

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027968.D
 Acq On : 05 Nov 2018 19:24
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:07:03 PM

Quant Time: Nov 06 04:50:17 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	4.99	168	207928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	361212	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	337969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	170611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	143009	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	4.88	113	108463	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	7.57	98	417149	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	10.31	95	158483	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	108425	41.038	ug/l	98
3) Chloromethane	1.33	50	146995	46.002	ug/l	100
4) Vinyl Chloride	1.40	62	152190	47.988	ug/l	99
5) Bromomethane	1.61	94	69047	52.362	ug/l	99
6) Chloroethane	1.69	64	85884	46.992	ug/l	98
7) Trichlorofluoromethane	1.88	101	172451	47.057	ug/l	95
8) Diethyl Ether	2.11	74	77695	49.513	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.29	101	107801	49.517	ug/l	98
10) Methyl Iodide	2.41	142	97293	48.869	ug/l	97
11) Tert butyl alcohol	2.83	59	196638	240.274	ug/l	100
12) 1,1-Dichloroethene	2.28	96	102825	47.185	ug/l	96
13) Acrolein	2.20	56	85005	283.278	ug/l	97
14) Allyl chloride	2.59	41	237041	44.506	ug/l	99
15) Acrylonitrile	2.94	53	488662	243.079	ug/l	99
16) Acetone	2.32	43	422968	220.525	ug/l	98
17) Carbon Disulfide	2.48	76	304315	42.723	ug/l	100
18) Methyl Acetate	2.62	43	248466	47.092	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	429312	48.852	ug/l	99
20) Methylene Chloride	2.70	84	132569	47.339	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	114987	45.722	ug/l	95
22) Diisopropyl ether	3.58	45	526703	47.900	ug/l	99
23) Vinyl Acetate	3.53	43	2293121	242.656	ug/l	100
24) 1,1-Dichloroethane	3.45	63	256194	46.776	ug/l	99
25) 2-Butanone	4.26	43	728868	238.866	ug/l	98
26) 2,2-Dichloropropane	4.23	77	187730	45.674	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	141344	50.119	ug/l	97
28) Bromochloromethane	4.55	49	119907	46.699	ug/l	99
29) Tetrahydrofuran	4.64	42	464688	228.066	ug/l	97
30) Chloroform	4.67	83	236093	47.013	ug/l	97
31) Cyclohexane	5.00	56	244517	45.336	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	192589	48.177	ug/l	98
36) 1,1-Dichloropropene	5.14	75	178488	47.180	ug/l	100
37) Ethyl Acetate	4.38	43	268918	48.514	ug/l	99
38) Carbon Tetrachloride	5.13	117	153064	45.655	ug/l	100

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MMDadoda
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Quant Time: Nov 06 04:50:17 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)
39) Methylcyclohexane	6.42	83	207894	45.562	ug/l	97
40) Benzene	5.39	78	554642	47.953	ug/l	100
41) Methacrylonitrile	4.54	41	147945	50.012	ug/l	98
42) 1,2-Dichloroethane	5.40	62	190811	46.411	ug/l	99
43) Isopropyl Acetate	5.55	43	417271	48.049	ug/l	99
44) Trichloroethene	6.19	130	120618	48.514	ug/l	97
45) 1,2-Dichloropropane	6.43	63	160393	48.084	ug/l	95
46) Dibromomethane	6.56	93	94969	49.531	ug/l	97
47) Bromodichloromethane	6.76	83	181551	49.134	ug/l	98
48) Methyl methacrylate	6.62	41	210066	49.361	ug/l	99
49) 1,4-Dioxane	6.61	88	71892	1035.429	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1400907	241.548	ug/l	99
52) Toluene	7.64	92	330174	48.556	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	213161	46.598	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	228349	50.131	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	136824	49.458	ug/l	97
56) Ethyl methacrylate	8.02	69	248010	50.836	ug/l	99
57) 1,3-Dichloropropane	8.24	76	246397	48.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	652418	249.694	ug/l	99
59) 2-Hexanone	8.36	43	1095133	244.140	ug/l	99
60) Dibromochloromethane	8.48	129	132702	50.691	ug/l	97
61) 1,2-Dibromoethane	8.59	107	146140	49.715	ug/l	99
64) Tetrachloroethene	8.23	164	99940	45.604	ug/l	97
65) Chlorobenzene	9.12	112	350553	49.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	120337	49.340	ug/l	99
67) Ethyl Benzene	9.25	91	654426	49.792	ug/l	100
68) m/p-Xylenes	9.38	106	477035	100.031	ug/l	100
69) o-Xylene	9.78	106	235198	48.842	ug/l	99
70) Styrene	9.79	104	390797	50.790	ug/l	99
71) Bromoform	9.96	173	101568	49.691	ug/l #	99
73) Isopropylbenzene	10.17	105	623303	47.159	ug/l	100
74) N-amyl acetate	10.01	43	395511	49.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	251590	47.191	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	208305m	44.636	ug/l	
77) Bromobenzene	10.45	156	148696	49.063	ug/l	98
78) n-propylbenzene	10.59	91	766794	48.468	ug/l	100
79) 2-Chlorotoluene	10.66	91	446306	47.064	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	521708	47.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	85134m	45.572	ug/l	
82) 4-Chlorotoluene	10.77	91	511684	47.529	ug/l	99
83) tert-Butylbenzene	11.10	119	502112	45.873	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	536740	48.684	ug/l	100
85) sec-Butylbenzene	11.32	105	623655	46.850	ug/l	99
86) p-Isopropyltoluene	11.48	119	538006	48.346	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	275211	49.158	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	280175	48.825	ug/l	99
89) n-Butylbenzene	11.89	91	534745	50.562	ug/l	99
90) Hexachloroethane	12.14	117	90754	45.806	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	275974	49.018	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	54517	48.529	ug/l	98

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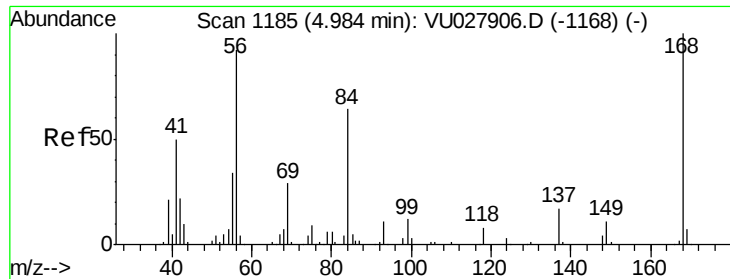
Manual Integrations
APPROVED

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11/6/2018 12:07:03 PM

Quant Time: Nov 06 04:50:17 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)
93) 1,2,4-Trichlorobenzene	13.50	180	194175	49.189	ug/l	99
94) Hexachlorobutadiene	13.69	225	80643	45.068	ug/l	99
95) Naphthalene	13.74	128	697868	49.866	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	197622	52.310	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050EC

Tot Ion:168 Resp: 207928

Ion Ratio Lower Upper

168 100

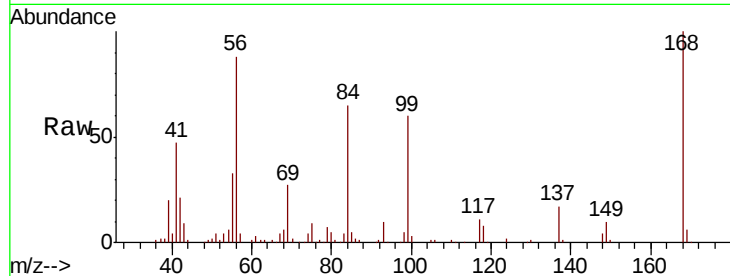
99 59.4 47.9 71.9

Manual Integrations

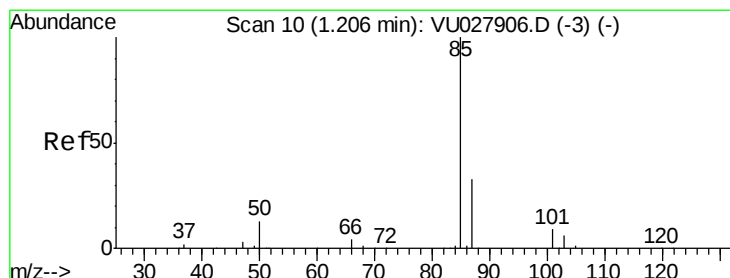
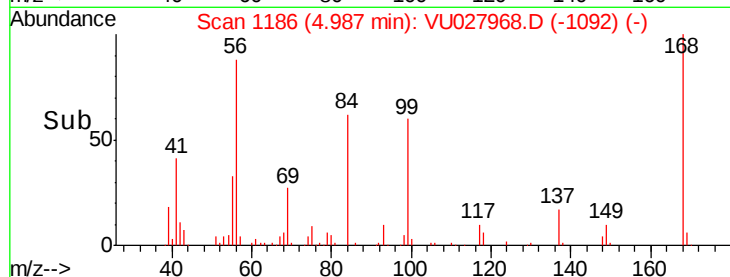
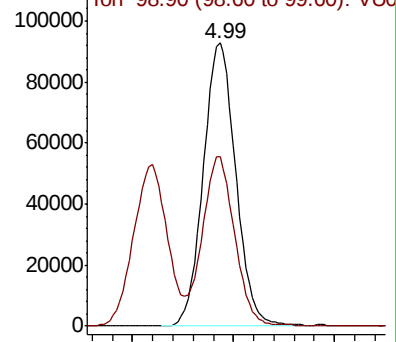
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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 41.038 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027968.D

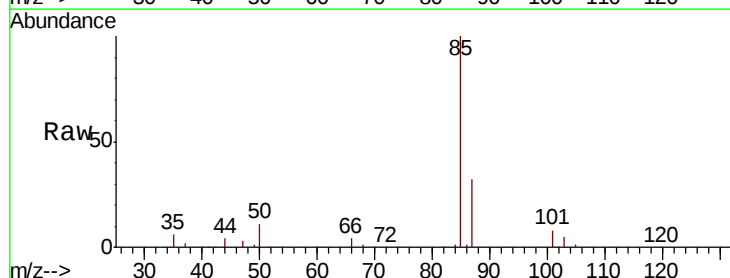
Acq: 05 Nov 2018 19:24

Tgt Ion: 85 Resp: 108425

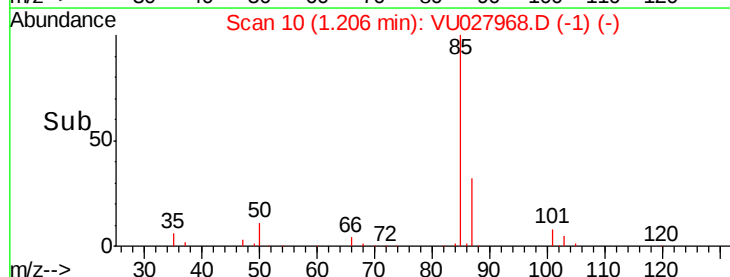
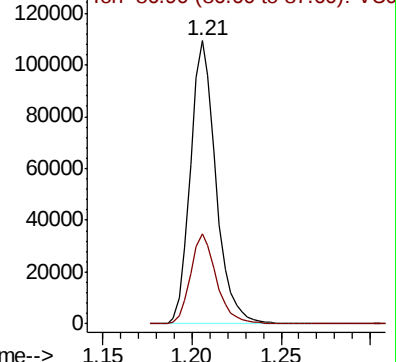
Ion Ratio Lower Upper

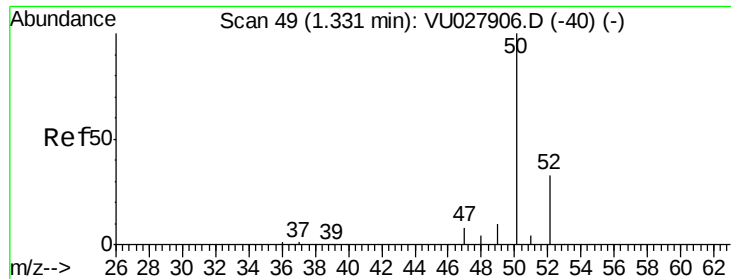
85 100

87 31.7 16.5 49.5



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





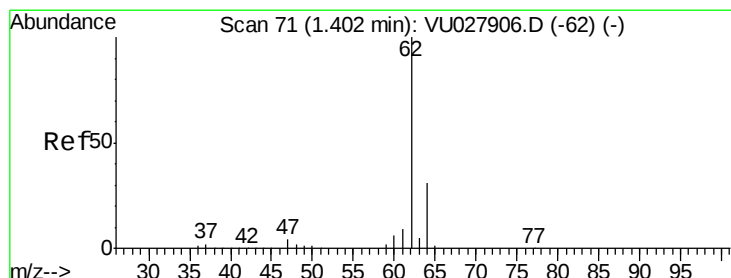
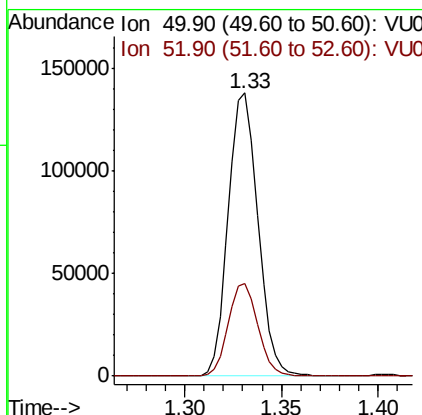
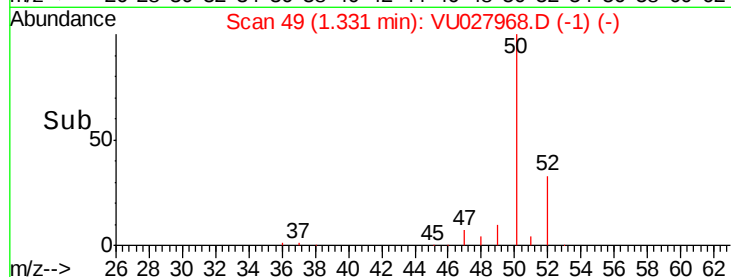
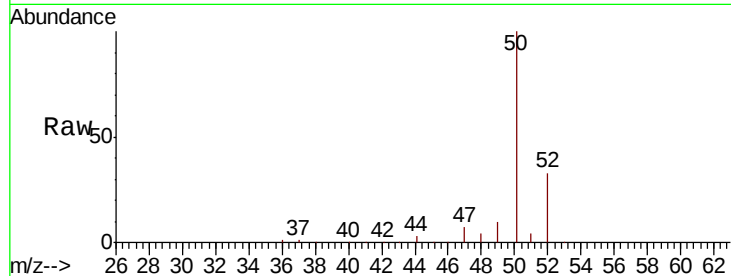
#3
 Chloromethane
 Concen: 46.002 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4

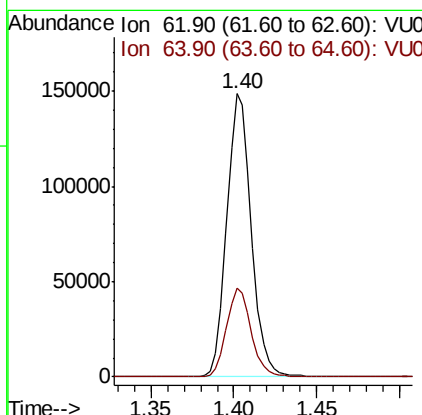
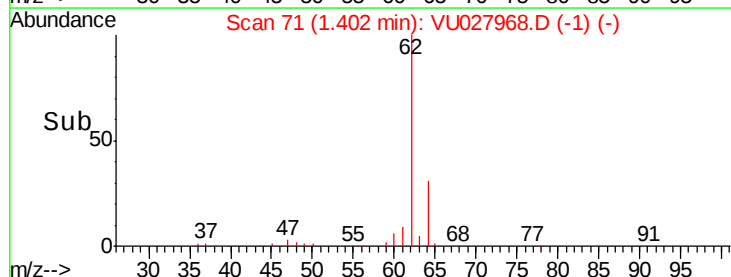
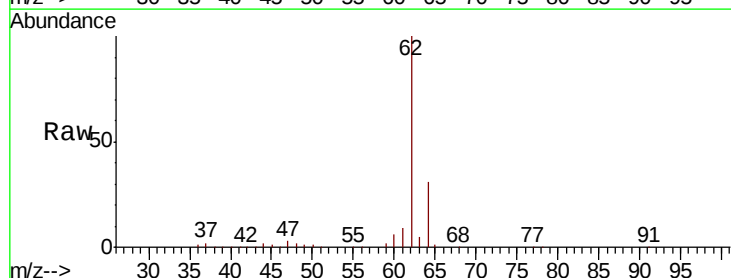
Manual Integrations
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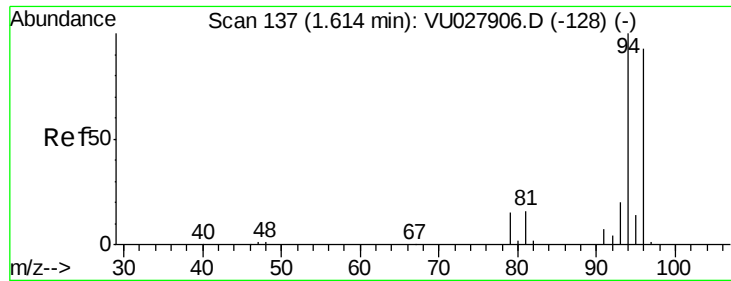
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#4
 Vinyl Chloride
 Concen: 47.988 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.2	37.8





#5

Bromomethane

Concen: 52.362 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69047

Ion Ratio Lower Upper

94 100

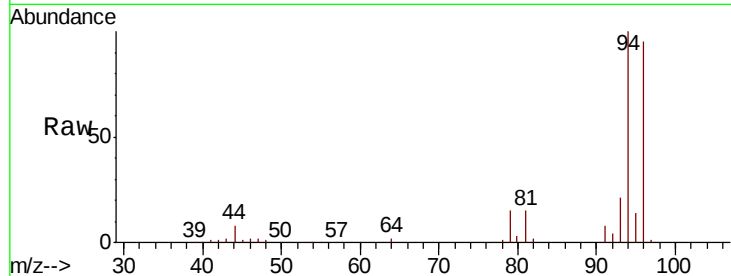
96 94.8 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027968.D (-44) (-)

60000

40000

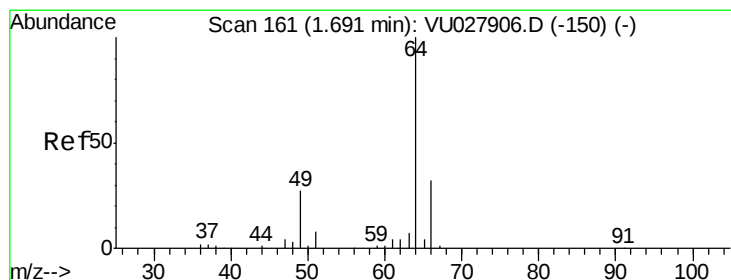
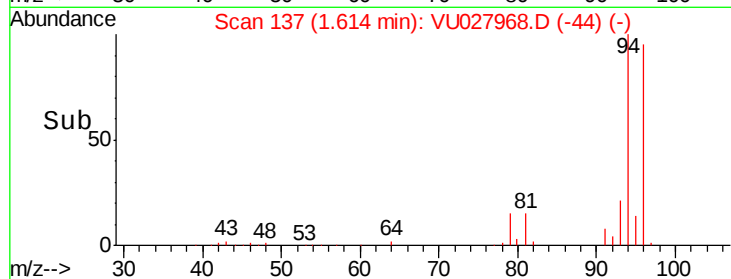
20000

0

1.61

1.60 1.65

Time-->



#6

Chloroethane

Concen: 46.992 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027968.D

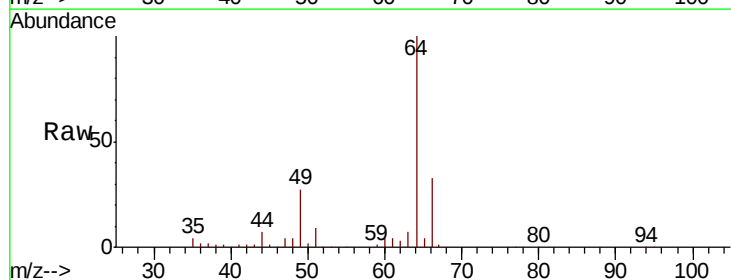
Acq: 05 Nov 2018 19:24

Tgt Ion: 64 Resp: 85884

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027968.D (-68) (-)

60000

40000

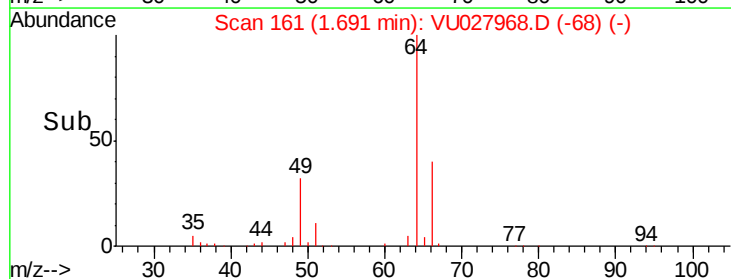
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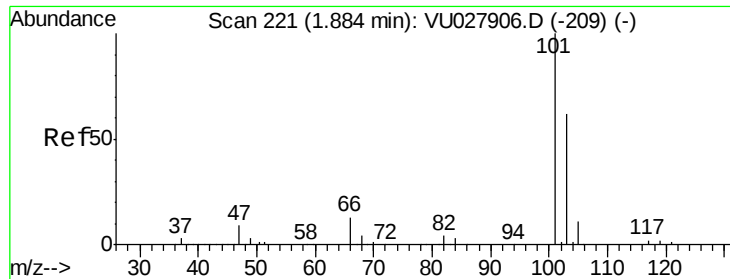
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1.69

1.65 1.75

Time-->





#7

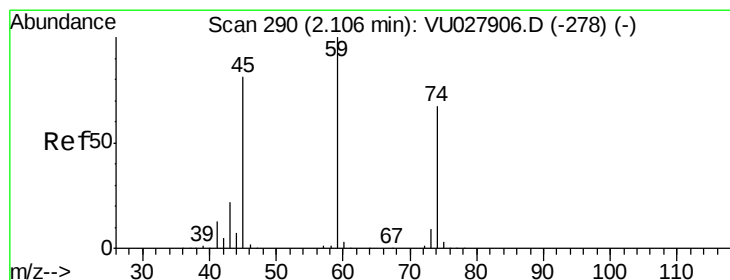
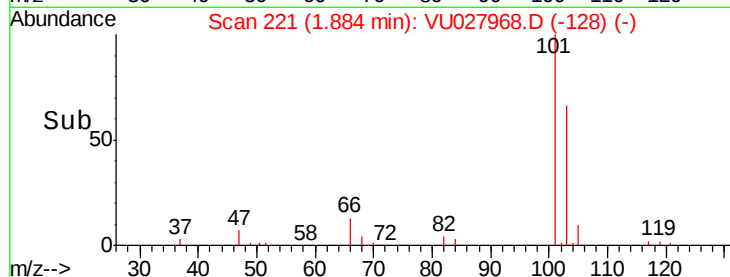
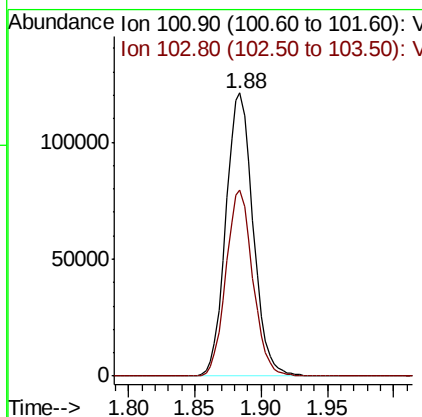
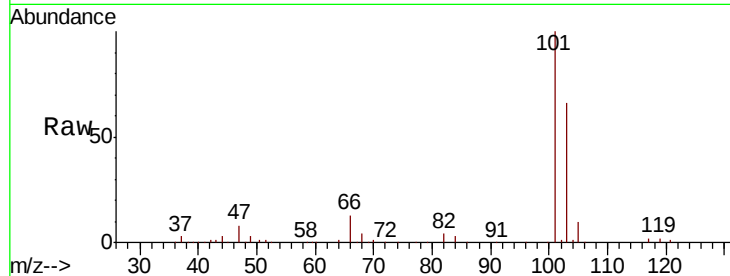
Trichlorofluoromethane
 Concen: 47.057 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.4	74.2

Manual Integrations
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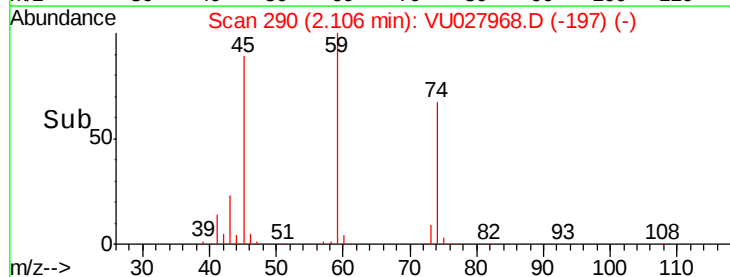
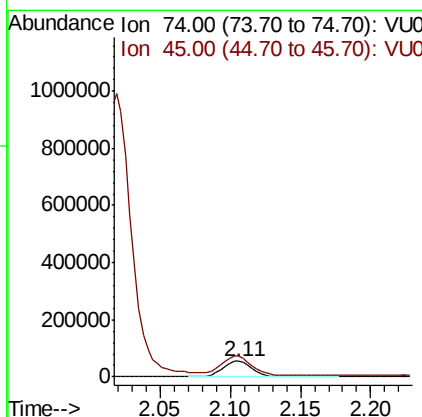
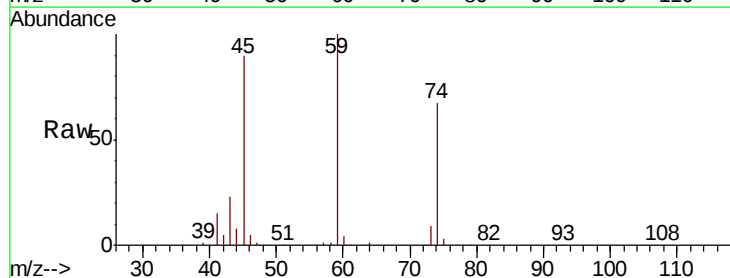
MMDadoda
 11/6/2018 12:07:03 PM

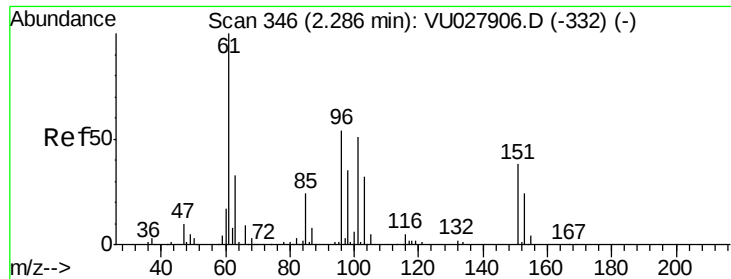


#8

Diethyl Ether
 Concen: 49.513 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.5	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.517 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

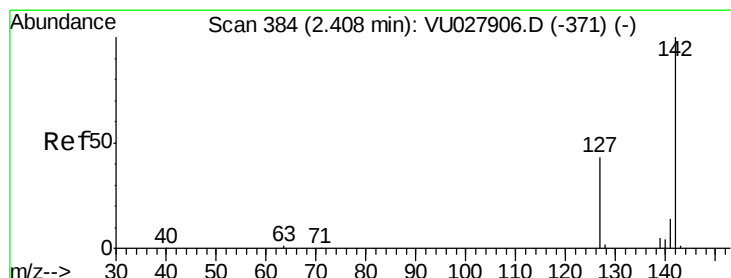
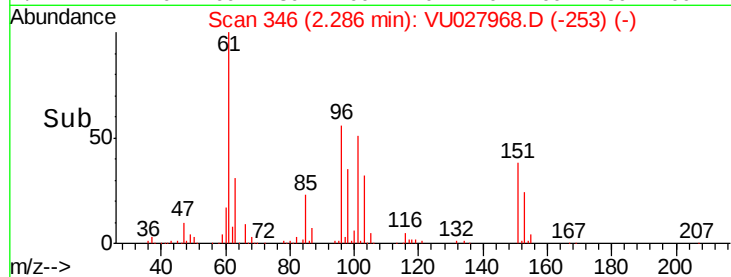
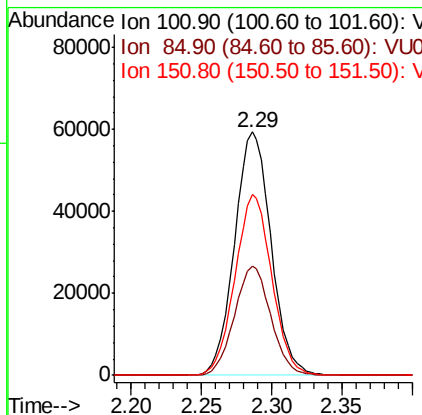
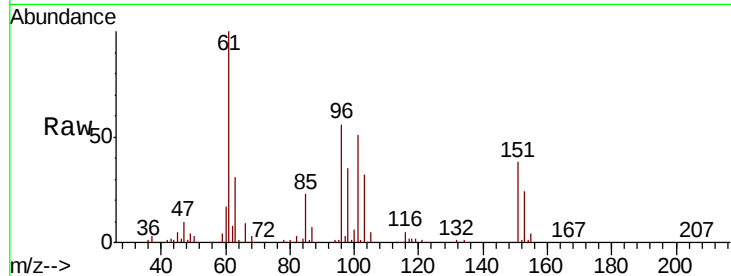
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	107801
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.9	55.3
151	74.6	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.869 ug/l

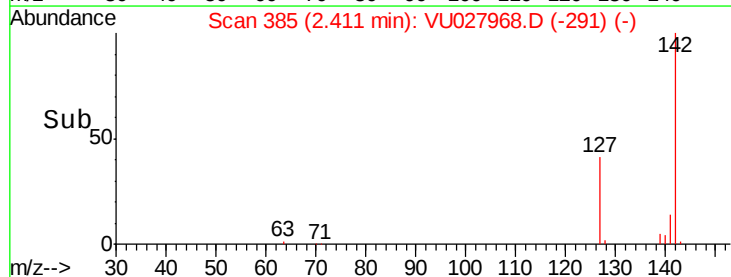
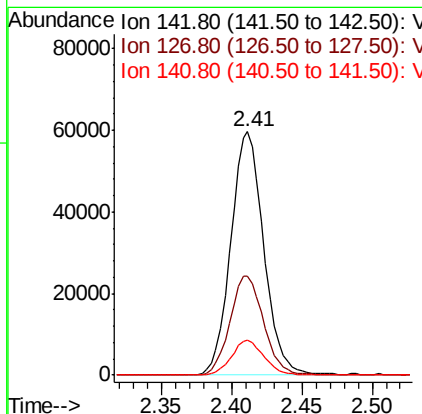
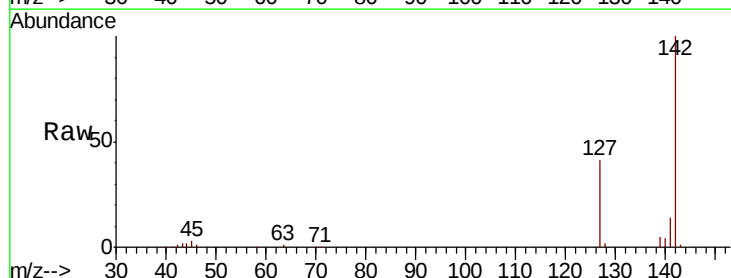
RT: 2.41 min Scan# 385

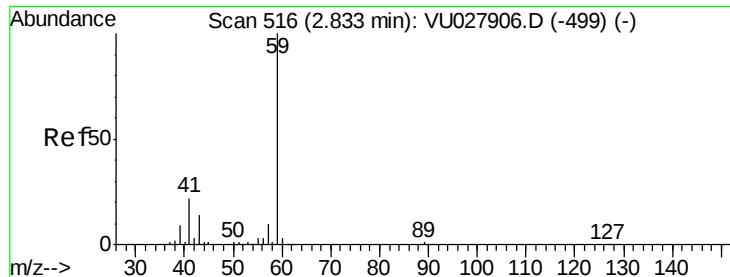
Delta R.T. 0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion:	142	Resp:	97293
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.2	52.8
141	14.1	11.8	17.8





#11

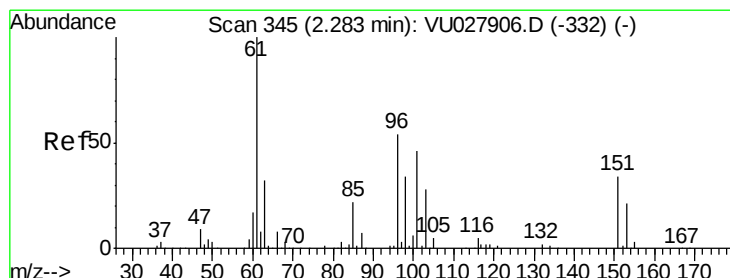
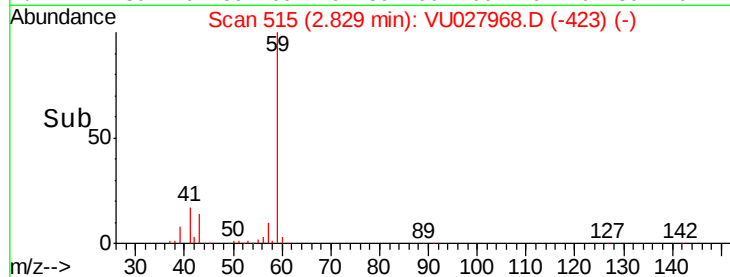
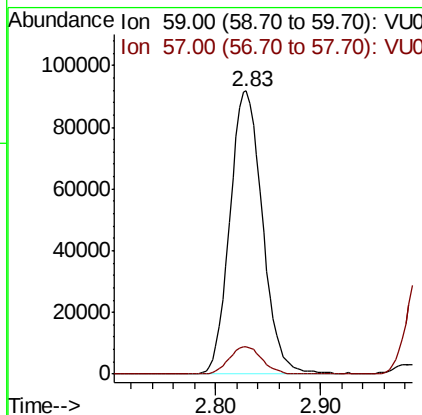
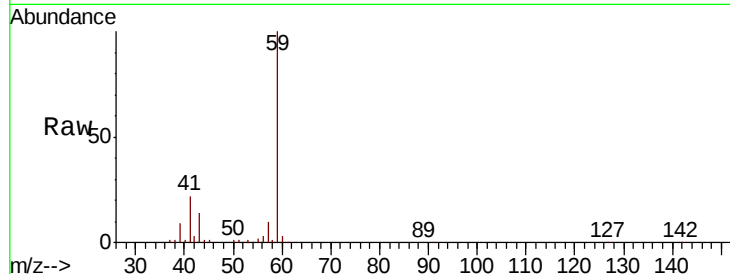
Tert butyl alcohol
 Concen: 240.274 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

Manual Integrations
 APPROVED

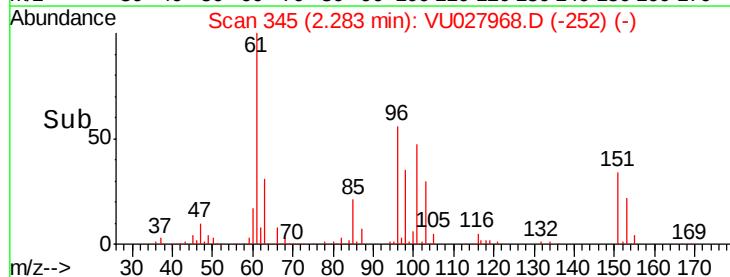
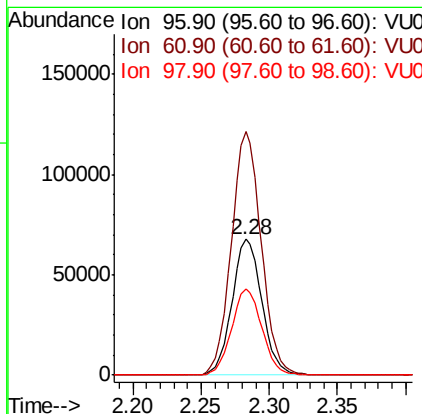
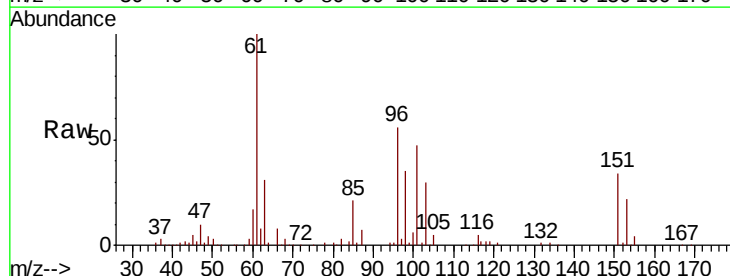
MMDadoda
 11/6/2018 12:07:03 PM



#12

1,1-Dichloroethene
 Concen: 47.185 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	149.3	223.9
98	63.0	50.6	75.8





#13

Acrolein

Concen: 283.278 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85005

Ion Ratio Lower Upper

56 100

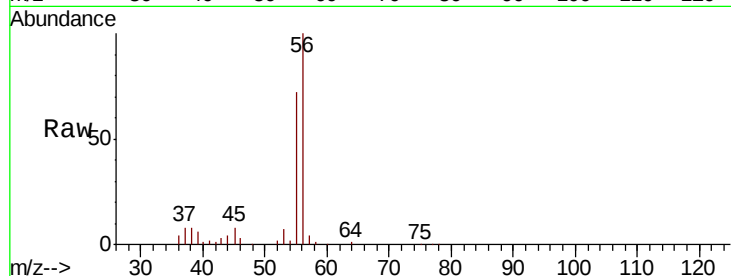
55 72.5 56.2 84.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

60000

50000

40000

30000

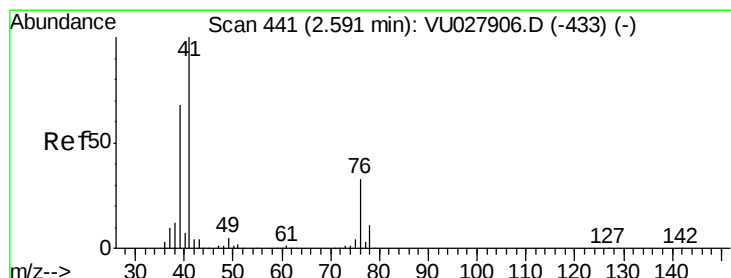
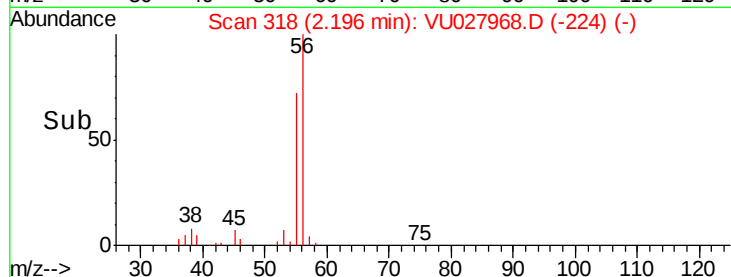
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 44.506 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

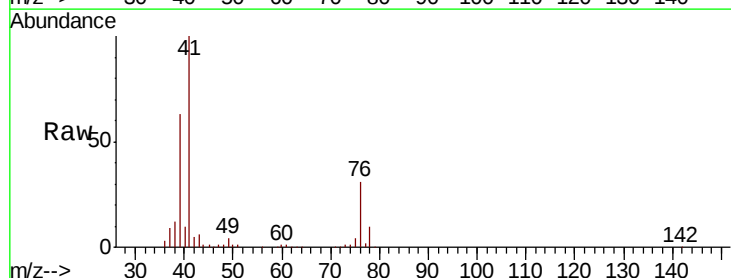
Tgt Ion: 41 Resp: 237041

Ion Ratio Lower Upper

41 100

39 64.3 51.9 77.9

76 30.5 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

150000

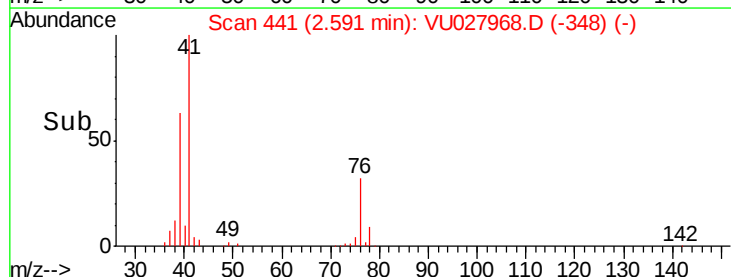
100000

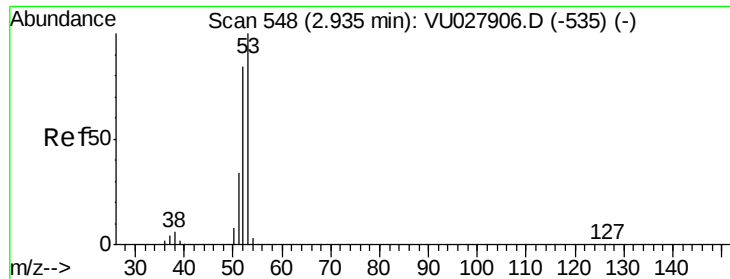
50000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 243.079 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

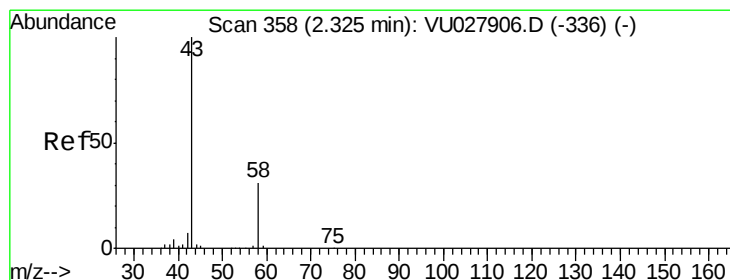
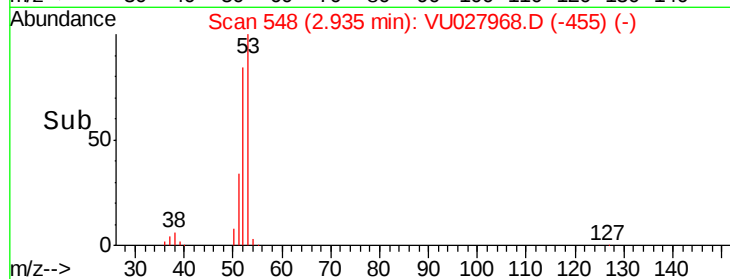
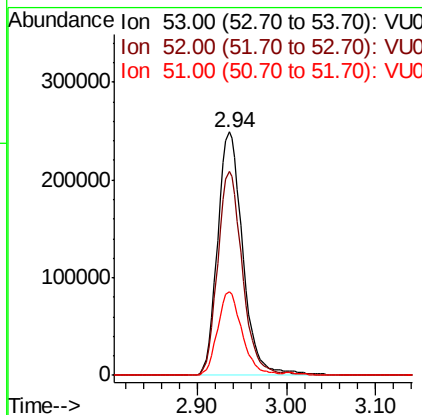
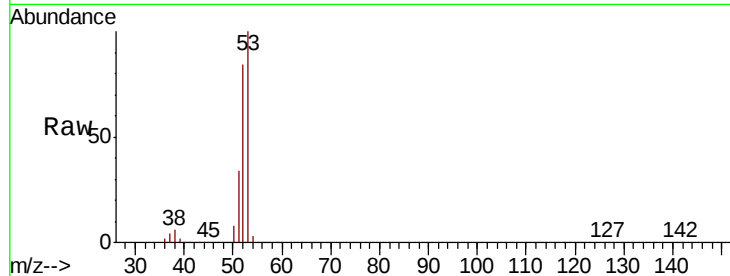
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	488662
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	33.5	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 220.525 ug/l

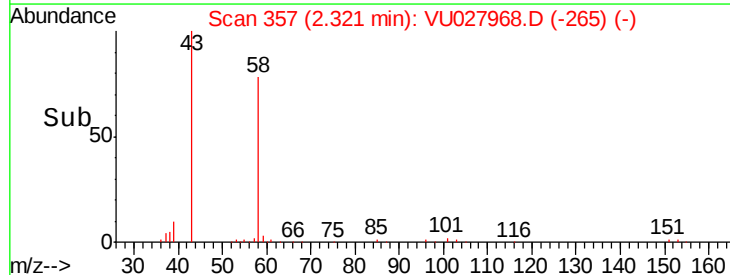
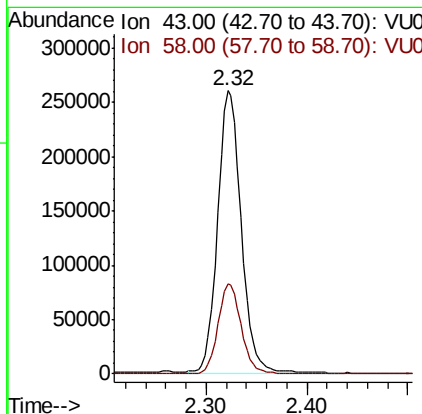
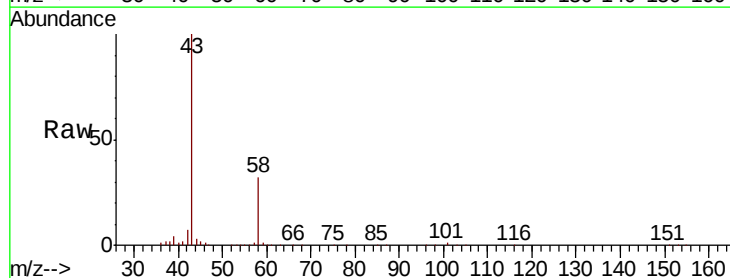
RT: 2.32 min Scan# 357

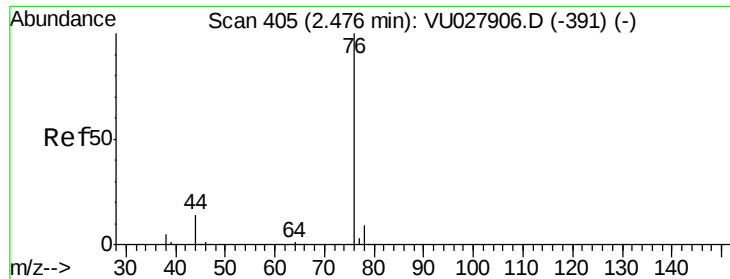
Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion:	43	Resp:	422968
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	37.0





#17

Carbon Disulfide

Concen: 42.723 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 304315

Ion Ratio Lower Upper

76 100

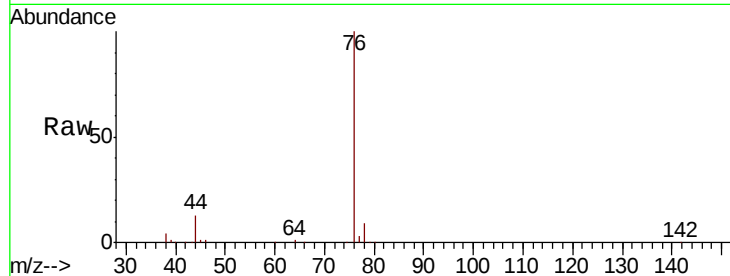
78 9.2 7.4 11.0

Manual Integrations

APPROVED

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11/6/2018 12:07:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-391) (-)

2.48

200000

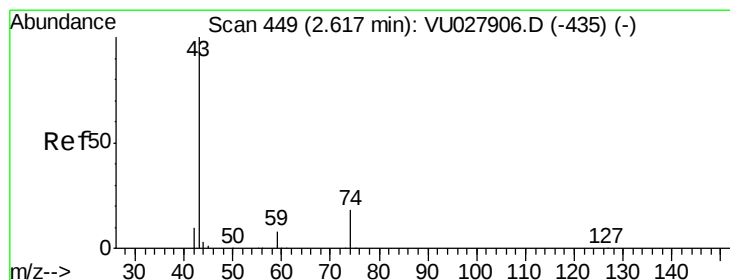
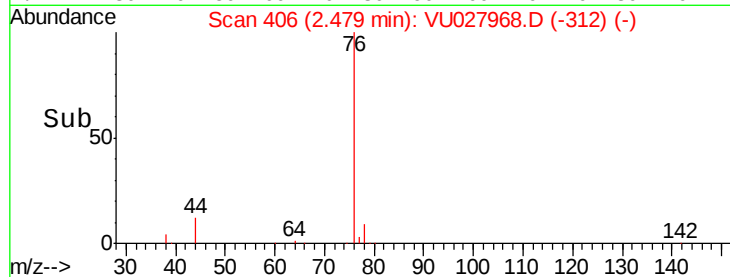
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.092 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027968.D

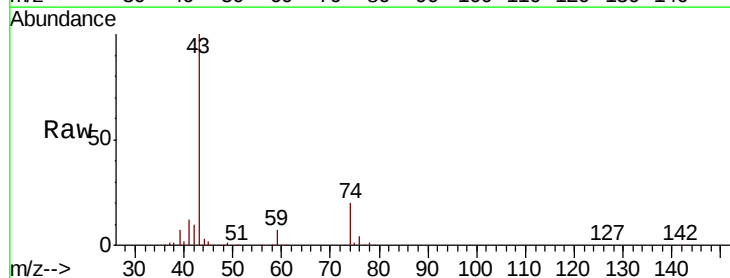
Acq: 05 Nov 2018 19:24

Tgt Ion: 43 Resp: 248466

Ion Ratio Lower Upper

43 100

74 20.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027906.D (-435) (-)

2.62

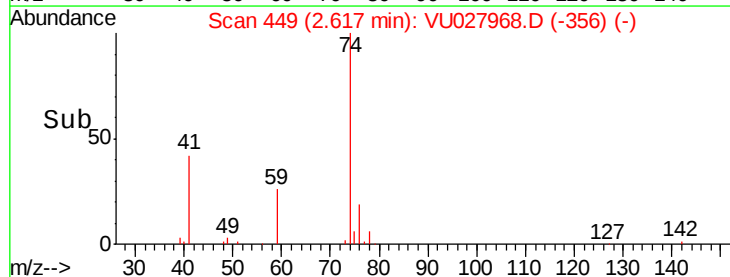
150000

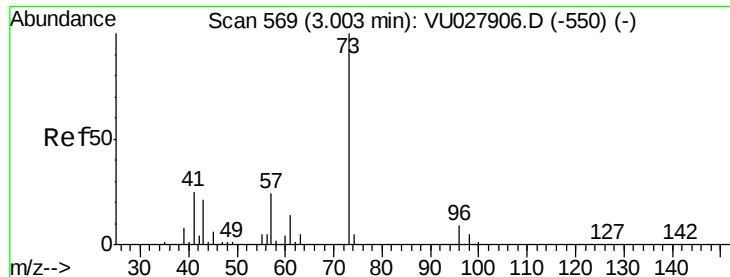
100000

50000

0

Time-->





#19

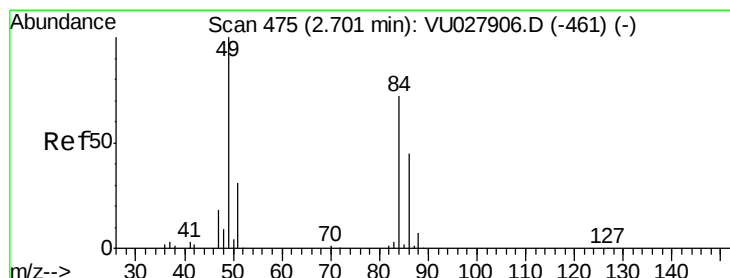
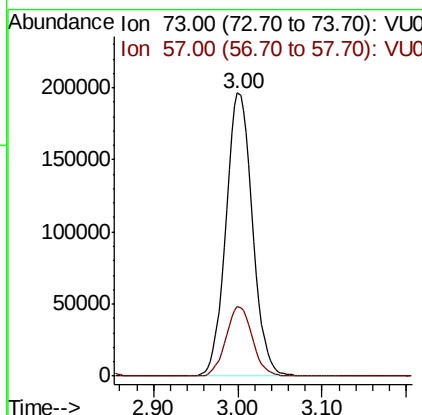
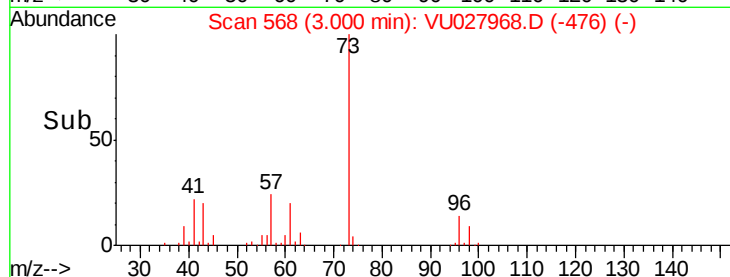
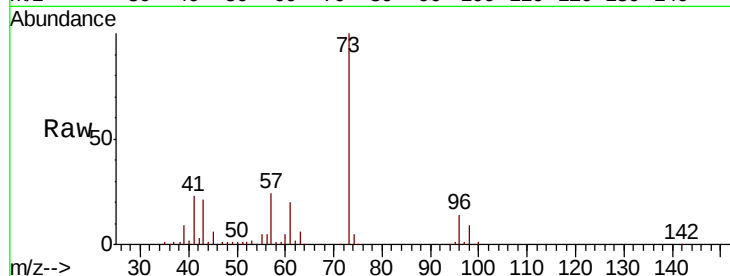
Methyl tert-butyl Ether
 Concen: 48.852 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.3	28.9

Manual Integrations
 APPROVED

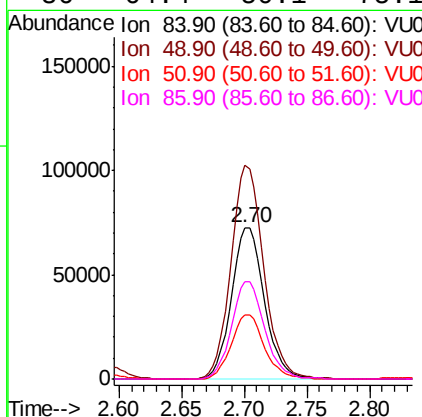
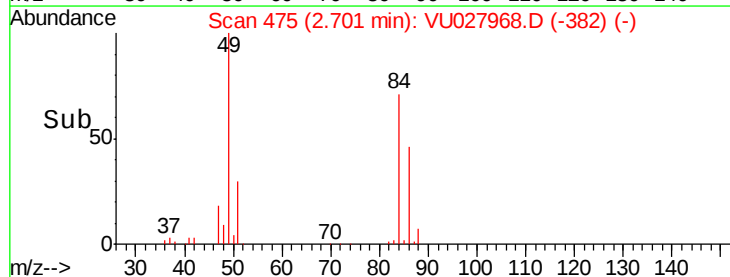
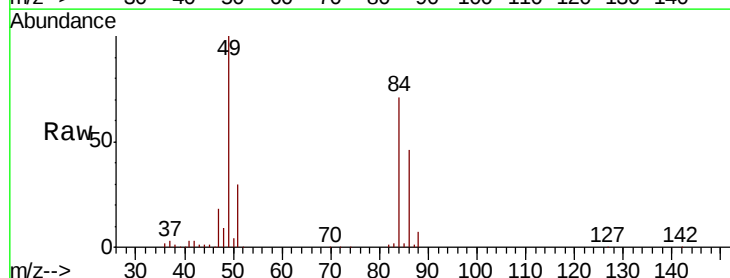
MMDadoda
 11/6/2018 12:07:03 PM

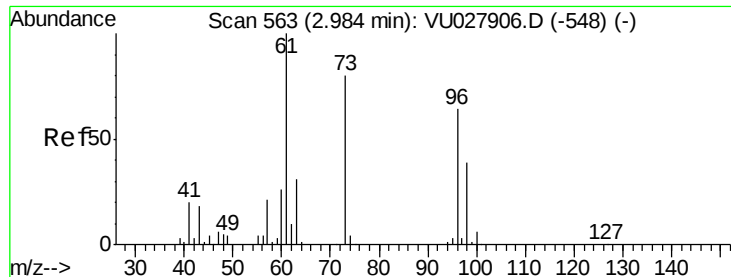


#20

Methylene Chloride
 Concen: 47.339 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	111.6	167.4
51	42.7	34.8	52.2
86	64.4	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 45.722 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

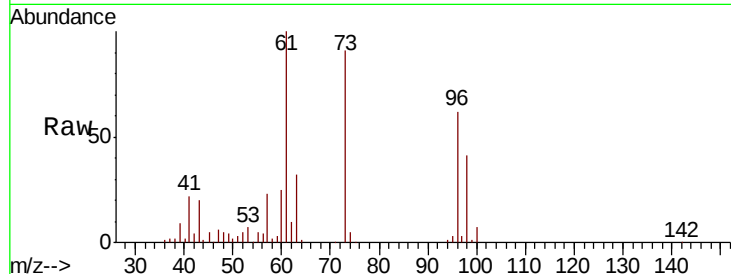
ClientSampleId :

VSTDCCC050EC

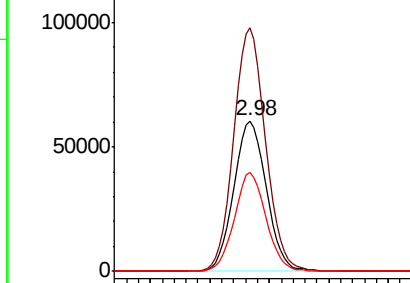
Tot Ion:	96	Resp:	114987
Ion	Ratio	Lower	Upper
96	100		
61	161.8	125.0	187.6
98	65.9	48.2	72.4

Manual Integrations
APPROVED

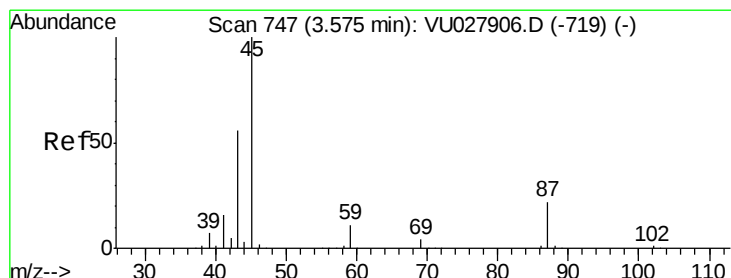
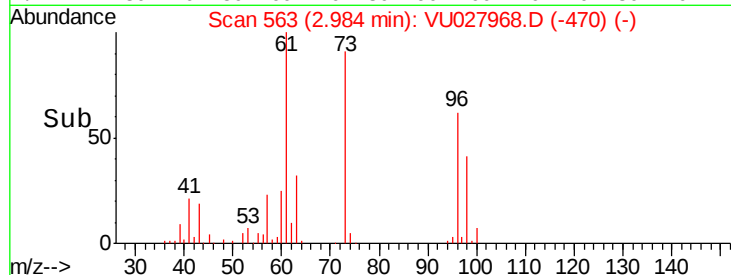
MMDadoda
11/6/2018 12:07:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



Time-->



#22

Diisopropyl ether

Concen: 47.900 ug/l

RT: 3.58 min Scan# 747

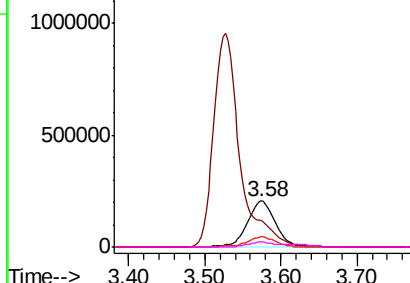
Delta R.T. -0.00 min

Lab File: VU027968.D

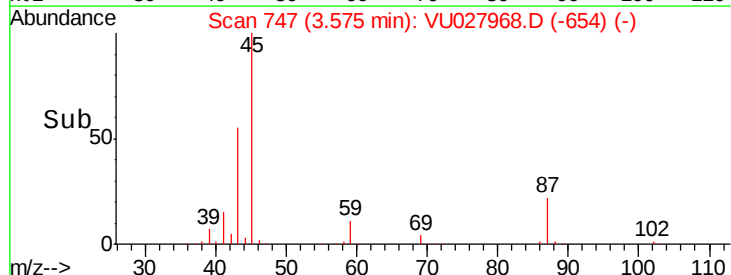
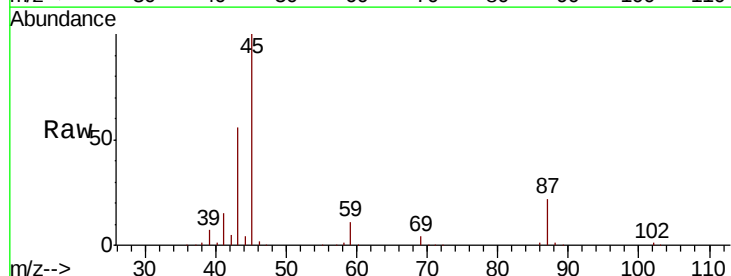
Acq: 05 Nov 2018 19:24

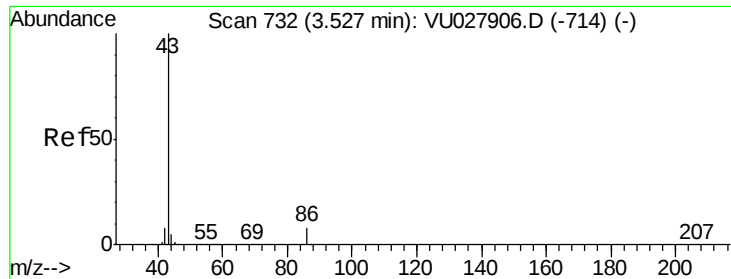
Tgt Ion:	45	Resp:	526703
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.0	67.6
87	21.7	17.9	26.9
59	10.7	8.6	12.8

Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0



Time-->





#23

Vinyl Acetate

Concen: 242.656 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2293121

Ion Ratio Lower Upper

43 100

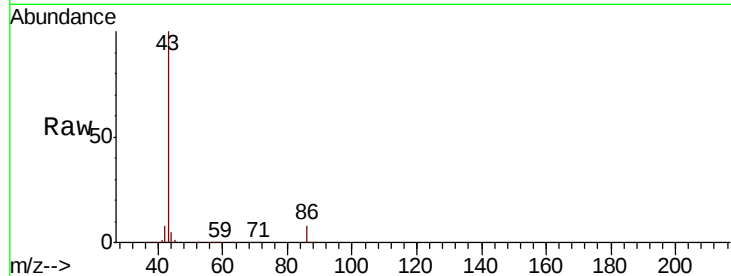
86 8.3 6.6 9.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.53

1000000

800000

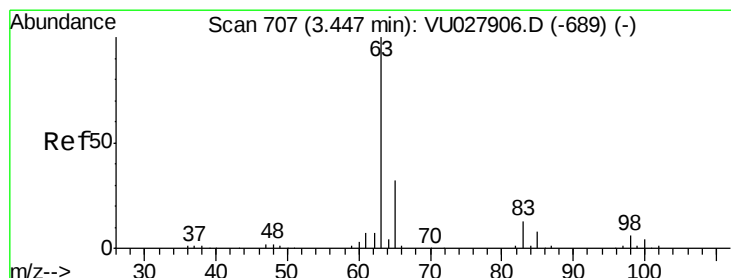
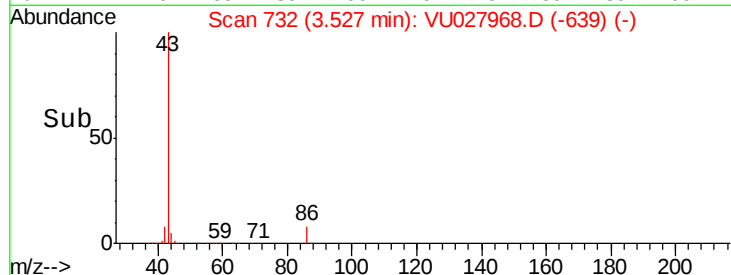
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.776 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

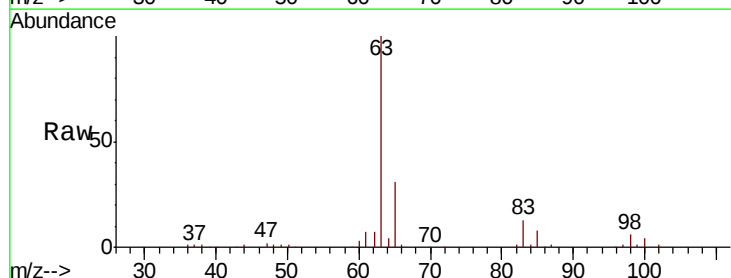
Tgt Ion: 63 Resp: 256194

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

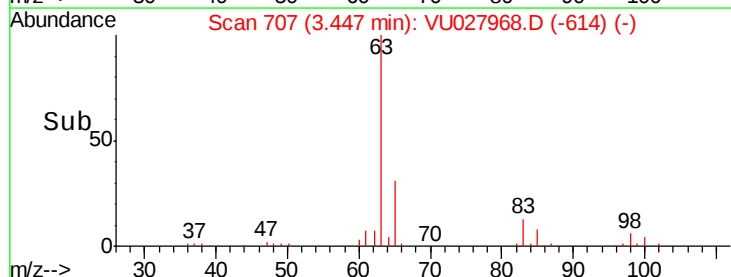
150000

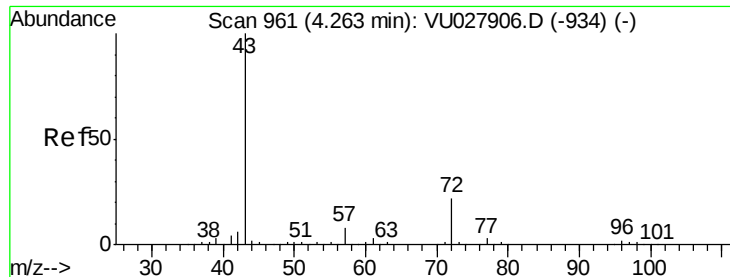
100000

50000

0

Time-->





#25

2-Butanone

Concen: 238.866 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 728868

Ion Ratio Lower Upper

43 100

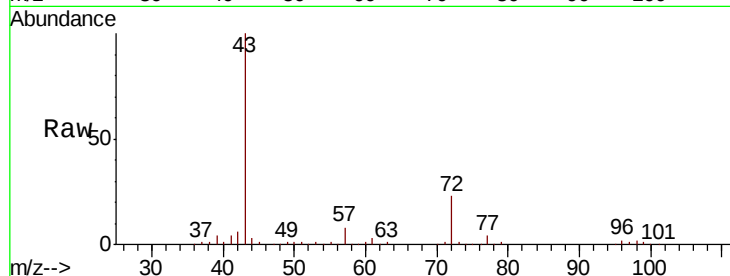
72 23.1 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/6/2018 12:07:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

300000

200000

100000

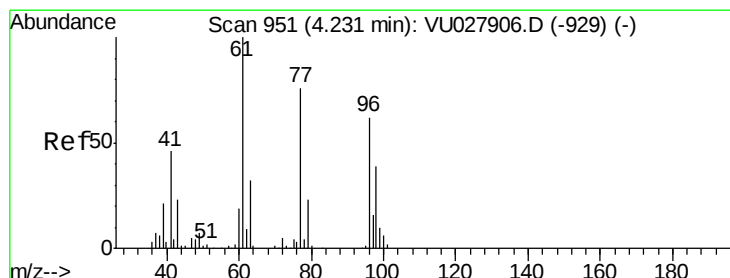
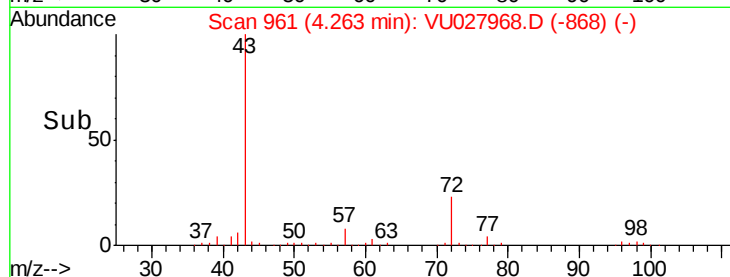
0

4.26

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 45.674 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027968.D

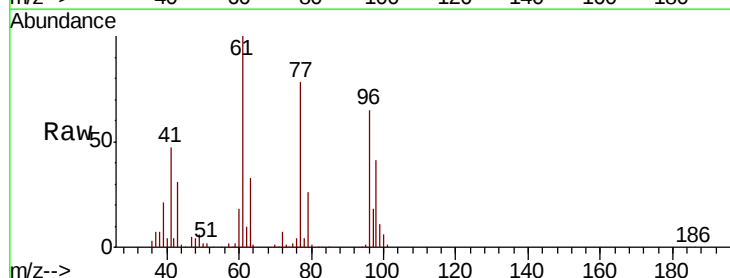
Acq: 05 Nov 2018 19:24

Tgt Ion: 77 Resp: 187730

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

80000

60000

40000

20000

0

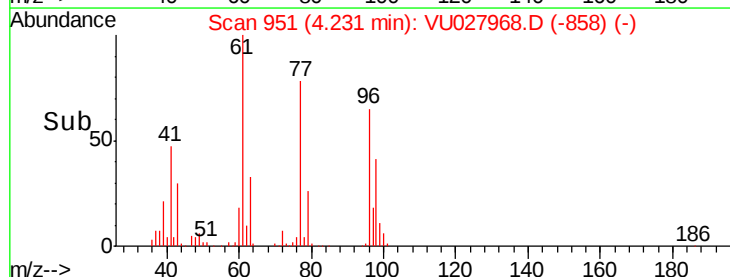
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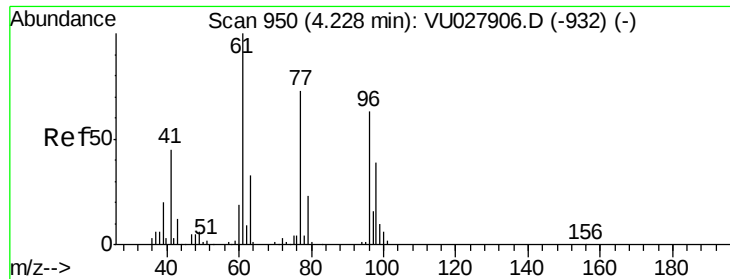
4.10

4.20

4.30

Time-->





#27

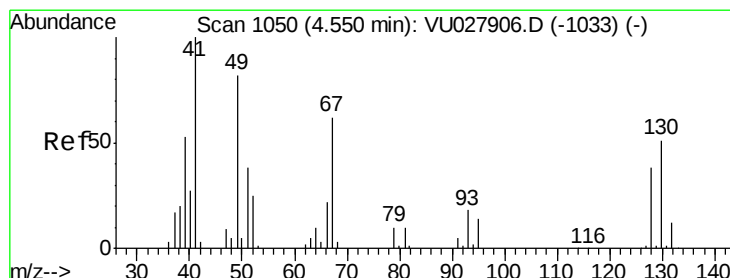
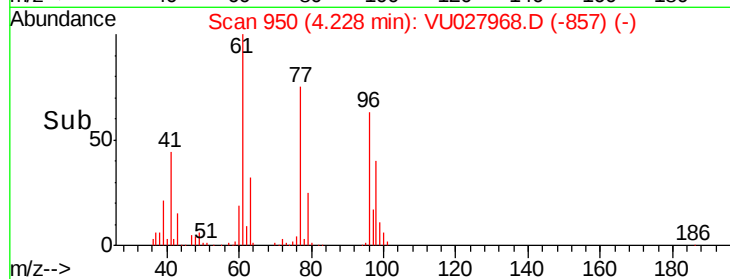
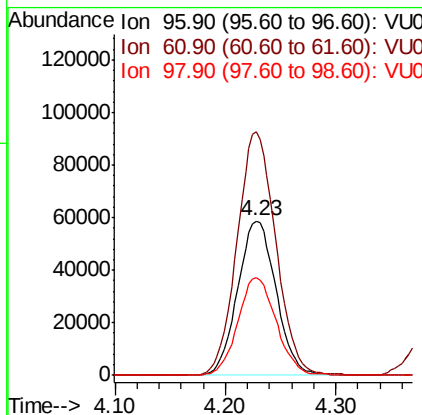
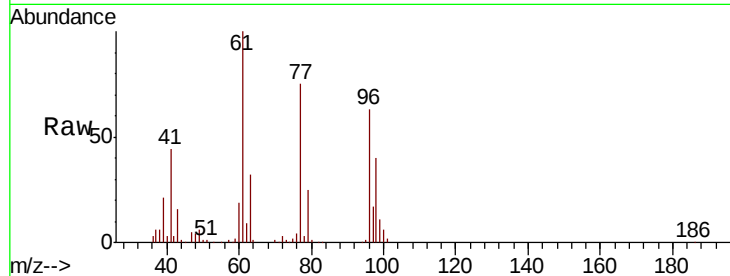
cis-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.4	0.0	329.6	
98	63.4	0.0	127.2	

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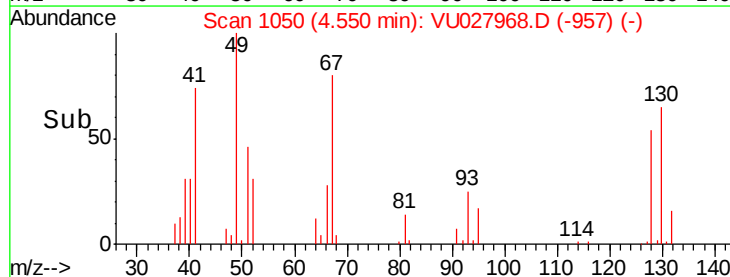
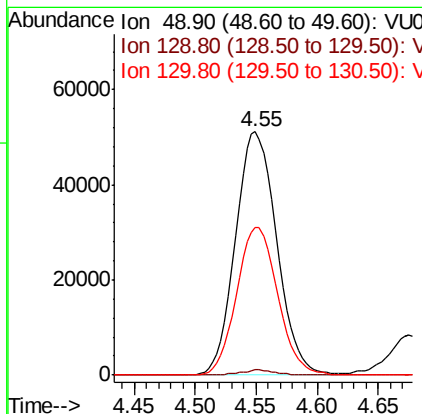
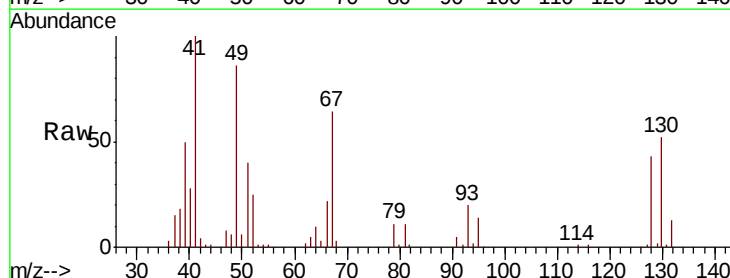
MMDadoda
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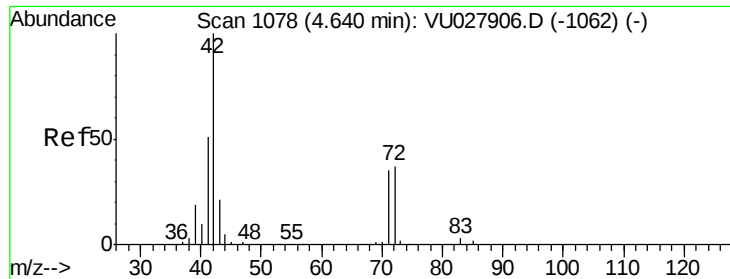


#28

Bromochloromethane
Concen: 46.699 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.0	
130	60.4	47.8	71.6	





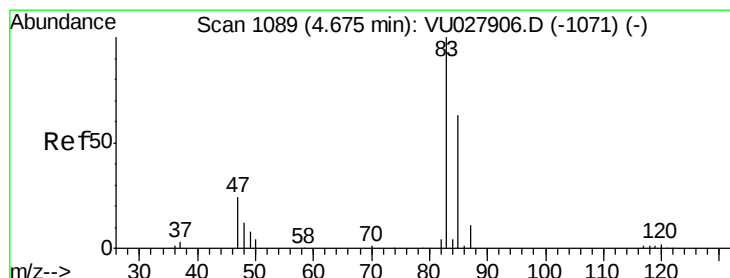
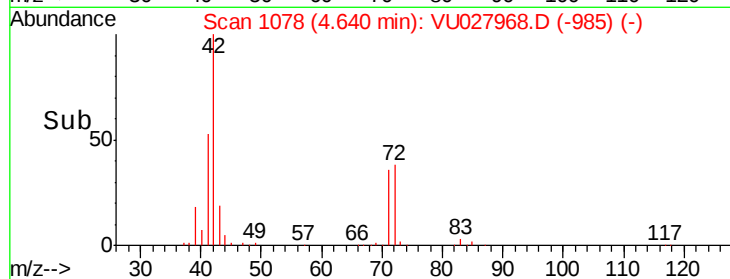
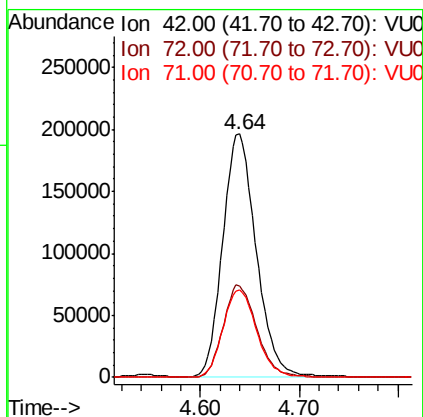
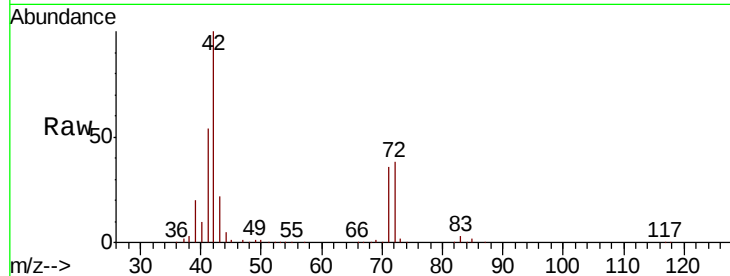
#29
Tetrahydrofuran
Concen: 228.066 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.4	44.0
71	36.5	27.9	41.9

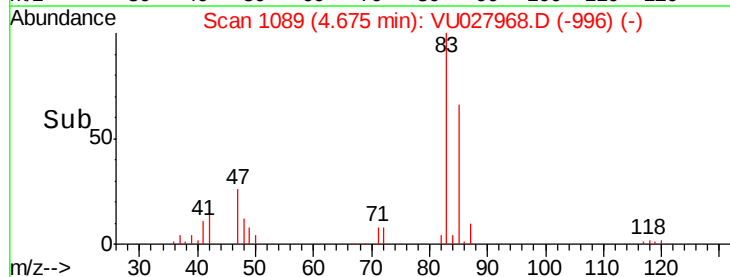
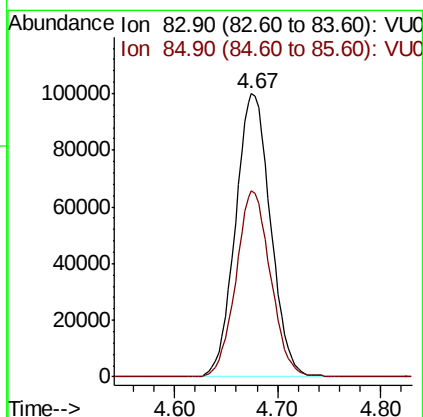
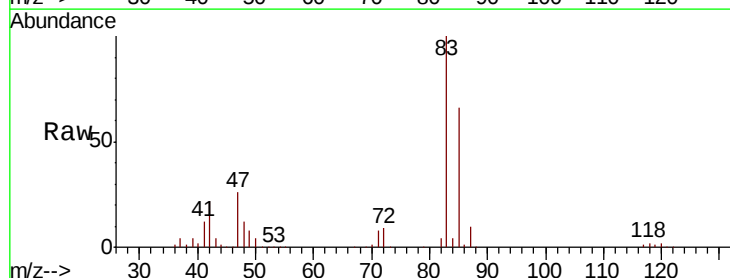
Manual Integrations
APPROVED

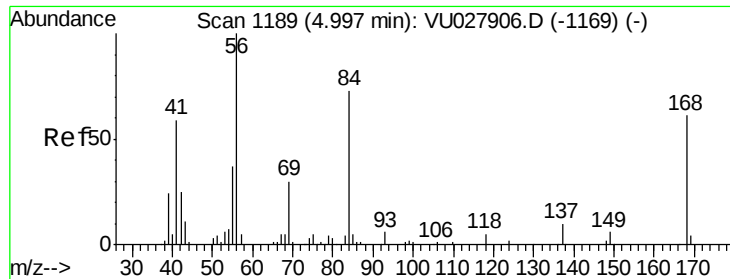
MMDadoda
11/6/2018 12:07:03 PM



#30
Chloroform
Concen: 47.013 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	76.0





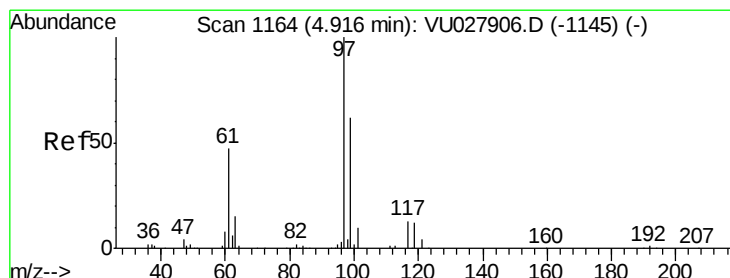
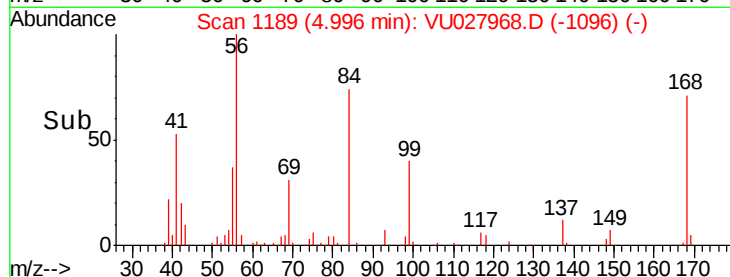
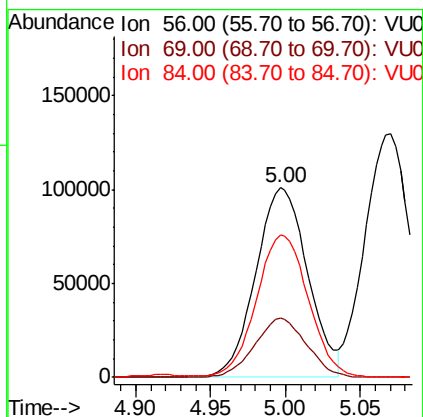
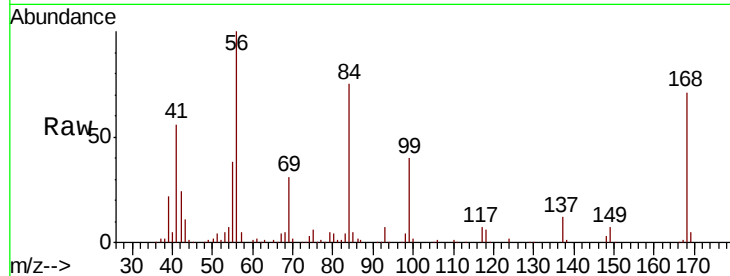
#31
Cyclohexane
Concen: 45.336 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.7	35.5
84	74.1	58.2	87.4

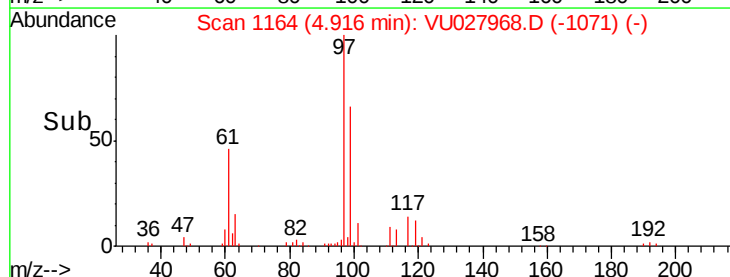
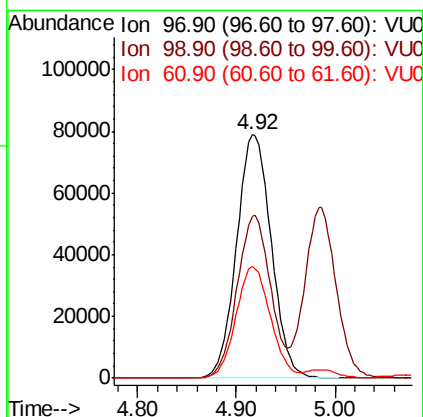
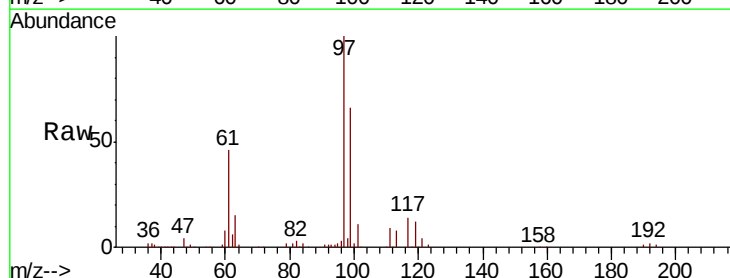
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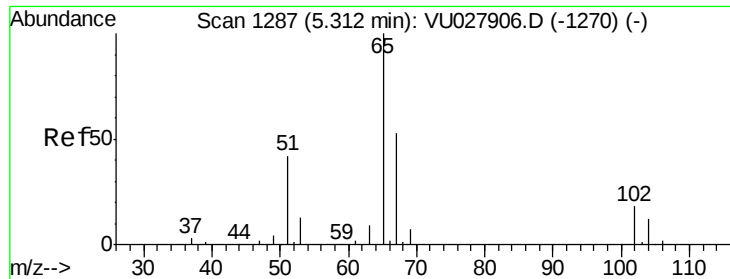
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#32
1,1,1-Trichloroethane
Concen: 48.177 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.5	75.7
61	45.6	38.3	57.5





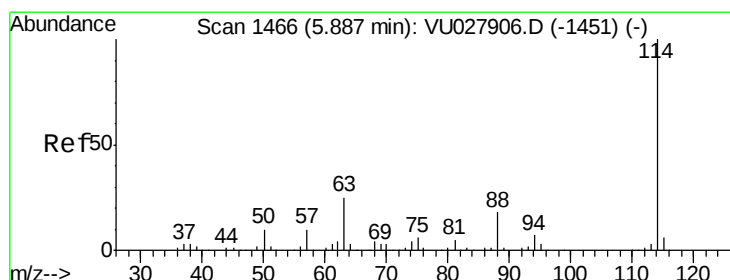
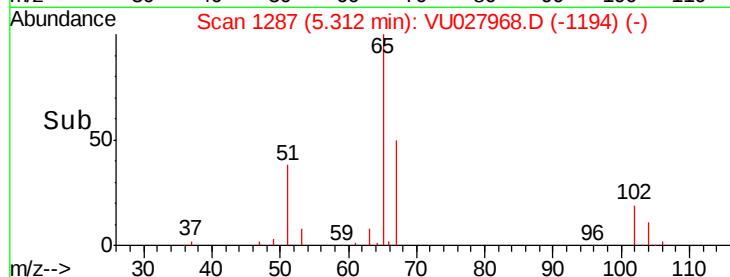
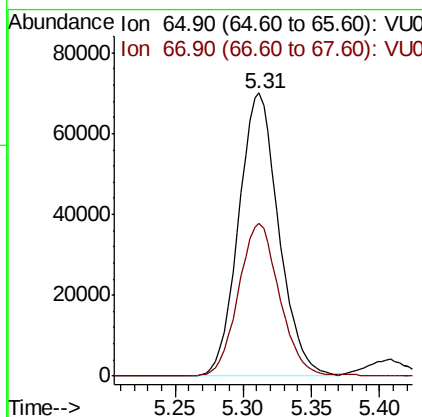
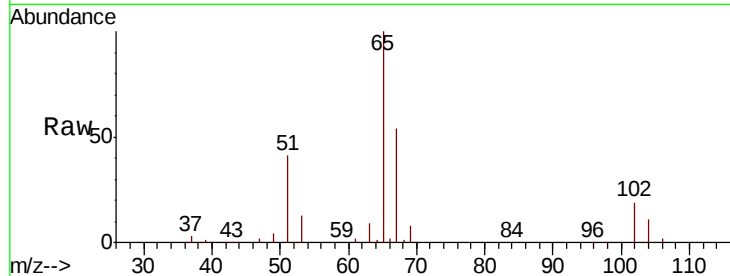
#33
 1,2-Dichloroethane-d4
 Concen: 46.261 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	109.0

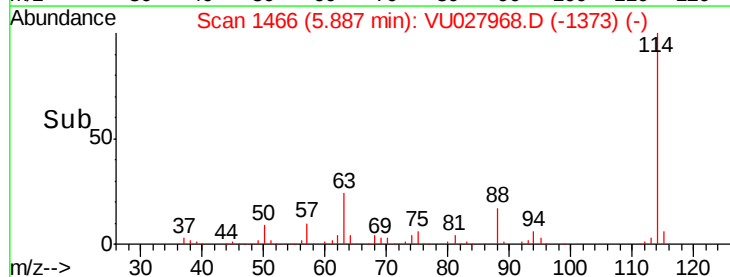
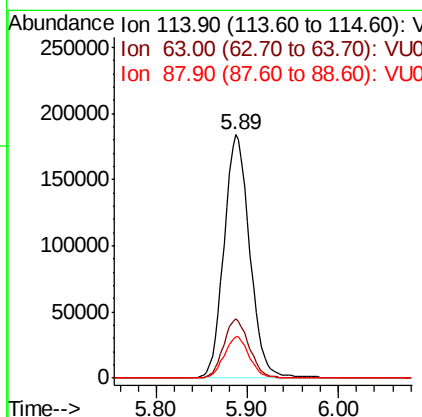
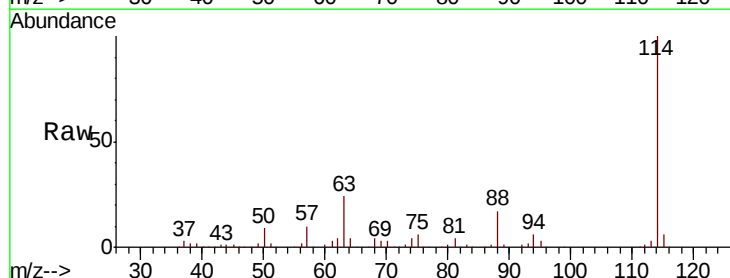
Manual Integrations
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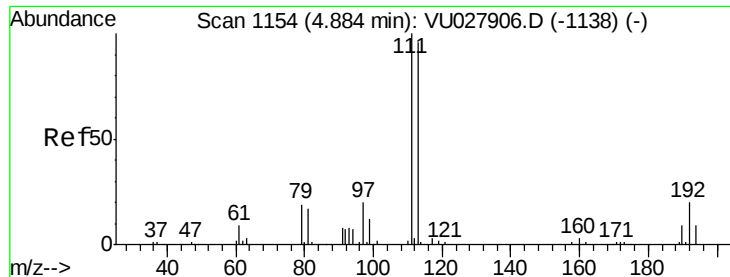
MMDadoda
 11/6/2018 12:07:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	50.8
88	17.1	0.0	35.8





#35

Dibromofluoromethane

Concen: 47.624 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

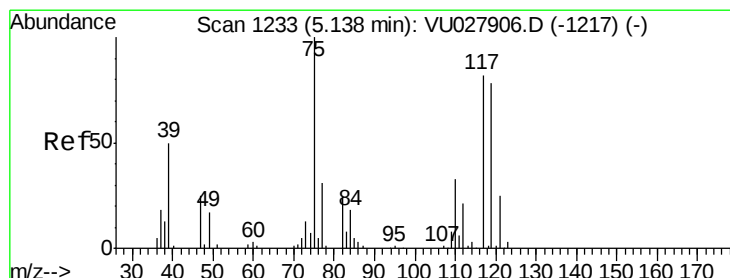
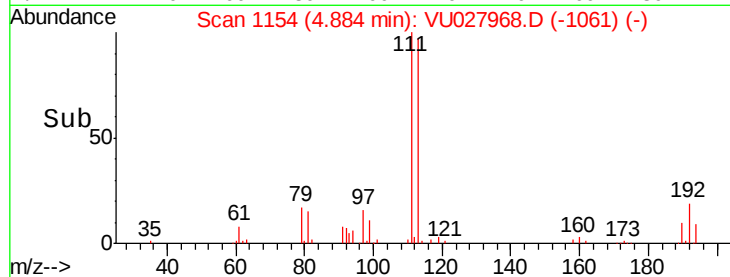
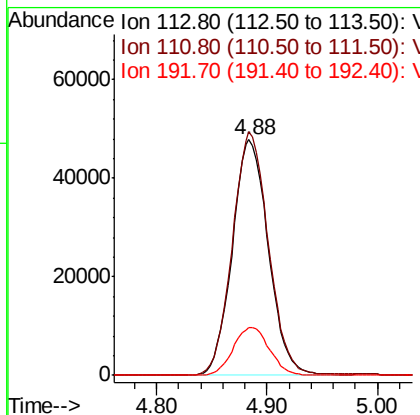
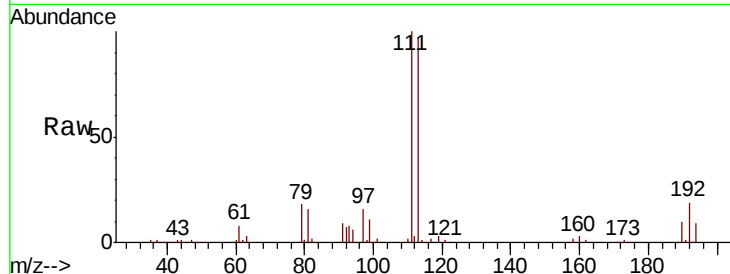
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	108463
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.0	124.6
192	20.4	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.180 ug/l

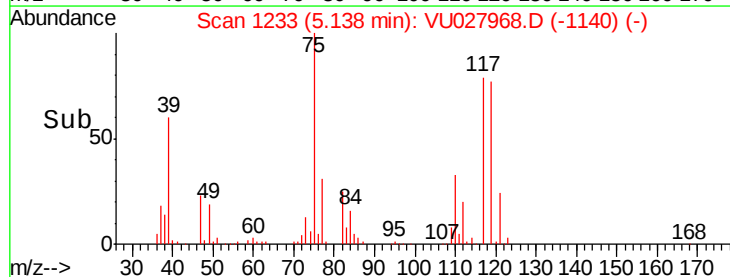
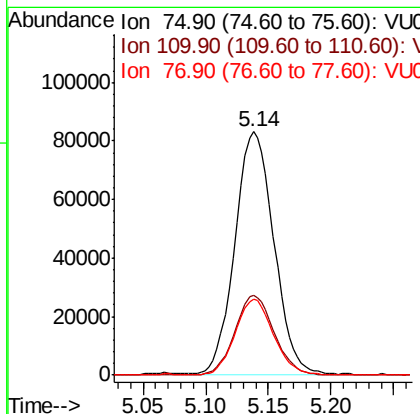
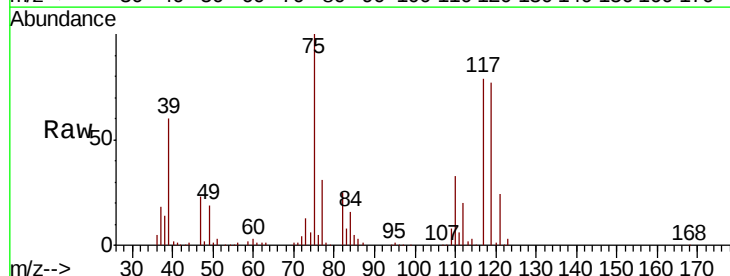
RT: 5.14 min Scan# 1233

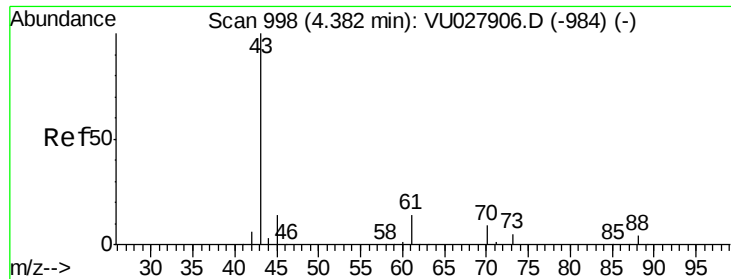
Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion:	75	Resp:	178488
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.5	49.5
77	31.1	24.9	37.3





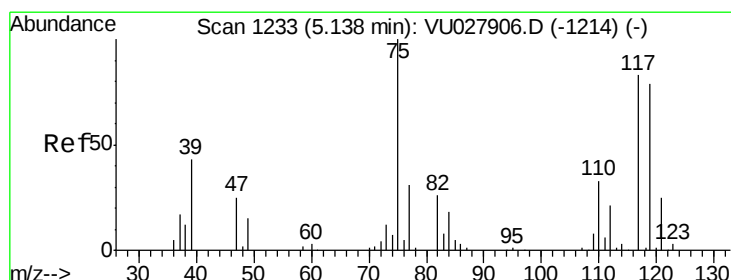
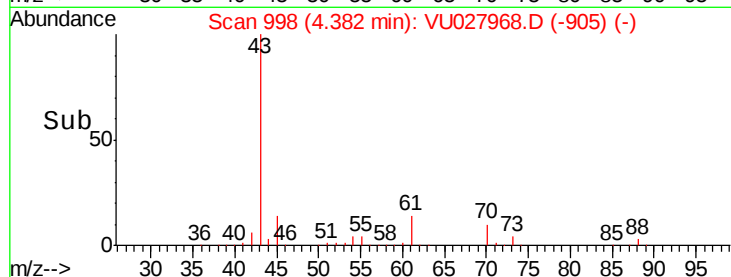
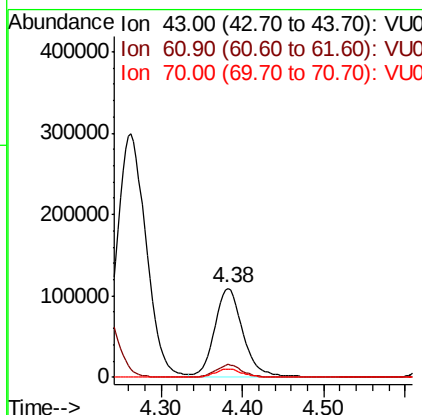
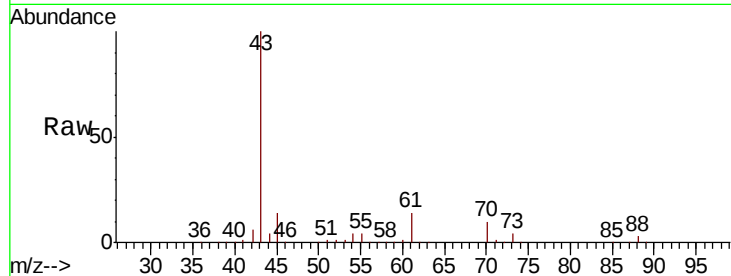
#37
Ethyl Acetate
Concen: 48.514 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	268918
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.3	7.0	10.6

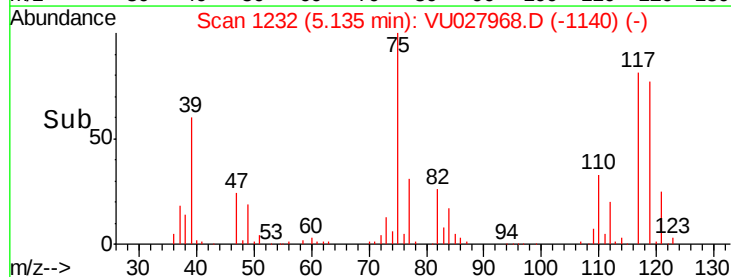
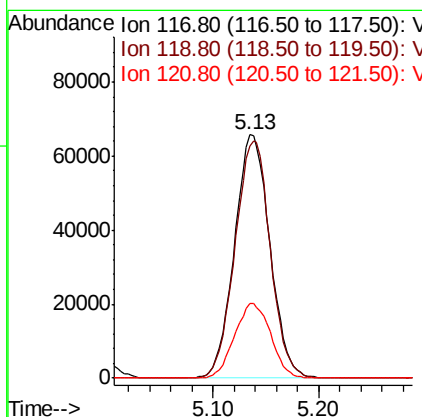
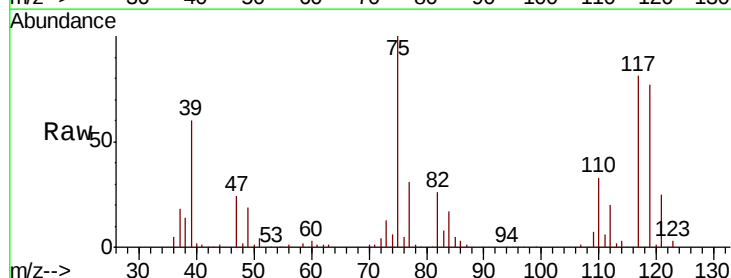
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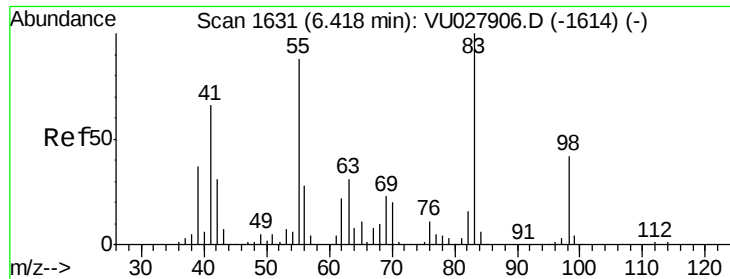
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#38
Carbon Tetrachloride
Concen: 45.655 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion:	117	Resp:	153064
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.0	114.0
121	30.8	24.5	36.7





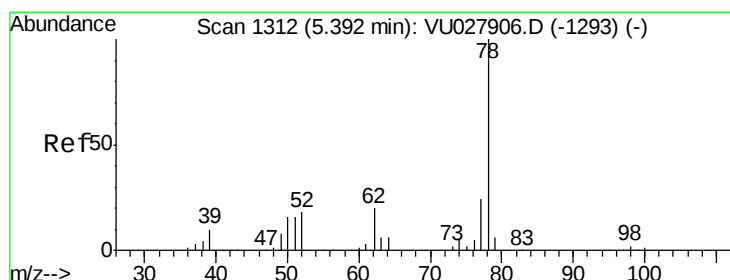
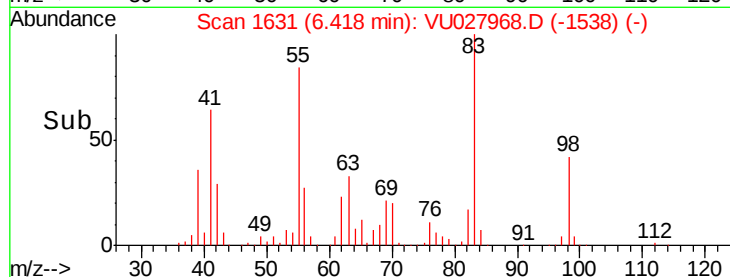
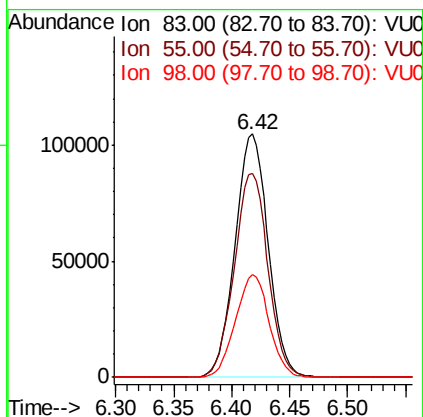
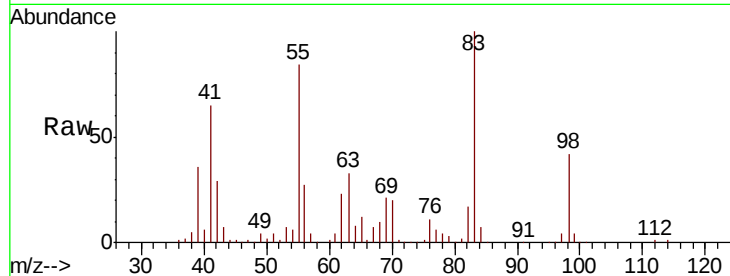
#39
Methvlcvclohexane
Concen: 45.562 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	207894
Ion Ratio	Lower	Upper	
83	100		
55	83.8	70.3	105.5
98	42.4	34.0	51.0

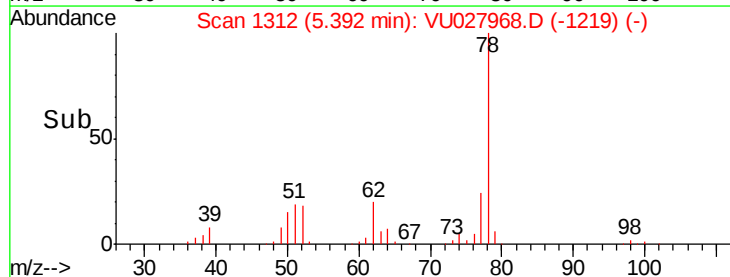
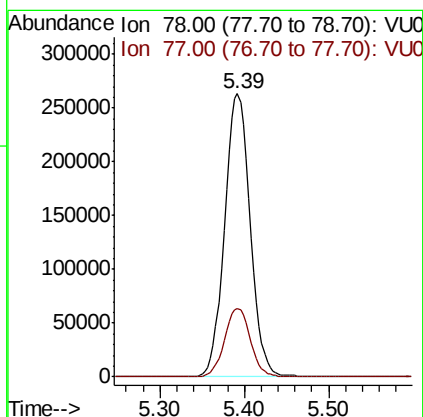
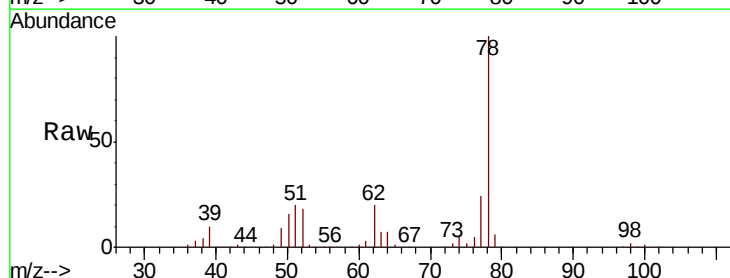
Manual Integrations
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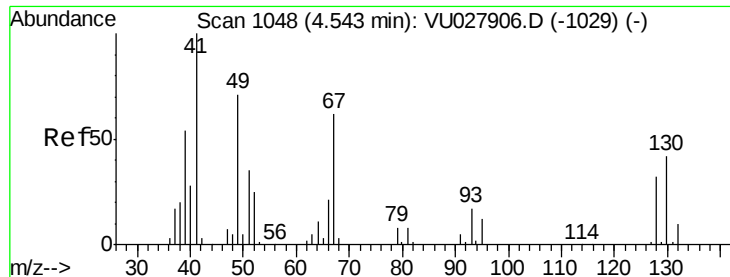
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#40
Benzene
Concen: 47.953 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	78.00	Resp	554642
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.3	28.9





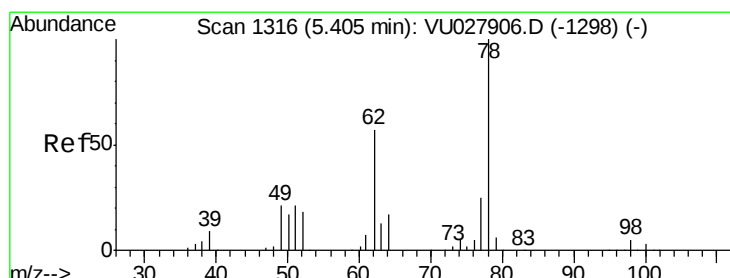
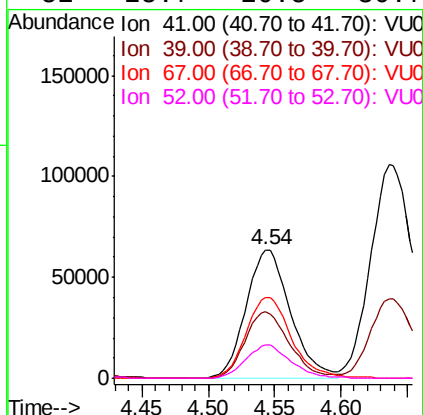
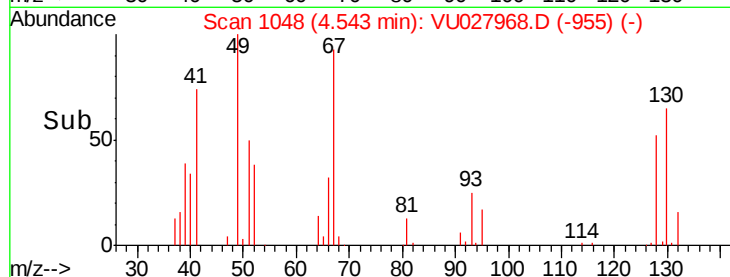
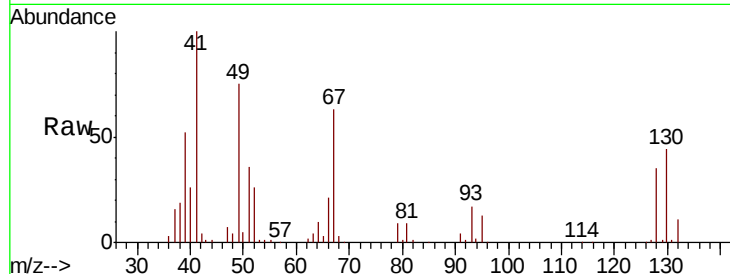
#41
Methacrylonitrile
Concen: 50.012 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.2	63.4	
67	64.7	49.5	74.3	
52	25.7	20.5	30.7	

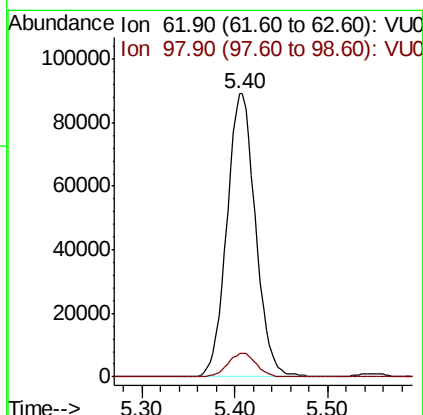
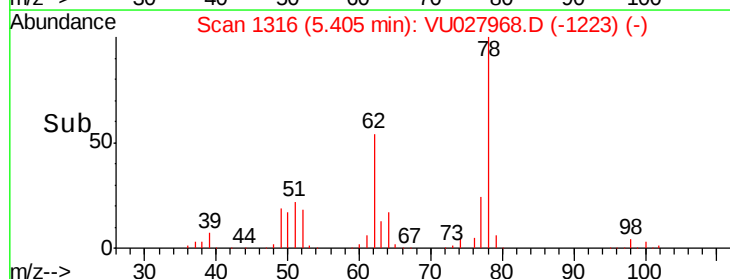
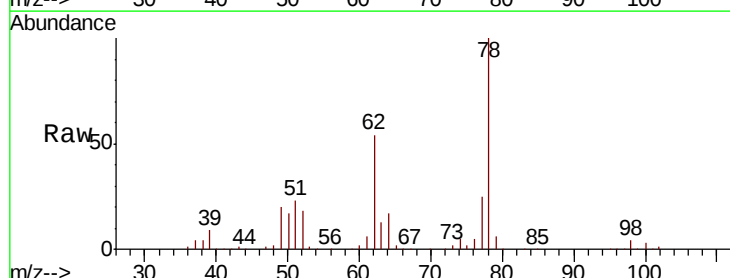
Manual Integrations
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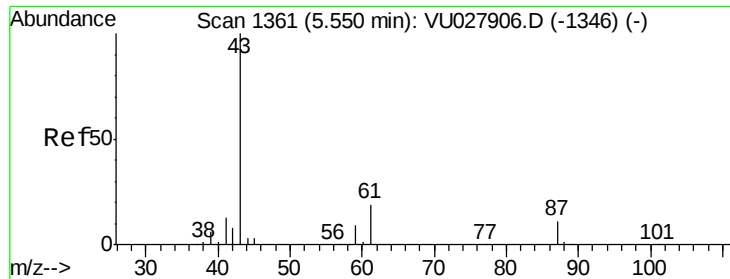
MMDadoda
11/6/2018 12:07:03 PM



#42
1,2-Dichloroethane
Concen: 46.411 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.2	





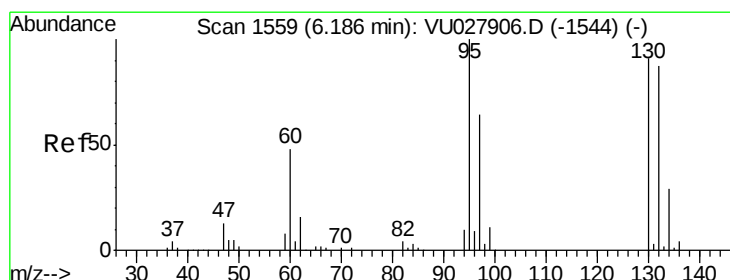
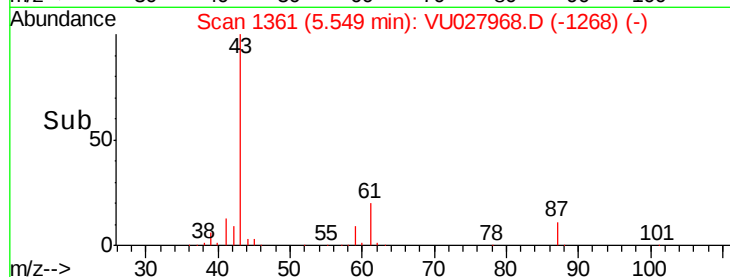
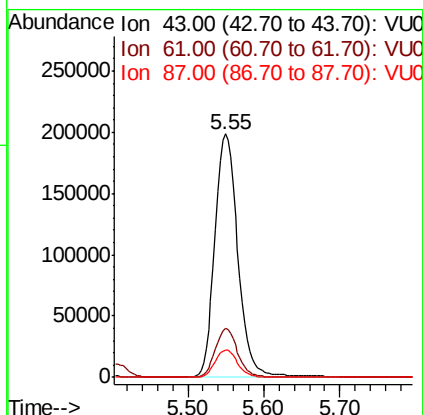
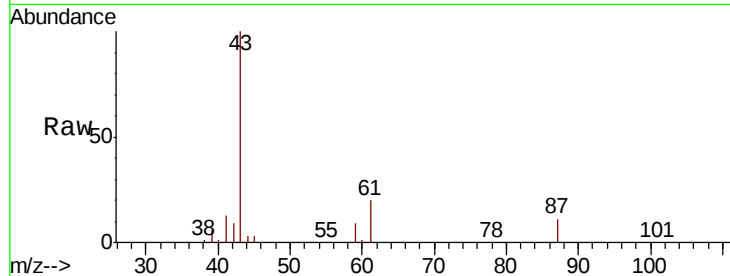
#43
Isopropyl Acetate
Concen: 48.049 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	417271
Ion Ratio	100	Lower	Upper
43	100		
61	19.5	15.0	22.4
87	11.1	8.6	12.8

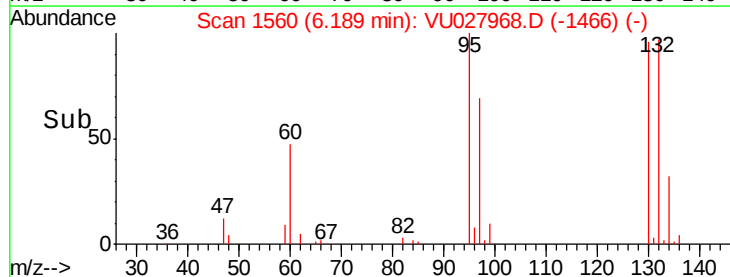
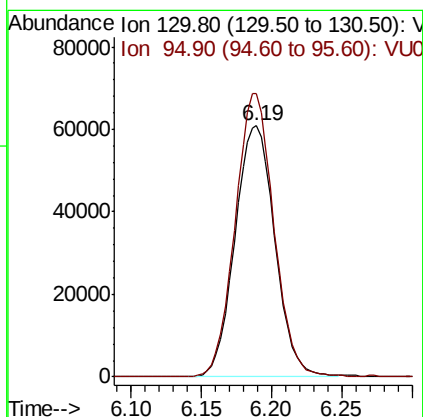
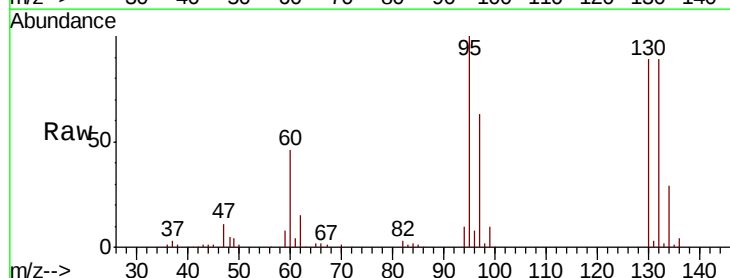
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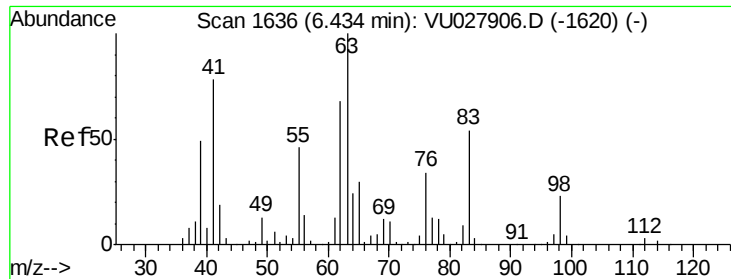
MMDadoda
11/6/2018 12:07:03 PM



#44
Trichloroethene
Concen: 48.514 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	130	Resp	120618
Ion Ratio	100	Lower	Upper
130	100		
95	112.7	0.0	219.2





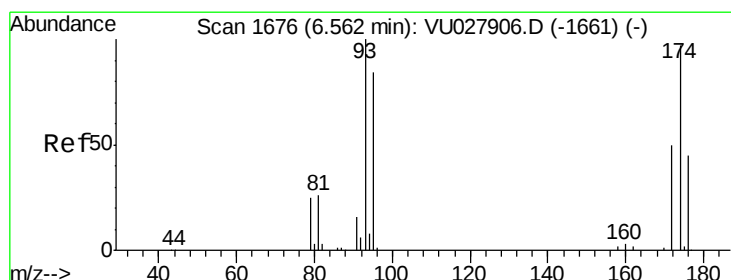
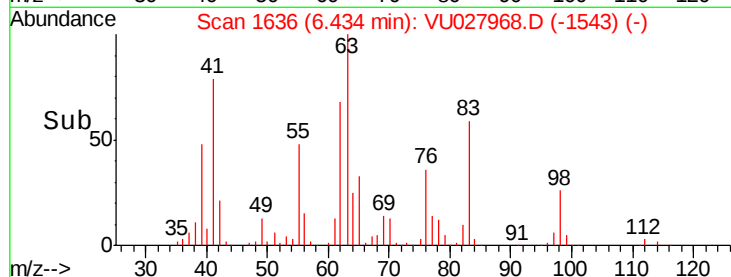
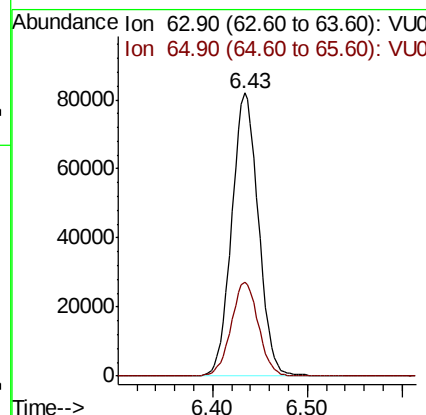
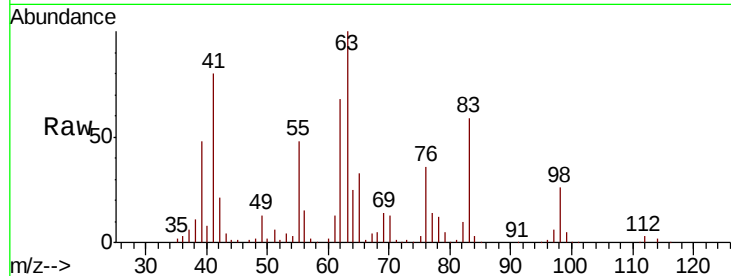
#45
 1,2-Dichloropropane
 Concen: 48.084 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 160393
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.4 36.6

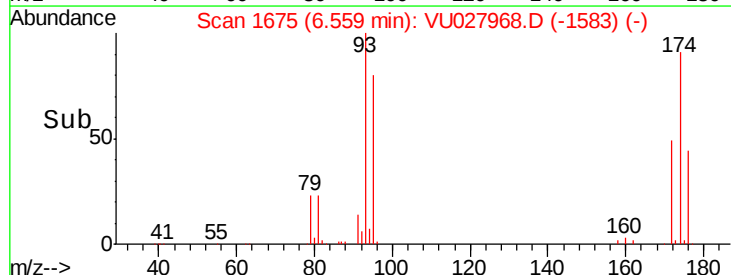
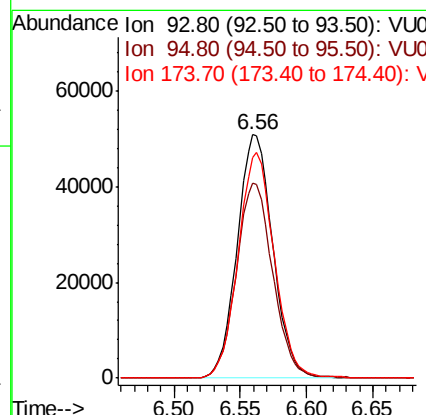
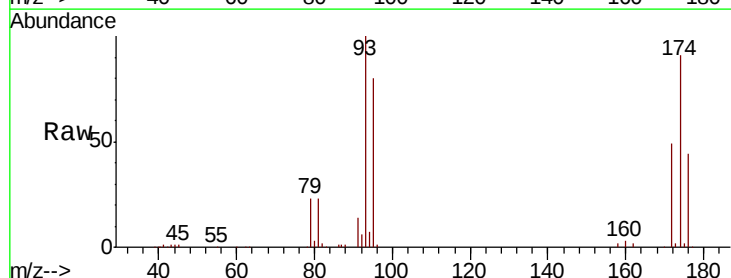
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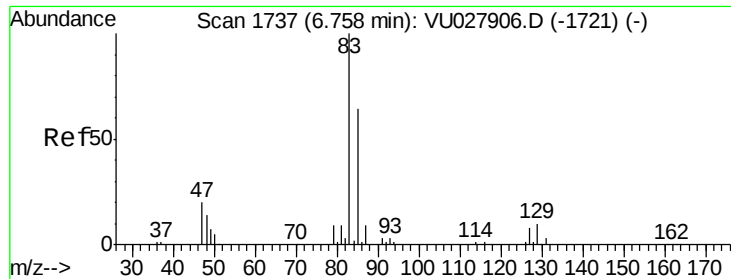
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#46
 Dibromomethane
 Concen: 49.531 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion: 93 Resp: 94969
 Ion Ratio Lower Upper
 93 100
 95 81.8 68.5 102.7
 174 93.7 76.1 114.1





#47

Bromodichloromethane

Concen: 49.134 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

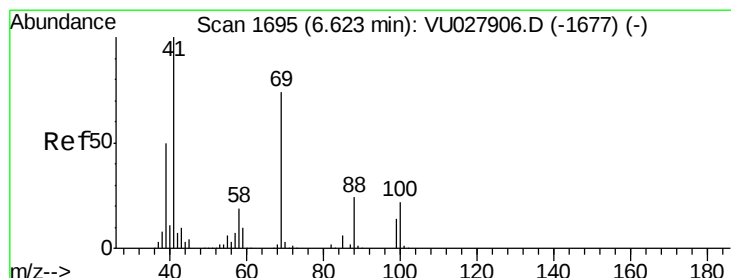
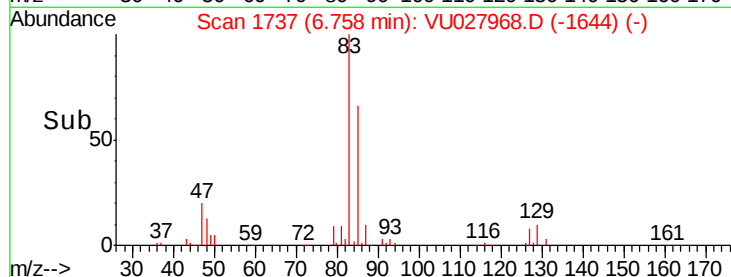
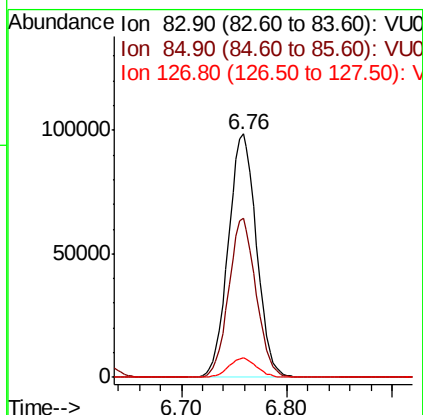
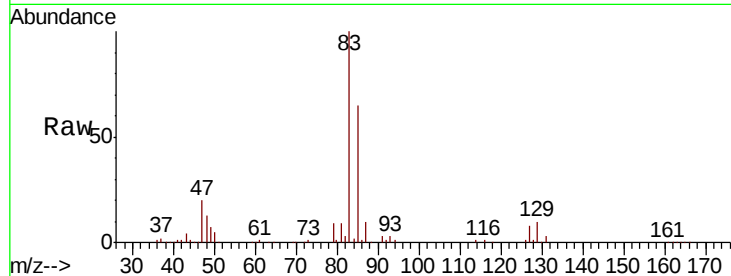
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	181551
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.0	76.6
127	7.9	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.361 ug/l

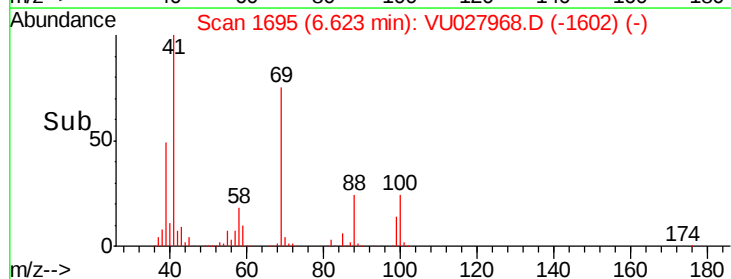
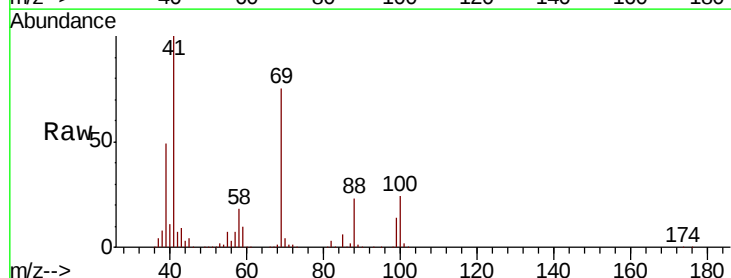
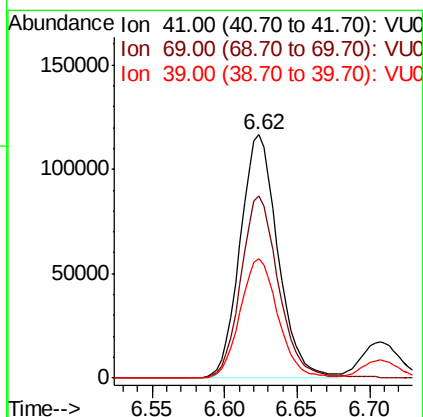
RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion:	41	Resp:	210066
Ion Ratio	Lower	Upper	
41	100		
69	75.6	59.8	89.8
39	49.1	40.0	60.0





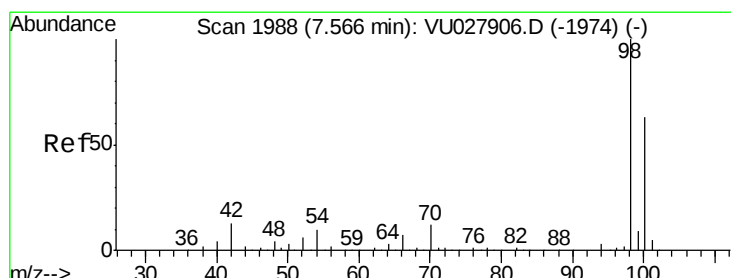
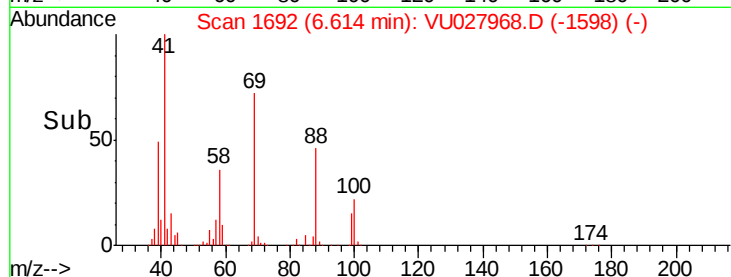
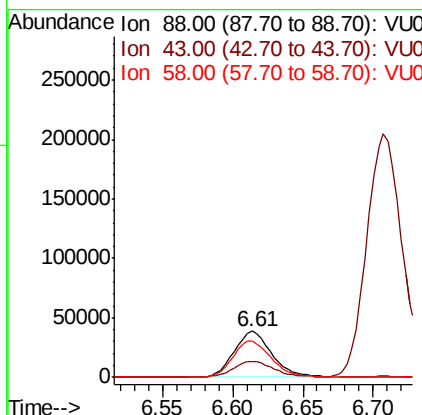
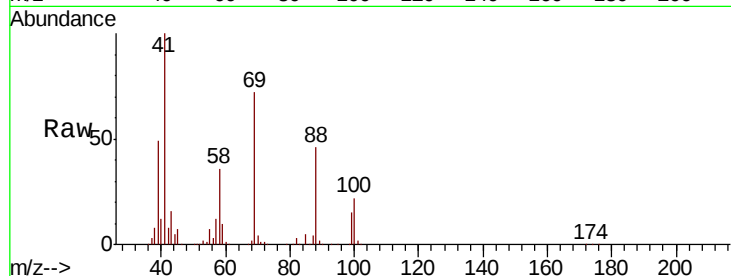
#49
1,4-Dioxane
Concen: 1035.429 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	30.5	45.7
58	81.7	67.1	100.7

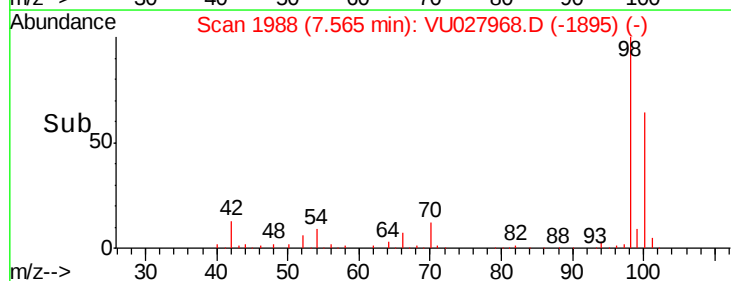
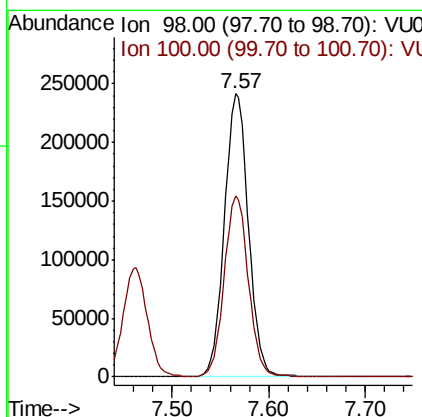
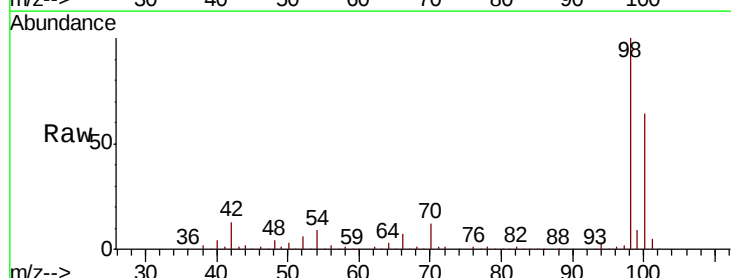
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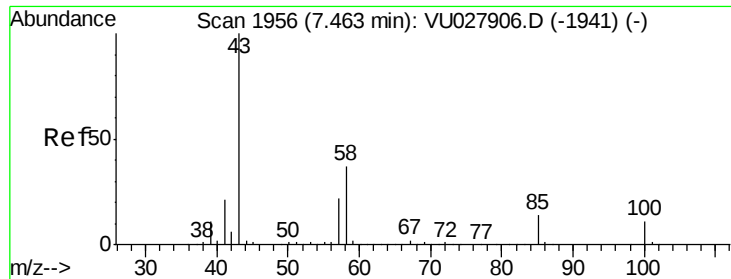
MMDadoda
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#50
Toluene-d8
Concen: 47.415 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 241.548 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1400907

Ion Ratio Lower Upper

43 100

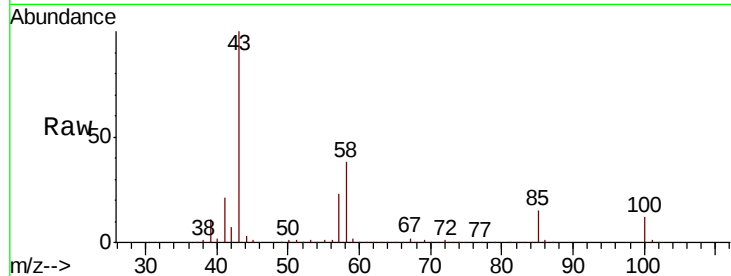
58 37.8 29.5 44.3

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

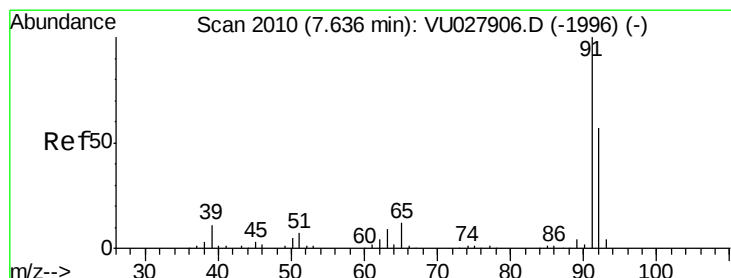
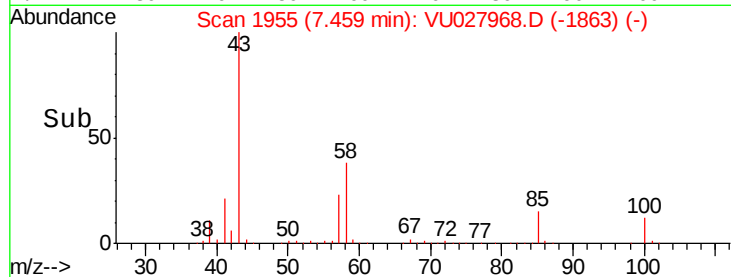
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.556 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027968.D

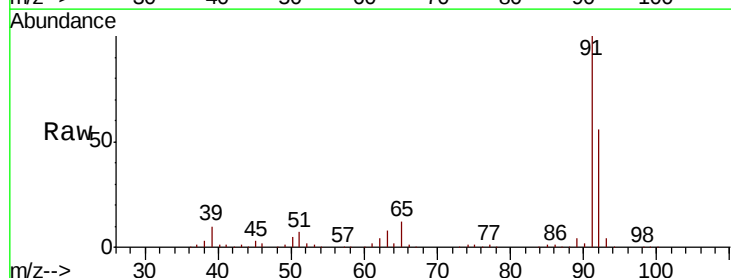
Acq: 05 Nov 2018 19:24

Tgt Ion: 92 Resp: 330174

Ion Ratio Lower Upper

92 100

91 176.7 141.2 211.8



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

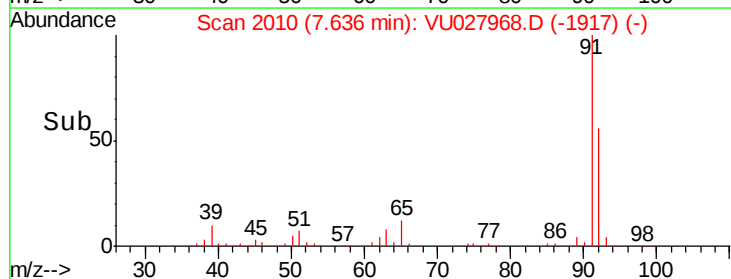
300000

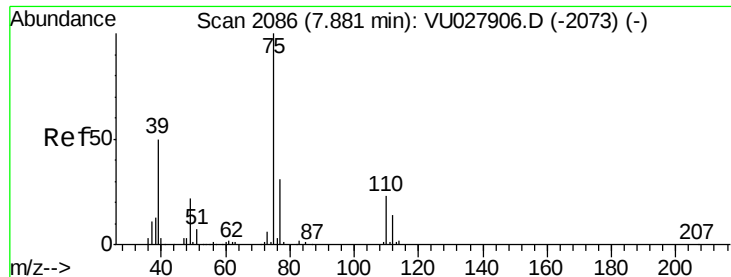
200000

100000

0

Time-->





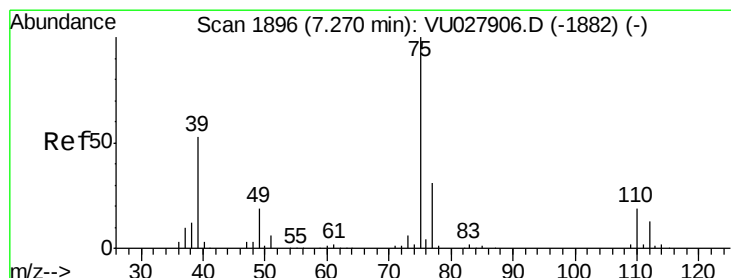
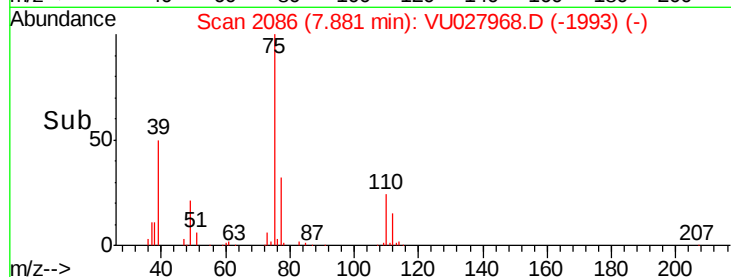
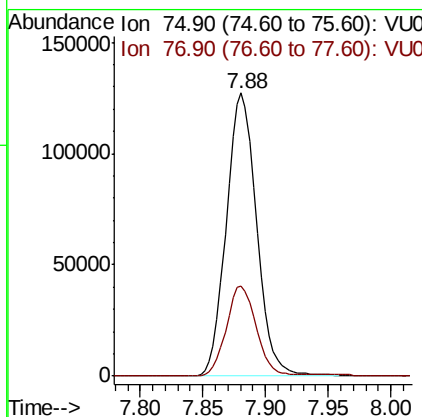
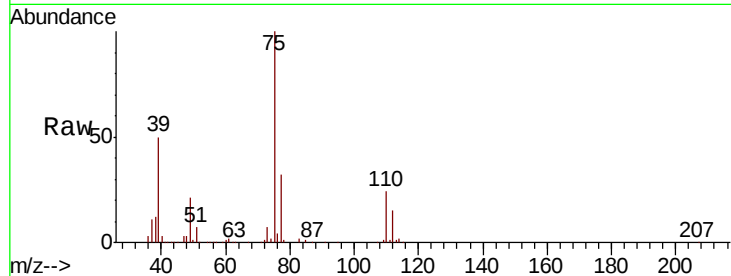
#53
t-1,3-Dichloropropene
Concen: 46.598 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

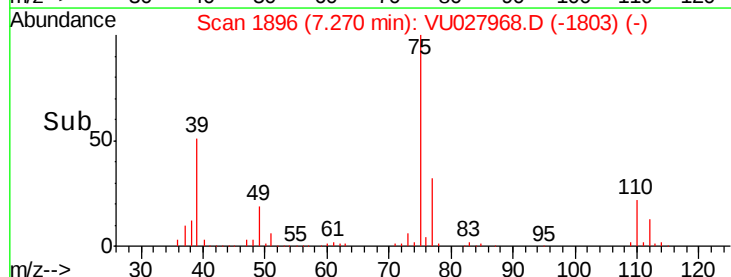
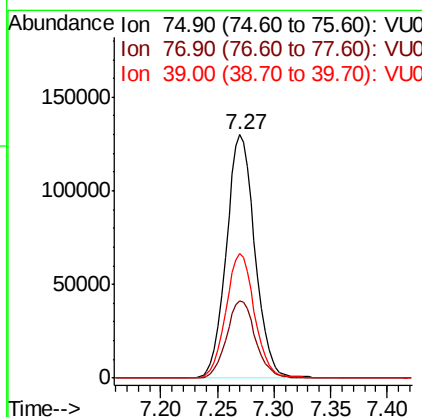
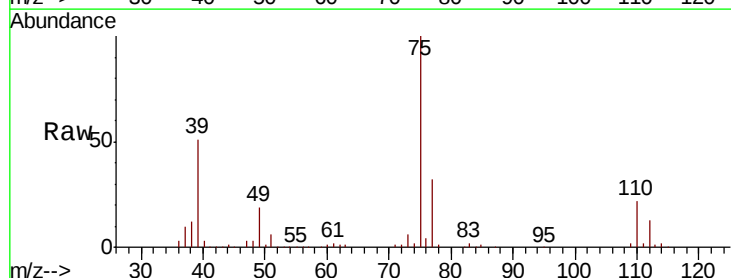
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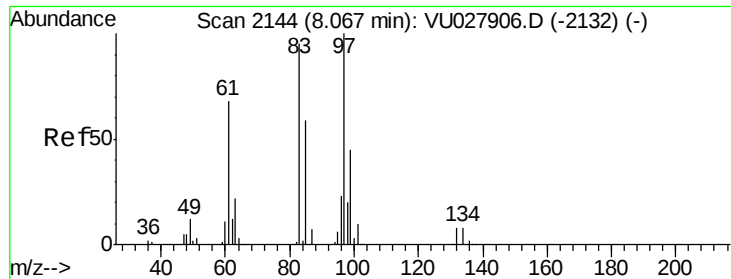
MMDadoda
11/6/2018 12:07:03 PM



#54
cis-1,3-Dichloropropene
Concen: 50.131 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0
39	51.3	42.6	64.0





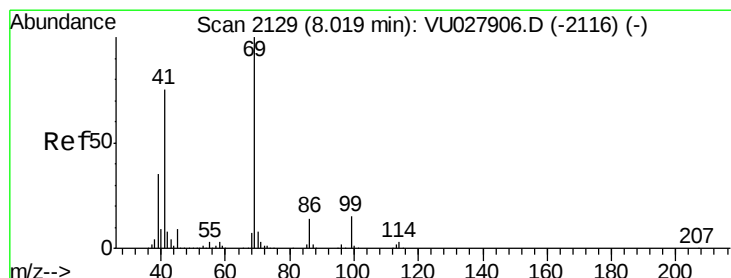
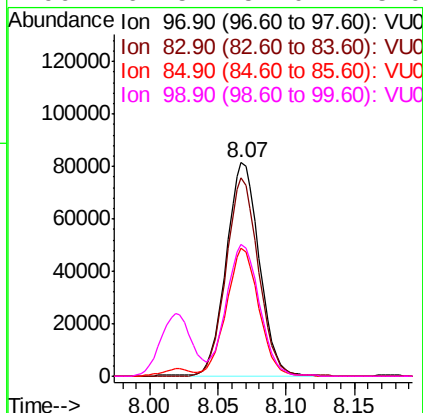
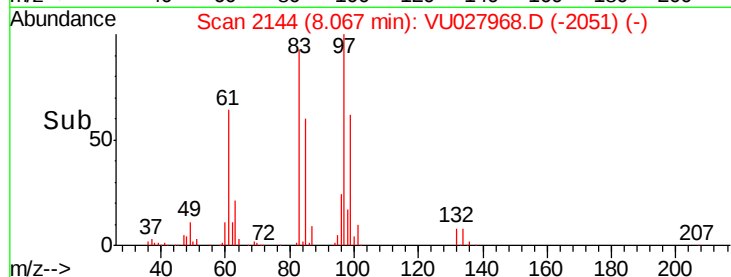
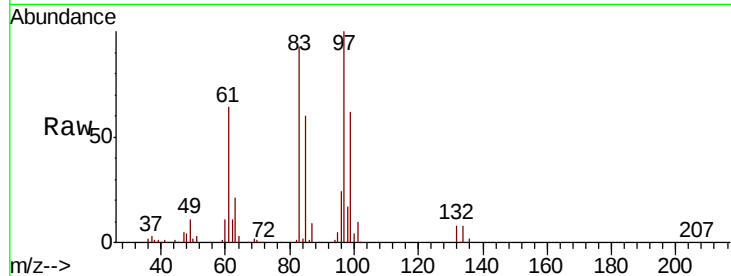
#55
 1,1,2-Trichloroethane
 Concen: 49.458 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136824		
83	92.8	76.1	114.1		
85	59.9	48.9	73.3		
99	61.5	52.0	78.0		

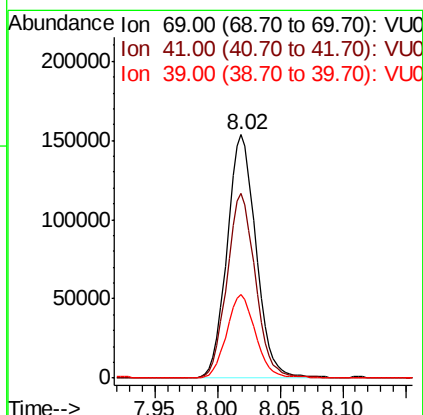
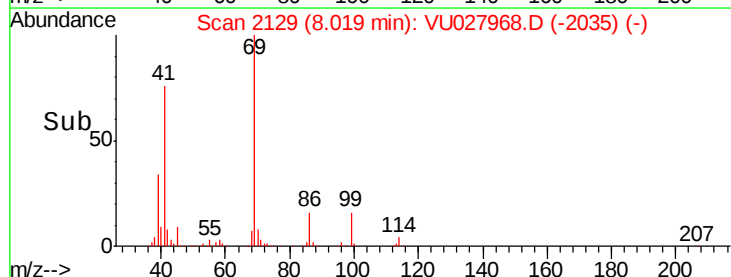
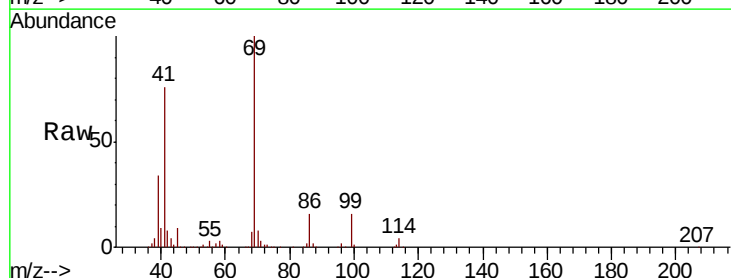
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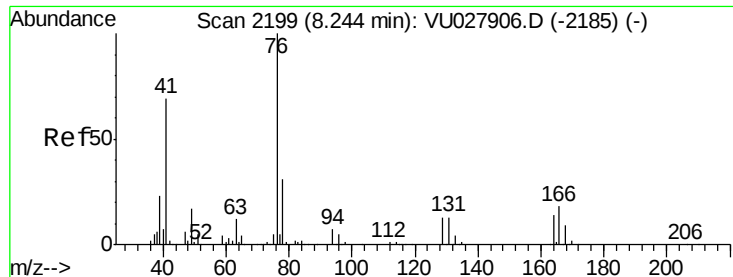
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#56
 Ethyl methacrylate
 Concen: 50.836 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		248010		
41	74.1	59.8	89.6		
39	34.0	28.6	42.8		





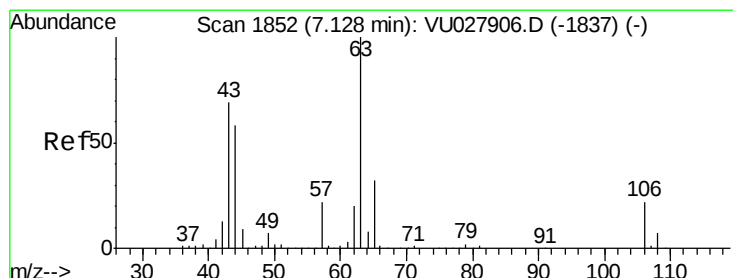
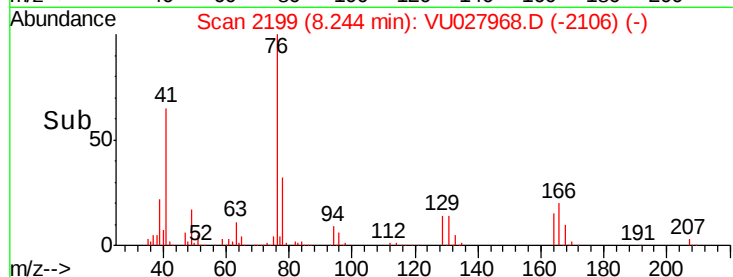
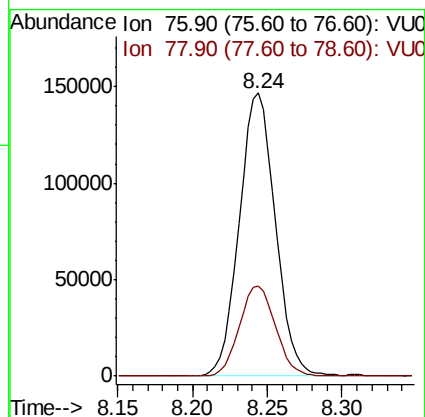
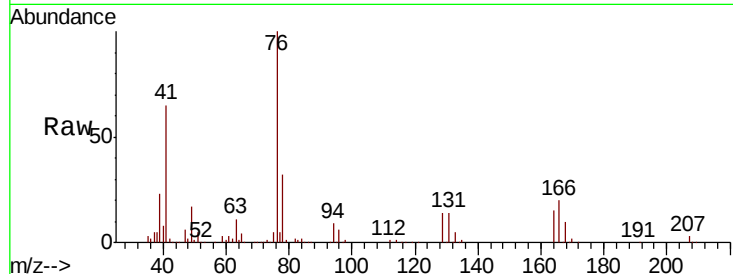
#57
 1,3-Dichloropropane
 Concen: 48.894 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 246397
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.3 37.9

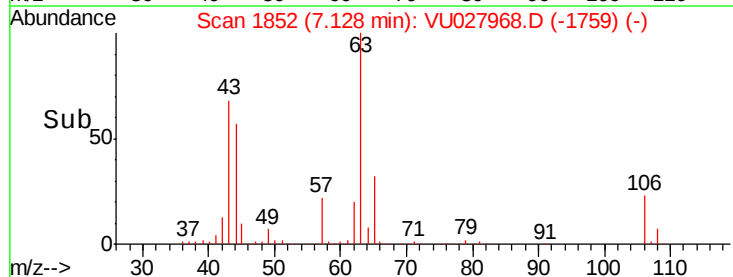
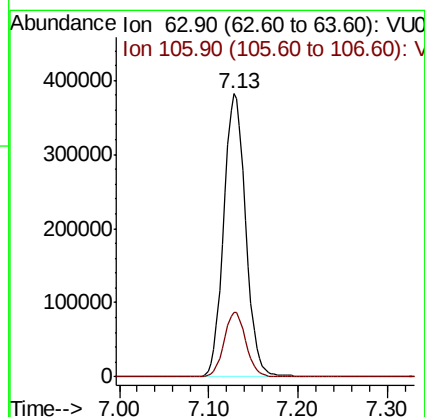
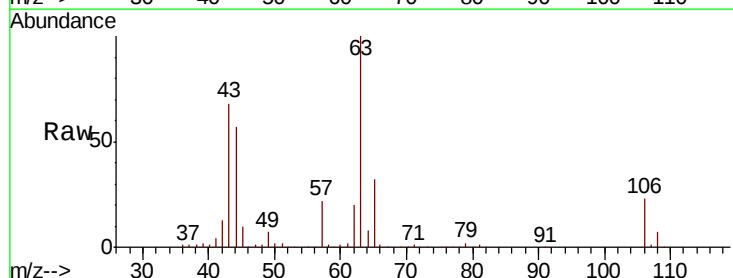
Manual Integrations
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 11/6/2018 12:07:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.694 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion: 63 Resp: 652418
 Ion Ratio Lower Upper
 63 100
 106 22.7 17.8 26.6





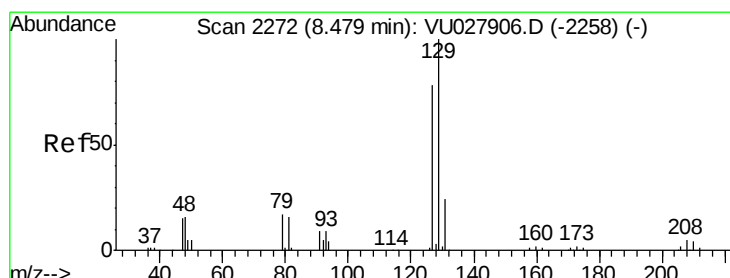
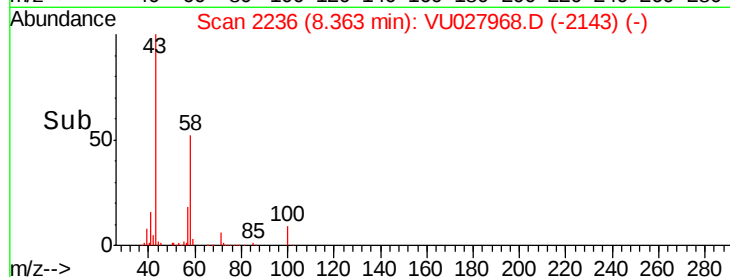
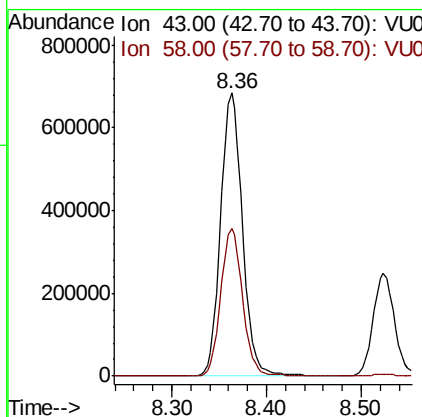
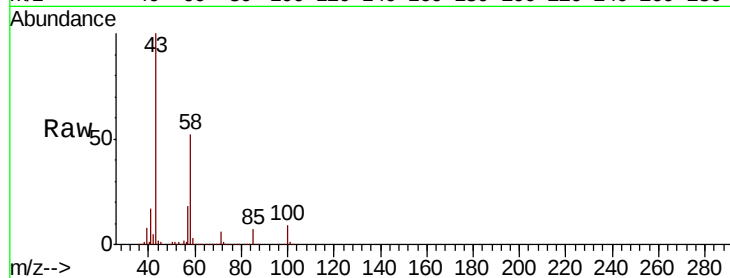
#59
2-Hexanone
Concen: 244.140 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1095133
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3

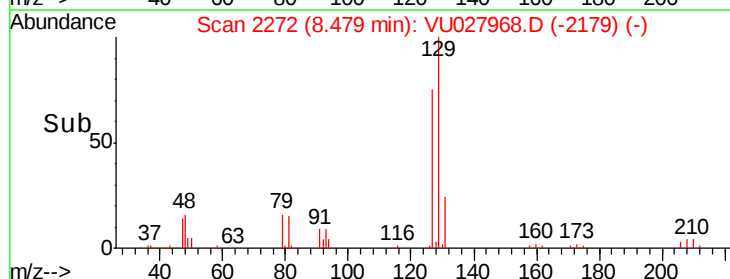
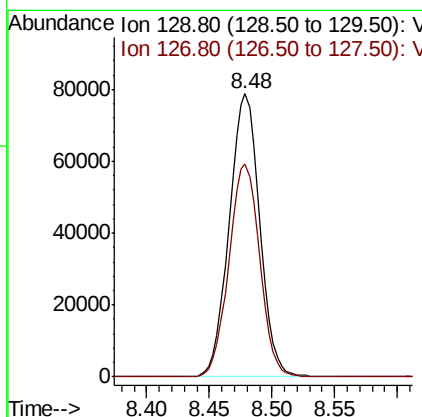
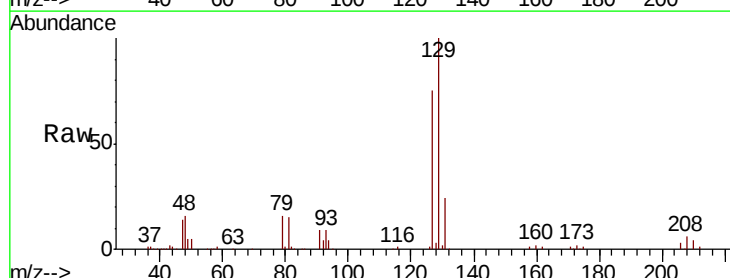
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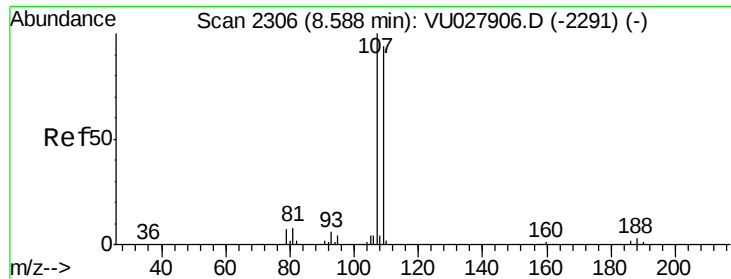
MMDadoda
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#60
Dibromochloromethane
Concen: 50.691 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion: 129 Resp: 132702
Ion Ratio Lower Upper
129 100
127 76.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 49.715 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 146140

Ion Ratio Lower Upper

107 100

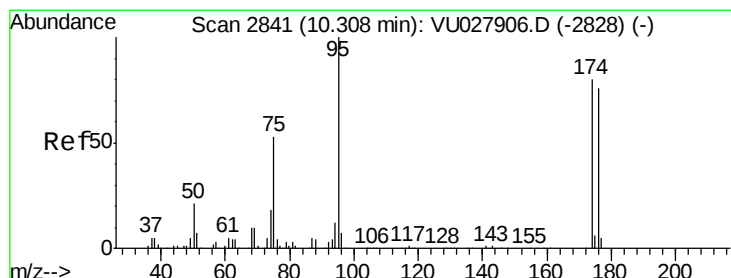
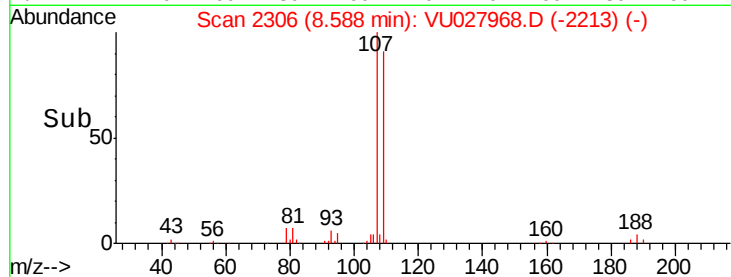
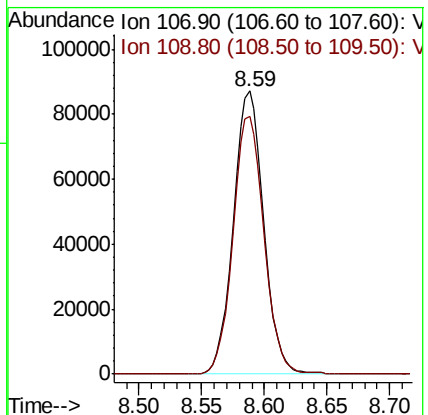
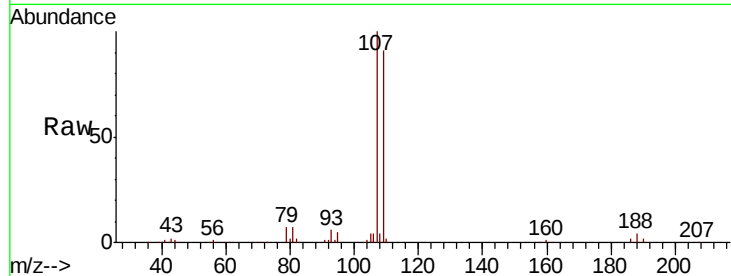
109 93.5 73.8 110.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.839 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

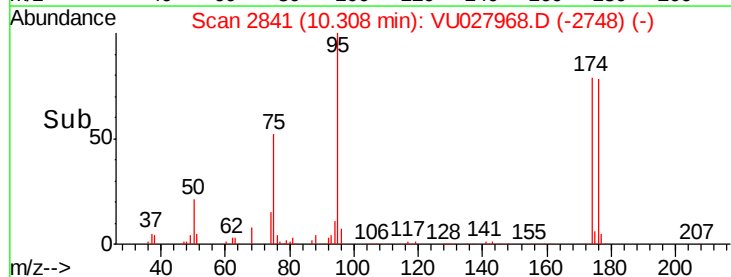
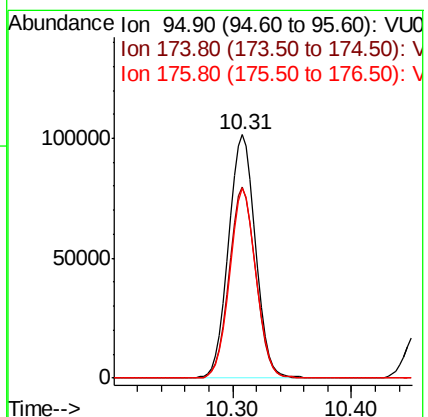
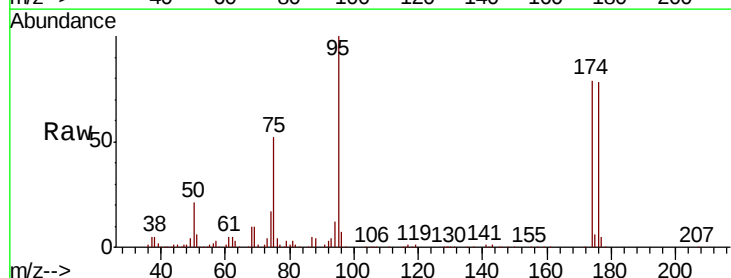
Tgt Ion: 95 Resp: 158483

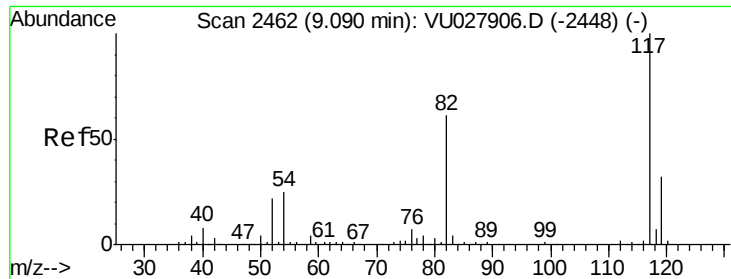
Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.4

176 76.2 0.0 150.8





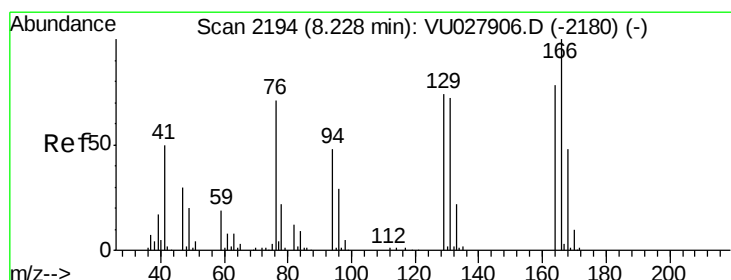
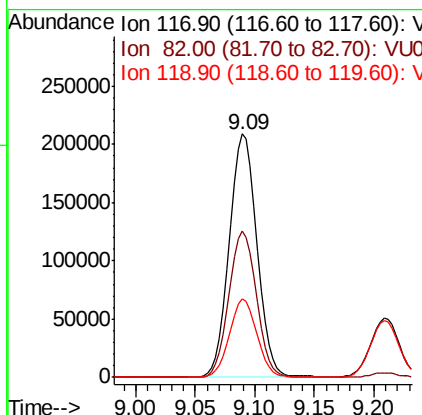
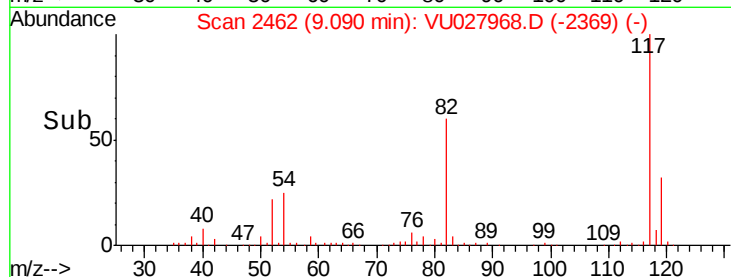
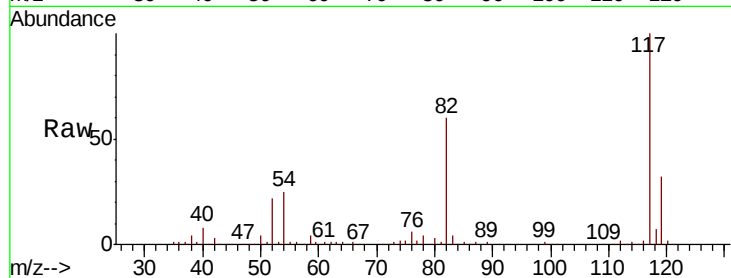
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.6	73.0
119	32.3	25.8	38.8

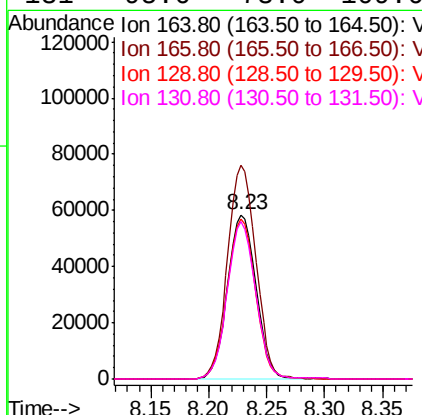
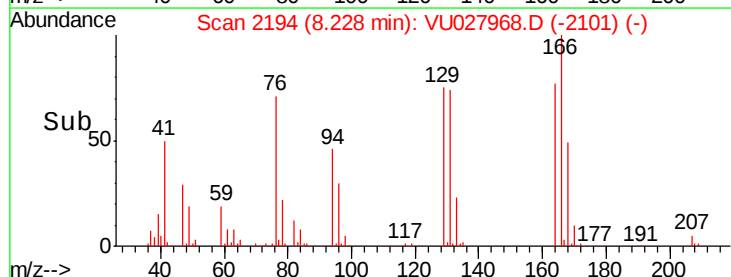
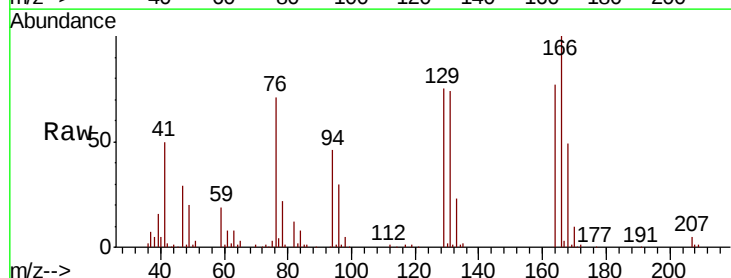
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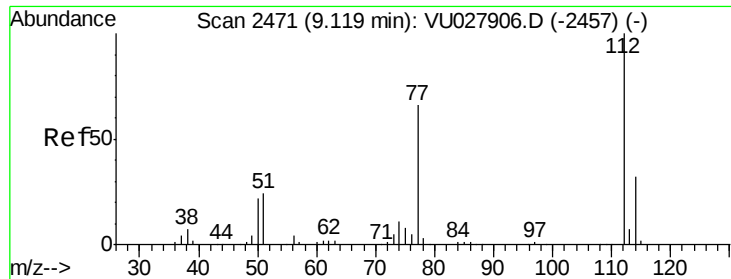
MMDadoda
11/6/2018 12:07:03 PM



#64
Tetrachloroethene
Concen: 45.604 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.1	153.1
129	97.3	75.9	113.9
131	95.6	73.0	109.6





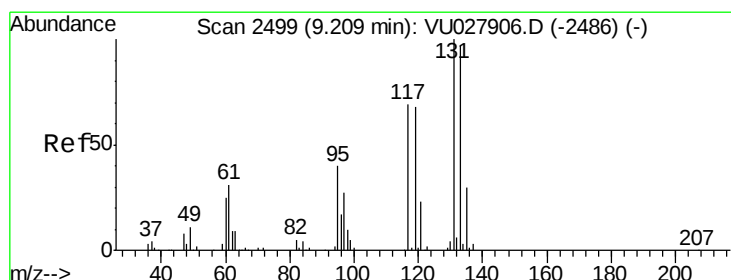
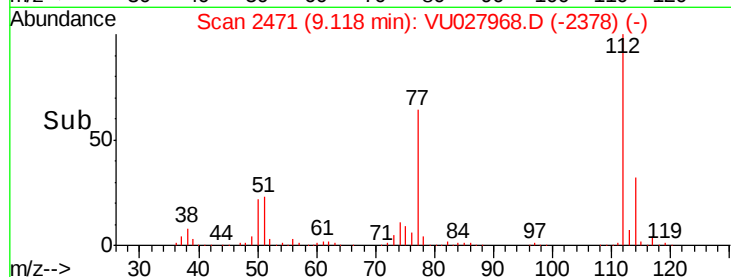
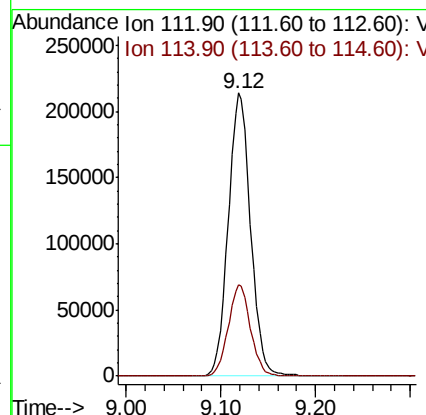
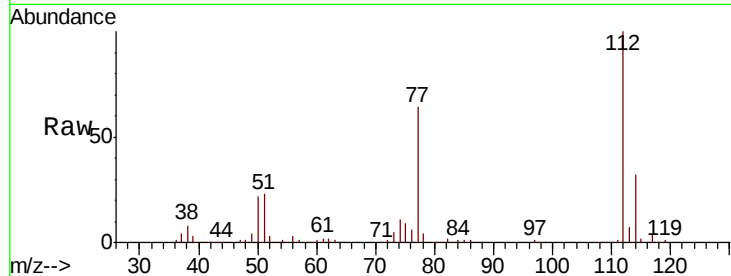
#65
Chlorobenzene
Concen: 49.094 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 350553
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

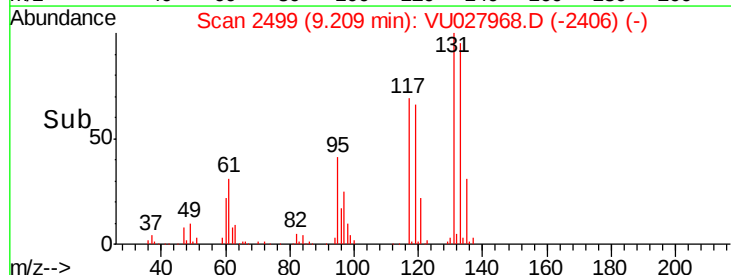
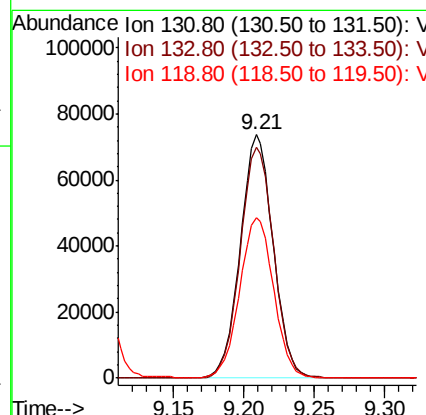
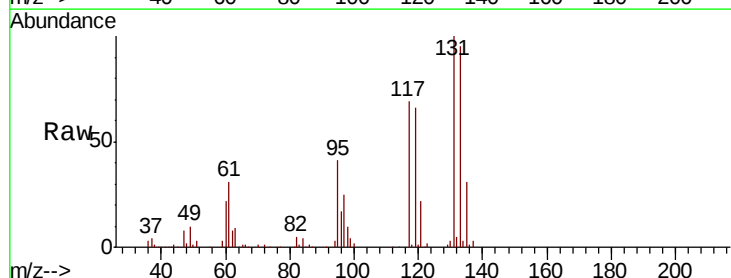
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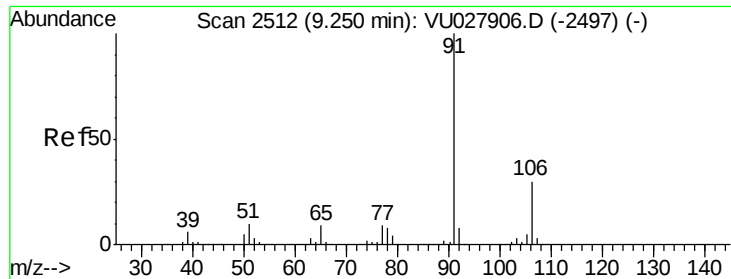
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.340 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion:131 Resp: 120337
Ion Ratio Lower Upper
131 100
133 96.9 48.1 144.4
119 68.4 34.0 101.8





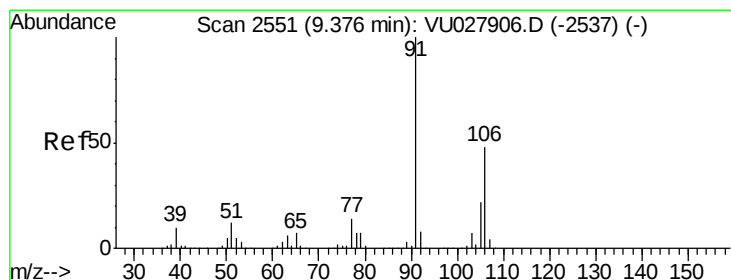
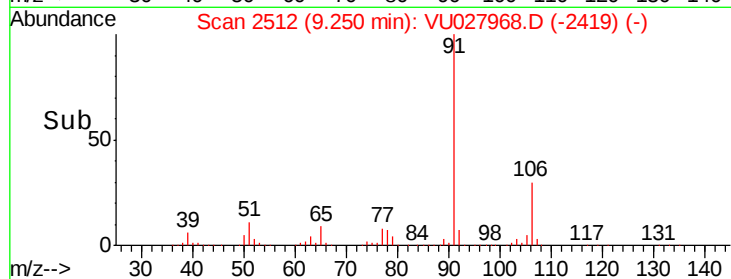
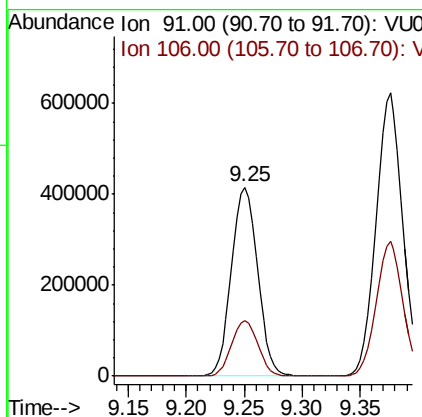
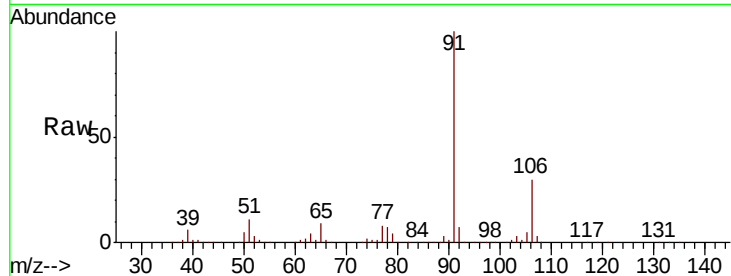
#67
Ethyl Benzene
Concen: 49.792 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 654426
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

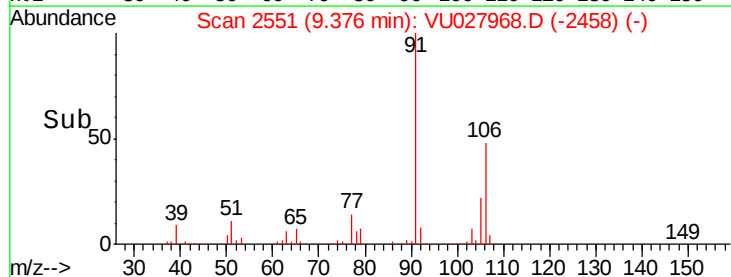
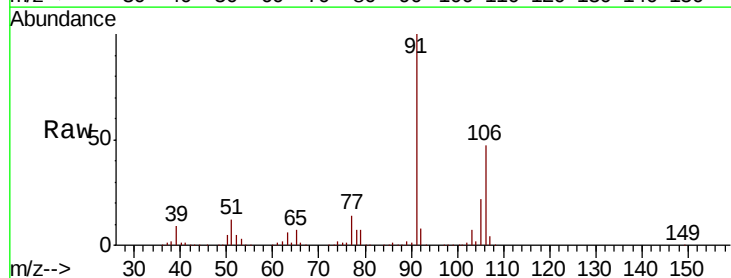
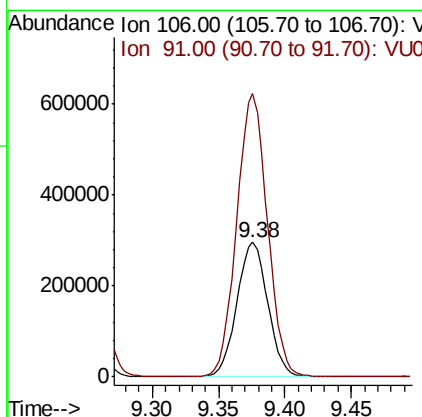
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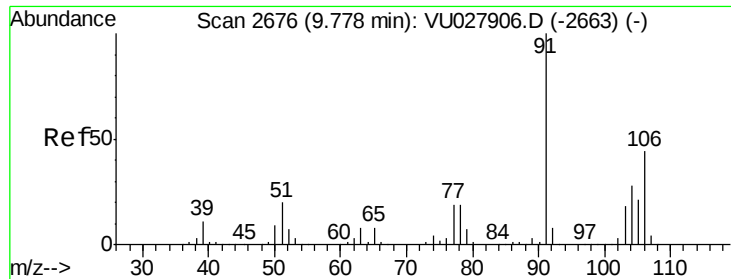
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#68
m/p-Xylenes
Concen: 100.031 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion: 106 Resp: 477035
Ion Ratio Lower Upper
106 100
91 210.5 168.2 252.4





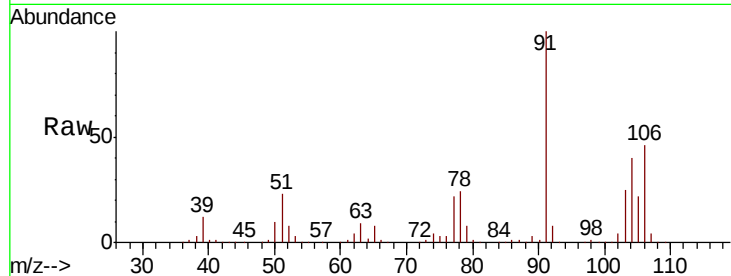
#69
o-Xylene
Concen: 48.842 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

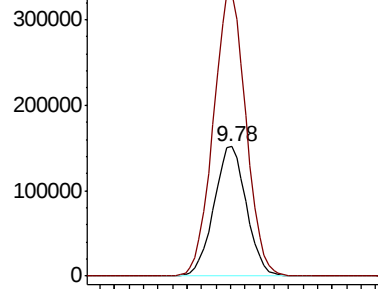
Tot Ion:106 Resp: 235198
Ion Ratio Lower Upper
106 100
91 220.9 111.1 333.4

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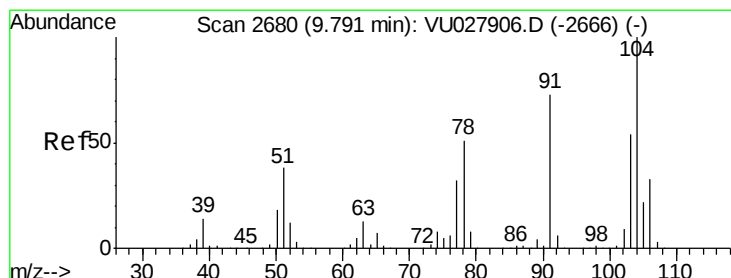
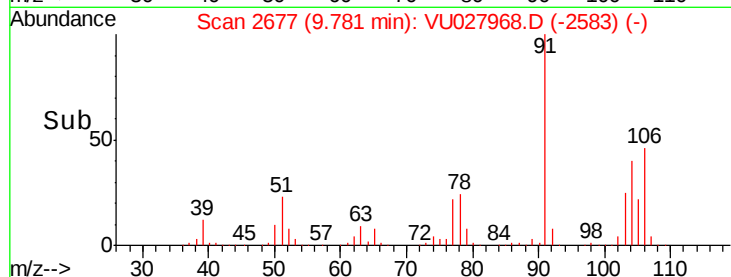
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

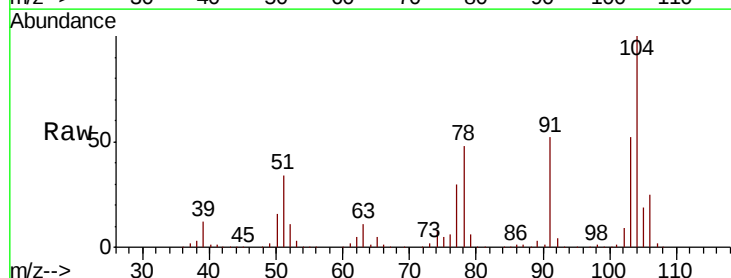


Time-->

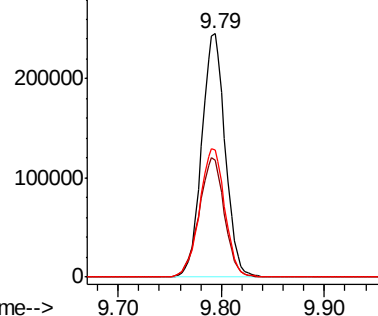


#70
Styrene
Concen: 50.790 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

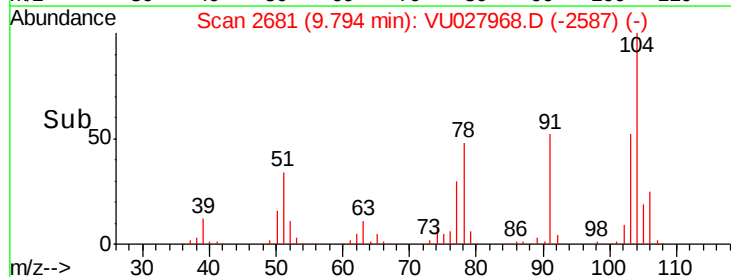
Tgt Ion:104 Resp: 390797
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.4
103 56.5 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 49.691 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 101568

Ion Ratio Lower Upper

173 100

175 48.0 24.3 72.8

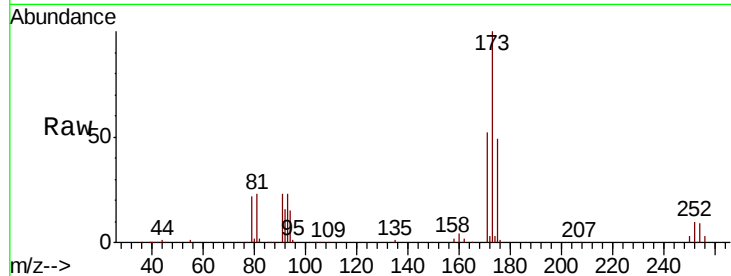
254 0.0 0.0 0.0#

Manual Integrations

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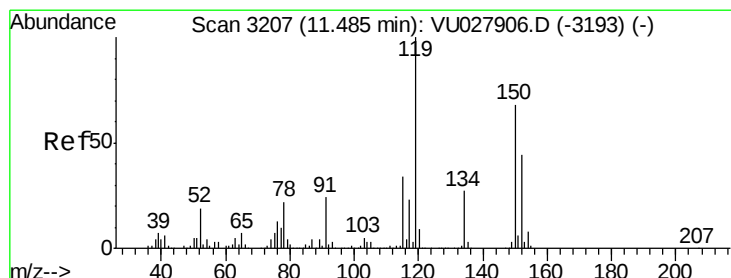
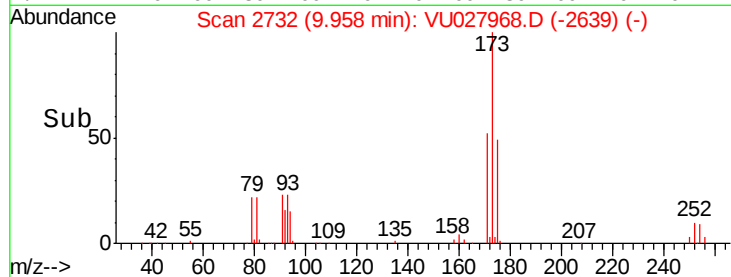
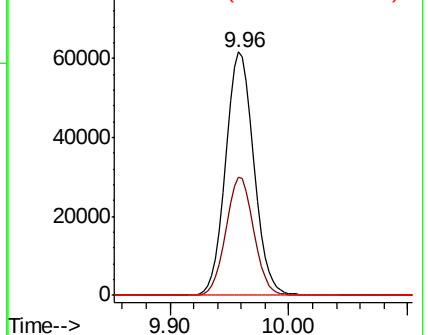
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3207

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

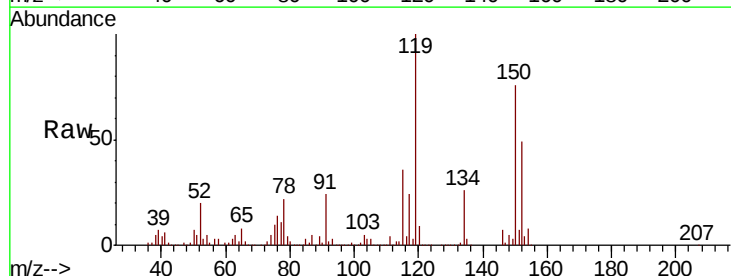
Tgt Ion:152 Resp: 170611

Ion Ratio Lower Upper

152 100

115 82.5 43.0 129.0

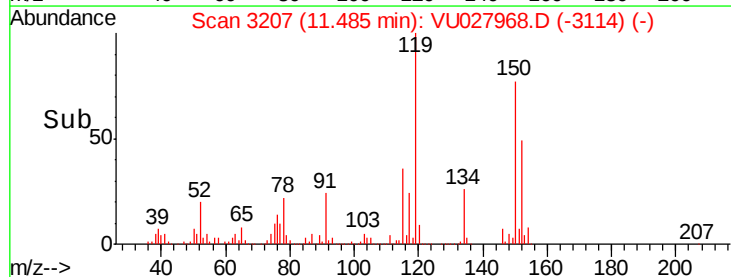
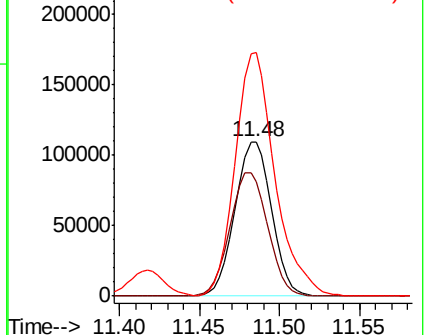
150 170.9 0.0 349.4

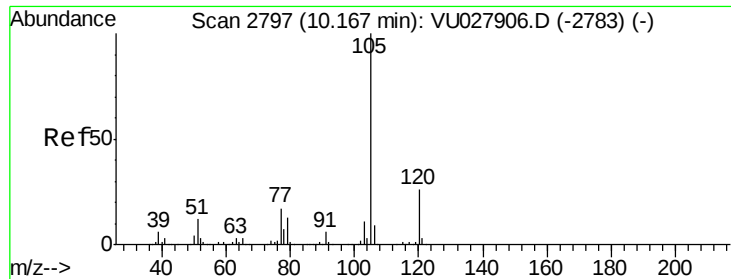


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.159 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 623303

Ion Ratio Lower Upper

105 100

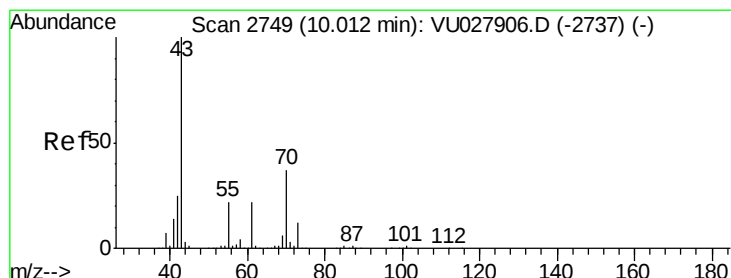
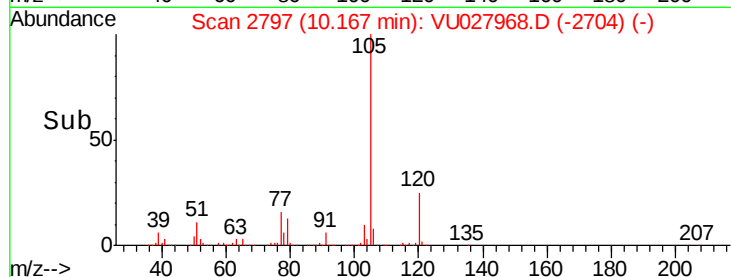
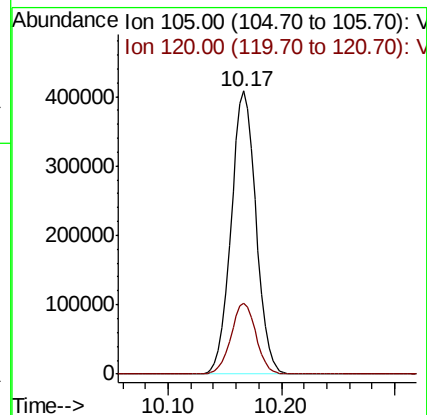
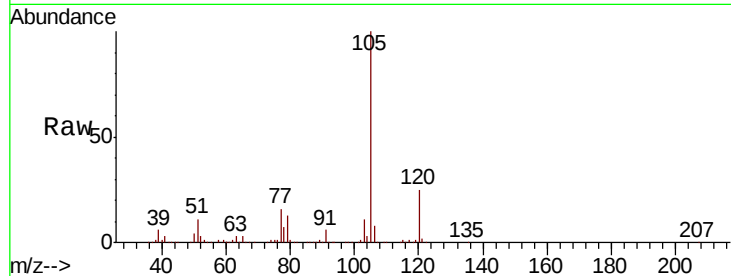
120 25.3 12.7 38.0

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#74

N-ethyl acetate

Concen: 49.488 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion: 43 Resp: 395511

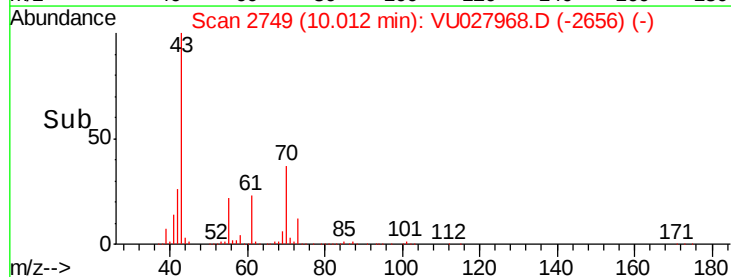
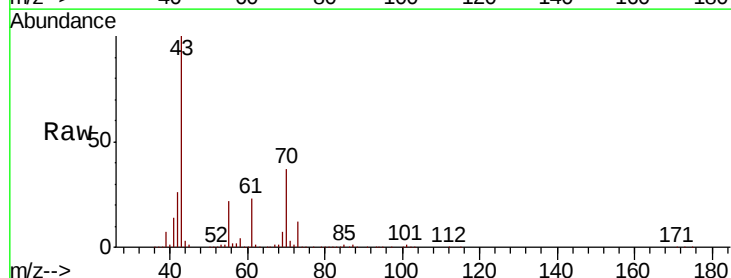
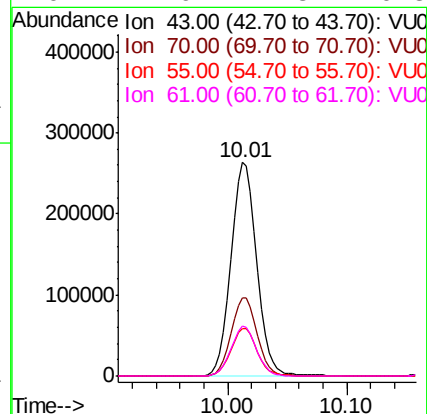
Ion Ratio Lower Upper

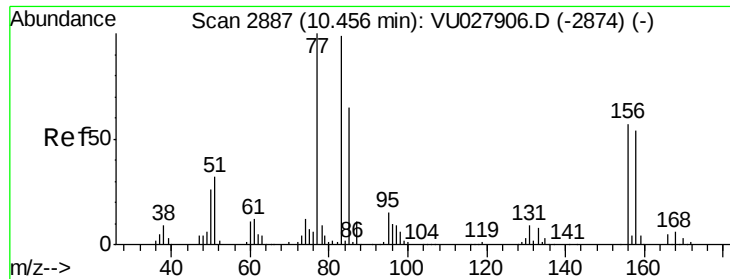
43 100

70 36.8 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: 47.191 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 251590

Ion Ratio Lower Upper

83 100

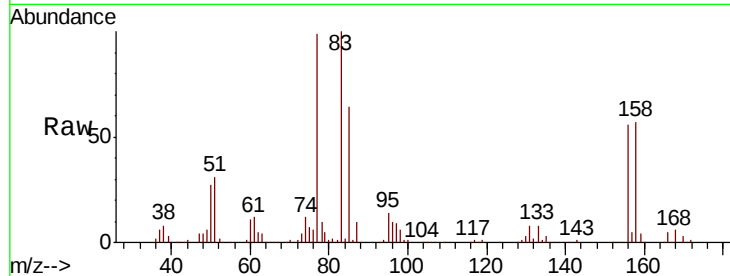
131 8.1 4.3 13.1

85 63.6 32.4 97.2

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MMDadoda

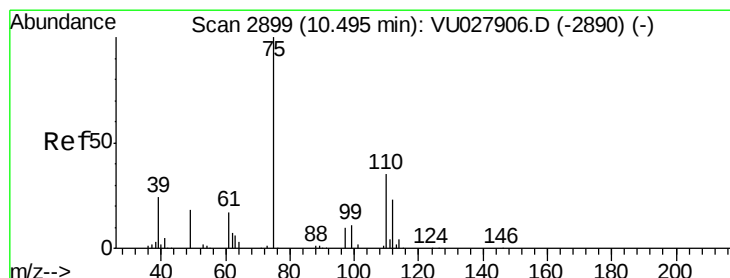
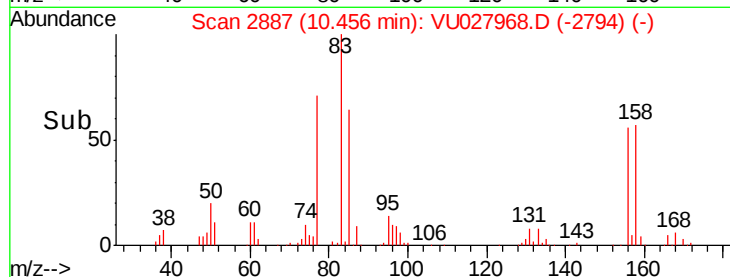
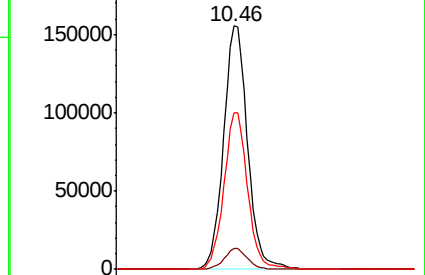
11/6/2018 12:07:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VU027968.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027968.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027968.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 44.636 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027968.D

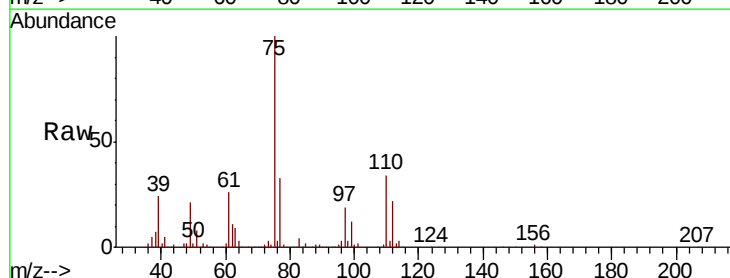
Acq: 05 Nov 2018 19:24

Tgt Ion: 75 Resp: 208305

Ion Ratio Lower Upper

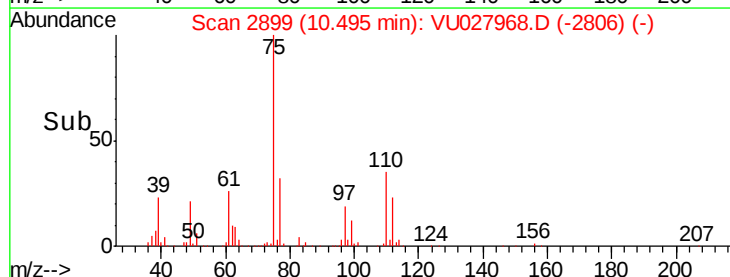
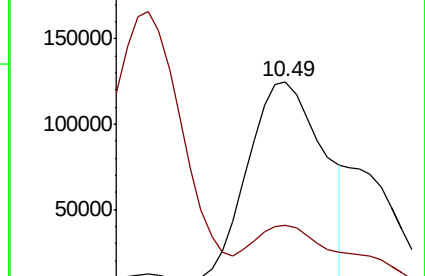
75 100

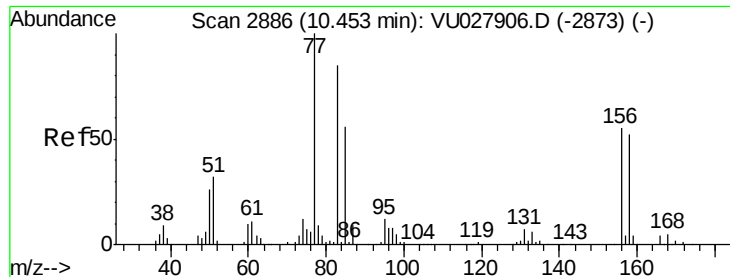
77 44.0 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027968.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027968.D (-2890) (-)





#77

Bromobenzene

Concen: 49.063 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 148696

Ion Ratio Lower Upper

156 100

77 181.2 91.8 275.6

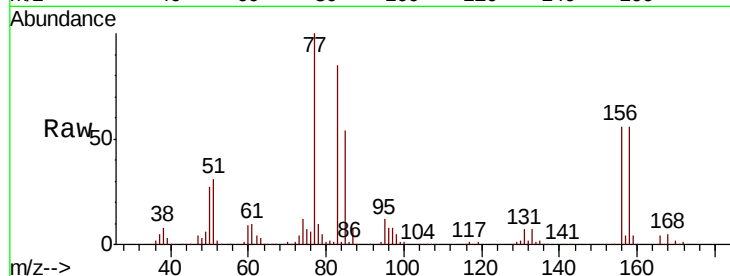
158 98.3 48.4 145.2

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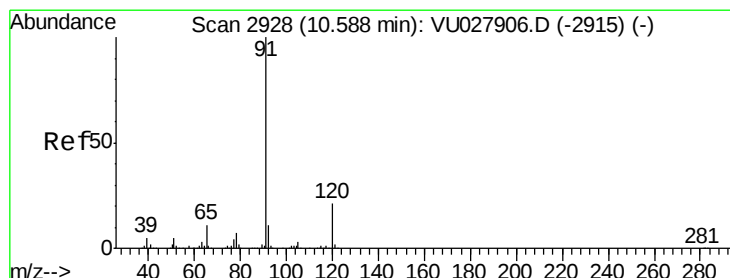
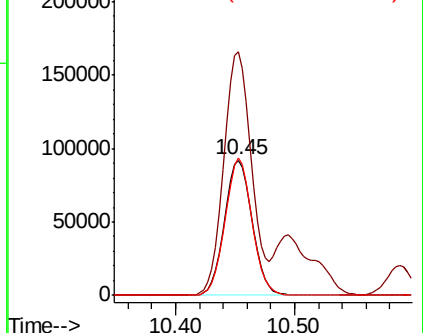
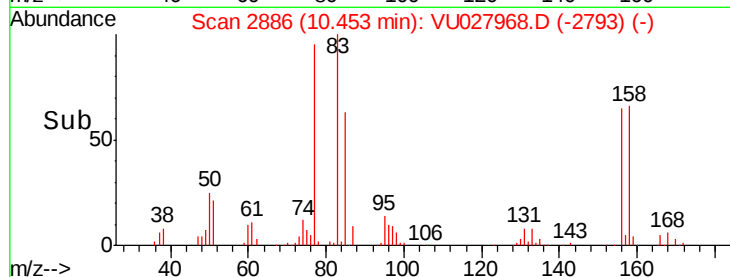
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.468 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027968.D

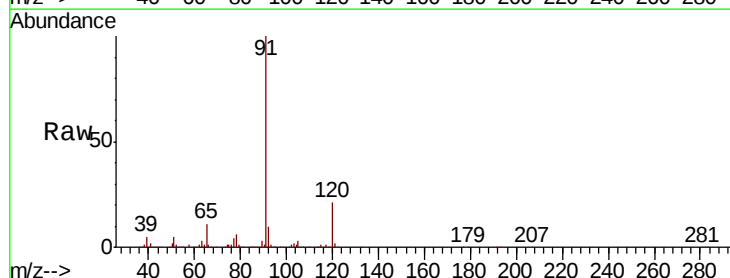
Acq: 05 Nov 2018 19:24

Tgt Ion: 91 Resp: 766794

Ion Ratio Lower Upper

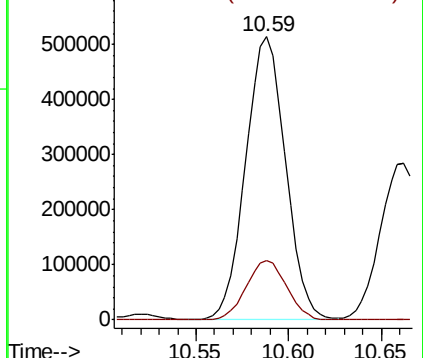
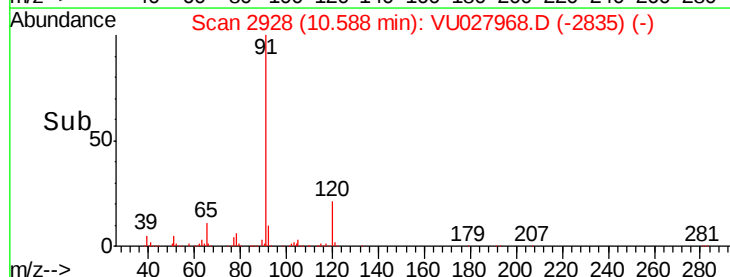
91 100

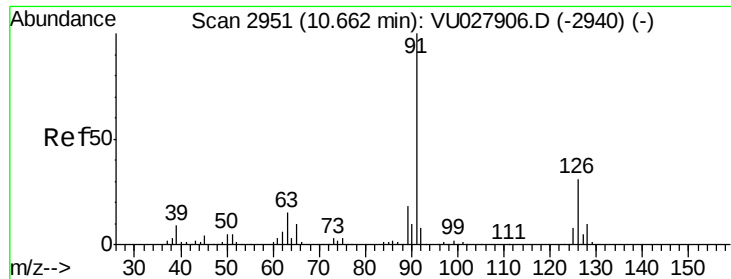
120 21.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





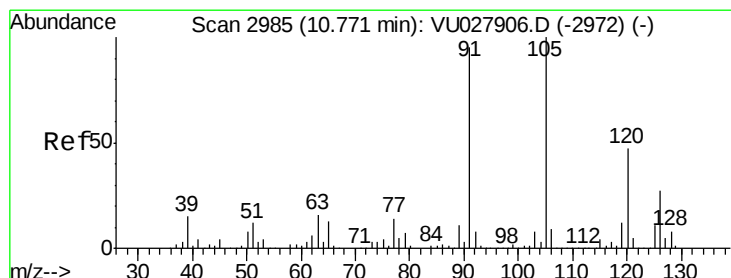
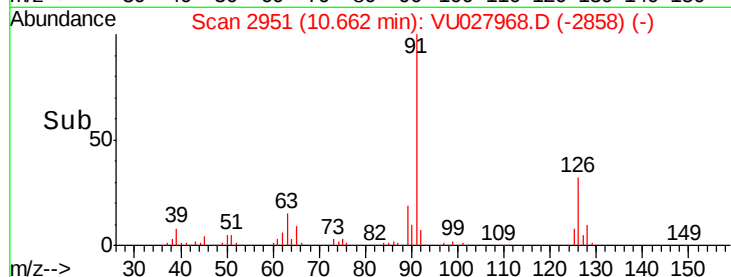
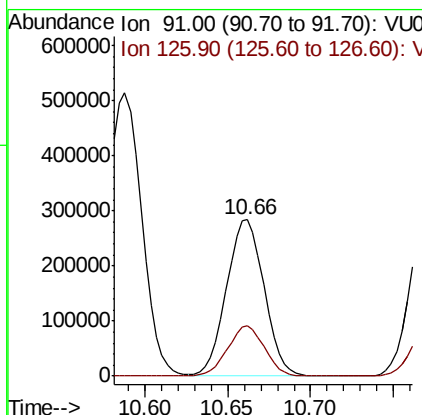
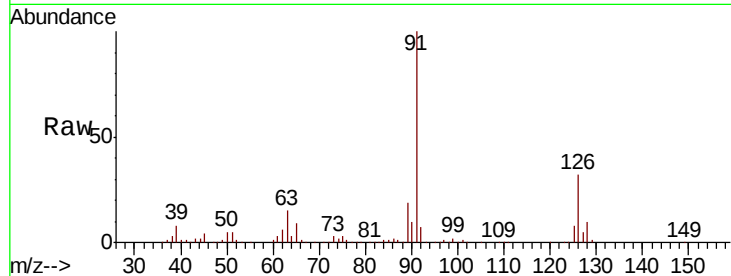
#79
 2-Chlorotoluene
 Concen: 47.064 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 446306
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.0 47.9

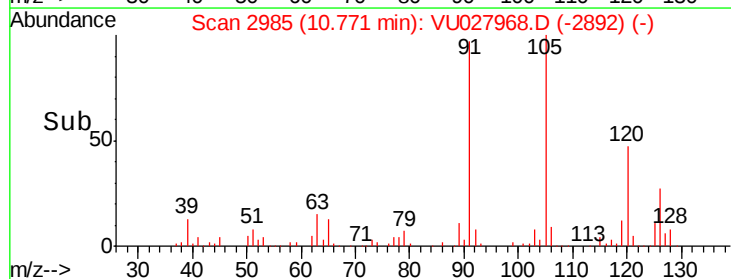
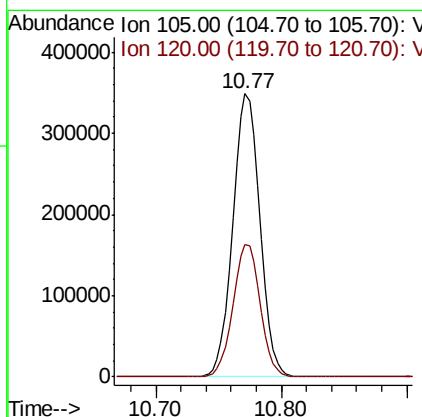
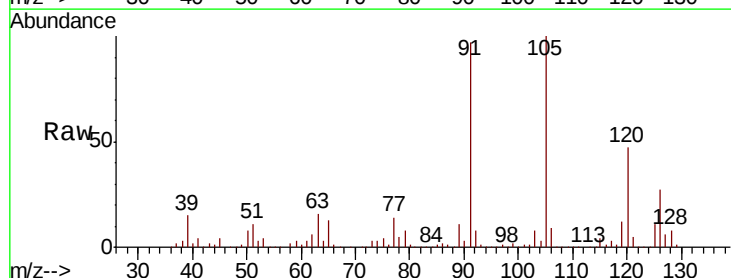
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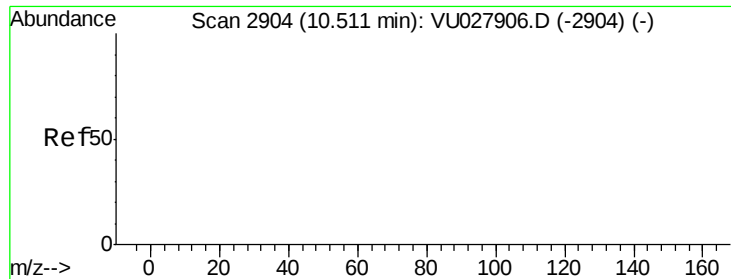
MMDadoda
 11/6/2018 12:07:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.649 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion: 105 Resp: 521708
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.9





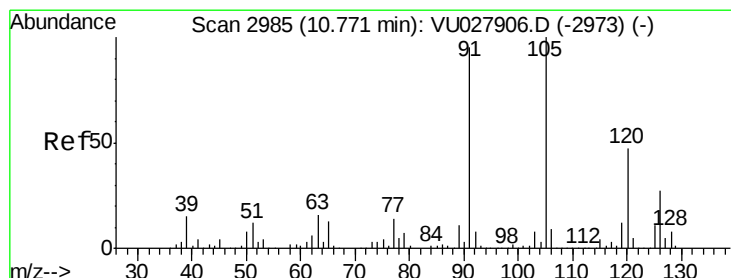
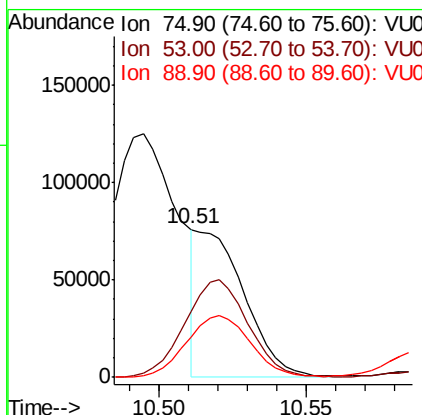
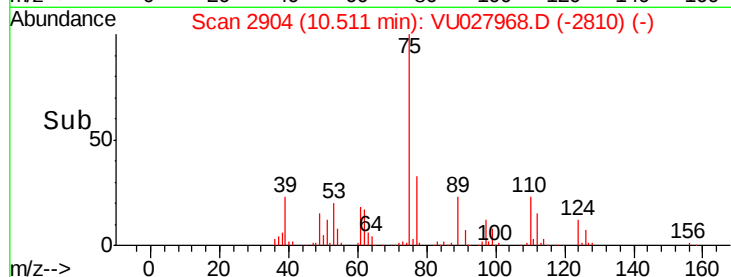
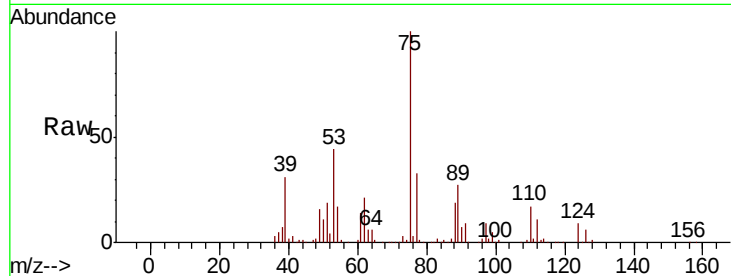
#81
trans-1,4-Dichloro-2-butene
Concen: 45.572 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

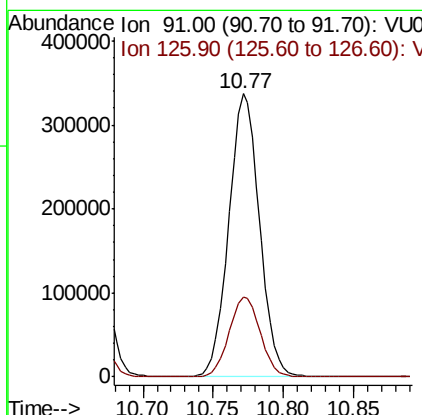
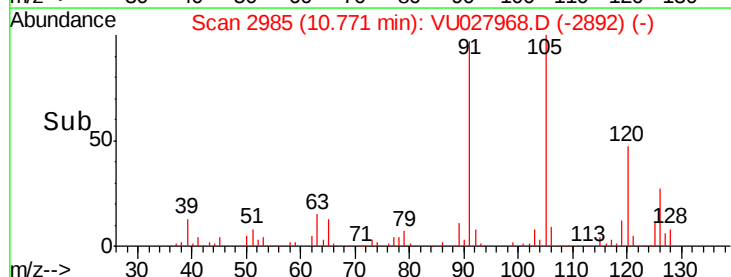
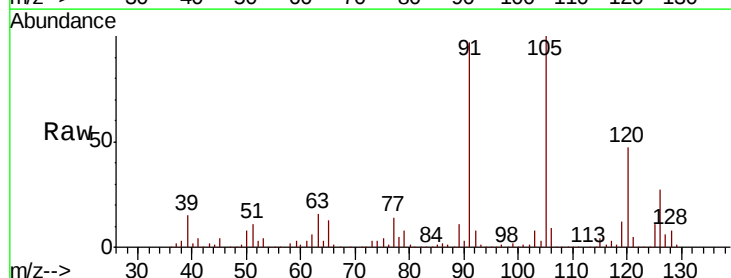
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#82
4-Chlorotoluene
Concen: 47.529 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6





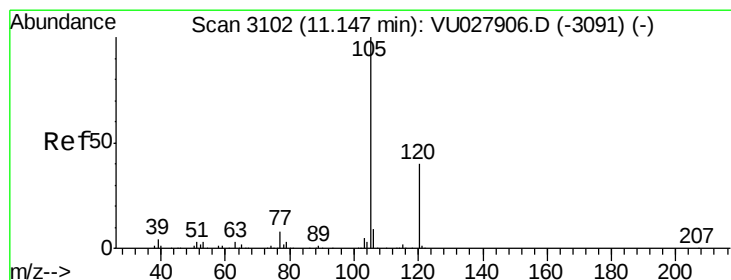
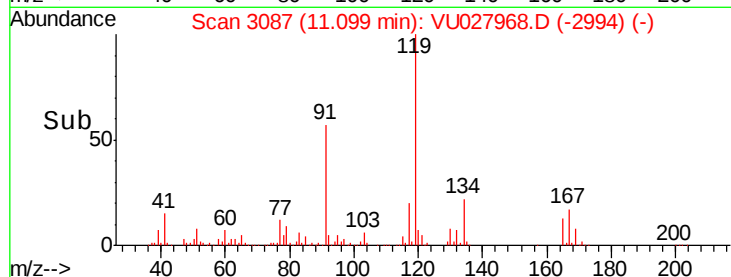
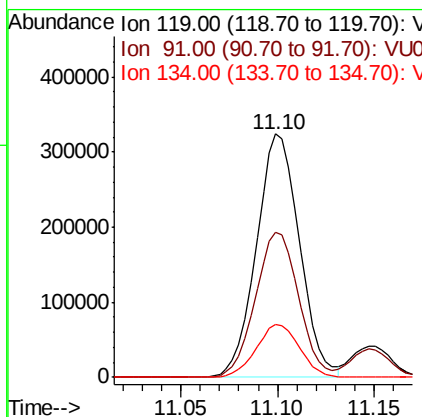
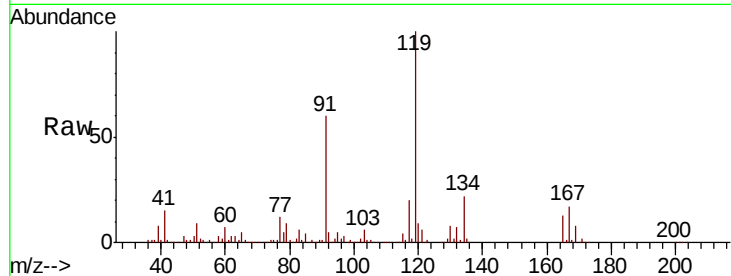
#83
 tert-Butylbenzene
 Concen: 45.873 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	502112		
91	59.6	29.8	89.3	
134	21.8	11.1	33.1	

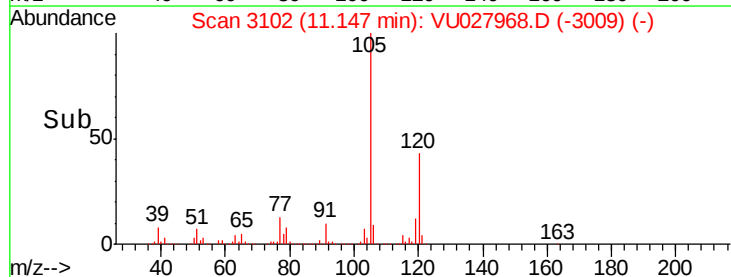
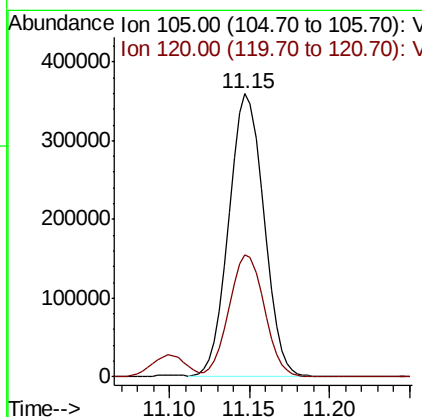
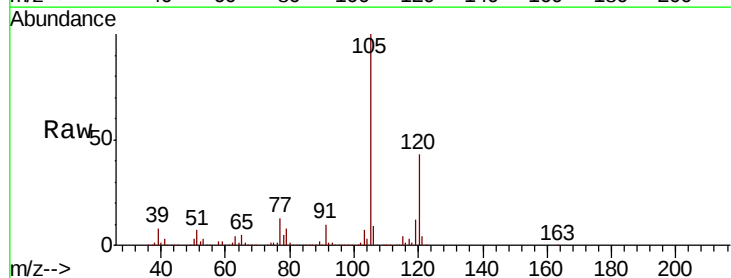
Manual Integrations
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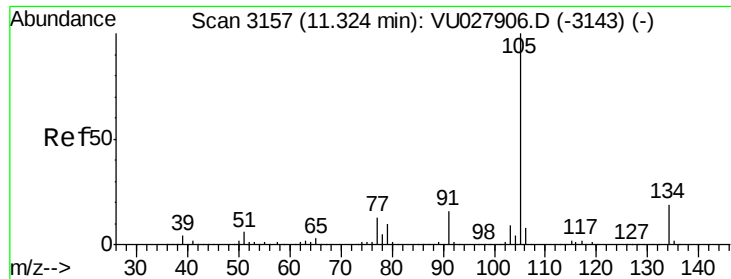
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.684 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536740		
120	43.8	22.1	66.1	





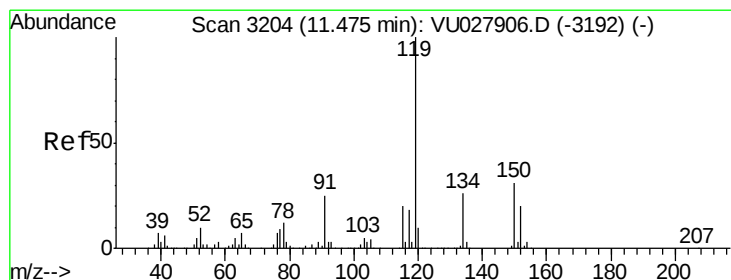
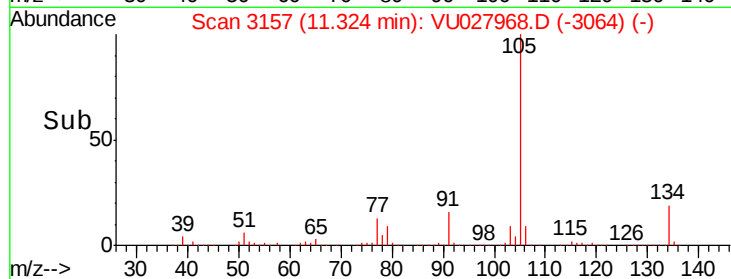
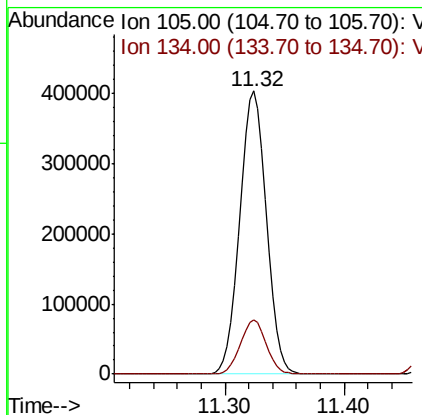
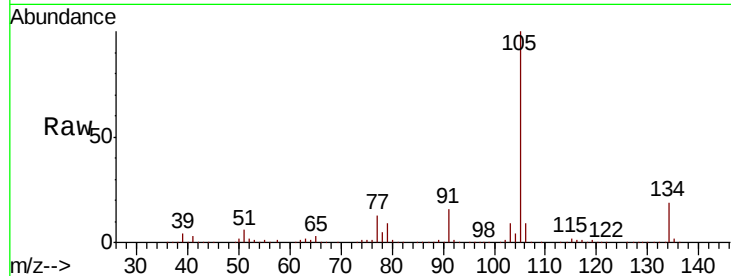
#85
 sec-Butylbenzene
 Concen: 46.850 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.2	27.6

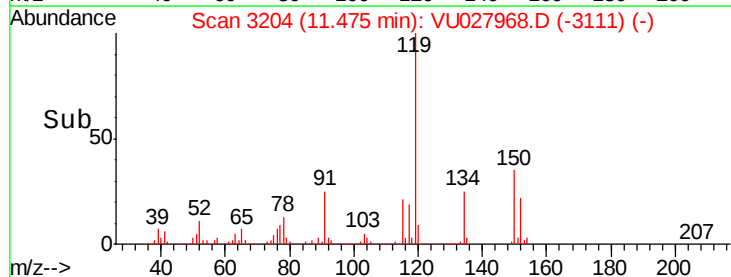
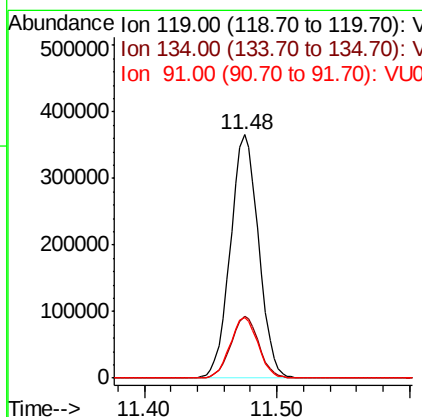
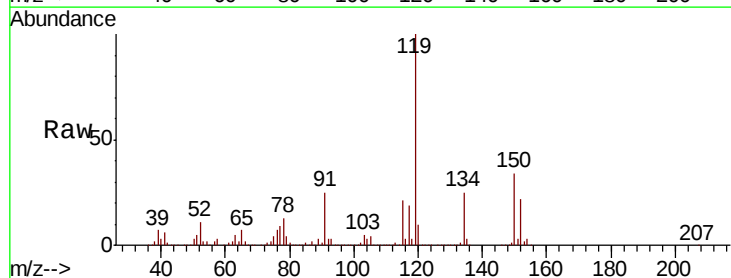
Manual Integrations
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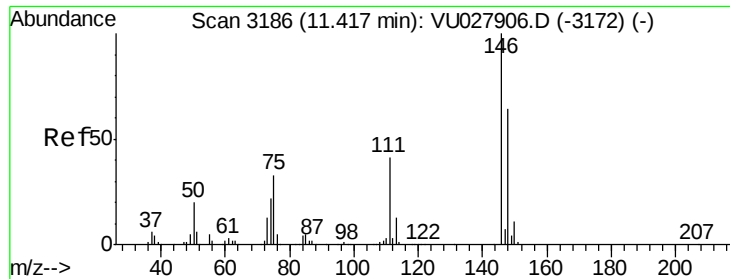
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#86
 p-Isopropyltoluene
 Concen: 48.346 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	24.6	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 49.158 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Instrument :

MSVOA_U

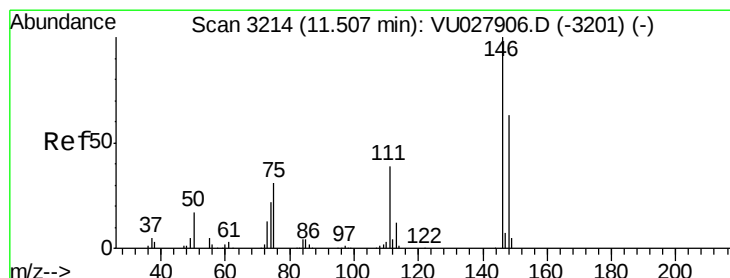
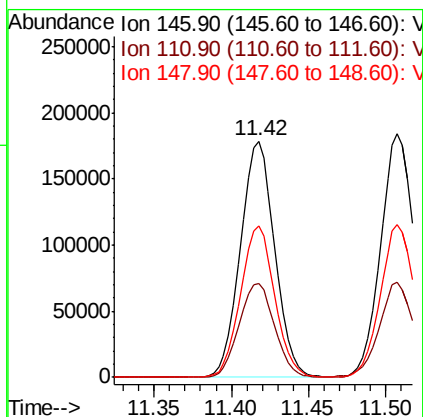
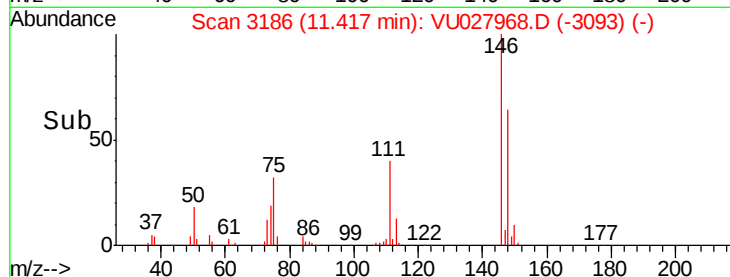
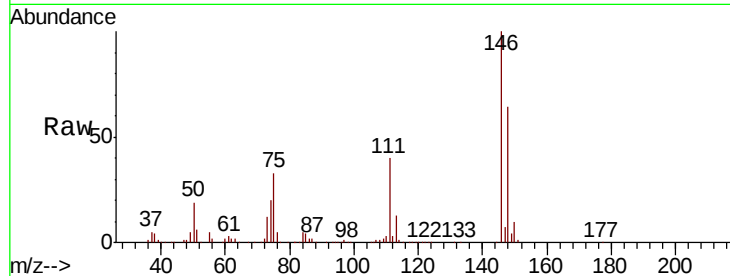
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	275211
Ion Ratio		Lower	Upper
146	100		
111	41.0	20.3	61.0
148	63.9	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 48.825 ug/l

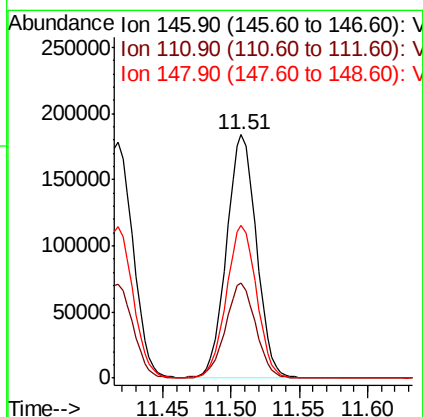
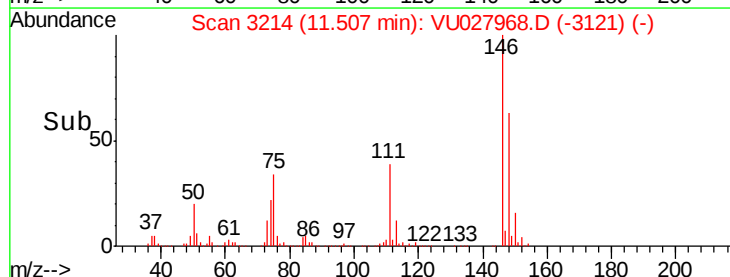
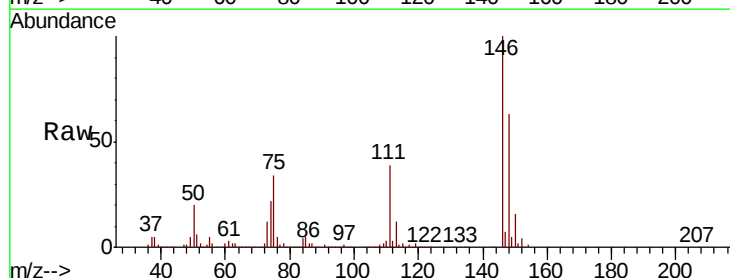
RT: 11.51 min Scan# 3214

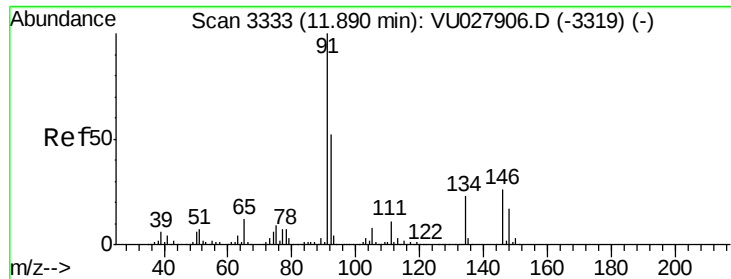
Delta R.T. -0.00 min

Lab File: VU027968.D

Acq: 05 Nov 2018 19:24

Tgt Ion:	146	Resp:	280175
Ion Ratio		Lower	Upper
146	100		
111	39.6	20.3	60.9
148	63.8	32.0	96.2





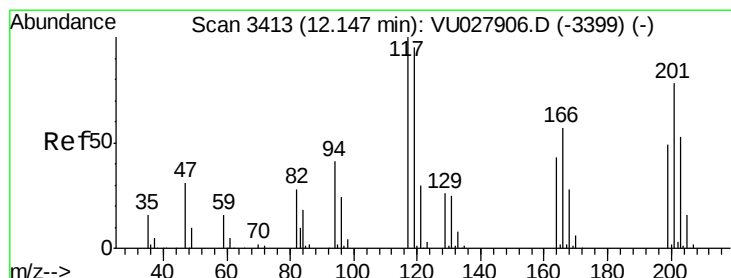
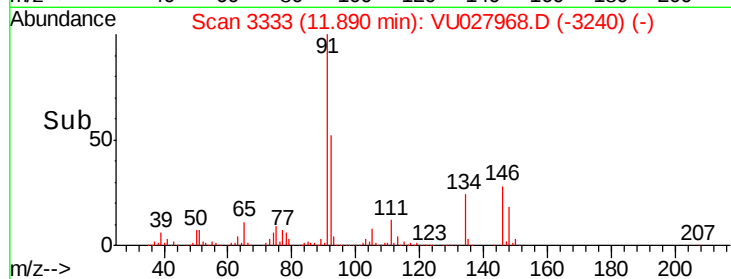
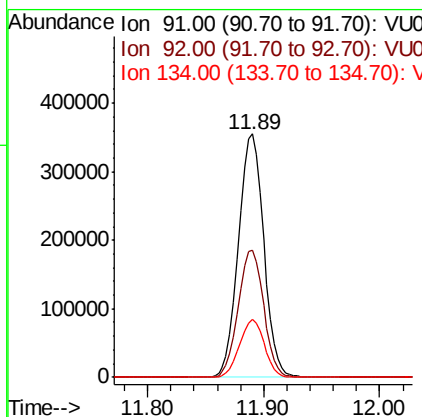
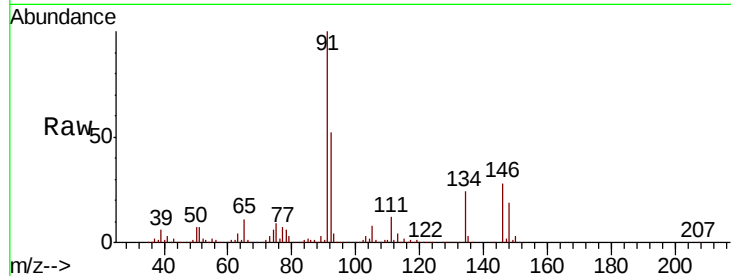
#89
n-Butylbenzene
Concen: 50.562 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	23.5	11.5	34.5

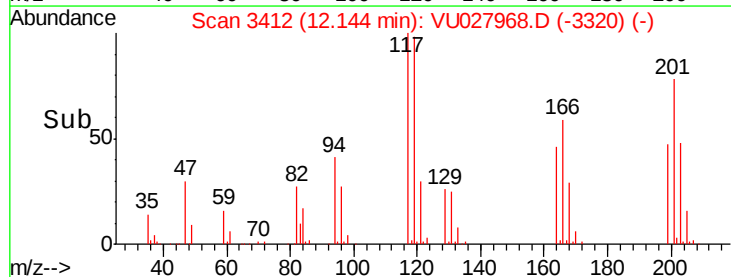
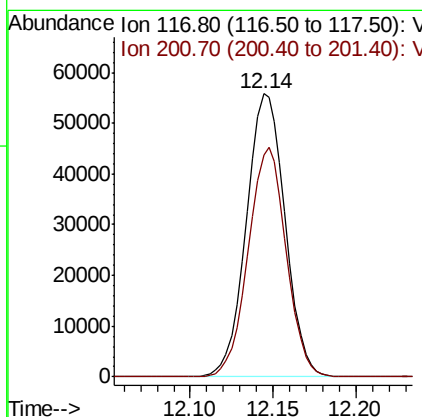
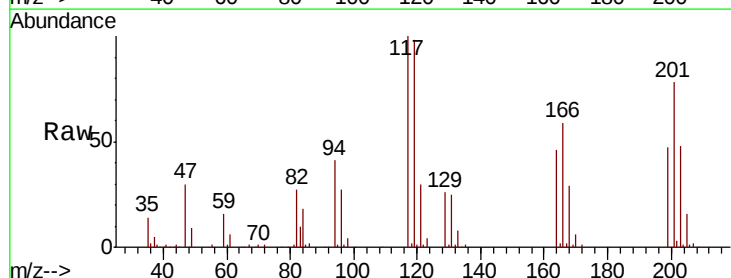
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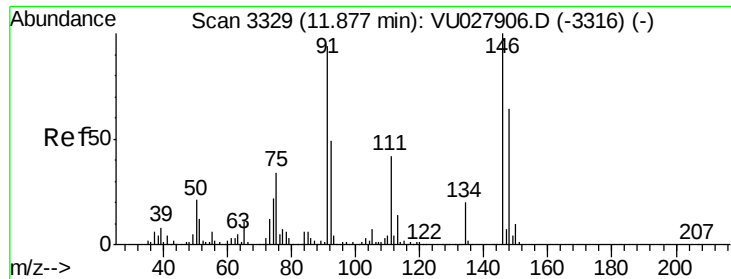
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#90
Hexachloroethane
Concen: 45.806 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	38.5	115.5





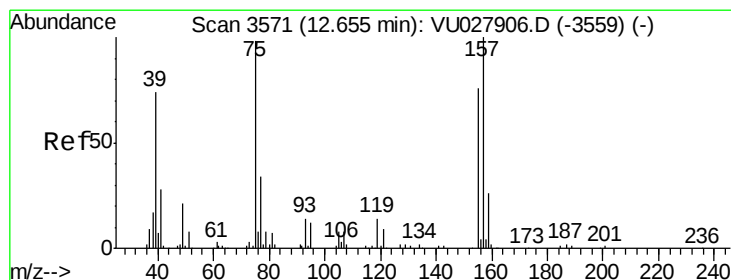
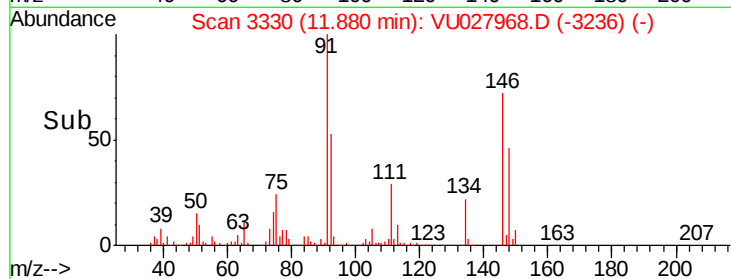
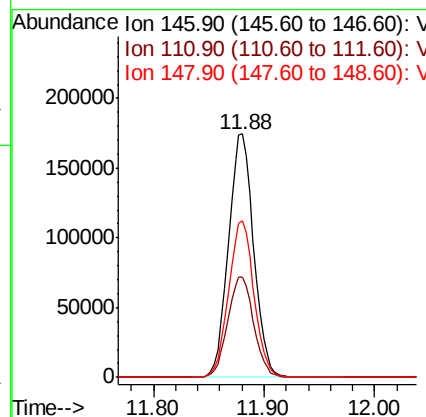
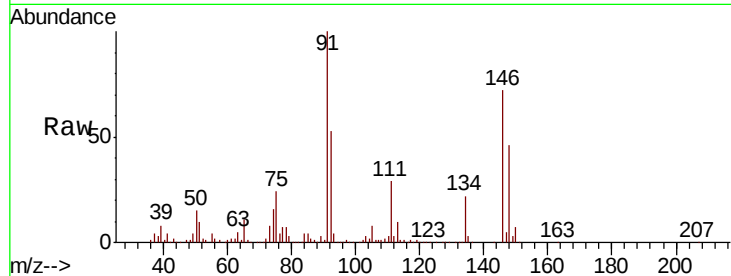
#91
 1,2-Dichlorobenzene
 Concen: 49.018 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.7	31.8	95.3

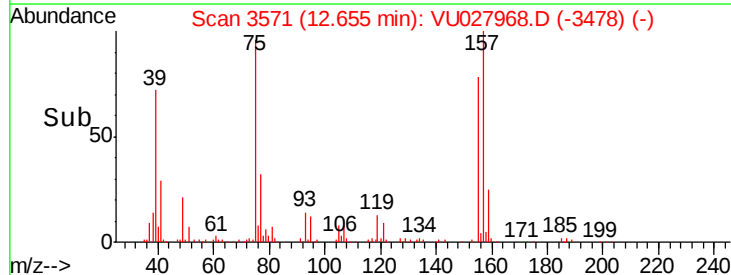
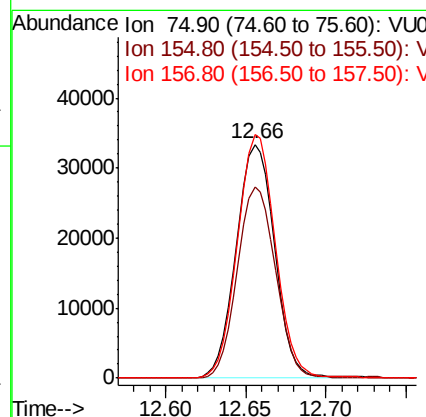
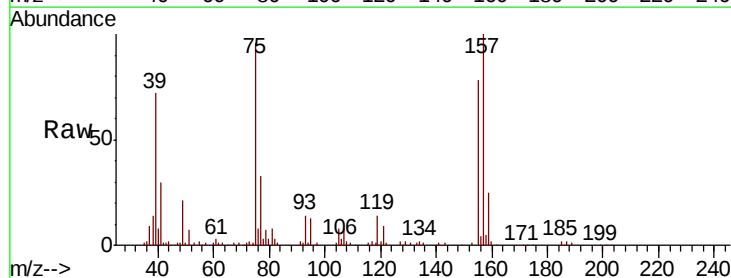
Manual Integrations
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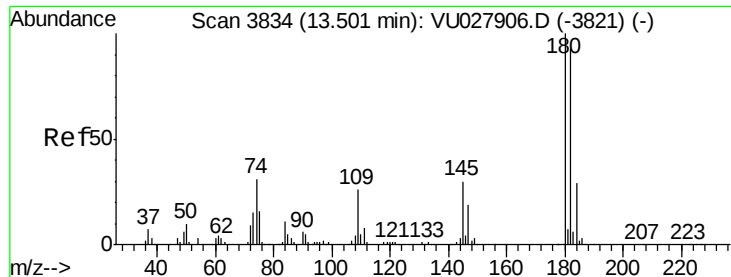
MMDadoda
 11/6/2018 12:07:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.529 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	39.8	119.3
157	103.6	50.6	151.9





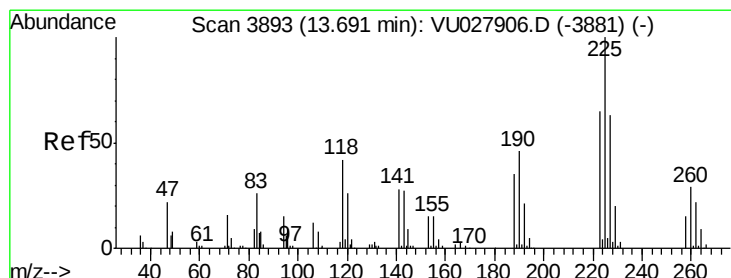
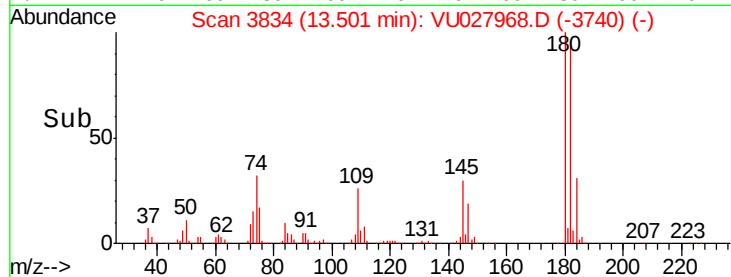
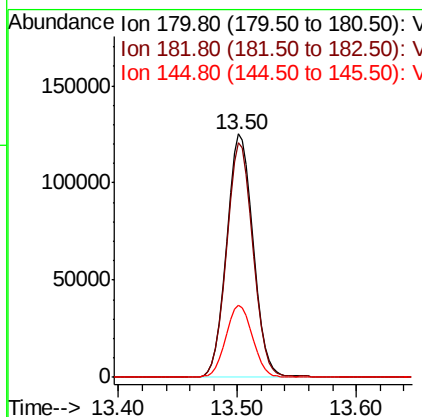
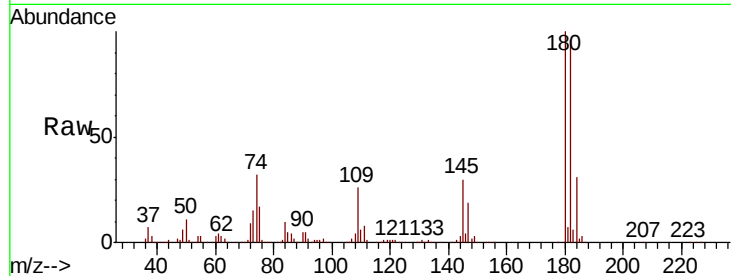
#93
 1,2,4-Trichlorobenzene
 Concen: 49.189 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194175		
182	95.3	48.4	145.2	
145	29.7	14.9	44.5	

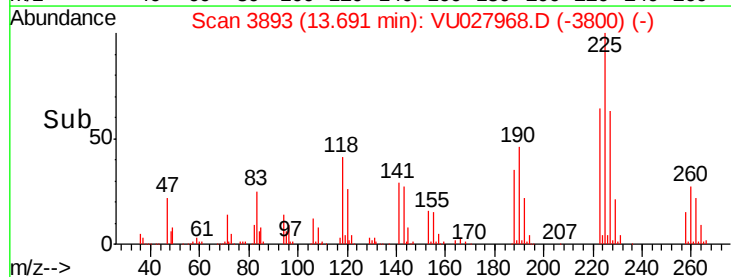
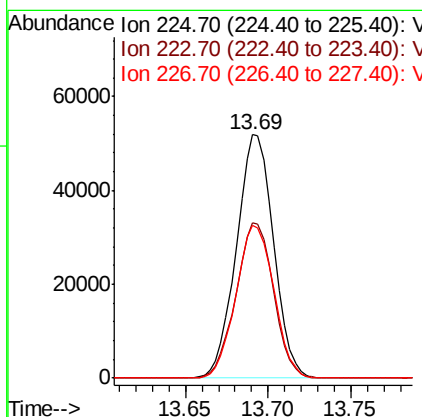
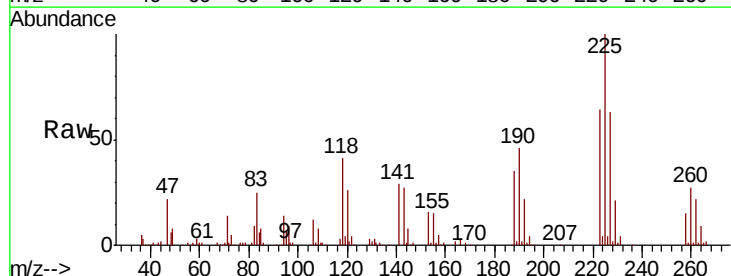
Manual Integrations
 APPROVED

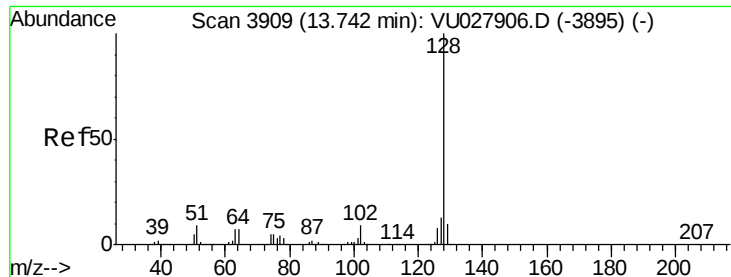
MMDadoda
 11/6/2018 12:07:03 PM



#94
 Hexachlorobutadiene
 Concen: 45.068 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027968.D
 Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80643		
223	64.6	32.2	96.6	
227	64.2	32.5	97.4	





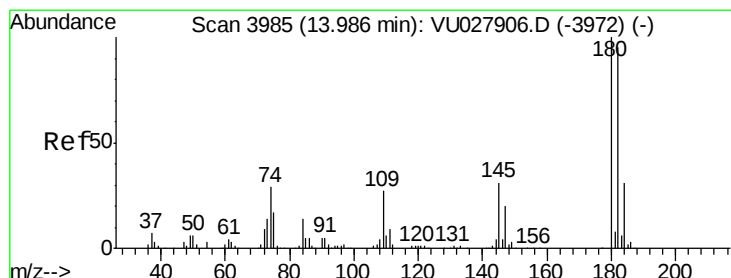
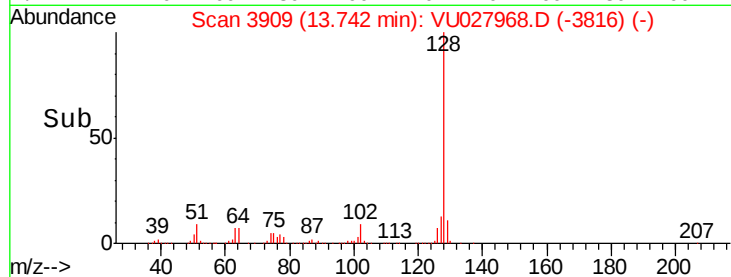
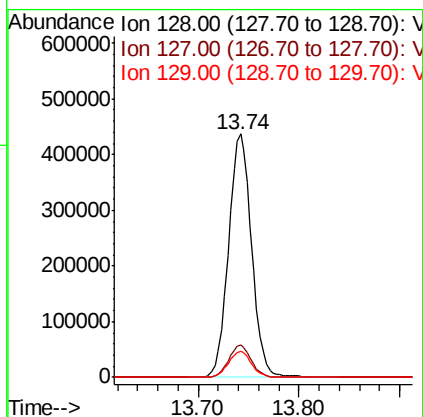
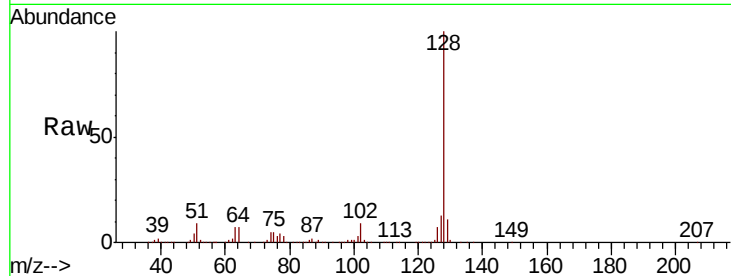
#95
Naphthalene
Concen: 49.866 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/6/2018 12:07:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.310 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027968.D
Acq: 05 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	31.4	16.0	47.9

