

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027940.D
 Acq On : 05 Nov 2018 08:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:06:39 PM

Quant Time: Nov 06 03:34:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	178486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302438	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	139942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123435	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	4.88	113	90659	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	7.57	98	357664	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	10.31	95	134208	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	94749	41.777	ug/l 98
3) Chloromethane	1.33	50	117220	42.736	ug/l 100
4) Vinyl Chloride	1.41	62	117458	43.145	ug/l 98
5) Bromomethane	1.62	94	52597	47.366	ug/l 98
6) Chloroethane	1.69	64	71420	45.524	ug/l 98
7) Trichlorofluoromethane	1.89	101	146569	46.591	ug/l 97
8) Diethyl Ether	2.11	74	63121	46.861	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	91171	48.786	ug/l 99
10) Methyl Iodide	2.41	142	74140	44.253	ug/l 97
11) Tert butyl alcohol	2.82	59	151054	215.021	ug/l 100
12) 1,1-Dichloroethene	2.29	96	82913	44.324	ug/l 98
13) Acrolein	2.20	56	44944	171.799	ug/l 99
14) Allyl chloride	2.59	41	209308	45.781	ug/l 96
15) Acrylonitrile	2.94	53	398091	230.691	ug/l 100
16) Acetone	2.32	43	423120	256.994	ug/l 100
17) Carbon Disulfide	2.48	76	277479	45.382	ug/l 99
18) Methyl Acetate	2.61	43	197325	43.569	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	355311	47.100	ug/l 99
20) Methylene Chloride	2.70	84	109614	45.599	ug/l 99
21) trans-1,2-Dichloroethene	2.98	96	97316	45.079	ug/l 95
22) Diisopropyl ether	3.57	45	444742	47.118	ug/l 99
23) Vinyl Acetate	3.52	43	1957525	241.312	ug/l 100
24) 1,1-Dichloroethane	3.45	63	215571	45.852	ug/l 100
25) 2-Butanone	4.26	43	621545	237.295	ug/l 98
26) 2,2-Dichloropropane	4.23	77	177809	50.396	ug/l 99
27) cis-1,2-Dichloroethene	4.23	96	116888	48.284	ug/l 99
28) Bromochloromethane	4.55	49	107480	48.764	ug/l 100
29) Tetrahydrofuran	4.64	42	383803	219.440	ug/l 99
30) Chloroform	4.67	83	198206	45.979	ug/l 97
31) Cyclohexane	5.00	56	215465	46.586	ug/l 99
32) 1,1,1-Trichloroethane	4.92	97	167078	48.690	ug/l 99
36) 1,1-Dichloropropene	5.14	75	154567	48.797	ug/l 98
37) Ethyl Acetate	4.38	43	212294	45.742	ug/l 99
38) Carbon Tetrachloride	5.14	117	139491	49.692	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	192228	50.316	ug/l	98
40) Benzene	5.39	78	464378	47.951	ug/l	99
41) Methacrylonitrile	4.54	41	123286	49.776	ug/l	99
42) 1,2-Dichloroethane	5.40	62	162734	47.274	ug/l	99
43) Isopropyl Acetate	5.55	43	343313	47.215	ug/l	99
44) Trichloroethene	6.19	130	103549	49.743	ug/l	99
45) 1,2-Dichloropropane	6.43	63	134362	48.108	ug/l	98
46) Dibromomethane	6.56	93	79451	49.490	ug/l	98
47) Bromodichloromethane	6.76	83	157839	51.018	ug/l	99
48) Methyl methacrylate	6.62	41	172859	48.512	ug/l	99
49) 1,4-Dioxane	6.61	88	54896	944.292	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1132997	233.318	ug/l	100
52) Toluene	7.64	92	275146	48.327	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	190483	49.657	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	201658	52.875	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	113147	48.848	ug/l	98
56) Ethyl methacrylate	8.02	69	203665	49.859	ug/l	98
57) 1,3-Dichloropropane	8.24	76	203960	48.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	564150	257.871	ug/l	100
59) 2-Hexanone	8.36	43	895862	238.528	ug/l	99
60) Dibromochloromethane	8.48	129	114116	52.063	ug/l	99
61) 1,2-Dibromoethane	8.59	107	120923	49.131	ug/l	98
64) Tetrachloroethene	8.23	164	87590	47.715	ug/l	98
65) Chlorobenzene	9.12	112	291715	48.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	103917	50.867	ug/l	99
67) Ethyl Benzene	9.25	91	541449	49.181	ug/l	99
68) m/p-Xylenes	9.38	106	398634	99.793	ug/l	100
69) o-Xylene	9.78	106	196748	48.776	ug/l	100
70) Styrene	9.79	104	325118	50.444	ug/l	99
71) Bromoform	9.96	173	90374	52.785	ug/l #	99
73) Isopropylbenzene	10.17	105	527068	48.617	ug/l	100
74) N-amyl acetate	10.01	43	322102	49.135	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	204056	46.663	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	174698m	45.639	ug/l	
77) Bromobenzene	10.45	156	123403	49.641	ug/l	99
78) n-propylbenzene	10.59	91	650757	50.148	ug/l	100
79) 2-Chlorotoluene	10.66	91	376983	48.466	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	445547	49.612	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	72550m	47.337	ug/l	
82) 4-Chlorotoluene	10.77	91	432835	49.016	ug/l	100
83) tert-Butylbenzene	11.10	119	431808	48.096	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	454423	50.250	ug/l	100
85) sec-Butylbenzene	11.32	105	546076	50.012	ug/l	100
86) p-Isopropyltoluene	11.48	119	467326	51.198	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	227140	49.463	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	230975	49.073	ug/l	100
89) n-Butylbenzene	11.89	91	462180	53.278	ug/l	100
90) Hexachloroethane	12.14	117	85406	52.554	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	230284	49.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46584	50.555	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	158816	49.050	ug/l	99
94) Hexachlorobutadiene	13.69	225	78398	53.415	ug/l	99
95) Naphthalene	13.74	128	541204	47.137	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	163959	52.910	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

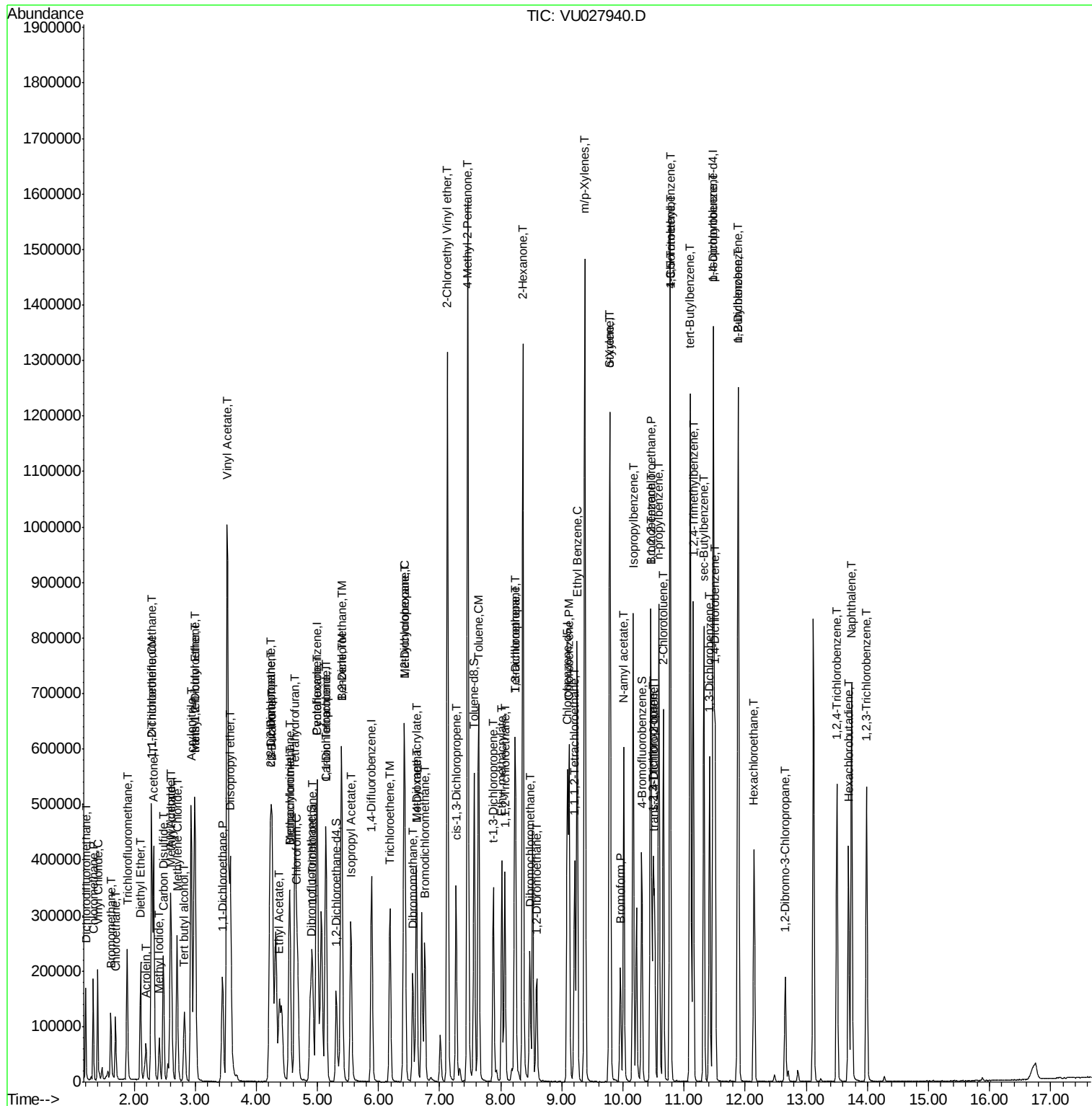
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\
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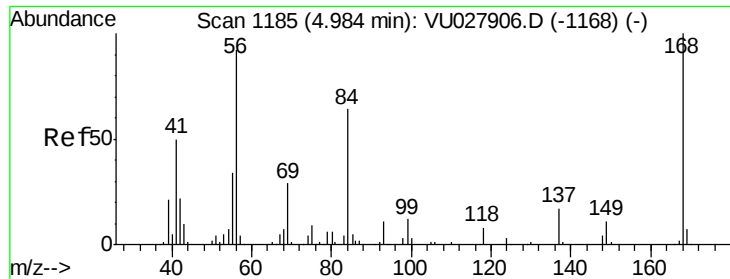
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 178486

Ion Ratio Lower Upper

168 100

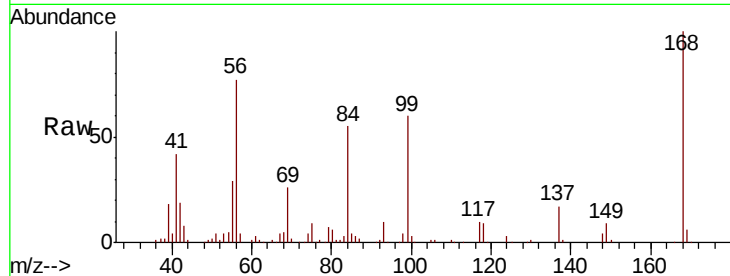
99 60.1 47.9 71.9

Manual Integrations

APPROVED

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11/6/2018 12:06:39 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

80000

60000

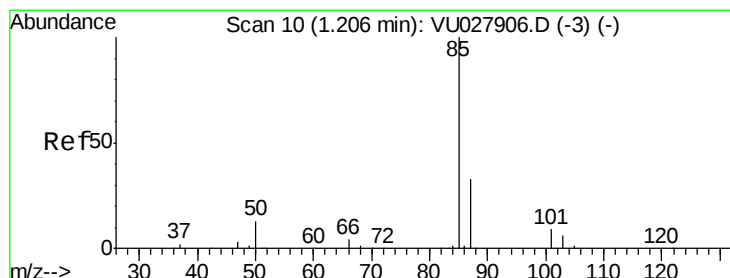
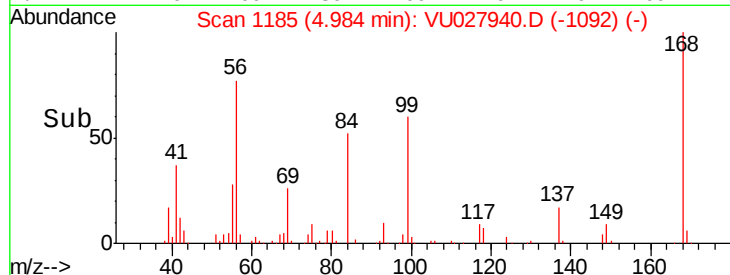
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.777 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027940.D

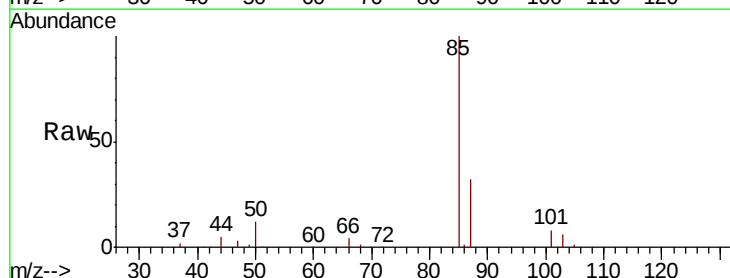
Acq: 05 Nov 2018 08:20

Tgt Ion: 85 Resp: 94749

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

100000

80000

60000

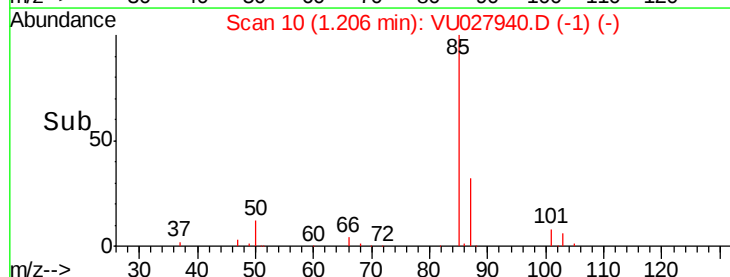
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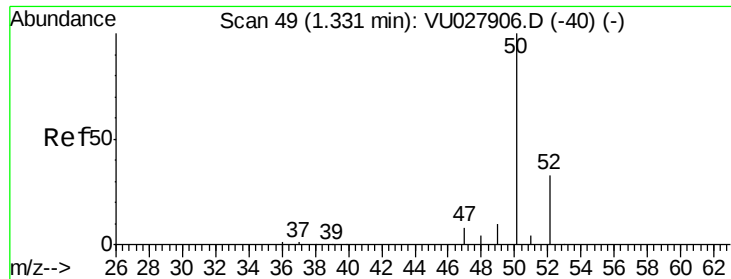
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.736 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 117220

Ion Ratio Lower Upper

50 100

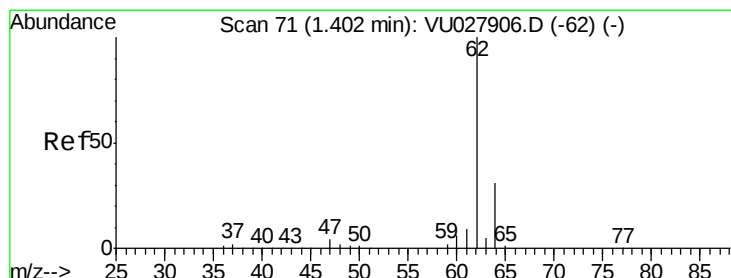
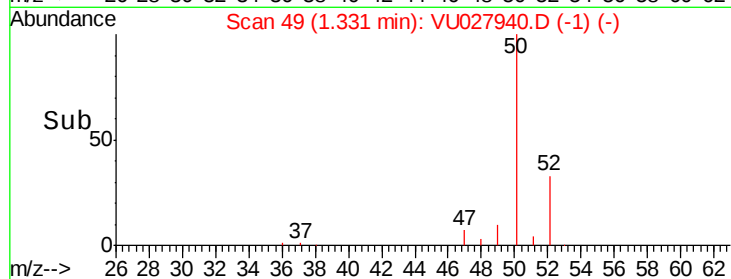
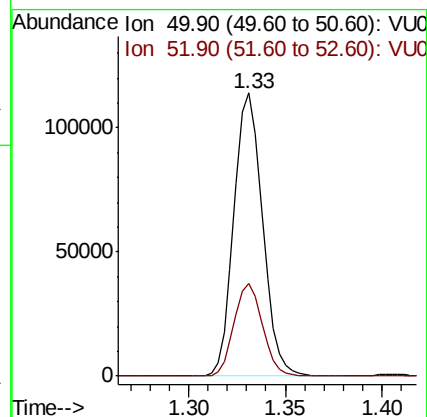
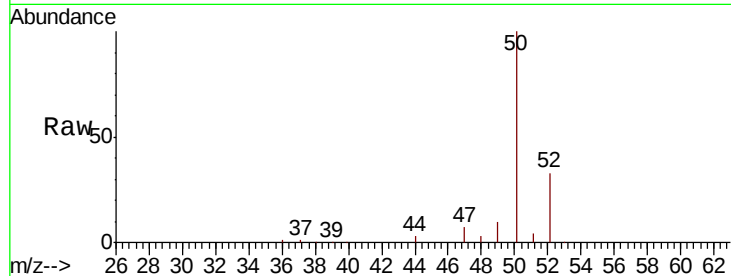
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.145 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027940.D

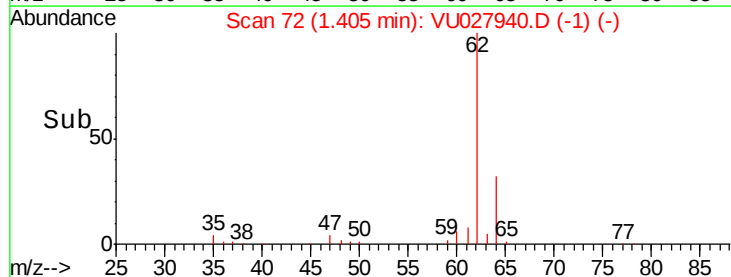
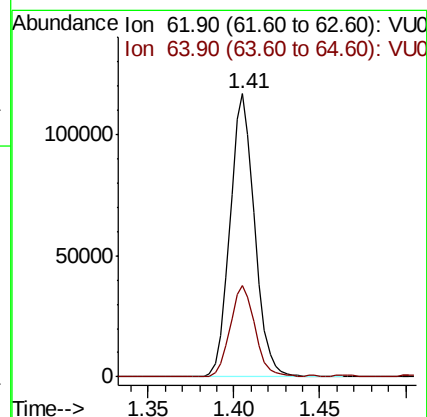
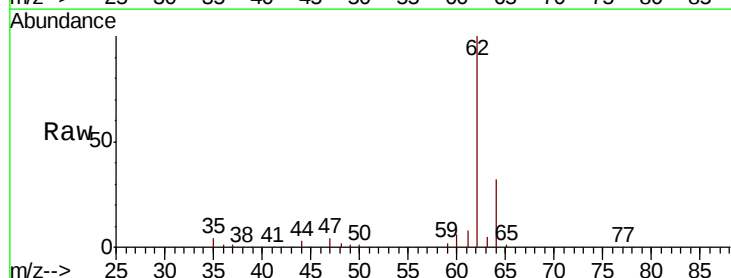
Acq: 05 Nov 2018 08:20

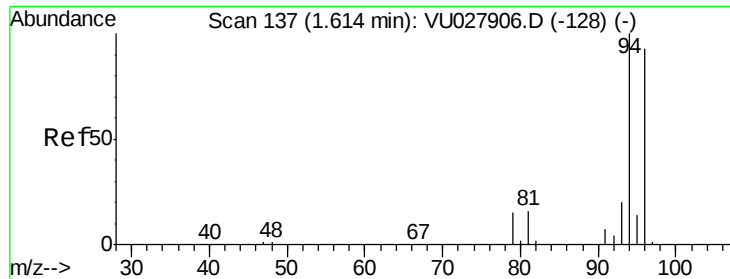
Tgt Ion: 62 Resp: 117458

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 47.366 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52597

Ion Ratio Lower Upper

94 100

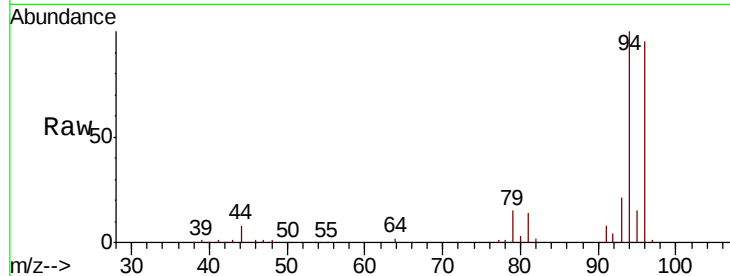
96 95.4 74.8 112.2

Manual Integrations

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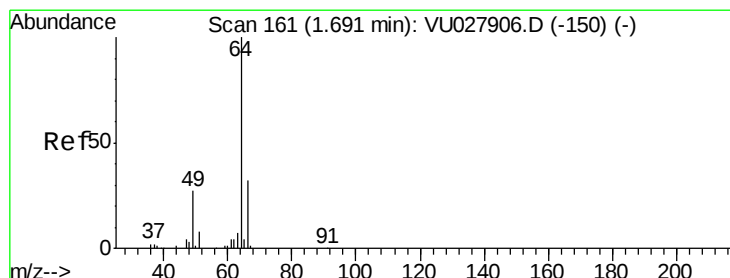
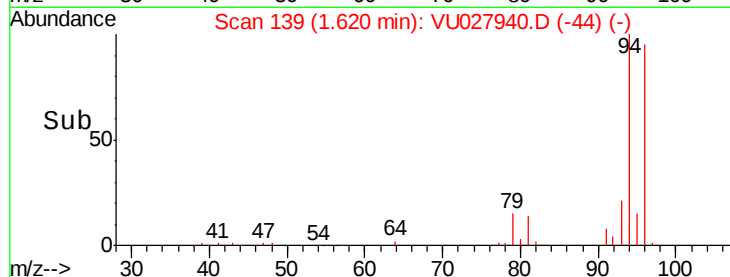
Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.524 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027940.D

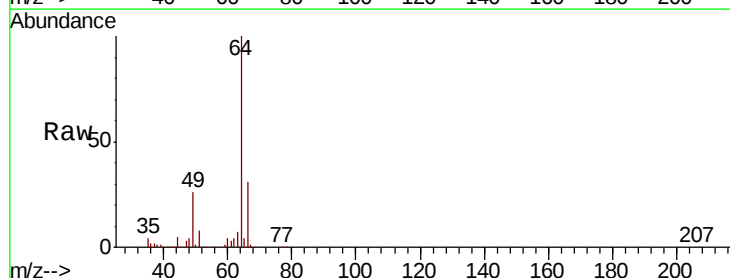
Acq: 05 Nov 2018 08:20

Tgt Ion: 64 Resp: 71420

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9



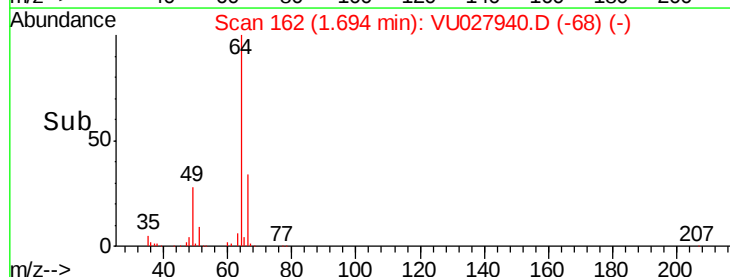
Abundance Ion 63.90 (63.60 to 64.60): VU0

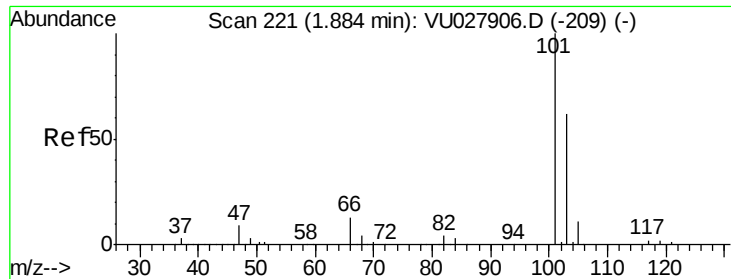
Ion 65.90 (65.60 to 66.60): VU0

1.69

Time-->

1.65 1.70 1.75





#7

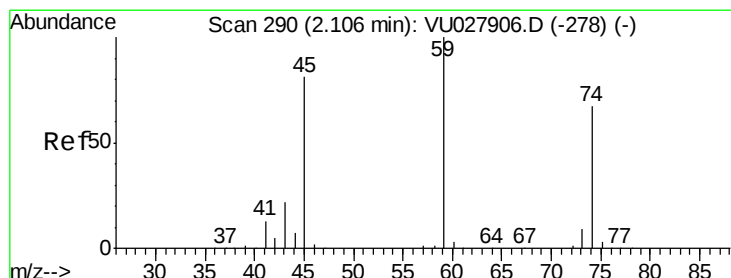
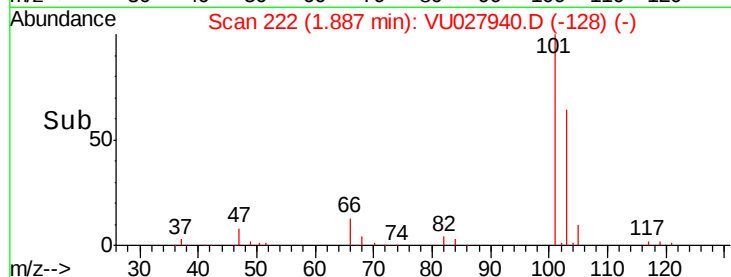
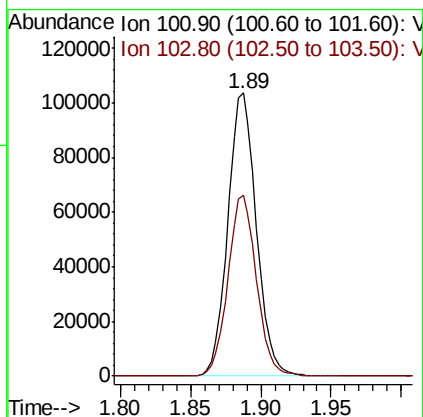
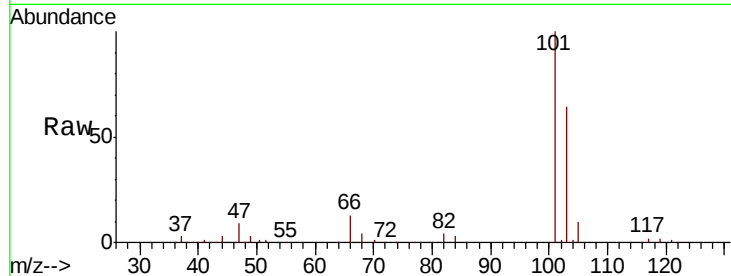
Trichlorofluoromethane
Concen: 46.591 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

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Tot Ion:101 Resp: 146569
Ion Ratio Lower Upper
101 100
103 63.8 49.4 74.2

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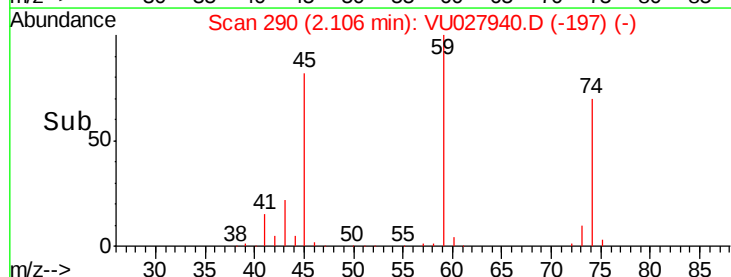
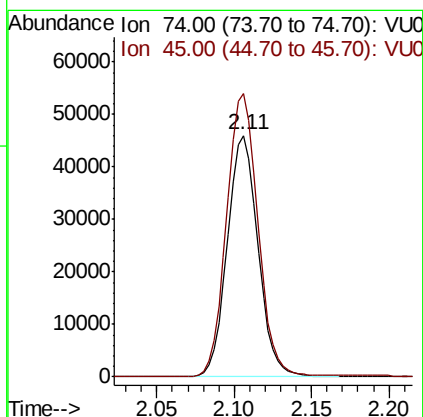
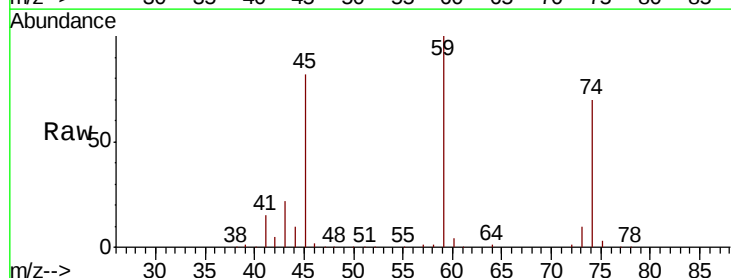
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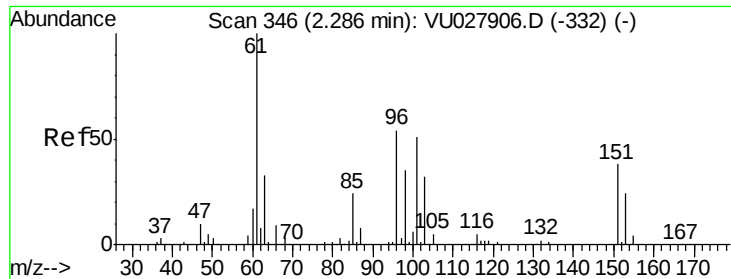


#8

Diethyl Ether
Concen: 46.861 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion: 74 Resp: 63121
Ion Ratio Lower Upper
74 100
45 120.4 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.786 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

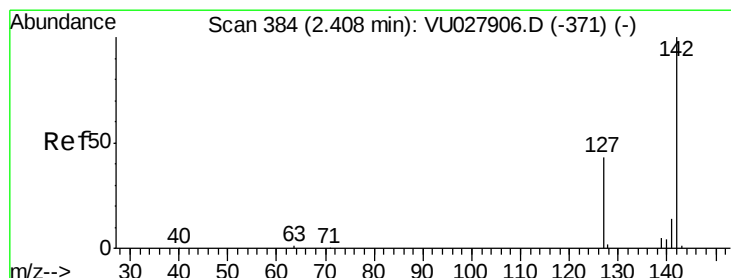
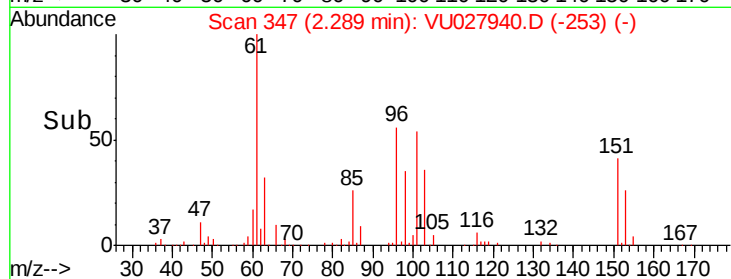
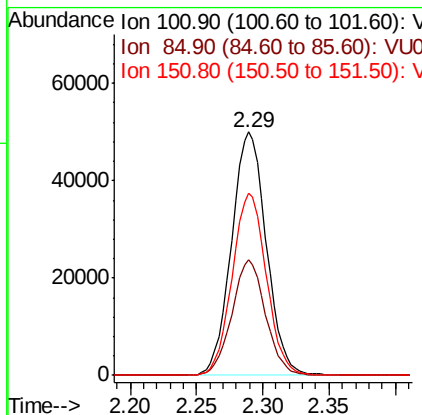
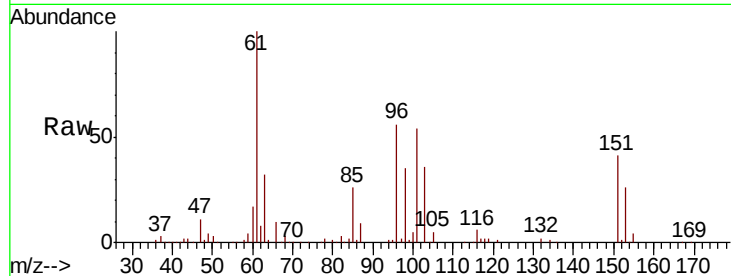
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91171
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.9	55.3
151	73.3	58.0	87.0

Manual Integrations
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11/6/2018 12:06:39 PM



#10

Methyl Iodide

Concen: 44.253 ug/l

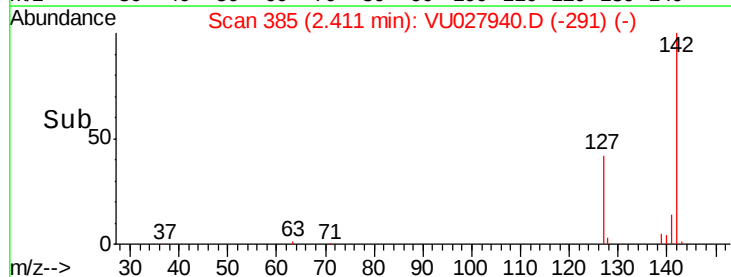
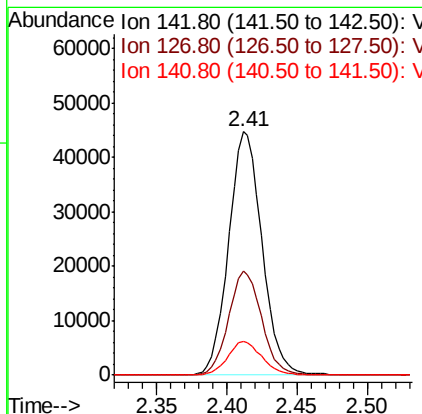
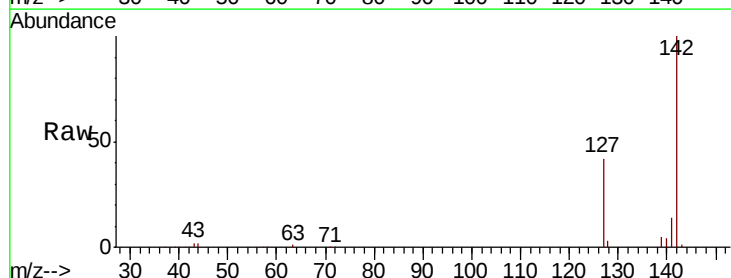
RT: 2.41 min Scan# 385

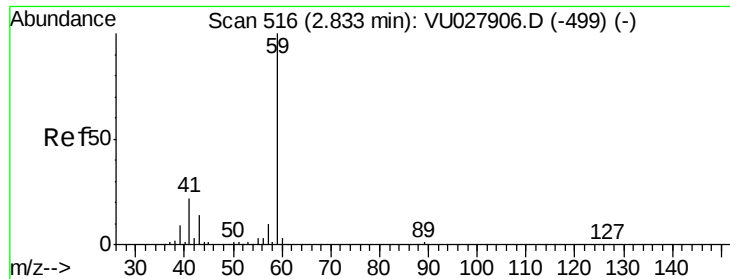
Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	142	Resp:	74140
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.2	52.8
141	14.0	11.8	17.8





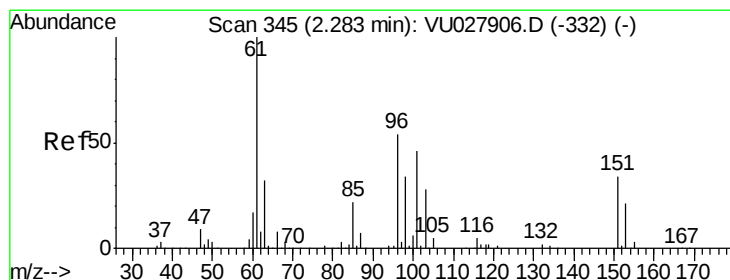
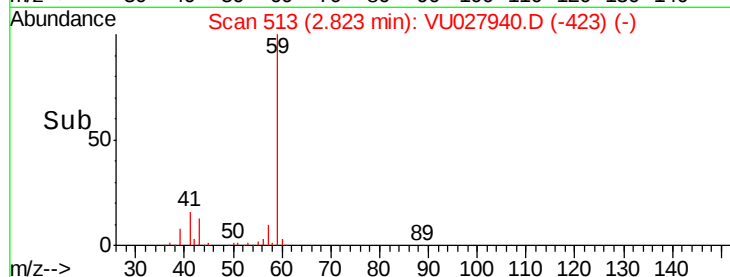
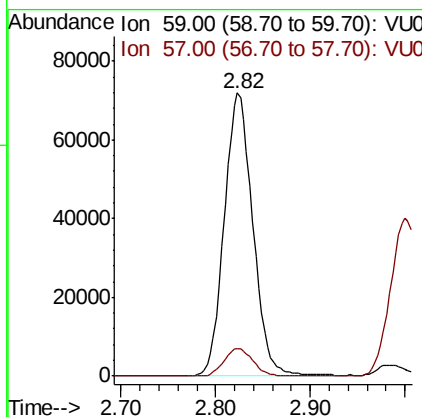
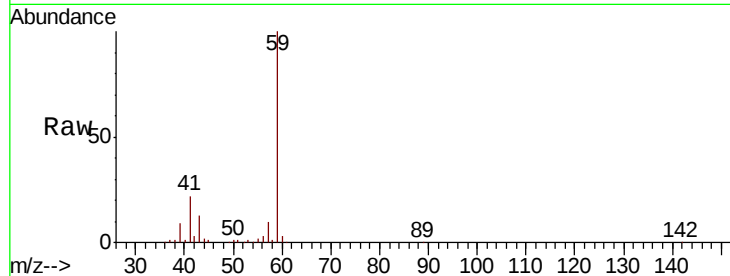
#11
Tert butyl alcohol
Concen: 215.021 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

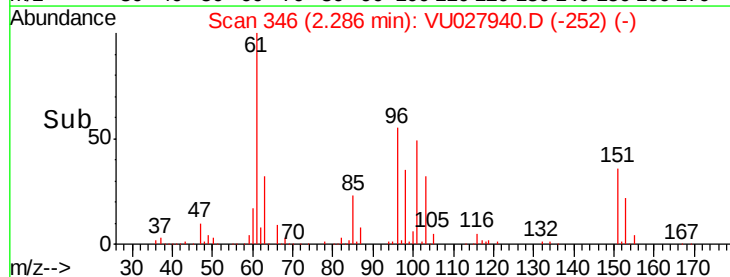
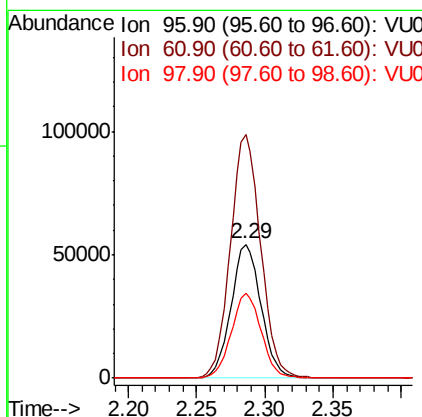
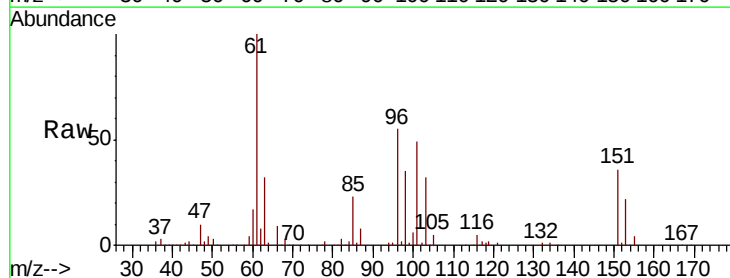
Manual Integrations
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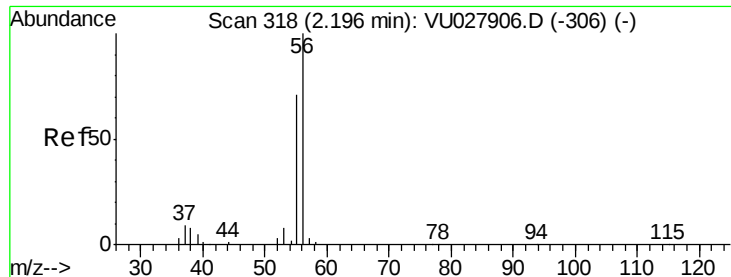
MMDadoda
11/6/2018 12:06:39 PM



#12
1,1-Dichloroethene
Concen: 44.324 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.0	149.3	223.9
98	63.1	50.6	75.8





#13

Acrolein

Concen: 171.799 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44944

Ion Ratio Lower Upper

56 100

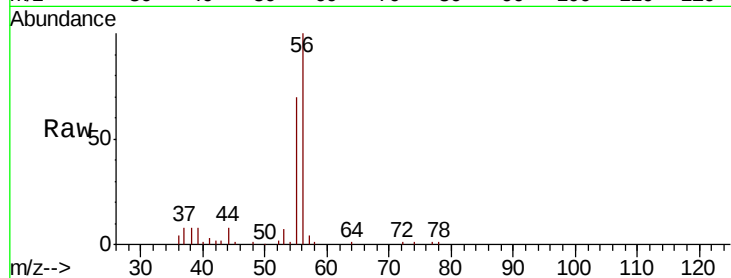
55 69.3 56.2 84.4

Manual Integrations

APPROVED

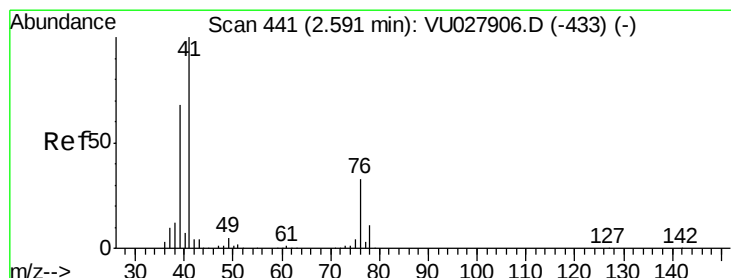
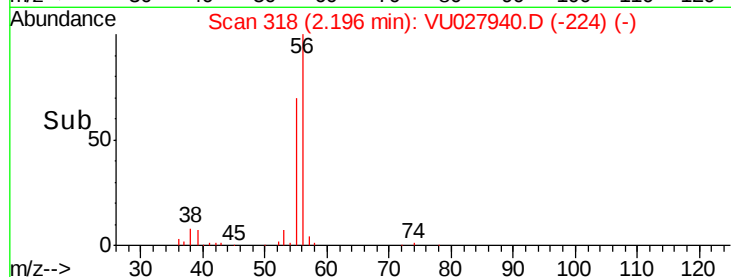
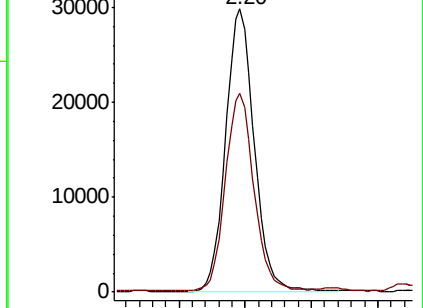
MMDadoda

11/6/2018 12:06:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VU027940.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027940.D (-224) (-)



#14

Allyl chloride

Concen: 45.781 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

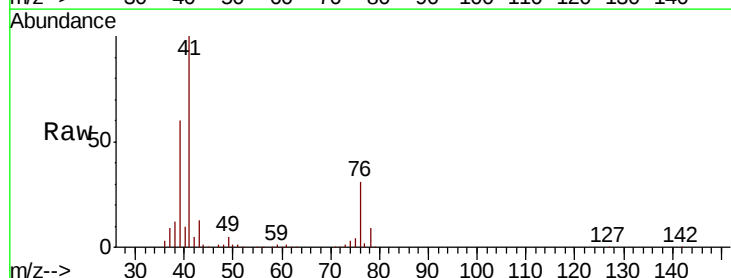
Tgt Ion: 41 Resp: 209308

Ion Ratio Lower Upper

41 100

39 60.4 51.9 77.9

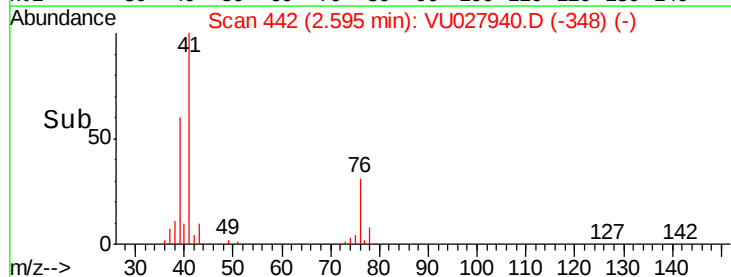
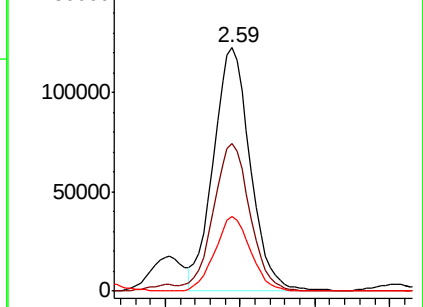
76 29.9 23.8 35.6

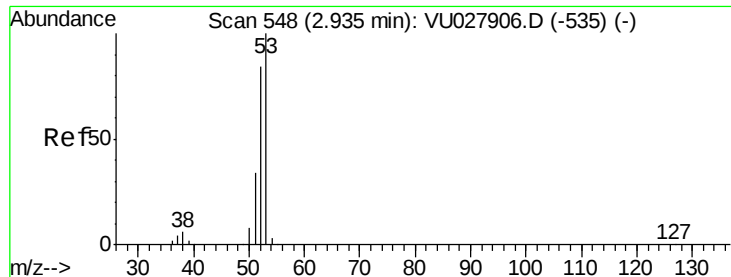


Abundance Ion 41.00 (40.70 to 41.70): VU027940.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU027940.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027940.D (-348) (-)





#15

Acrylonitrile

Concen: 230.691 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

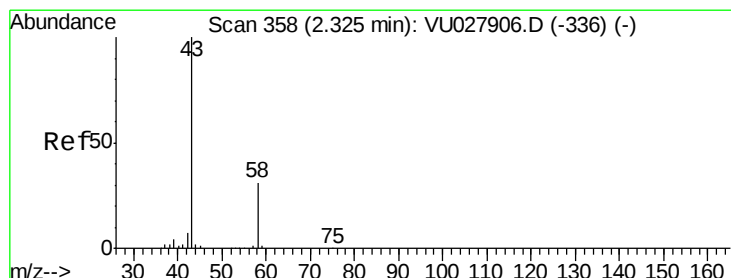
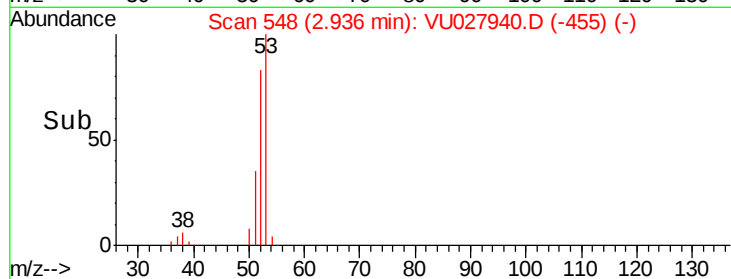
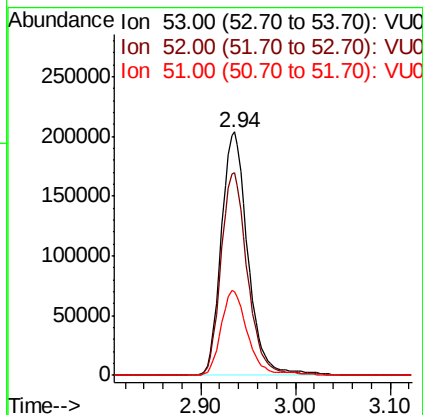
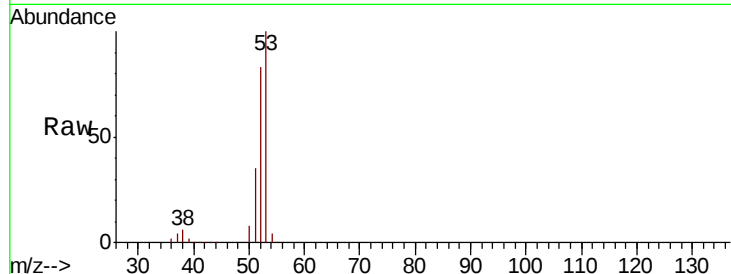
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	398091
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.2
51	34.1	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 256.994 ug/l

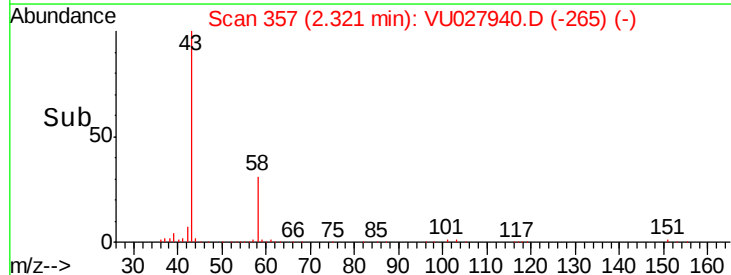
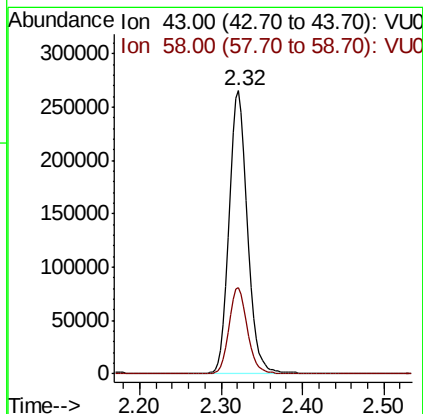
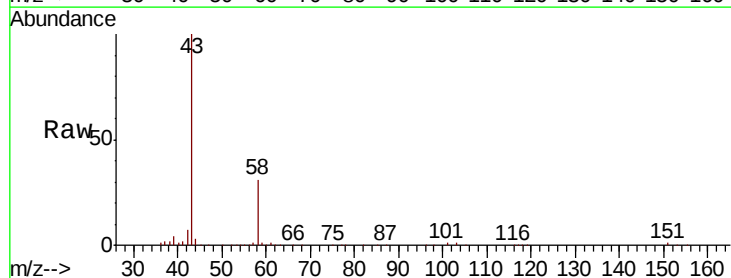
RT: 2.32 min Scan# 357

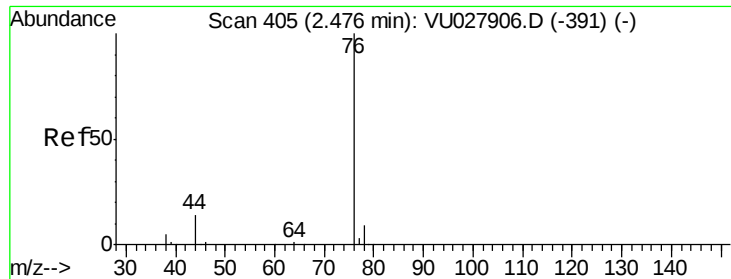
Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	43	Resp:	423120
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.6	37.0





#17

Carbon Disulfide

Concen: 45.382 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 277479

Ion Ratio Lower Upper

76 100

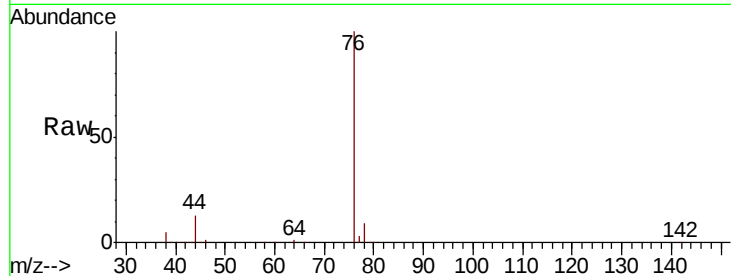
78 9.4 7.4 11.0

Manual Integrations

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11/6/2018 12:06:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027940.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027940.D (-312) (-)

200000

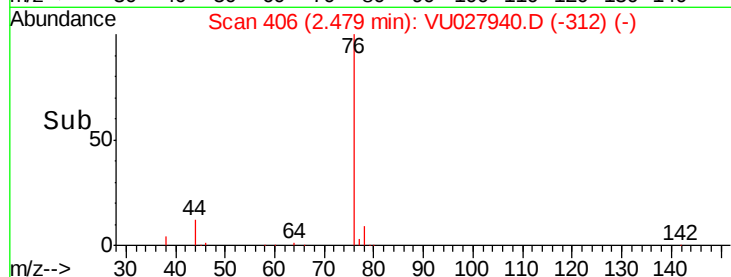
150000

100000

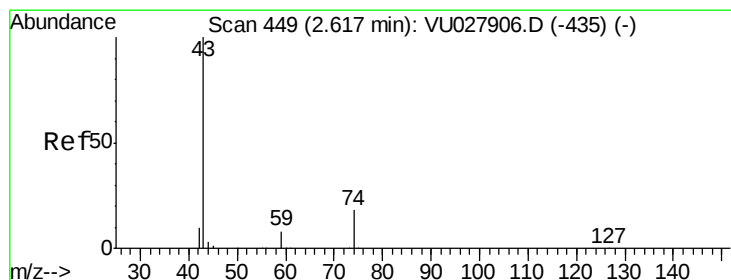
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 43.569 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027940.D

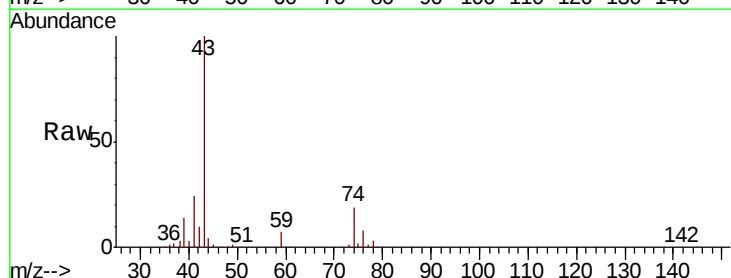
Acq: 05 Nov 2018 08:20

Tgt Ion: 43 Resp: 197325

Ion Ratio Lower Upper

43 100

74 19.3 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027940.D (-356) (-)

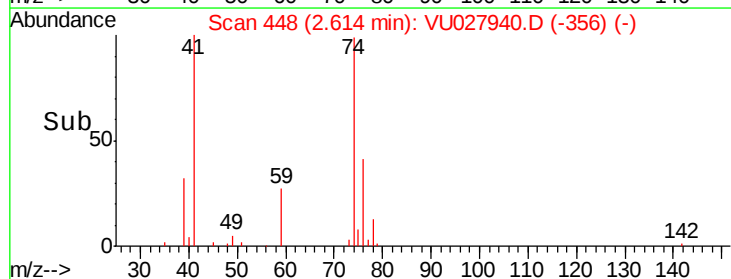
Ion 74.00 (73.70 to 74.70): VU027940.D (-356) (-)

100000

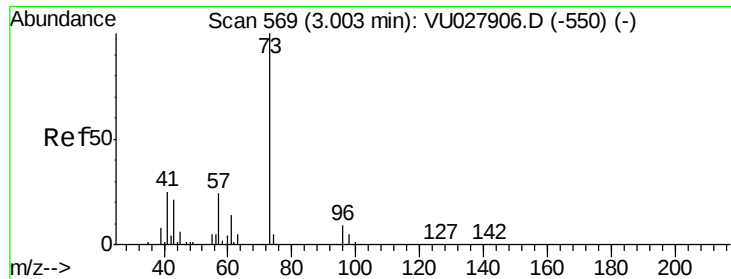
50000

0

Time-->



Time-->



#19

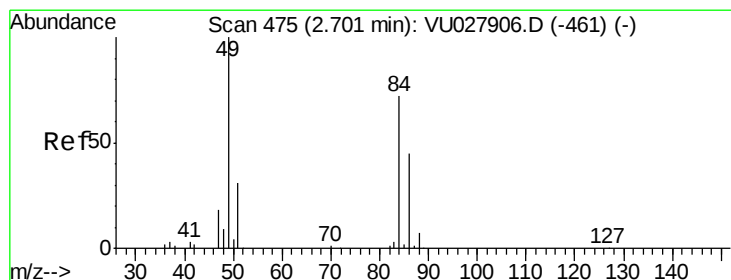
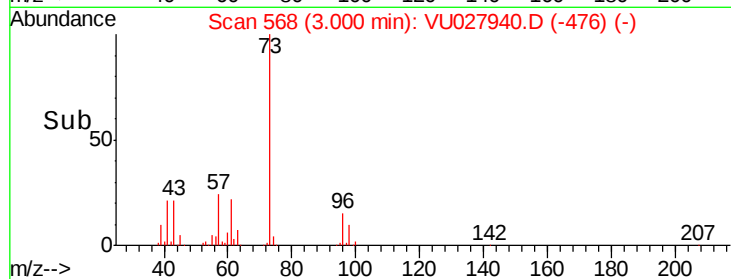
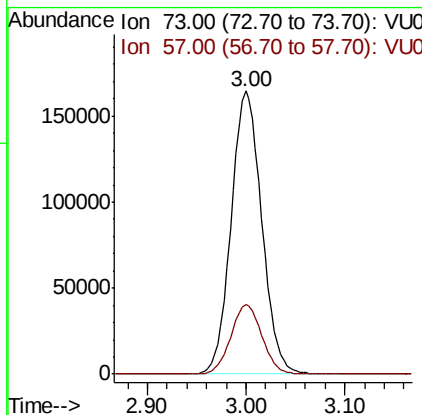
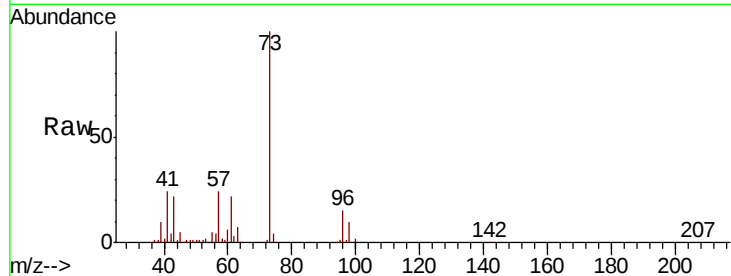
Methyl tert-butyl Ether
 Concen: 47.100 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.3	28.9

Manual Integrations
 APPROVED

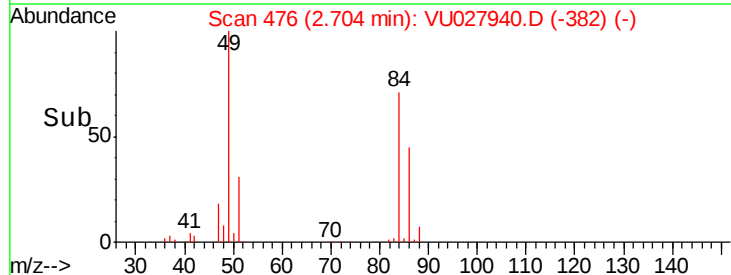
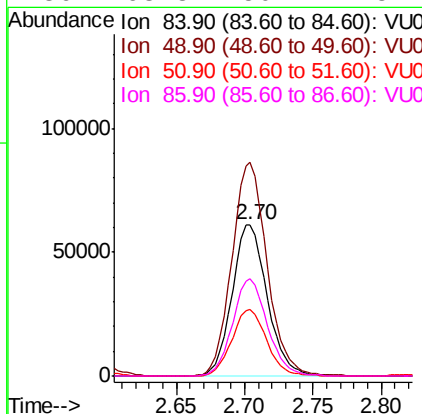
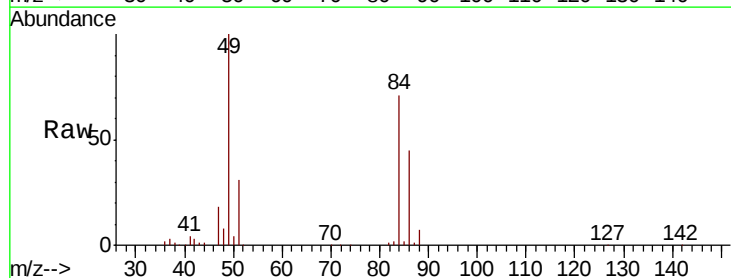
MMDadoda
 11/6/2018 12:06:39 PM

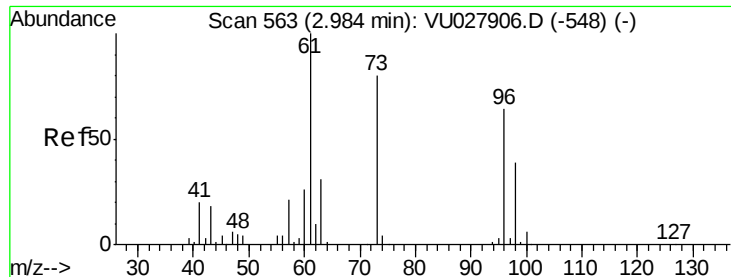


#20

Methylene Chloride
 Concen: 45.599 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.8	111.6	167.4
51	43.6	34.8	52.2
86	63.8	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 45.079 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 97316

Ion Ratio Lower Upper

96 100

61 160.9 125.0 187.6

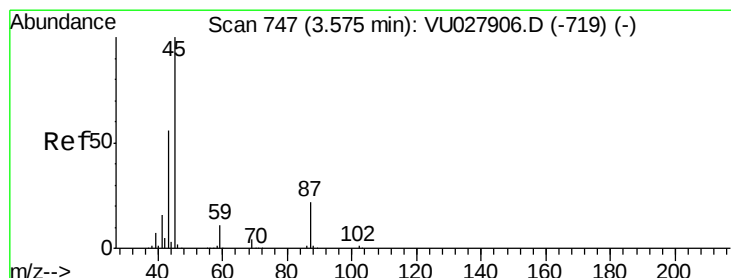
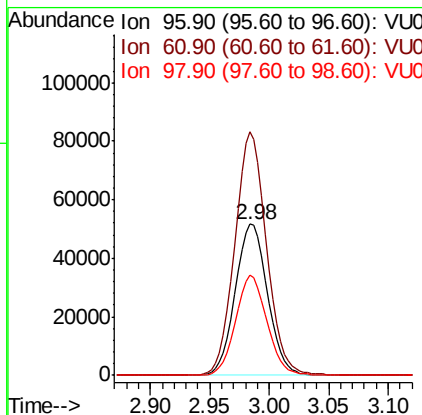
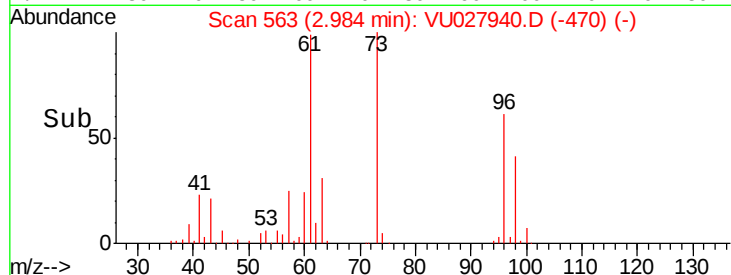
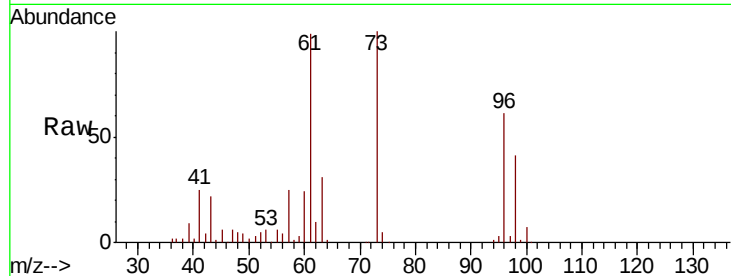
98 66.1 48.2 72.4

Manual Integrations

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11/6/2018 12:06:39 PM



#22

Diisopropyl ether

Concen: 47.118 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion: 45 Resp: 444742

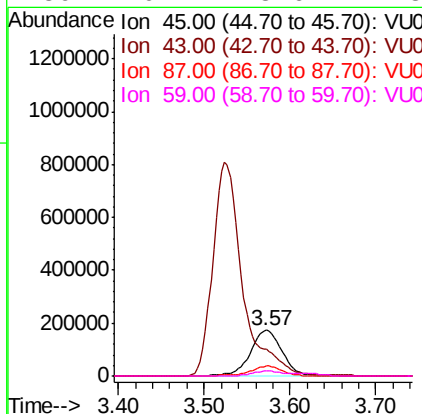
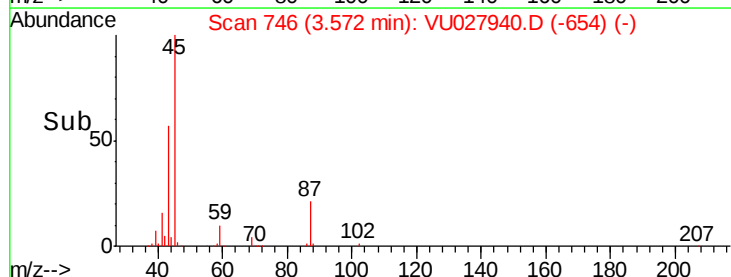
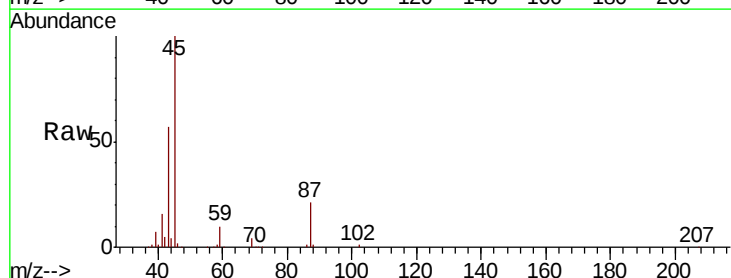
Ion Ratio Lower Upper

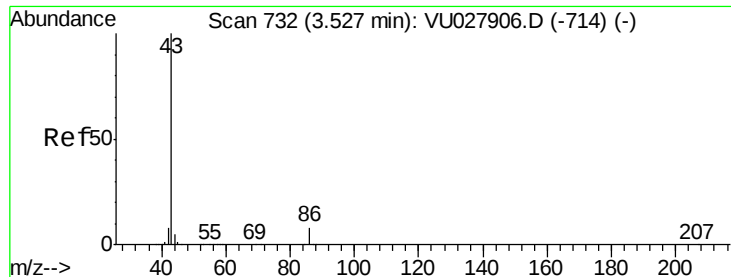
45 100

43 56.4 45.0 67.6

87 21.4 17.9 26.9

59 10.4 8.6 12.8





#23

Vinyl Acetate

Concen: 241.312 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1957525

Ion Ratio Lower Upper

43 100

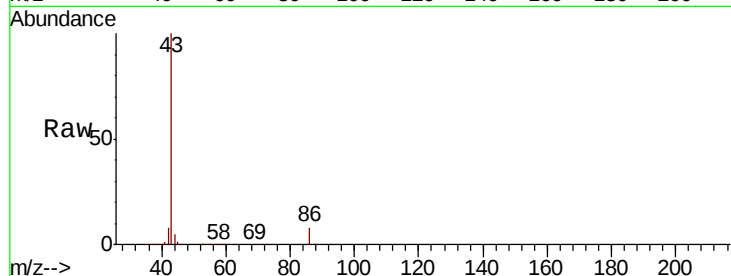
86 8.1 6.6 9.8

Manual Integrations

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11/6/2018 12:06:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027940.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027940.D (-639) (-)

3.52

800000

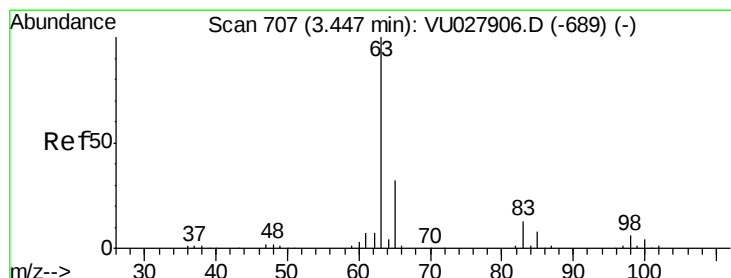
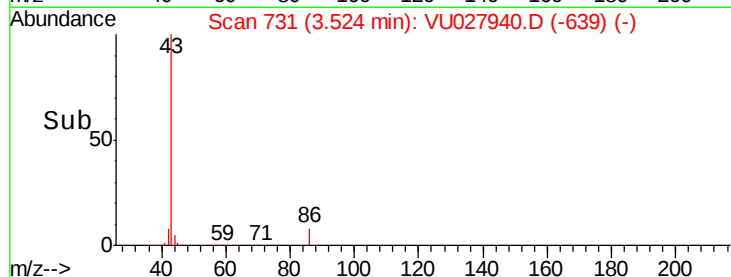
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.852 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

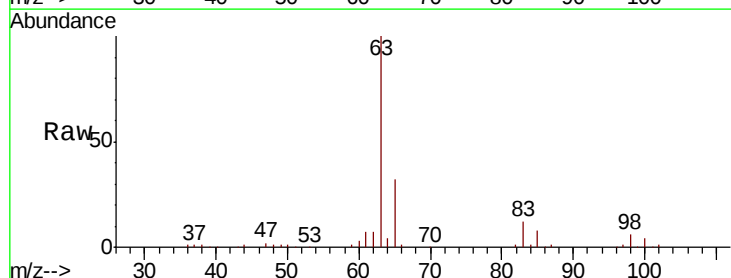
Tgt Ion: 63 Resp: 215571

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027940.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027940.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027940.D (-614) (-)

3.45

120000

100000

80000

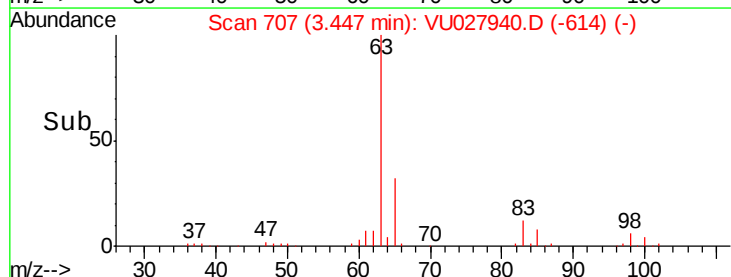
60000

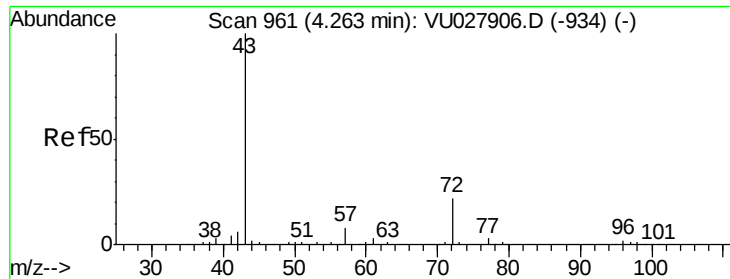
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.295 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621545

Ion Ratio Lower Upper

43 100

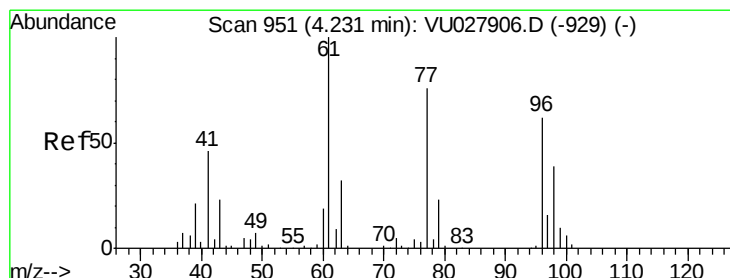
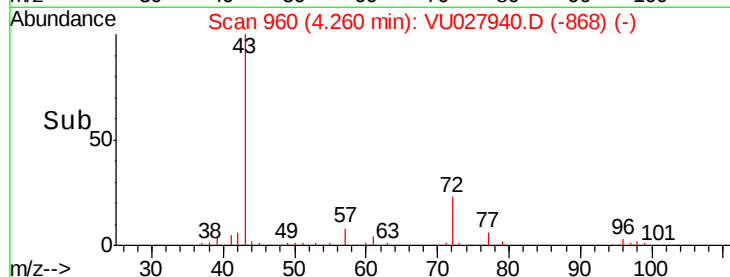
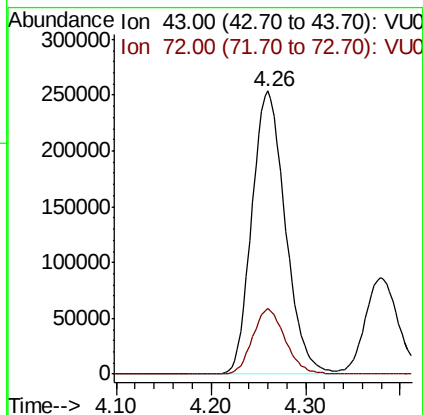
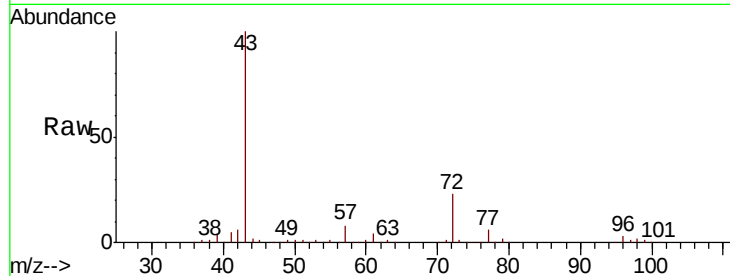
72 23.1 17.7 26.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.396 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027940.D

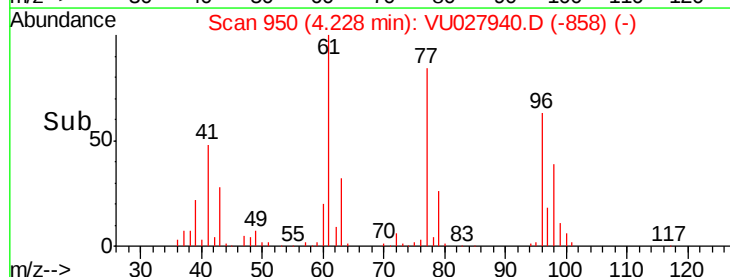
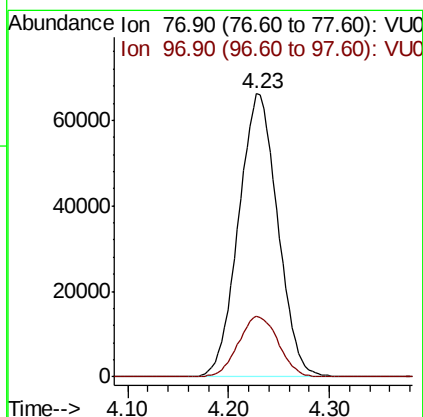
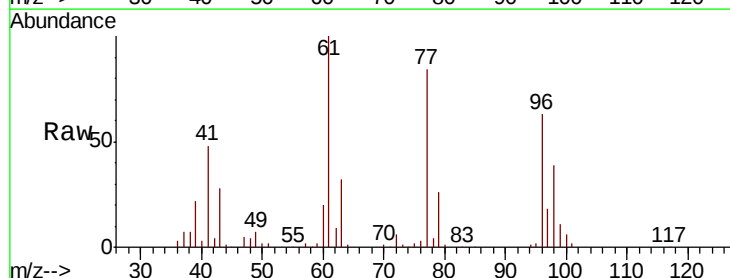
Acq: 05 Nov 2018 08:20

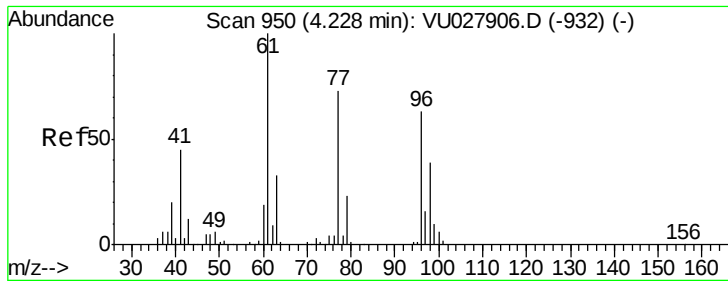
Tgt Ion: 77 Resp: 177809

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.5





#27

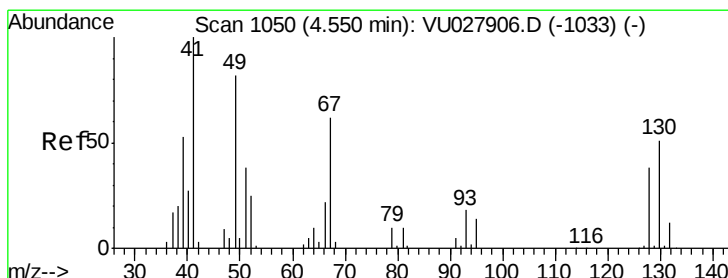
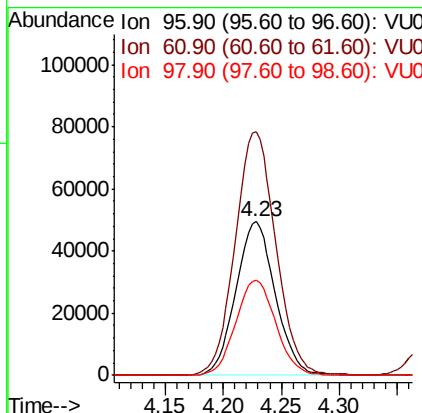
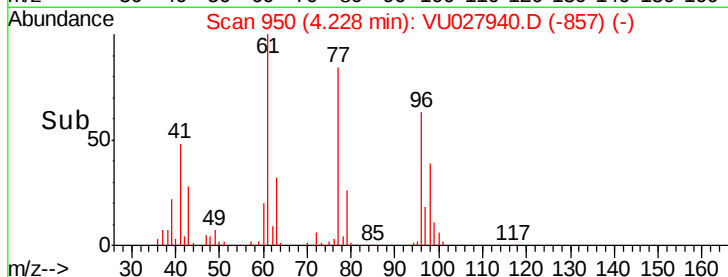
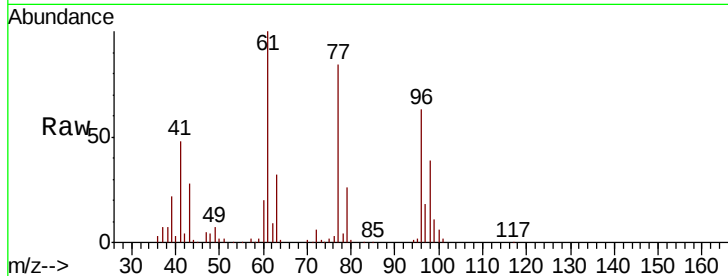
cis-1,2-Dichloroethene
Concen: 48.284 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	329.6
98	63.1	0.0	127.2

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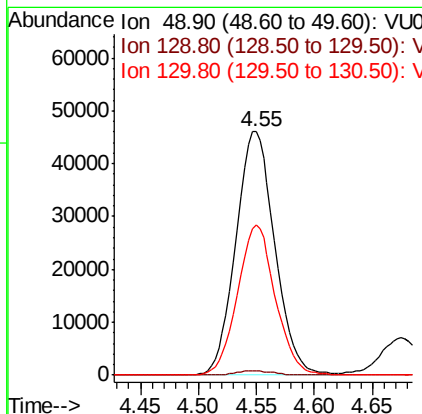
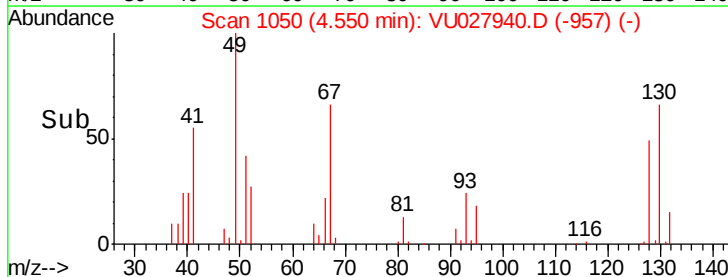
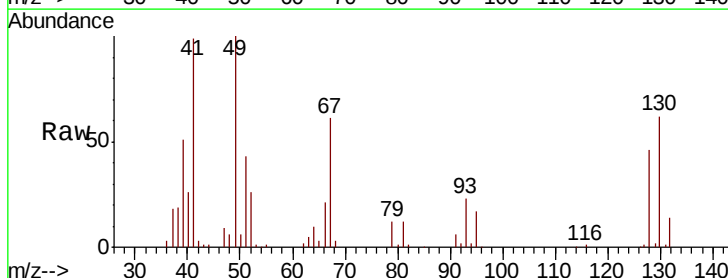
MMDadoda
11/6/2018 12:06:39 PM

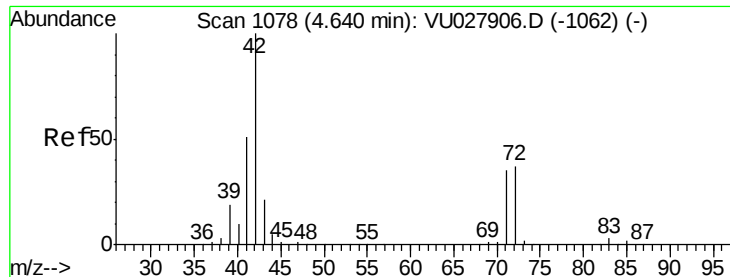


#28

Bromochloromethane
Concen: 48.764 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	59.7	47.8	71.6





#29

Tetrahydrofuran

Concen: 219.440 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

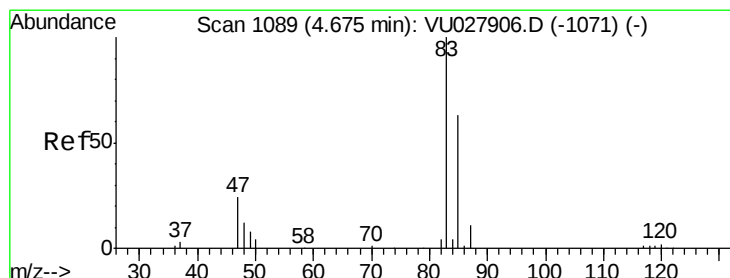
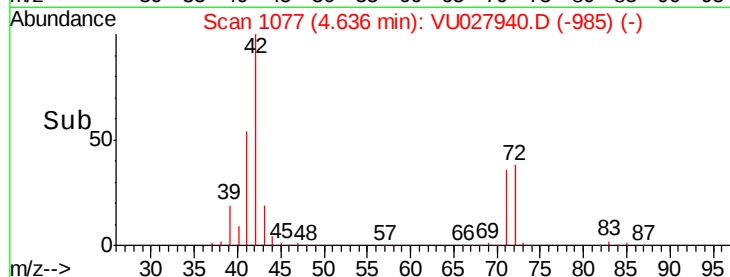
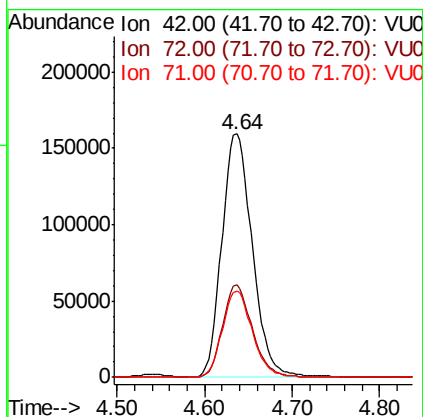
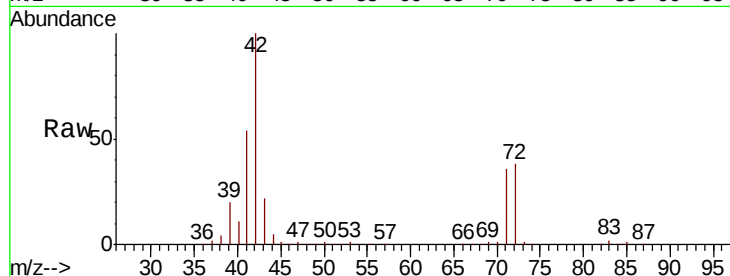
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	383803
Ion	Ratio	Lower	Upper
42	100		
72	37.2	29.4	44.0
71	35.3	27.9	41.9

Manual Integrations
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#30

Chloroform

Concen: 45.979 ug/l

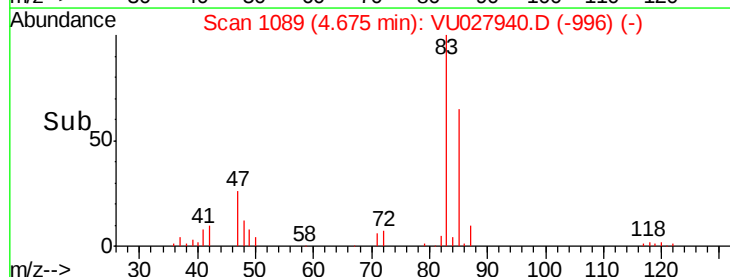
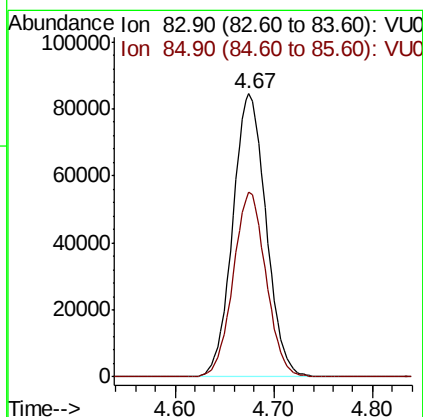
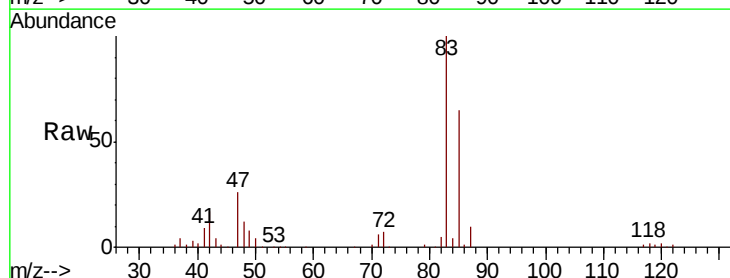
RT: 4.67 min Scan# 1089

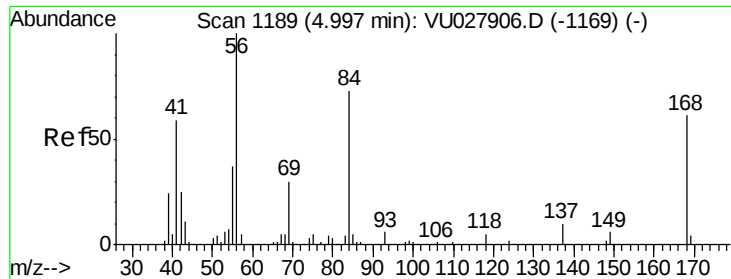
Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	83	Resp:	198206
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	76.0





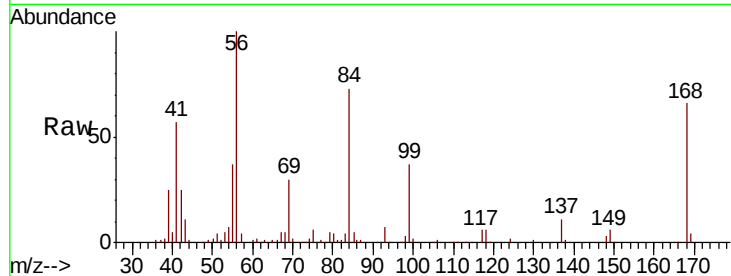
#31
Cyclohexane
Concen: 46.586 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	71.9	58.2	87.4

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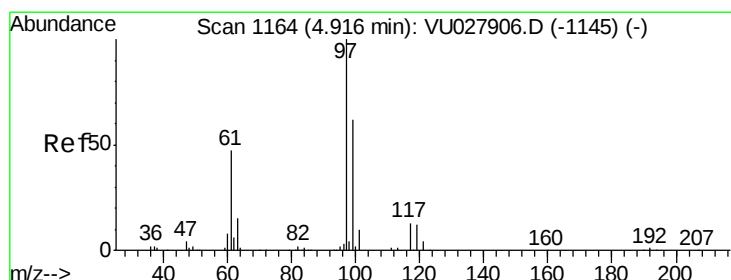
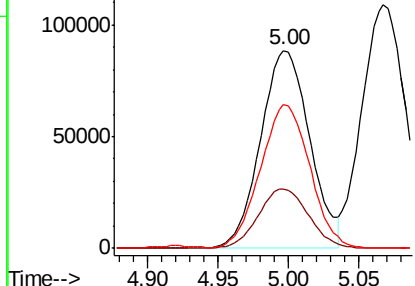
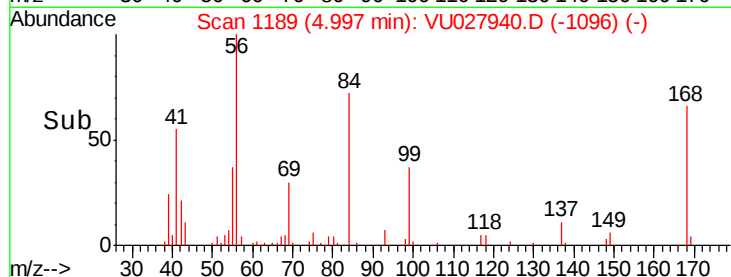


Abundance

Ion 56.00 (55.70 to 56.70): VU0

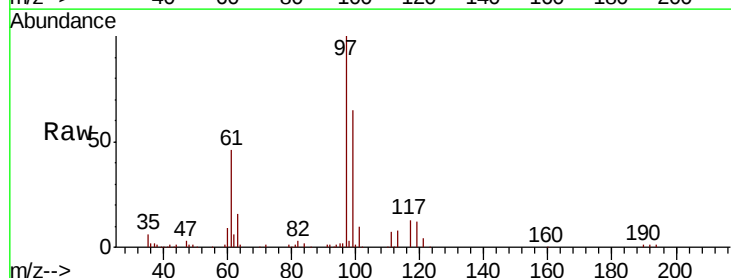
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 48.690 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	47.4	38.3	57.5

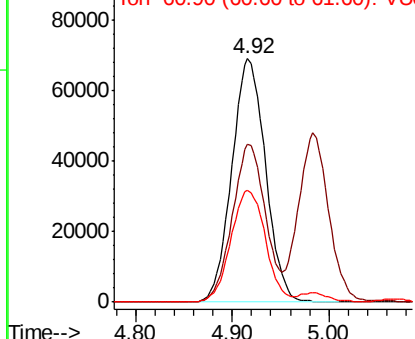
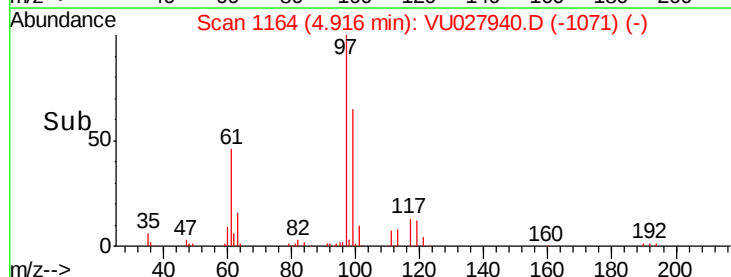


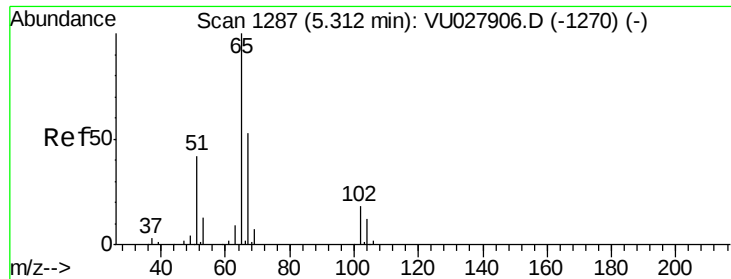
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





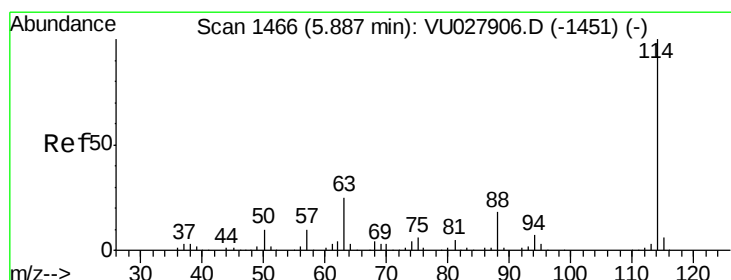
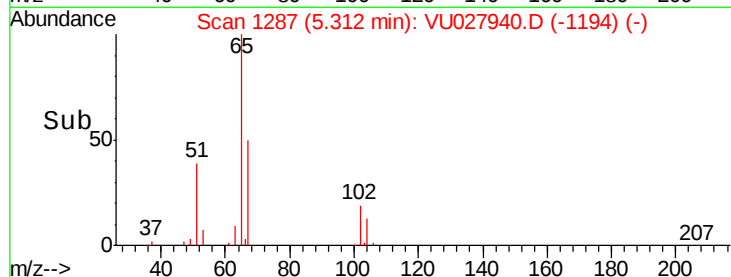
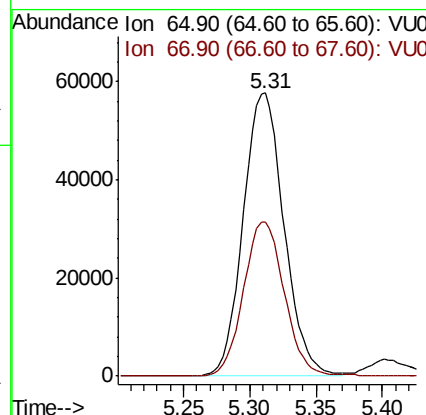
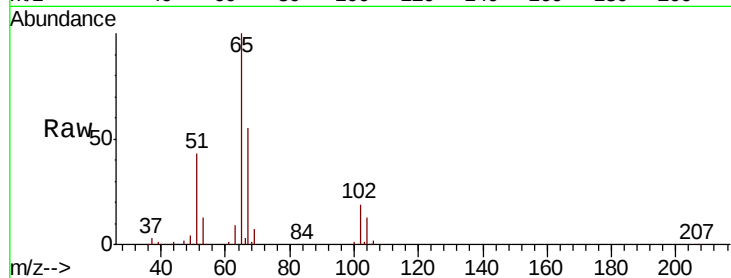
#33
 1,2-Dichloroethane-d4
 Concen: 46.515 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	109.0

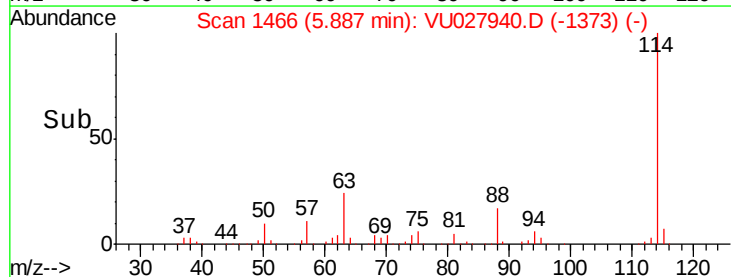
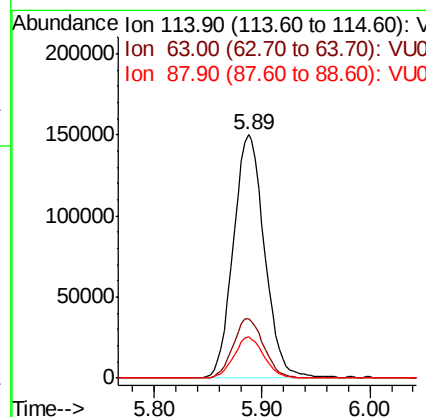
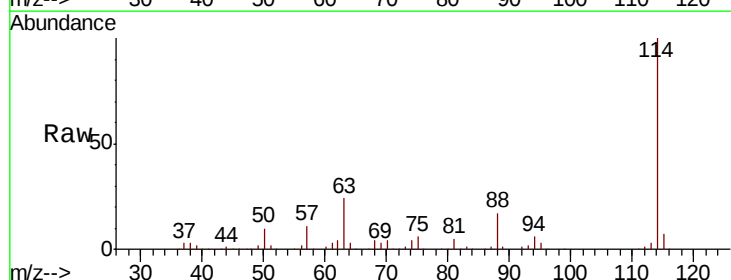
Manual Integrations
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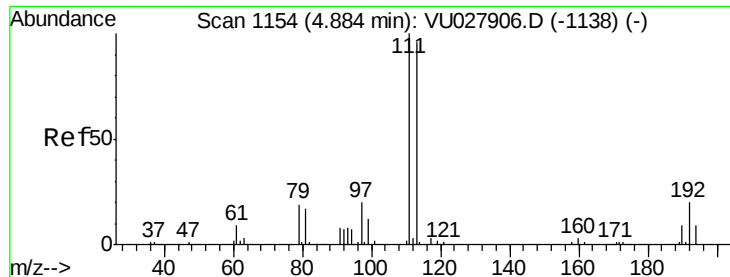
MMDadoda
 11/6/2018 12:06:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	50.8
88	16.8	0.0	35.8





#35

Dibromofluoromethane

Concen: 47.542 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

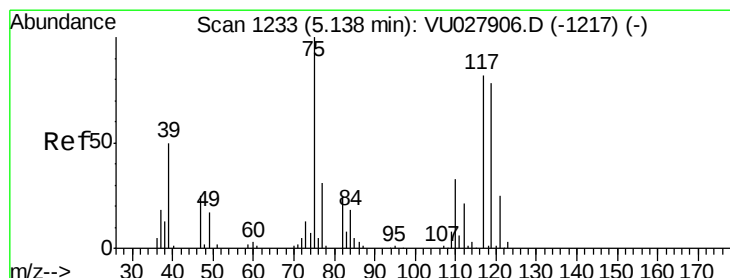
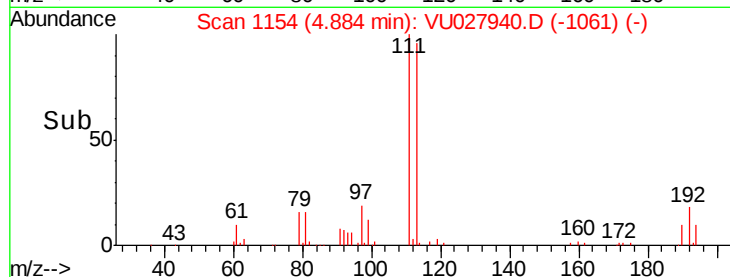
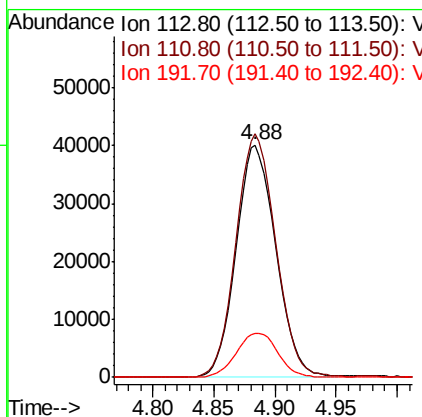
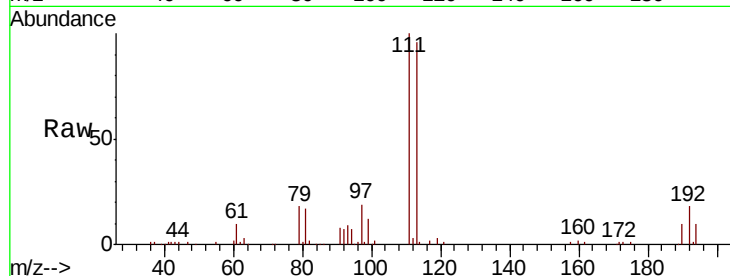
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	90659
Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.0	124.6
192	19.8	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.797 ug/l

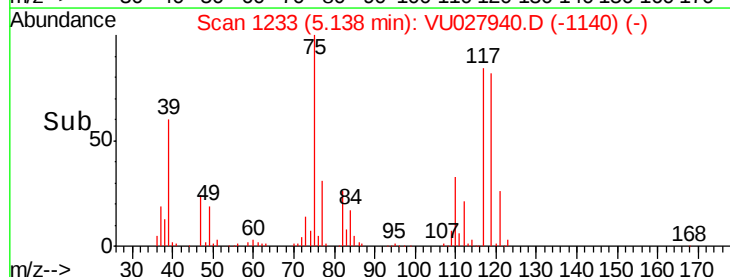
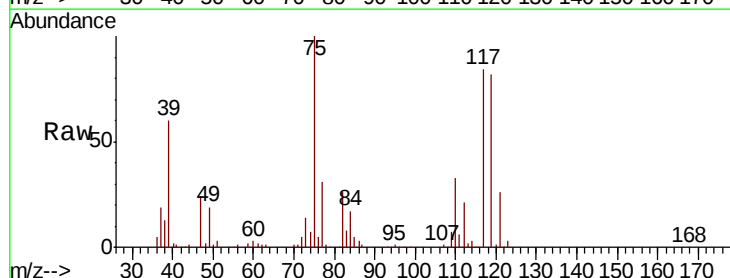
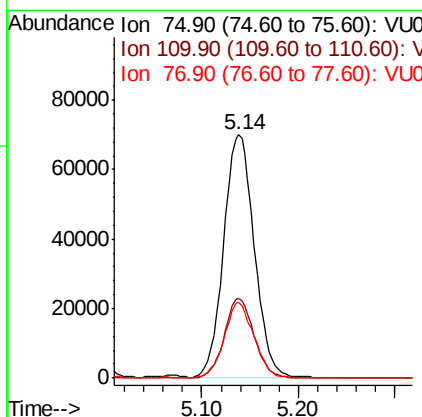
RT: 5.14 min Scan# 1233

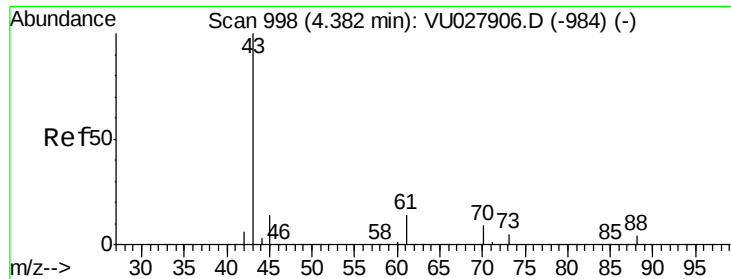
Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	75	Resp:	154567
Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.5	49.5
77	30.2	24.9	37.3





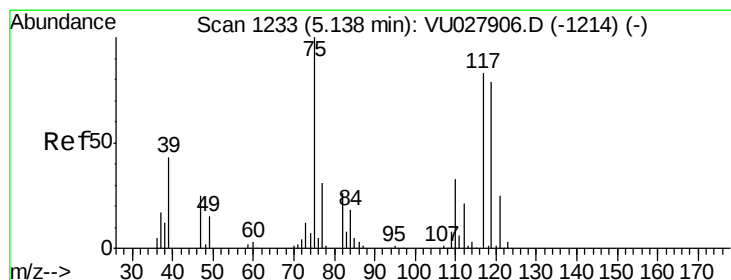
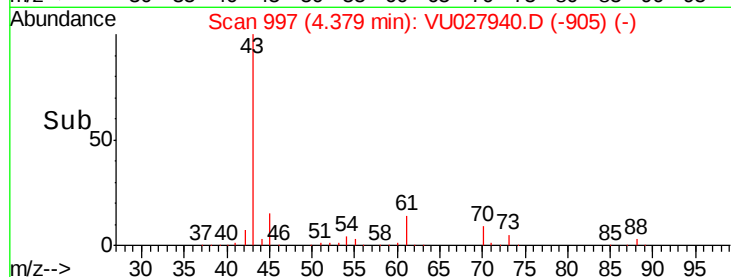
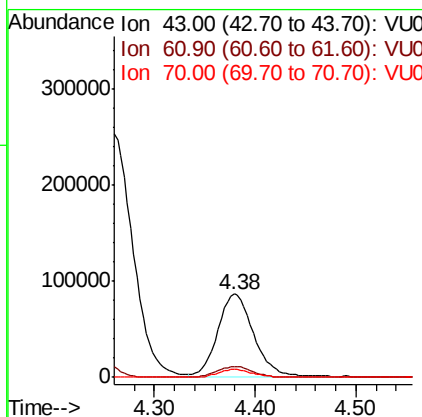
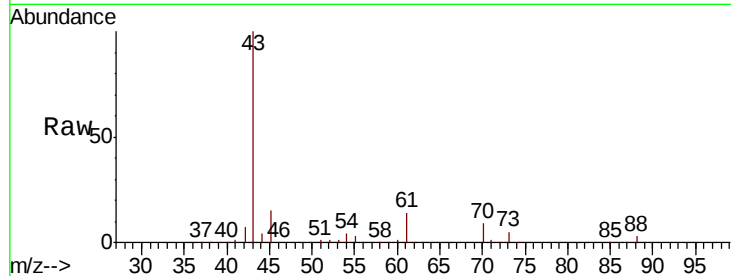
#37
Ethyl Acetate
Concen: 45.742 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.2	7.0	10.6

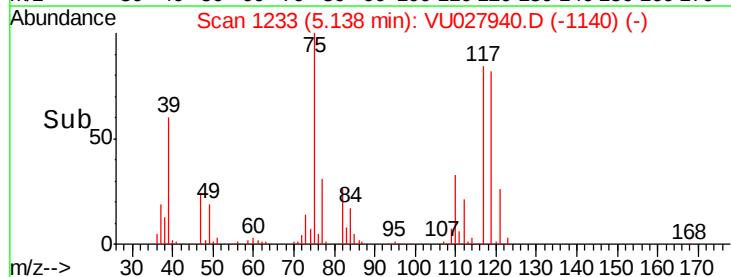
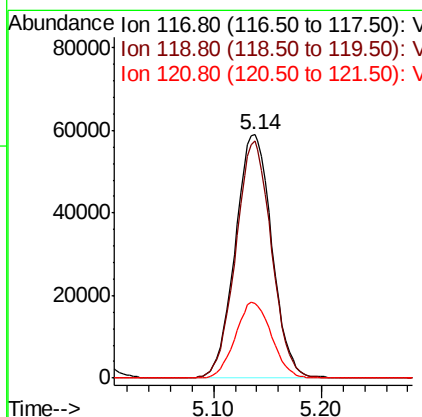
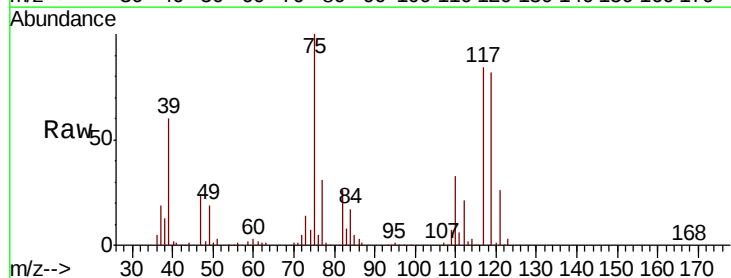
Manual Integrations
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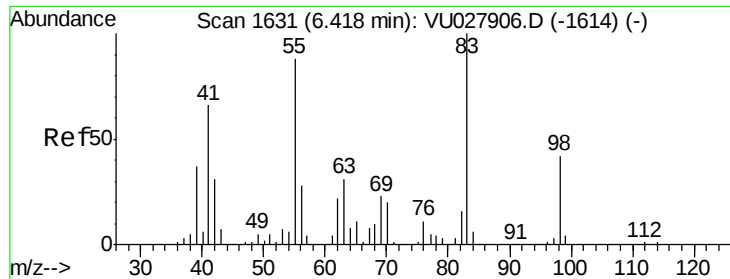
MMDadoda
11/6/2018 12:06:39 PM



#38
Carbon Tetrachloride
Concen: 49.692 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.0	114.0
121	30.6	24.5	36.7





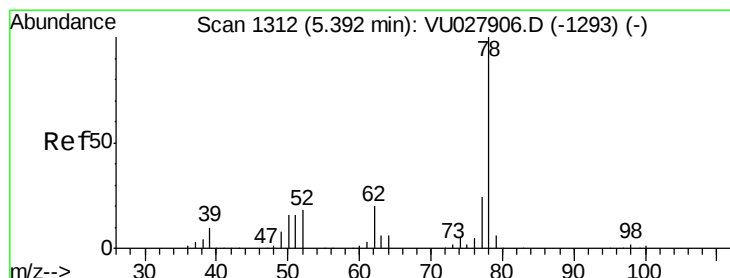
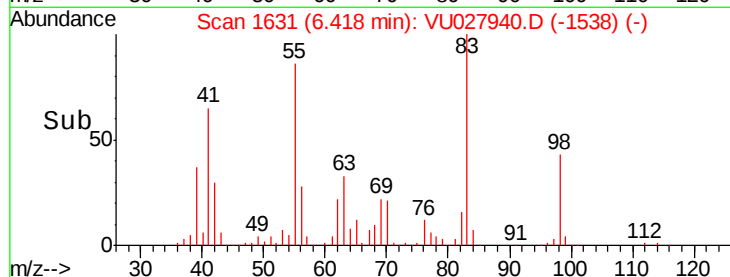
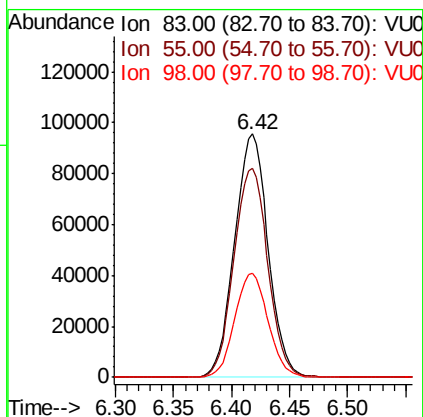
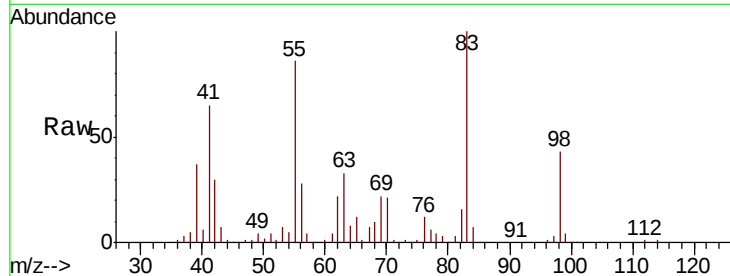
#39
Methvlcvclohexane
Concen: 50.316 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	70.3	105.5
98	42.7	34.0	51.0

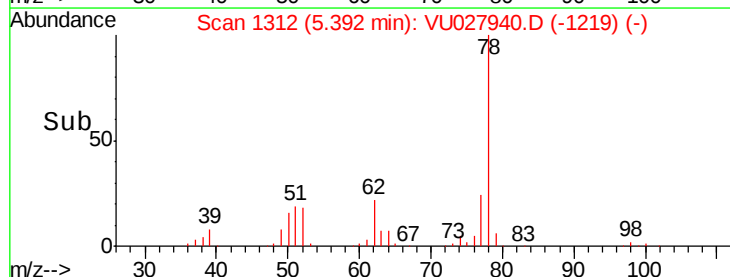
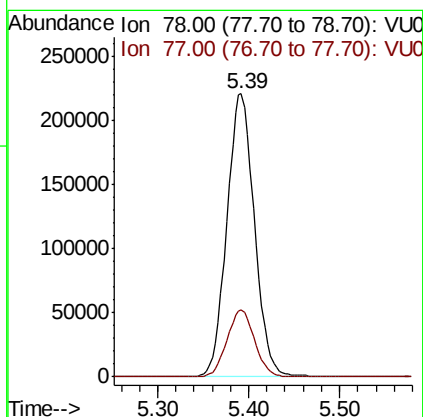
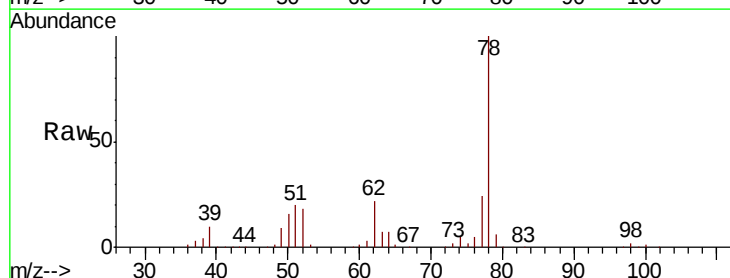
Manual Integrations
APPROVED

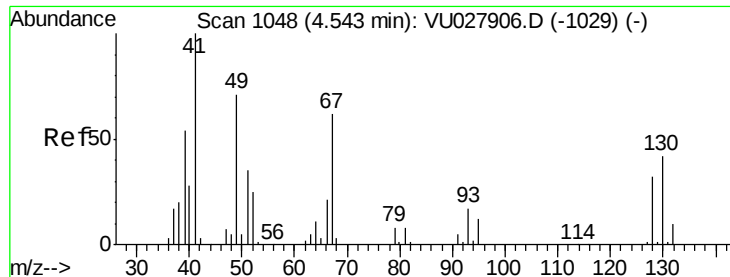
MMDadoda
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#40
Benzene
Concen: 47.951 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





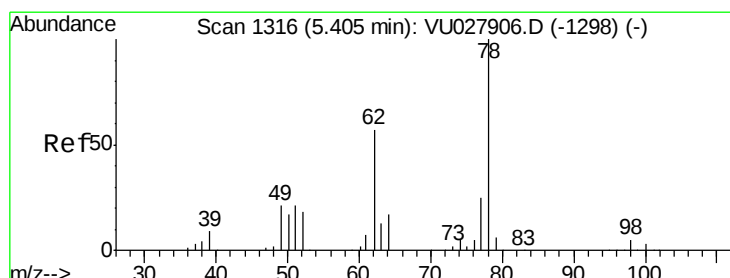
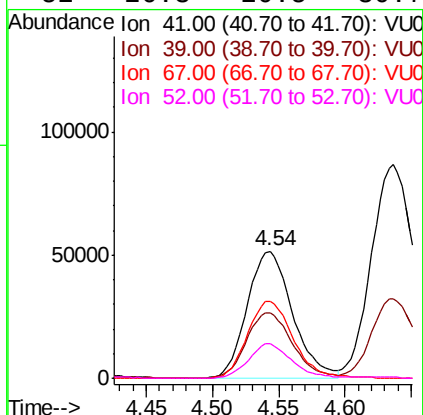
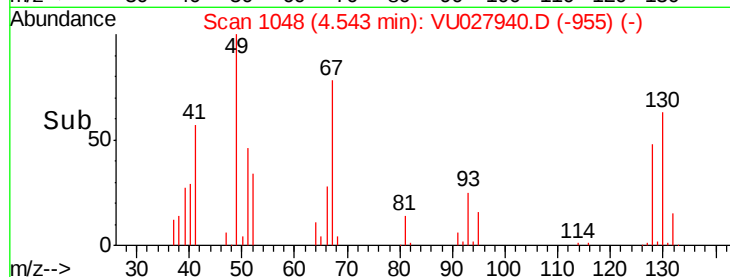
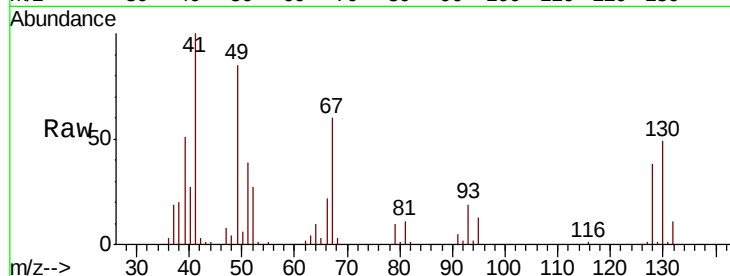
#41
Methacrylonitrile
Concen: 49.776 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	42.2	63.4
67	61.0	49.5	74.3
52	26.3	20.5	30.7

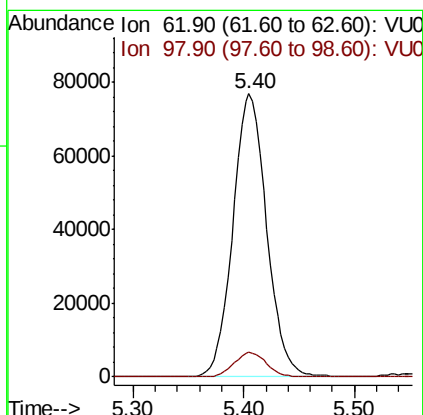
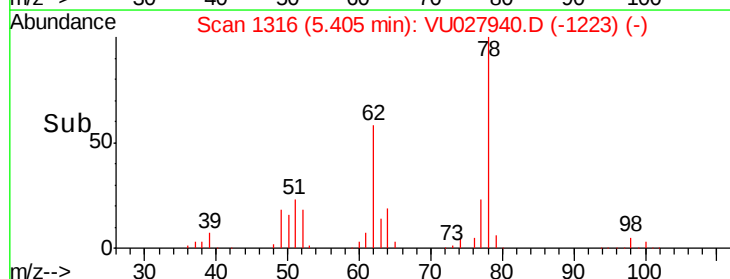
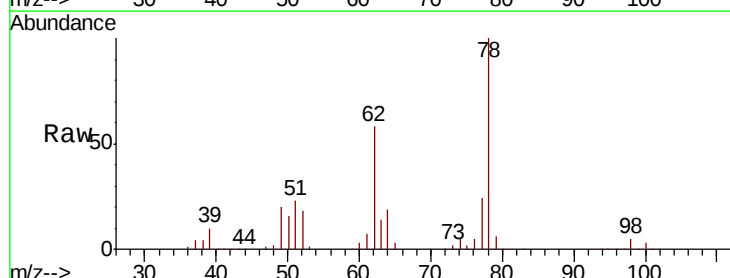
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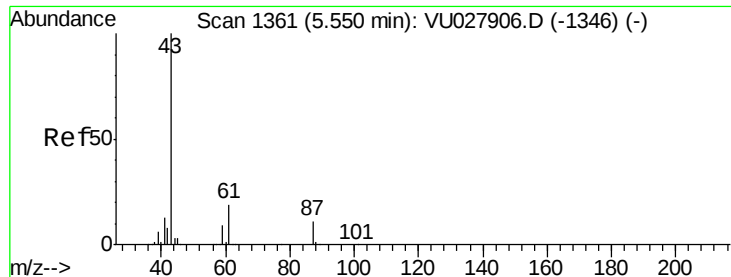
MMDadoda
11/6/2018 12:06:39 PM



#42
1,2-Dichloroethane
Concen: 47.274 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





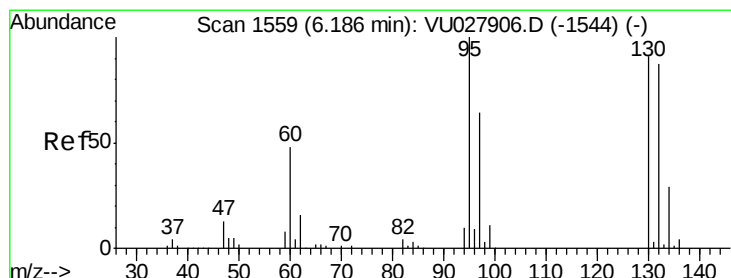
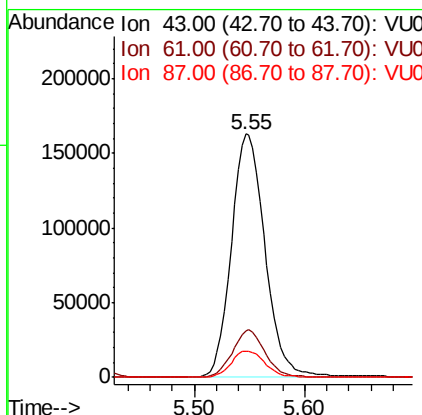
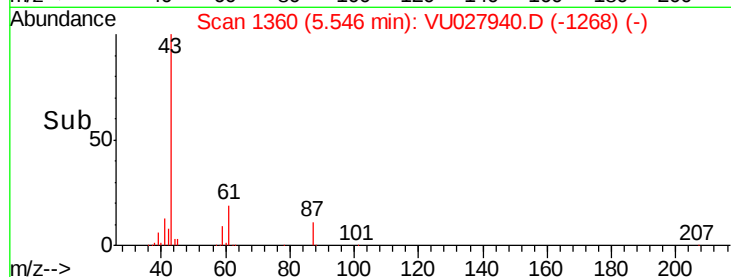
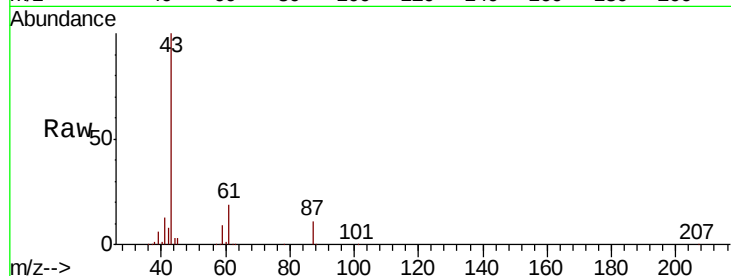
#43
Isopropyl Acetate
Concen: 47.215 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.4
87	11.0	8.6	12.8

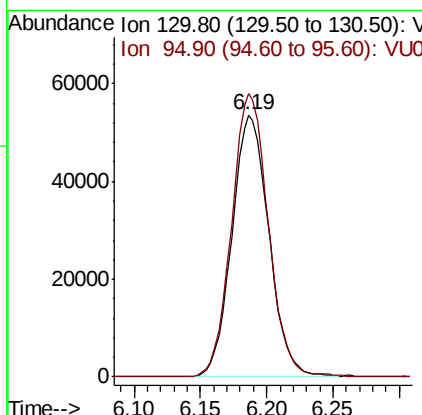
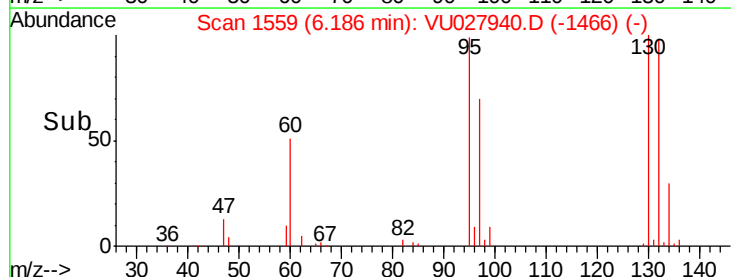
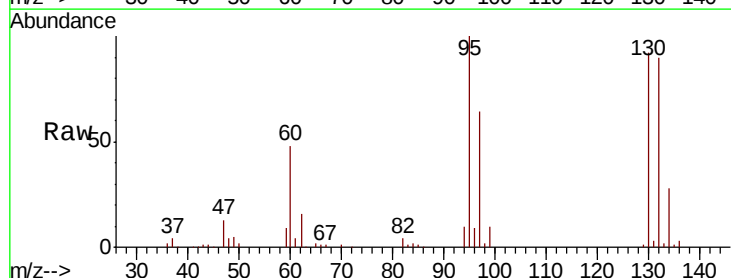
Manual Integrations
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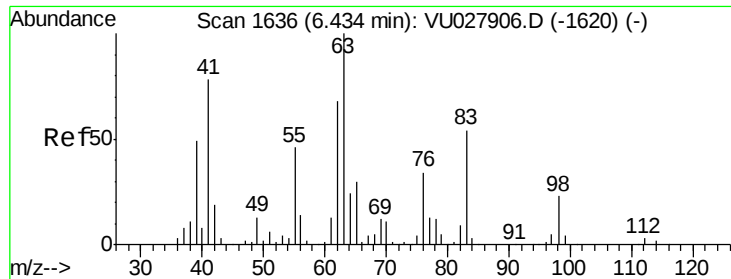
MMDadoda
11/6/2018 12:06:39 PM



#44
Trichloroethene
Concen: 49.743 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	219.2





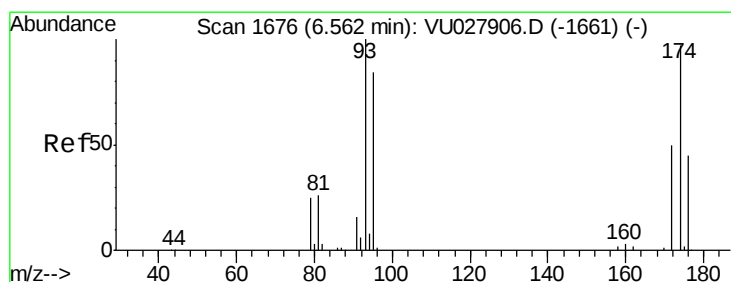
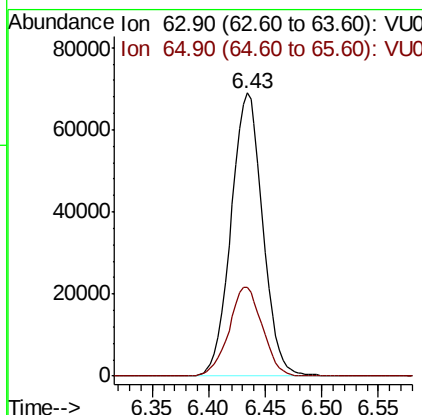
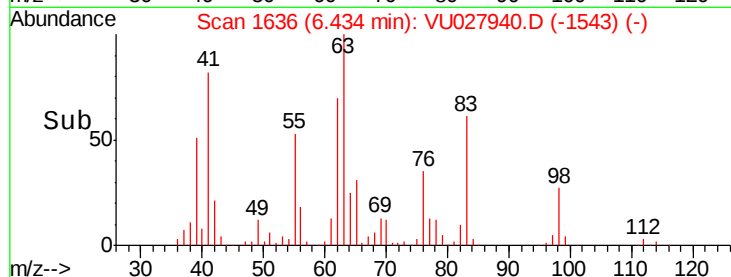
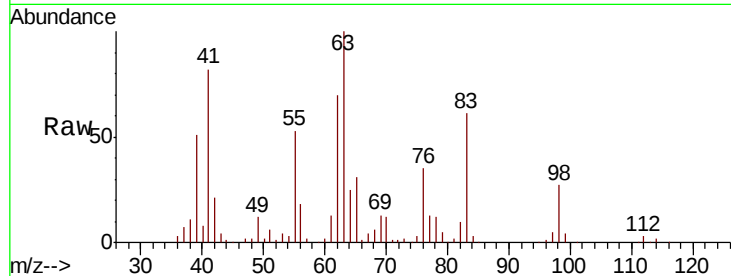
#45
 1,2-Dichloropropane
 Concen: 48.108 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 134362
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6

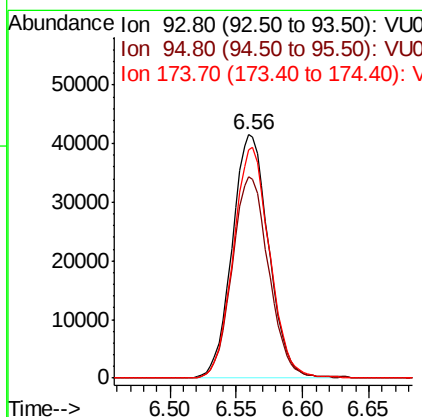
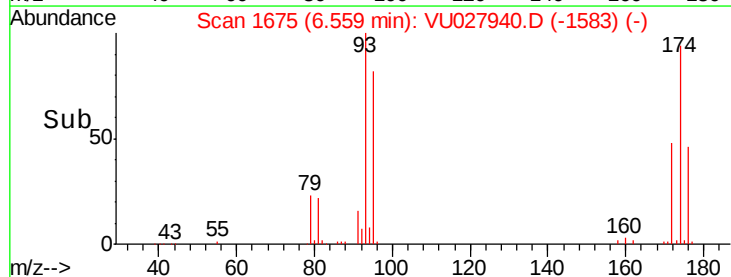
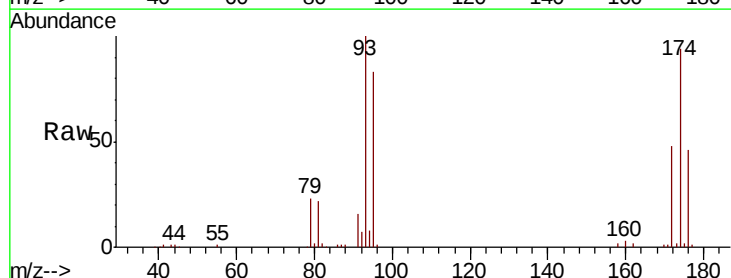
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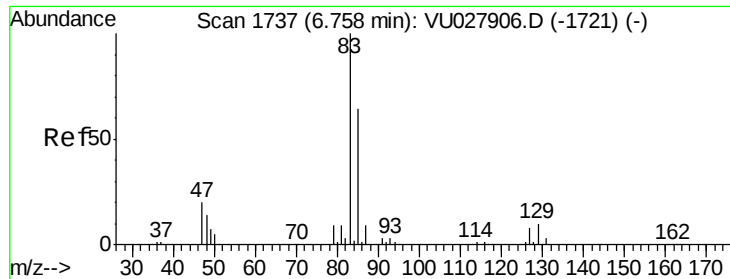
MMDadoda
 11/6/2018 12:06:39 PM



#46
 Dibromomethane
 Concen: 49.490 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion: 93 Resp: 79451
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.5 102.7
 174 94.3 76.1 114.1





#47

Bromodichloromethane

Concen: 51.018 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

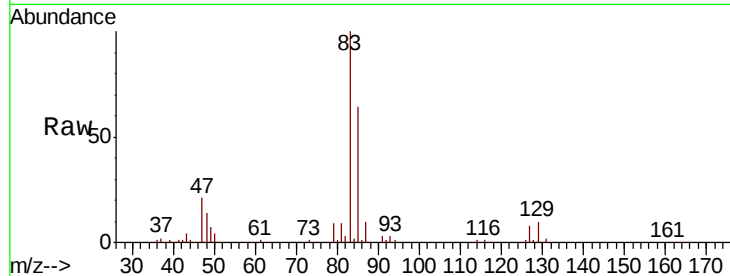
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	157839
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	8.2	6.2	9.4

Manual Integrations
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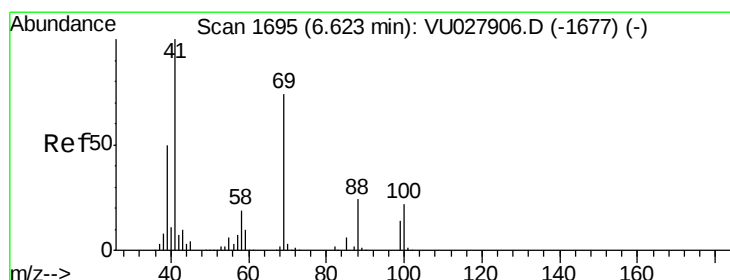
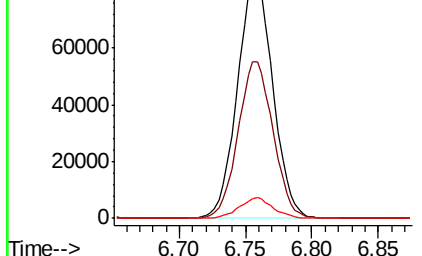
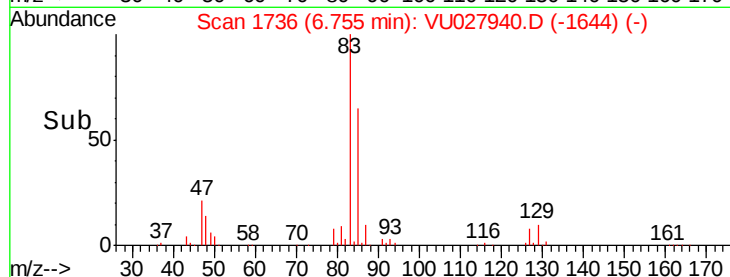


Abundance Ion 82.90 (82.60 to 83.60): VU027940.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU027940.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU027940.D (-1644) (-)

Time-->



#48

Methyl methacrylate

Concen: 48.512 ug/l

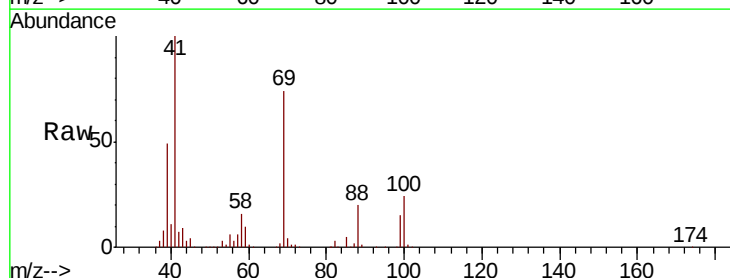
RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	41	Resp:	172859
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.8	89.8
39	50.1	40.0	60.0

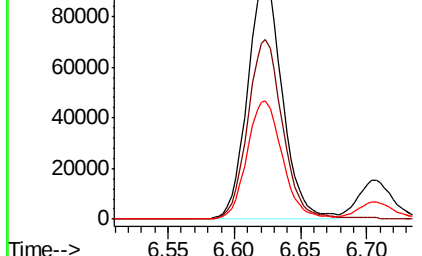
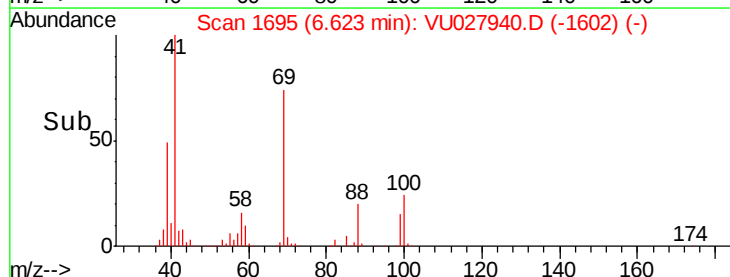


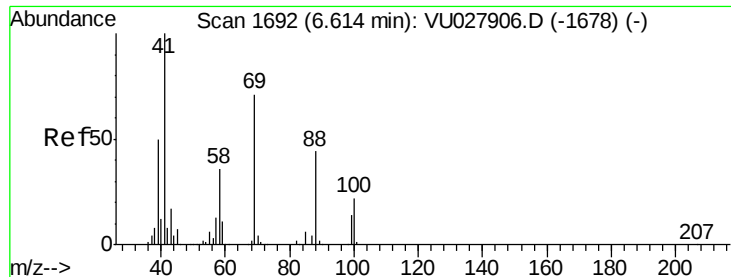
Abundance Ion 41.00 (40.70 to 41.70): VU027940.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU027940.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU027940.D (-1602) (-)

Time-->





#49

1,4-Dioxane

Concen: 944.292 ug/l

RT: 6.61 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 54896

Ion Ratio Lower Upper

88 100

43 38.4 30.5 45.7

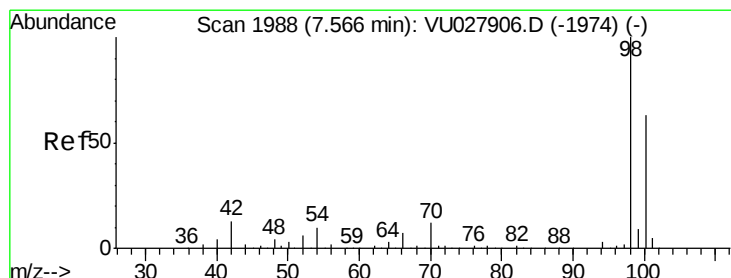
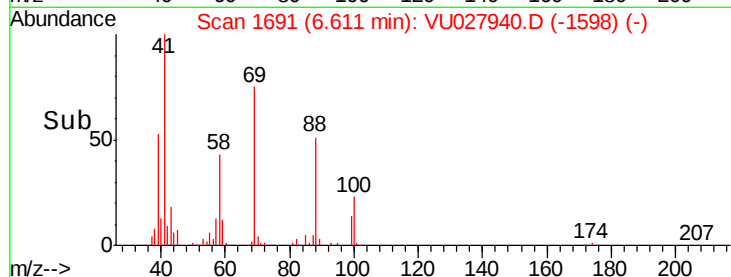
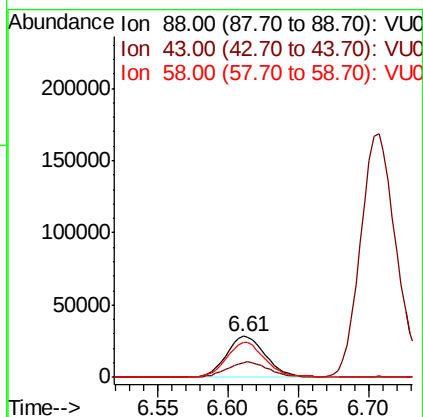
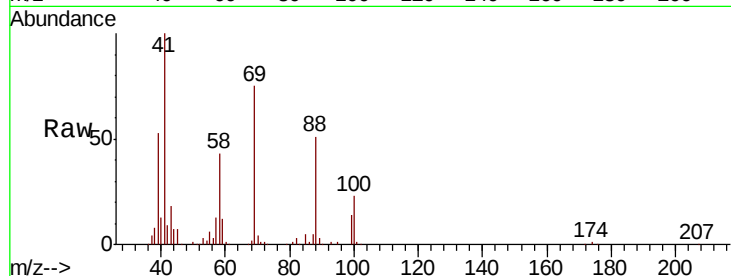
58 85.0 67.1 100.7

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#50

Toluene-d8

Concen: 48.554 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027940.D

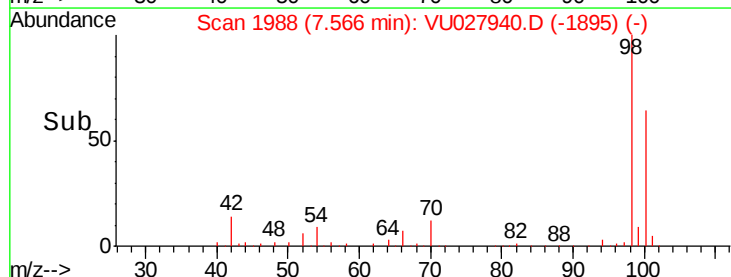
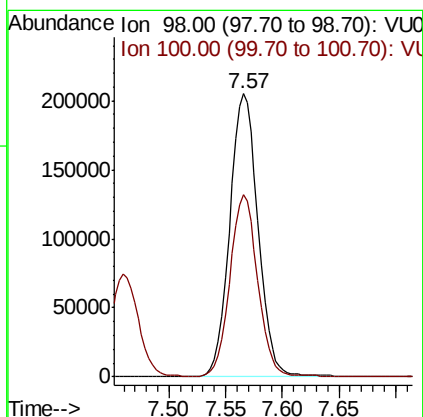
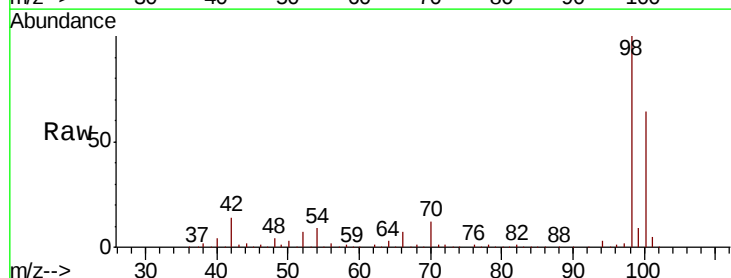
Acq: 05 Nov 2018 08:20

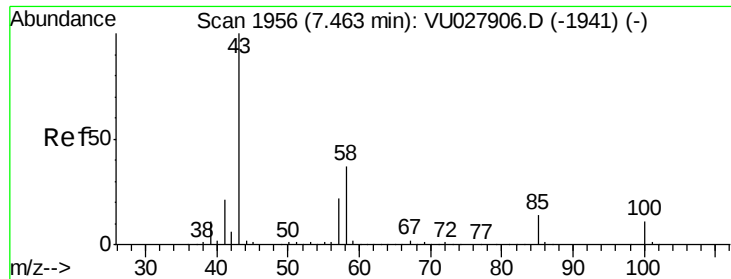
Tgt Ion: 98 Resp: 357664

Ion Ratio Lower Upper

98 100

100 62.2 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 233.318 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1132997

Ion Ratio Lower Upper

43 100

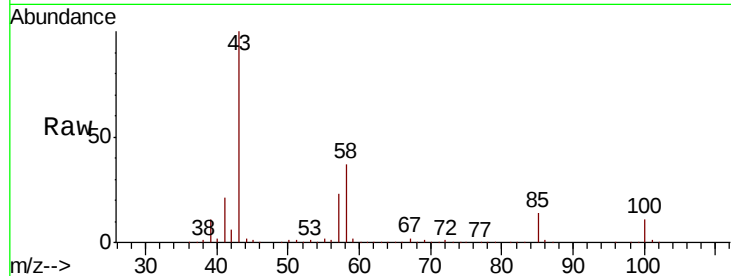
58 36.9 29.5 44.3

Manual Integrations

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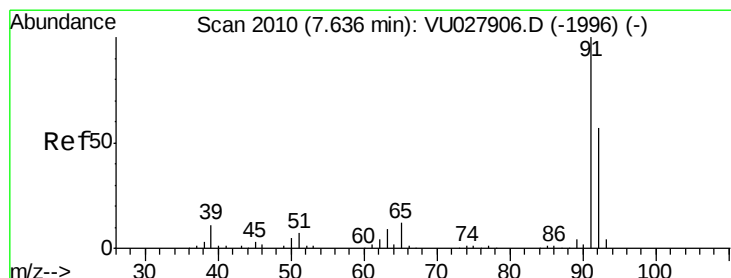
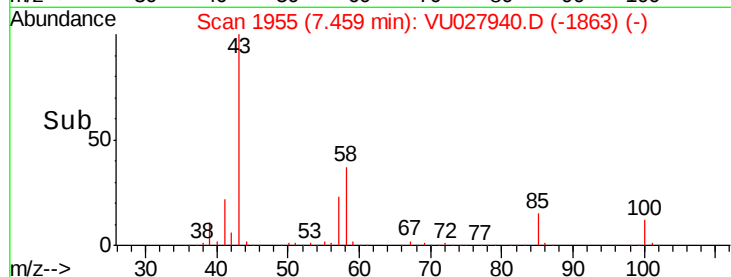
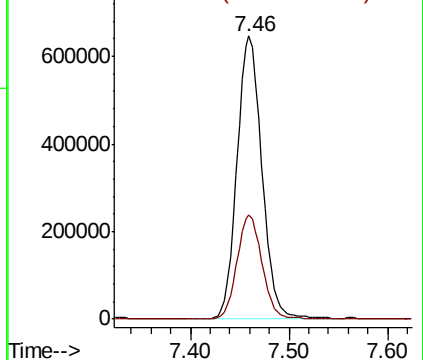
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.327 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027940.D

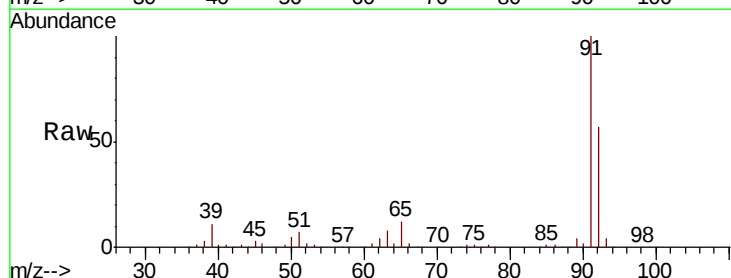
Acq: 05 Nov 2018 08:20

Tgt Ion: 92 Resp: 275146

Ion Ratio Lower Upper

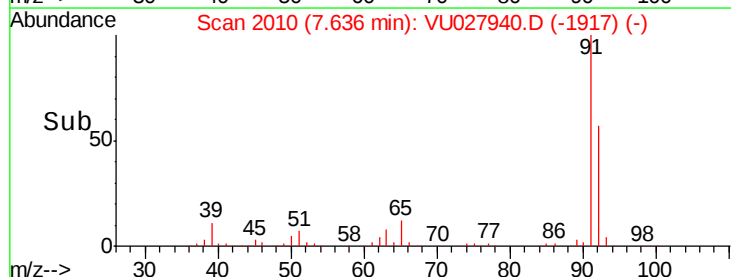
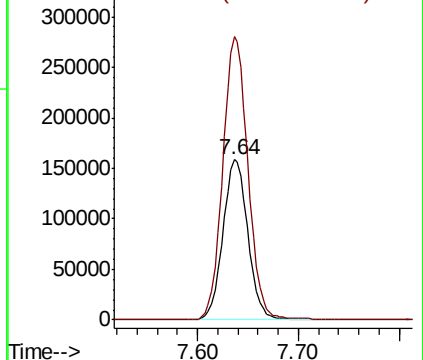
92 100

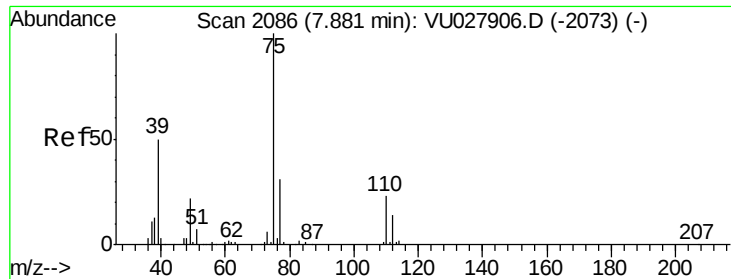
91 178.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





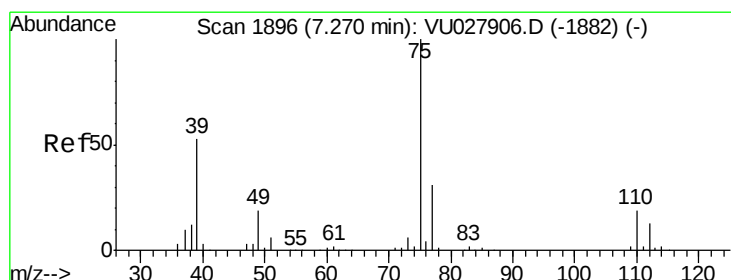
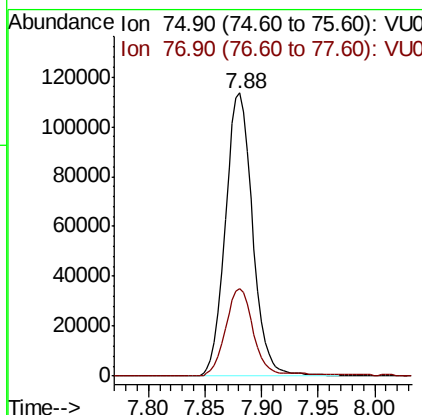
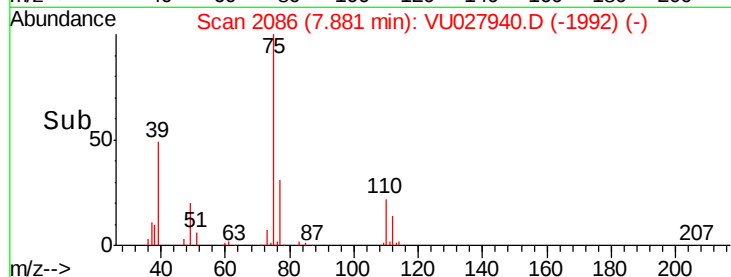
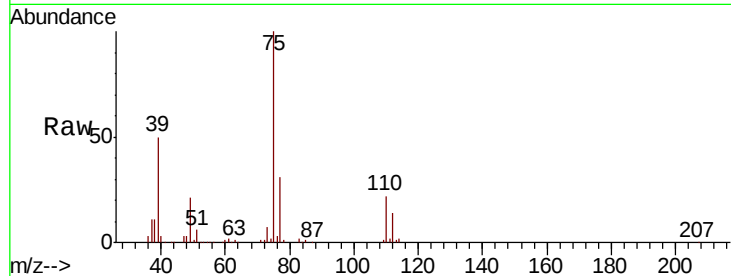
#53
t-1,3-Dichloropropene
Concen: 49.657 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 190483
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

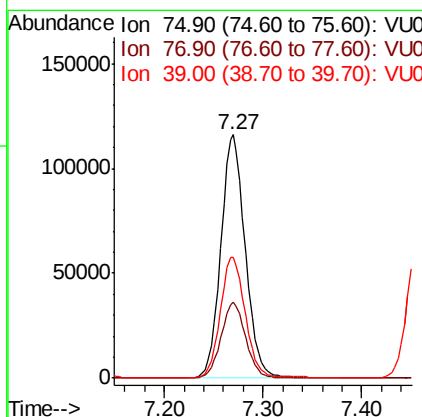
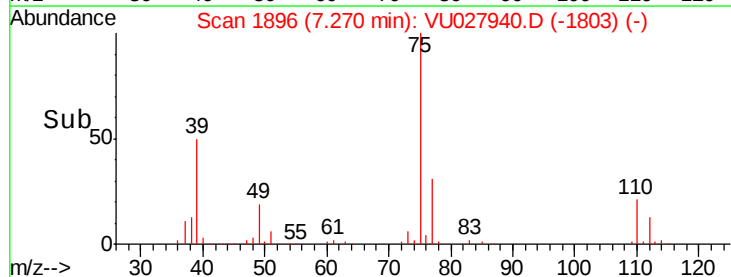
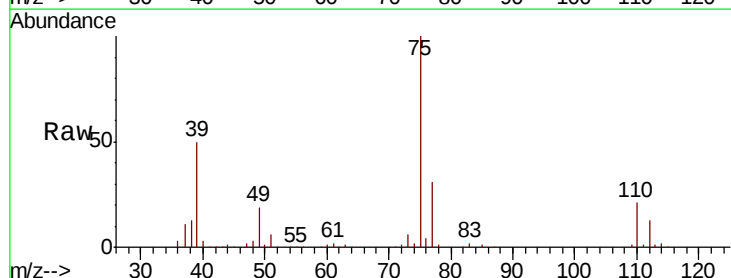
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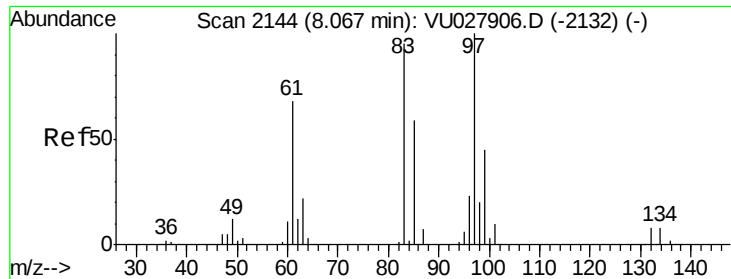
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#54
cis-1,3-Dichloropropene
Concen: 52.875 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion: 75 Resp: 201658
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0
39 49.7 42.6 64.0





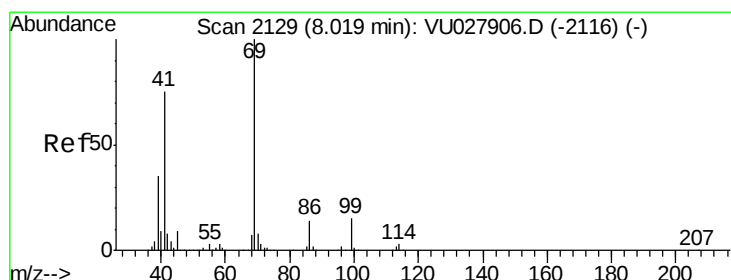
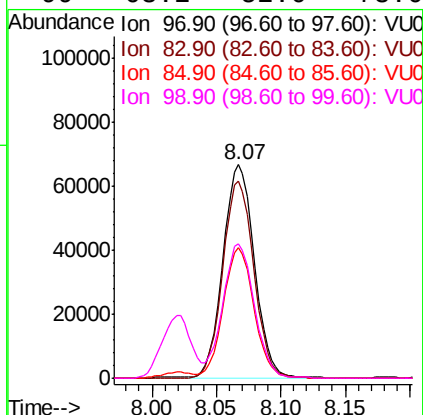
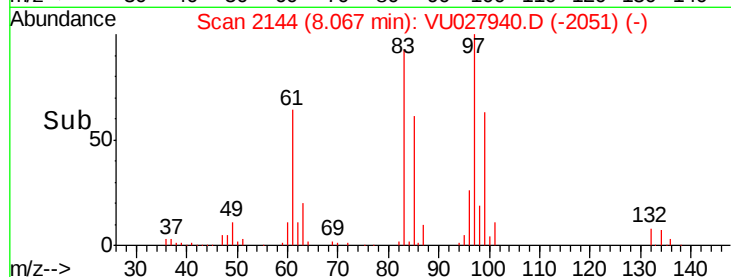
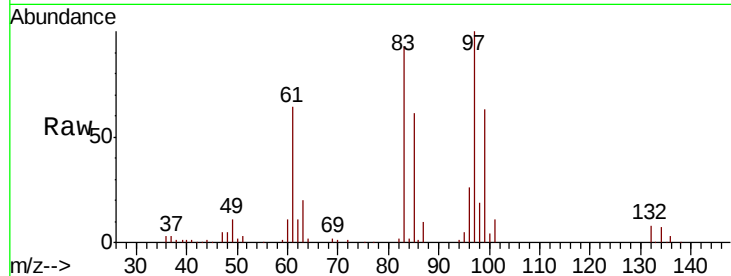
#55
1,1,2-Trichloroethane
Concen: 48.848 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	113147
Ion Ratio	Lower	Upper	
97	100		
83	92.4	76.1	114.1
85	60.9	48.9	73.3
99	63.2	52.0	78.0

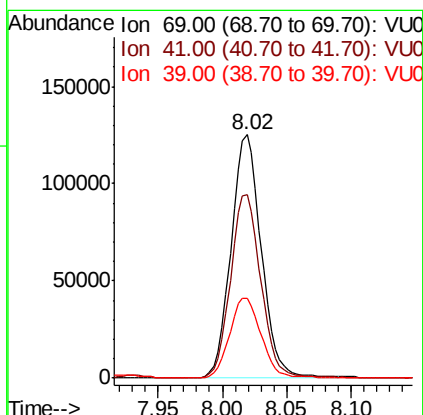
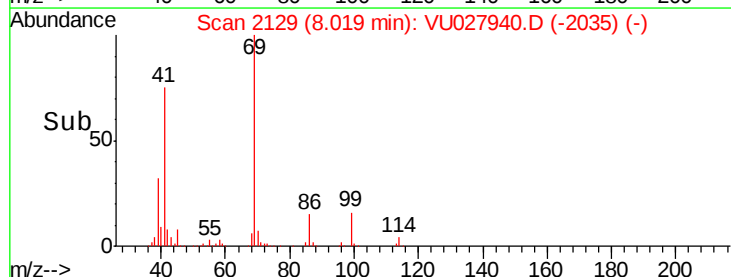
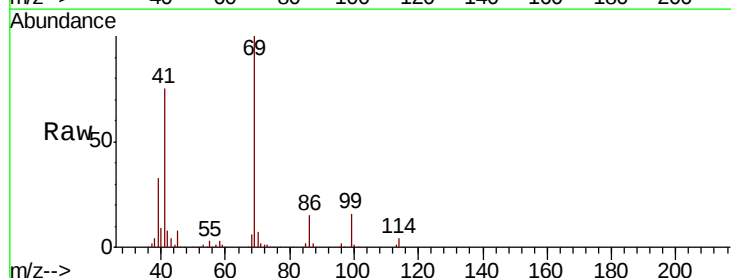
Manual Integrations
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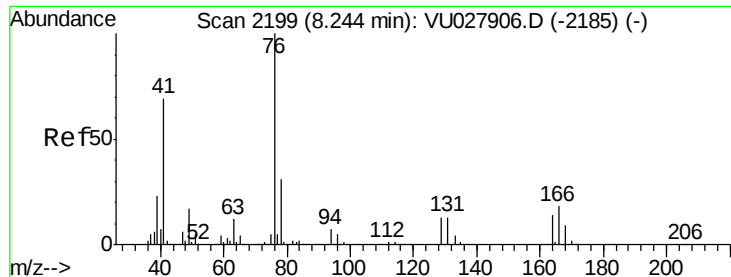
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#56
Ethyl methacrylate
Concen: 49.859 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion:	69	Resp:	203665
Ion Ratio	Lower	Upper	
69	100		
41	75.6	59.8	89.6
39	34.0	28.6	42.8





#57

1,3-Dichloropropane

Concen: 48.339 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 203960

Ion Ratio Lower Upper

76 100

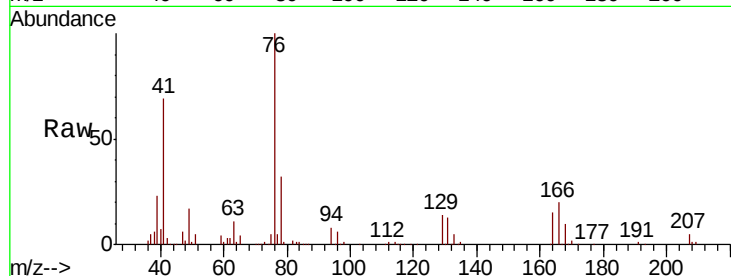
78 32.6 25.3 37.9

Manual Integrations

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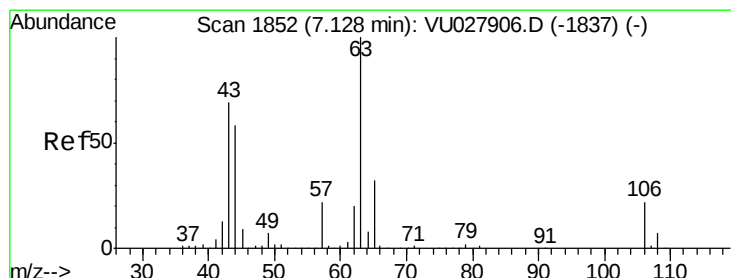
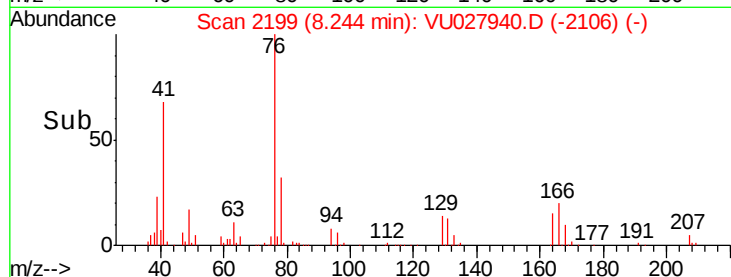
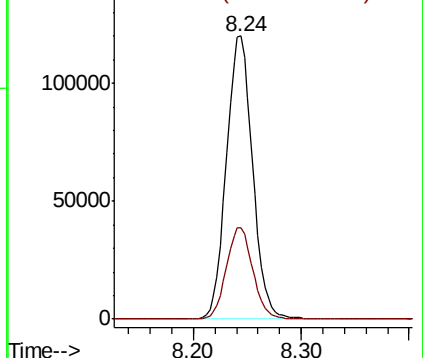
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 257.871 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027940.D

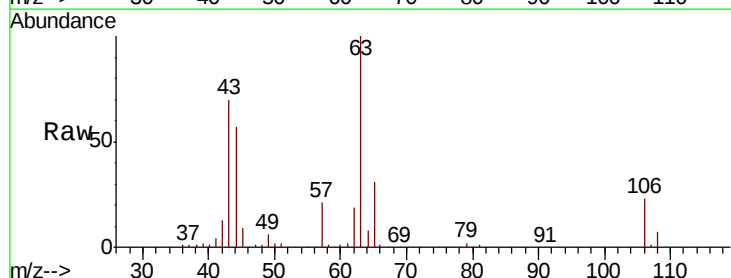
Acq: 05 Nov 2018 08:20

Tgt Ion: 63 Resp: 564150

Ion Ratio Lower Upper

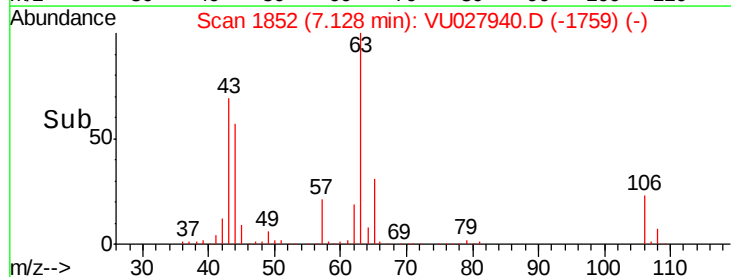
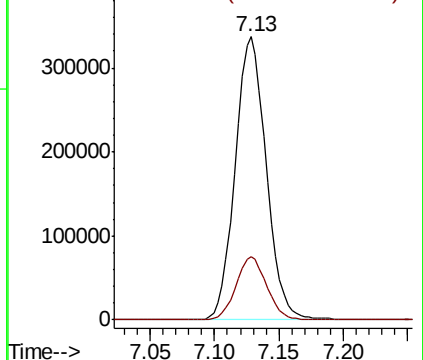
63 100

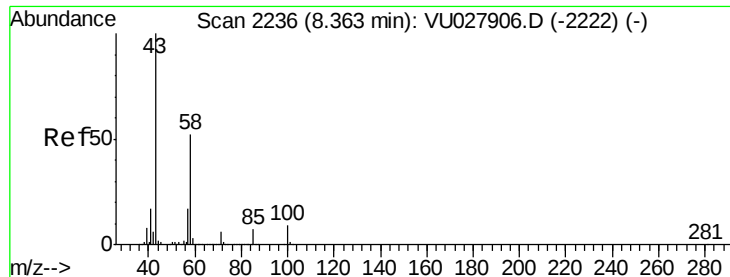
106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





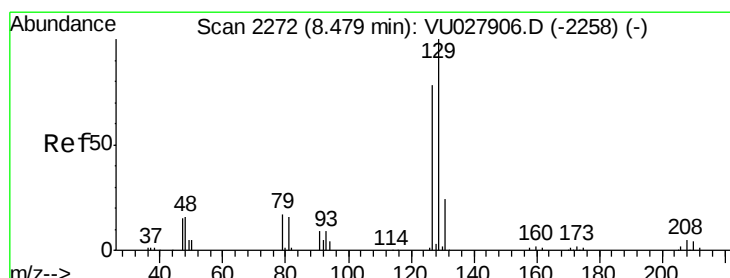
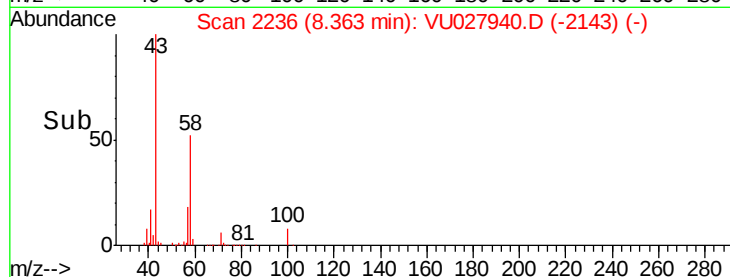
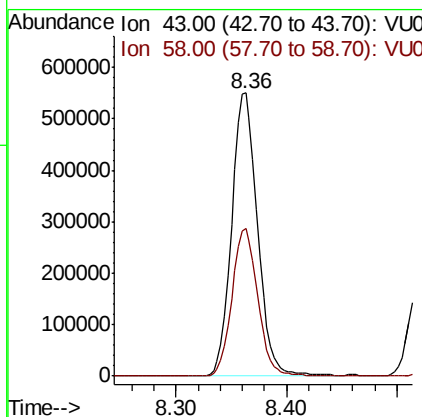
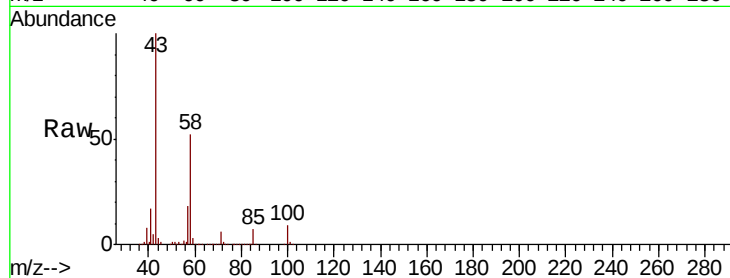
#59
2-Hexanone
Concen: 238.528 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 895862
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3

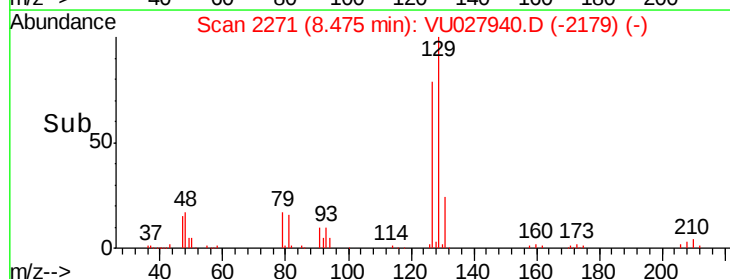
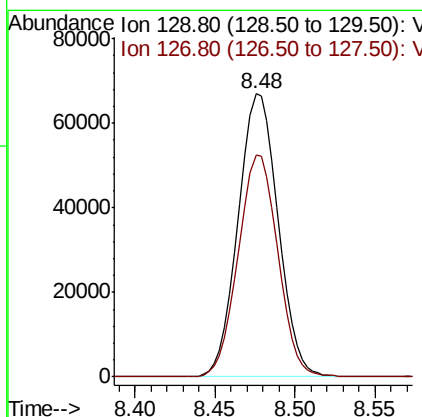
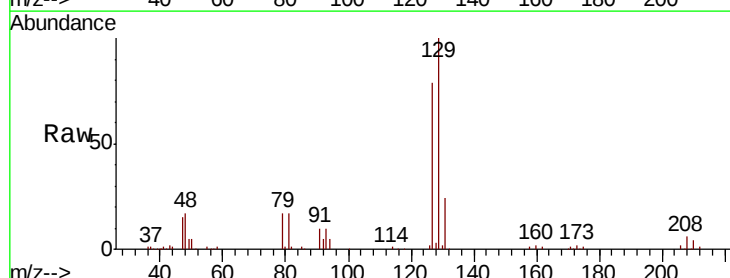
Manual Integrations
APPROVED

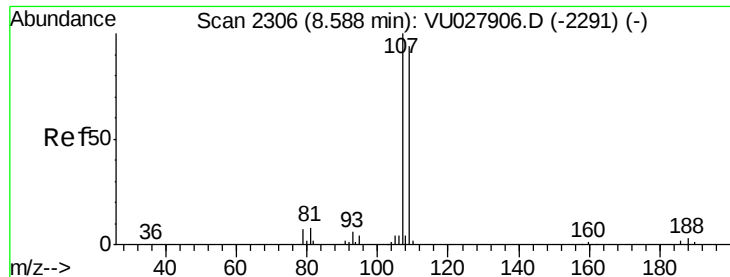
MMDadoda
11/6/2018 12:06:39 PM



#60
Dibromochloromethane
Concen: 52.063 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion: 129 Resp: 114116
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





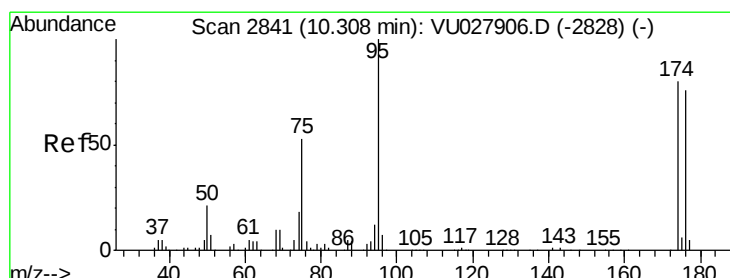
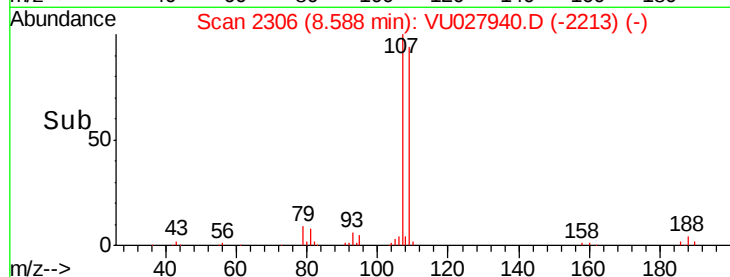
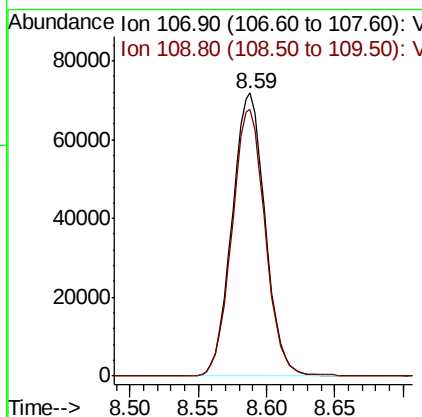
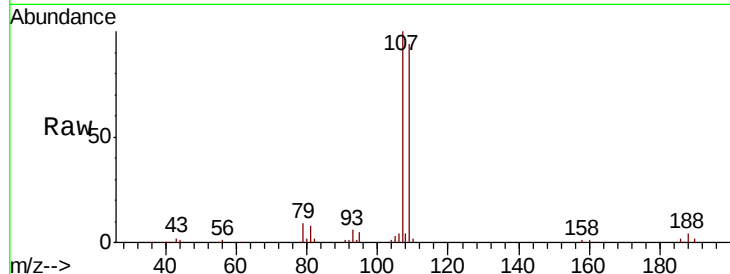
#61
 1,2-Dibromoethane
 Concen: 49.131 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	73.8	110.8

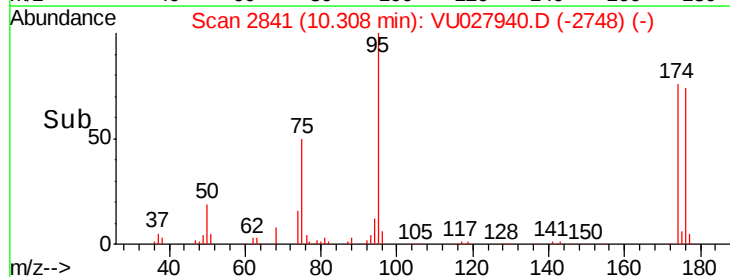
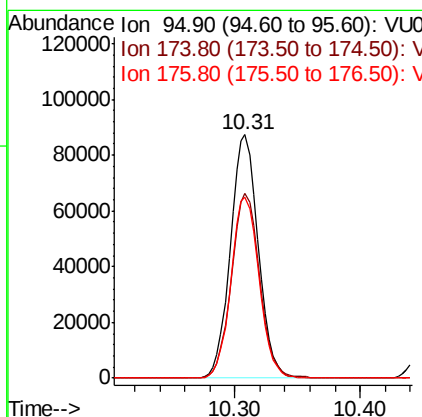
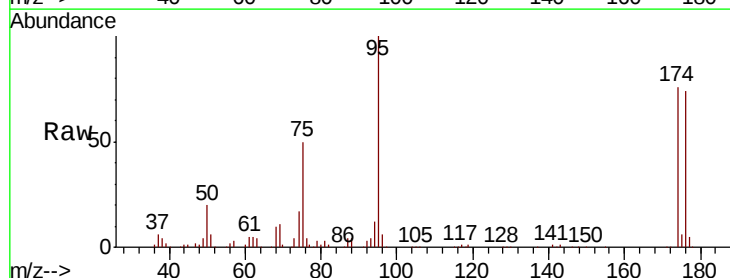
Manual Integrations
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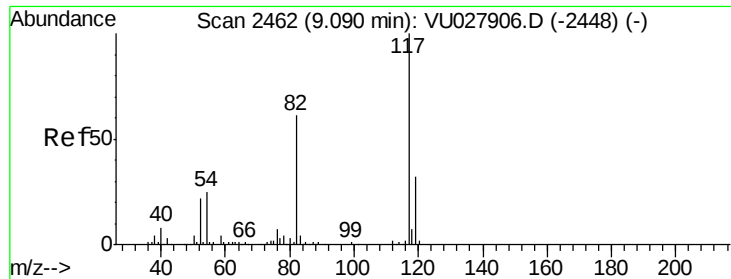
MMDadoda
 11/6/2018 12:06:39 PM



#62
 4-Bromofluorobenzene
 Concen: 49.396 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	156.4
176	75.2	0.0	150.8





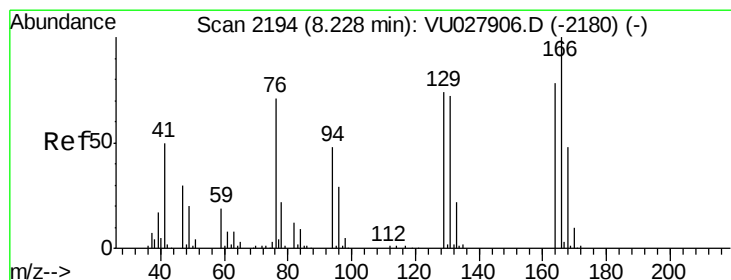
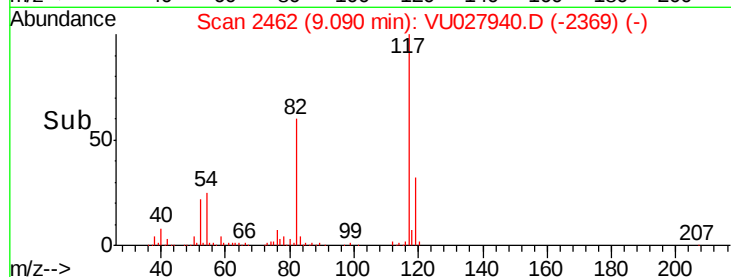
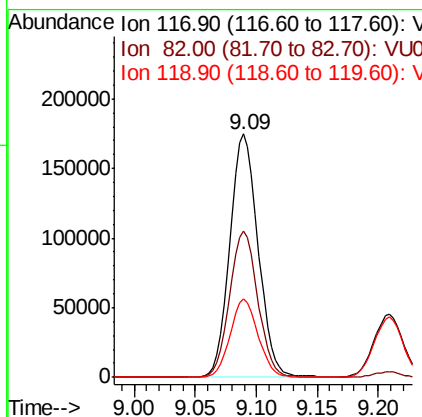
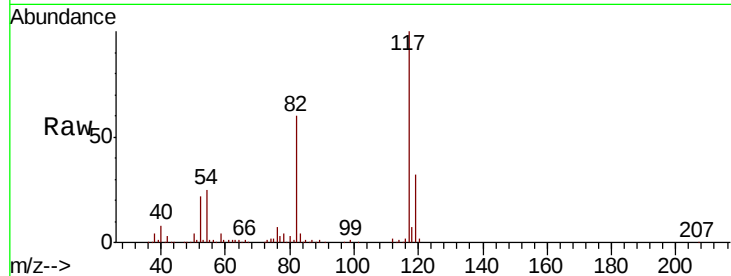
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283097		
82	59.9	48.6	73.0	
119	32.0	25.8	38.8	

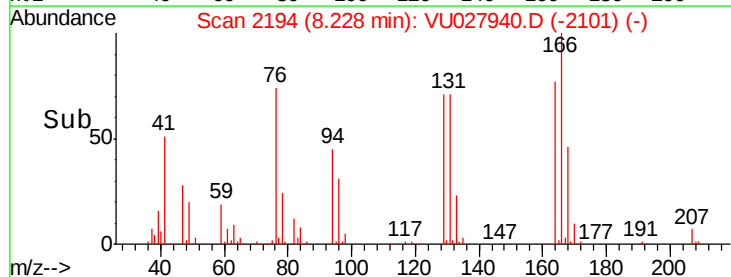
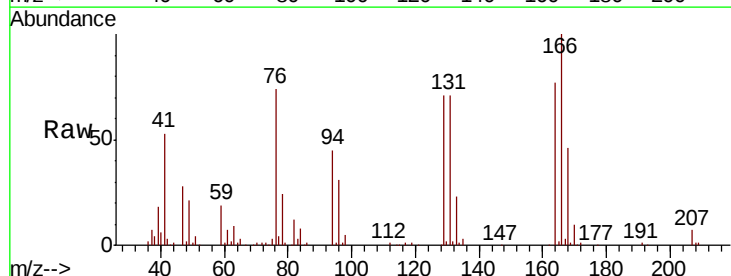
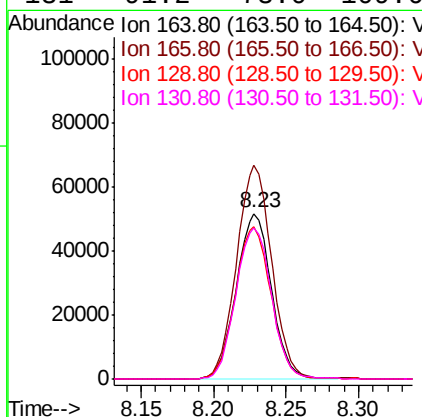
Manual Integrations
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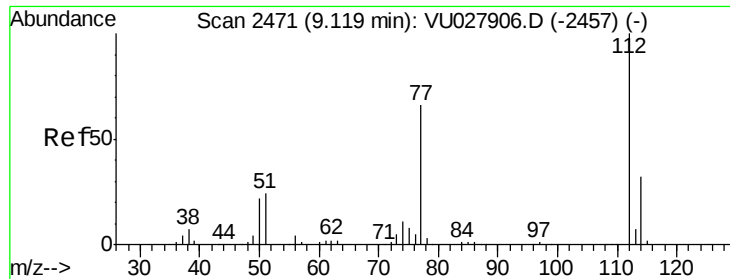
MMDadoda
11/6/2018 12:06:39 PM



#64
Tetrachloroethene
Concen: 47.715 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87590		
166	129.1	102.1	153.1	
129	91.8	75.9	113.9	
131	91.2	73.0	109.6	





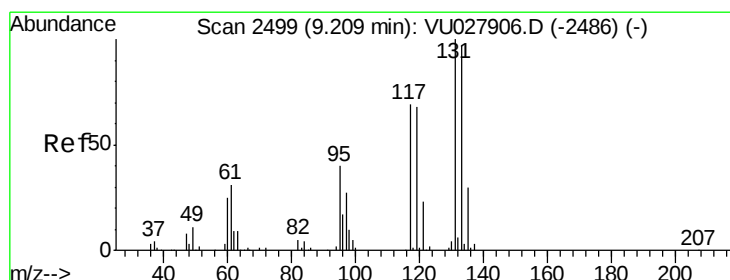
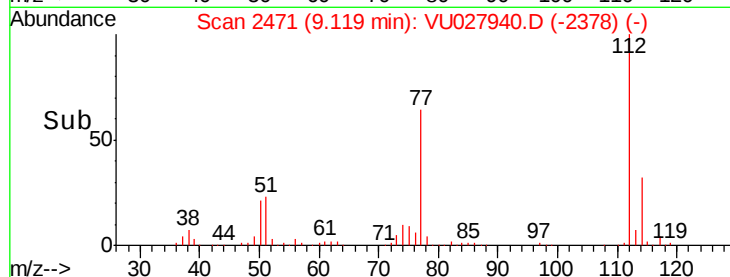
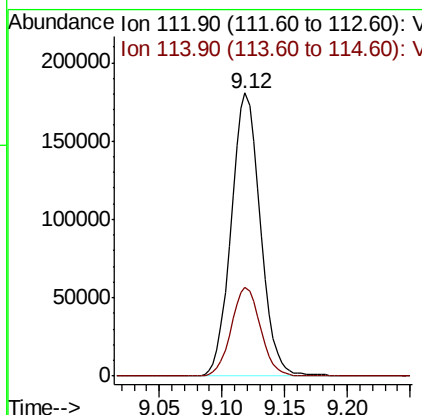
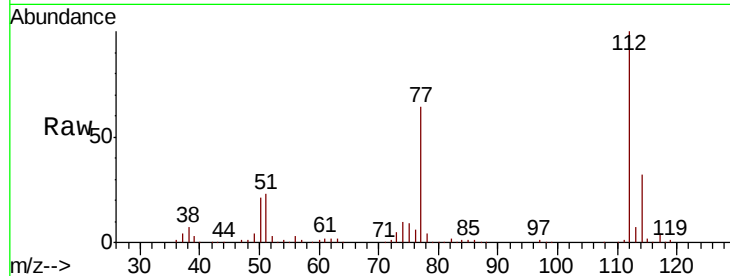
#65
Chlorobenzene
Concen: 48.773 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.2	37.8

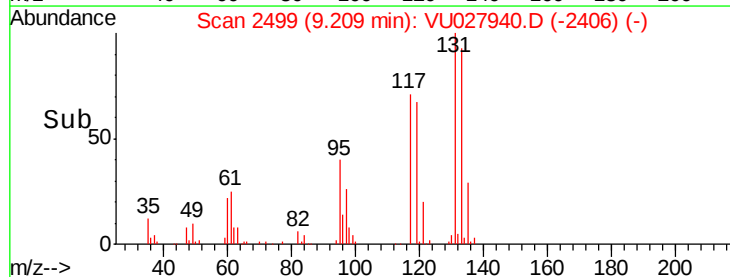
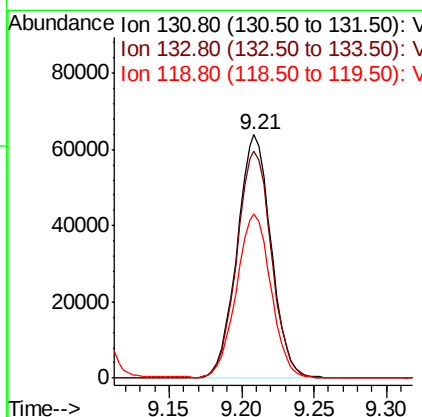
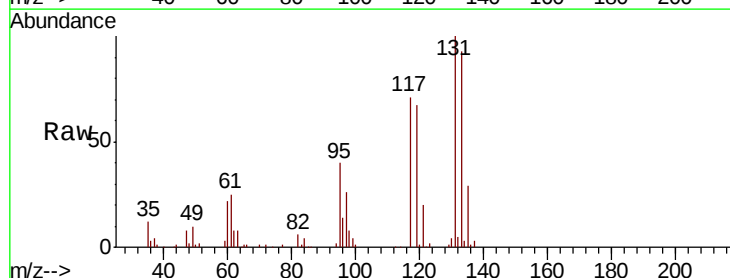
Manual Integrations
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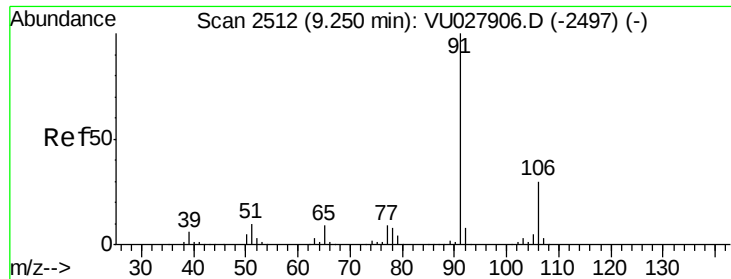
MMDadoda
11/6/2018 12:06:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.867 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.1	144.4
119	68.1	34.0	101.8





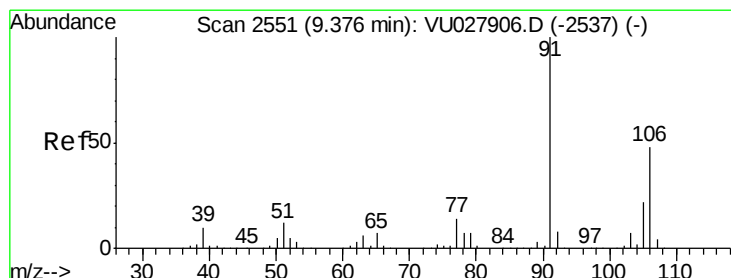
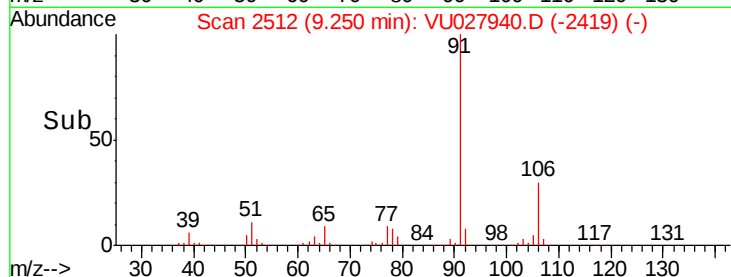
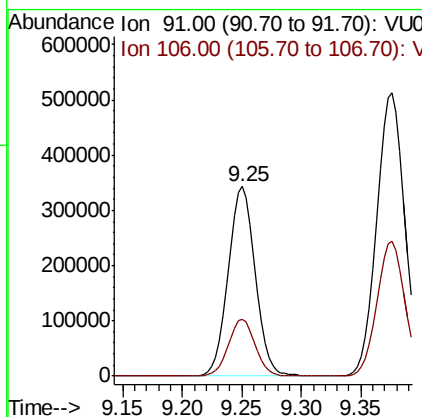
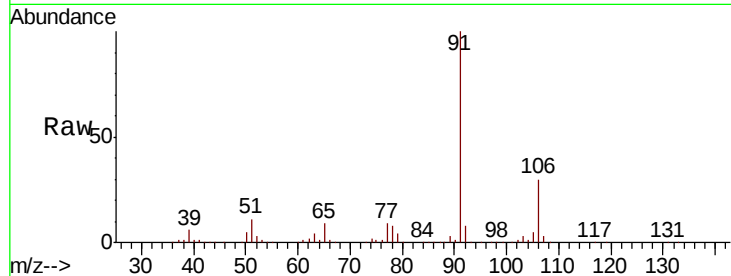
#67
Ethyl Benzene
Concen: 49.181 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 541449
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

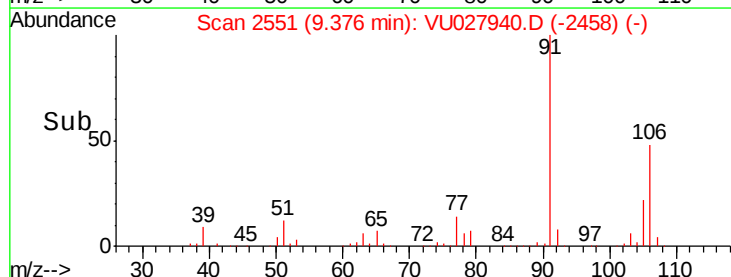
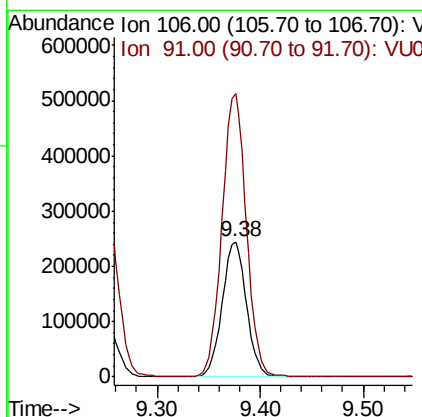
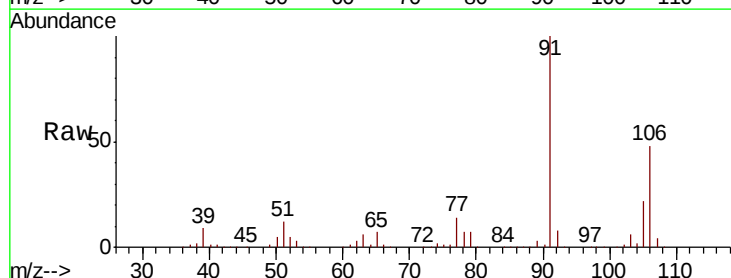
Manual Integrations
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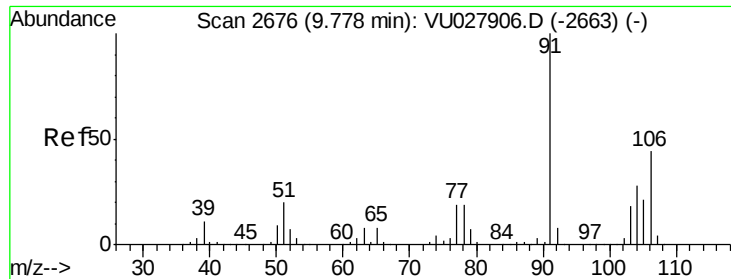
MMDadoda
11/6/2018 12:06:39 PM



#68
m/p-Xylenes
Concen: 99.793 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion: 106 Resp: 398634
Ion Ratio Lower Upper
106 100
91 211.0 168.2 252.4





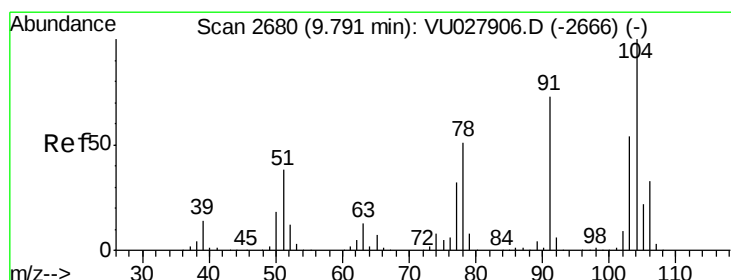
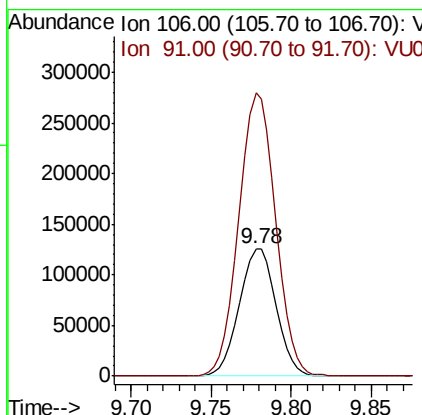
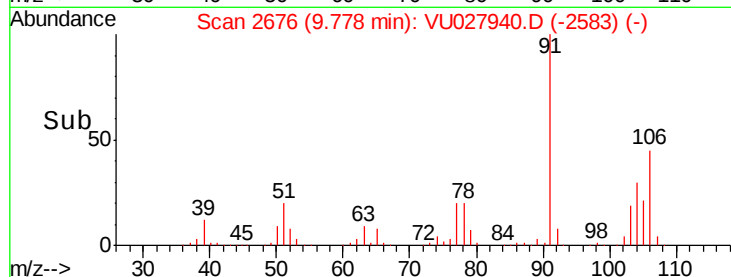
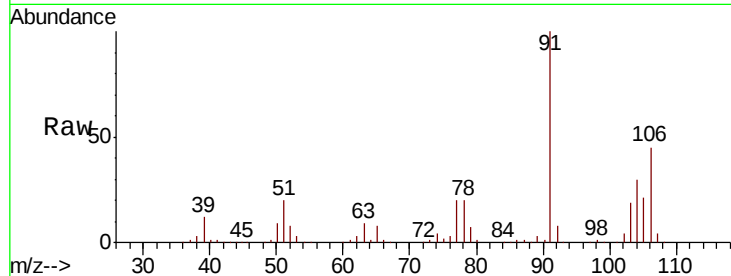
#69
o-Xylene
Concen: 48.776 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 196748
Ion Ratio Lower Upper
106 100
91 222.1 111.1 333.4

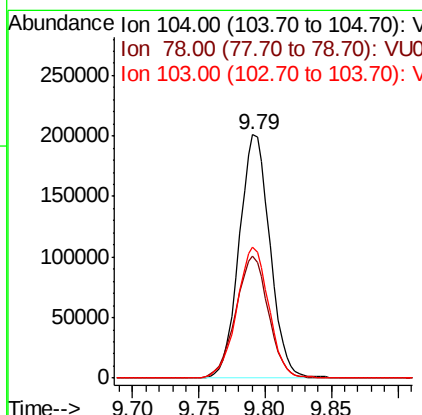
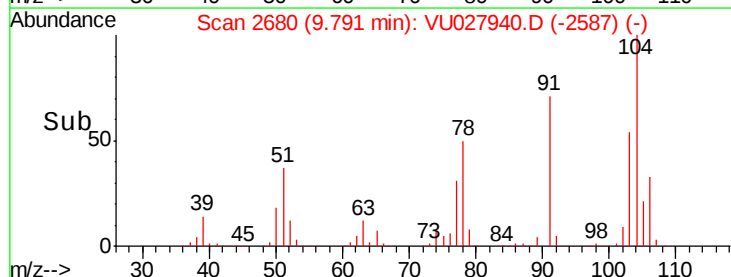
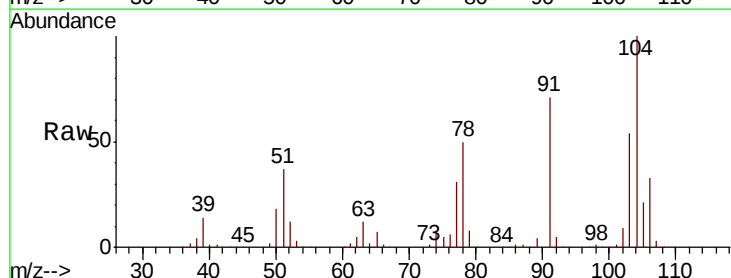
Manual Integrations
APPROVED

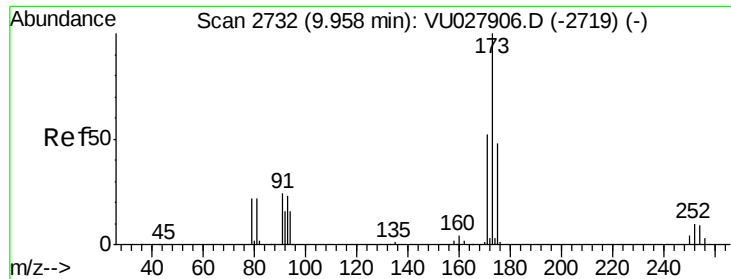
MMDadoda
11/6/2018 12:06:39 PM



#70
Styrene
Concen: 50.444 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion:104 Resp: 325118
Ion Ratio Lower Upper
104 100
78 53.3 43.0 64.4
103 55.8 45.1 67.7





#71

Bromoform

Concen: 52.785 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 90374

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

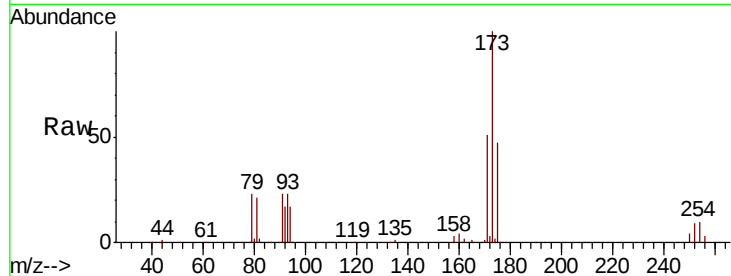
254 0.0 0.0 0.0

Manual Integrations

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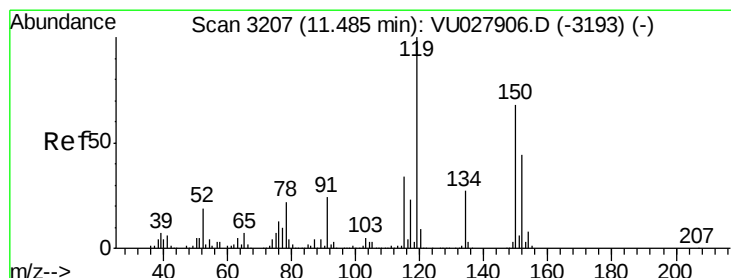
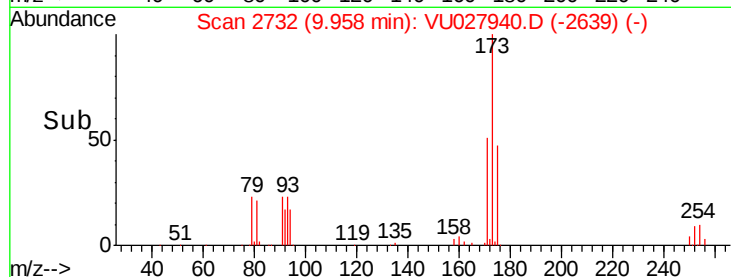
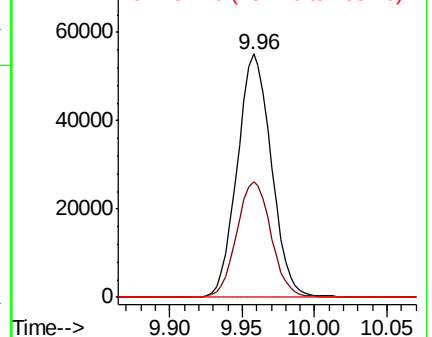
11/6/2018 12:06:39 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

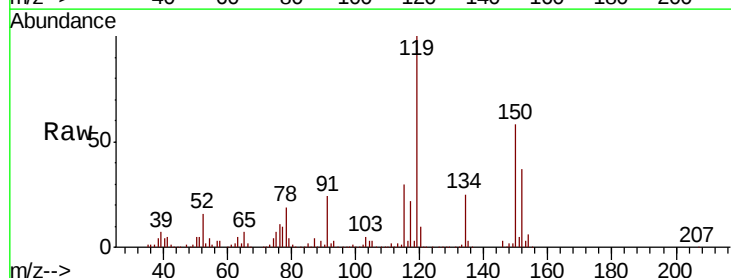
Tgt Ion:152 Resp: 139942

Ion Ratio Lower Upper

152 100

115 85.6 43.0 129.0

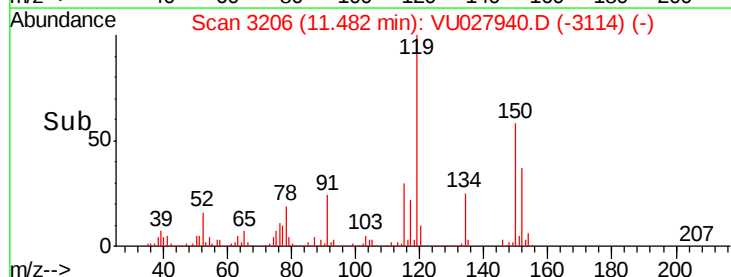
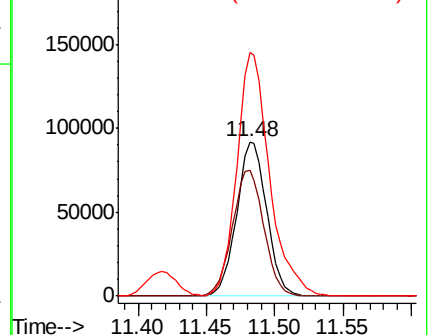
150 172.0 0.0 349.4

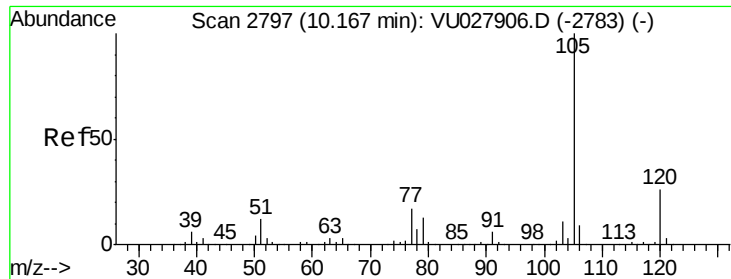


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.617 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 527068

Ion Ratio Lower Upper

105 100

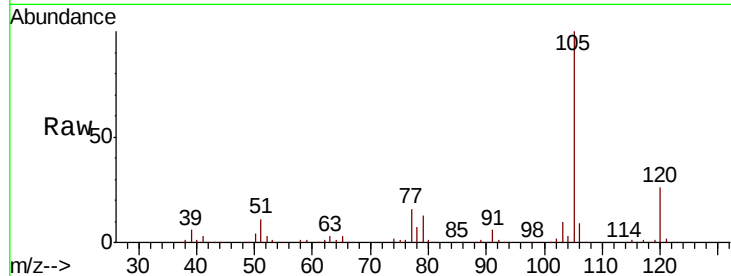
120 25.5 12.7 38.0

Manual Integrations

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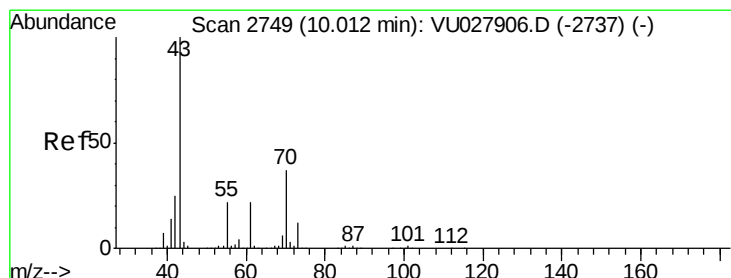
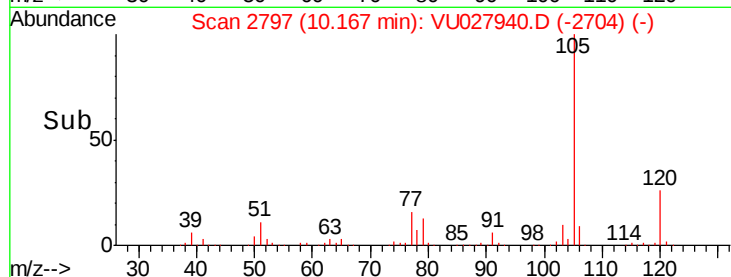
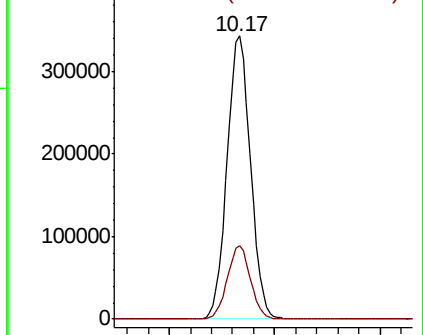
MMDadoda

11/6/2018 12:06:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.135 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion: 43 Resp: 322102

Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 22.3 17.8 26.6

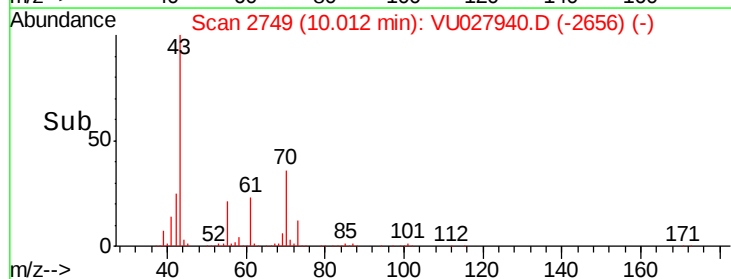
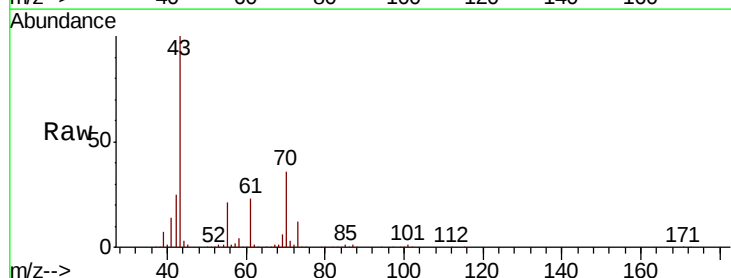
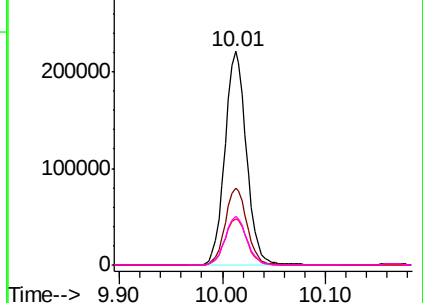
61 22.7 17.8 26.8

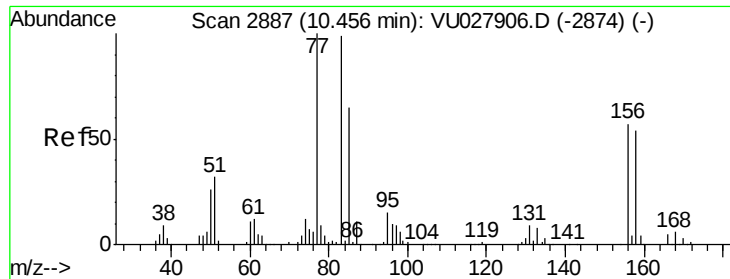
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





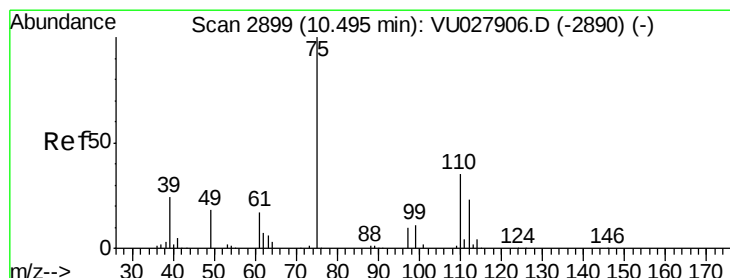
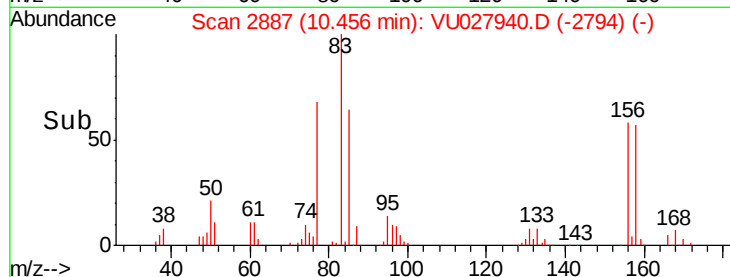
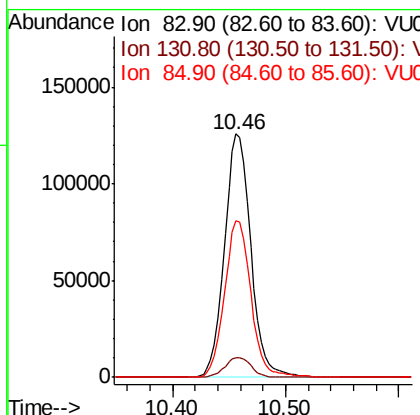
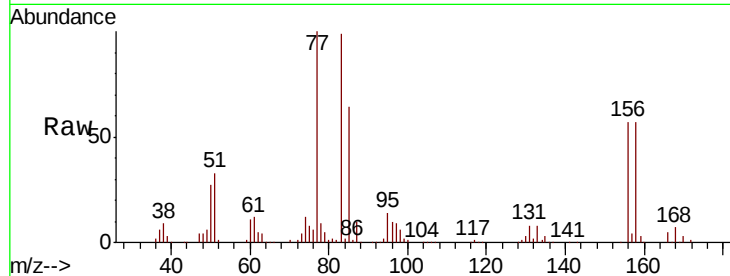
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.663 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.3	13.1
85	64.6	32.4	97.2

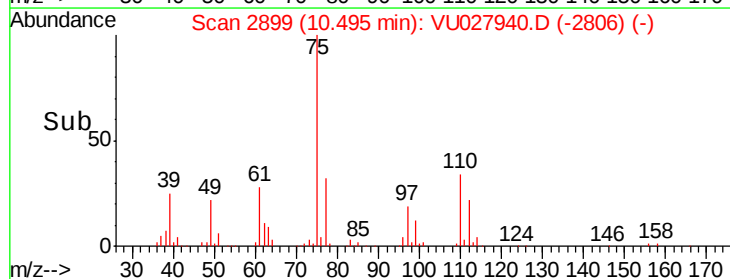
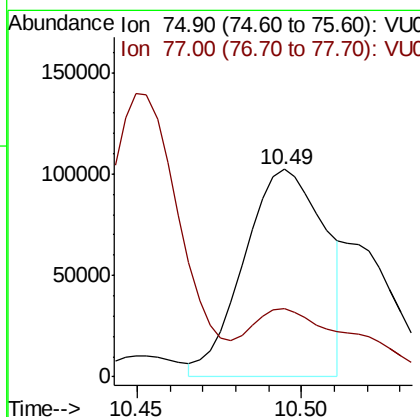
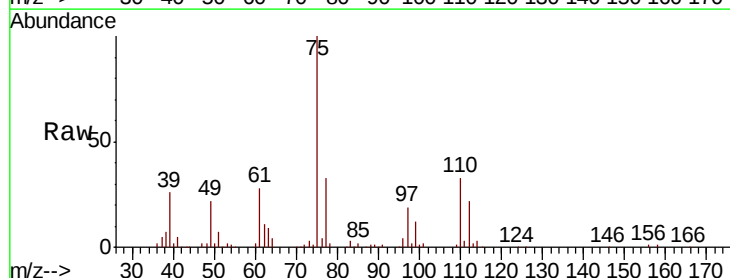
Manual Integrations
 APPROVED

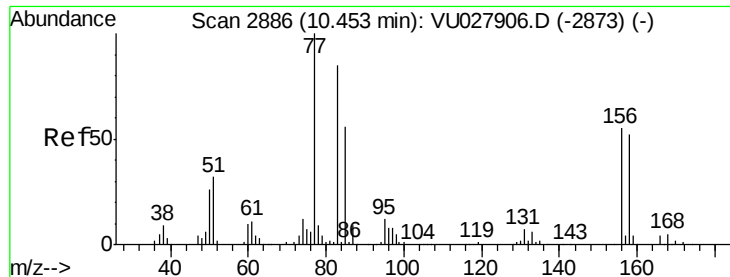
MMDadoda
 11/6/2018 12:06:39 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.639 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.9	21.6	64.6





#77

Bromobenzene

Concen: 49.641 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

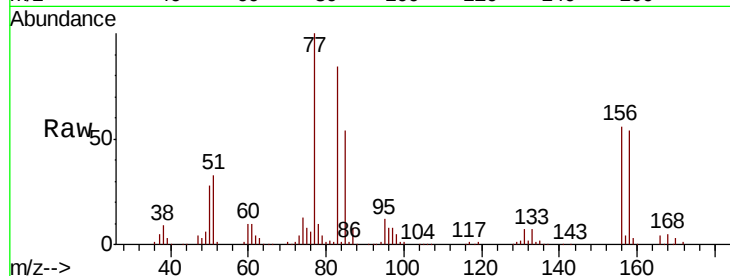
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	123403
Ion Ratio	Lower	Upper	
156	100		
77	182.2	91.8	275.6
158	97.8	48.4	145.2

Manual Integrations
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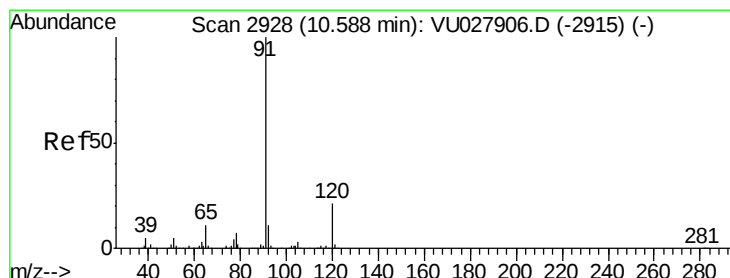
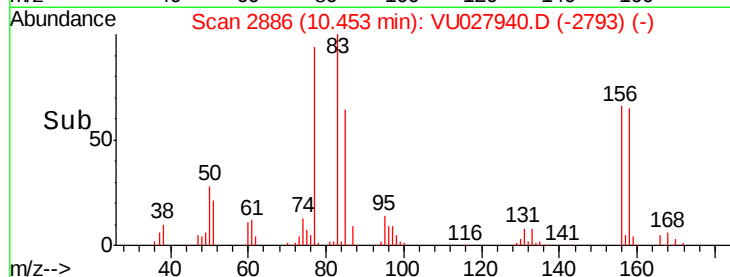
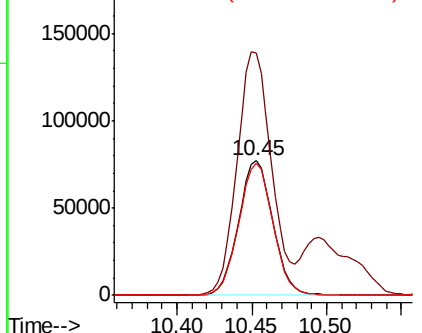
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.148 ug/l

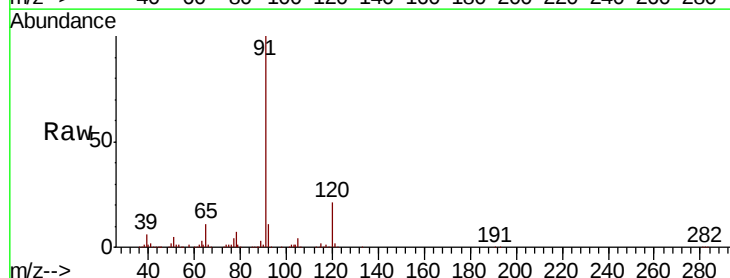
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027940.D

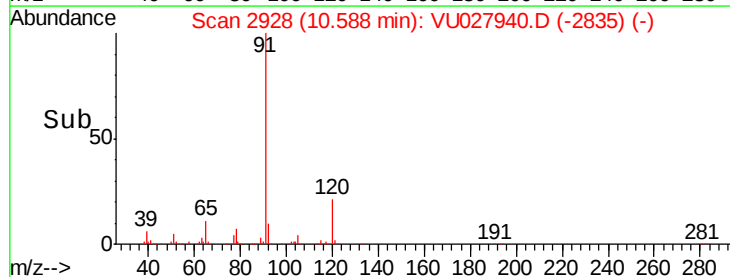
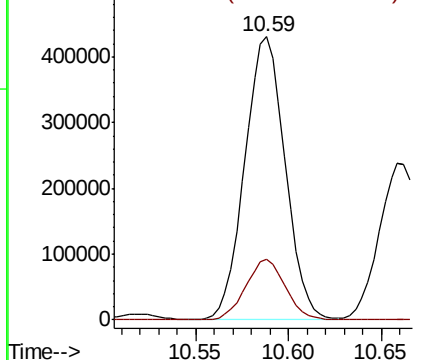
Acq: 05 Nov 2018 08:20

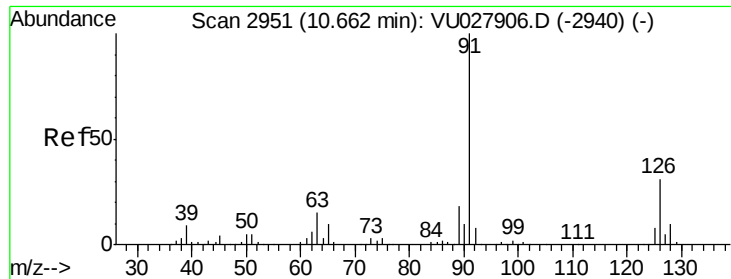
Tgt Ion:	91	Resp:	650757
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.466 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 376983

Ion Ratio Lower Upper

91 100

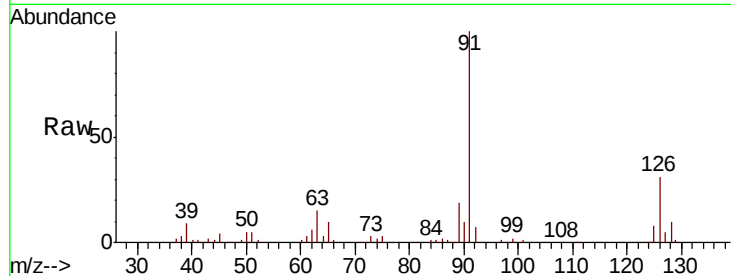
126 31.2 16.0 47.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

500000

400000

300000

200000

100000

0

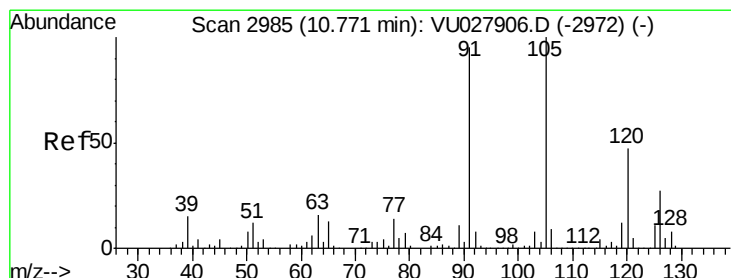
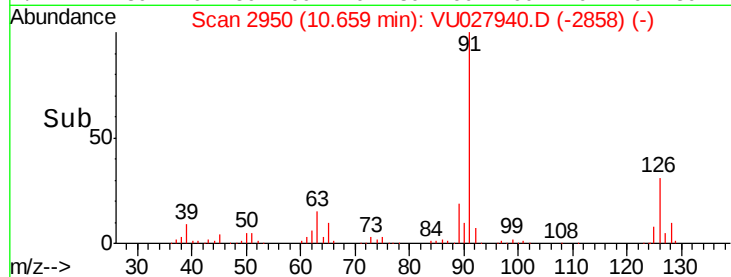
10.60

10.65

10.70

10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.612 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027940.D

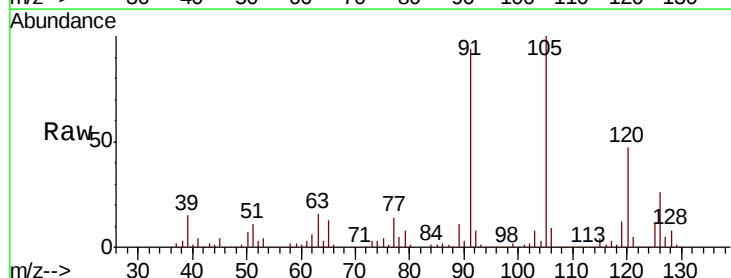
Acq: 05 Nov 2018 08:20

Tgt Ion: 105 Resp: 445547

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

300000

200000

100000

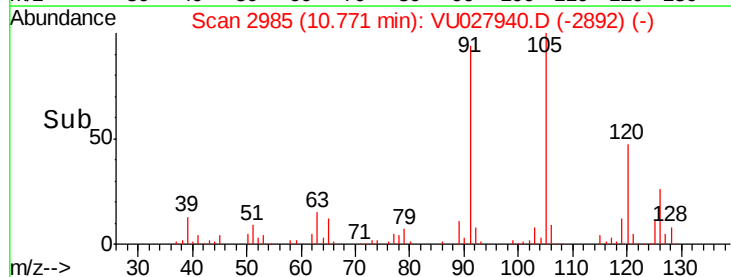
0

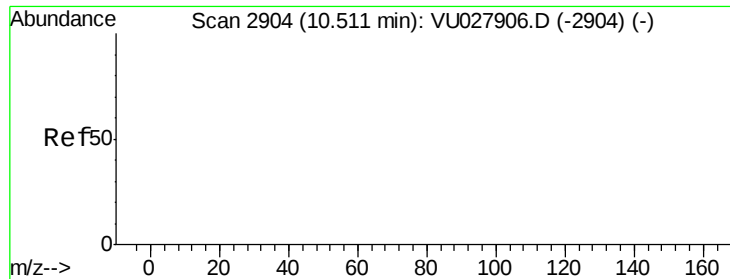
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.337 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 72550

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

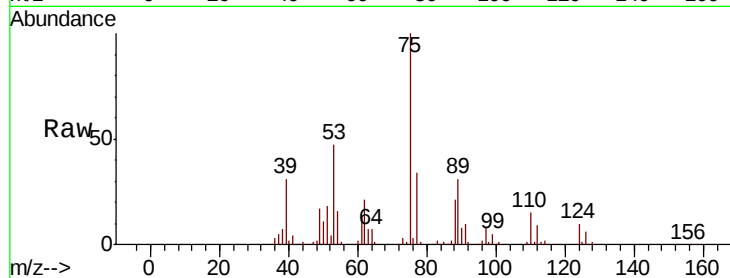
89 0.0 0.0 0.0

Manual Integrations

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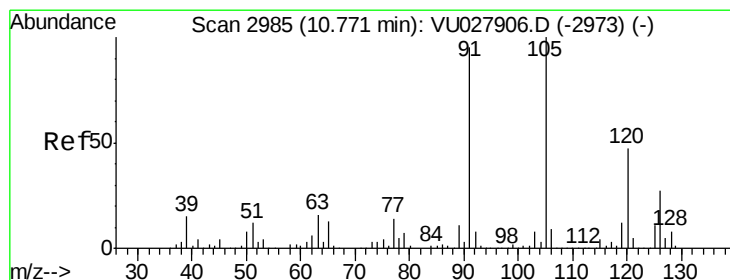
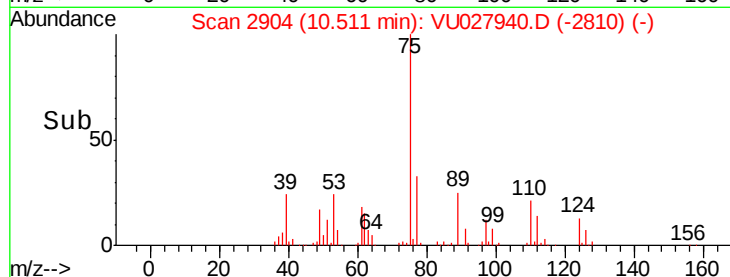
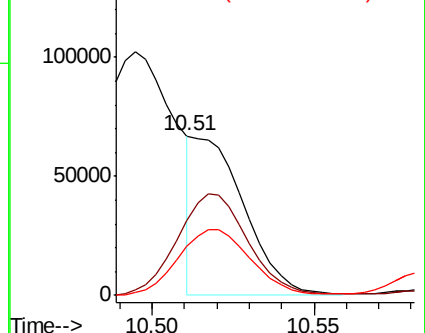
11/6/2018 12:06:39 PM



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU027906.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU027906.D (-2904) (-)



#82

4-Chlorotoluene

Concen: 49.016 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027940.D

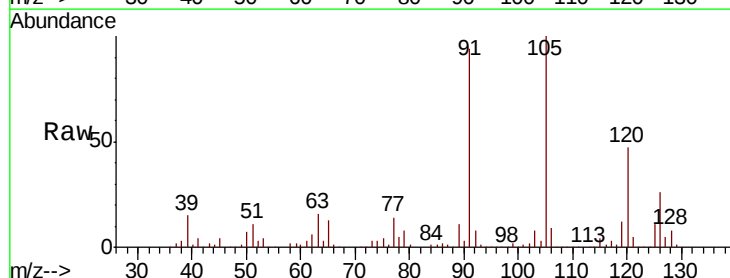
Acq: 05 Nov 2018 08:20

Tgt Ion: 91 Resp: 432835

Ion Ratio Lower Upper

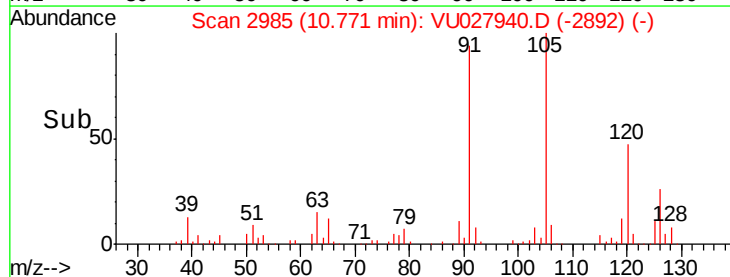
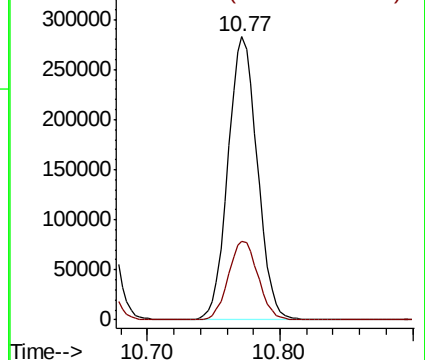
91 100

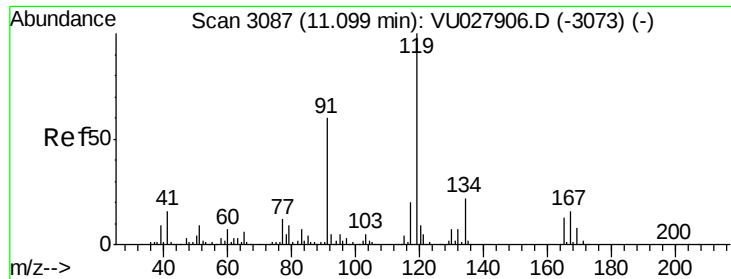
126 28.3 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2973) (-)





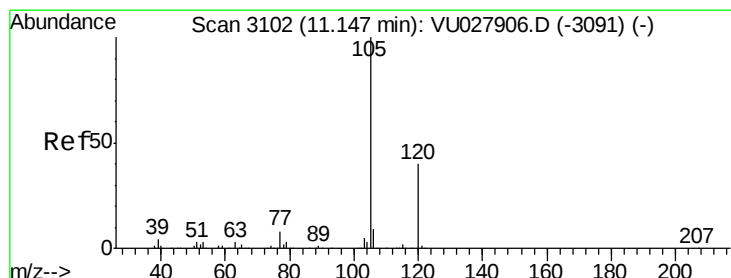
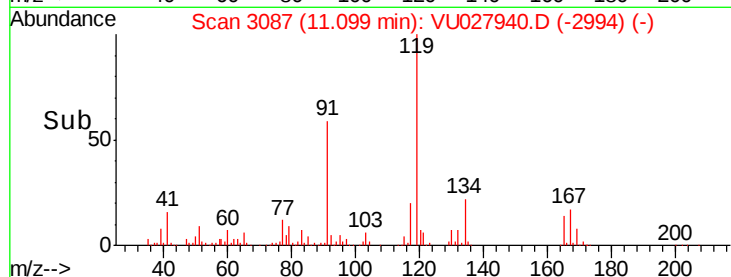
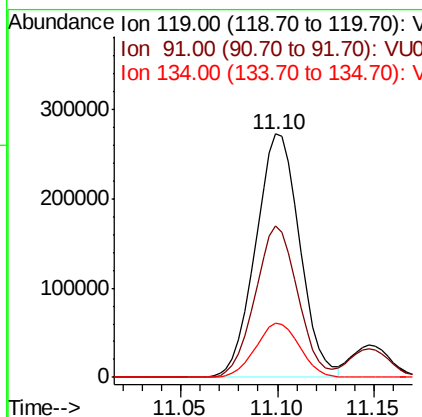
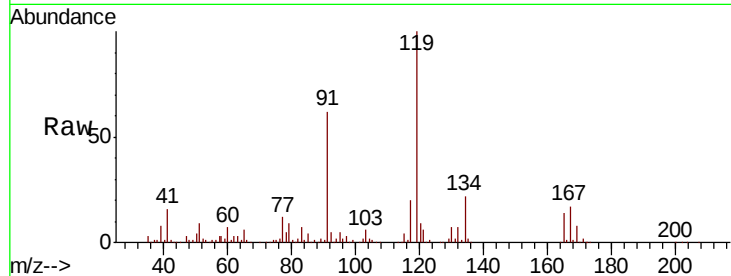
#83
tert-Butylbenzene
Concen: 48.096 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.8	89.3
134	22.1	11.1	33.1

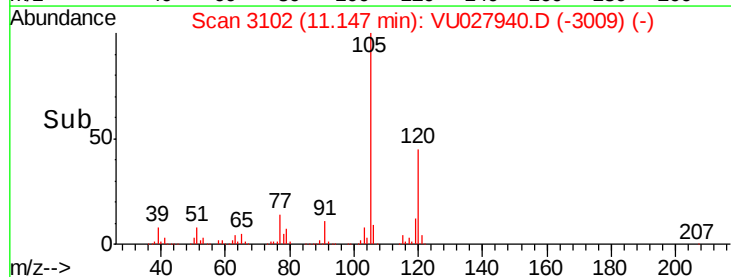
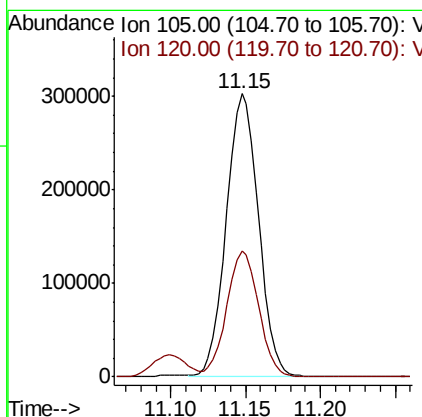
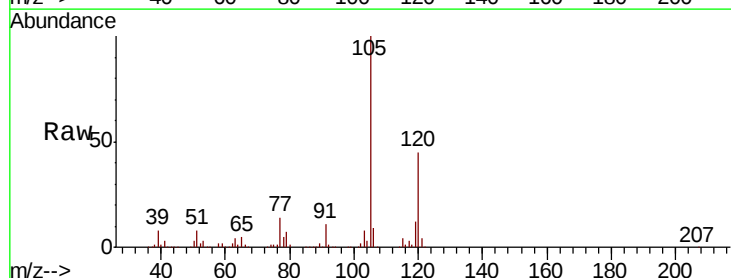
Manual Integrations
APPROVED

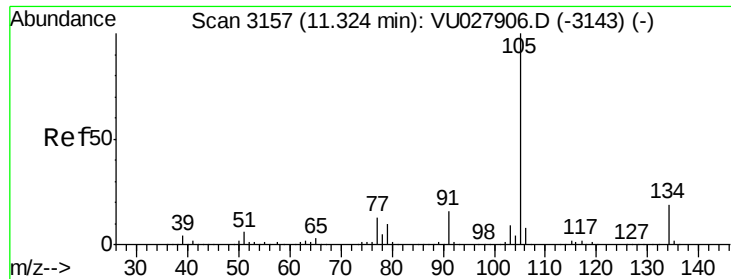
MMDadoda
11/6/2018 12:06:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.250 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 50.012 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 546076

Ion Ratio Lower Upper

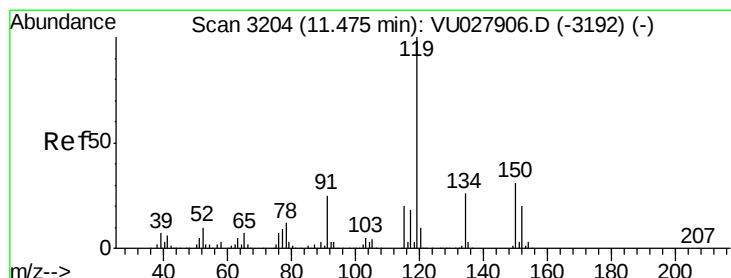
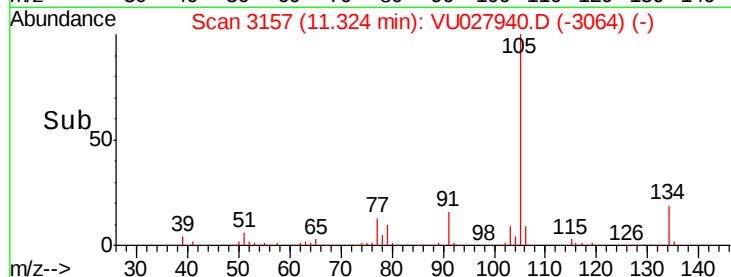
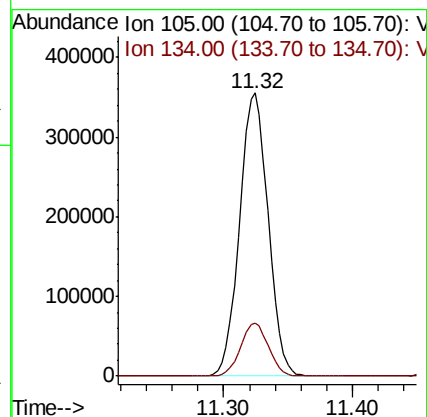
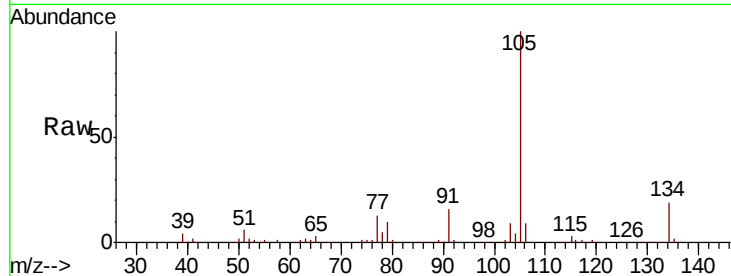
105 100

134 18.4 9.2 27.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.198 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

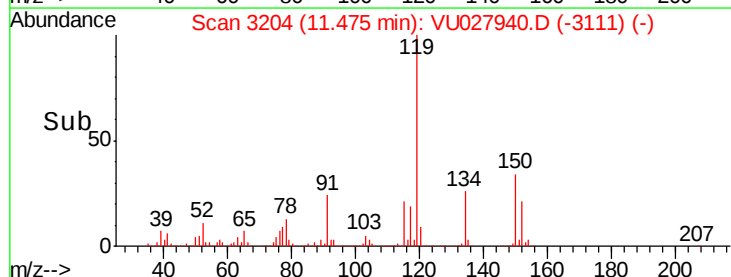
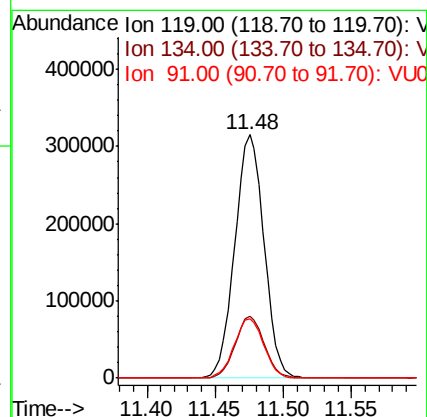
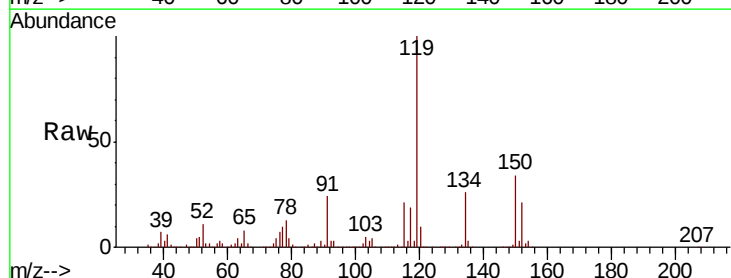
Tgt Ion:119 Resp: 467326

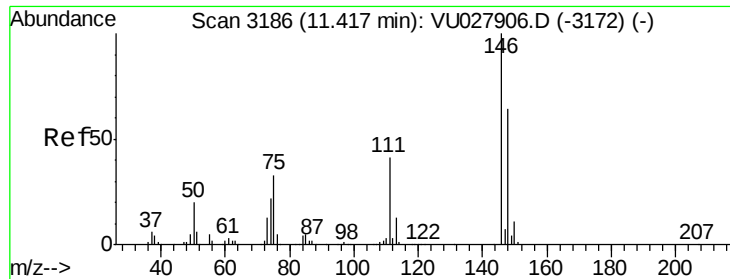
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.7 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.463 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Instrument :

MSVOA_U

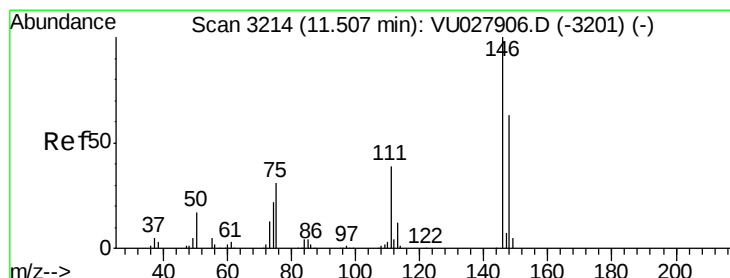
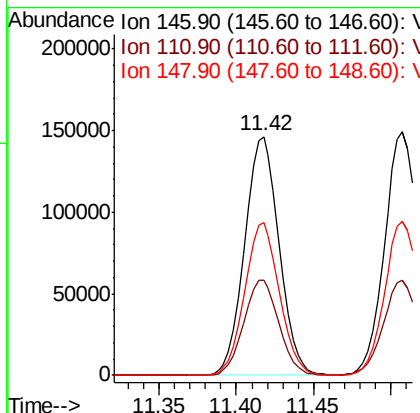
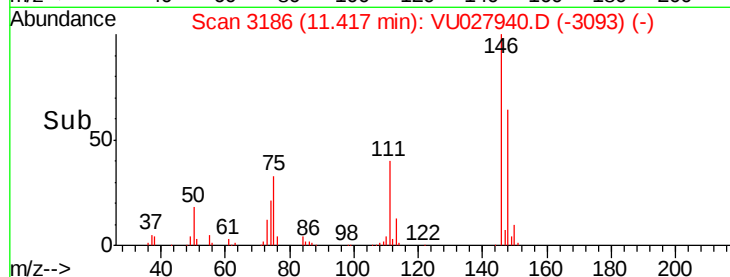
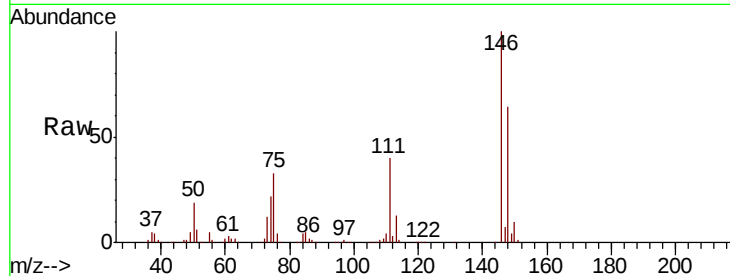
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	227140
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	61.0
148	64.4	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.073 ug/l

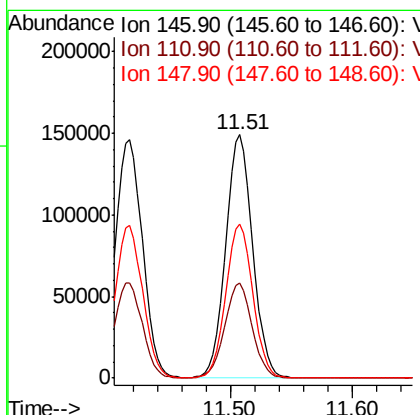
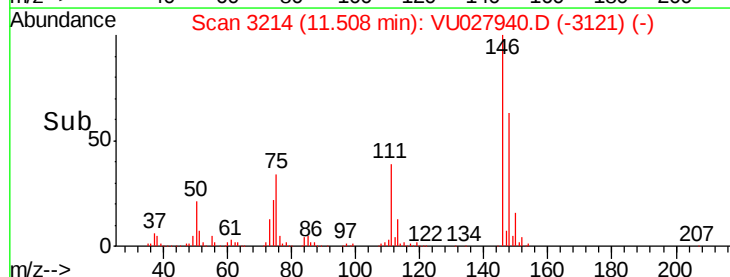
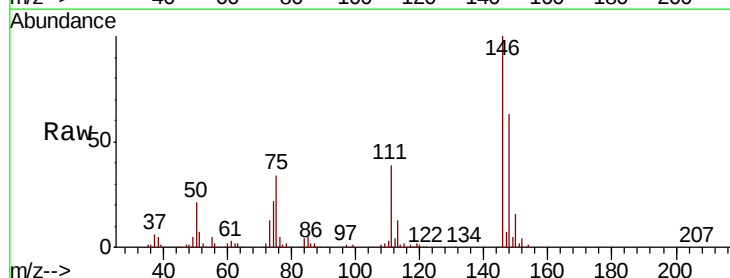
RT: 11.51 min Scan# 3214

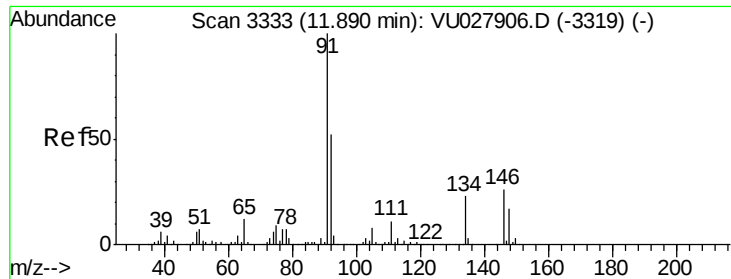
Delta R.T. 0.00 min

Lab File: VU027940.D

Acq: 05 Nov 2018 08:20

Tgt Ion:	146	Resp:	230975
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	64.0	32.0	96.2





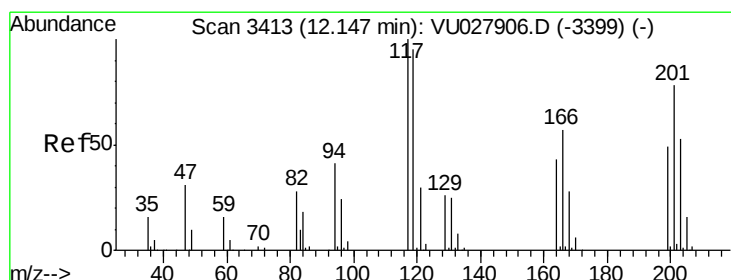
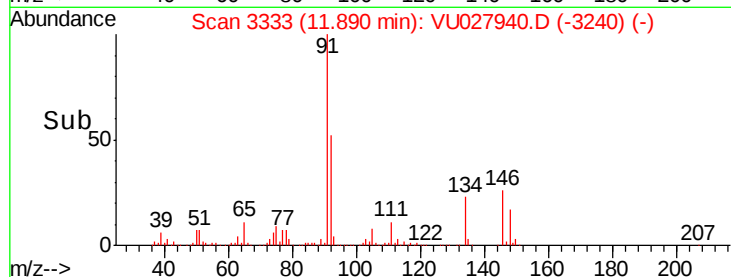
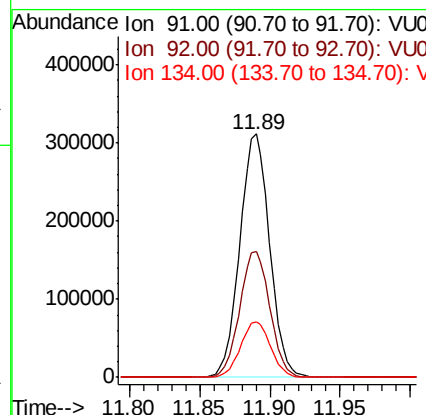
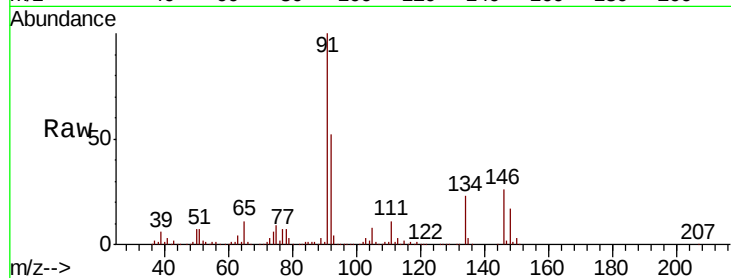
#89
n-Butylbenzene
Concen: 53.278 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	23.0	11.5	34.5

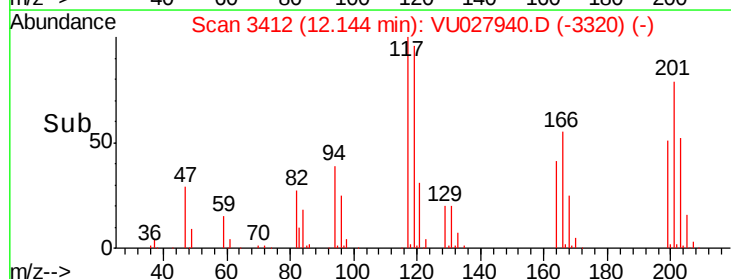
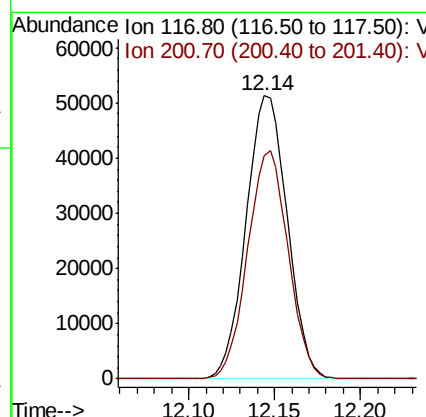
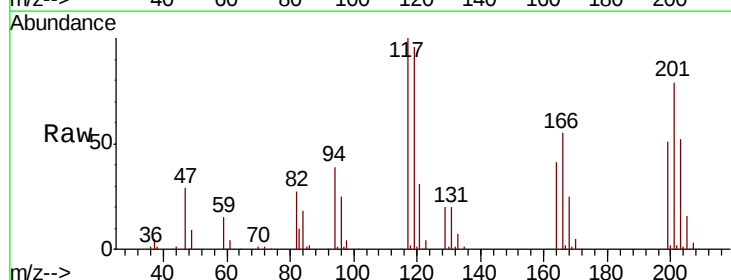
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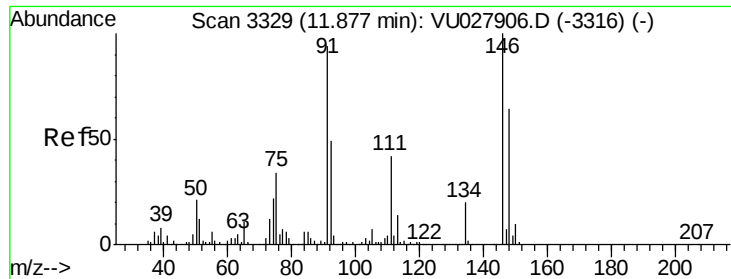
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#90
Hexachloroethane
Concen: 52.554 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	38.5	115.5





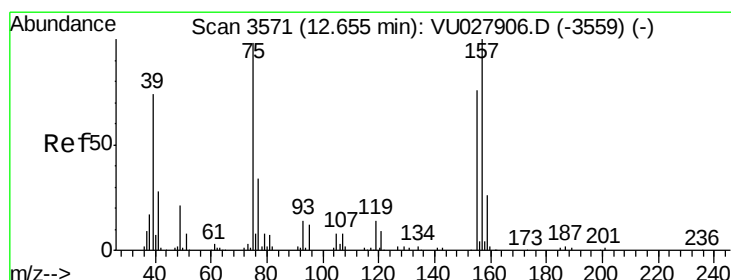
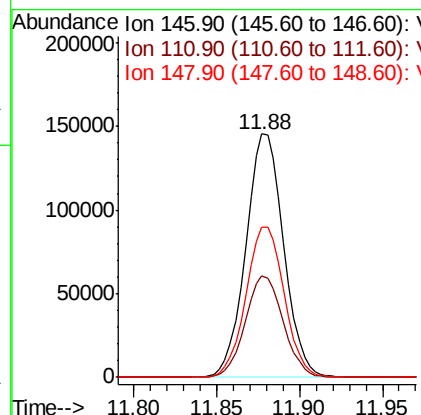
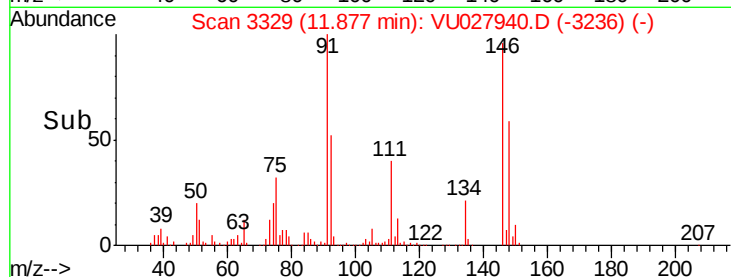
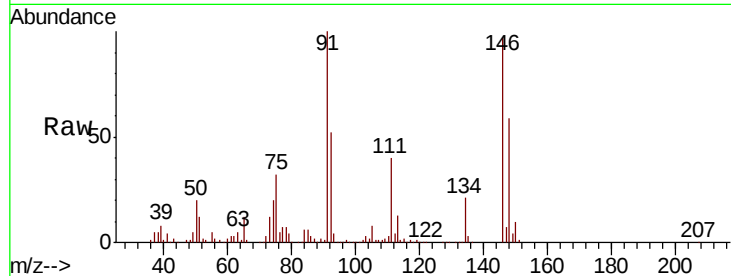
#91
 1,2-Dichlorobenzene
 Concen: 49.866 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	62.7	31.8	95.3

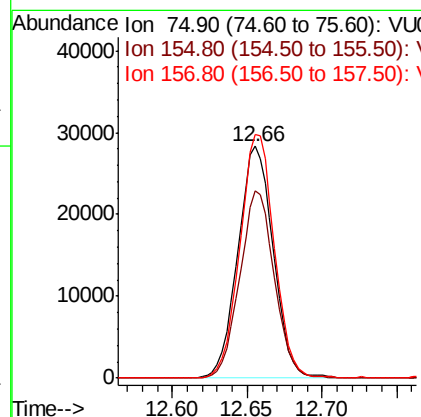
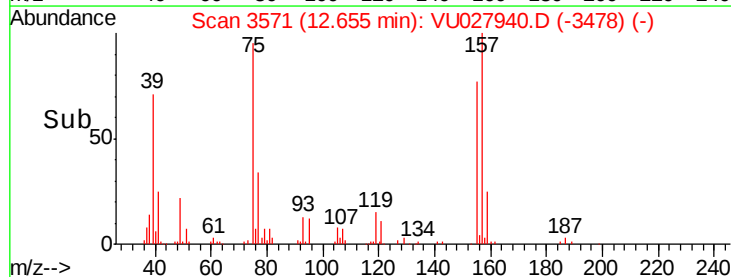
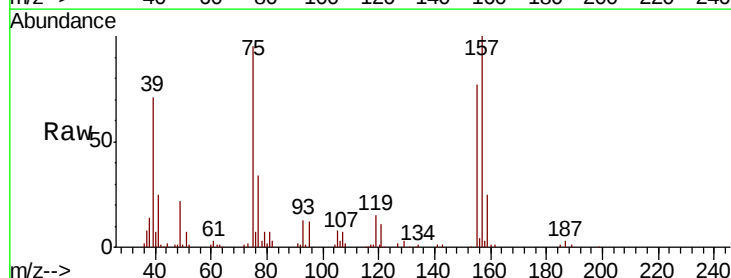
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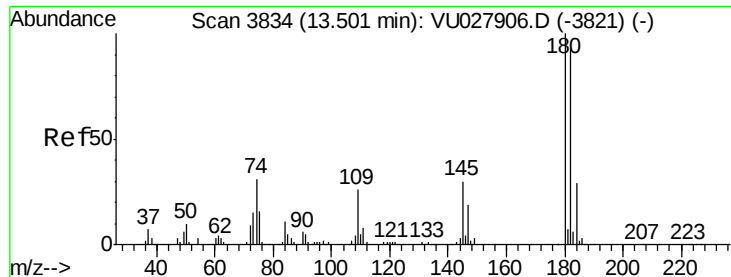
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.555 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	39.8	119.3
157	102.6	50.6	151.9





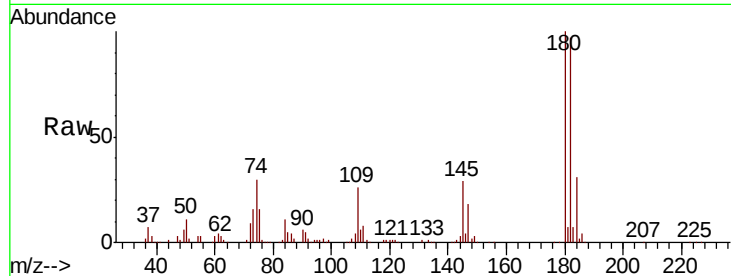
#93
 1,2,4-Trichlorobenzene
 Concen: 49.050 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158816		
182	96.1	48.4	145.2	
145	29.6	14.9	44.5	

Manual Integrations
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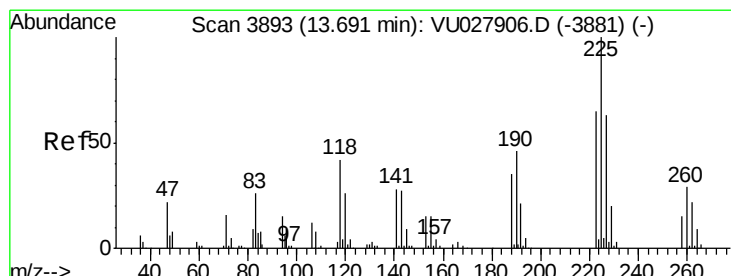
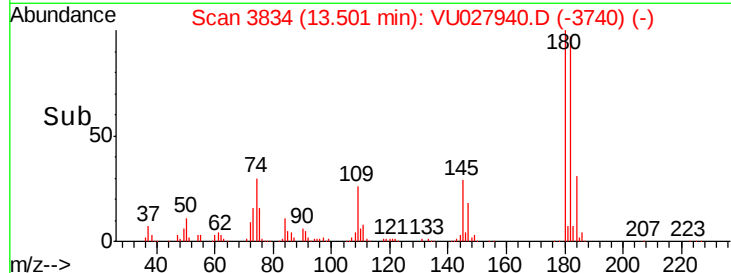
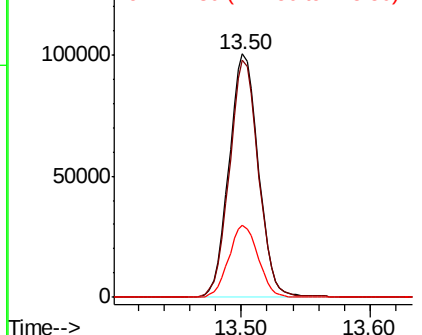


Abundance

Ion 179.80 (179.50 to 180.50): V

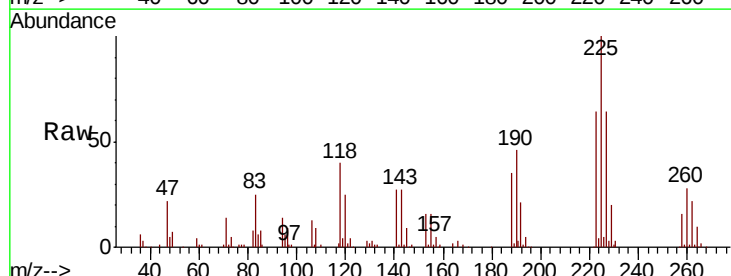
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.415 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027940.D
 Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78398		
223	63.6	32.2	96.6	
227	64.2	32.5	97.4	

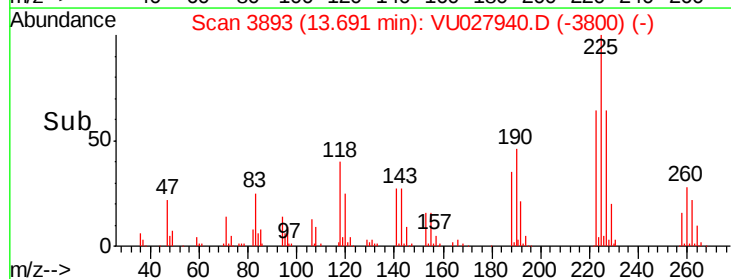
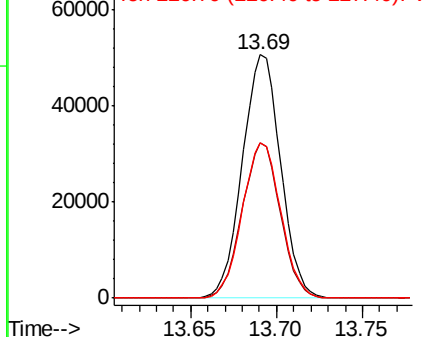


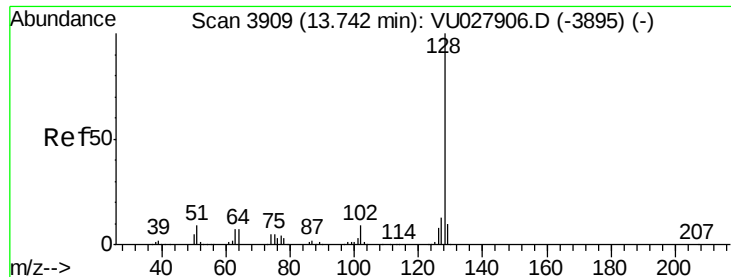
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





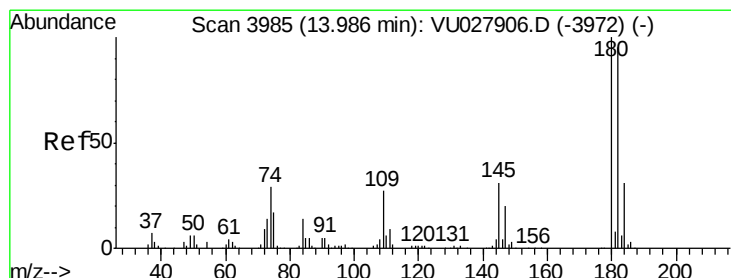
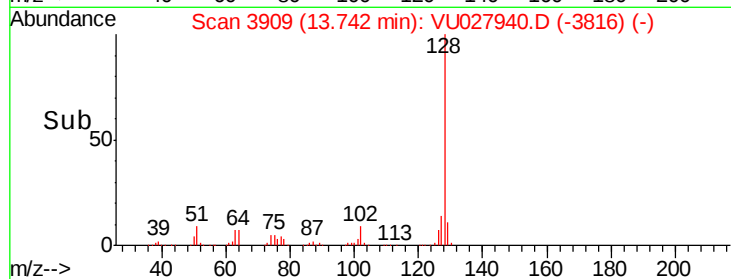
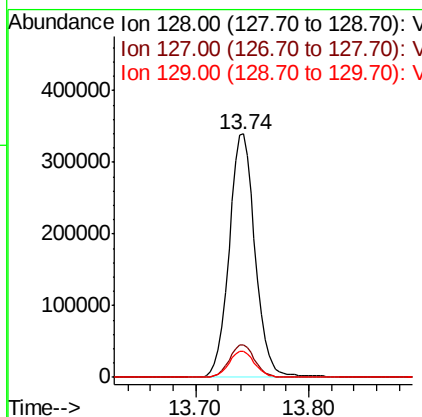
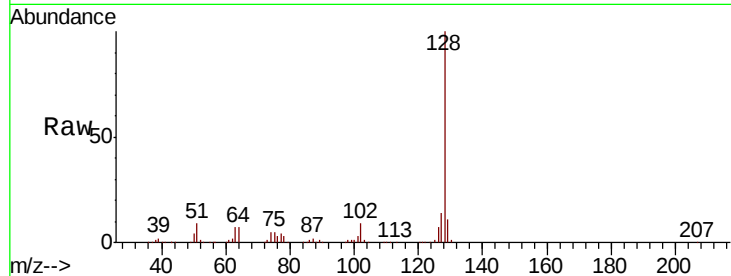
#95
Naphthalene
Concen: 47.137 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.5	8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 52.910 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027940.D
Acq: 05 Nov 2018 08:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.4	142.3
145	31.1	16.0	47.9

