

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110618\
 Data File : VU027970.D
 Acq On : 06 Nov 2018 08:21
 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 5:42:40 PM

Quant Time: Nov 06 10:18:45 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	221179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	376253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	347614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	176044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141535	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
35) Dibromofluoromethane	4.88	113	110193	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
50) Toluene-d8	7.57	98	419427	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
62) 4-Bromofluorobenzene	10.31	95	159649	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	111639	39.723	ug/l	99
3) Chloromethane	1.33	50	151655	44.617	ug/l	100
4) Vinyl Chloride	1.41	62	147130	43.613	ug/l	99
5) Bromomethane	1.62	94	69696	50.116	ug/l	97
6) Chloroethane	1.69	64	88384	45.463	ug/l	98
7) Trichlorofluoromethane	1.88	101	175111	44.920	ug/l	96
8) Diethyl Ether	2.11	74	79908	47.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	107560	46.446	ug/l	97
10) Methyl Iodide	2.41	142	97283	46.402	ug/l	98
11) Tert butyl alcohol	2.83	59	183491	210.777	ug/l	99
12) 1,1-Dichloroethene	2.29	96	100977	43.561	ug/l	98
13) Acrolein	2.20	56	97546	306.145	ug/l	99
14) Allyl chloride	2.59	41	244662	43.185	ug/l	98
15) Acrylonitrile	2.94	53	497690	232.738	ug/l	100
16) Acetone	2.32	43	500068	245.103	ug/l	100
17) Carbon Disulfide	2.48	76	321562	42.440	ug/l	99
18) Methyl Acetate	2.61	43	248916	44.351	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	437352	46.785	ug/l	99
20) Methylene Chloride	2.70	84	135607	45.523	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	118470	44.285	ug/l	98
22) Diisopropyl ether	3.57	45	530385	45.345	ug/l	99
23) Vinyl Acetate	3.52	43	2337381	232.521	ug/l	99
24) 1,1-Dichloroethane	3.45	63	261581	44.899	ug/l	99
25) 2-Butanone	4.26	43	766765	236.231	ug/l	99
26) 2,2-Dichloropropane	4.23	77	209315	47.875	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	140561	46.855	ug/l	99
28) Bromochloromethane	4.55	49	126681	46.382	ug/l	97
29) Tetrahydrofuran	4.64	42	471795	217.681	ug/l	98
30) Chloroform	4.68	83	238428	44.633	ug/l	98
31) Cyclohexane	5.00	56	252855	44.025	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	199178	46.840	ug/l	99
36) 1,1-Dichloropropene	5.14	75	182521	46.318	ug/l	99
37) Ethyl Acetate	4.38	43	263616	45.656	ug/l	99
38) Carbon Tetrachloride	5.14	117	163858	46.921	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	227394	47.844	ug/l	98
40) Benzene	5.39	78	564214	46.831	ug/l	99
41) Methacrylonitrile	4.54	41	151352	49.119	ug/l	98
42) 1,2-Dichloroethane	5.40	62	195535	45.659	ug/l	99
43) Isopropyl Acetate	5.55	43	421506	46.596	ug/l	99
44) Trichloroethene	6.19	130	125565	48.485	ug/l	96
45) 1,2-Dichloropropane	6.43	63	165264	47.564	ug/l	99
46) Dibromomethane	6.56	93	96157	48.146	ug/l	98
47) Bromodichloromethane	6.76	83	185659	48.238	ug/l	97
48) Methyl methacrylate	6.62	41	213582	48.181	ug/l	98
49) 1,4-Dioxane	6.61	88	66844	924.239	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1395696	231.029	ug/l	99
52) Toluene	7.64	92	343278	48.465	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	226374	47.486	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	243136	51.244	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	137383	47.675	ug/l	96
56) Ethyl methacrylate	8.02	69	250465	49.287	ug/l	99
57) 1,3-Dichloropropane	8.24	76	250497	47.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	673229	247.358	ug/l	99
59) 2-Hexanone	8.36	43	1119643	239.626	ug/l	98
60) Dibromochloromethane	8.48	129	139955	51.325	ug/l	99
61) 1,2-Dibromoethane	8.59	107	149166	48.716	ug/l	99
64) Tetrachloroethene	8.23	164	104751	46.473	ug/l	99
65) Chlorobenzene	9.12	112	356718	48.572	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	125971	50.217	ug/l	98
67) Ethyl Benzene	9.25	91	667357	49.367	ug/l	98
68) m/p-Xylenes	9.38	106	484793	98.838	ug/l	98
69) o-Xylene	9.78	106	241176	48.693	ug/l	99
70) Styrene	9.79	104	401365	50.716	ug/l	99
71) Bromoform	9.96	173	109012	51.853	ug/l #	98
73) Isopropylbenzene	10.17	105	647441	47.473	ug/l	99
74) N-amyl acetate	10.01	43	391284	47.448	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	249838	45.416	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	261345m	54.274	ug/l	
77) Bromobenzene	10.45	156	151062	48.306	ug/l	100
78) n-propylbenzene	10.59	91	803686	49.232	ug/l	100
79) 2-Chlorotoluene	10.66	91	459292	46.938	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	544382	48.186	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	104376m	54.098	ug/l	
82) 4-Chlorotoluene	10.77	91	538341	48.461	ug/l	99
83) tert-Butylbenzene	11.10	119	533174	47.207	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	553976	48.696	ug/l	100
85) sec-Butylbenzene	11.32	105	685795	49.928	ug/l	100
86) p-Isopropyltoluene	11.48	119	577313	50.277	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283468	49.070	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	287565	48.567	ug/l	99
89) n-Butylbenzene	11.89	91	583554	53.474	ug/l	100
90) Hexachloroethane	12.15	117	100280	49.052	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	284927	49.046	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56998	49.172	ug/l	98

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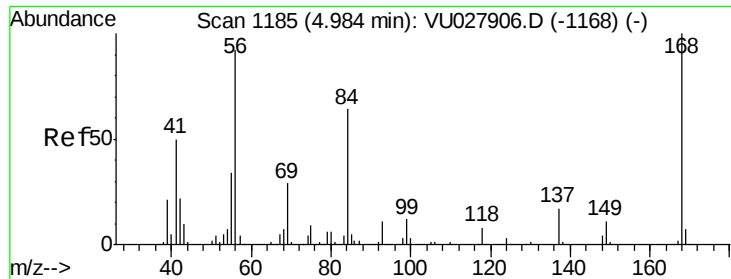
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	205189	50.358	ug/l	99
94) Hexachlorobutadiene	13.69	225	96781	52.418	ug/l	99
95) Naphthalene	13.74	128	700022	48.471	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	206202	52.896	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 221179

Ion Ratio Lower Upper

168 100

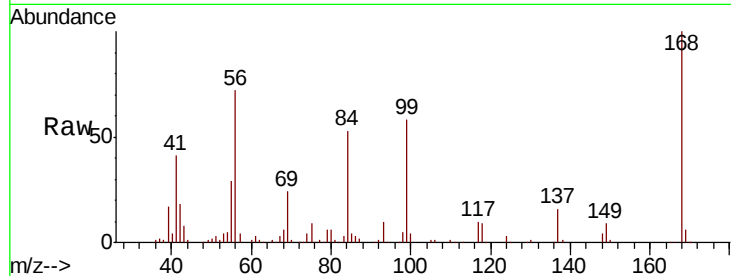
99 57.7 47.9 71.9

Manual Integrations

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

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

120000

100000

80000

60000

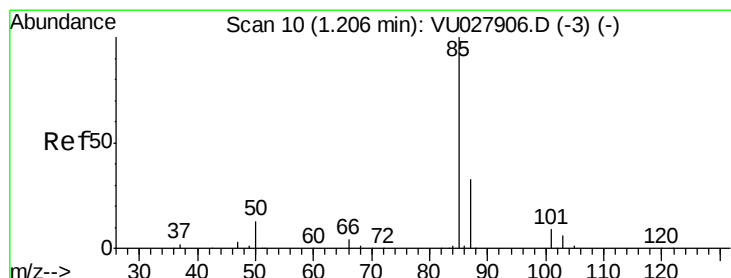
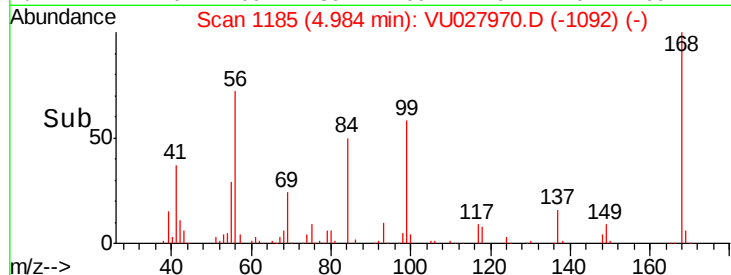
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.723 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027970.D

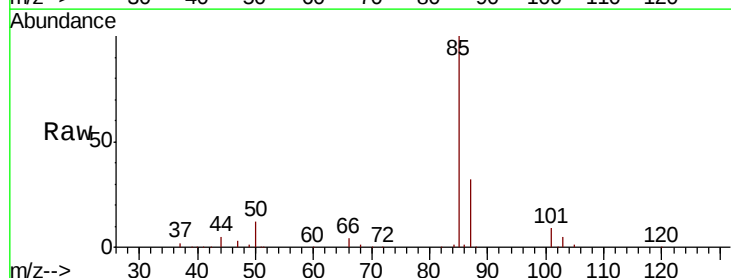
Acq: 06 Nov 2018 08:21

Tgt Ion: 85 Resp: 111639

Ion Ratio Lower Upper

85 100

87 32.4 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) (-)

120000

100000

80000

60000

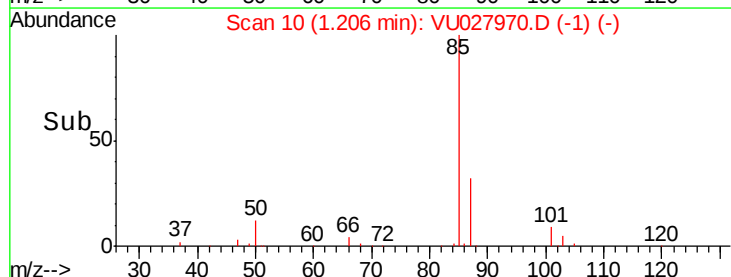
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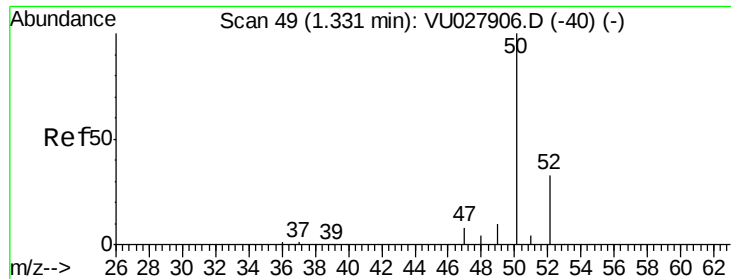
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.617 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 151655

Ion Ratio Lower Upper

50 100

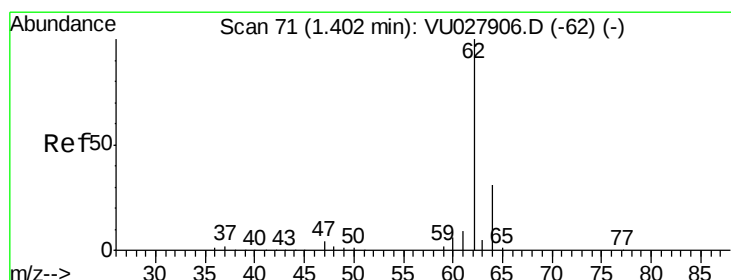
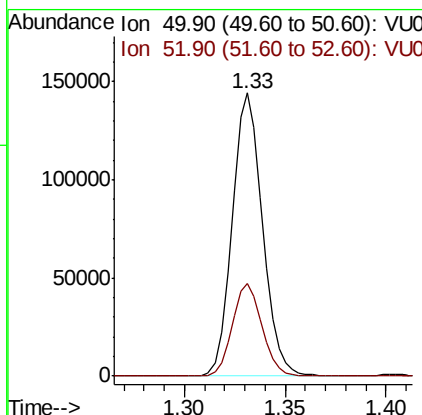
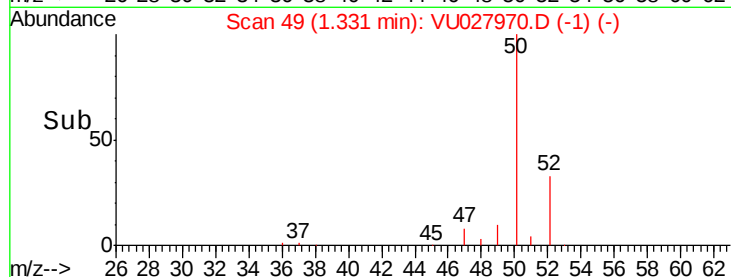
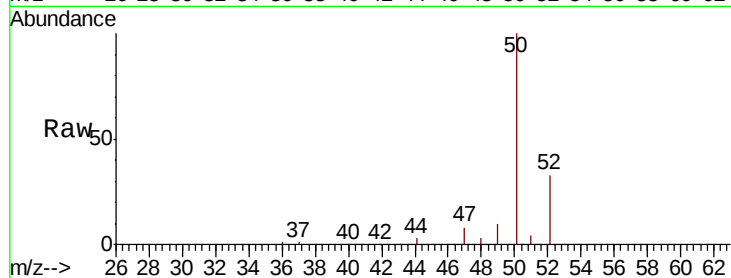
52 32.6 26.2 39.4

Manual Integrations

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11/6/2018 5:42:40 PM



#4

Vinyl Chloride

Concen: 43.613 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027970.D

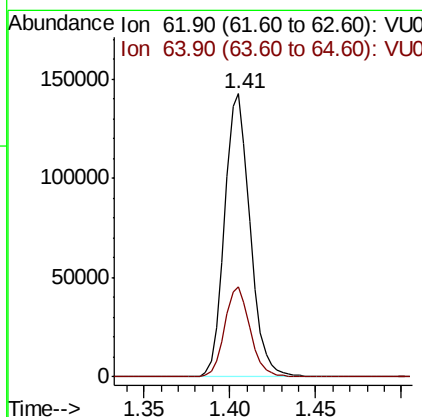
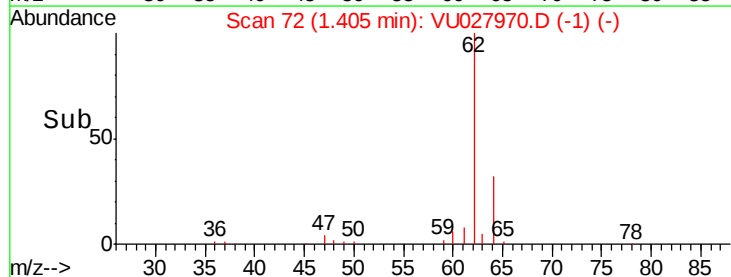
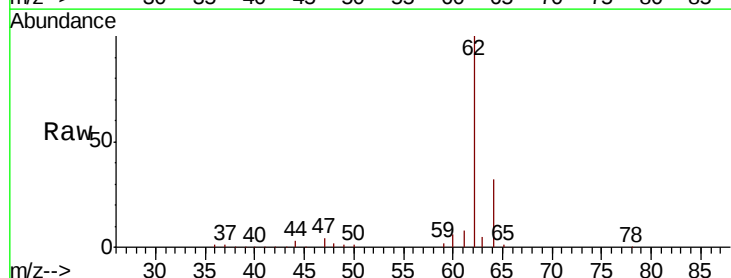
Acq: 06 Nov 2018 08:21

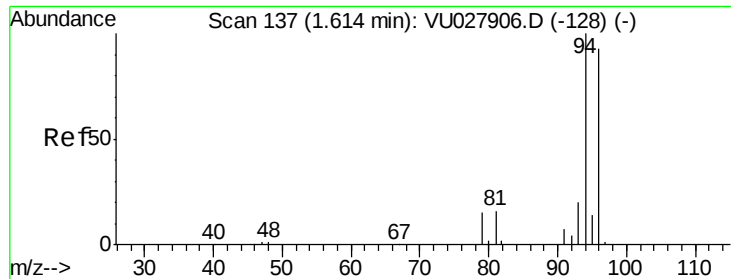
Tgt Ion: 62 Resp: 147130

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 50.116 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69696

Ion Ratio Lower Upper

94 100

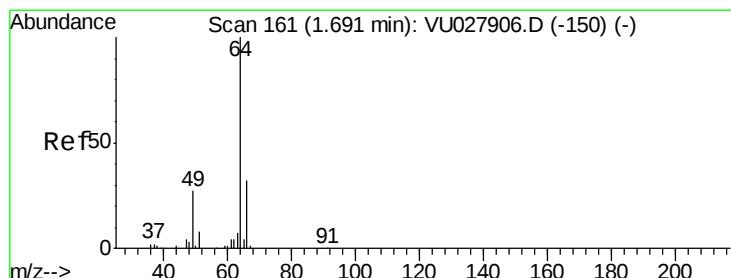
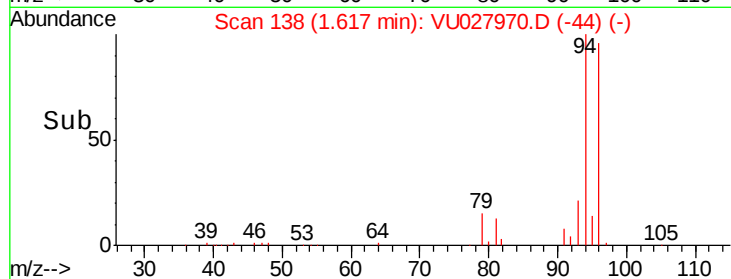
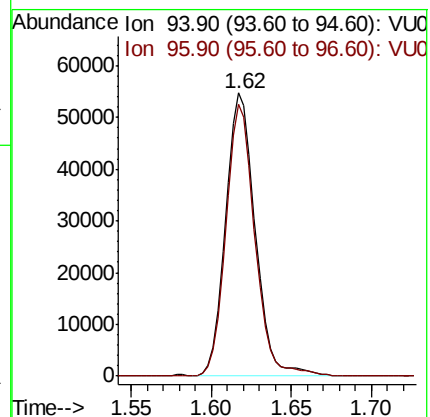
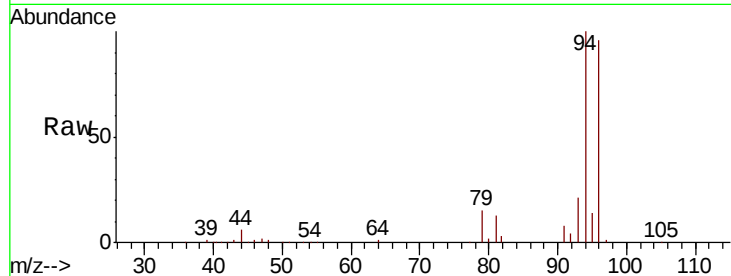
96 96.1 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 45.463 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027970.D

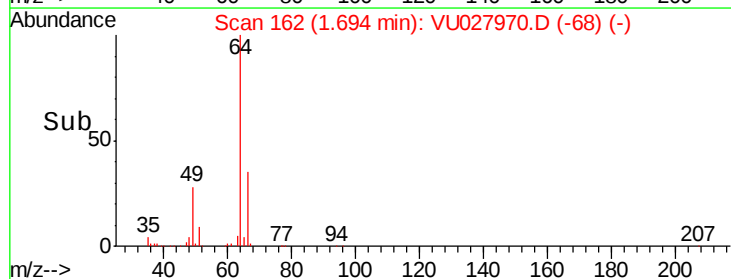
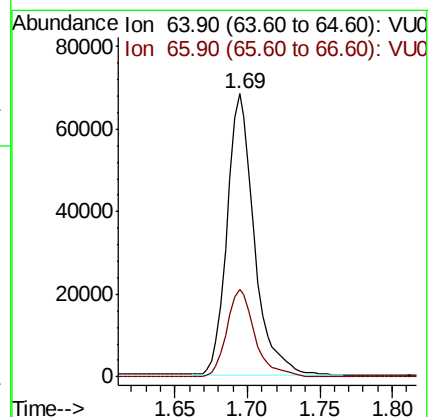
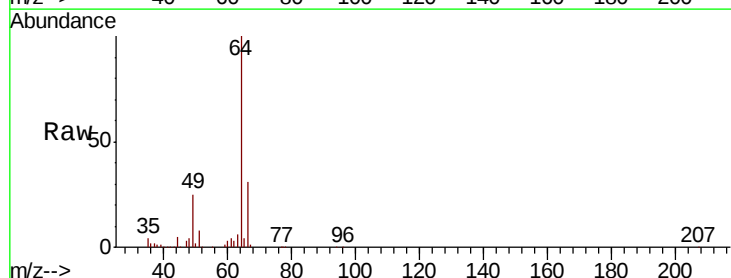
Acq: 06 Nov 2018 08:21

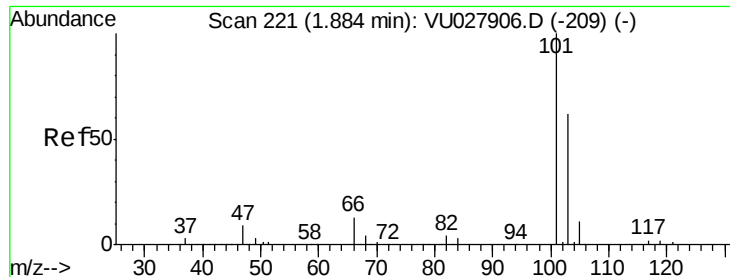
Tgt Ion: 64 Resp: 88384

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9





#7

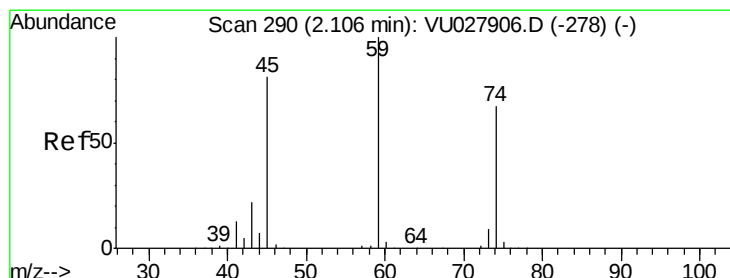
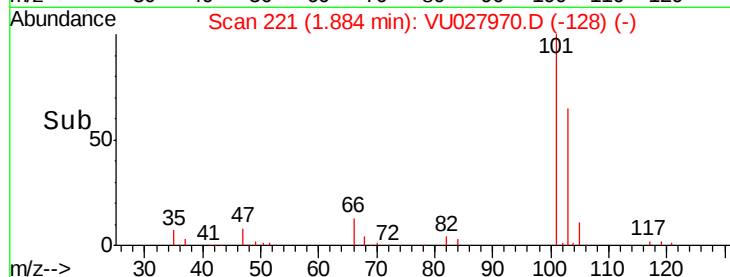
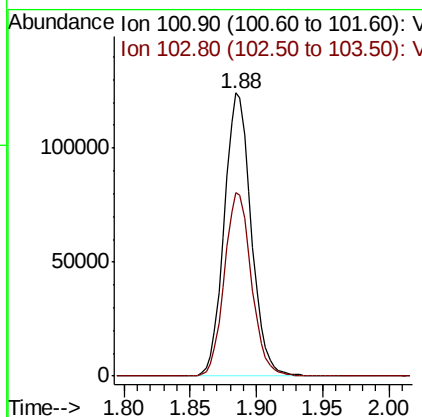
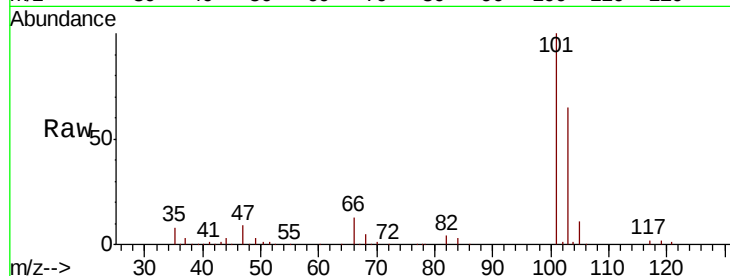
Trichlorofluoromethane
Concen: 44.920 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.4	74.2

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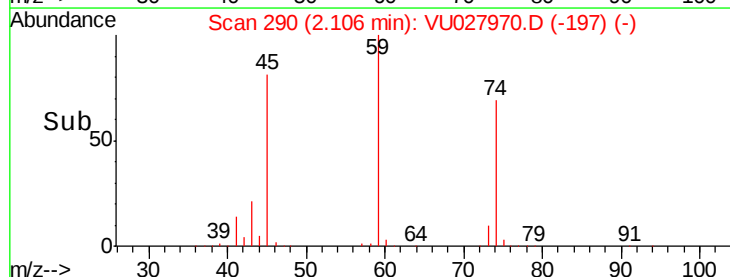
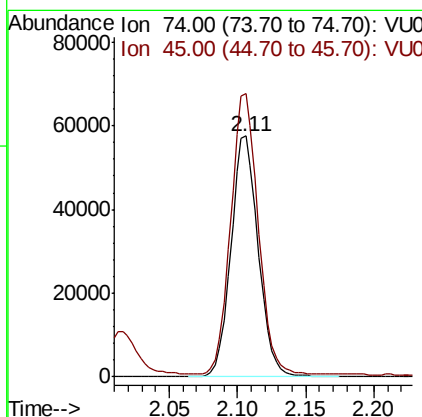
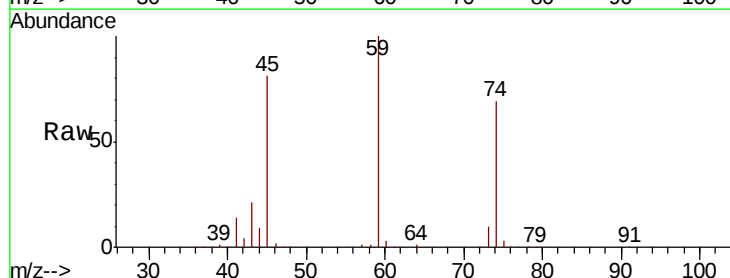
MMDadoda
11/6/2018 5:42:40 PM

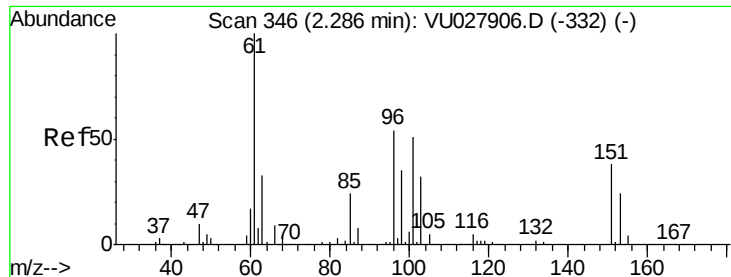


#8

Diethyl Ether
Concen: 47.872 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.446 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

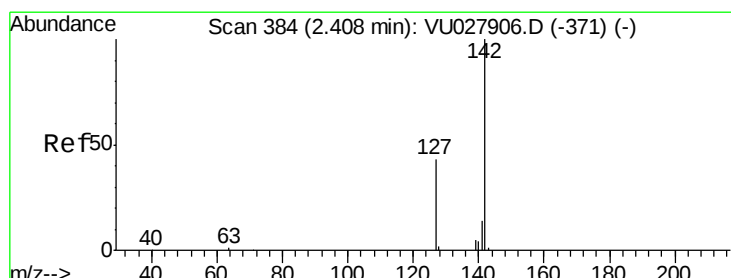
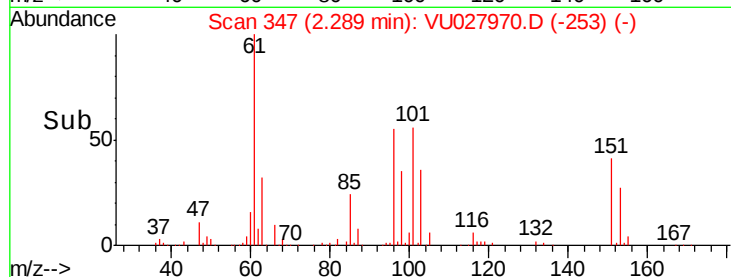
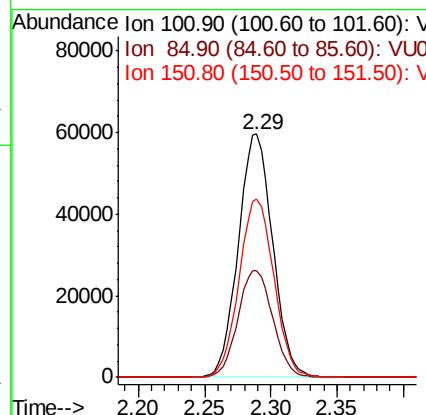
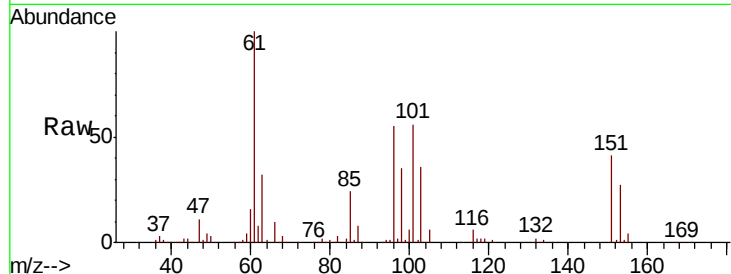
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	107560
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.9	55.3
151	74.5	58.0	87.0

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 46.402 ug/l

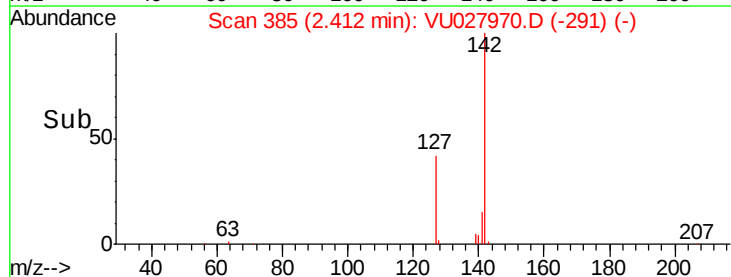
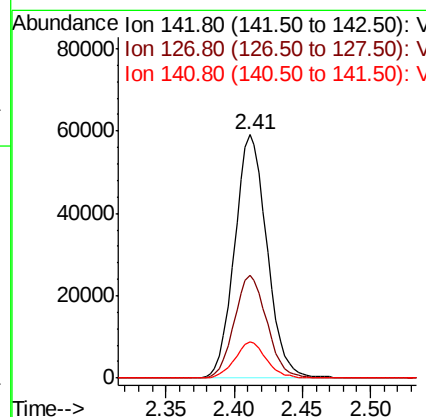
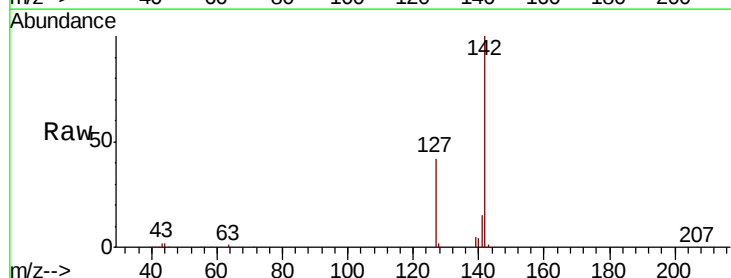
RT: 2.41 min Scan# 385

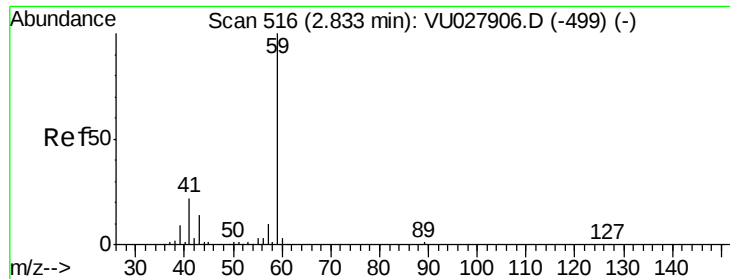
Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	142	Resp:	97283
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.2	52.8
141	14.3	11.8	17.8





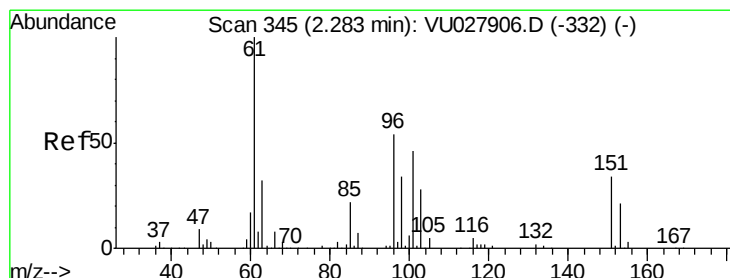
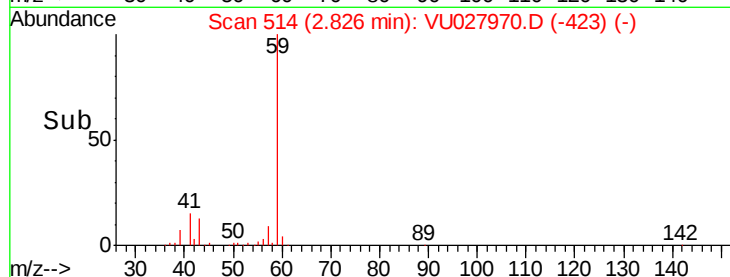
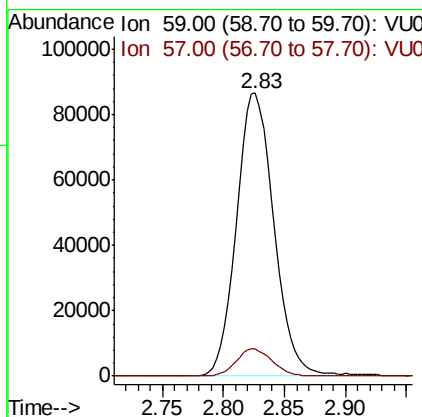
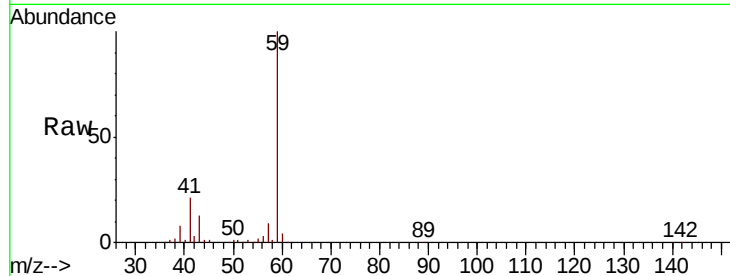
#11
Tert butyl alcohol
Concen: 210.777 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.8

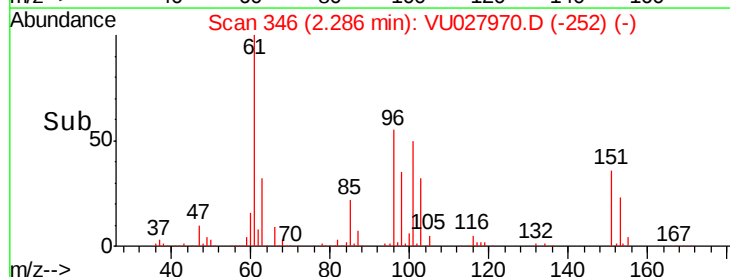
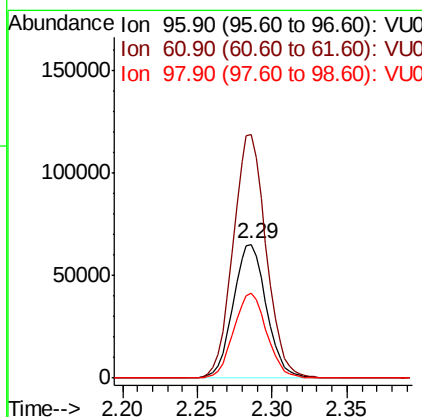
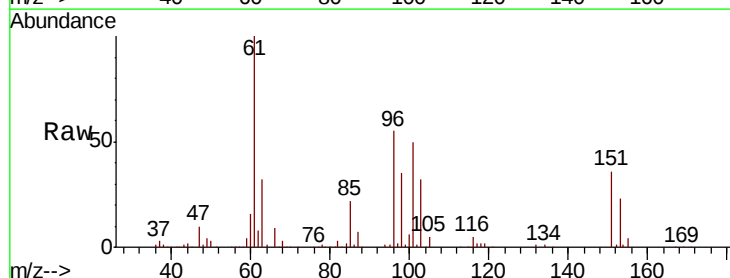
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#12
1,1-Dichloroethene
Concen: 43.561 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.1	149.3	223.9
98	63.2	50.6	75.8





#13

Acrolein

Concen: 306.145 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 97546

Ion Ratio Lower Upper

56 100

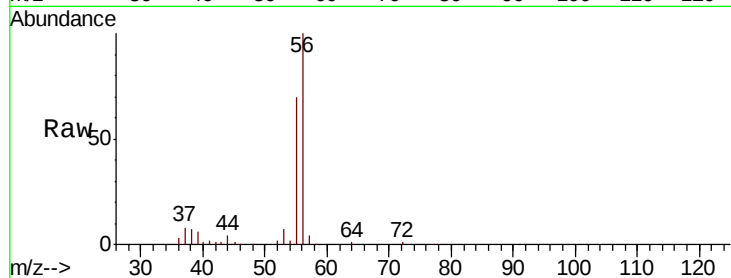
55 69.8 56.2 84.4

Manual Integrations

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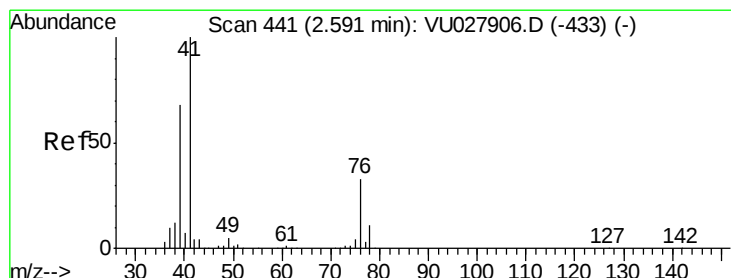
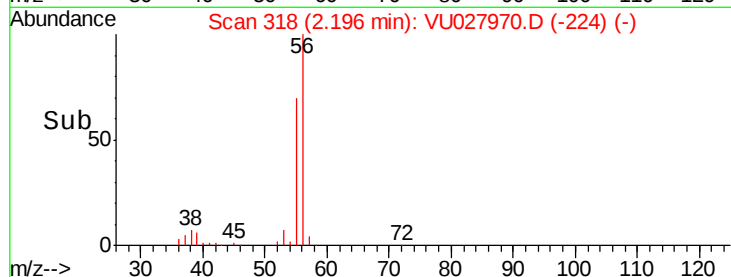
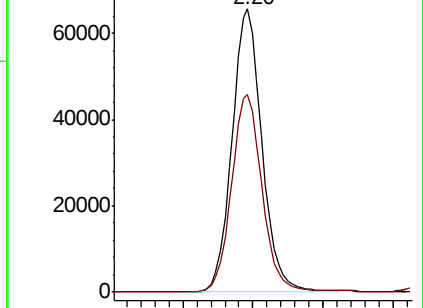
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Abundance Ion 56.00 (55.70 to 56.70): VU027970.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027970.D (-224) (-)



#14

Allyl chloride

Concen: 43.185 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

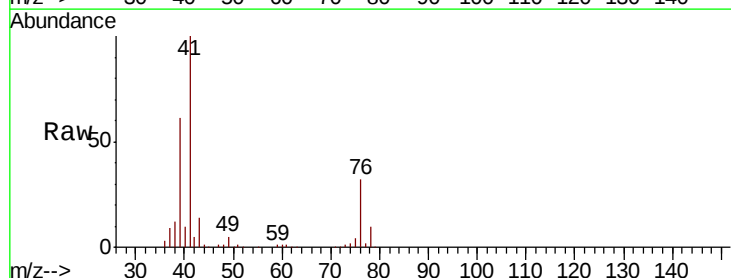
Tgt Ion: 41 Resp: 244662

Ion Ratio Lower Upper

41 100

39 63.5 51.9 77.9

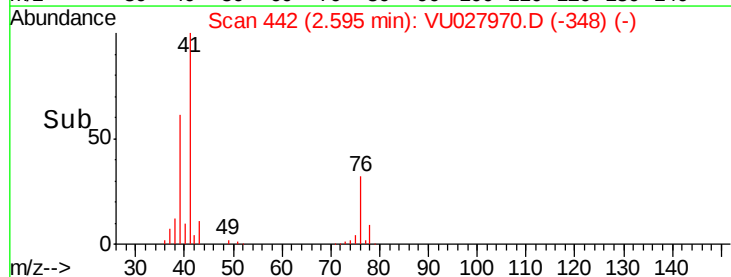
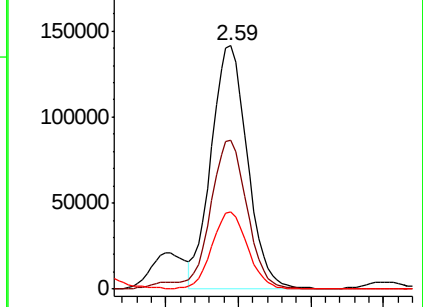
76 30.9 23.8 35.6

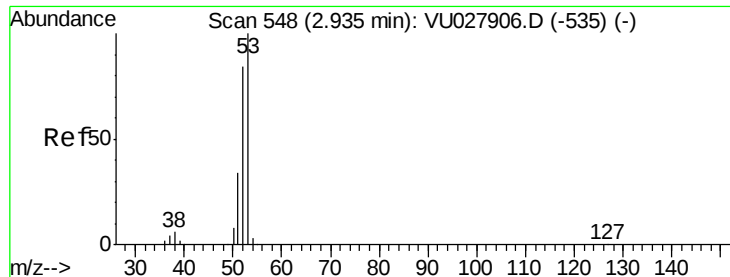


Abundance Ion 41.00 (40.70 to 41.70): VU027970.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU027970.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027970.D (-348) (-)





#15

Acrylonitrile

Concen: 232.738 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

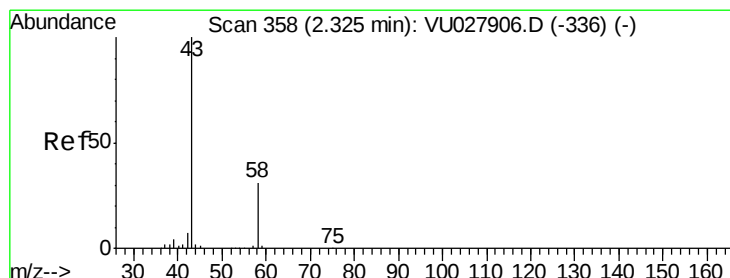
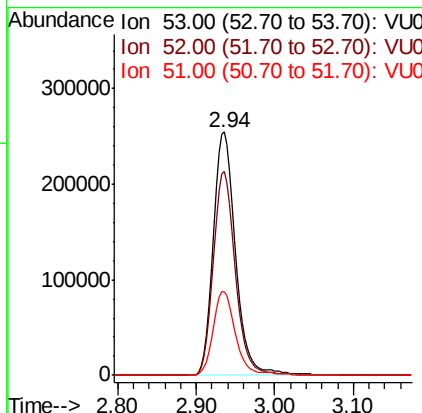
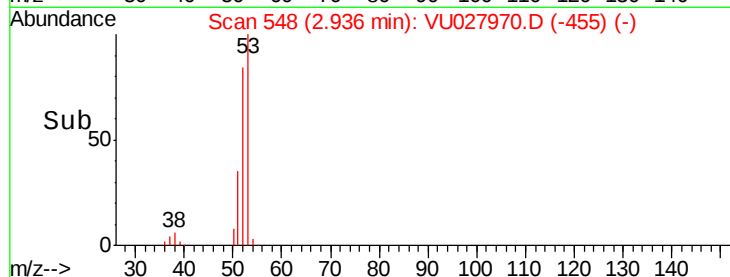
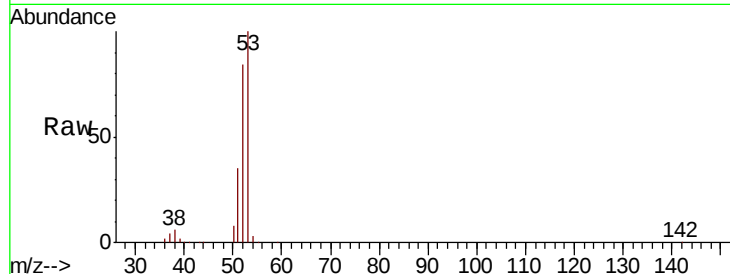
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	497690
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	33.7	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 245.103 ug/l

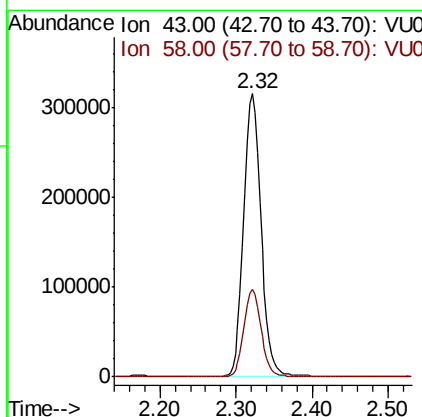
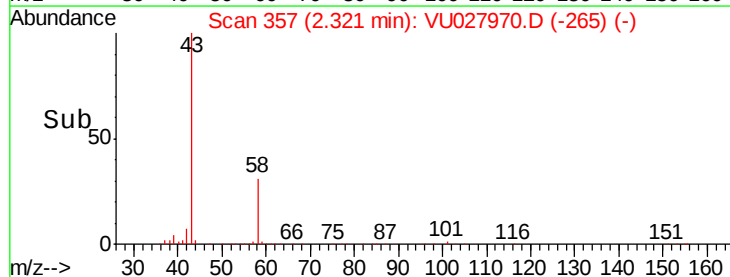
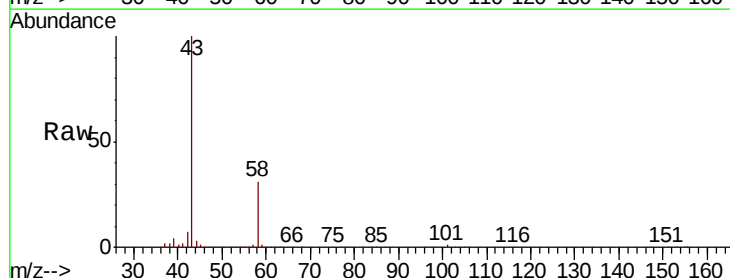
RT: 2.32 min Scan# 357

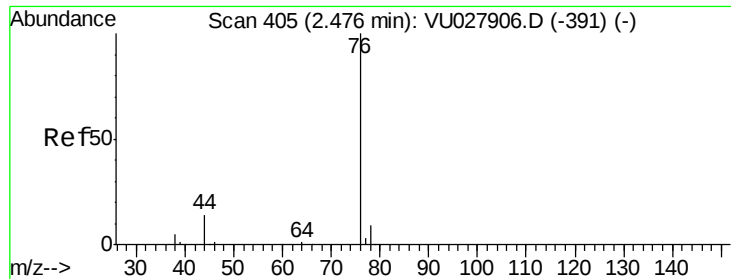
Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	43	Resp:	500068
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	37.0





#17

Carbon Disulfide

Concen: 42.440 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 321562

Ion Ratio Lower Upper

76 100

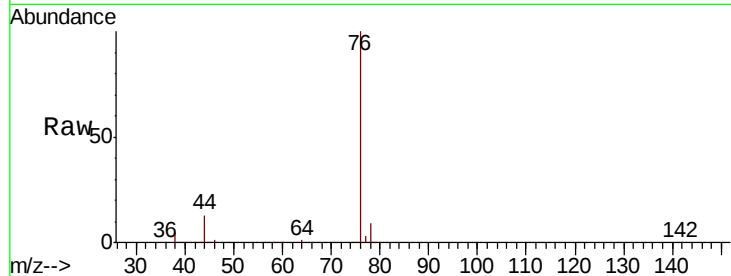
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU027970.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027970.D (-312) (-)

2.48

200000

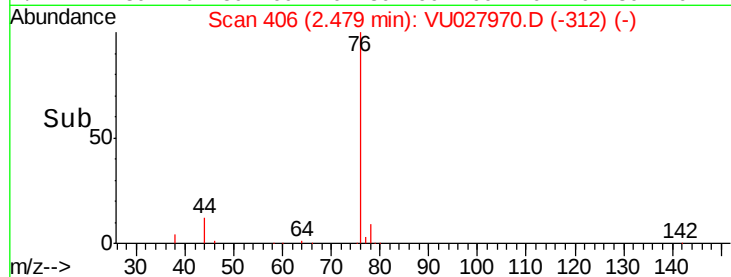
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.351 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027970.D

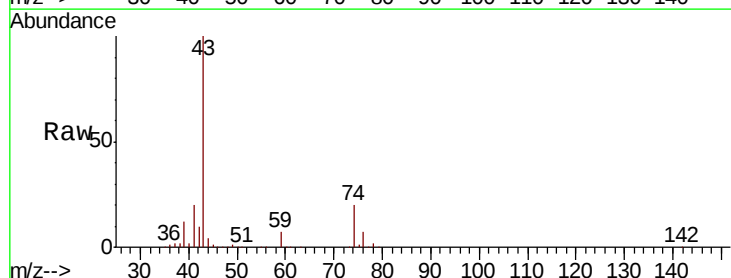
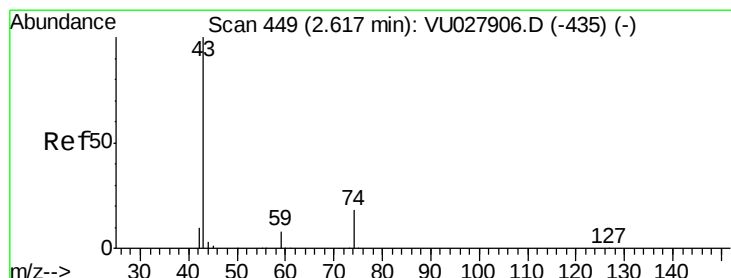
Acq: 06 Nov 2018 08:21

Tgt Ion: 43 Resp: 248916

Ion Ratio Lower Upper

43 100

74 19.7 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027970.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027970.D (-356) (-)

2.61

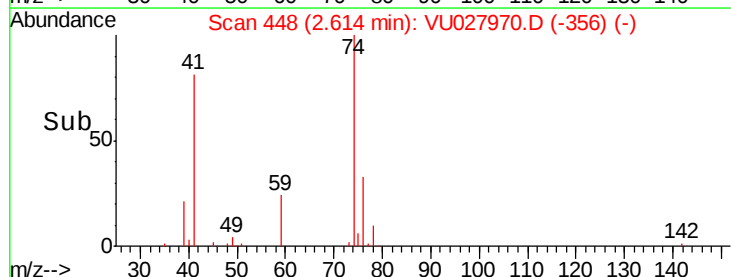
150000

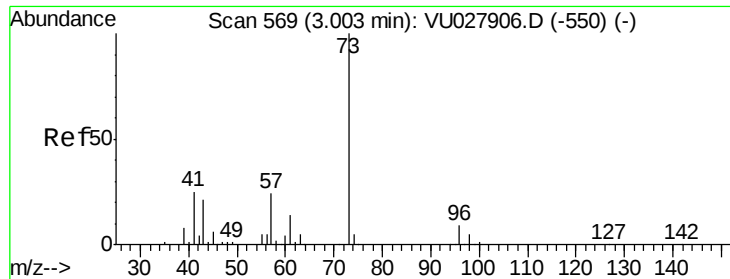
100000

50000

0

Time-->





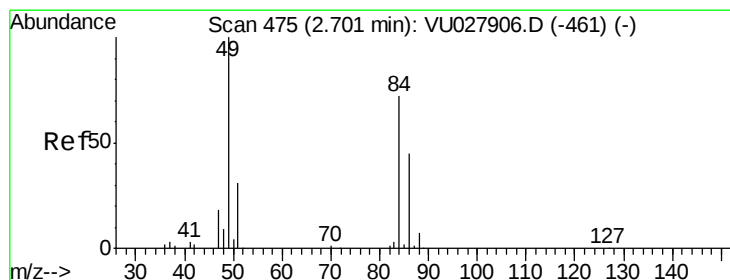
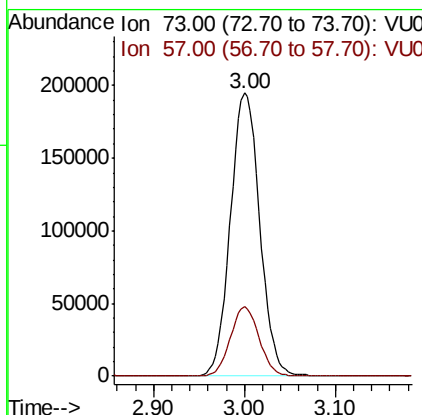
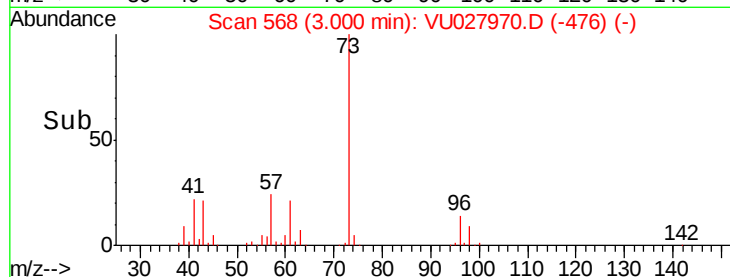
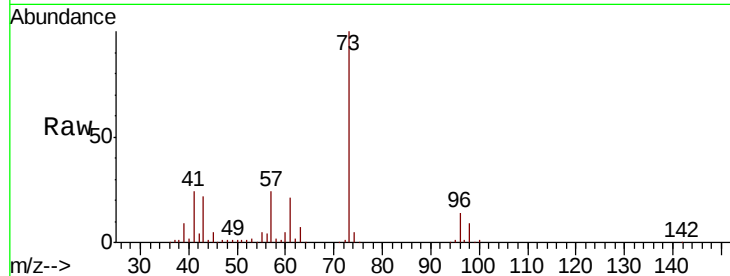
#19
Methvl tert-butvl Ether
Concen: 46.785 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 437352
Ion Ratio Lower Upper
73 100
57 24.4 19.3 28.9

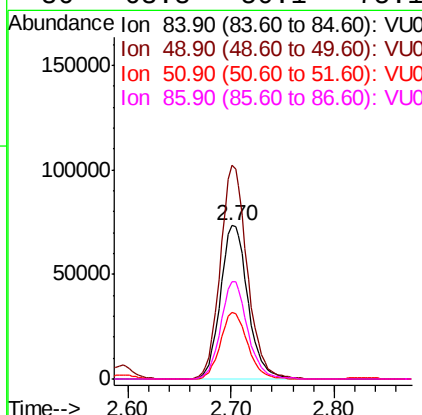
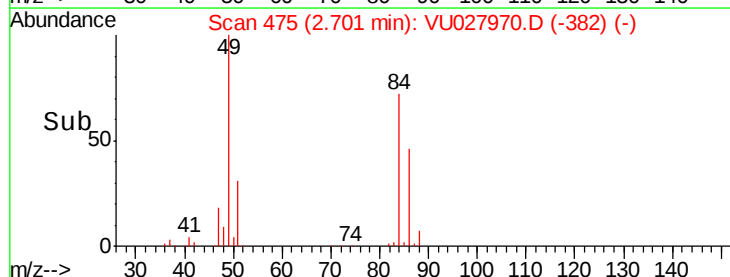
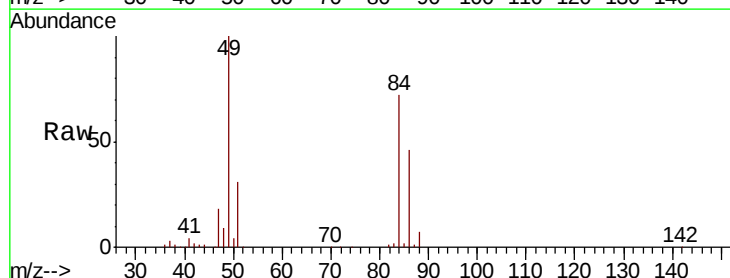
Manual Integrations
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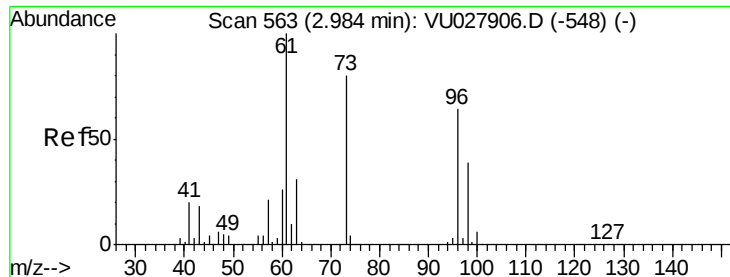
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#20
Methylene Chloride
Concen: 45.523 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion: 84 Resp: 135607
Ion Ratio Lower Upper
84 100
49 139.5 111.6 167.4
51 43.5 34.8 52.2
86 63.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 44.285 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

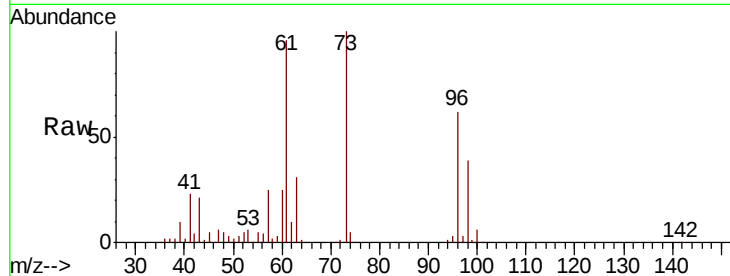
ClientSampleId :

VSTDCCC050

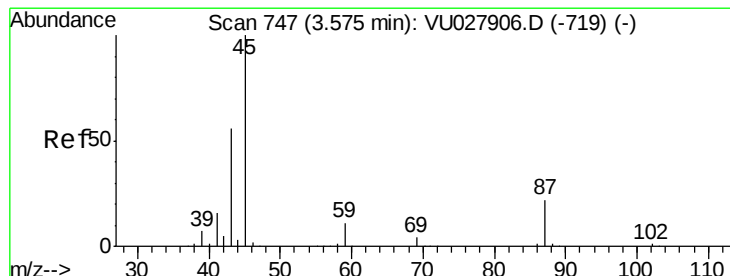
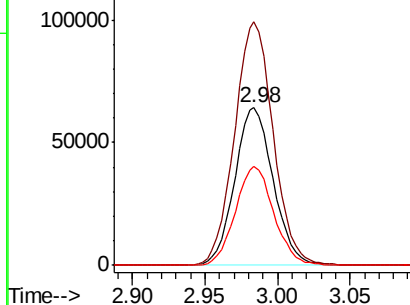
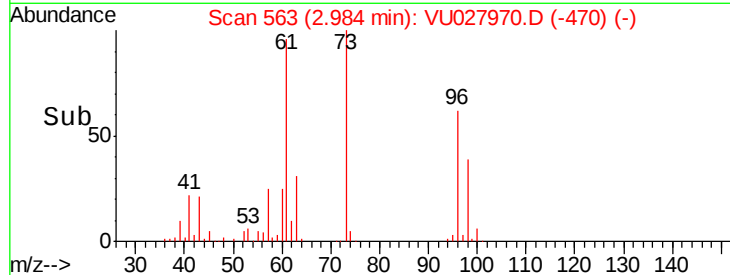
Tot Ion:	96	Resp:	118470
Ion	Ratio	Lower	Upper
96	100		
61	154.4	125.0	187.6
98	62.6	48.2	72.4

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Abundance Ion 95.90 (95.60 to 96.60): VU027970.D (-470) (-)



#22

Diisopropyl ether

Concen: 45.345 ug/l

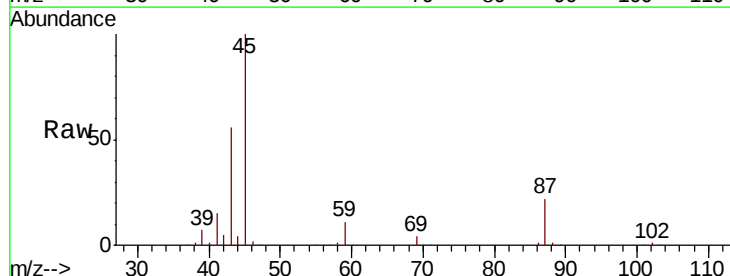
RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

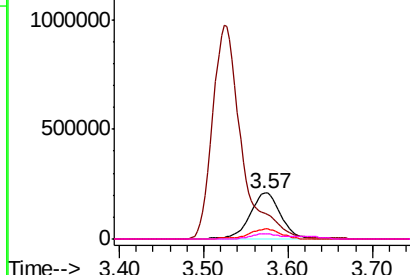
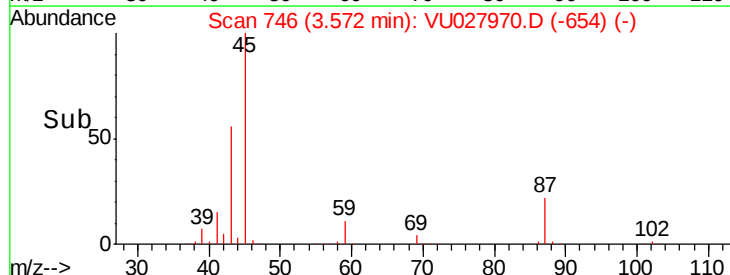
Lab File: VU027970.D

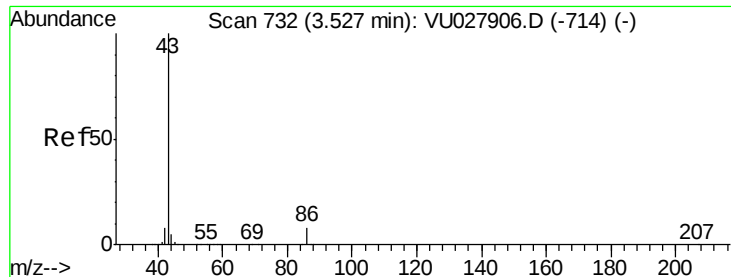
Acq: 06 Nov 2018 08:21

Tgt Ion:	45	Resp:	530385
Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.0	67.6
87	21.5	17.9	26.9
59	10.7	8.6	12.8



Abundance Ion 45.00 (44.70 to 45.30): VU027970.D (-654) (-)





#23

Vinyl Acetate

Concen: 232.521 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2337381

Ion Ratio Lower Upper

43 100

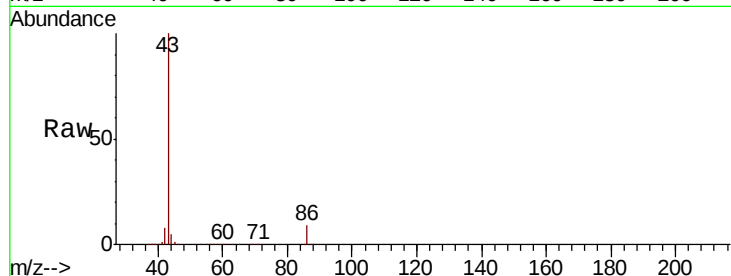
86 8.6 6.6 9.8

Manual Integrations

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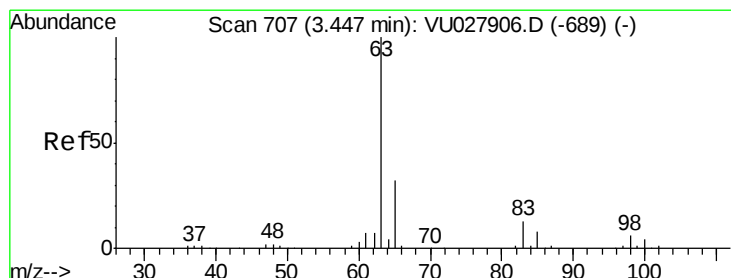
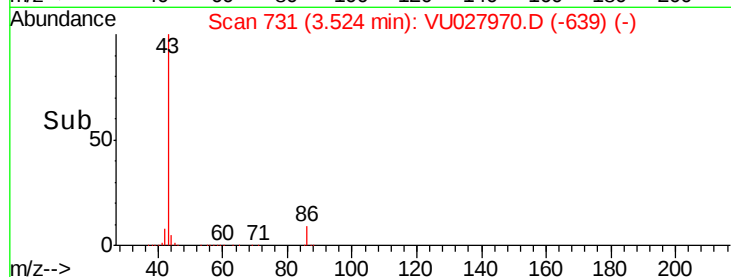
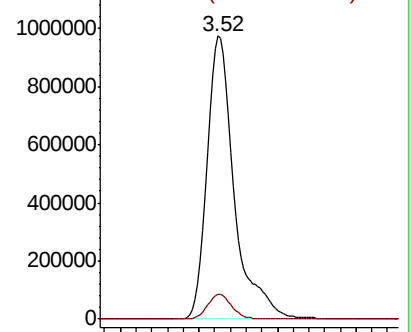
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 44.899 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

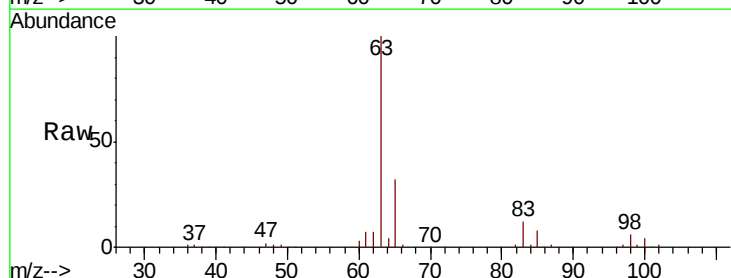
Tgt Ion: 63 Resp: 261581

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

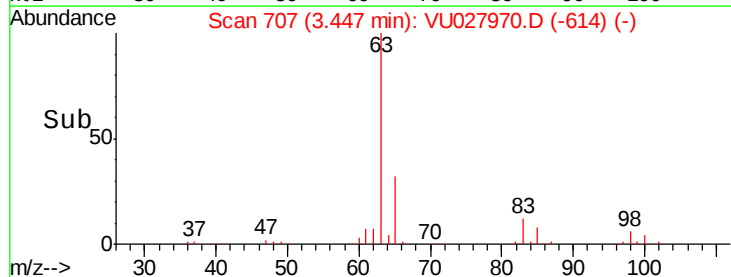
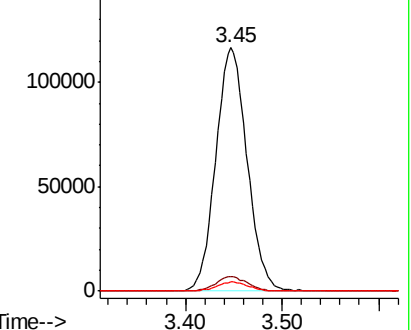
100 3.8 2.0 6.0

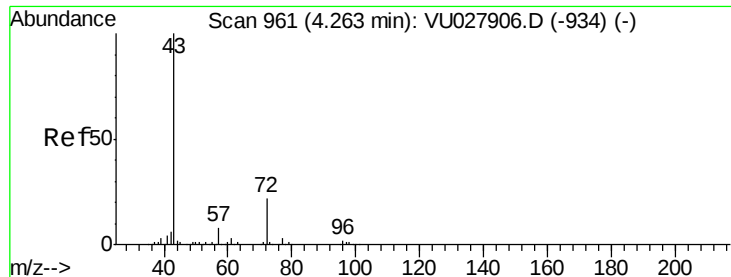


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 236.231 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 766765

Ion Ratio Lower Upper

43 100

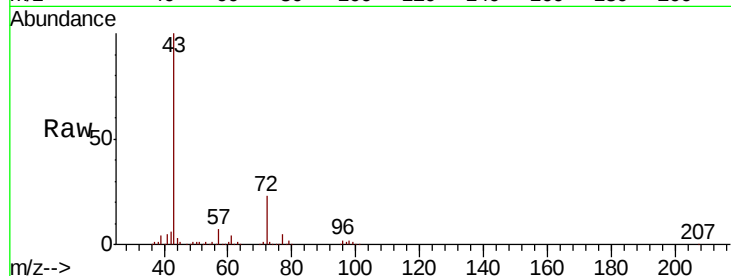
72 22.7 17.7 26.5

Manual Integrations

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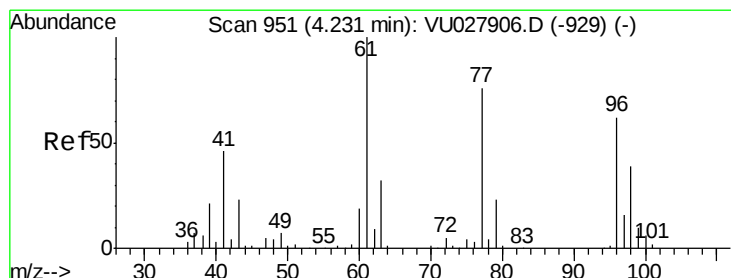
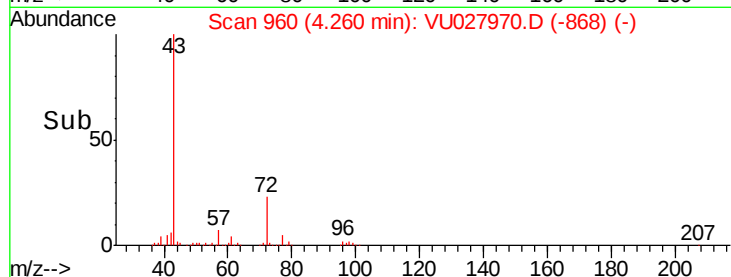
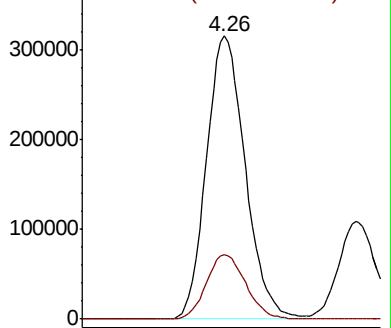
MMDadoda

11/6/2018 5:42:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.875 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027970.D

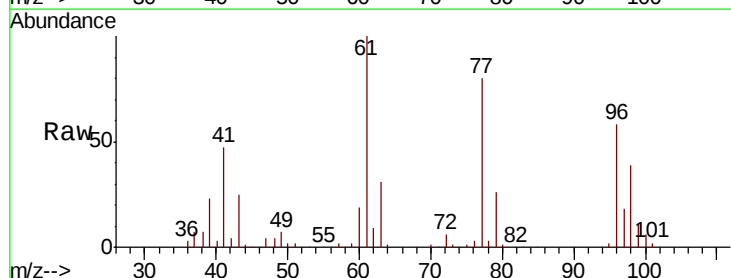
Acq: 06 Nov 2018 08:21

Tgt Ion: 77 Resp: 209315

Ion Ratio Lower Upper

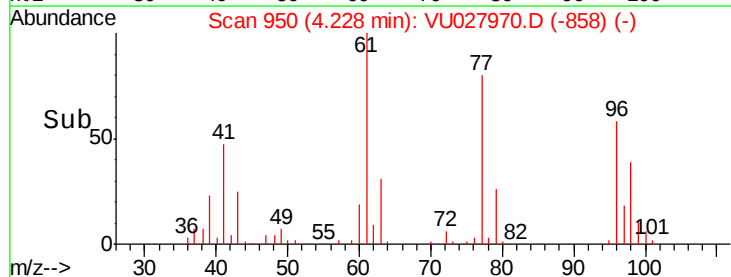
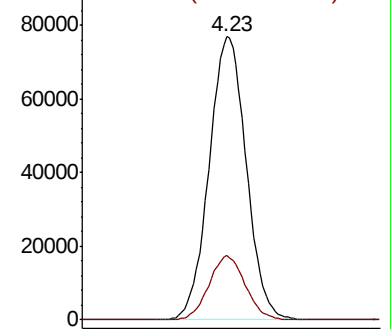
77 100

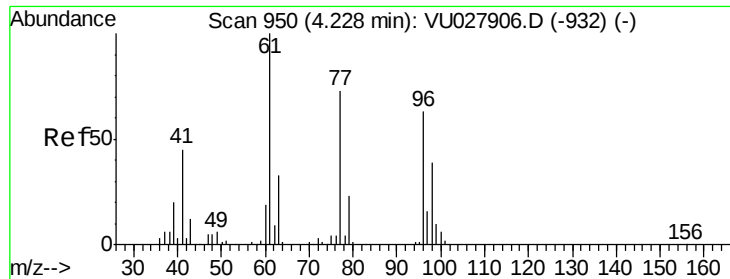
97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

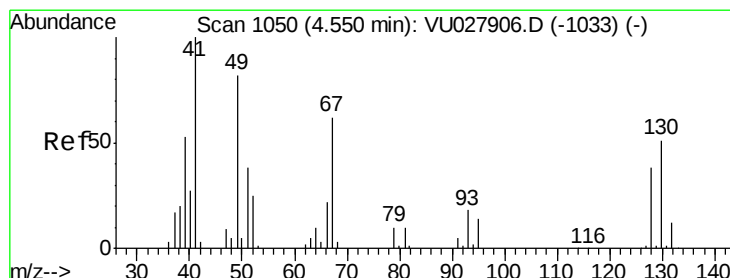
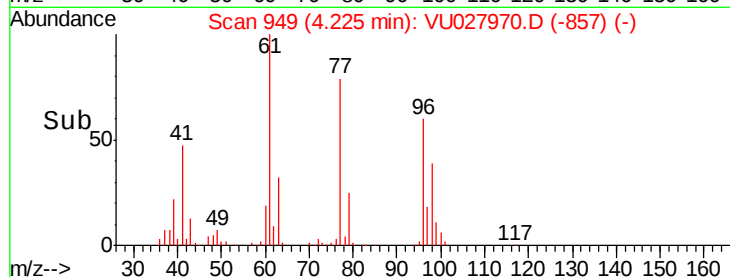
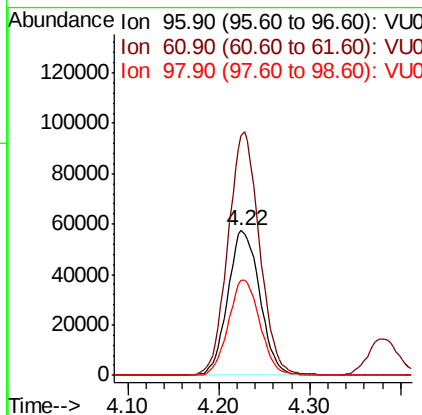
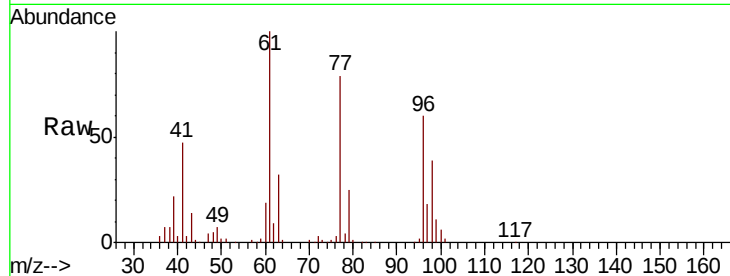
cis-1,2-Dichloroethene
Concen: 46.855 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	329.6
98	65.0	0.0	127.2

Manual Integrations
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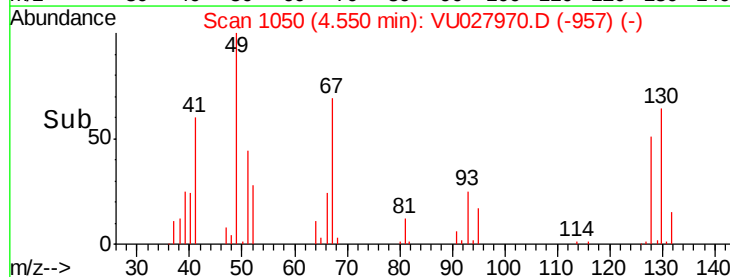
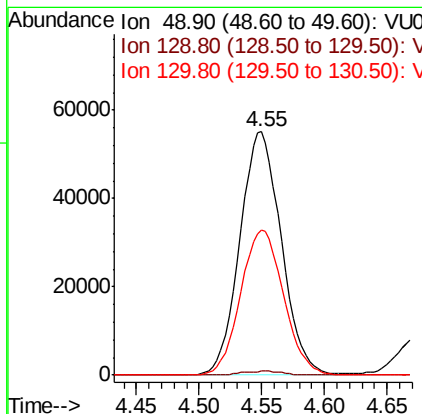
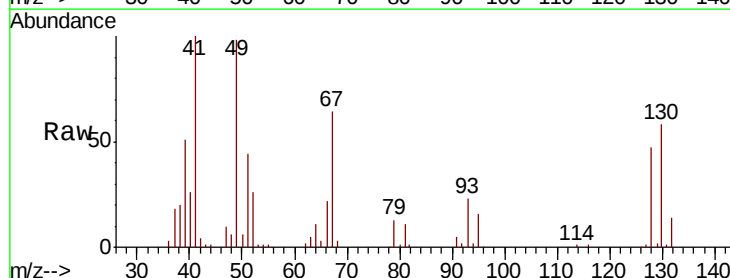
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11/6/2018 5:42:40 PM

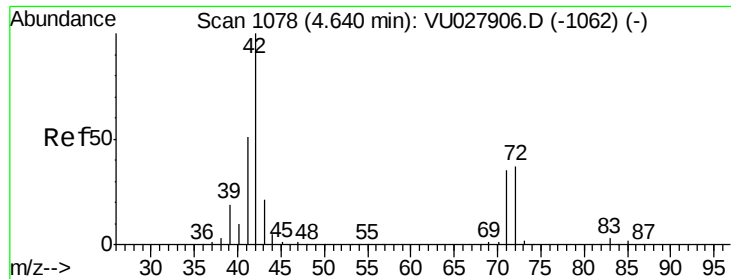


#28

Bromochloromethane
Concen: 46.382 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	61.9	47.8	71.6





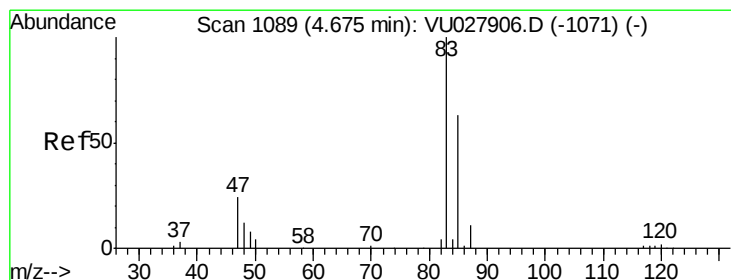
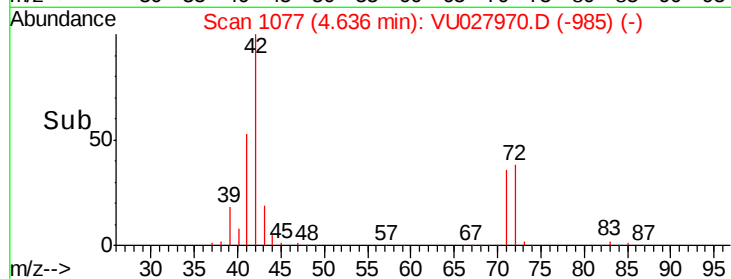
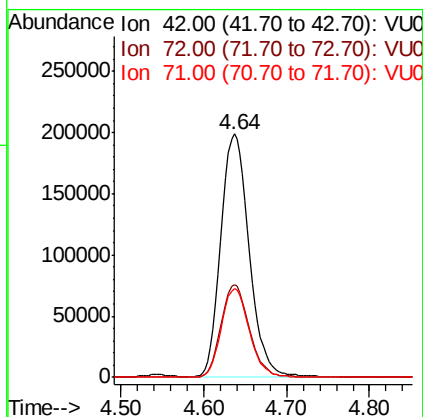
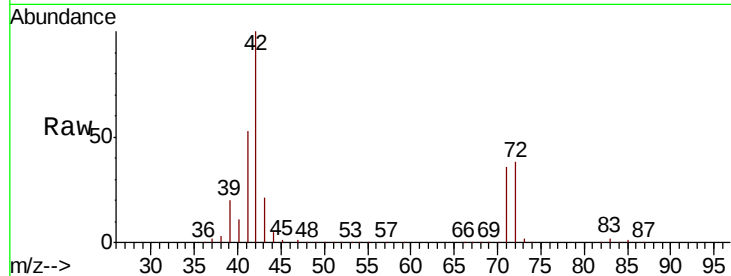
#29
Tetrahydrofuran
Concen: 217.681 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.4	44.0
71	36.0	27.9	41.9

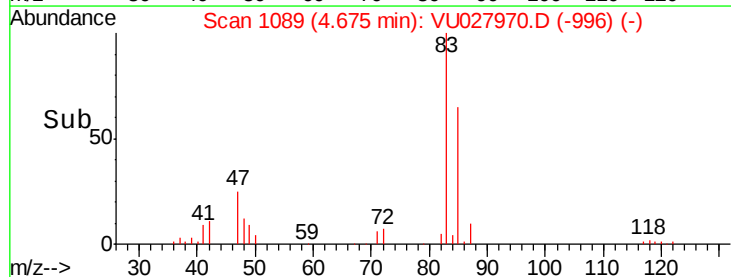
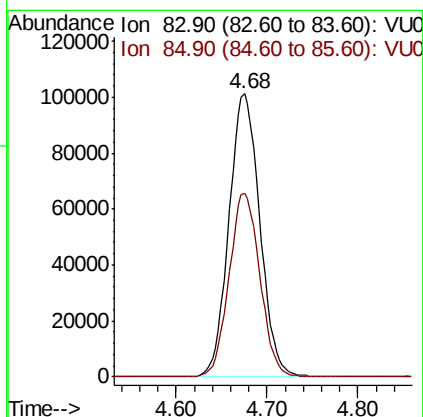
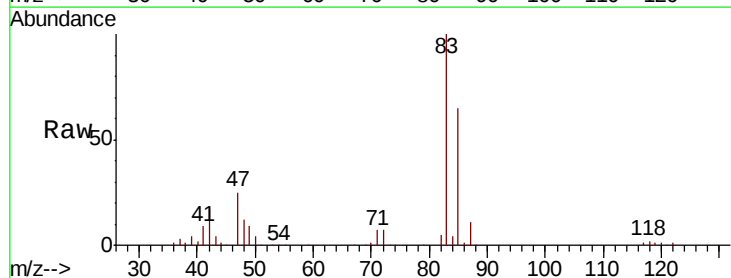
Manual Integrations
APPROVED

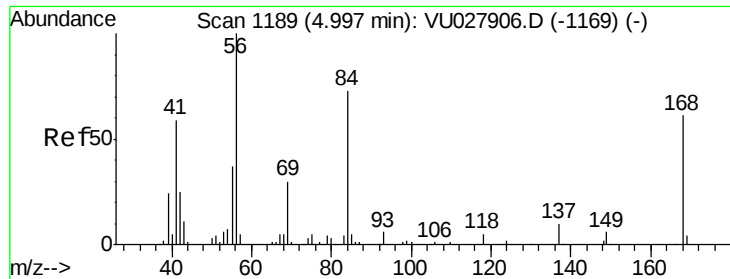
MMDadoda
11/6/2018 5:42:40 PM



#30
Chloroform
Concen: 44.633 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	76.0





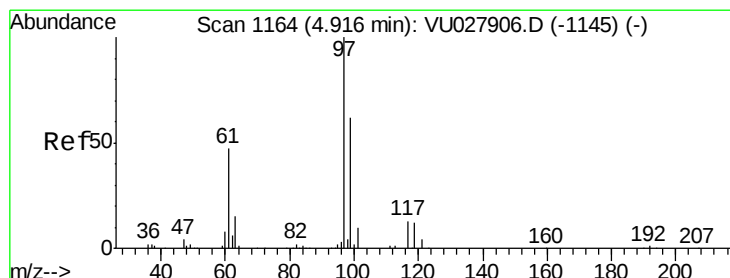
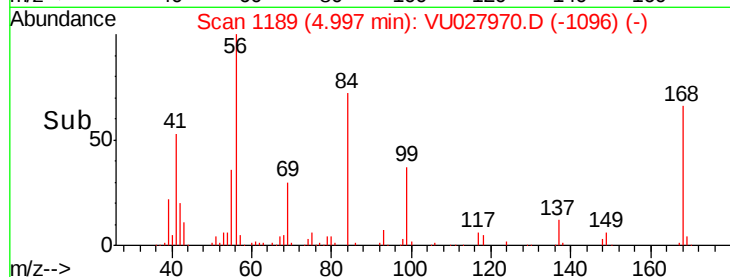
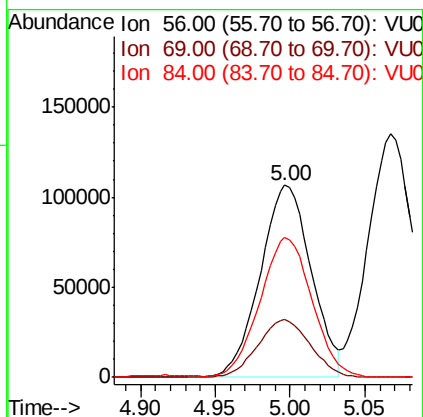
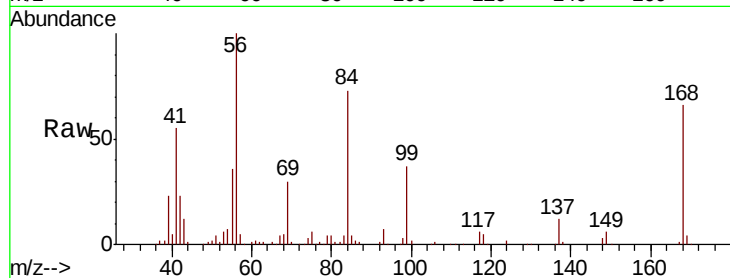
#31
Cyclohexane
Concen: 44.025 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	72.2	58.2	87.4

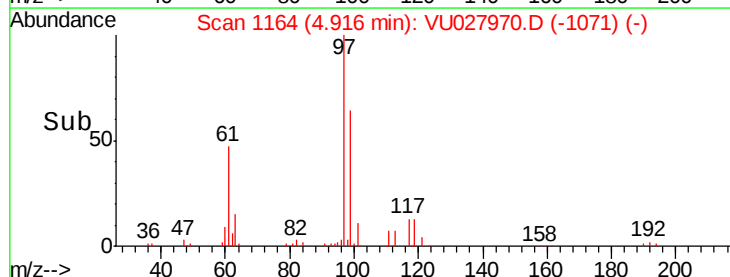
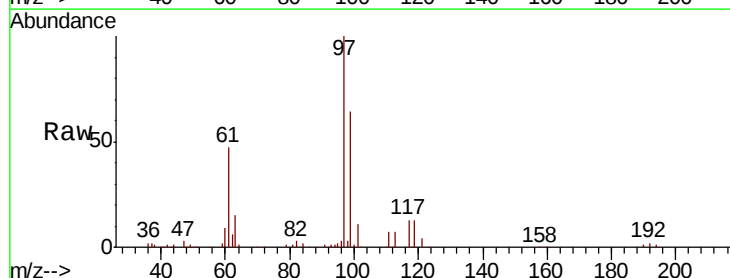
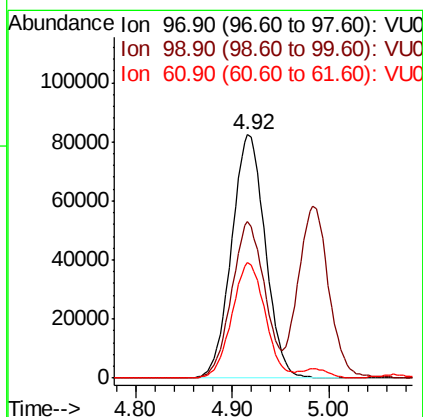
Manual Integrations
APPROVED

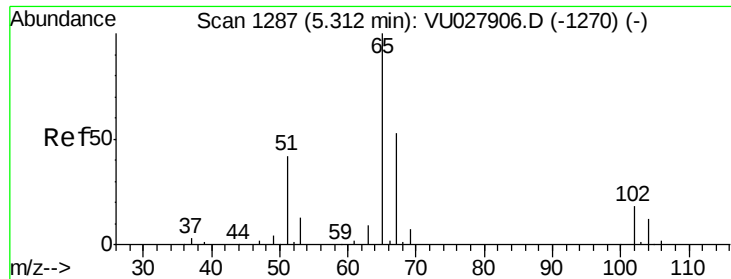
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#32
1,1,1-Trichloroethane
Concen: 46.840 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.5	75.7
61	47.1	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 43.041 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 141535

Ion Ratio Lower Upper

65 100

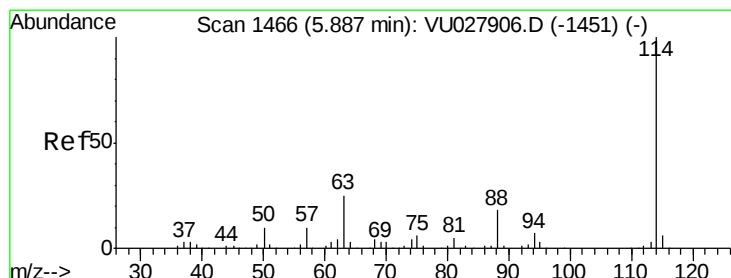
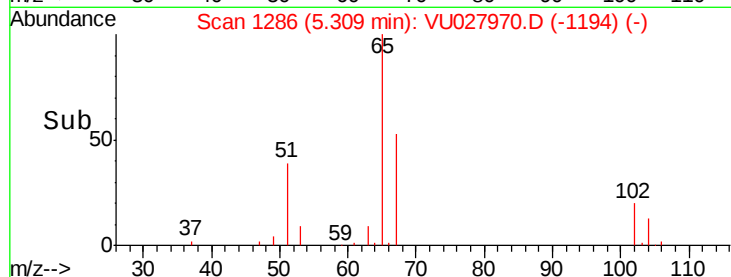
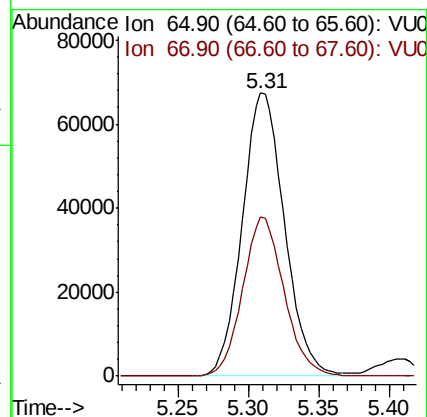
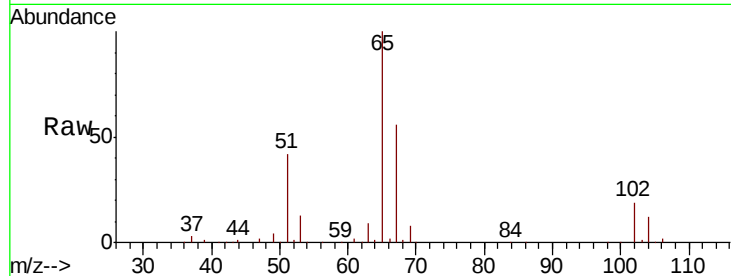
67 55.2 0.0 109.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

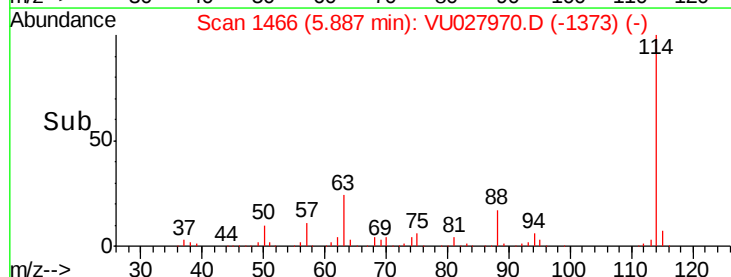
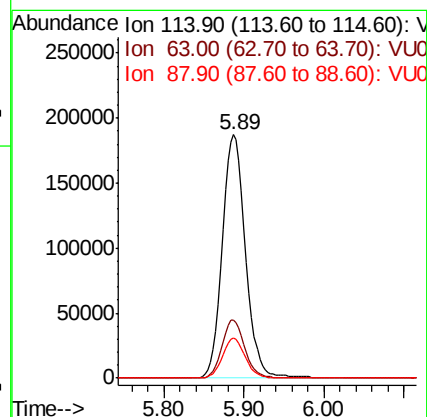
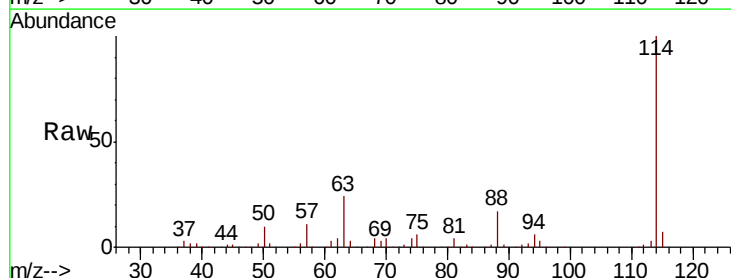
Tgt Ion: 114 Resp: 376253

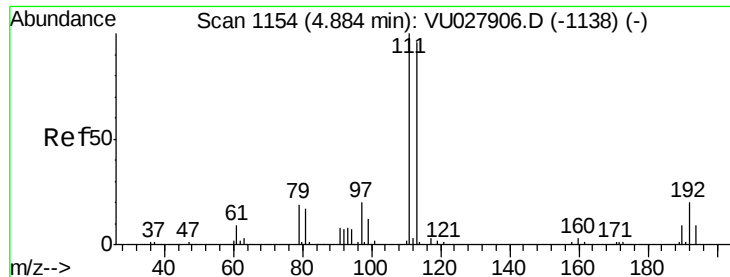
Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.8

88 16.5 0.0 35.8





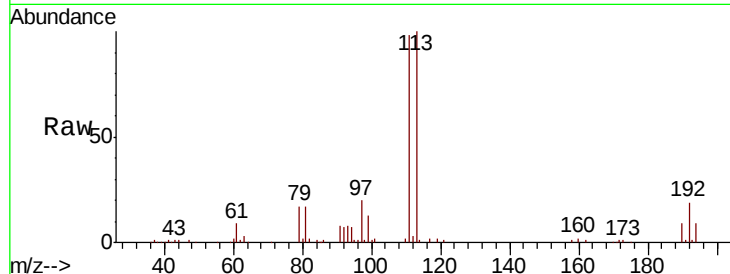
#35
 Dibromofluoromethane
 Concen: 46.449 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110193		
111	101.0	83.0	124.6	
192	19.6	15.6	23.4	

Manual Integrations
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 11/6/2018 5:42:40 PM

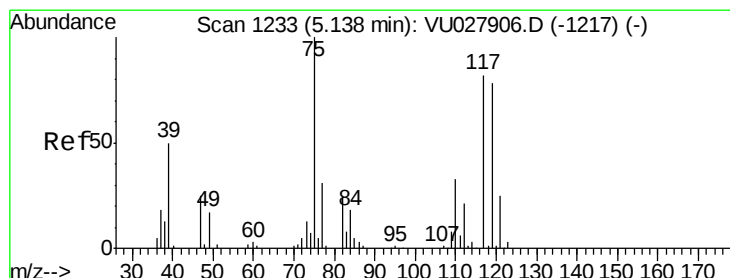
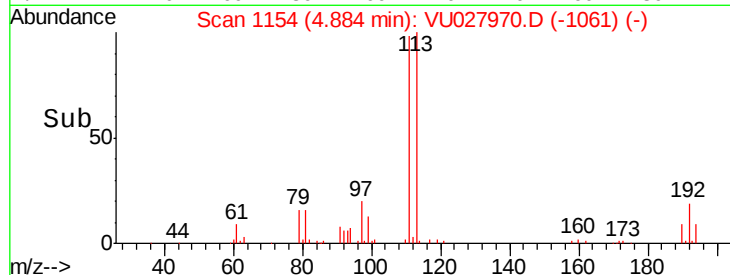
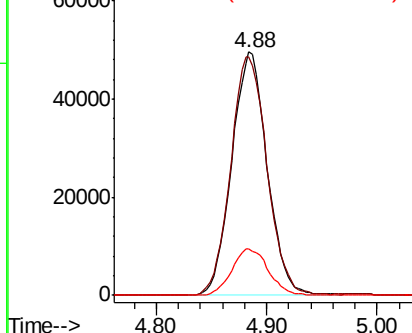


Abundance

Ion 112.80 (112.50 to 113.50): V

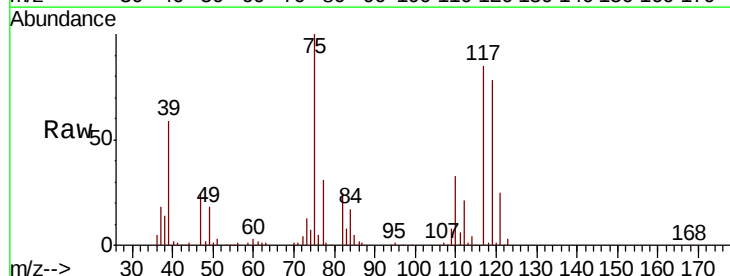
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 46.318 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	182521		
110	33.5	16.5	49.5	
77	30.4	24.9	37.3	

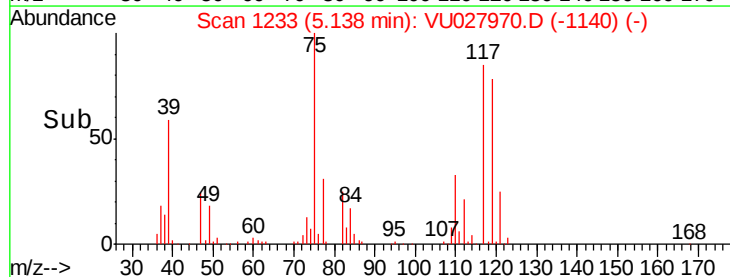
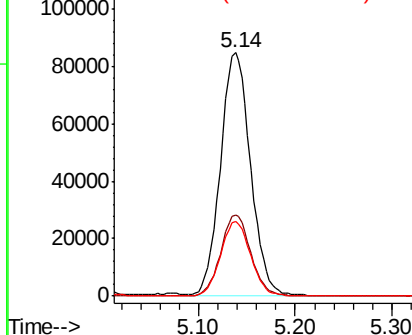


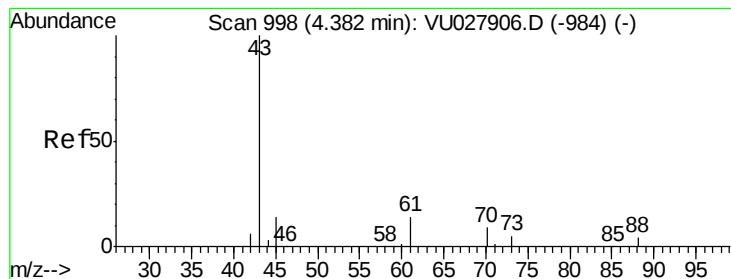
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 45.656 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

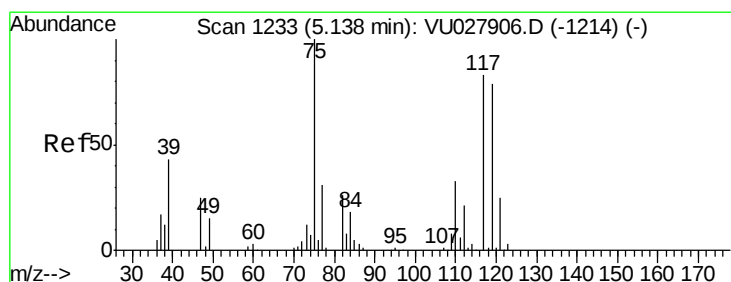
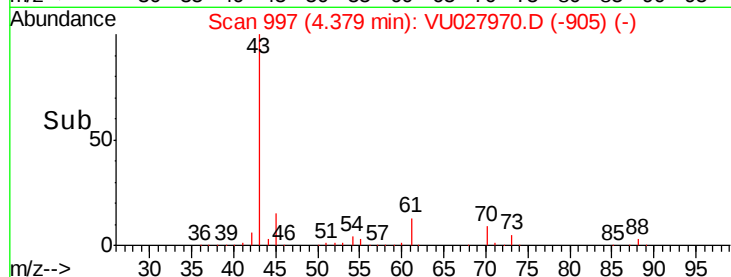
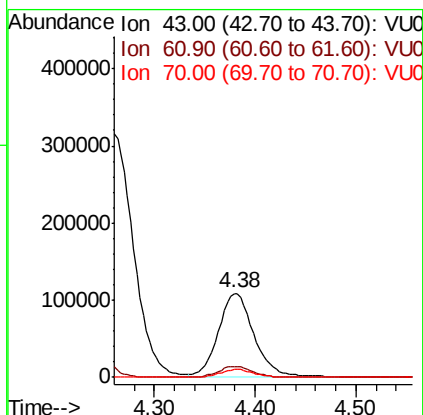
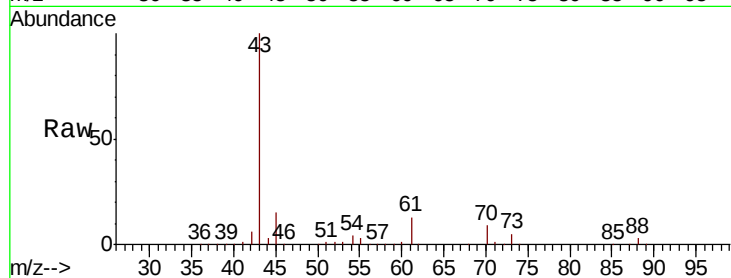
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	263616
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	9.1	7.0	10.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.921 ug/l

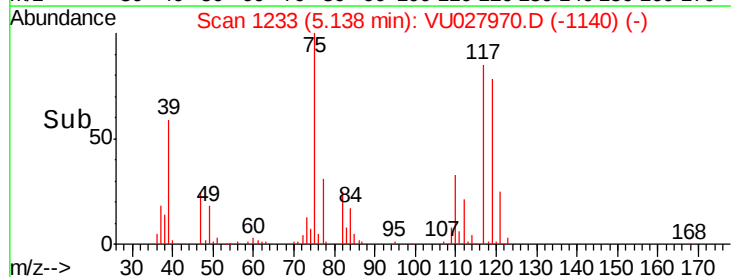
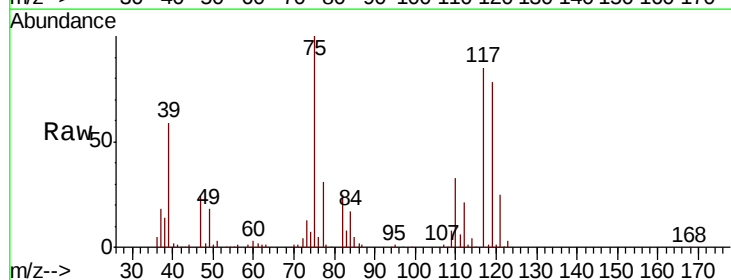
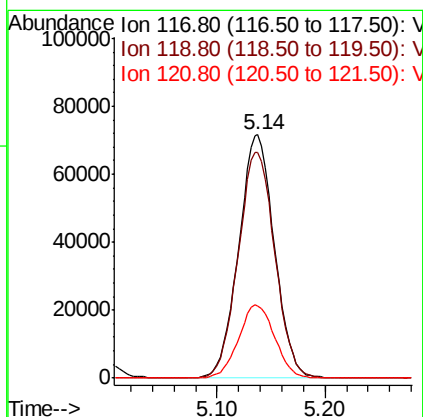
RT: 5.14 min Scan# 1233

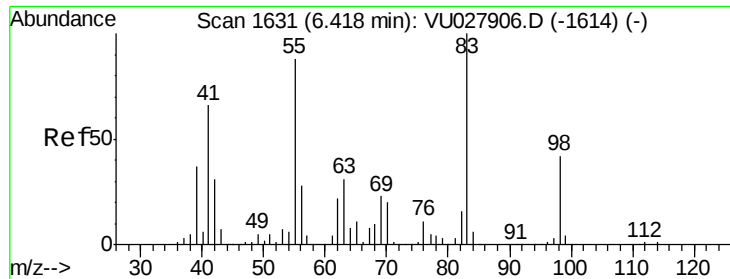
Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	117	Resp:	163858
Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.0	114.0
121	29.9	24.5	36.7





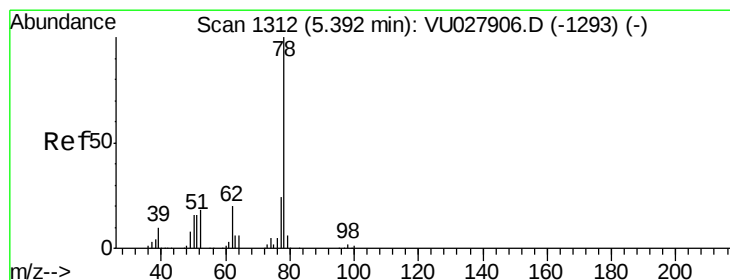
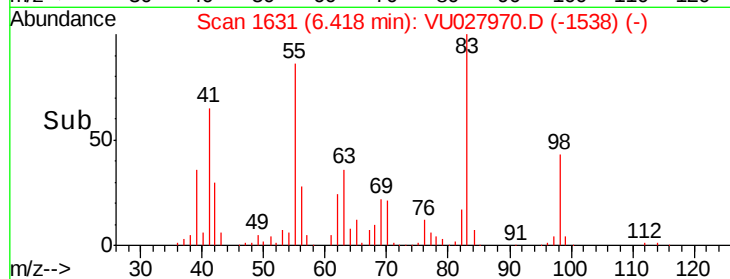
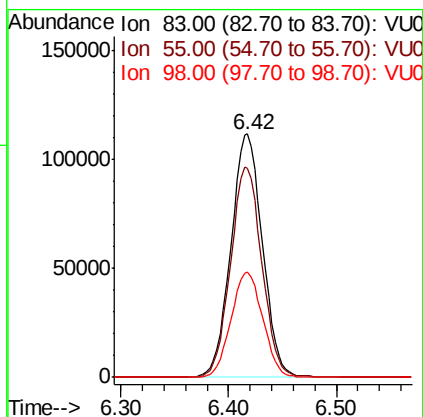
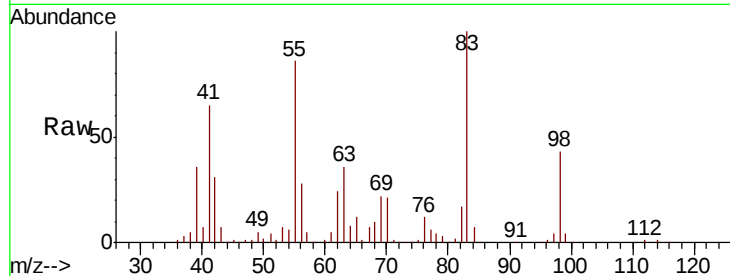
#39
Methvlcvclohexane
Concen: 47.844 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	70.3	105.5
98	43.3	34.0	51.0

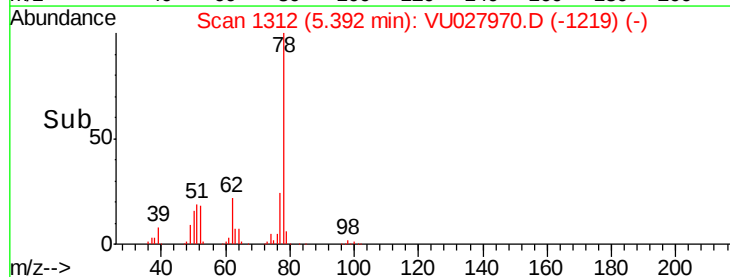
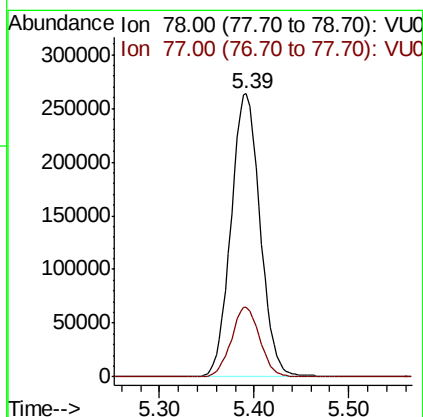
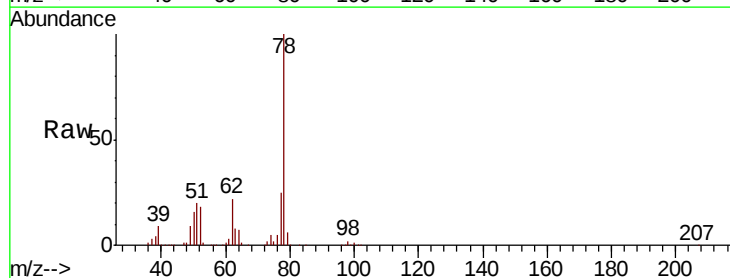
Manual Integrations
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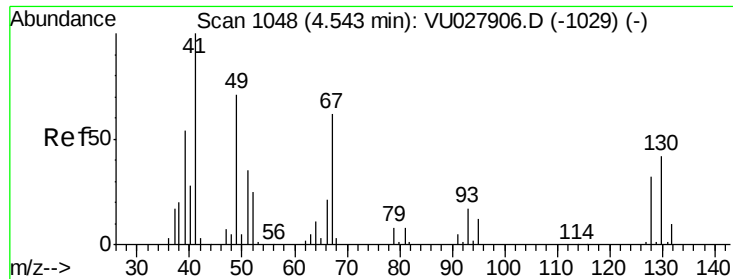
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11/6/2018 5:42:40 PM



#40
Benzene
Concen: 46.831 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.3	28.9





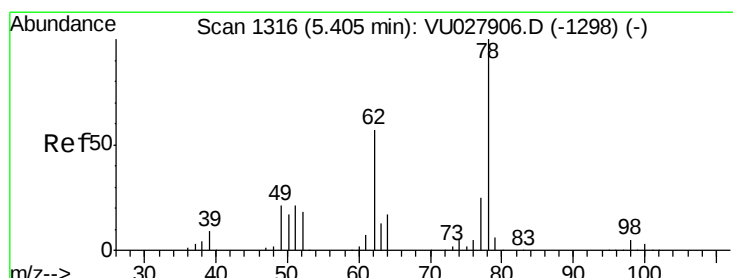
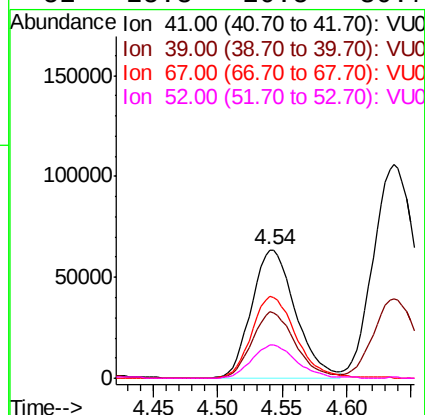
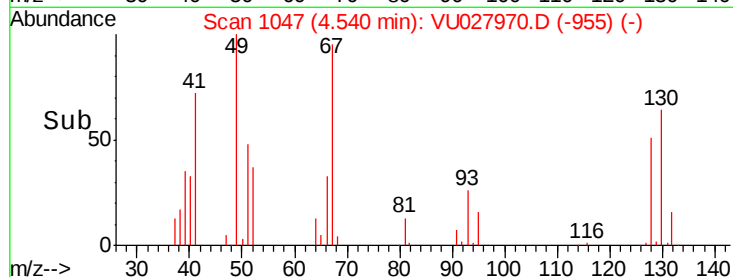
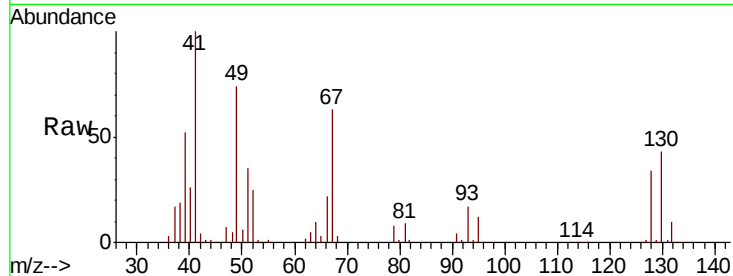
#41
Methacrylonitrile
Concen: 49.119 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	50.8	42.2	63.4		
67	64.2	49.5	74.3		
52	25.8	20.5	30.7		

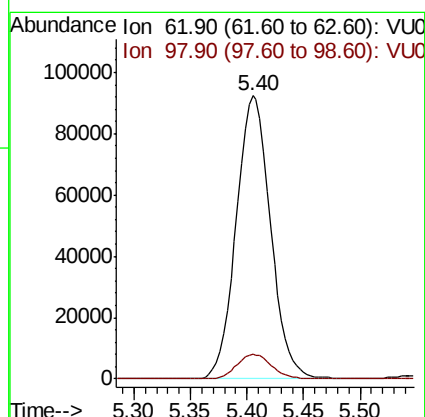
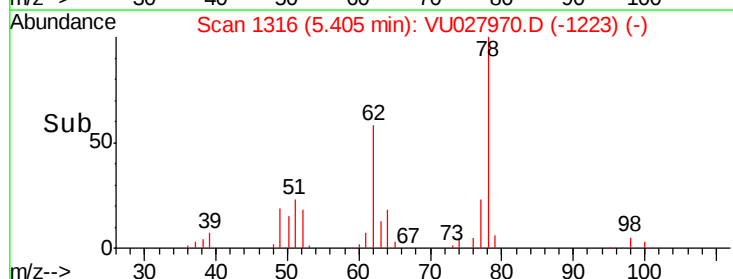
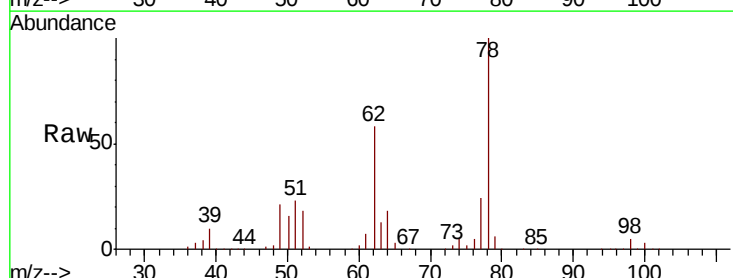
Manual Integrations
APPROVED

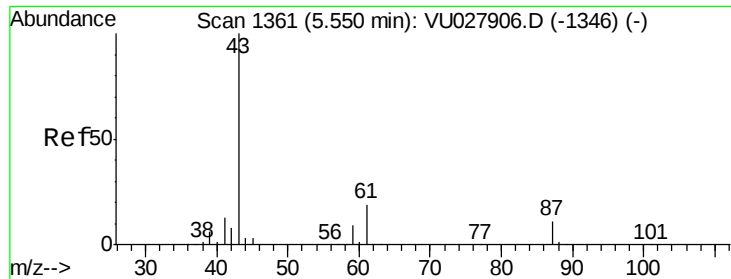
MMDadoda
11/6/2018 5:42:40 PM



#42
1,2-Dichloroethane
Concen: 45.659 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.8	0.0	17.2		





#43

Isopropyl Acetate

Concen: 46.596 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

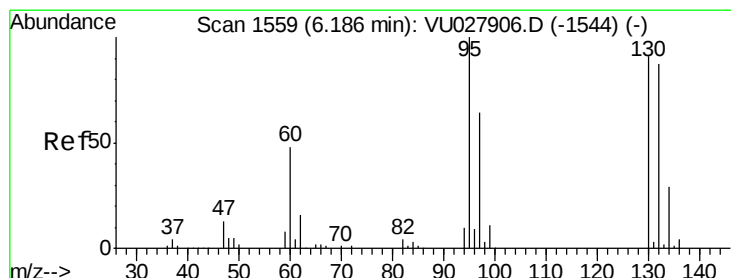
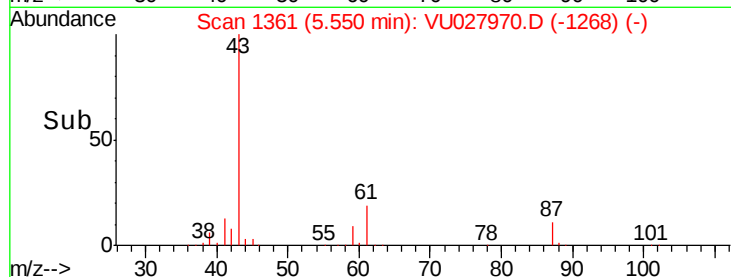
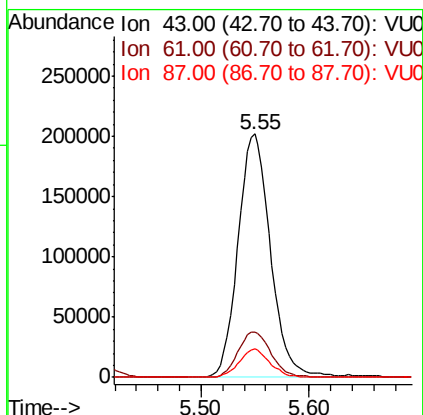
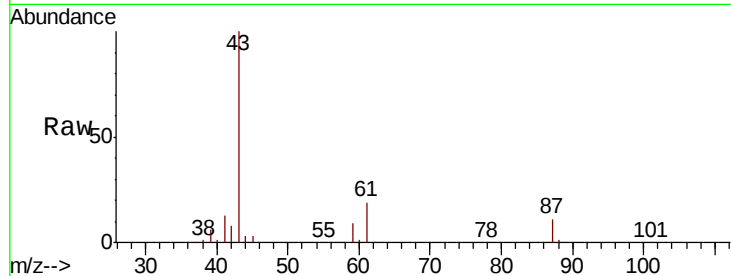
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	421506
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.4
87	11.2	8.6	12.8

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#44

Trichloroethene

Concen: 48.485 ug/l

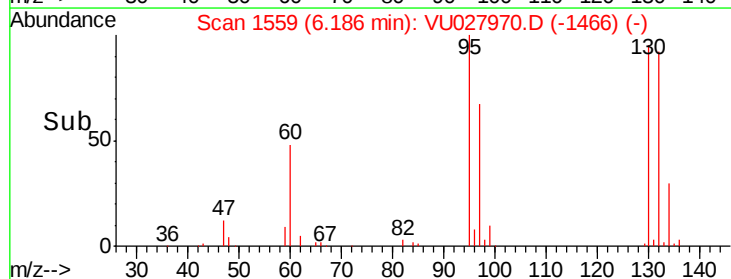
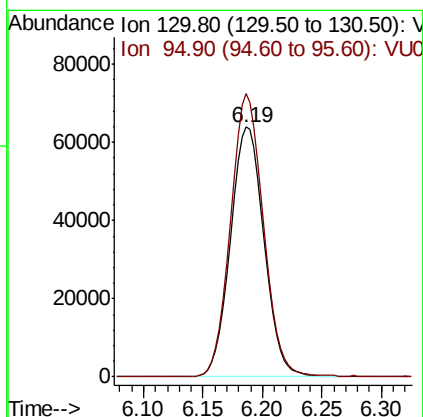
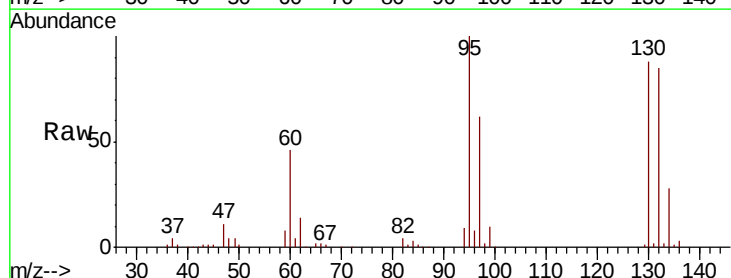
RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	130	Resp:	125565
Ion	Ratio	Lower	Upper
130	100		
95	113.4	0.0	219.2





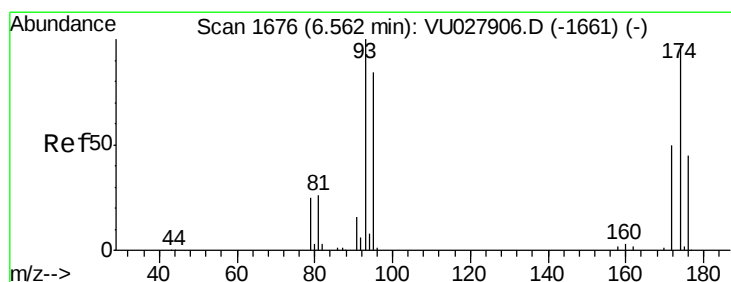
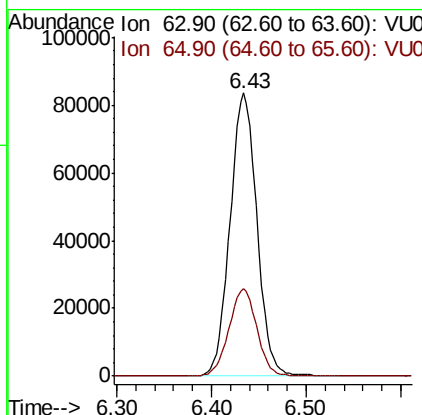
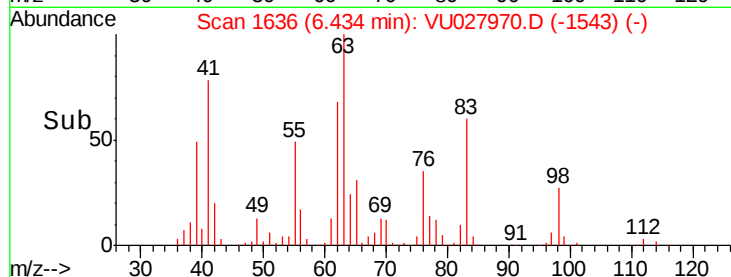
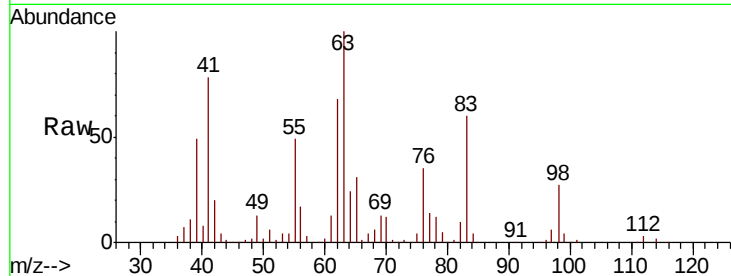
#45
 1,2-Dichloropropane
 Concen: 47.564 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 165264
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6

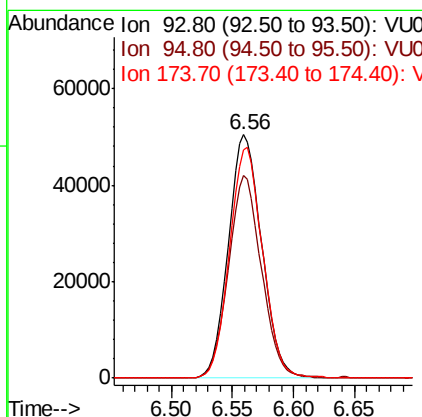
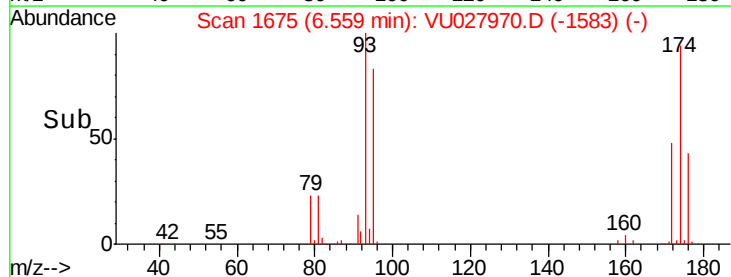
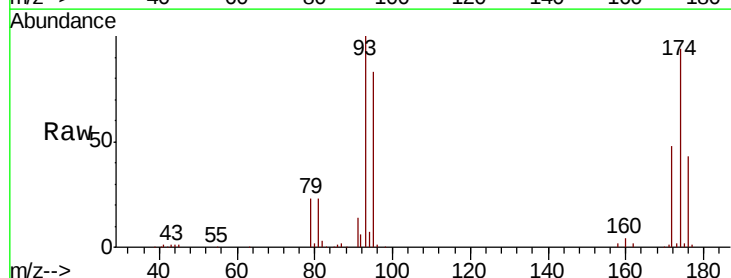
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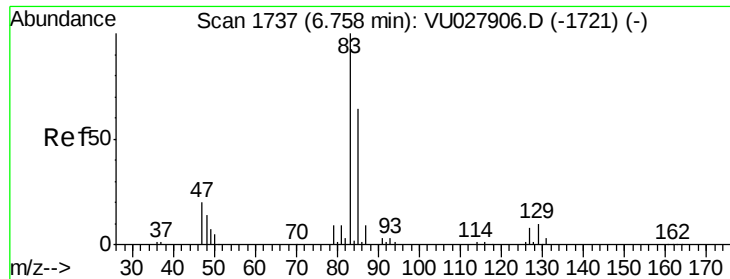
MMDadoda
 11/6/2018 5:42:40 PM



#46
 Dibromomethane
 Concen: 48.146 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion: 93 Resp: 96157
 Ion Ratio Lower Upper
 93 100
 95 81.9 68.5 102.7
 174 94.1 76.1 114.1





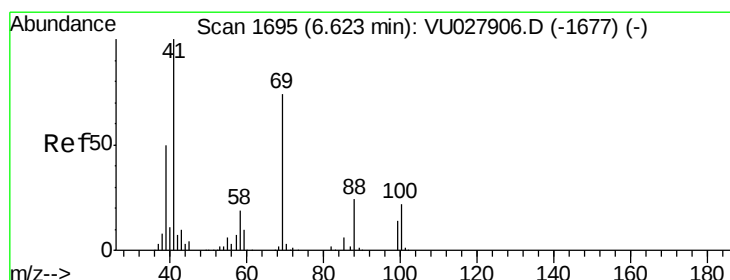
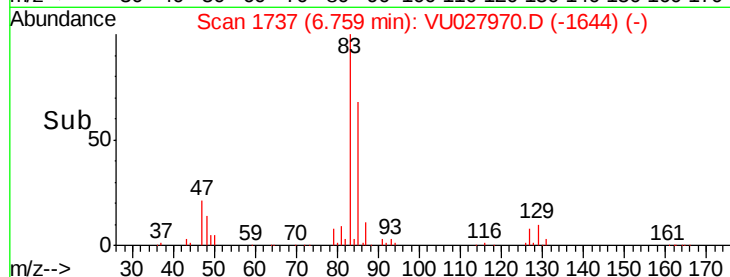
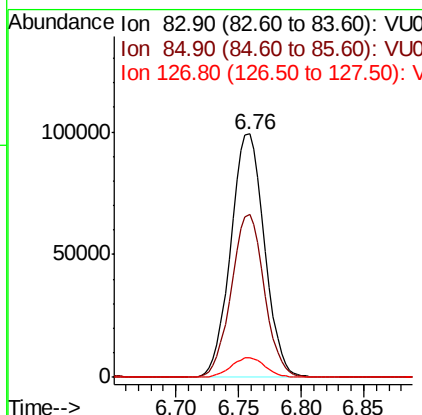
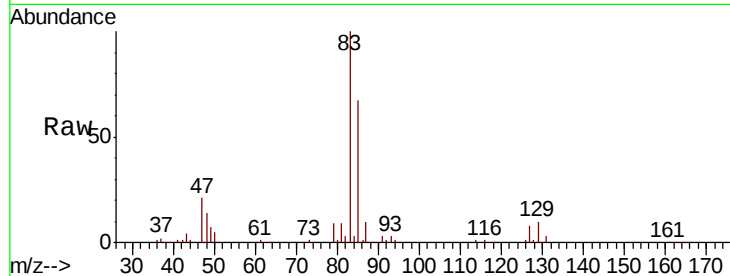
#47
Bromodichloromethane
Concen: 48.238 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	185659
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	51.0	76.6
127	8.1	6.2	9.4

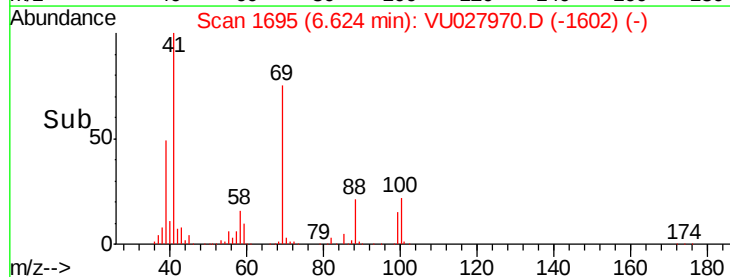
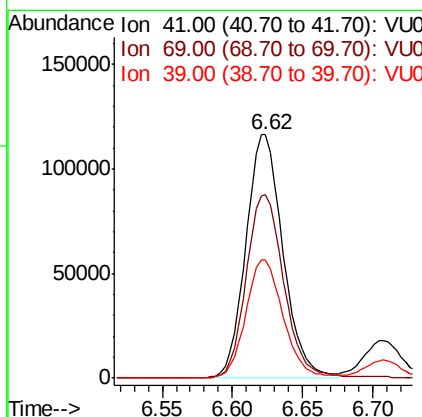
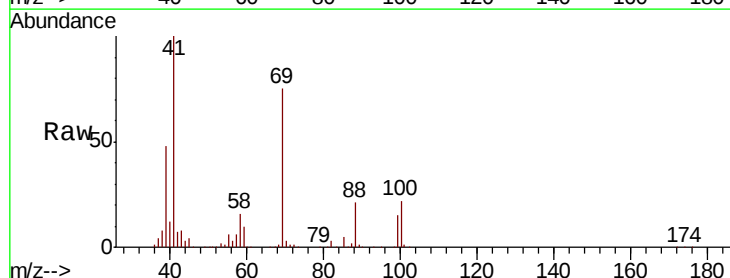
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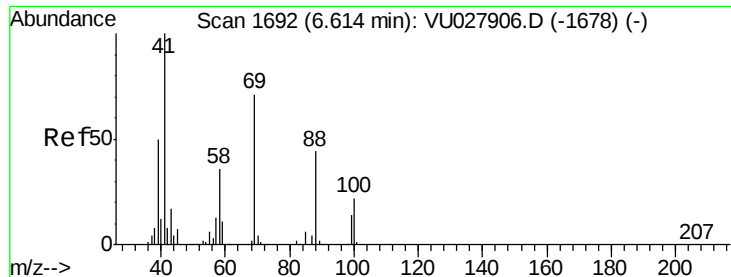
MMDadoda
11/6/2018 5:42:40 PM



#48
Methyl methacrylate
Concen: 48.181 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	41	Resp	213582
Ion Ratio	100	Lower	Upper
41	100		
69	76.8	59.8	89.8
39	48.8	40.0	60.0





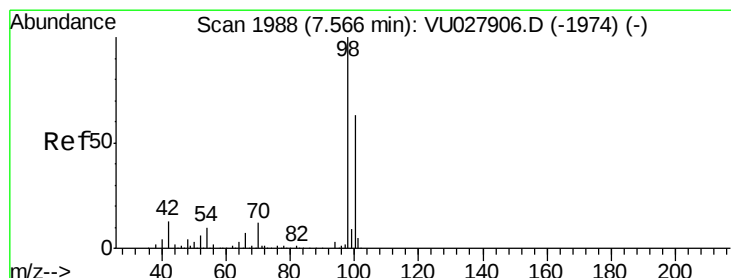
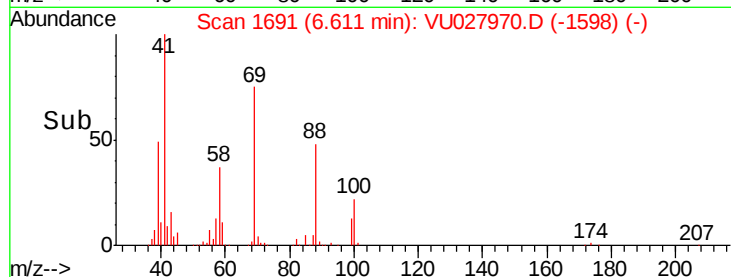
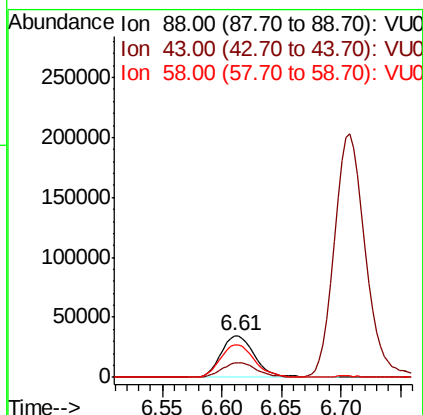
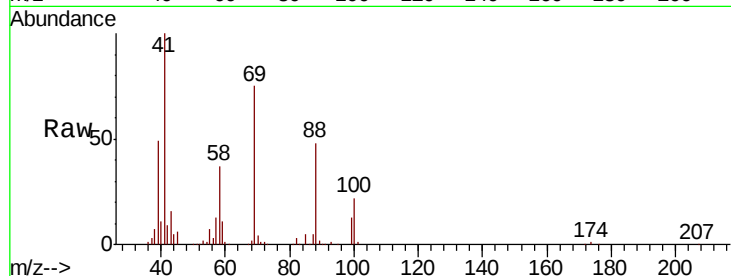
#49
1,4-Dioxane
Concen: 924.239 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	30.5	45.7
58	80.8	67.1	100.7

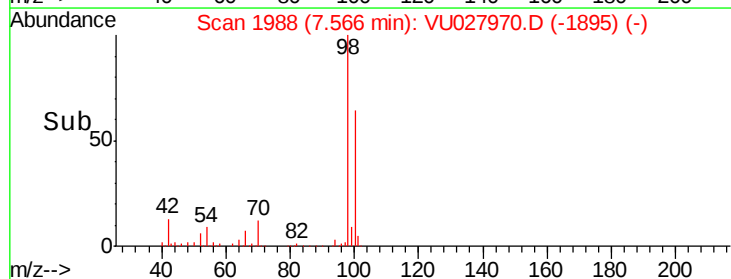
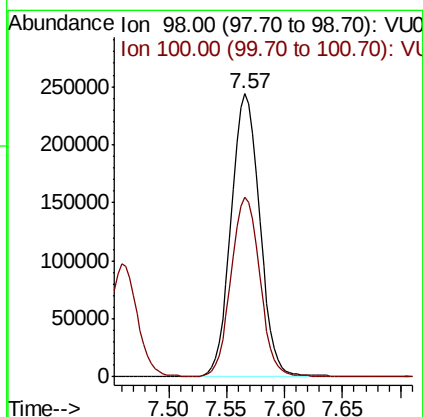
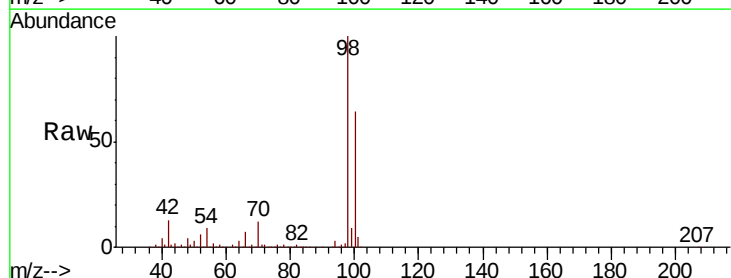
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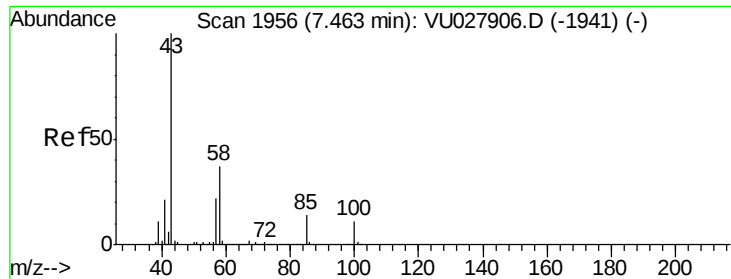
MMDadoda
11/6/2018 5:42:40 PM



#50
Toluene-d8
Concen: 45.768 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 231.029 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1395696

Ion Ratio Lower Upper

43 100

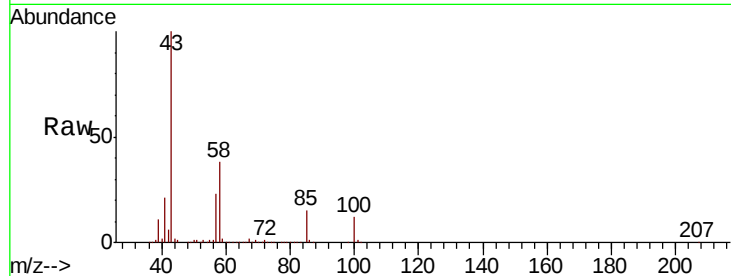
58 37.7 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

600000

400000

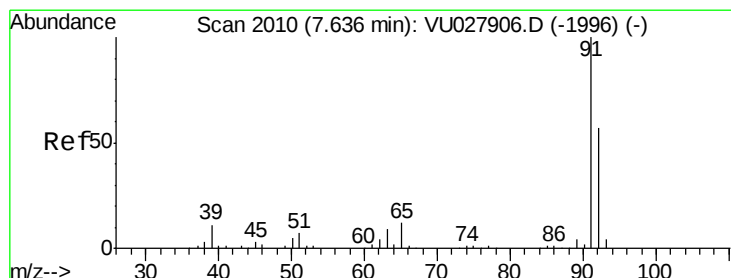
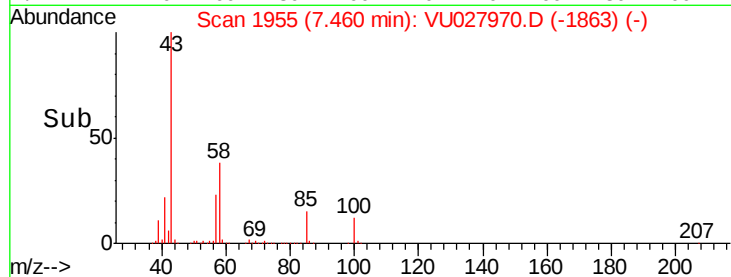
200000

0

7.40

7.50

Time-->



#52

Toluene

Concen: 48.465 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027970.D

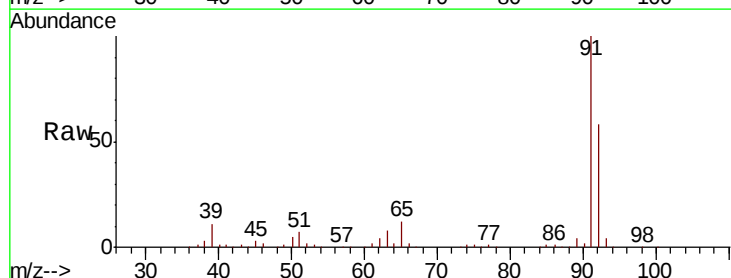
Acq: 06 Nov 2018 08:21

Tgt Ion: 92 Resp: 343278

Ion Ratio Lower Upper

92 100

91 174.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

400000

300000

200000

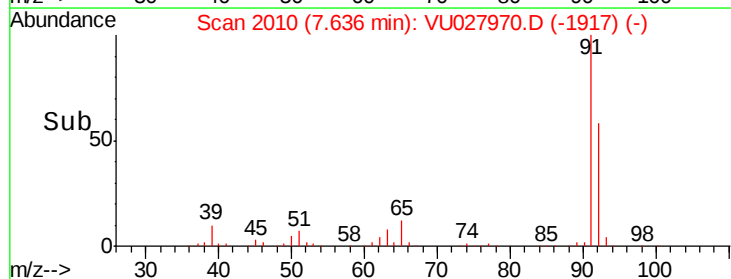
100000

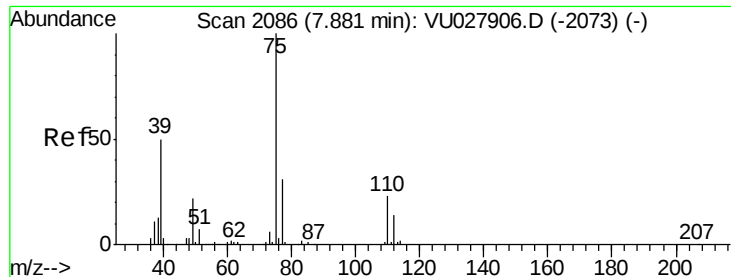
0

7.60

7.70

Time-->





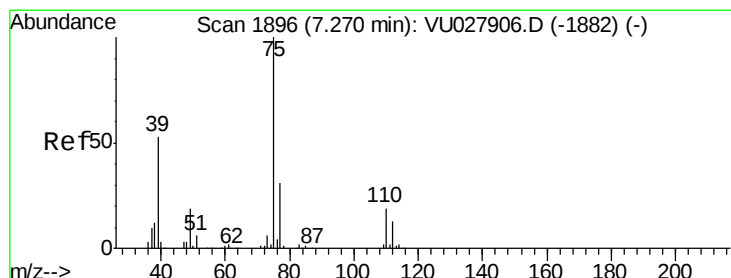
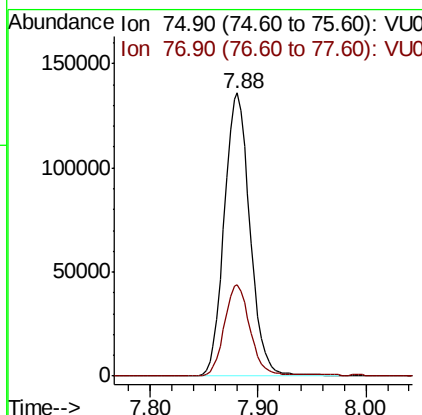
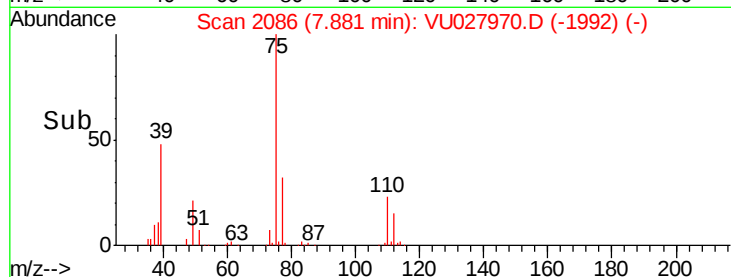
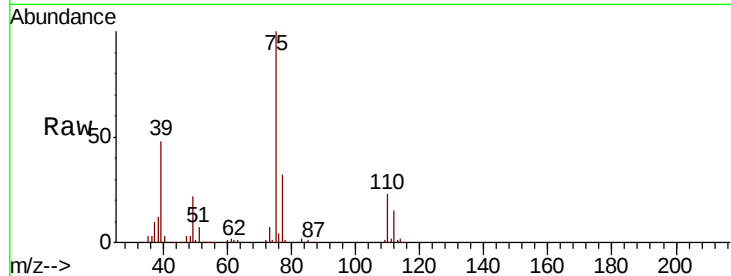
#53
t-1,3-Dichloropropene
Concen: 47.486 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

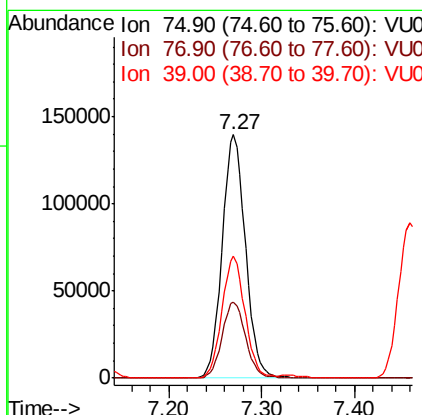
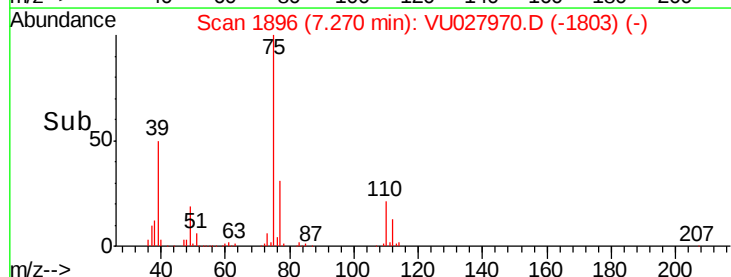
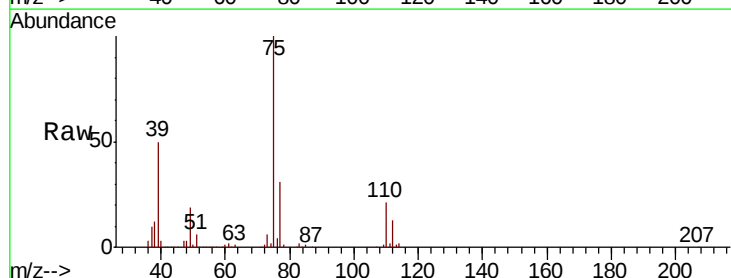
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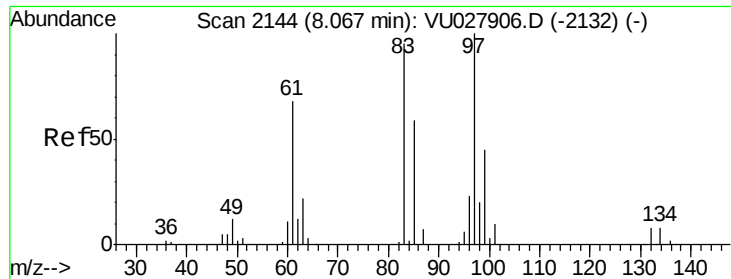
MMDadoda
11/6/2018 5:42:40 PM



#54
cis-1,3-Dichloropropene
Concen: 51.244 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	37.0
39	49.9	42.6	64.0





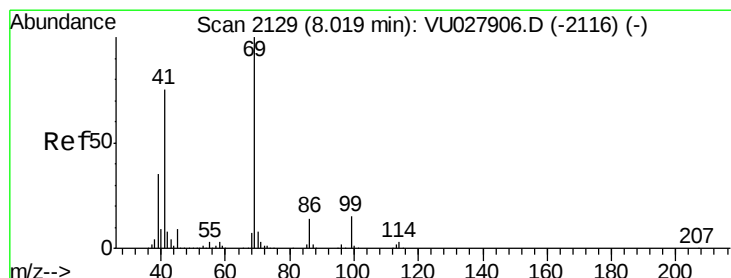
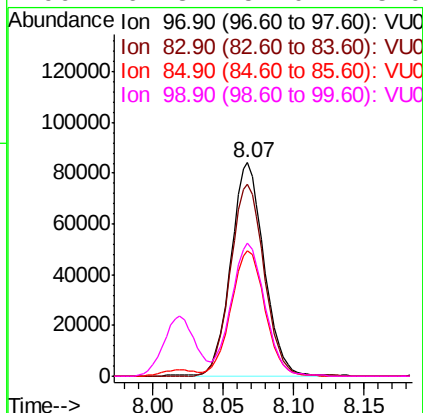
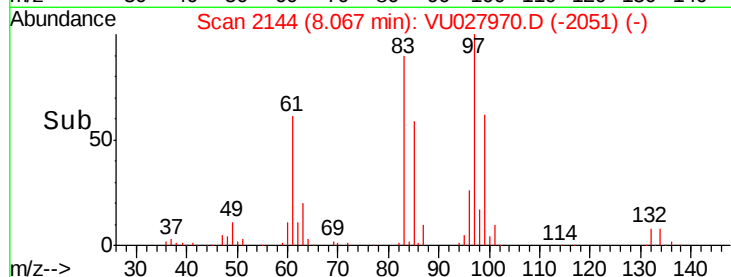
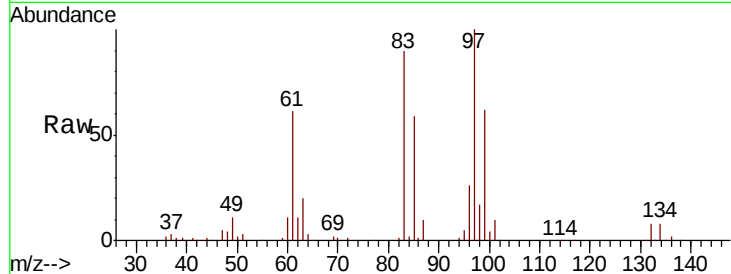
#55
 1,1,2-Trichloroethane
 Concen: 47.675 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	137383
Ion Ratio	Lower	Upper	
97	100		
83	90.2	76.1	114.1
85	58.7	48.9	73.3
99	62.3	52.0	78.0

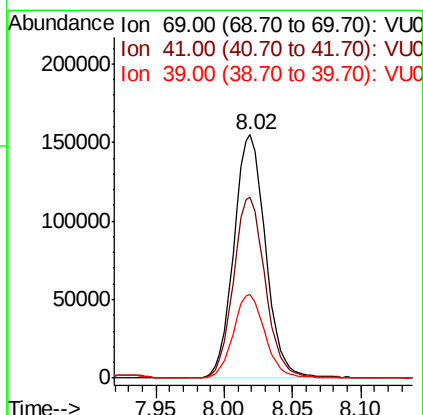
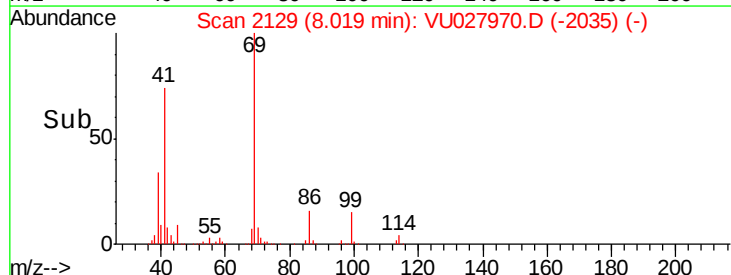
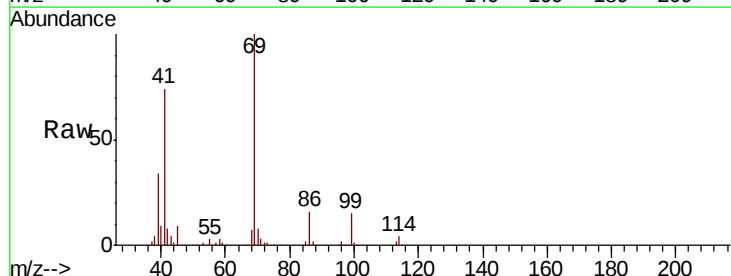
Manual Integrations
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 11/6/2018 5:42:40 PM



#56
 Ethyl methacrylate
 Concen: 49.287 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	69	Resp	250465
Ion Ratio	Lower	Upper	
69	100		
41	74.5	59.8	89.6
39	34.3	28.6	42.8





#57

1,3-Dichloropropane

Concen: 47.721 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 250497

Ion Ratio Lower Upper

76 100

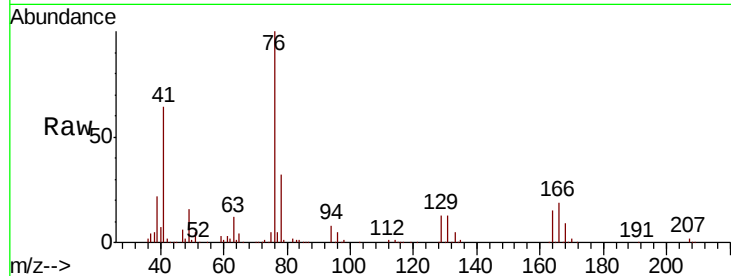
78 32.1 25.3 37.9

Manual Integrations

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MMDadoda

11/6/2018 5:42:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

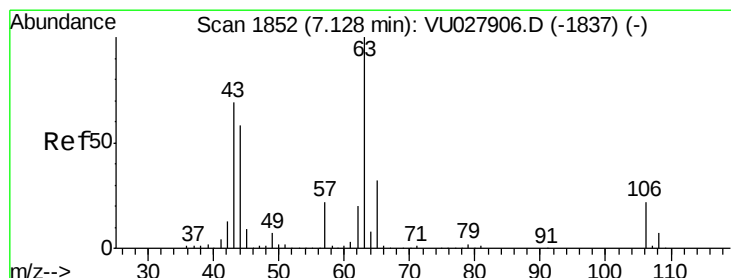
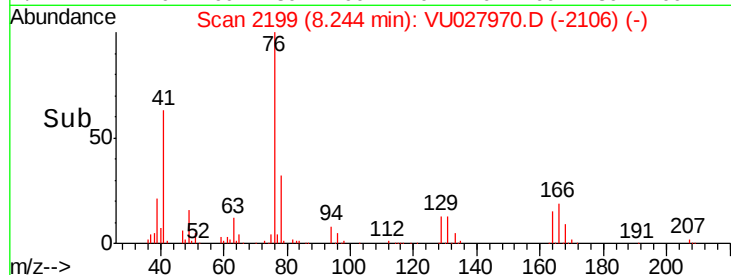
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.358 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027970.D

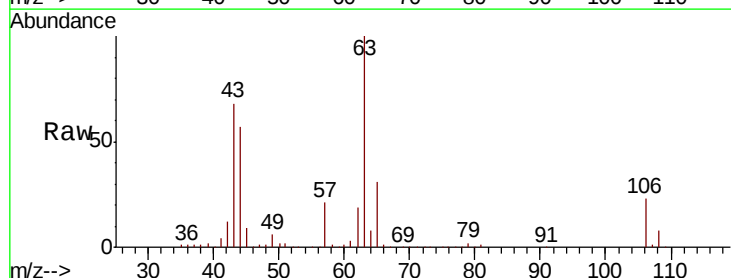
Acq: 06 Nov 2018 08:21

Tgt Ion: 63 Resp: 673229

Ion Ratio Lower Upper

63 100

106 22.6 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

400000

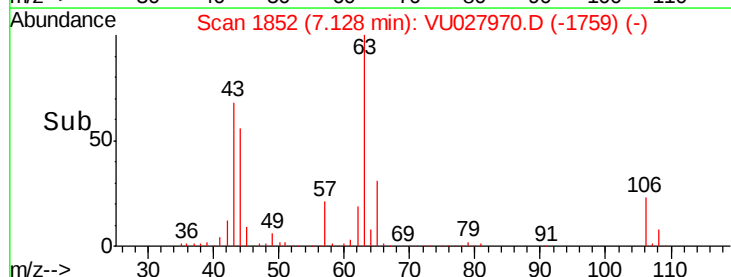
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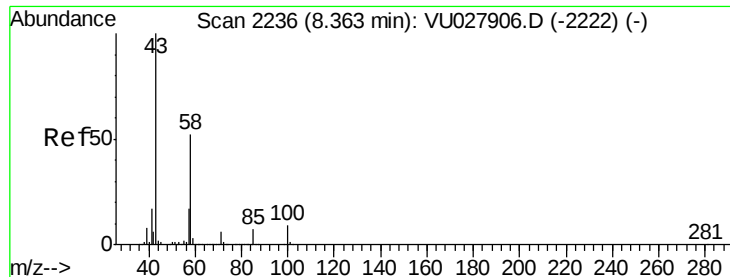
200000

100000

0

Time-->





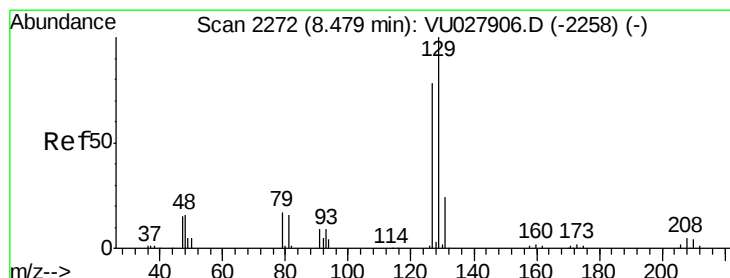
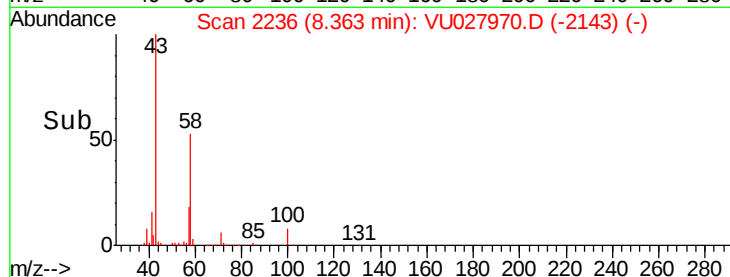
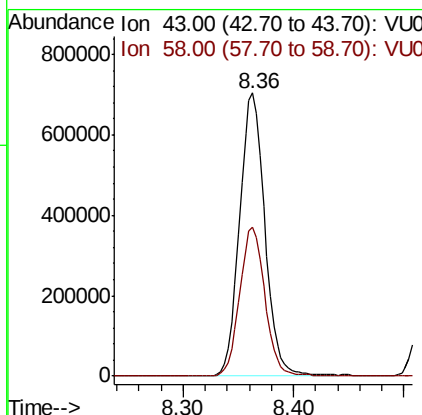
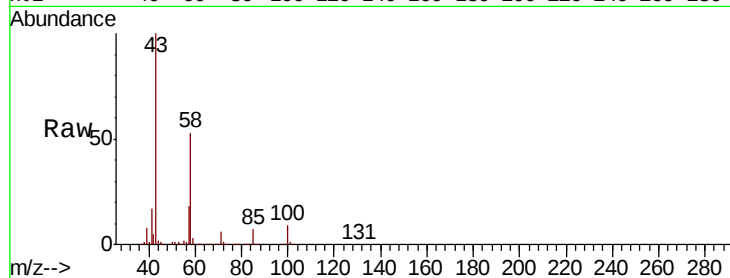
#59
2-Hexanone
Concen: 239.626 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1119643
Ion Ratio Lower Upper
43 100
58 52.9 25.8 77.3

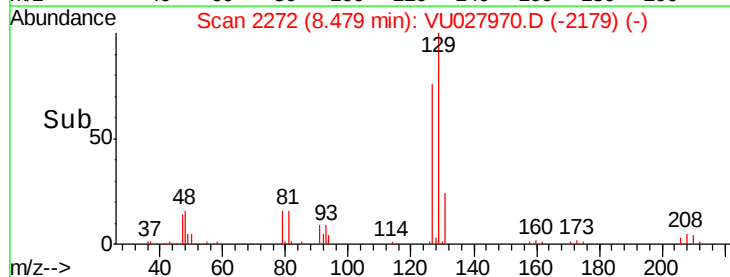
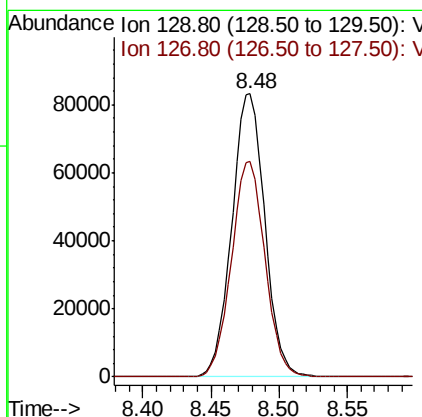
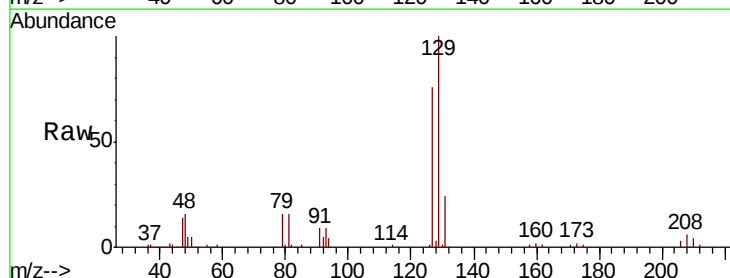
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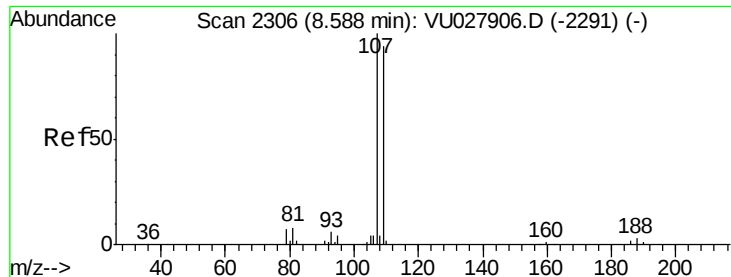
MMDadoda
11/6/2018 5:42:40 PM



#60
Dibromochloromethane
Concen: 51.325 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion: 129 Resp: 139955
Ion Ratio Lower Upper
129 100
127 77.3 39.2 117.6





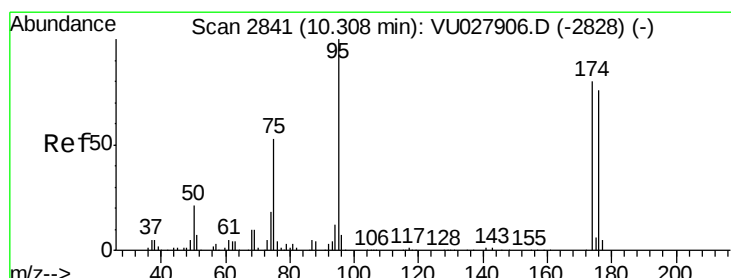
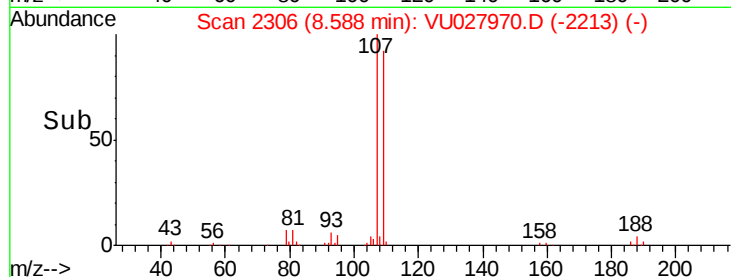
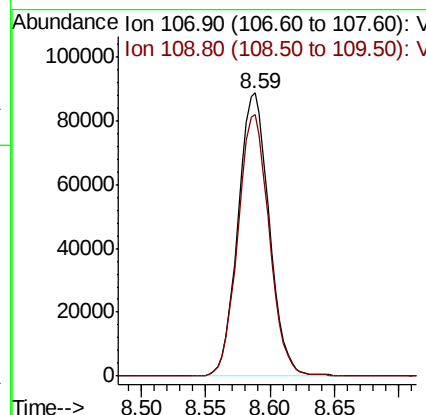
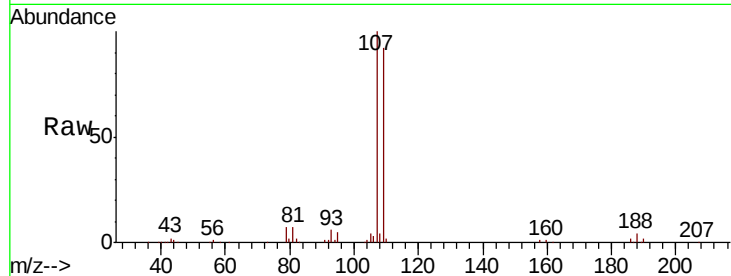
#61
 1,2-Dibromoethane
 Concen: 48.716 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.8	110.8

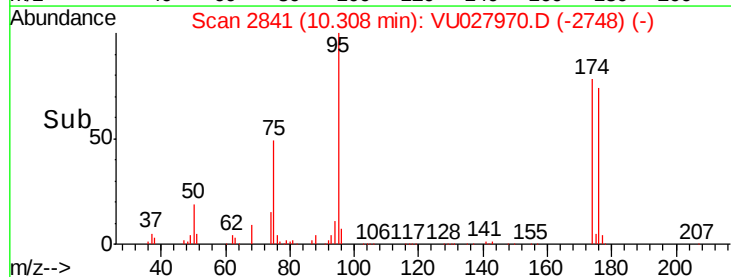
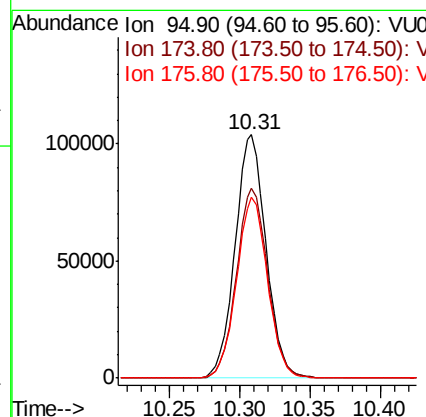
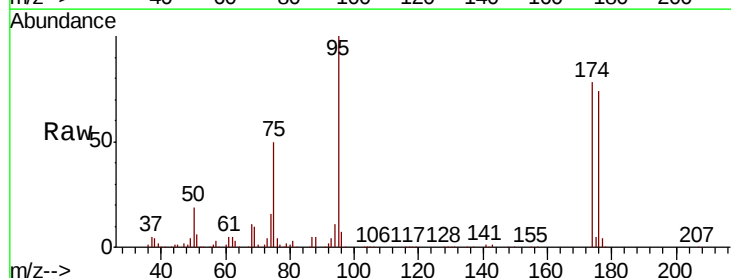
Manual Integrations
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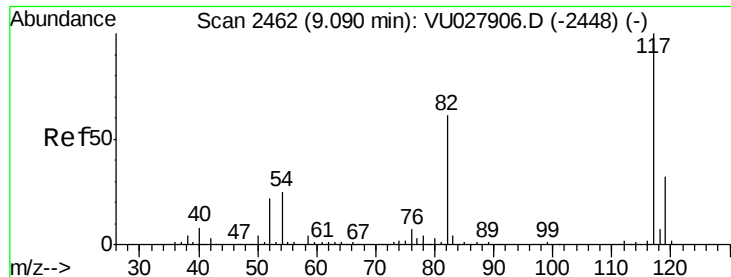
MMDadoda
 11/6/2018 5:42:40 PM



#62
 4-Bromofluorobenzene
 Concen: 47.232 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	156.4
176	74.7	0.0	150.8





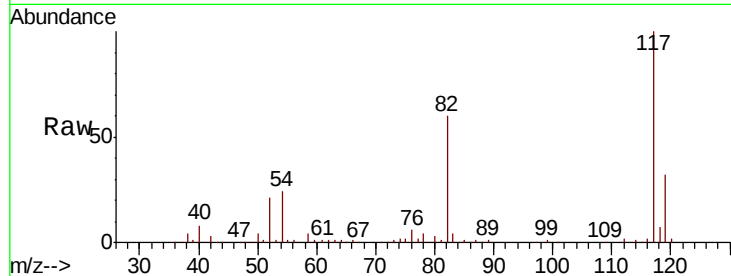
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	73.0
119	31.8	25.8	38.8

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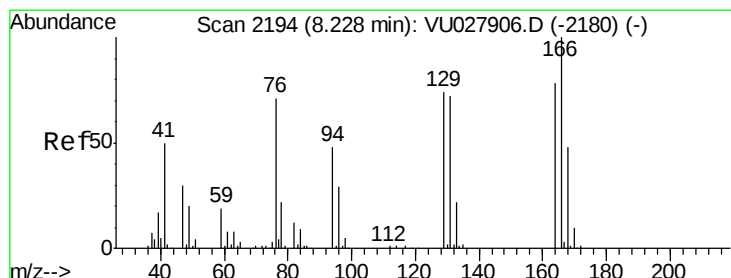
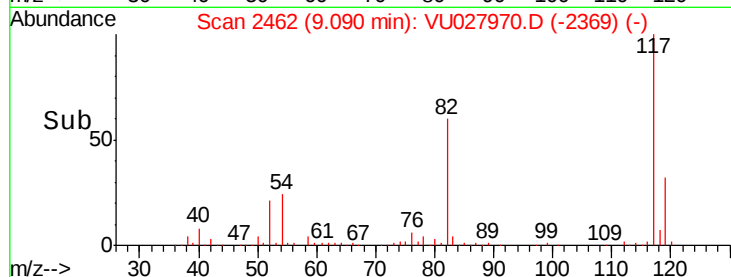
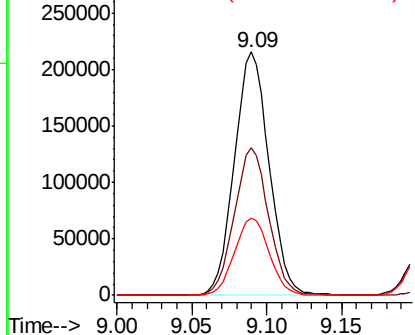


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.473 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.1	153.1
129	96.2	75.9	113.9
131	92.3	73.0	109.6

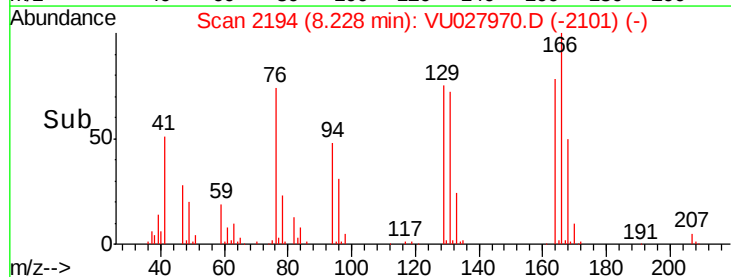
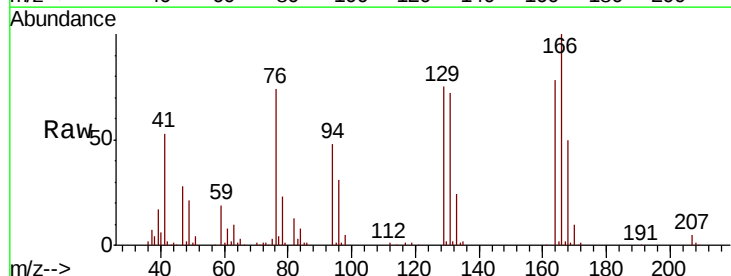
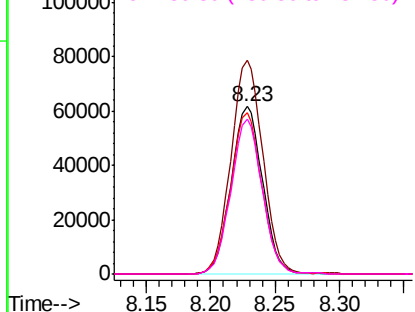
Abundance

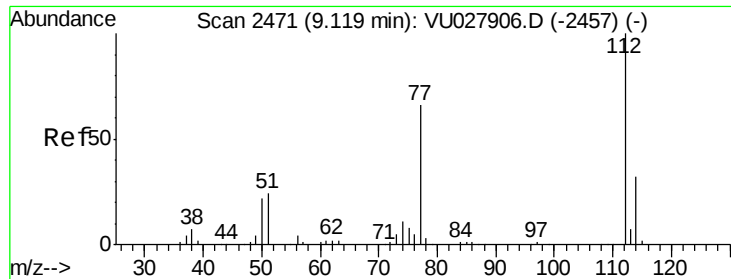
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





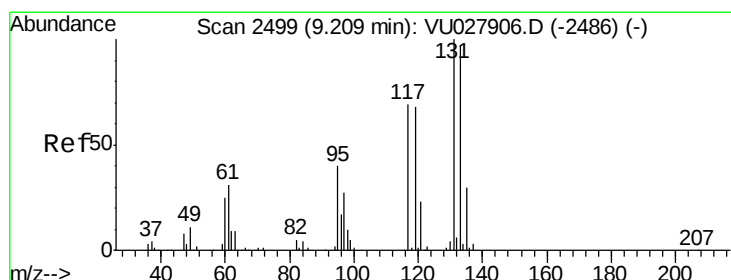
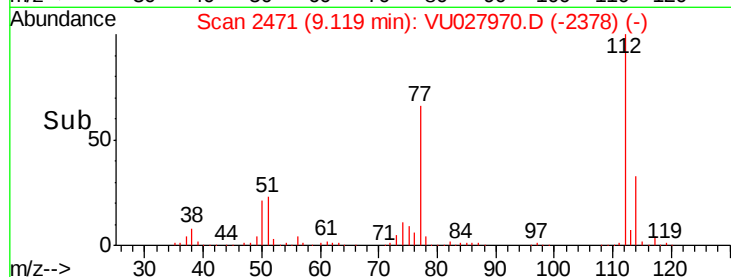
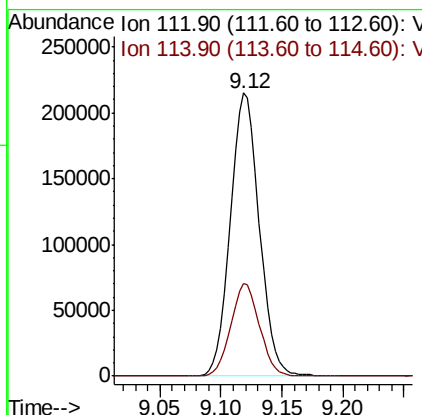
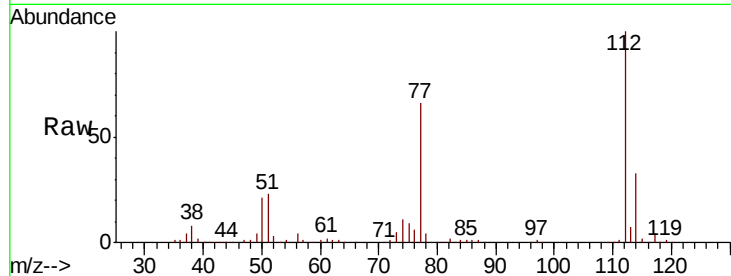
#65
Chlorobenzene
Concen: 48.572 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.2	37.8

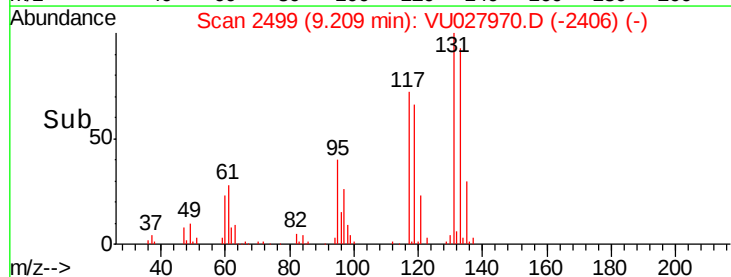
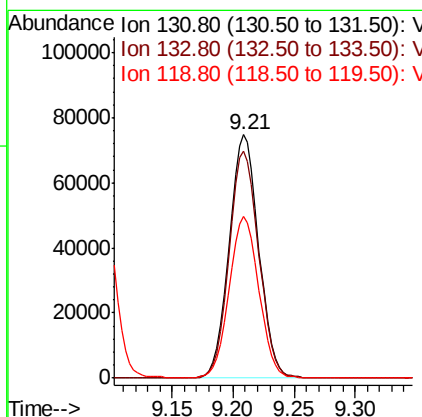
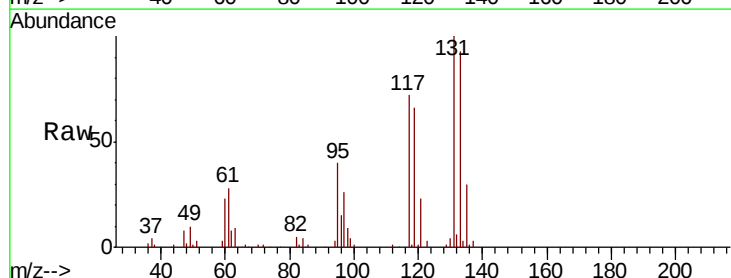
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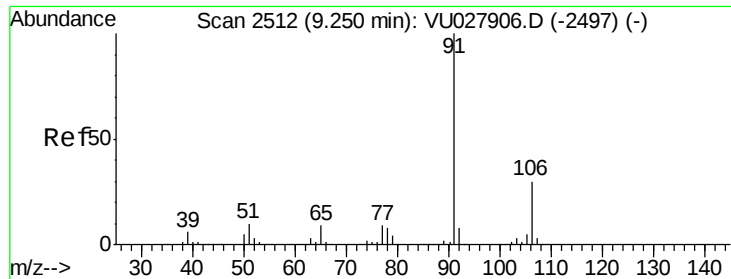
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.217 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.1	144.4
119	67.2	34.0	101.8





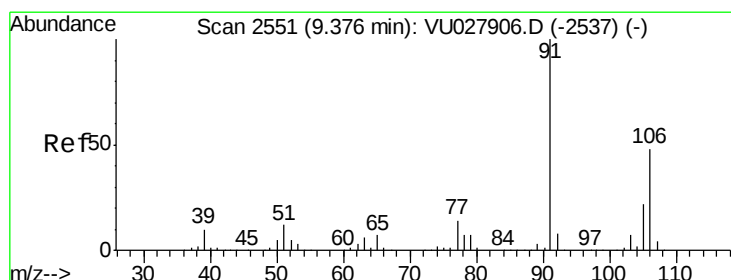
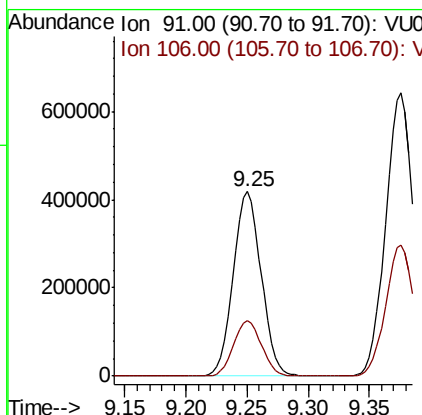
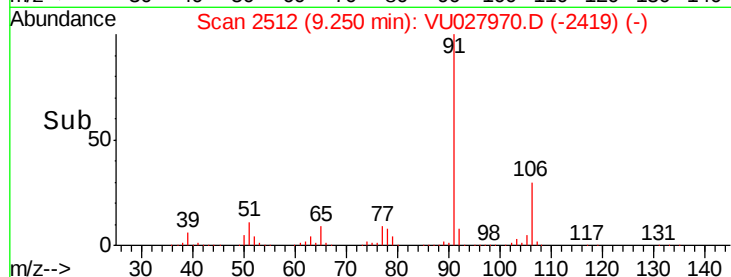
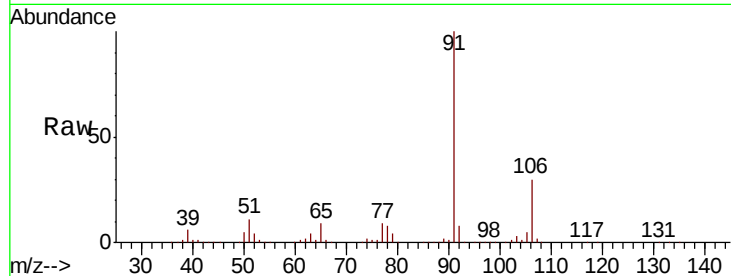
#67
Ethyl Benzene
Concen: 49.367 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 667357
Ion Ratio Lower Upper
91 100
106 30.3 23.6 35.4

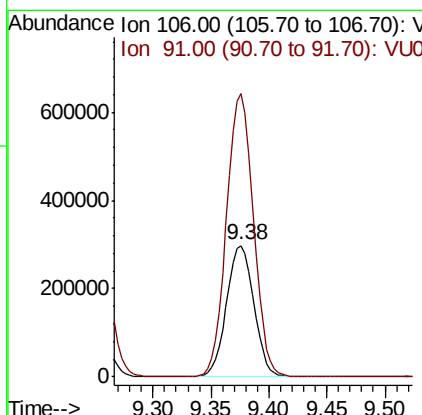
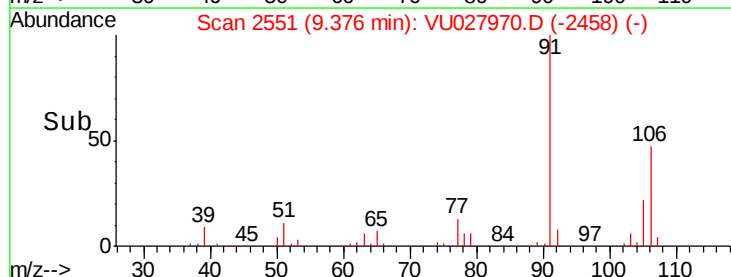
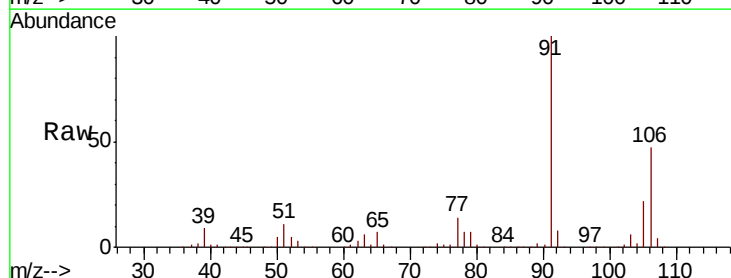
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#68
m/p-Xylenes
Concen: 98.838 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion: 106 Resp: 484793
Ion Ratio Lower Upper
106 100
91 213.8 168.2 252.4





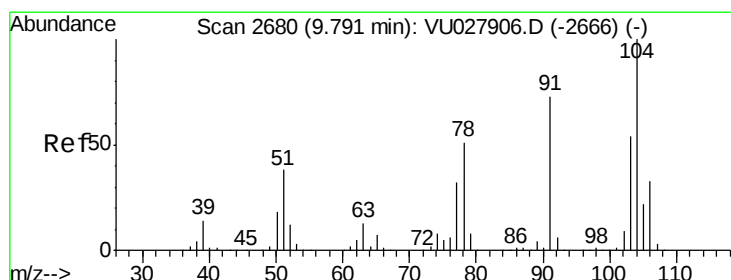
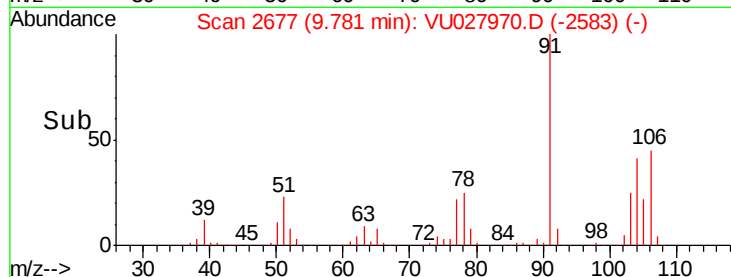
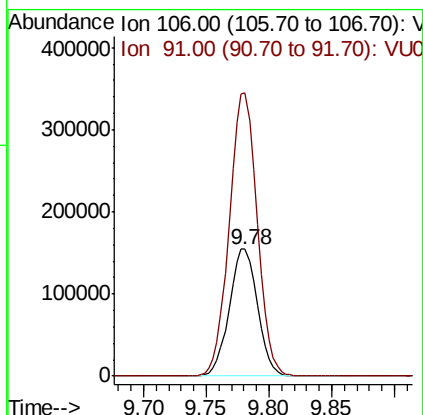
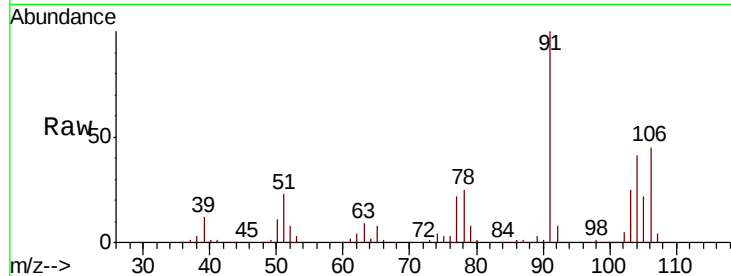
#69
o-Xylene
Concen: 48.693 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 241176
Ion Ratio Lower Upper
106 100
91 220.6 111.1 333.4

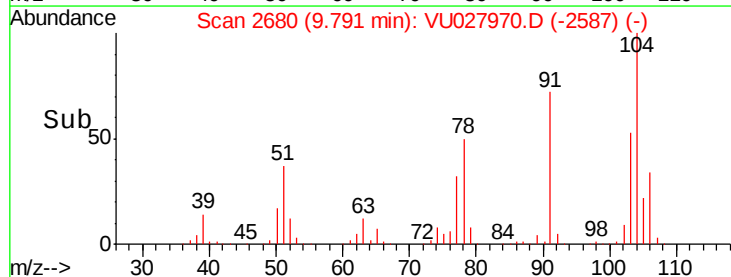
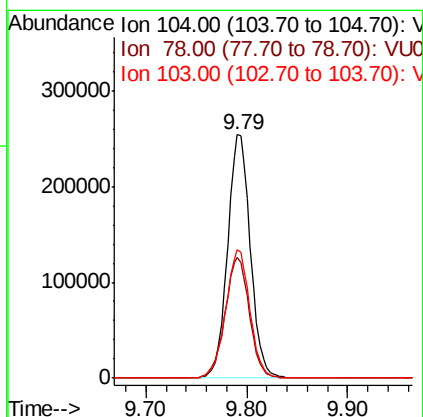
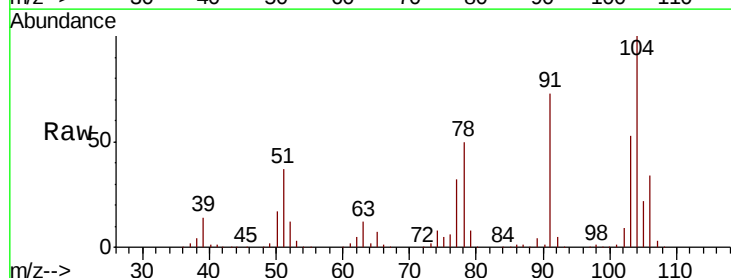
Manual Integrations
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#70
Styrene
Concen: 50.716 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion:104 Resp: 401365
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.4
103 55.5 45.1 67.7





#71

Bromoform

Concen: 51.853 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

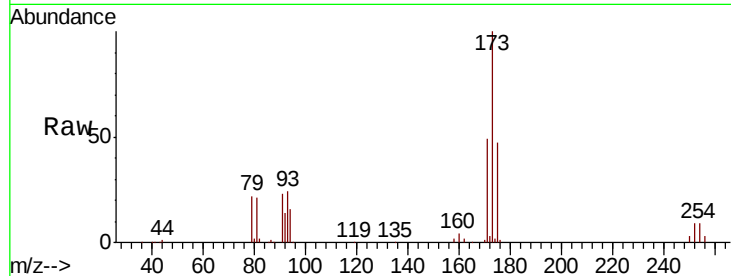
ClientSampleId :

VSTDCCC050

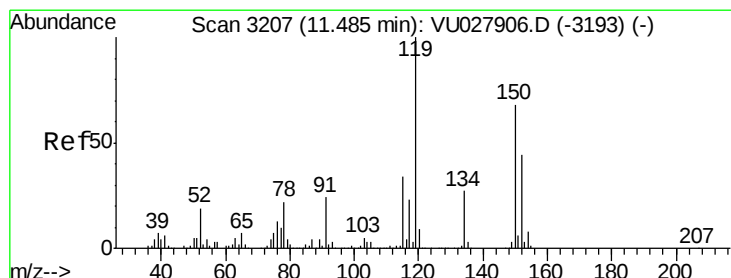
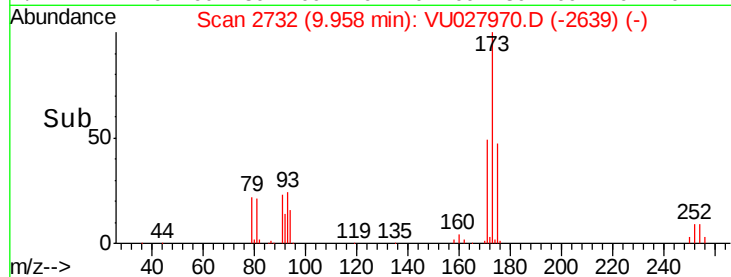
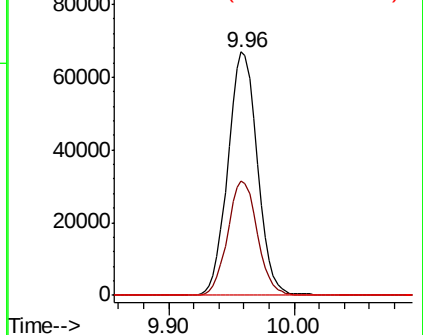
Tot Ion:	173	Resp:	109012
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.3	72.8
254	0.0	0.0	0.0

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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

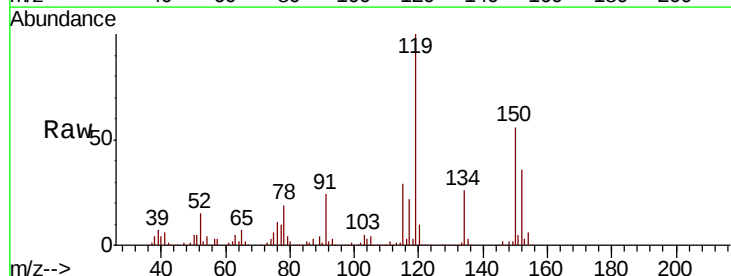
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

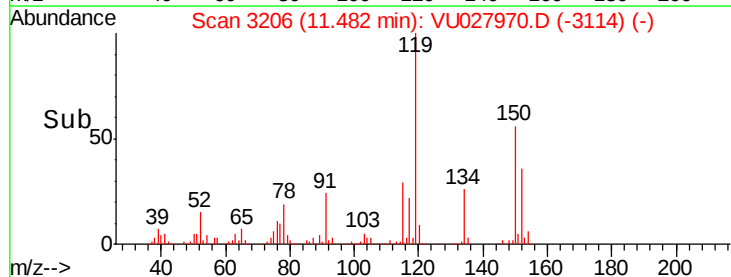
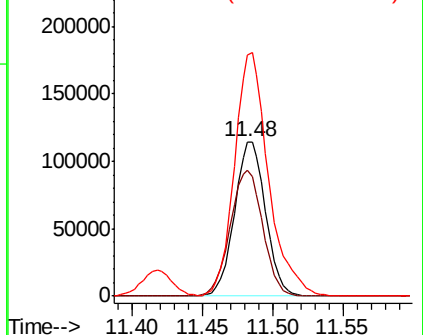
Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	152	Resp:	176044
Ion Ratio	Lower	Upper	
152	100		
115	85.8	43.0	129.0
150	173.1	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: 47.473 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 647441

Ion Ratio Lower Upper

105 100

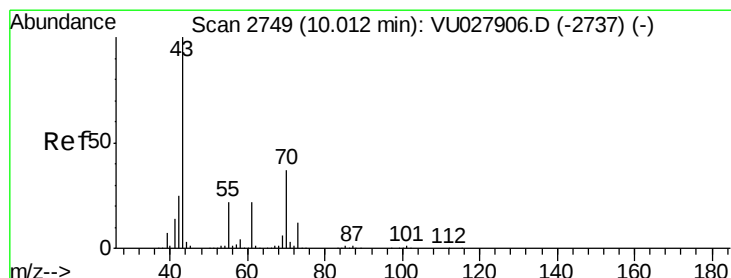
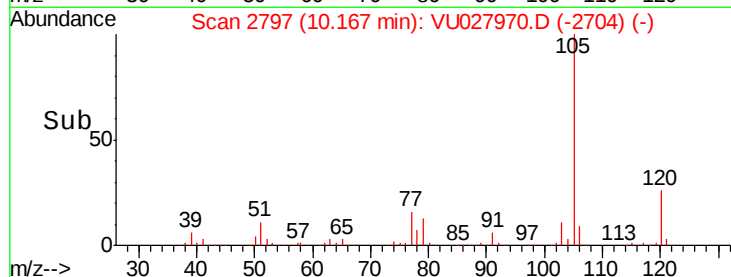
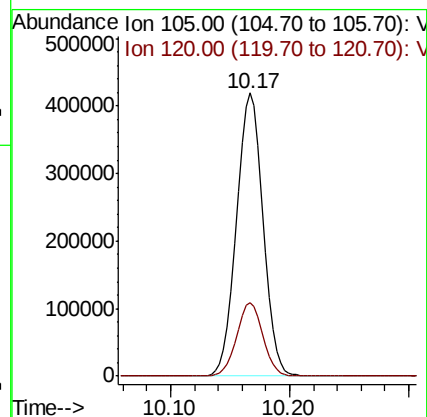
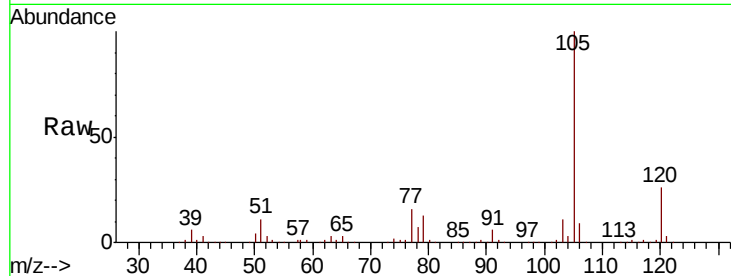
120 25.7 12.7 38.0

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#74

N-ethyl acetate

Concen: 47.448 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion: 43 Resp: 391284

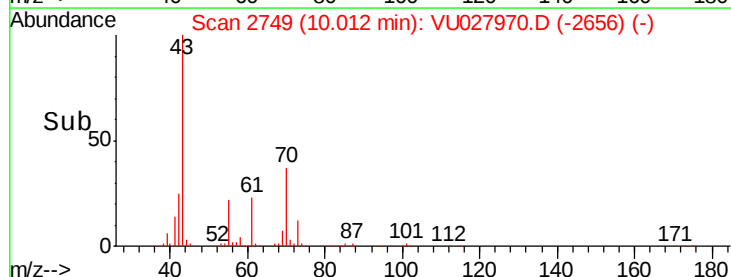
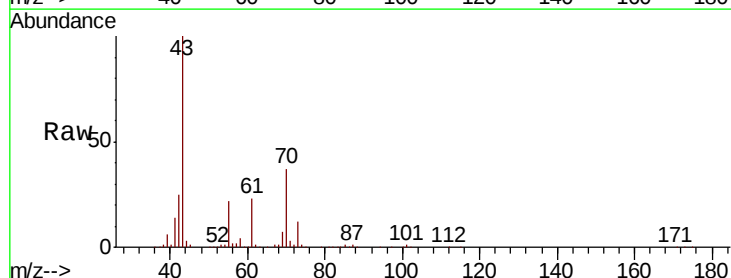
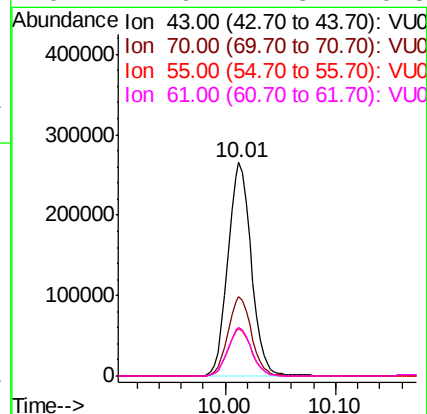
Ion Ratio Lower Upper

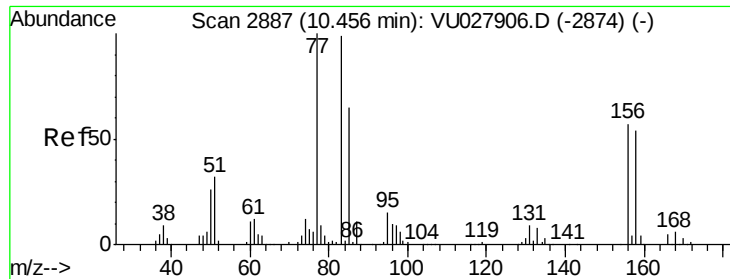
43 100

70 37.4 29.2 43.8

55 22.4 17.8 26.6

61 22.9 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.416 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 249838

Ion Ratio Lower Upper

83 100

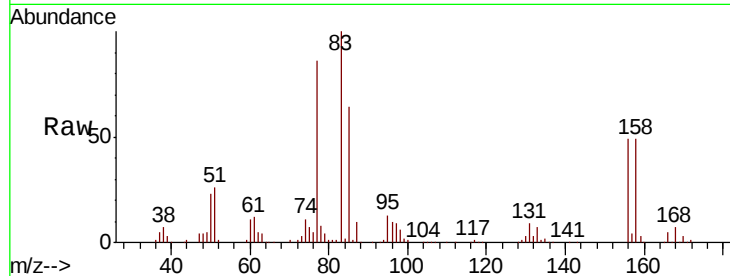
131 8.8 4.3 13.1

85 64.7 32.4 97.2

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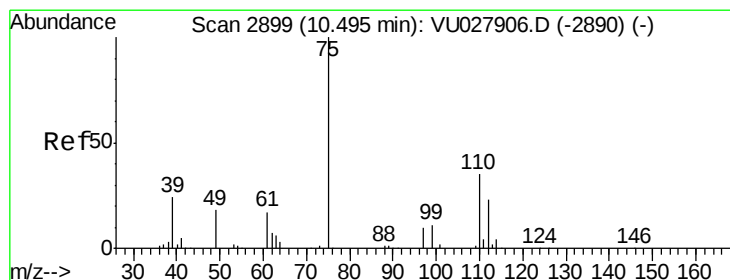
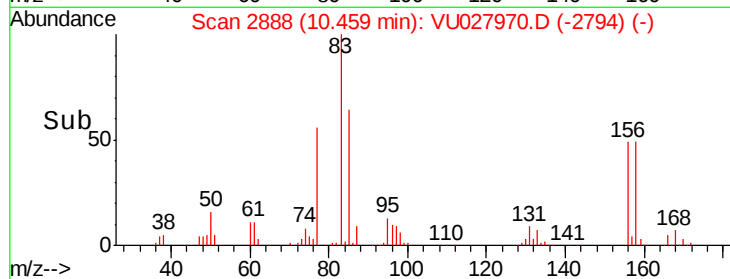
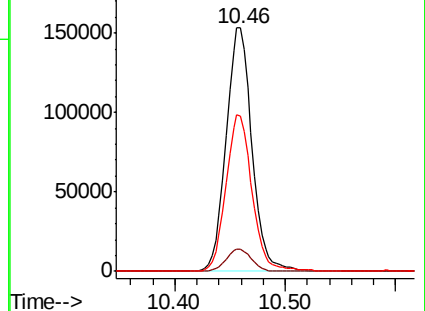
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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 54.274 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027970.D

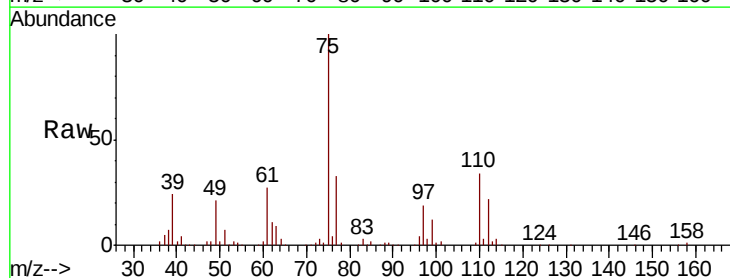
Acq: 06 Nov 2018 08:21

Tgt Ion: 75 Resp: 261345

Ion Ratio Lower Upper

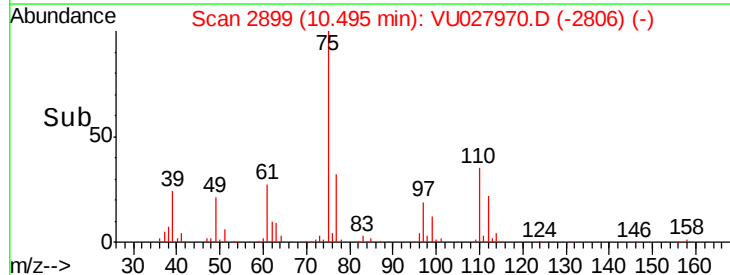
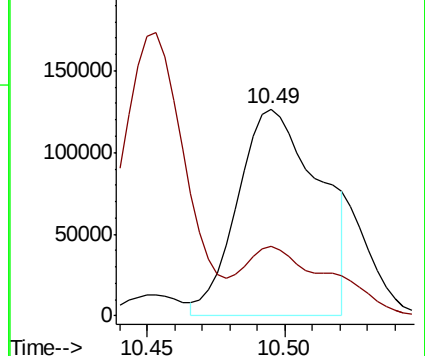
75 100

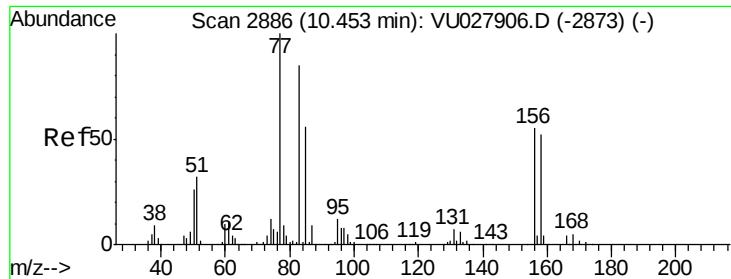
77 36.1 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.306 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

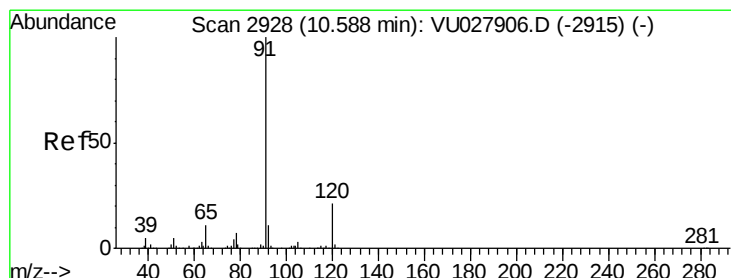
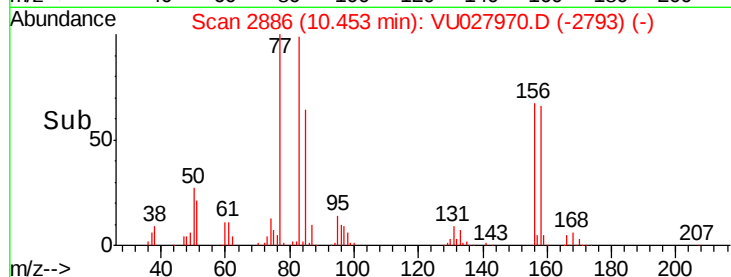
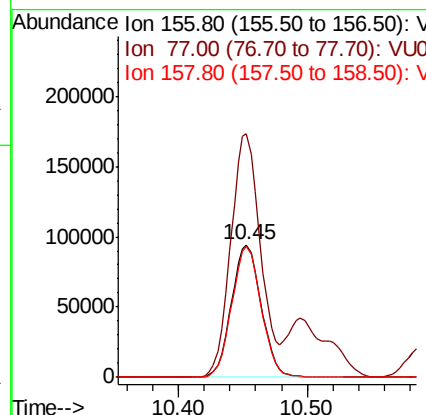
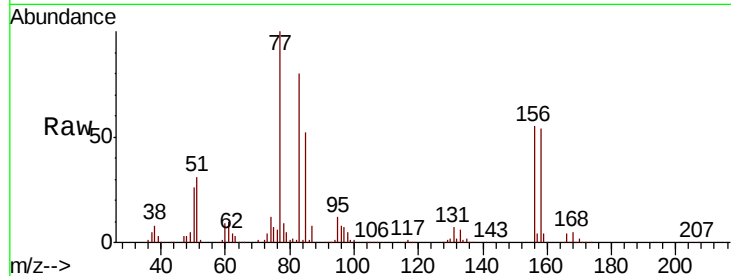
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		151062		
77	184.0	91.8	275.6		
158	97.5	48.4	145.2		

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#78

n-propylbenzene

Concen: 49.232 ug/l

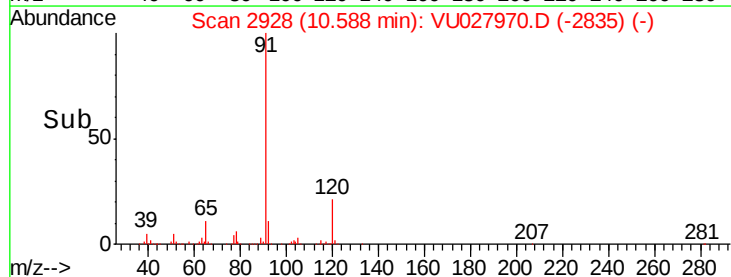
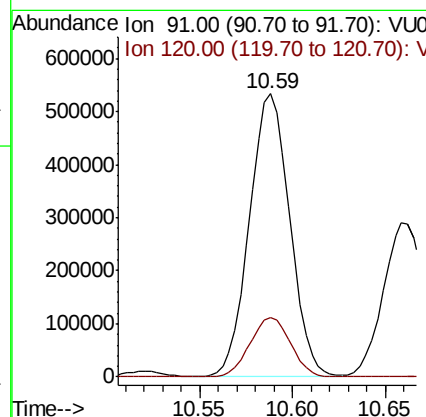
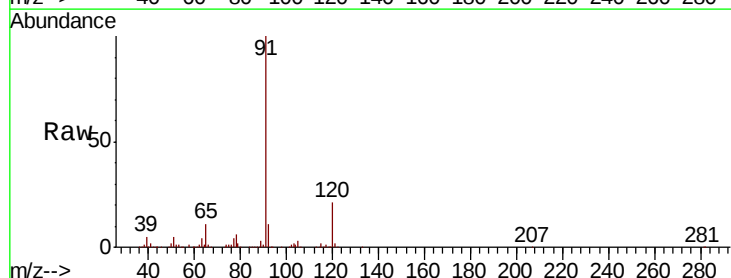
RT: 10.59 min Scan# 2928

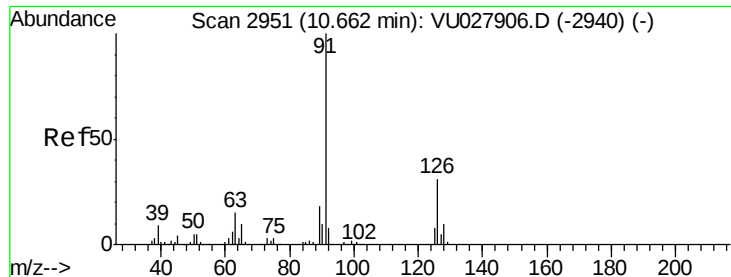
Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		803686		
120	21.1	10.6	31.8		





#79

2-Chlorotoluene

Concen: 46.938 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 459292

Ion Ratio Lower Upper

91 100

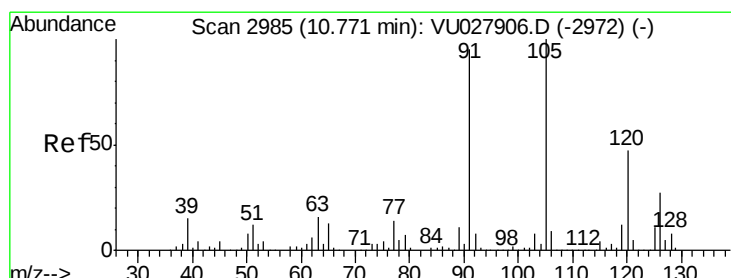
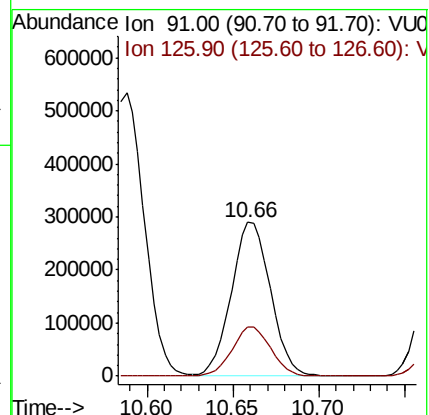
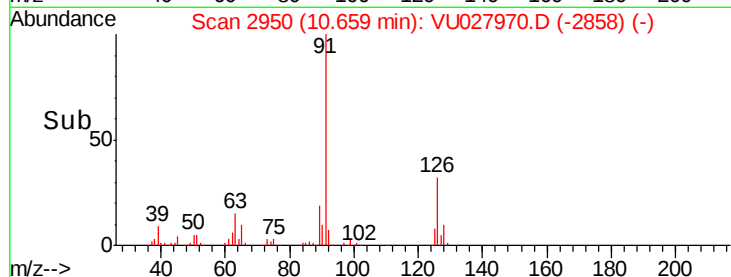
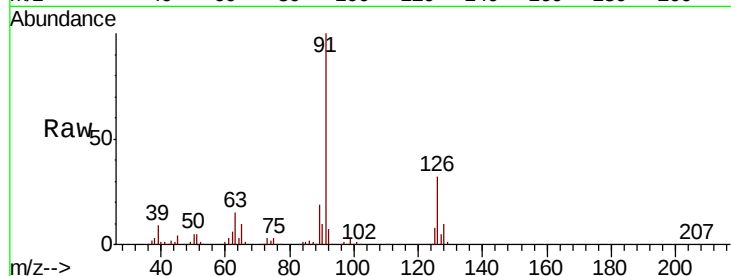
126 31.7 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 48.186 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027970.D

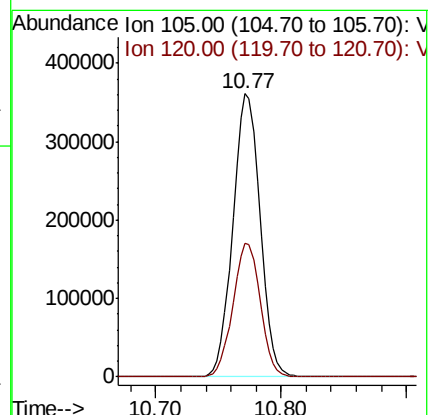
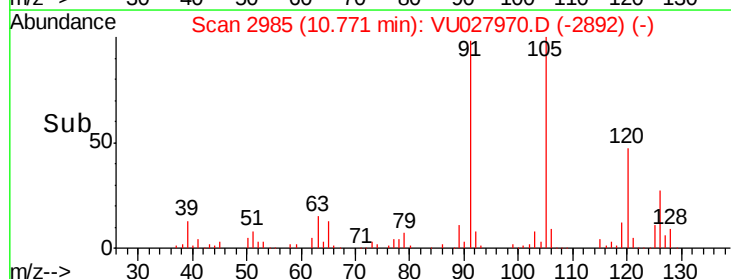
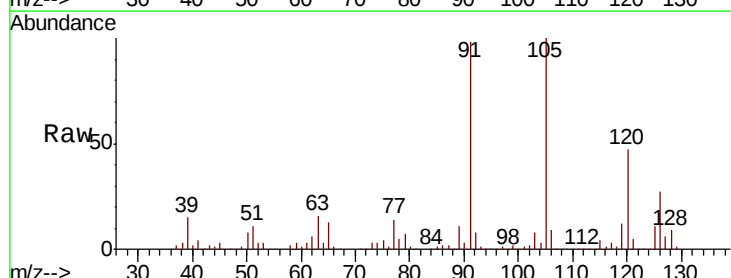
Acq: 06 Nov 2018 08:21

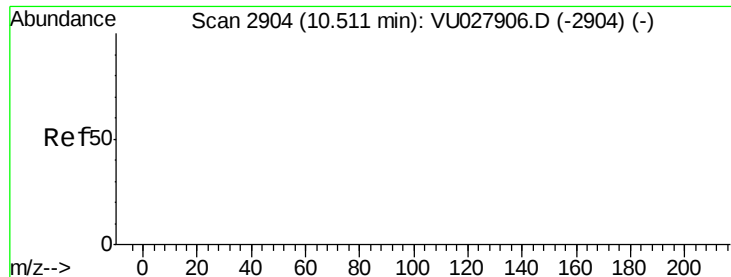
Tgt Ion: 105 Resp: 544382

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 54.098 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

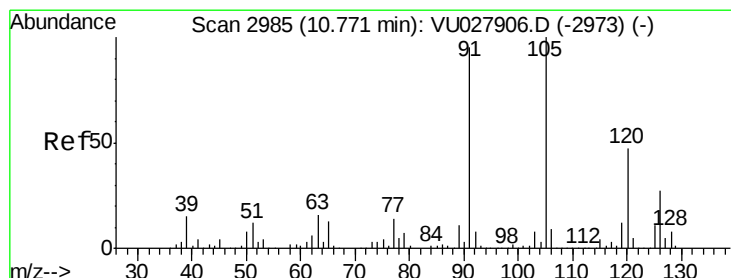
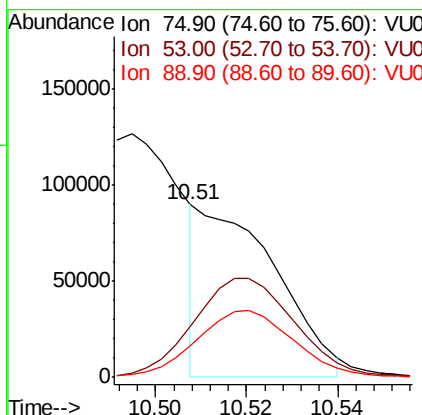
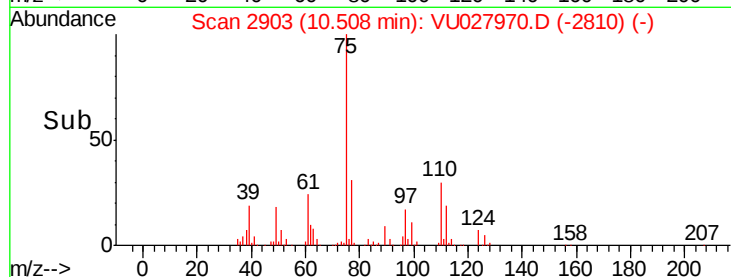
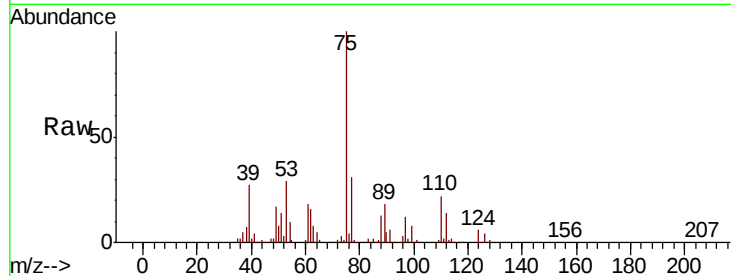
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

Tot 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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#82

4-Chlorotoluene

Concen: 48.461 ug/l

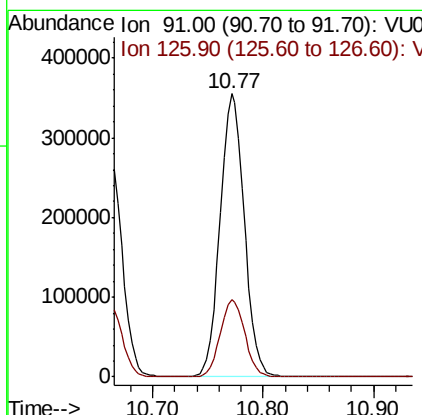
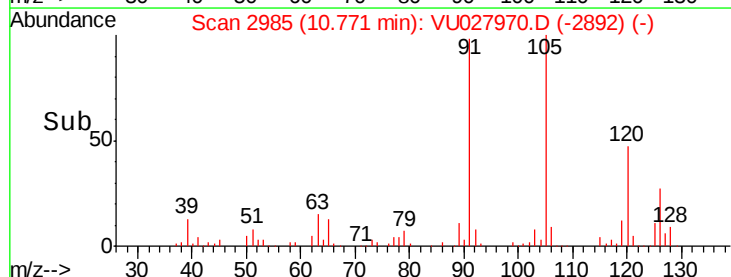
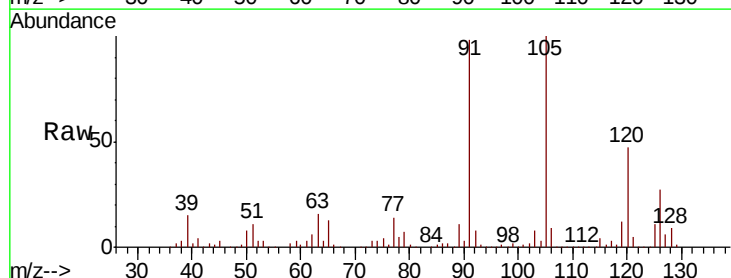
RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.2	42.6





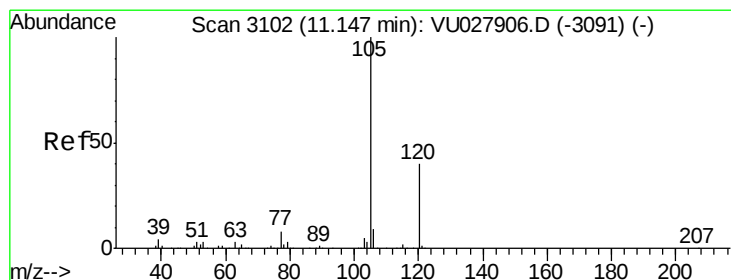
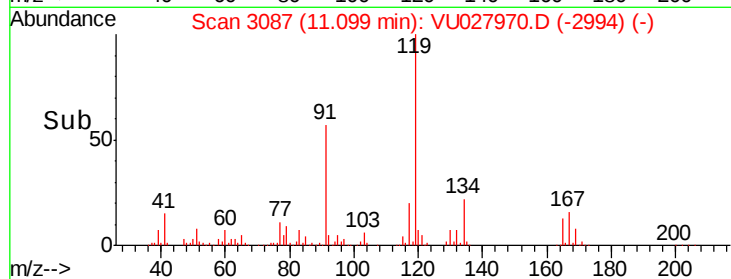
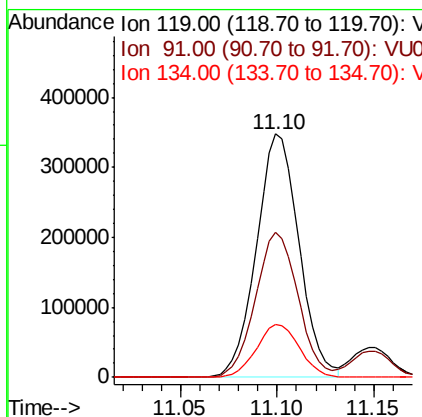
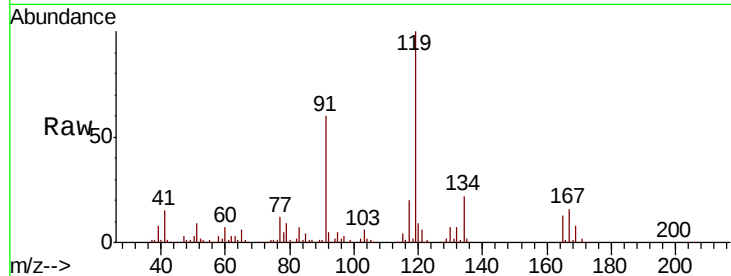
#83
 tert-Butylbenzene
 Concen: 47.207 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.8	89.3
134	22.0	11.1	33.1

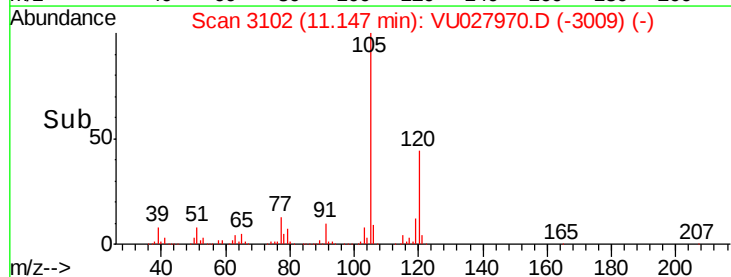
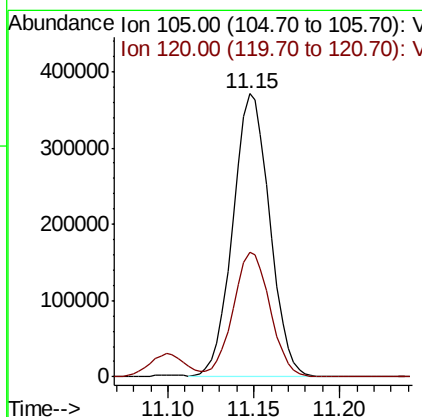
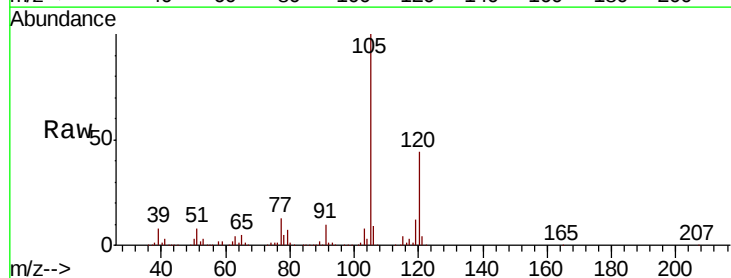
Manual Integrations
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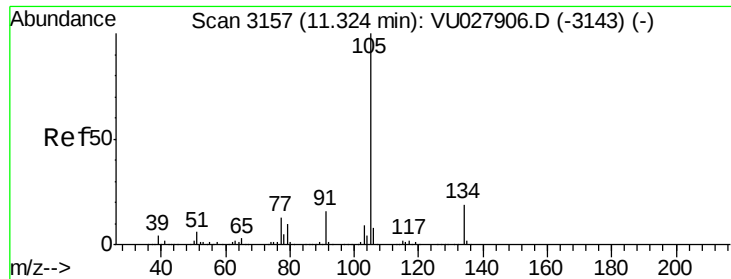
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.696 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 49.928 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 685795

Ion Ratio Lower Upper

105 100

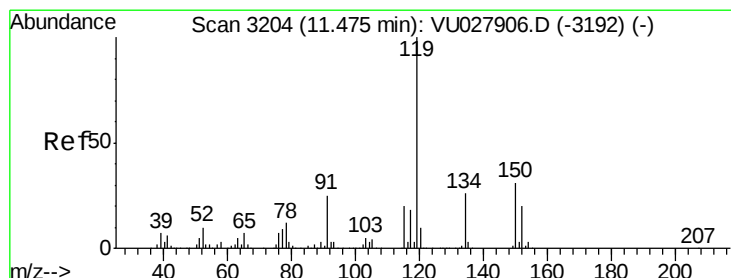
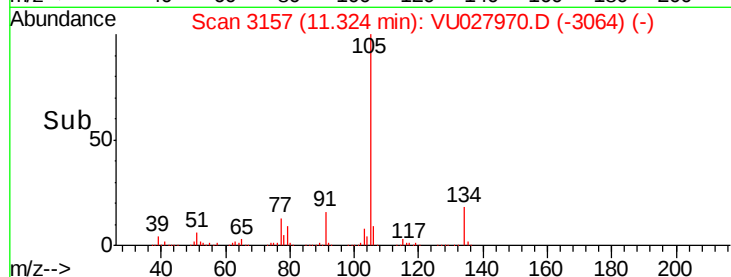
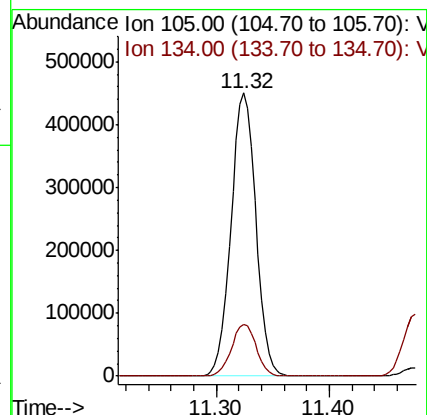
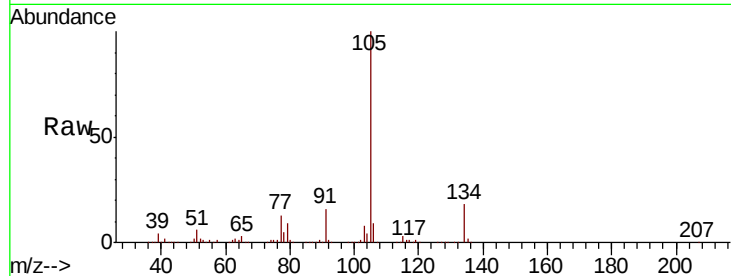
134 18.4 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 50.277 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

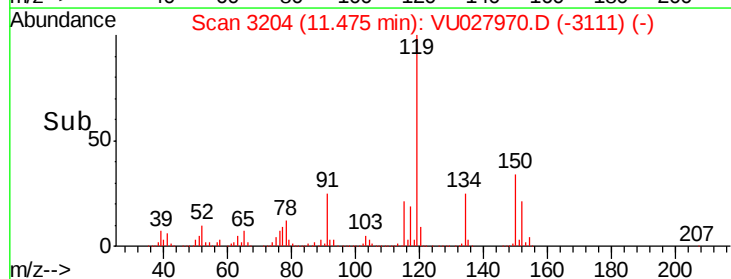
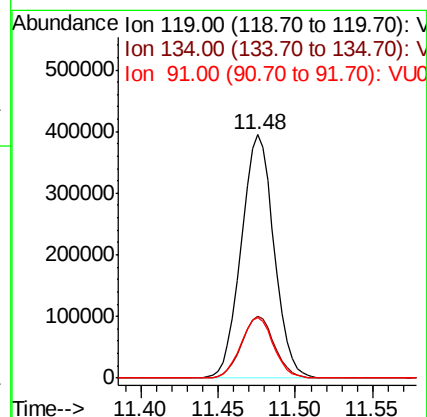
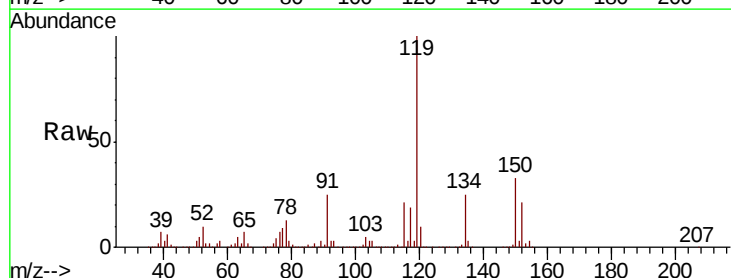
Tgt Ion:119 Resp: 577313

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

91 24.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.070 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Instrument :

MSVOA_U

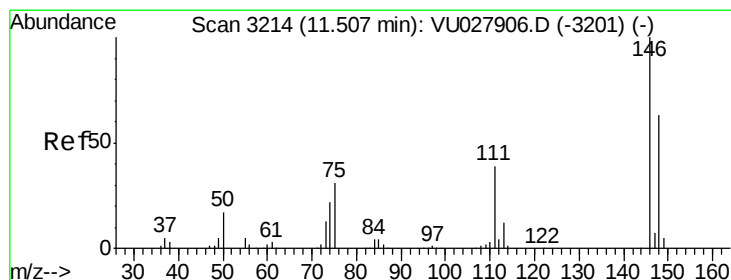
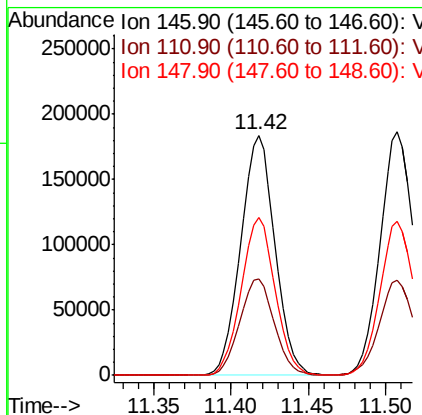
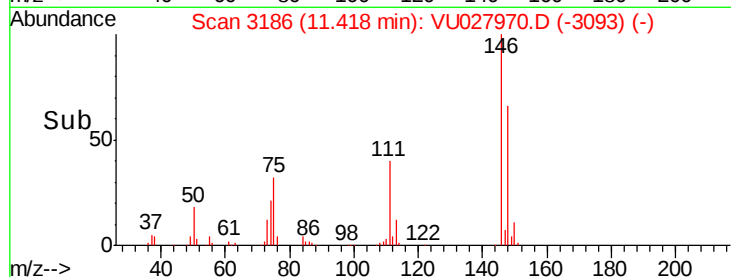
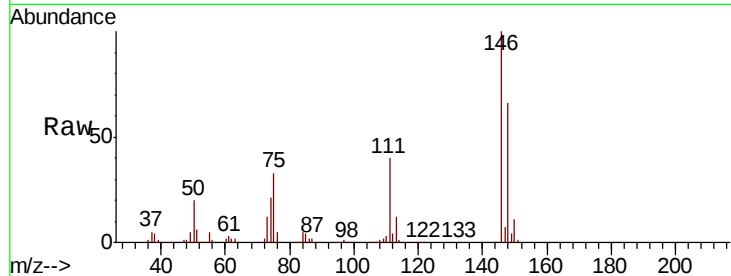
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	283468
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	61.0
148	65.0	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.567 ug/l

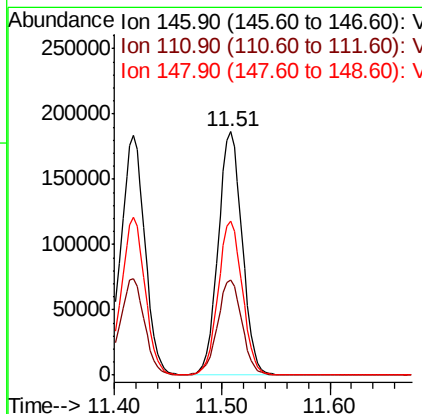
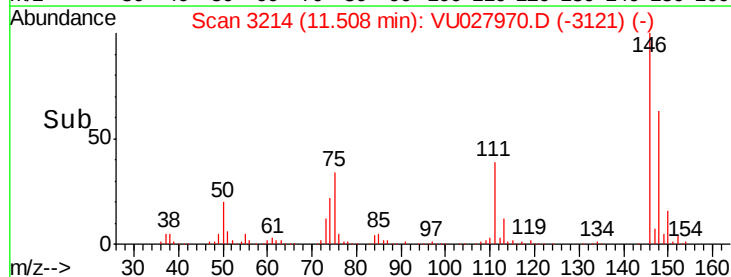
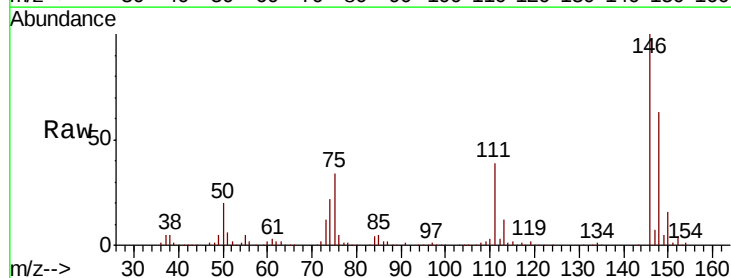
RT: 11.51 min Scan# 3214

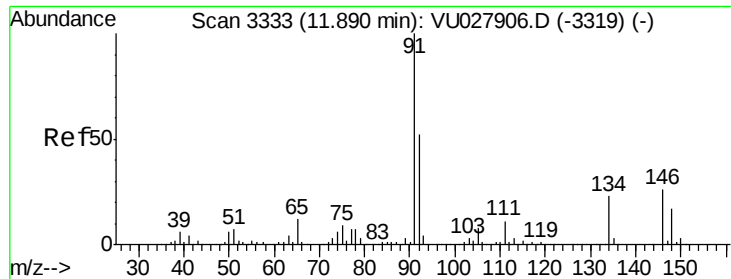
Delta R.T. 0.00 min

Lab File: VU027970.D

Acq: 06 Nov 2018 08:21

Tgt Ion:	146	Resp:	287565
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.9
148	64.0	32.0	96.2





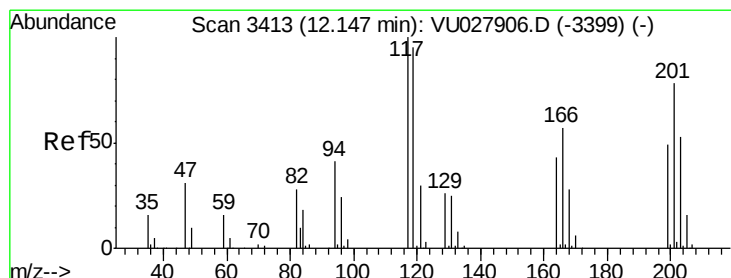
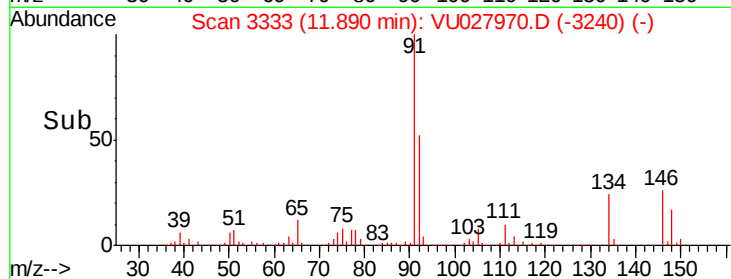
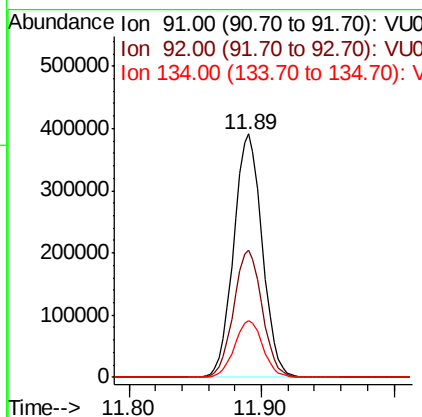
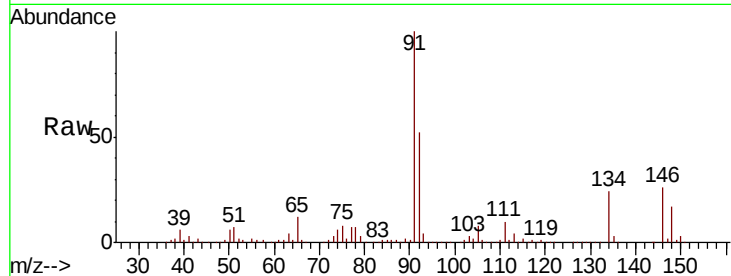
#89
n-Butylbenzene
Concen: 53.474 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	23.2	11.5	34.5

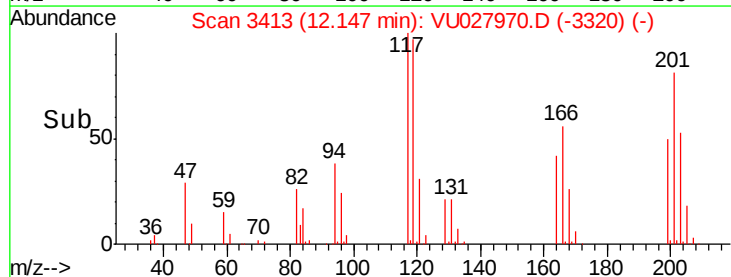
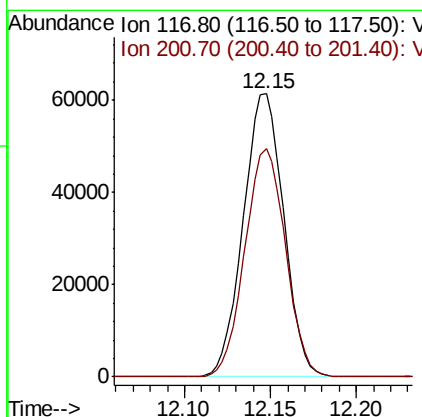
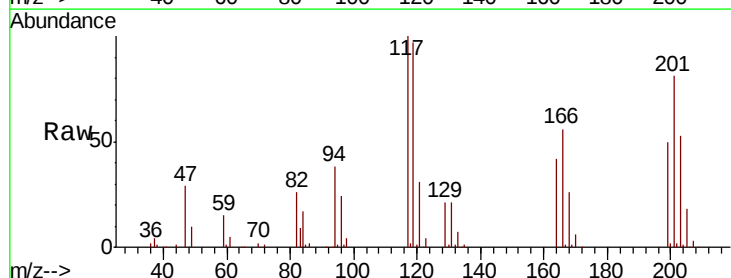
Manual Integrations
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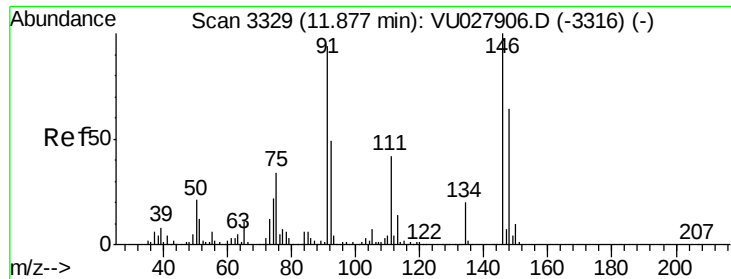
MMDadoda
11/6/2018 5:42:40 PM



#90
Hexachloroethane
Concen: 49.052 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	38.5	115.5





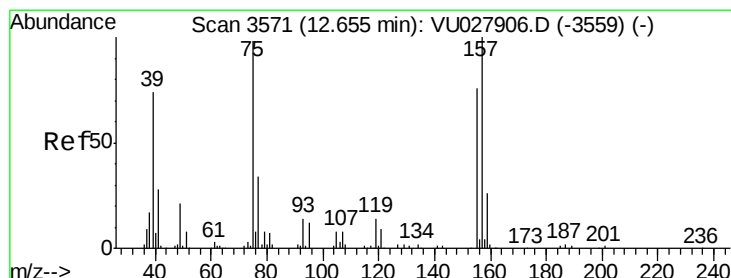
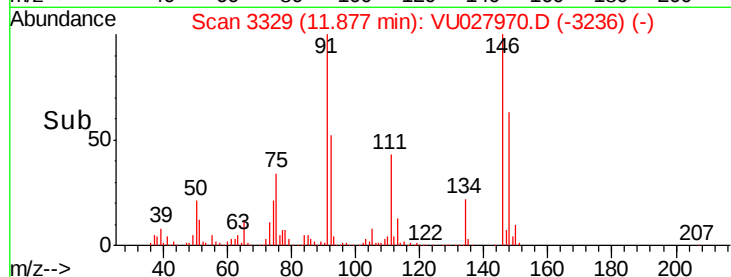
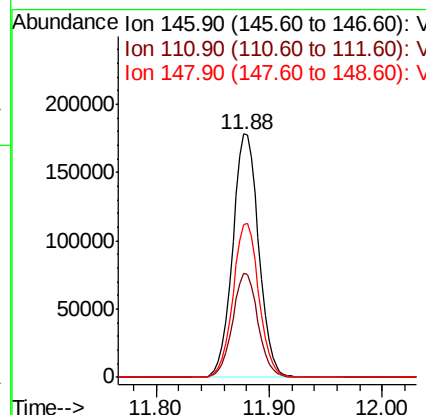
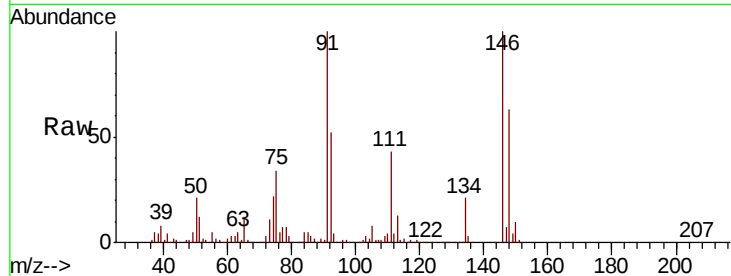
#91
 1,2-Dichlorobenzene
 Concen: 49.046 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	64.0
148	63.0	31.8	95.3

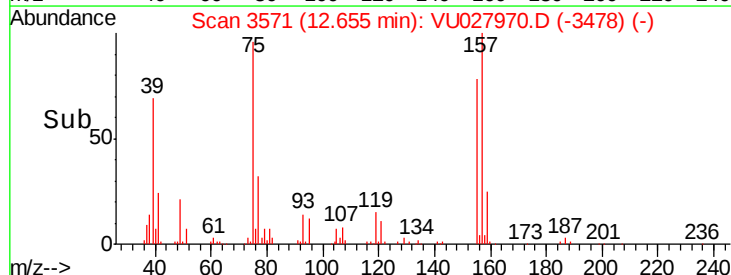
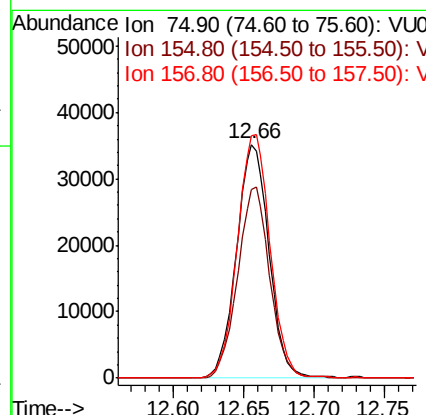
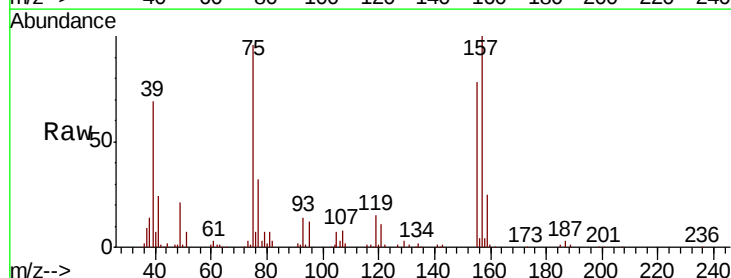
Manual Integrations
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 11/6/2018 5:42:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.172 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	39.8	119.3
157	104.7	50.6	151.9





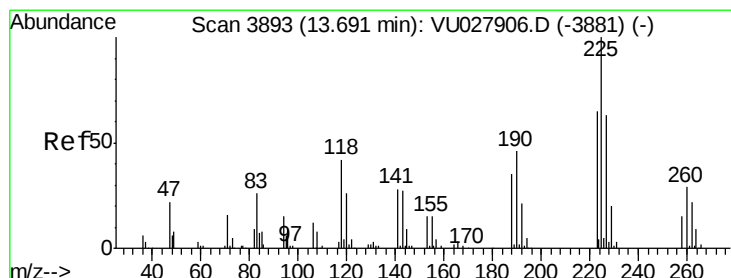
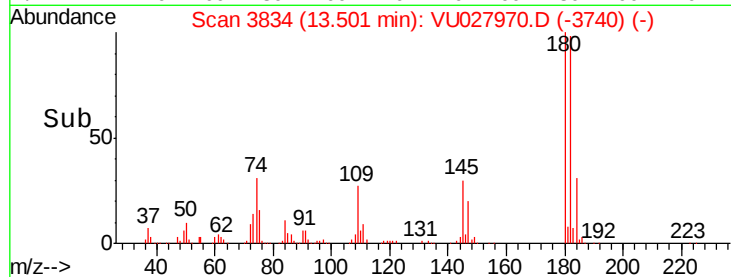
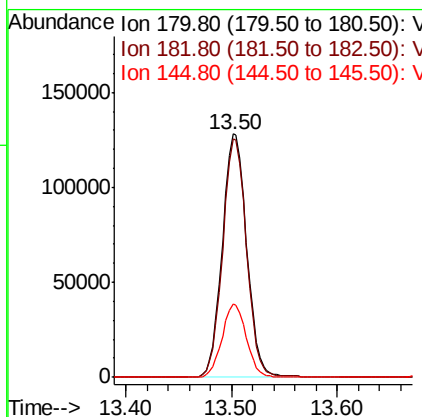
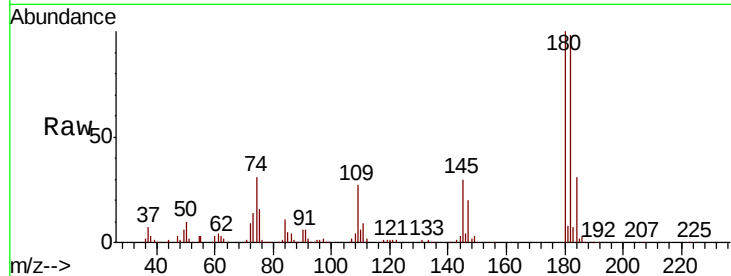
#93
 1,2,4-Trichlorobenzene
 Concen: 50.358 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205189		
182	96.0		48.4	145.2
145	29.8		14.9	44.5

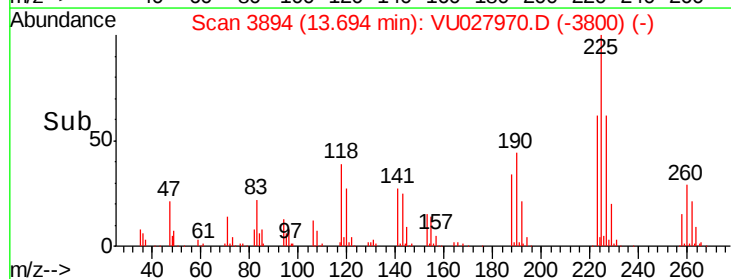
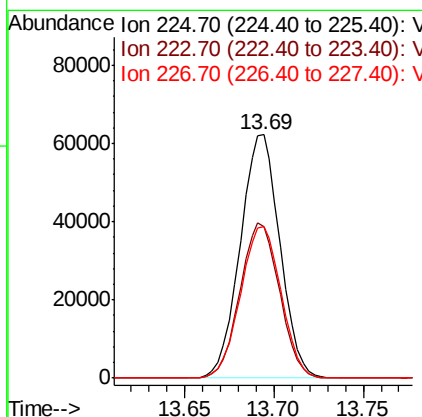
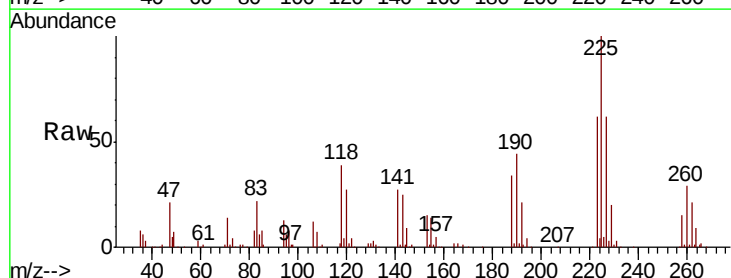
Manual Integrations
 APPROVED

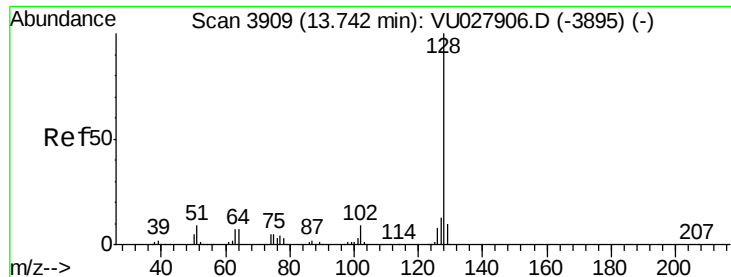
MMDadoda
 11/6/2018 5:42:40 PM



#94
 Hexachlorobutadiene
 Concen: 52.418 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027970.D
 Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96781		
223	63.3		32.2	96.6
227	63.7		32.5	97.4





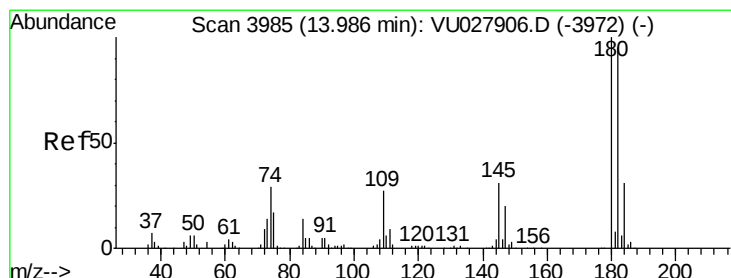
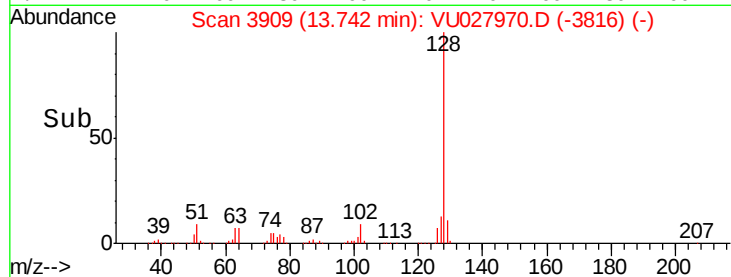
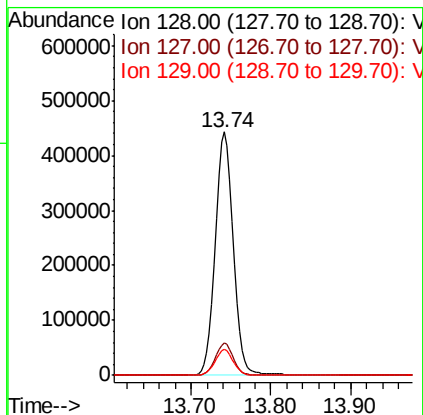
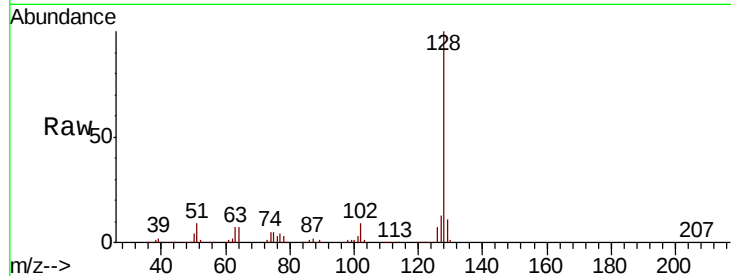
#95
Naphthalene
Concen: 48.471 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.896 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027970.D
Acq: 06 Nov 2018 08:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.3
145	31.4	16.0	47.9

