

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028454.D
 Acq On : 03 Dec 2018 20:11
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 06:59:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	281281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	514363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	491011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	245831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	232327	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	4.88	113	167472	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	7.57	98	672098	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	10.30	95	255988	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	176768	46.847	ug/l	99
3) Chloromethane	1.33	50	316882	43.326	ug/l	98
4) Vinyl Chloride	1.40	62	243884	47.659	ug/l	100
5) Bromomethane	1.62	94	91421	46.191	ug/l	96
6) Chloroethane	1.69	64	144105	48.939	ug/l	98
7) Trichlorofluoromethane	1.88	101	256392	48.235	ug/l	100
8) Diethyl Ether	2.10	74	121556	49.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	156247	50.460	ug/l	97
10) Methyl Iodide	2.41	142	108693	37.224	ug/l	97
11) Tert butyl alcohol	2.82	59	255572	239.308	ug/l	98
12) 1,1-Dichloroethene	2.28	96	154345	51.364	ug/l	90
13) Acrolein	2.19	56	200242	210.906	ug/l	99
14) Allyl chloride	2.59	41	347283	44.234	ug/l	99
15) Acrylonitrile	2.94	53	708899	250.940	ug/l	100
16) Acetone	2.32	43	601137	209.043	ug/l	98
17) Carbon Disulfide	2.48	76	516475	44.779	ug/l	99
18) Methyl Acetate	2.61	43	393418	49.137	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	610391	49.547	ug/l	98
20) Methylene Chloride	2.70	84	198801	49.012	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	170811	49.014	ug/l	96
22) Diisopropyl ether	3.57	45	741530	47.974	ug/l	99
23) Vinyl Acetate	3.52	43	3094305	240.839	ug/l	99
24) 1,1-Dichloroethane	3.45	63	374951	49.201	ug/l	99
25) 2-Butanone	4.26	43	980846	237.995	ug/l	98
26) 2,2-Dichloropropane	4.23	77	280986	46.426	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	203612	49.403	ug/l	95
28) Bromochloromethane	4.55	49	180530	47.376	ug/l	95
29) Tetrahydrofuran	4.64	42	657799	245.832	ug/l	97
30) Chloroform	4.67	83	337495	47.979	ug/l	98
31) Cyclohexane	5.00	56	363101	46.386	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	273961	48.537	ug/l	99
36) 1,1-Dichloropropene	5.13	75	262633	46.660	ug/l	99
37) Ethyl Acetate	4.38	43	369131	48.124	ug/l	99
38) Carbon Tetrachloride	5.13	117	214162	46.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	314467	47.387	ug/l	98
40) Benzene	5.39	78	797995	47.868	ug/l	99
41) Methacrylonitrile	4.54	41	208842	49.027	ug/l	97
42) 1,2-Dichloroethane	5.40	62	281863	46.934	ug/l	99
43) Isopropyl Acetate	5.55	43	585442	48.164	ug/l	98
44) Trichloroethene	6.19	130	175266	49.048	ug/l	99
45) 1,2-Dichloropropane	6.43	63	228465	46.799	ug/l	98
46) Dibromomethane	6.56	93	136266	48.595	ug/l	98
47) Bromodichloromethane	6.76	83	261464	46.878	ug/l	99
48) Methyl methacrylate	6.62	41	296133	46.770	ug/l	98
49) 1,4-Dioxane	6.61	88	93995	929.275	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1859117	239.476	ug/l	98
52) Toluene	7.64	92	467256	48.674	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	318281	47.722	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	336943	47.157	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	191330	47.889	ug/l	99
56) Ethyl methacrylate	8.02	69	335483	49.359	ug/l	98
57) 1,3-Dichloropropane	8.24	76	350969	47.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	886032	242.806	ug/l	98
59) 2-Hexanone	8.36	43	1433939	238.456	ug/l	98
60) Dibromochloromethane	8.48	129	183649	48.332	ug/l	99
61) 1,2-Dibromoethane	8.58	107	202640	49.522	ug/l	96
64) Tetrachloroethene	8.23	164	150099	46.473	ug/l	96
65) Chlorobenzene	9.12	112	495489	48.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	164065	46.946	ug/l	99
67) Ethyl Benzene	9.25	91	916525	47.730	ug/l	98
68) m/p-Xylenes	9.37	106	672483	97.298	ug/l	98
69) o-Xylene	9.78	106	329440	47.948	ug/l	97
70) Styrene	9.79	104	540593	48.785	ug/l	100
71) Bromoform	9.96	173	135385	46.090	ug/l #	97
73) Isopropylbenzene	10.16	105	878555	45.950	ug/l	100
74) N-amyl acetate	10.01	43	518494	43.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	348852	44.369	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	418660	61.413	ug/l	78
77) Bromobenzene	10.45	156	205499	45.614	ug/l	94
78) n-propylbenzene	10.58	91	1089560	46.194	ug/l	99
79) 2-Chlorotoluene	10.66	91	628170	45.178	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	740787	45.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	418660	163.021	ug/l #	100
82) 4-Chlorotoluene	10.77	91	732517	45.725	ug/l	99
83) tert-Butylbenzene	11.10	119	695996	46.339	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	750857	46.010	ug/l	98
85) sec-Butylbenzene	11.32	105	907805	46.535	ug/l	100
86) p-Isopropyltoluene	11.48	119	760590	47.417	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	380713	46.333	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	386258	46.709	ug/l	99
89) n-Butylbenzene	11.89	91	782515	49.429	ug/l	99
90) Hexachloroethane	12.14	117	113140	45.179	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	378681	46.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75901	43.400	ug/l	94

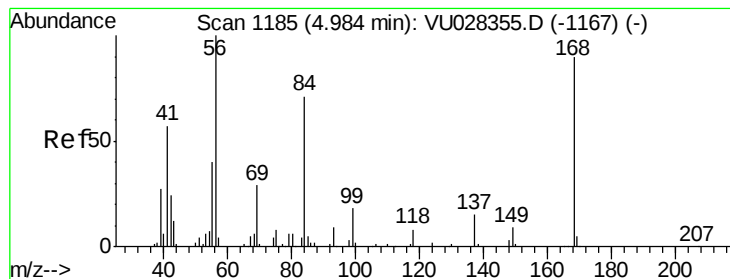
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	273078	50.889	ug/l	98
94) Hexachlorobutadiene	13.69	225	120803	47.675	ug/l	97
95) Naphthalene	13.74	128	951276	46.206	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	271880	50.095	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

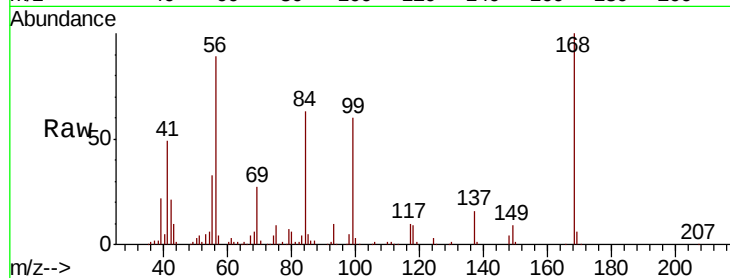
VSTDCCC050EC

Tot Ion:168 Resp: 281281

Ion Ratio Lower Upper

168 100

99 59.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

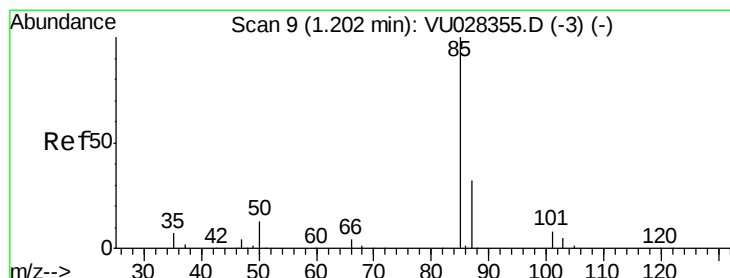
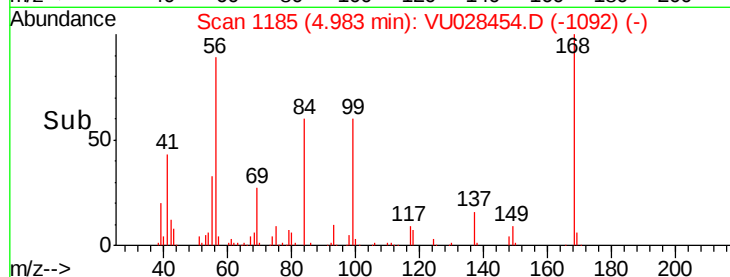
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.847 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028454.D

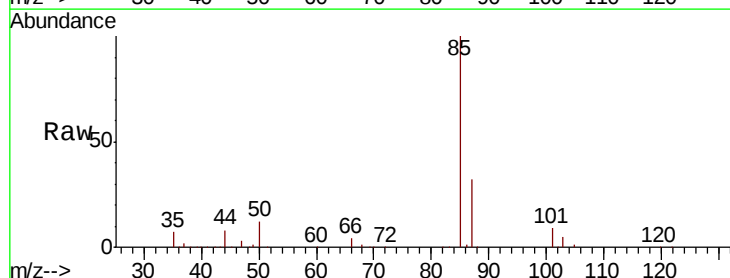
Acq: 03 Dec 2018 20:11

Tgt Ion: 85 Resp: 176768

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

200000

150000

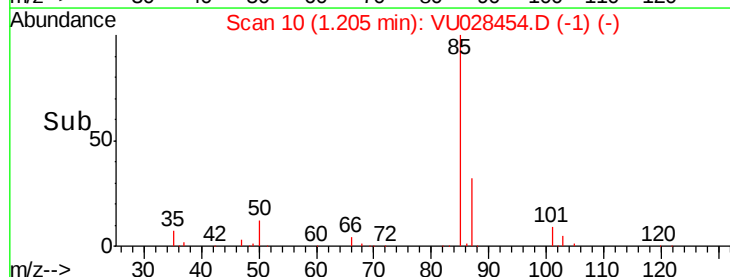
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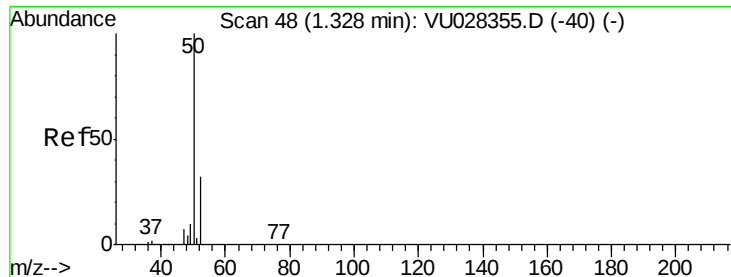
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.326 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

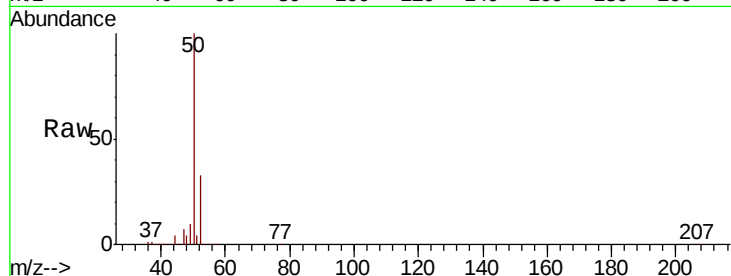
VSTDCCC050EC

Tot Ion: 50 Resp: 316882

Ion Ratio Lower Upper

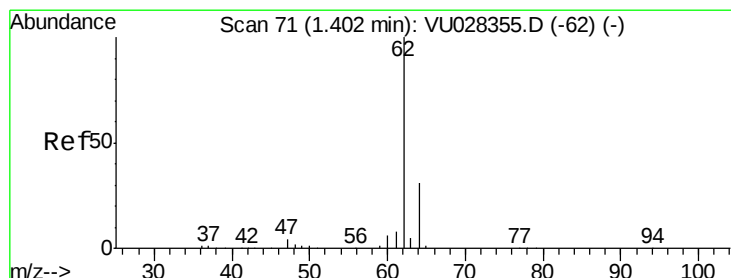
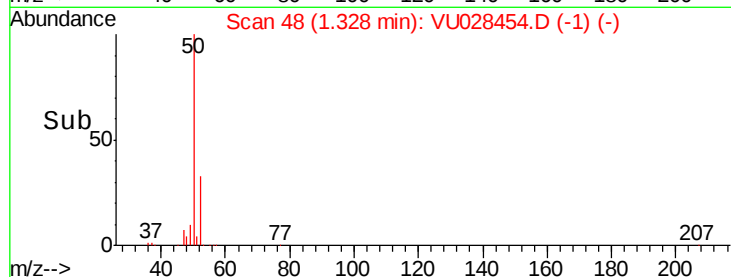
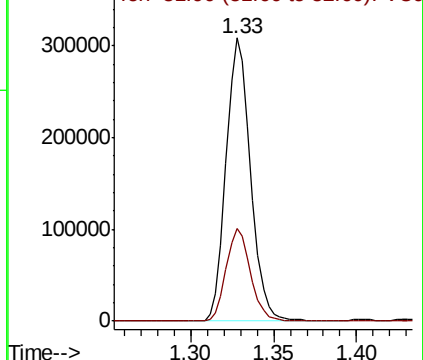
50 100

52 32.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.659 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028454.D

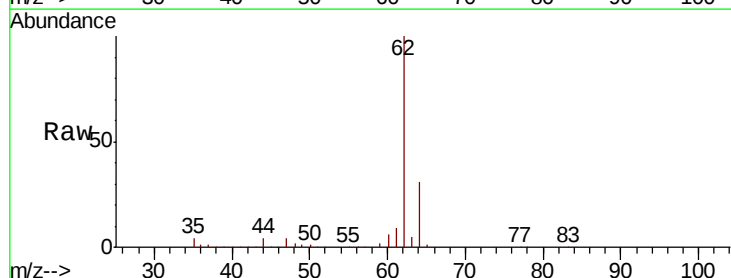
Acq: 03 Dec 2018 20:11

Tgt Ion: 62 Resp: 243884

Ion Ratio Lower Upper

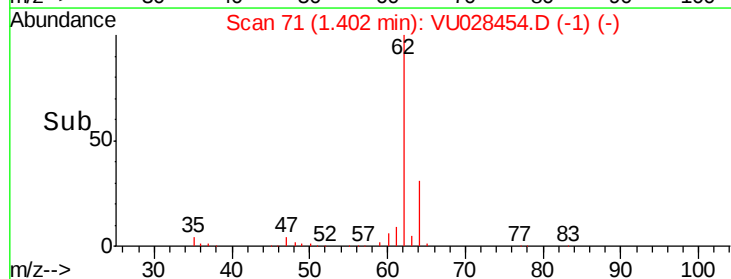
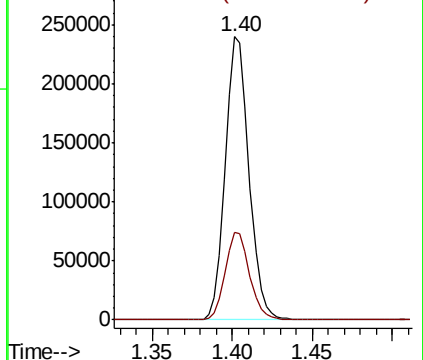
62 100

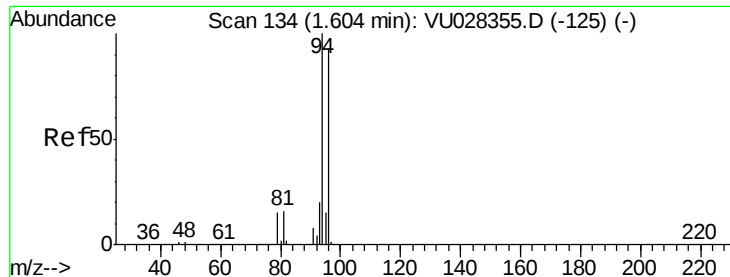
64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 46.191 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

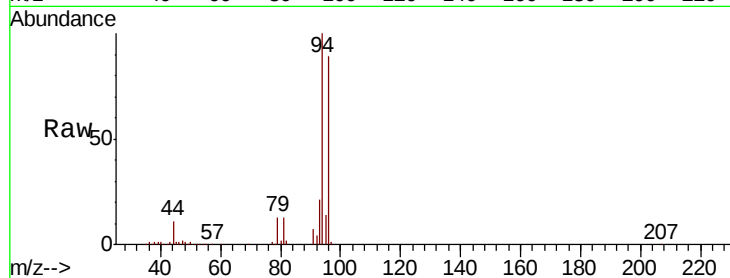
VSTDCCC050EC

Tot Ion: 94 Resp: 91421

Ion Ratio Lower Upper

94 100

96 89.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

80000

60000

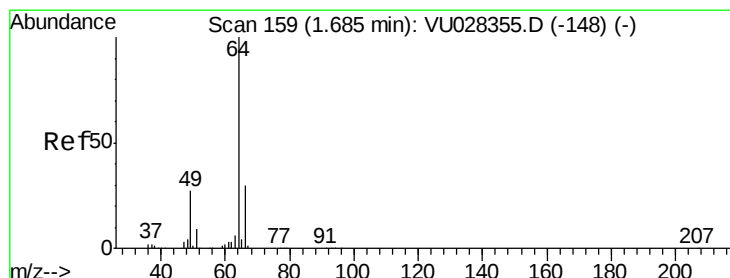
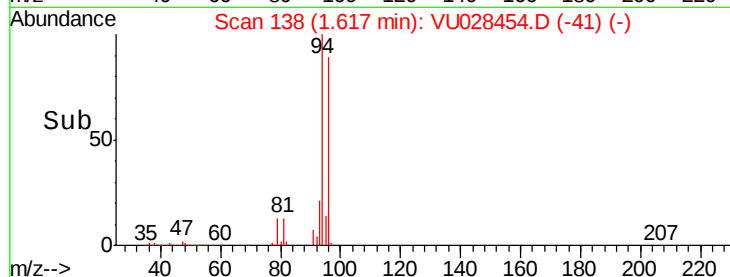
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 48.939 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028454.D

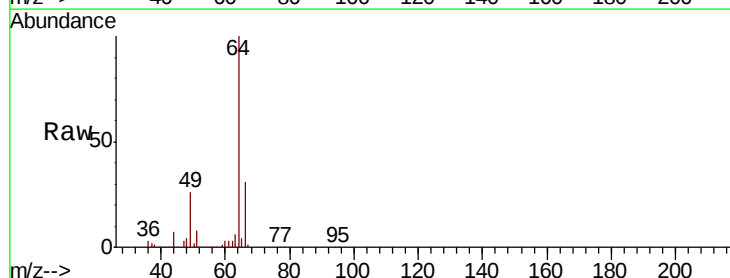
Acq: 03 Dec 2018 20:11

Tgt Ion: 64 Resp: 144105

Ion Ratio Lower Upper

64 100

66 30.8 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

120000

100000

80000

60000

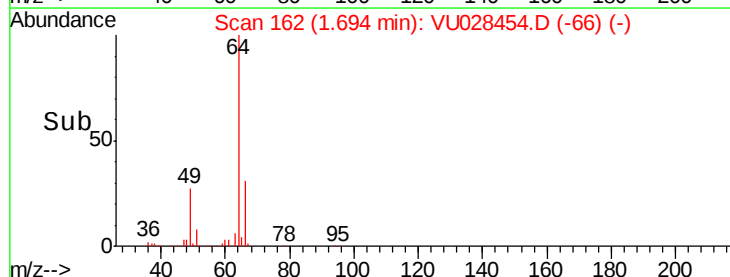
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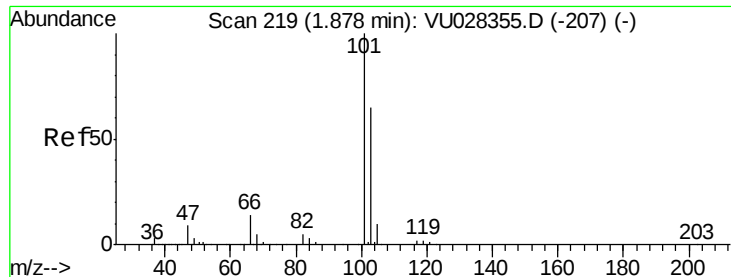
20000

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Time-->

1.65 1.70 1.75 1.80



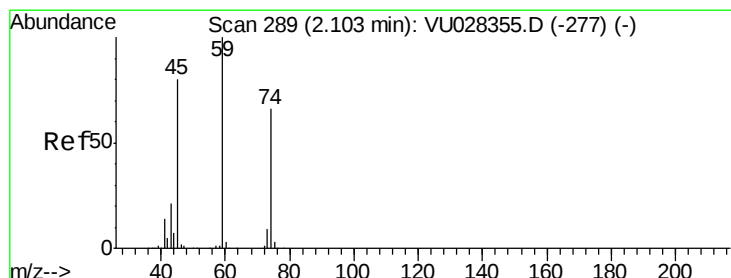
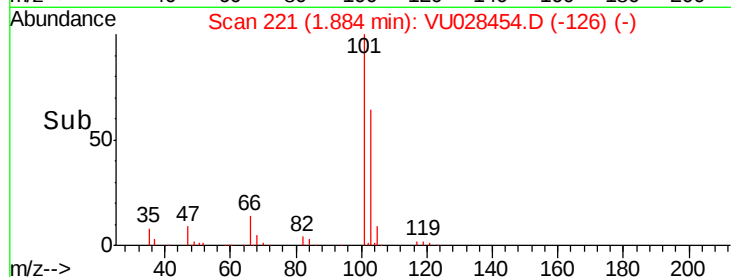
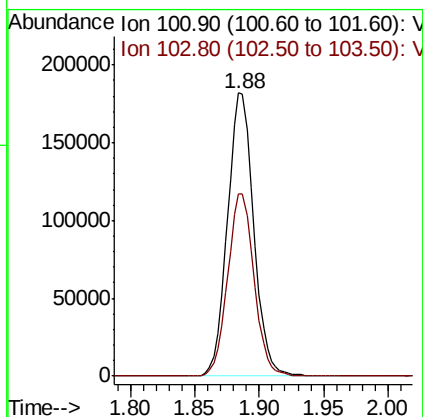
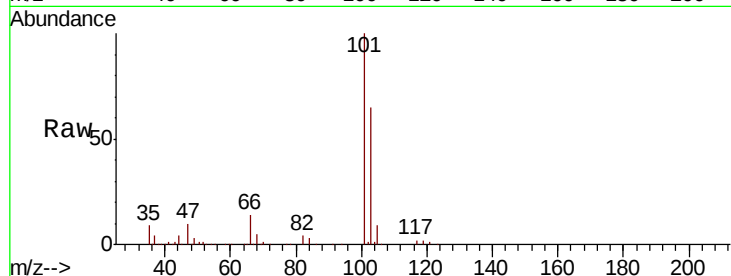


#7

Trichlorofluoromethane
 Concen: 48.235 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
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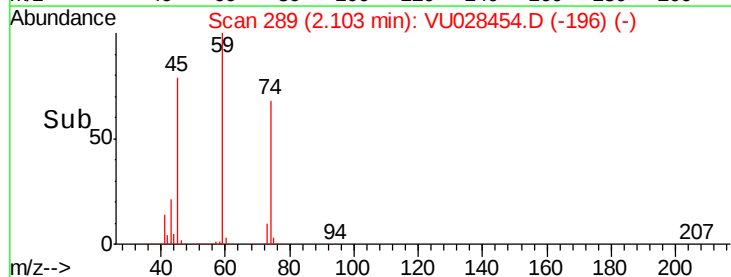
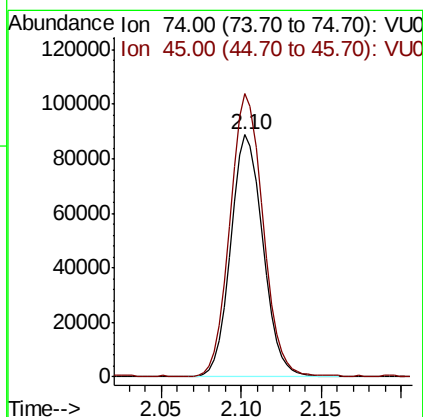
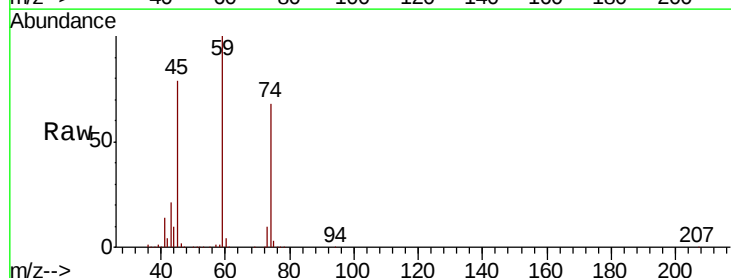
Tot Ion:101 Resp: 256392
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

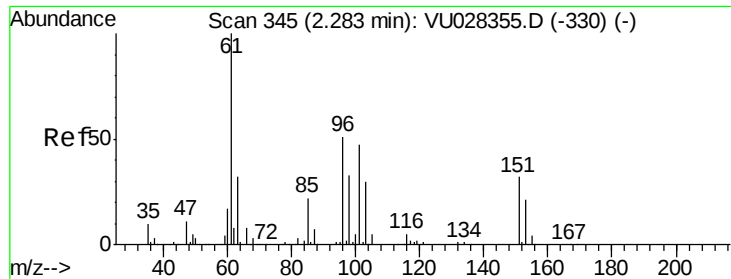


#8

Diethyl Ether
 Concen: 49.194 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion: 74 Resp: 121556
 Ion Ratio Lower Upper
 74 100
 45 119.2 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.460 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

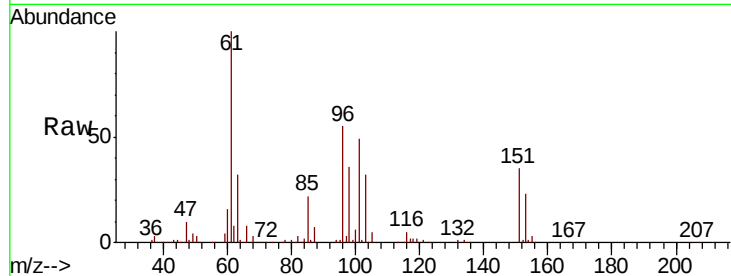
Tot Ion:101 Resp: 156247

Ion Ratio Lower Upper

101 100

85 45.0 37.2 55.8

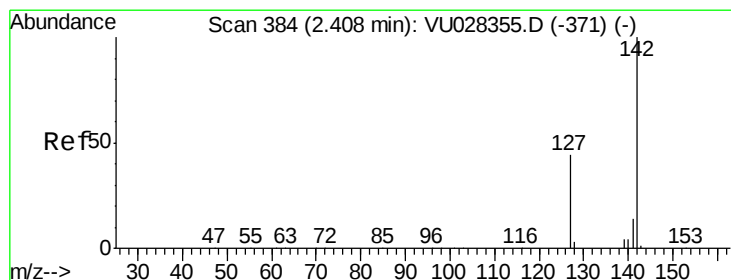
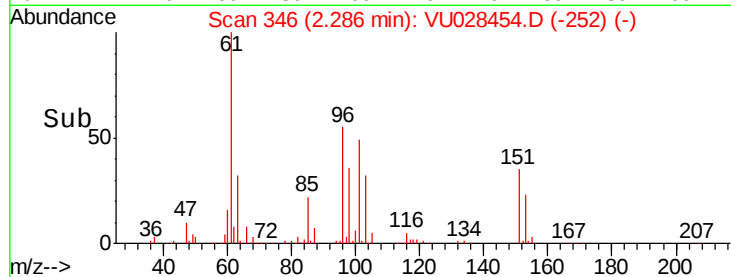
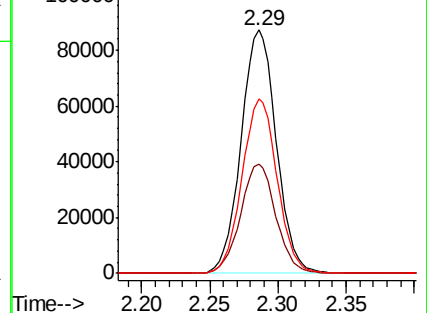
151 71.5 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.224 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

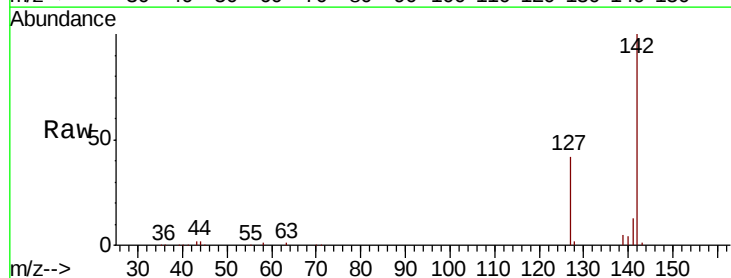
Tgt Ion:142 Resp: 108693

Ion Ratio Lower Upper

142 100

127 41.6 35.0 52.6

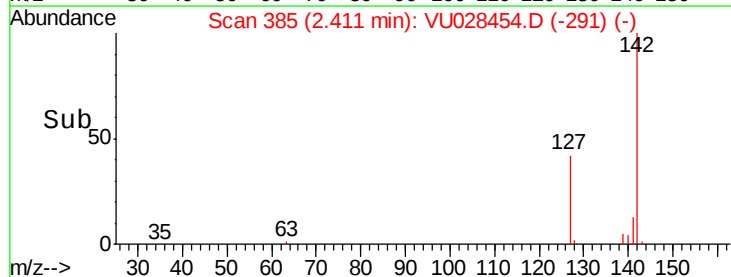
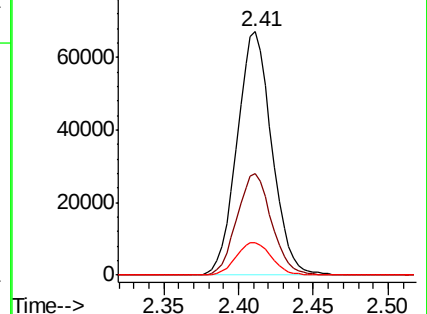
141 13.7 11.2 16.8

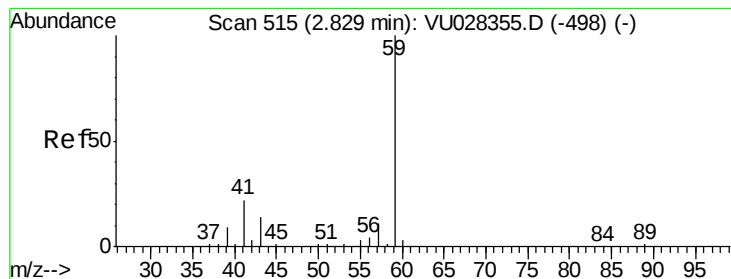


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



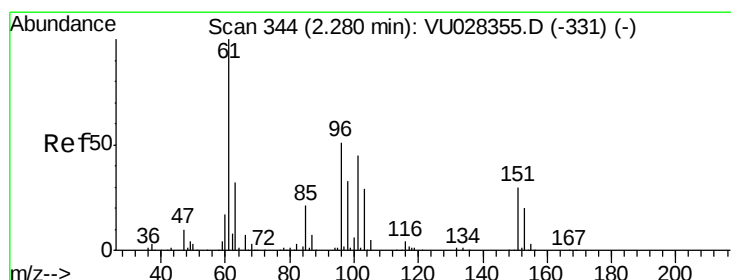
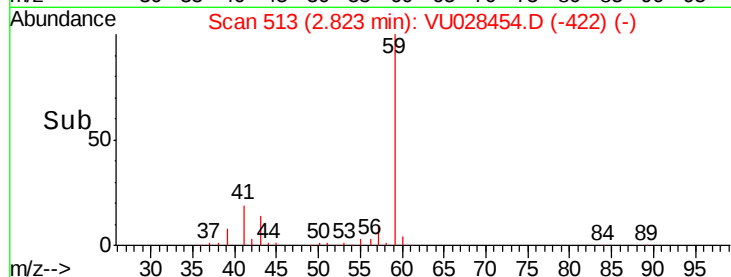
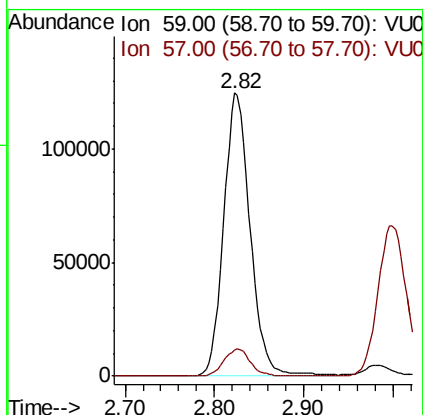
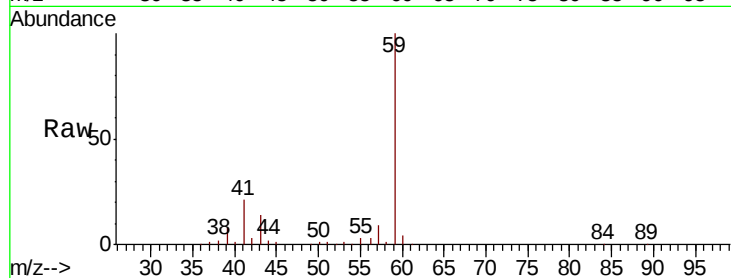


#11

Tert butyl alcohol
Concen: 239.308 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

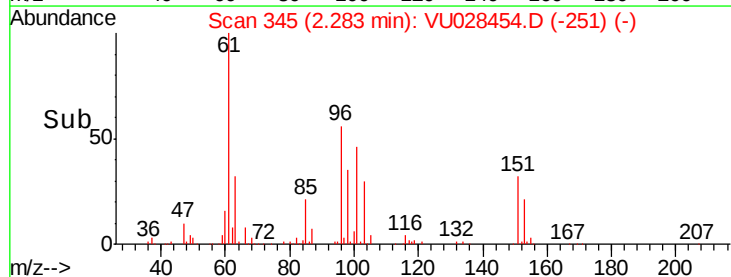
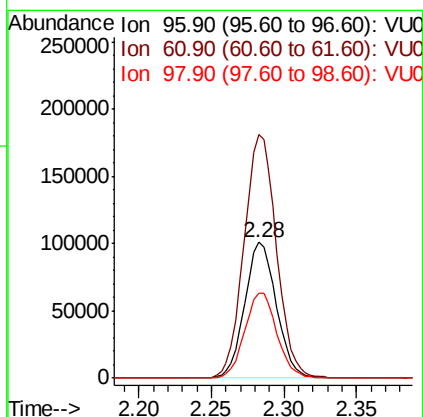
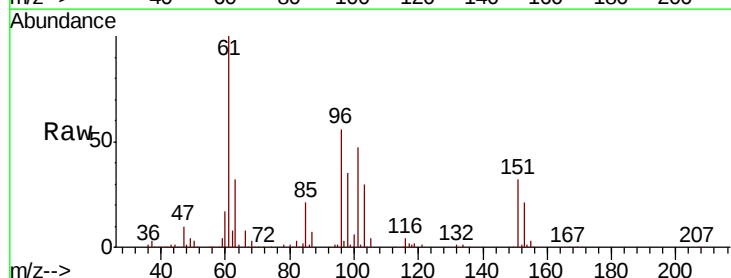
Tot Ion: 59 Resp: 255572
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

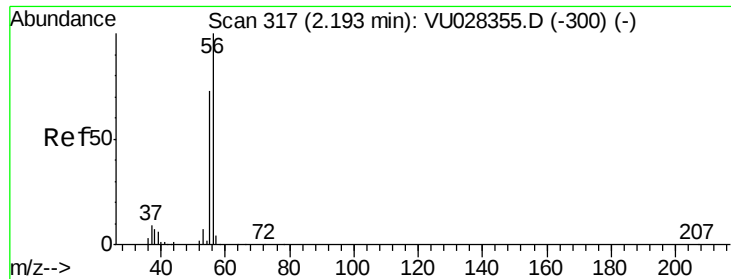


#12

1,1-Dichloroethene
Concen: 51.364 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 96 Resp: 154345
Ion Ratio Lower Upper
96 100
61 179.3 158.1 237.1
98 63.0 51.4 77.2





#13

Acrolein

Concen: 210.906 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

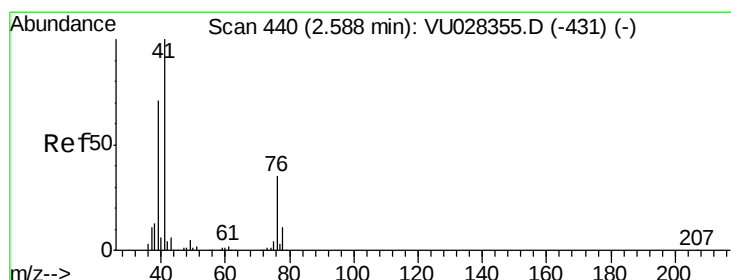
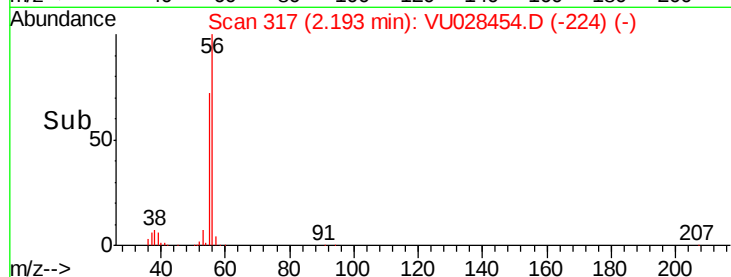
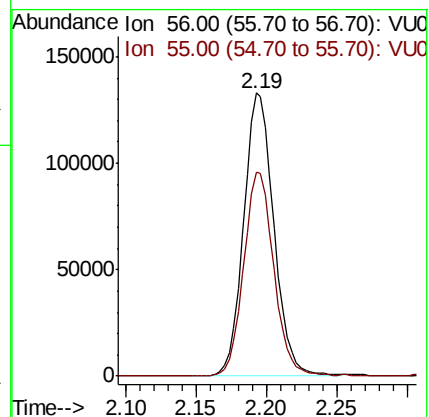
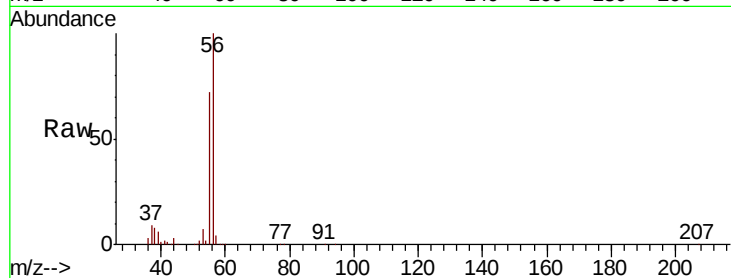
VSTDCCC050EC

Tot Ion: 56 Resp: 200242

Ion Ratio Lower Upper

56 100

55 71.9 56.6 85.0



#14

Allyl chloride

Concen: 44.234 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

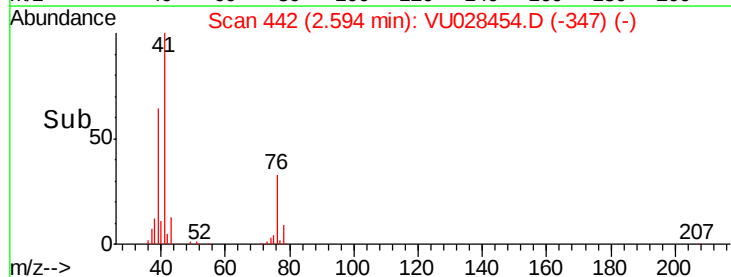
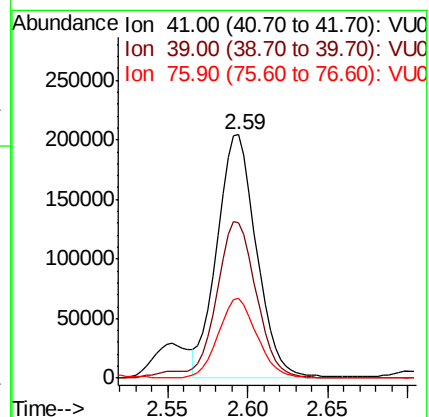
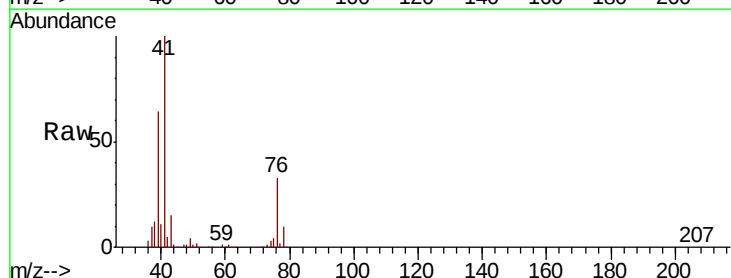
Tgt Ion: 41 Resp: 347283

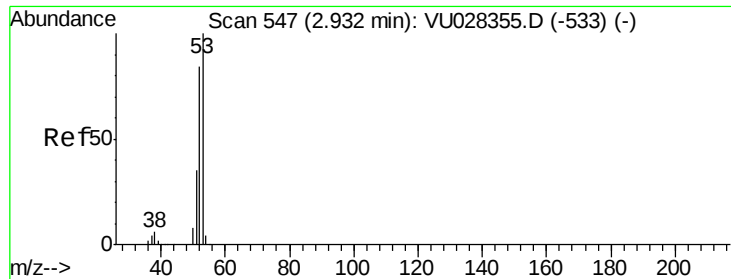
Ion Ratio Lower Upper

41 100

39 64.1 51.6 77.4

76 31.9 24.4 36.6



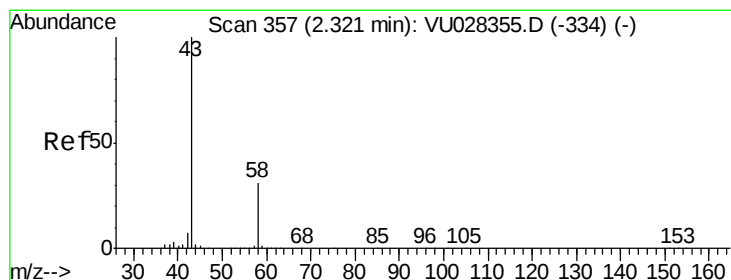
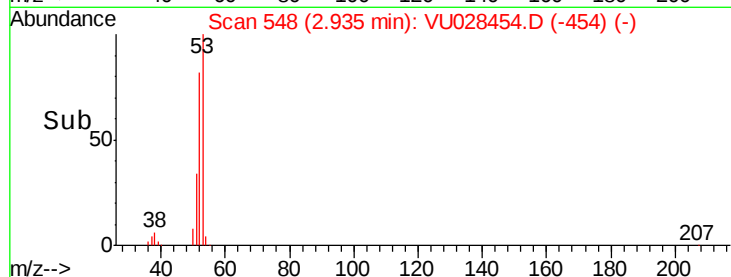
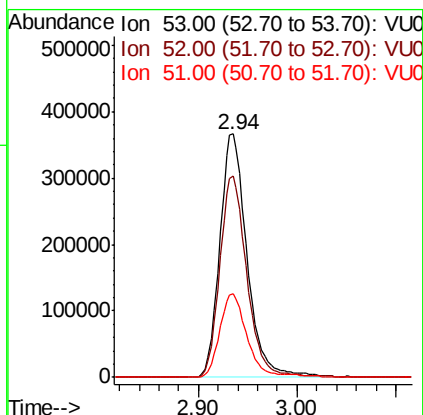
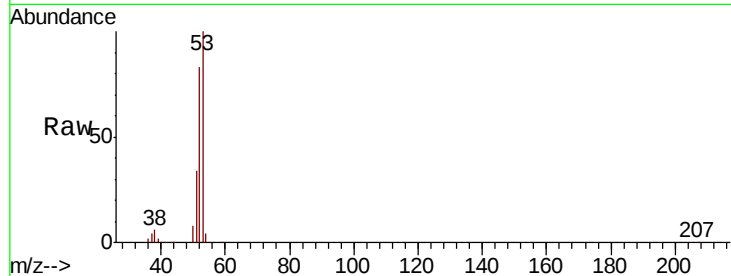


#15
 Acrylonitrile
 Concen: 250.940 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 53 Resp: 708899

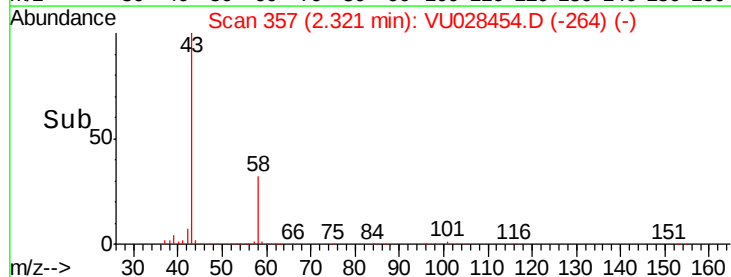
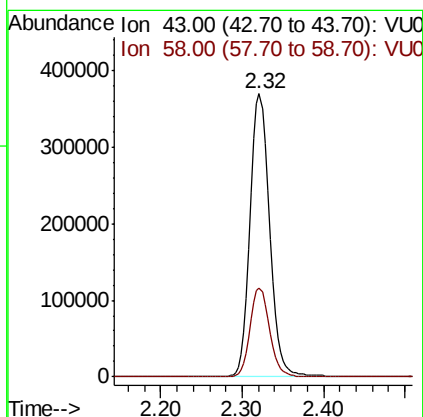
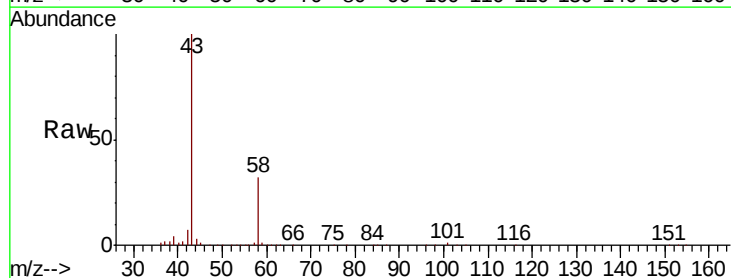
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	34.8	27.8	41.6

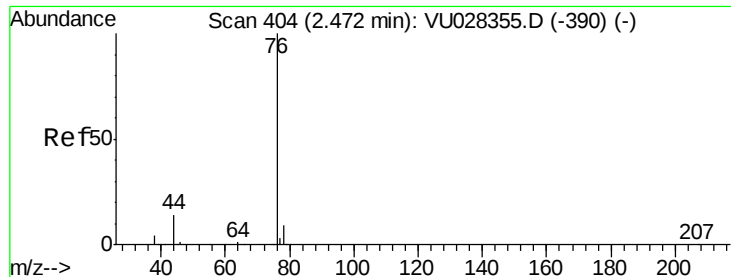


#16
 Acetone
 Concen: 209.043 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion: 43 Resp: 601137

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.4	36.6

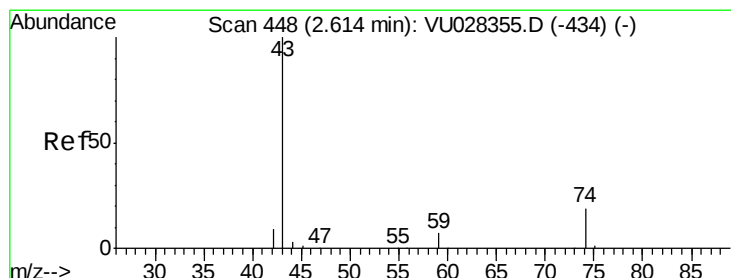
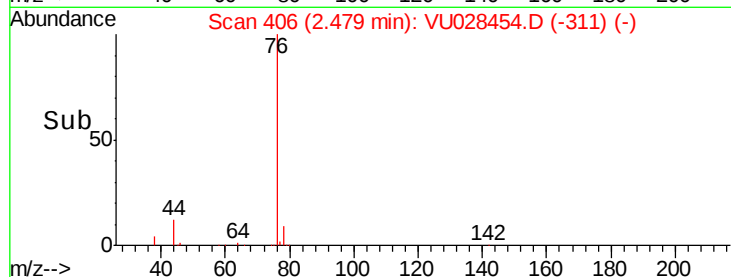
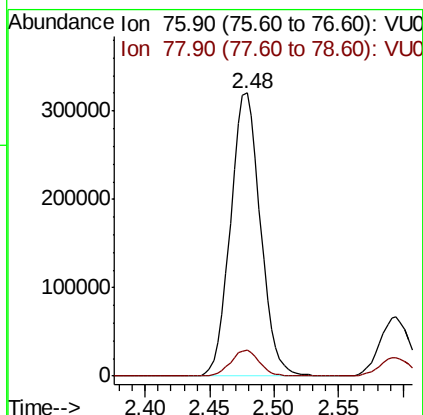
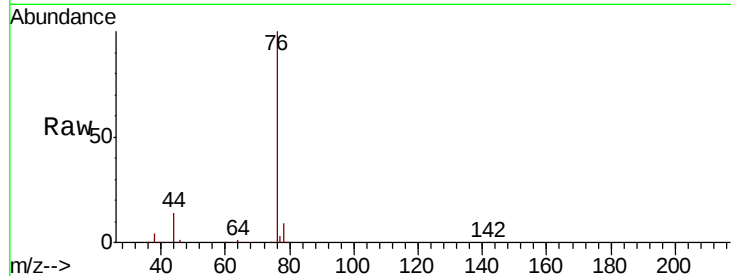




#17
Carbon Disulfide
Concen: 44.779 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

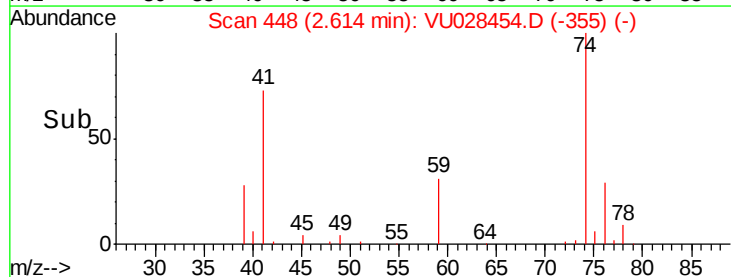
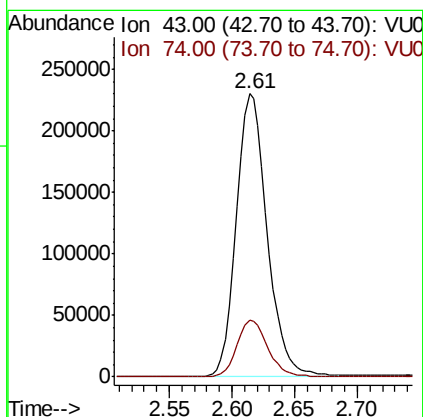
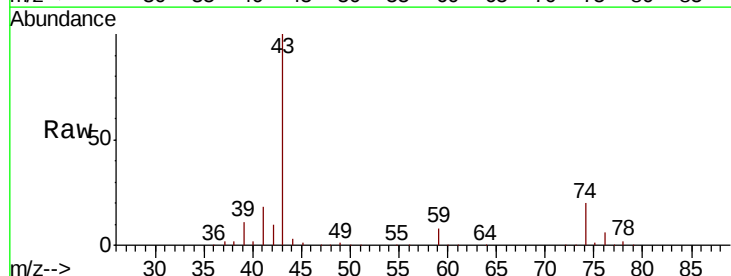
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

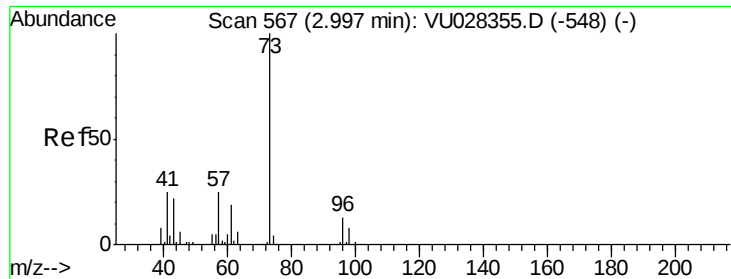
Tot Ion: 76 Resp: 516475
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 49.137 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 43 Resp: 393418
Ion Ratio Lower Upper
43 100
74 20.3 15.3 22.9

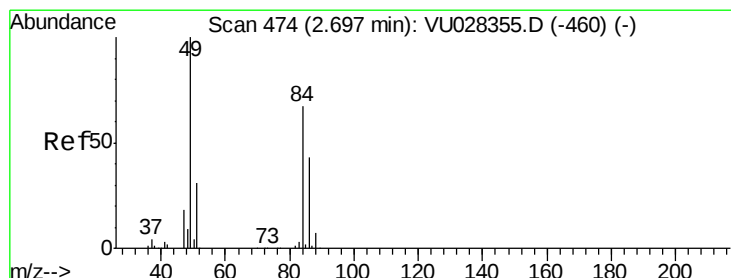
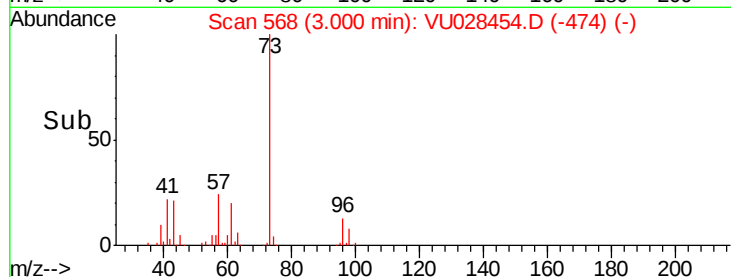
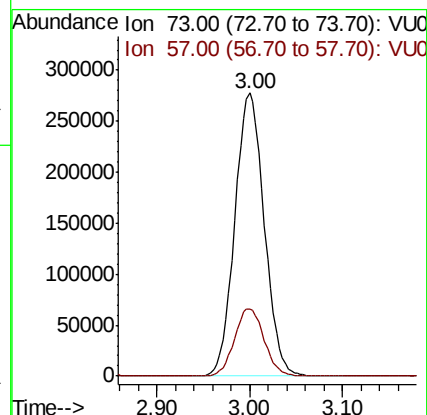
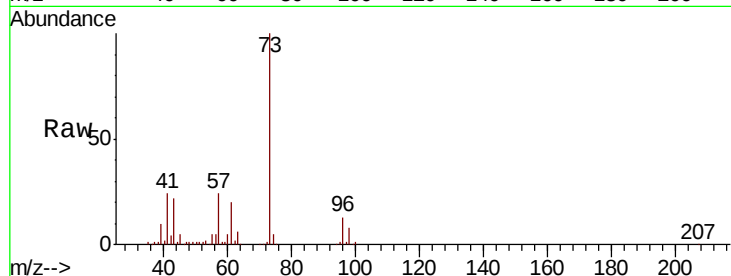




#19
Methvl tert-butvl Ether
Concen: 49.547 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

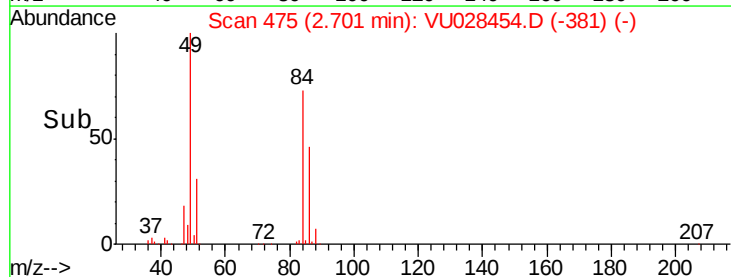
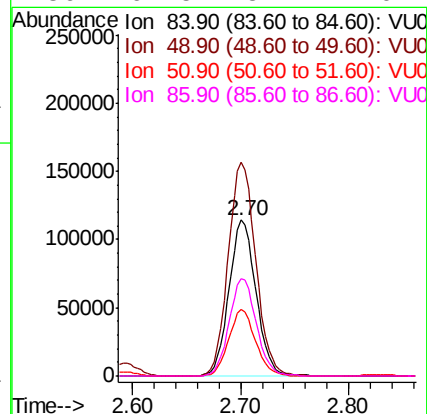
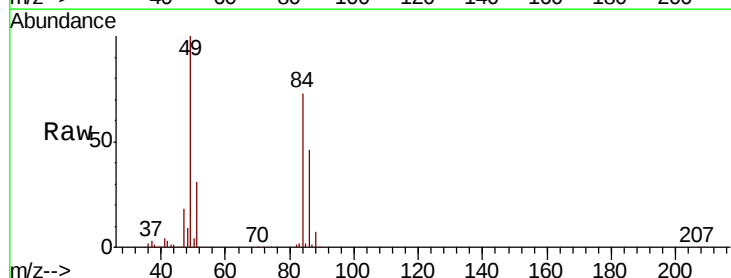
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

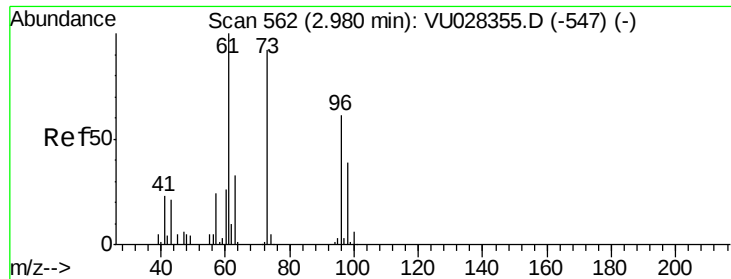
Tot Ion: 73 Resp: 610391
Ion Ratio Lower Upper
73 100
57 23.9 20.1 30.1



#20
Methylene Chloride
Concen: 49.012 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 84 Resp: 198801
Ion Ratio Lower Upper
84 100
49 136.8 120.0 180.0
51 42.5 36.9 55.3
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.014 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

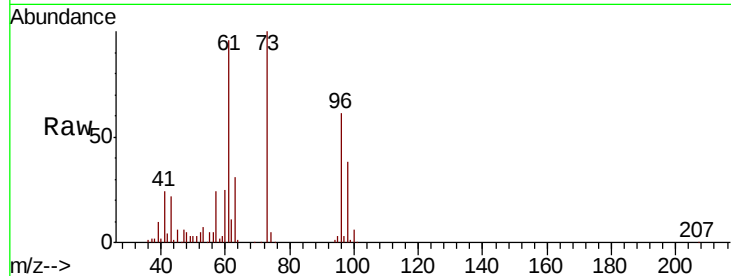
Tot Ion: 96 Resp: 170811

Ion Ratio Lower Upper

96 100

61 158.2 131.1 196.7

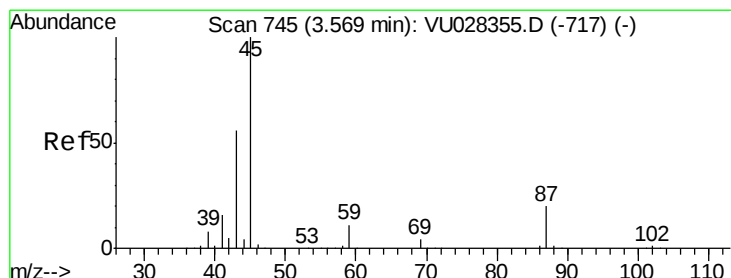
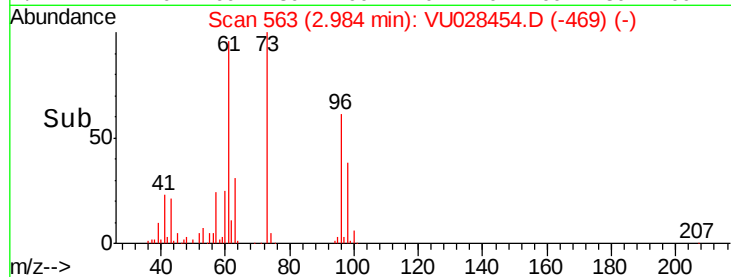
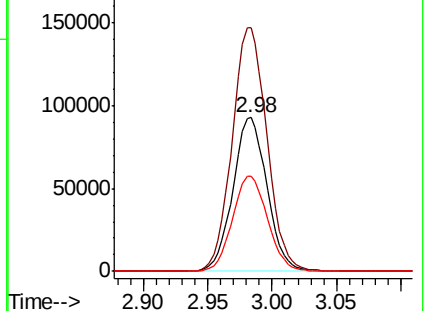
98 61.9 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU028355.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-547) (-)



#22

Diisopropyl ether

Concen: 47.974 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Tgt Ion: 45 Resp: 741530

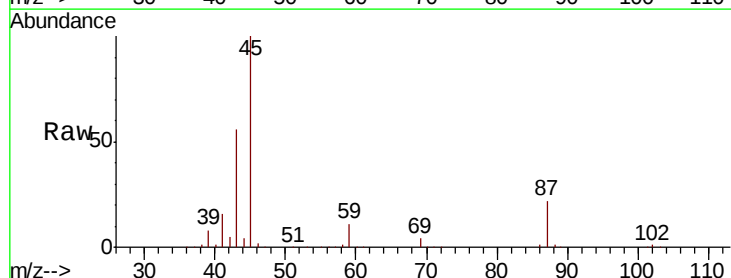
Ion Ratio Lower Upper

45 100

43 55.8 44.8 67.2

87 21.8 16.3 24.5

59 10.7 8.6 12.8

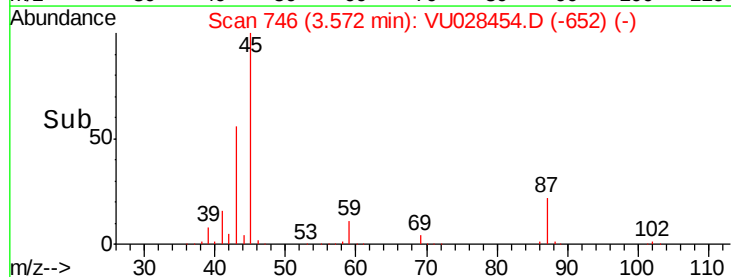
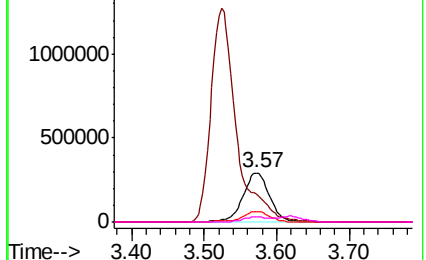


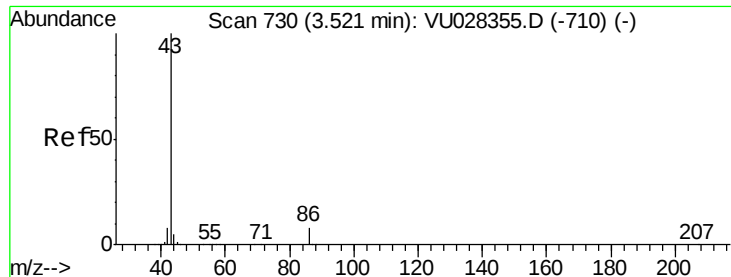
Abundance Ion 45.00 (44.70 to 45.70): VU028355.D (-717) (-)

Ion 43.00 (42.70 to 43.70): VU028355.D (-717) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-717) (-)

Ion 59.00 (58.70 to 59.70): VU028355.D (-717) (-)





#23

Vinyl Acetate

Concen: 240.839 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

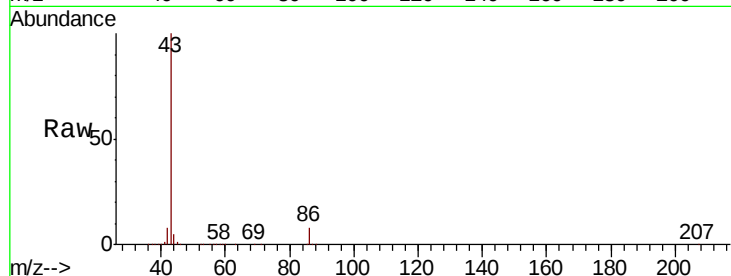
VSTDCCC050EC

Tot Ion: 43 Resp: 3094305

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028454.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028454.D (-637) (-)

1500000

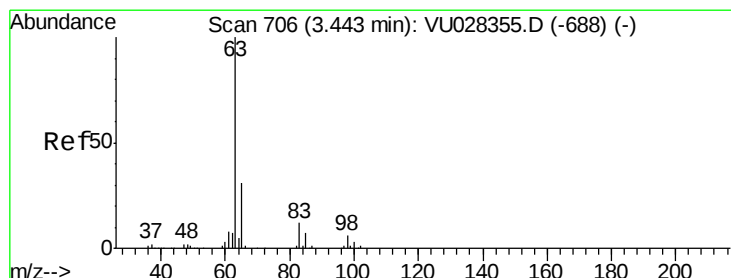
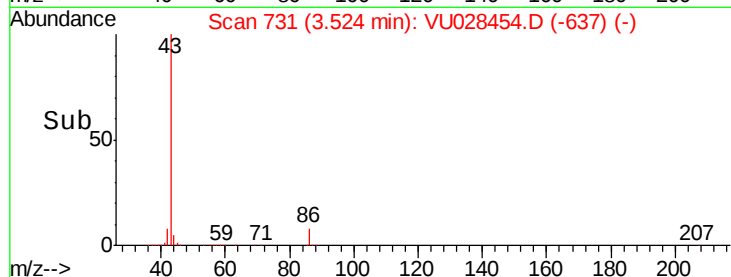
1000000

500000

0

3.40 3.52 3.60 3.80

Time-->



#24

1,1-Dichloroethane

Concen: 49.201 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

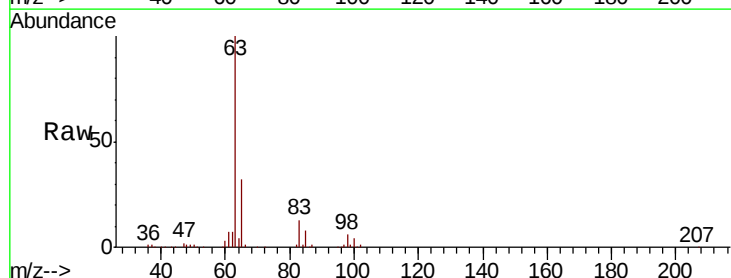
Tgt Ion: 63 Resp: 374951

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028454.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028454.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028454.D (-613) (-)

200000

150000

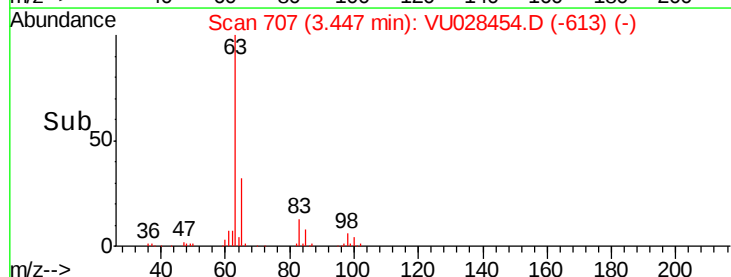
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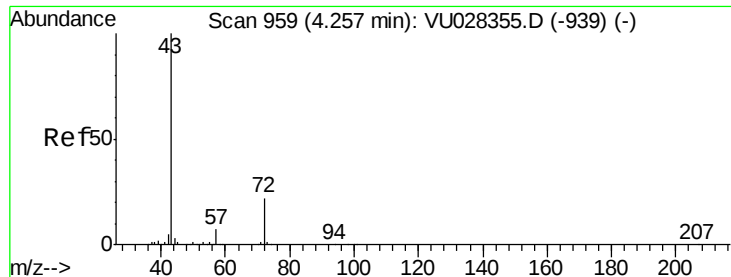
50000

0

3.40 3.45 3.50

Time-->

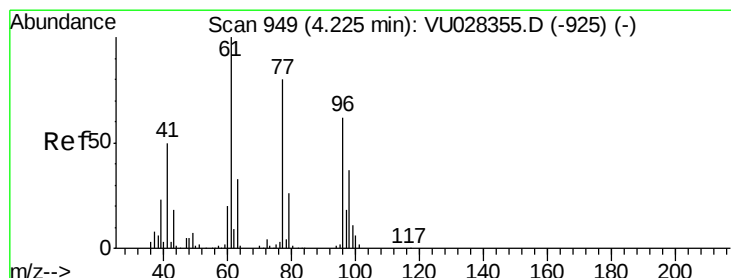
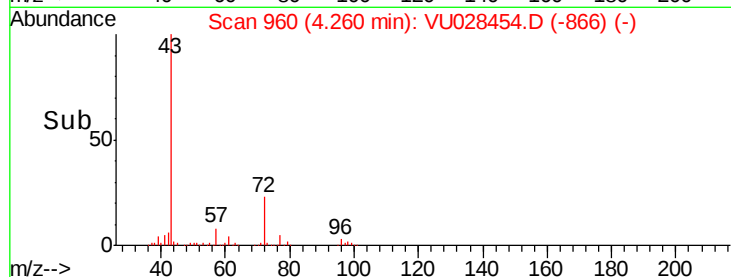
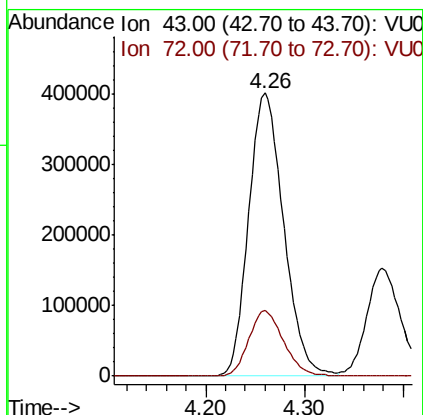
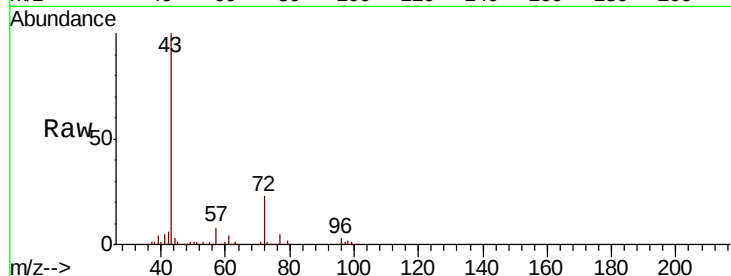




#25
 2-Butanone
 Concen: 237.995 ug/l
 RT: 4.26 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

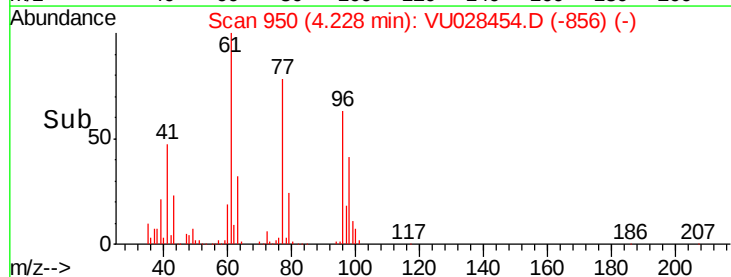
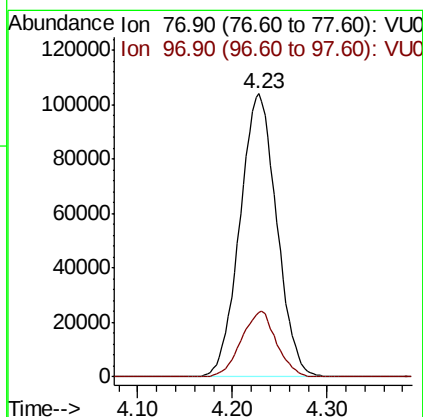
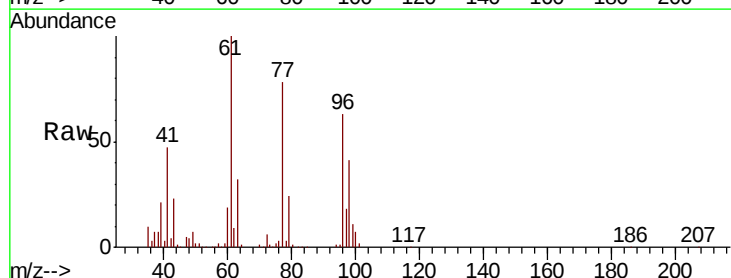
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

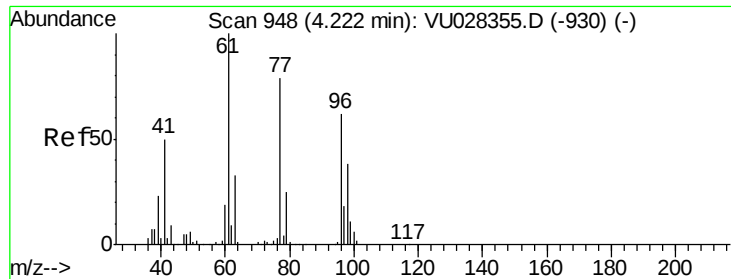
Tot Ion: 43 Resp: 980846
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.7 26.5



#26
 2,2-Dichloropropane
 Concen: 46.426 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion: 77 Resp: 280986
 Ion Ratio Lower Upper
 77 100
 97 22.3 10.7 32.1



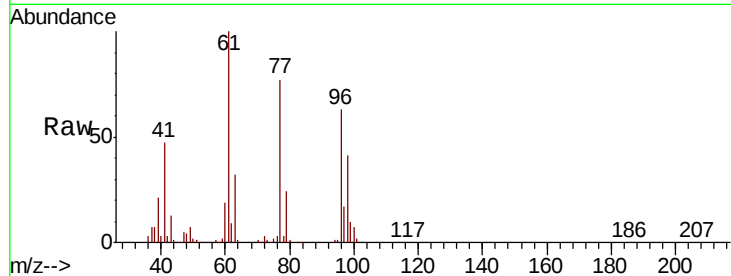


#27

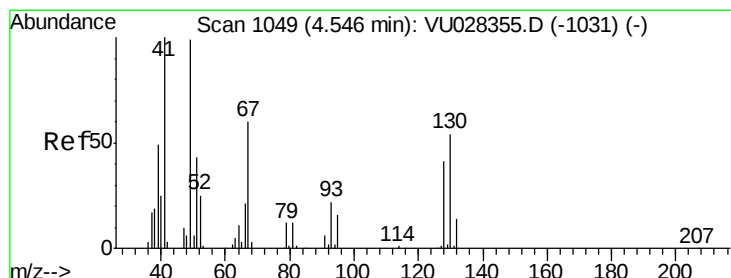
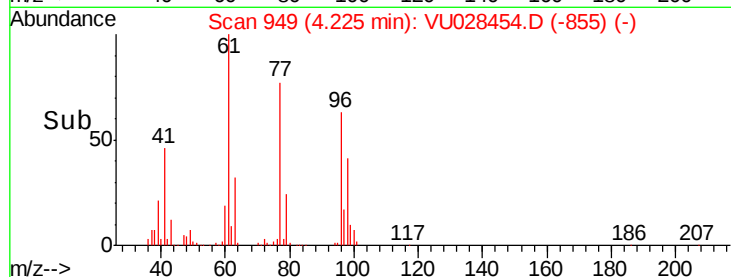
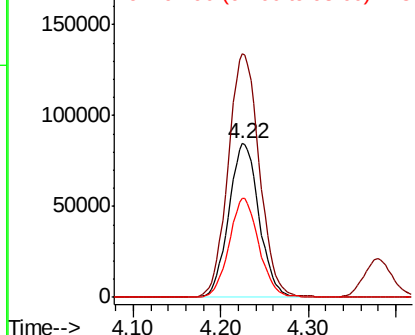
cis-1,2-Dichloroethene
Concen: 49.403 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	342.0
98	63.0	0.0	126.4



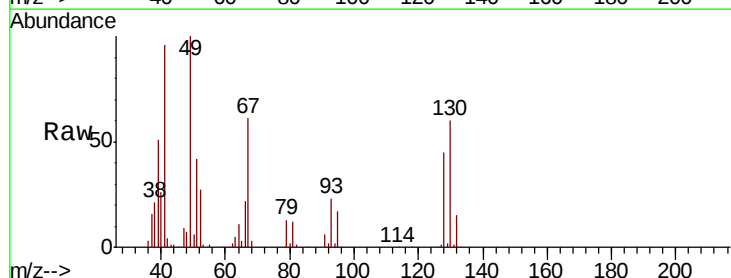
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



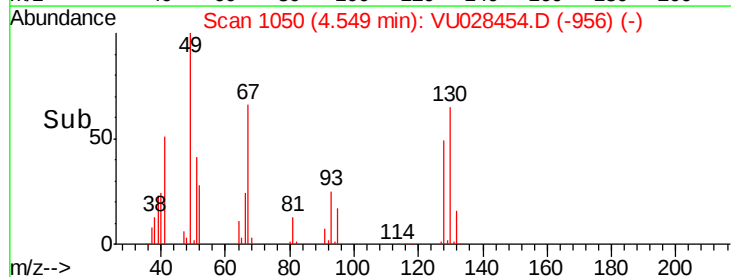
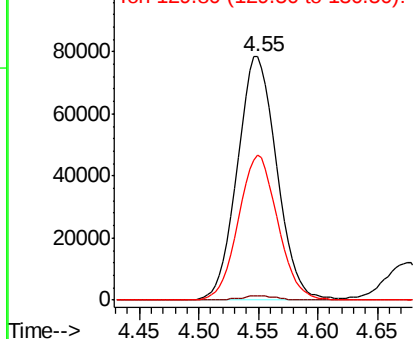
#28

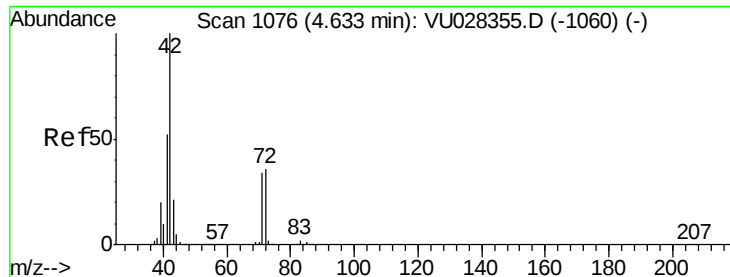
Bromochloromethane
Concen: 47.376 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.6
130	59.4	44.5	66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 245.832 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

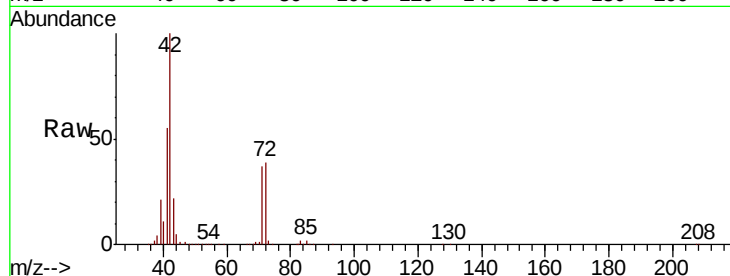
Tot Ion: 42 Resp: 657799

Ion Ratio Lower Upper

42 100

72 38.9 29.5 44.3

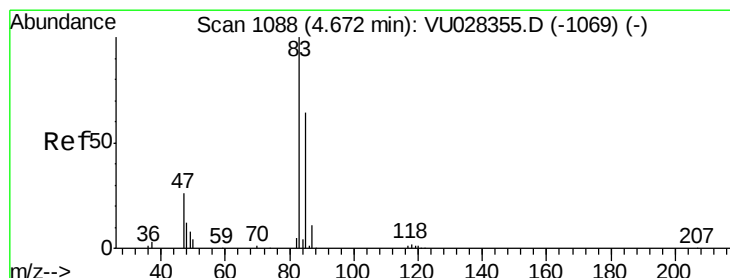
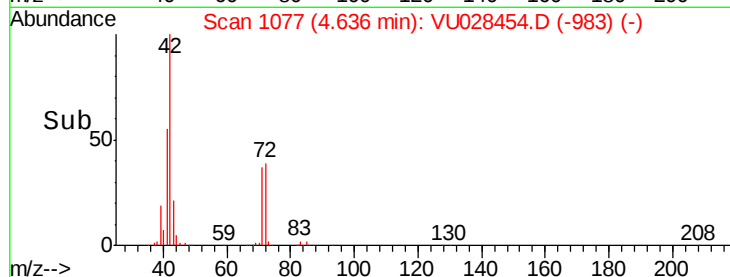
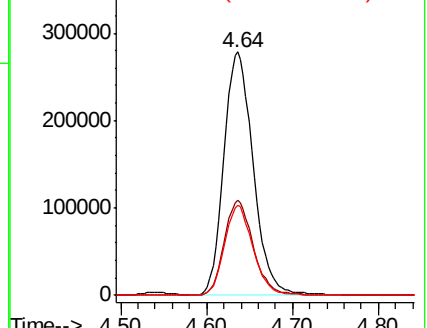
71 36.3 27.7 41.5



Abundance Ion 42.00 (41.70 to 42.70): VU028355.D (-1060) (-)

Ion 72.00 (71.70 to 72.70): VU028355.D (-1060) (-)

Ion 71.00 (70.70 to 71.70): VU028355.D (-1060) (-)



#30

Chloroform

Concen: 47.979 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028454.D

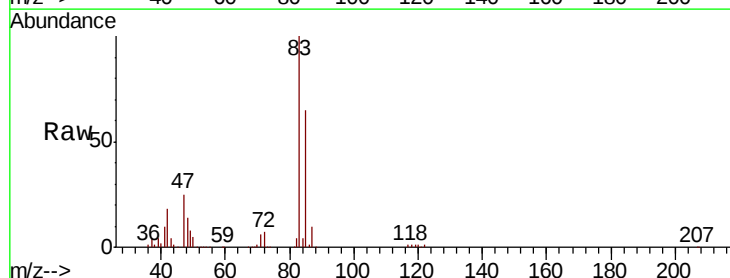
Acq: 03 Dec 2018 20:11

Tgt Ion: 83 Resp: 337495

Ion Ratio Lower Upper

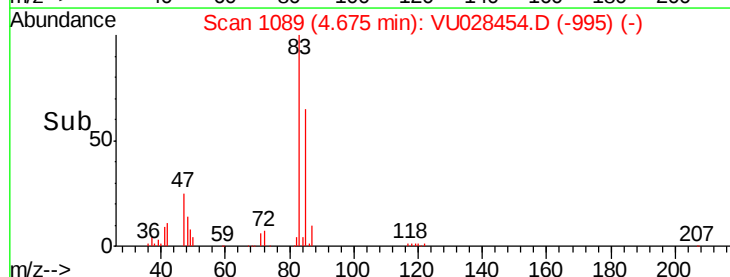
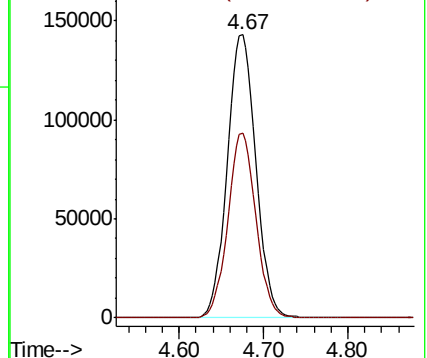
83 100

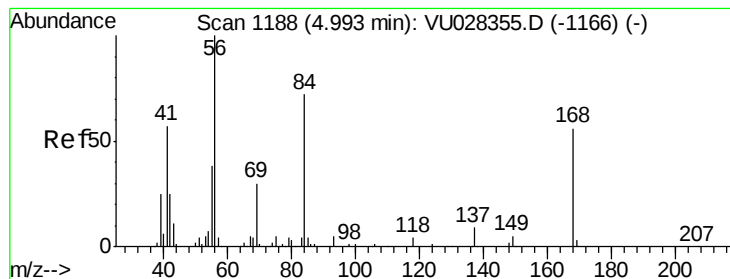
85 65.3 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU028355.D (-1069) (-)

Ion 84.90 (84.60 to 85.60): VU028355.D (-1069) (-)

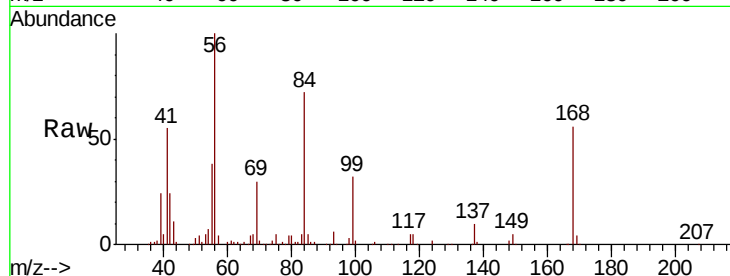




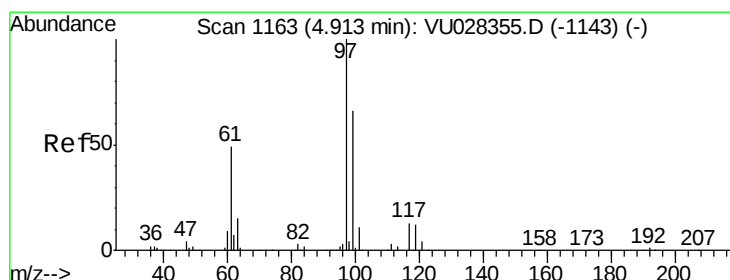
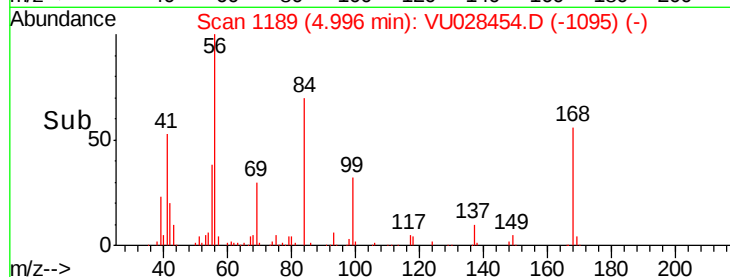
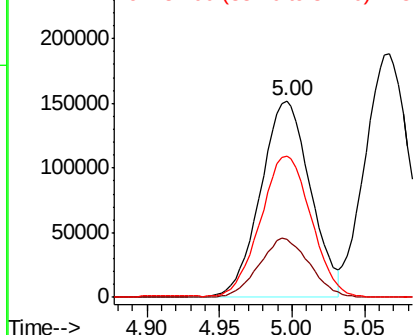
#31
Cyclohexane
Concen: 46.386 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 363101
Ion Ratio Lower Upper
56 100
69 29.5 23.7 35.5
84 71.1 57.3 85.9

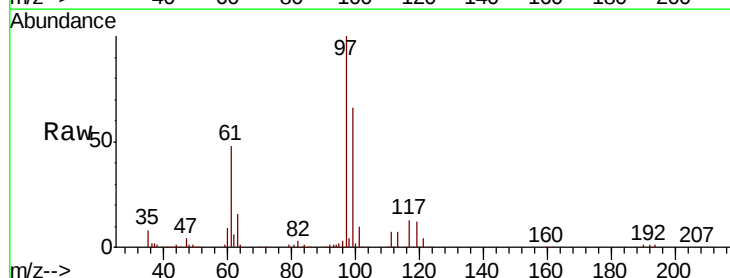


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

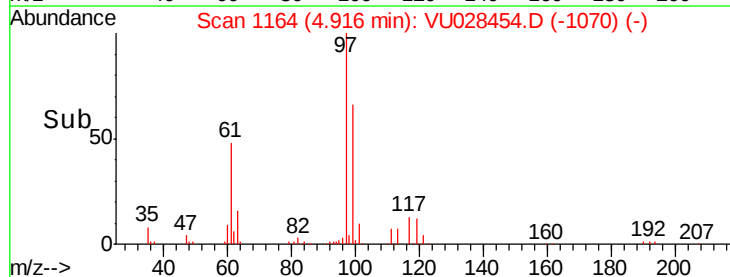
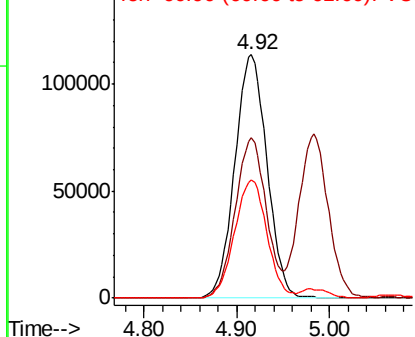


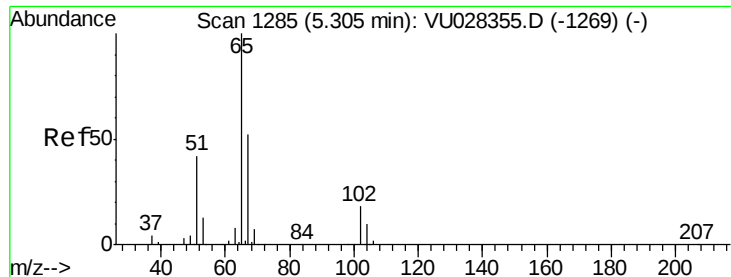
#32
1,1,1-Trichloroethane
Concen: 48.537 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 97 Resp: 273961
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 48.9 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 49.422 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

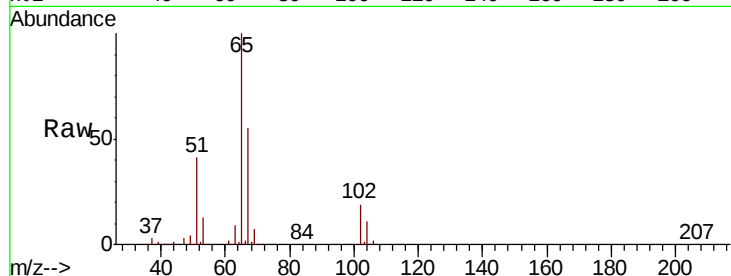
VSTDCCC050EC

Tot Ion: 65 Resp: 232327

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

120000

100000

80000

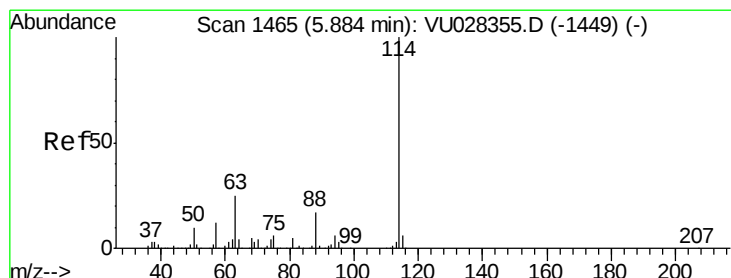
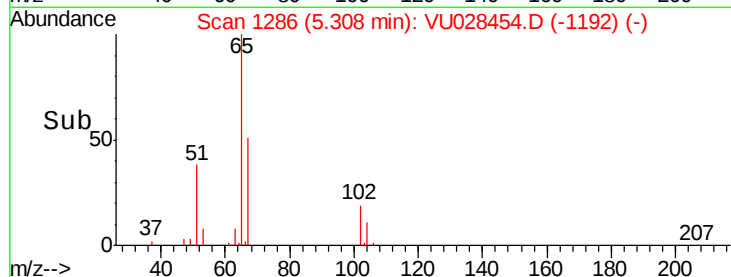
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

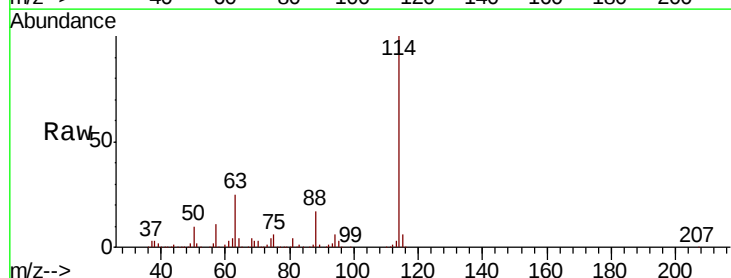
Tgt Ion: 114 Resp: 514363

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.0

88 17.1 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

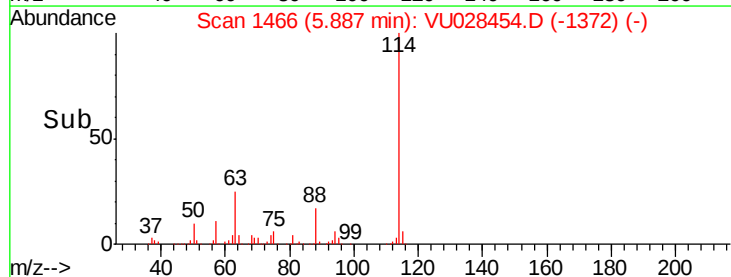
300000

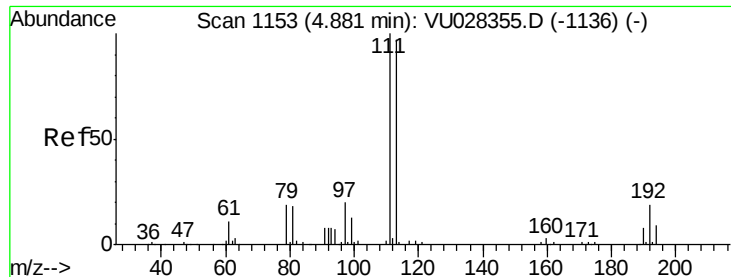
200000

100000

0

Time-->

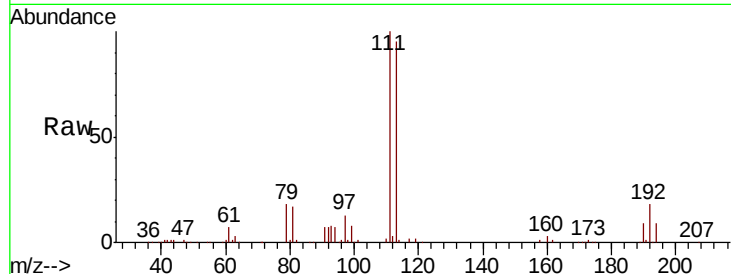




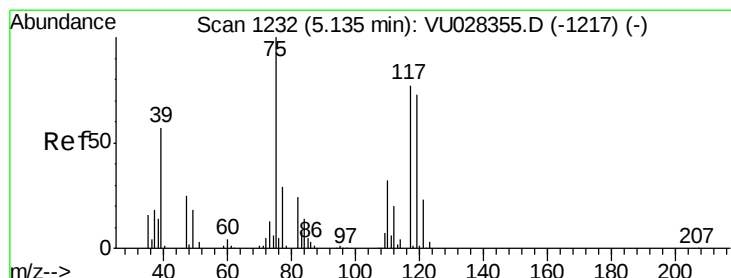
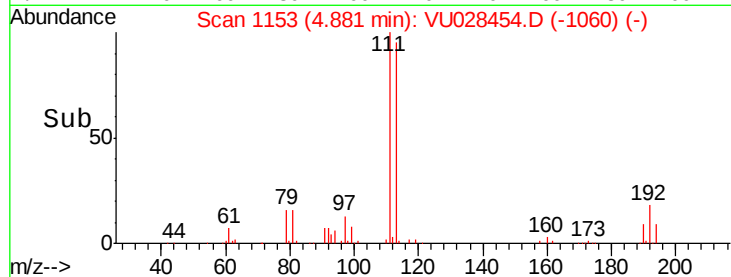
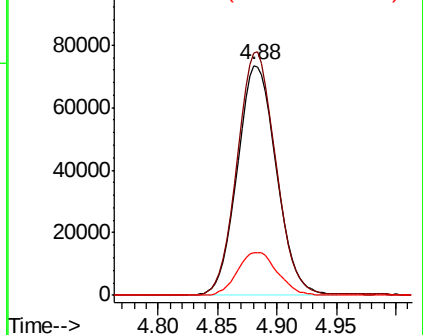
#35
 Dibromofluoromethane
 Concen: 48.964 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 167472
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.9 124.3
 192 19.2 15.4 23.0

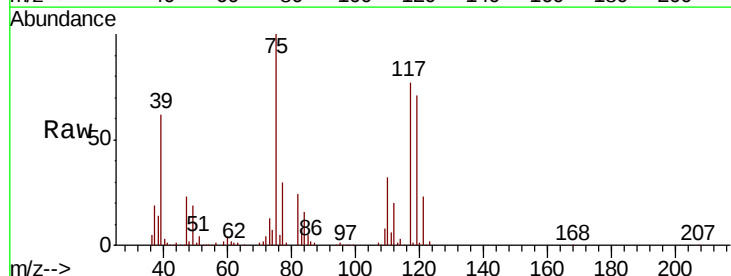


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

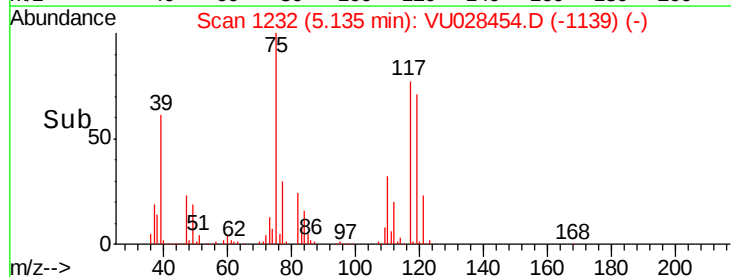
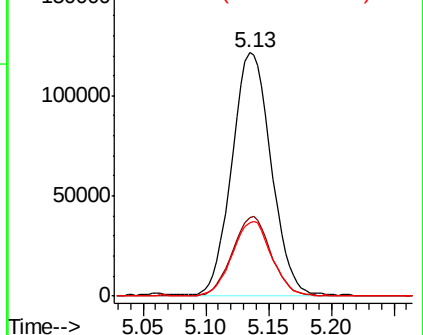


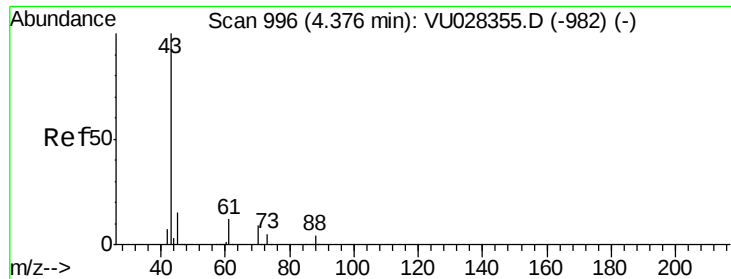
#36
 1,1-Dichloropropene
 Concen: 46.660 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion: 75 Resp: 262633
 Ion Ratio Lower Upper
 75 100
 110 32.6 15.8 47.4
 77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

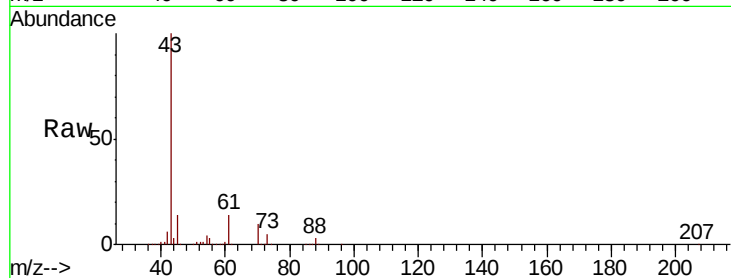




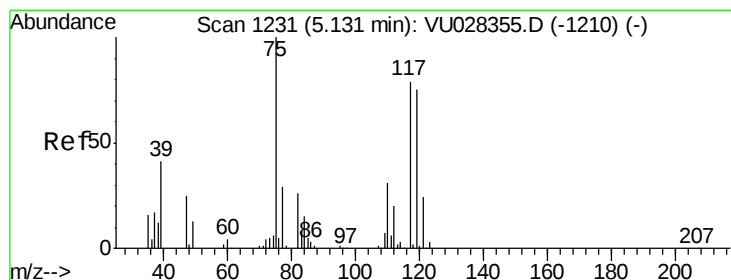
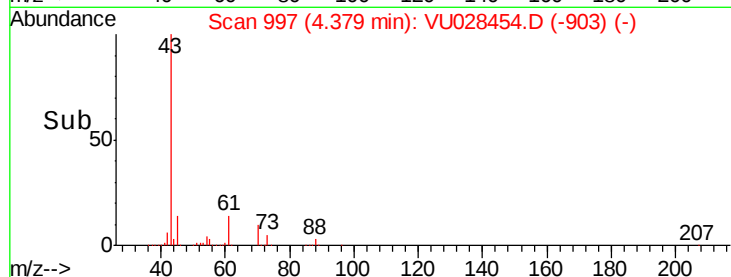
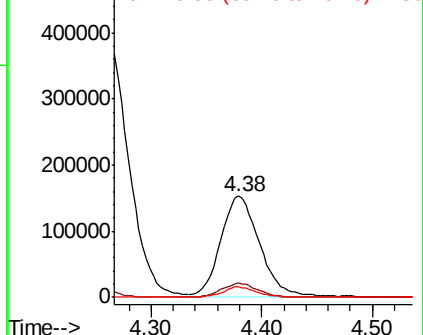
#37
Ethyl Acetate
Concen: 48.124 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 369131
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.4
70 9.1 6.9 10.3

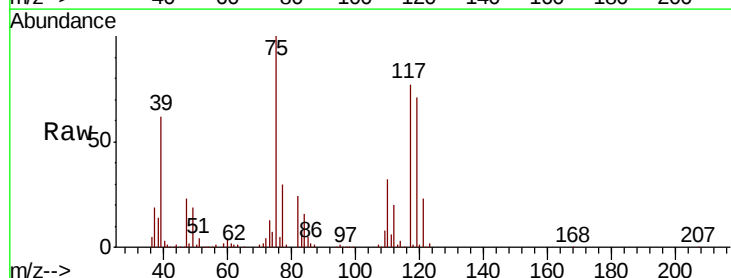


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

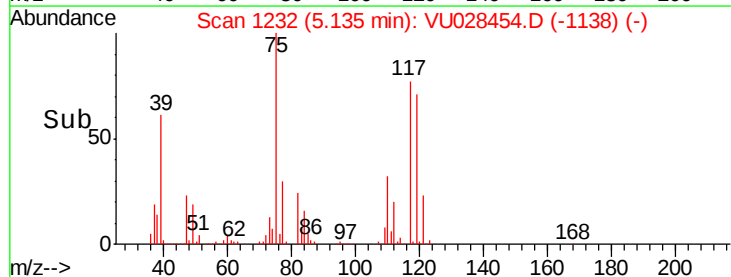
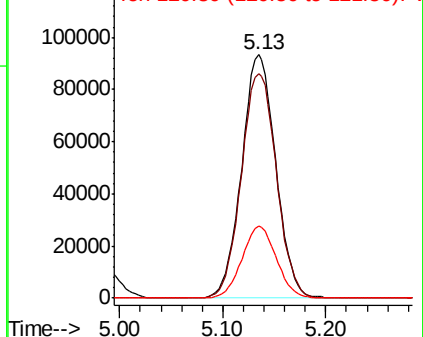


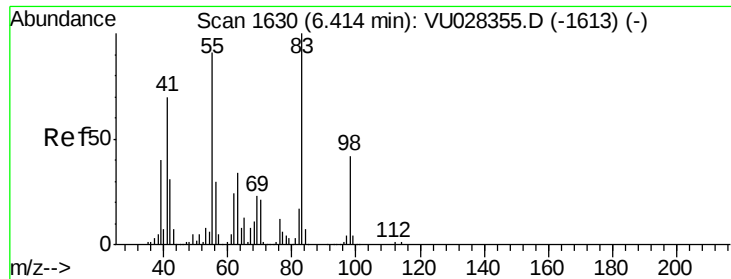
#38
Carbon Tetrachloride
Concen: 46.335 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 117 Resp: 214162
Ion Ratio Lower Upper
117 100
119 92.2 76.3 114.5
121 29.5 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

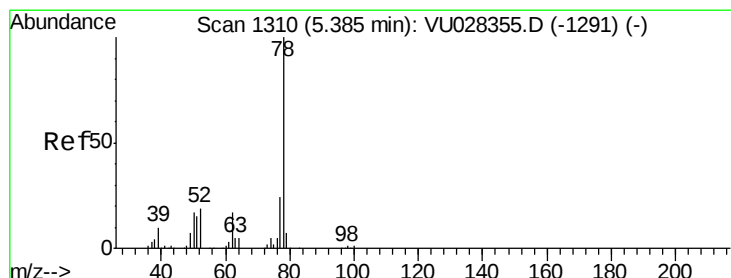
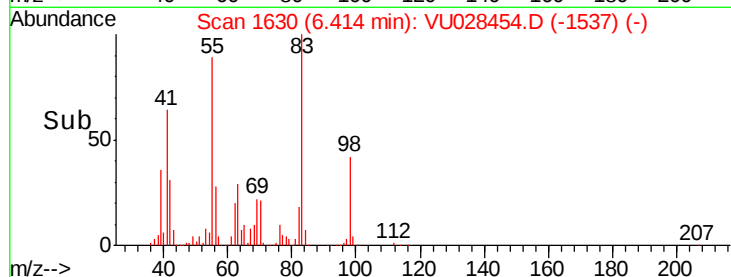
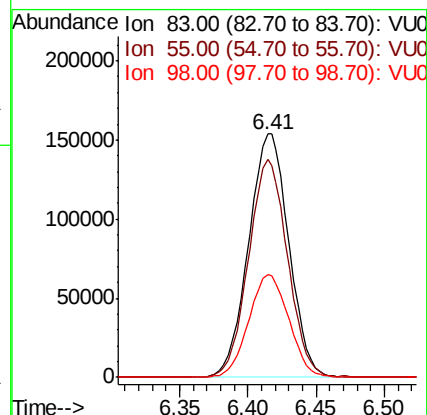
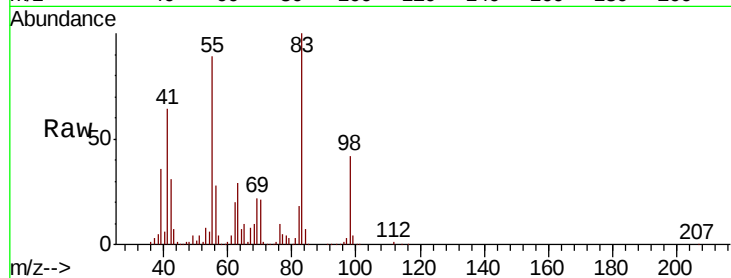




#39
Methvlcvclohexane
Concen: 47.387 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

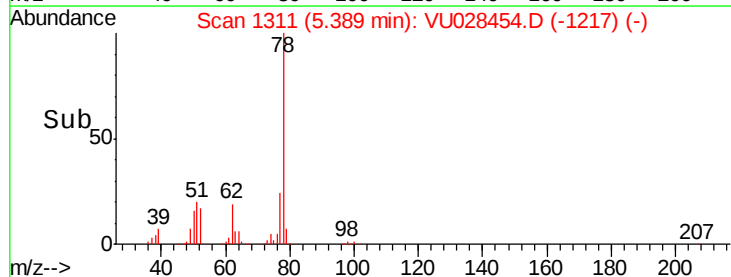
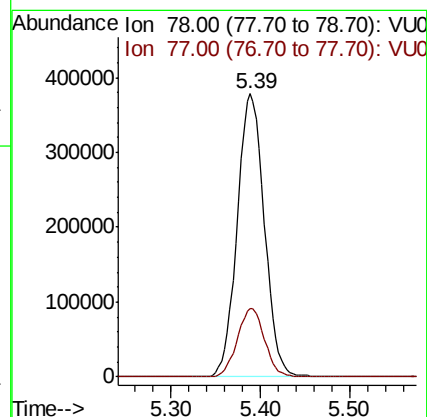
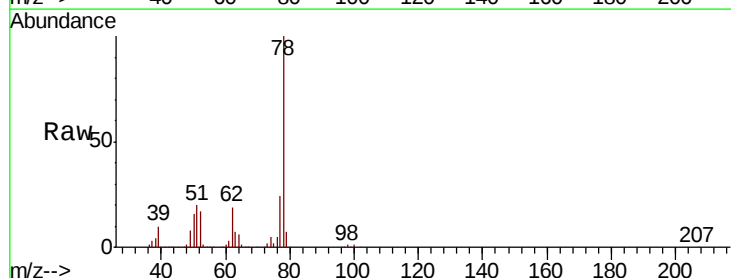
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

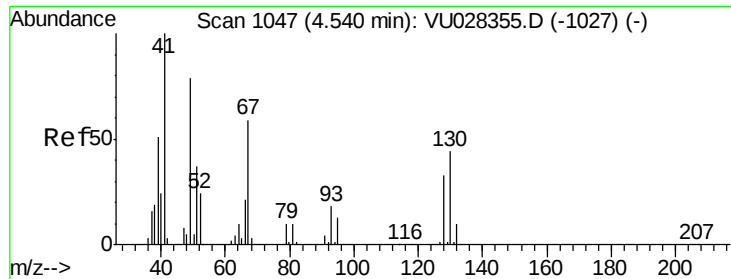
Tot Ion: 83 Resp: 314467
Ion Ratio Lower Upper
83 100
55 89.3 73.1 109.7
98 42.1 33.9 50.9



#40
Benzene
Concen: 47.868 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 78 Resp: 797995
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

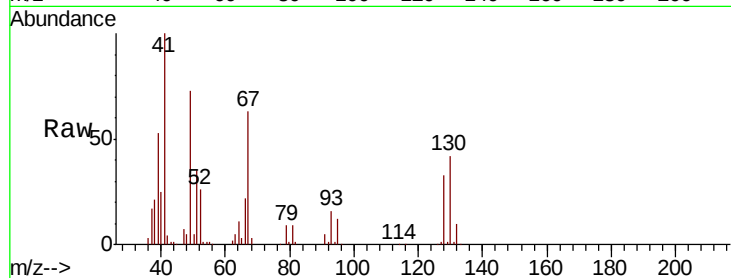




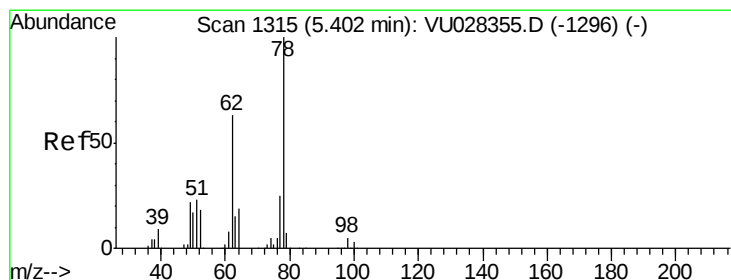
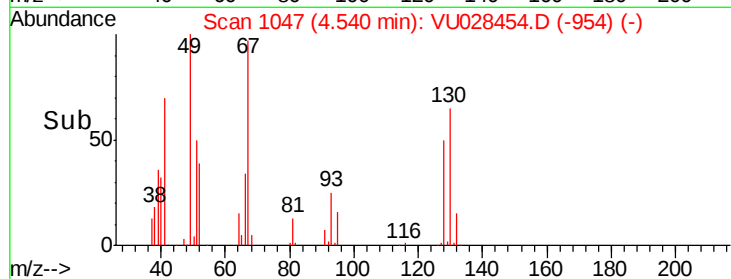
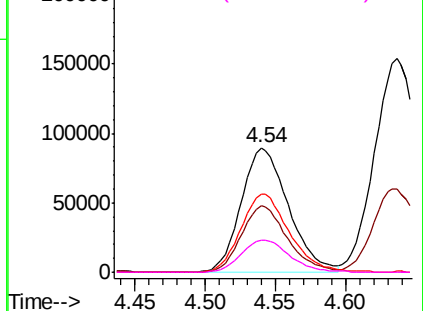
#41
Methacrylonitrile
Concen: 49.027 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	208842
Ion	Ratio	Lower	Upper
41	100		
39	51.8	41.3	61.9
67	64.8	48.6	73.0
52	26.0	19.4	29.0

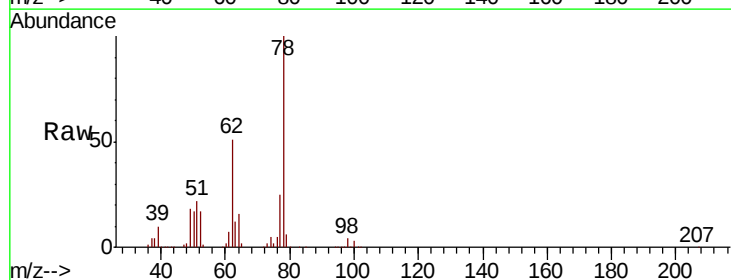


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

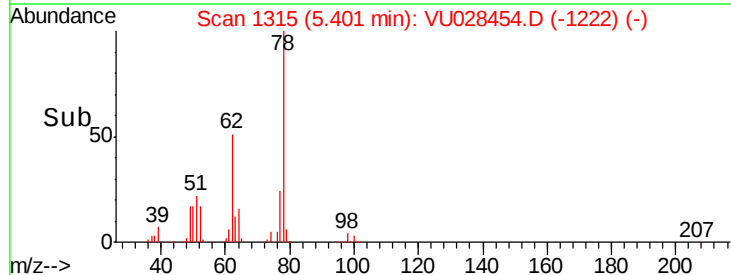
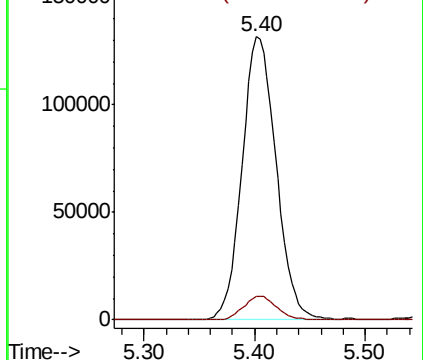


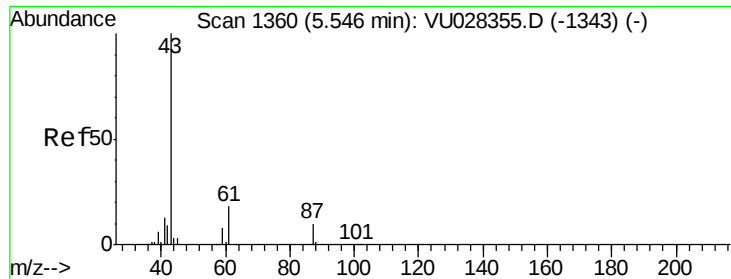
#42
1,2-Dichloroethane
Concen: 46.934 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:	62	Resp:	281863
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 48.164 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

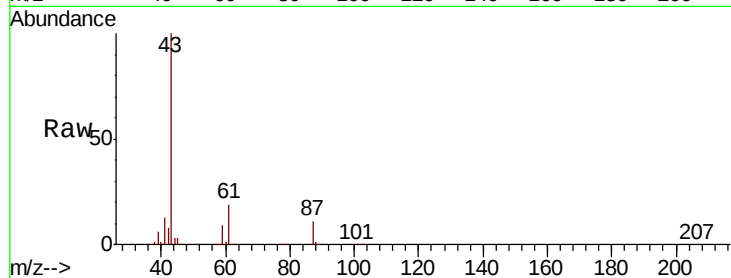
Tot Ion: 43 Resp: 585442

Ion Ratio Lower Upper

43 100

61 19.0 14.5 21.7

87 10.9 8.4 12.6

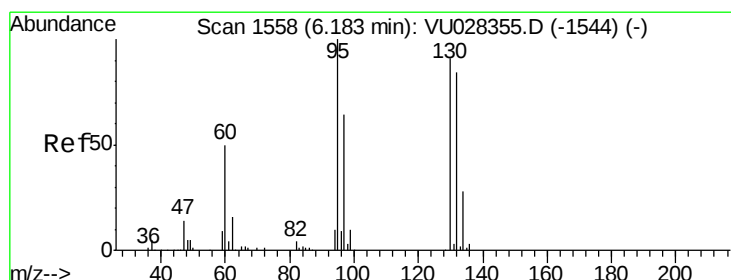
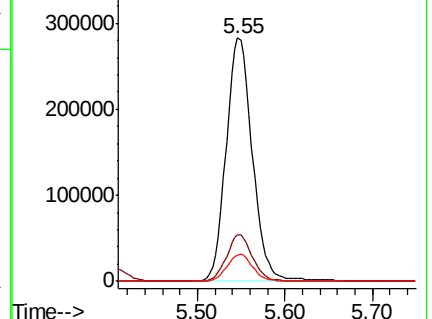
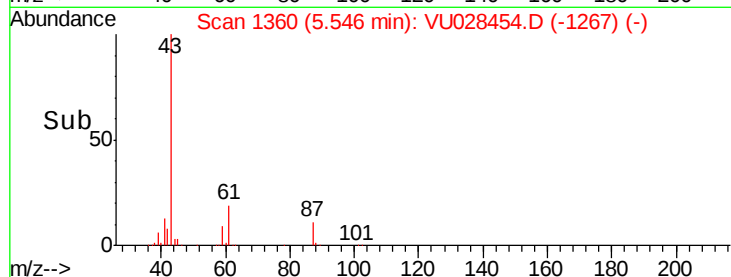


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)

Time-->



#44

Trichloroethene

Concen: 49.048 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028454.D

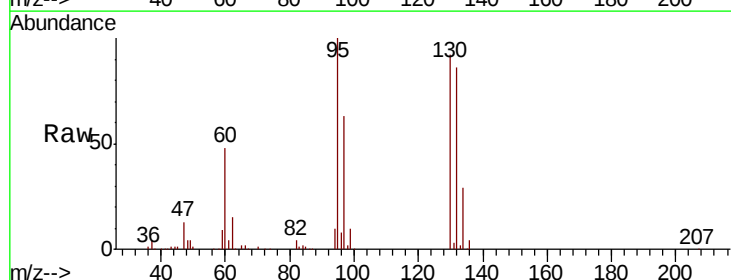
Acq: 03 Dec 2018 20:11

Tgt Ion:130 Resp: 175266

Ion Ratio Lower Upper

130 100

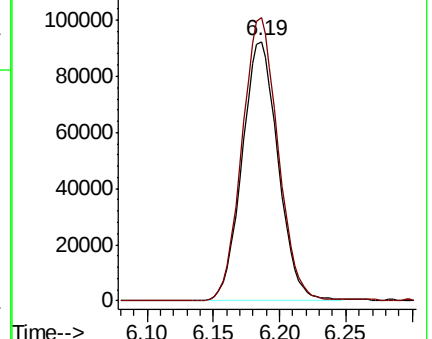
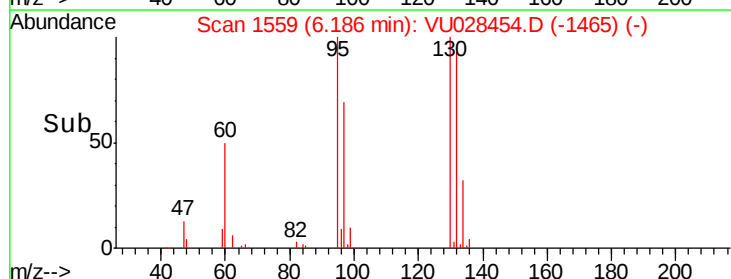
95 109.1 0.0 219.8

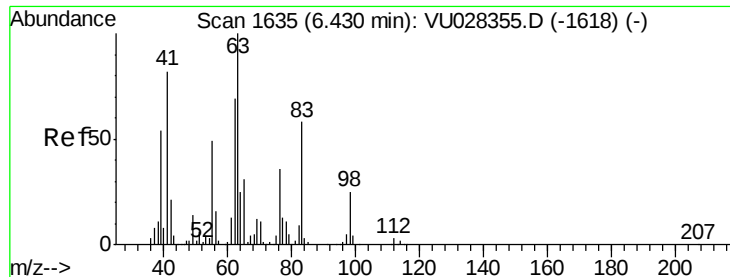


Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 46.799 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

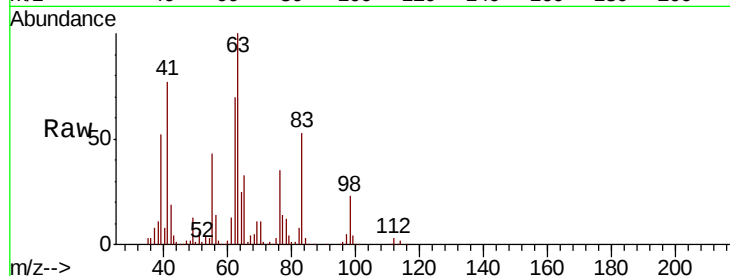
VSTDCCC050EC

Tot Ion: 63 Resp: 228465

Ion Ratio Lower Upper

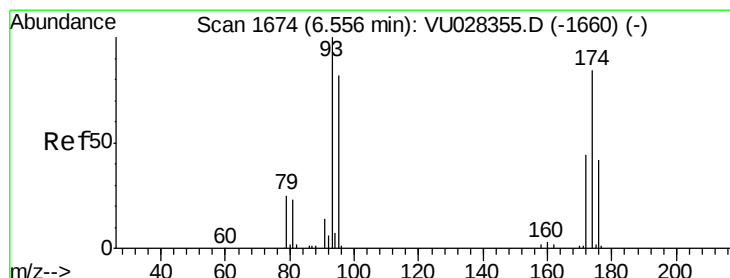
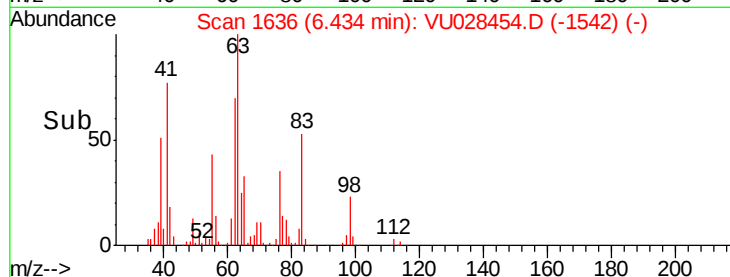
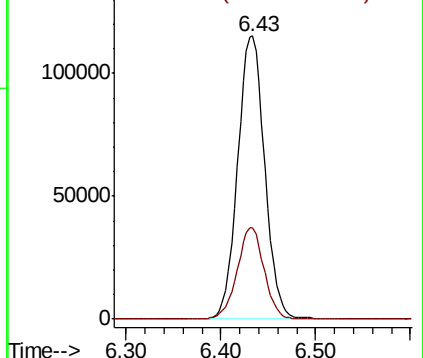
63 100

65 32.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.595 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

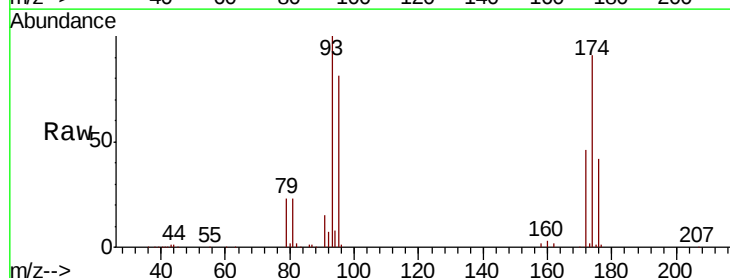
Tgt Ion: 93 Resp: 136266

Ion Ratio Lower Upper

93 100

95 82.3 65.1 97.7

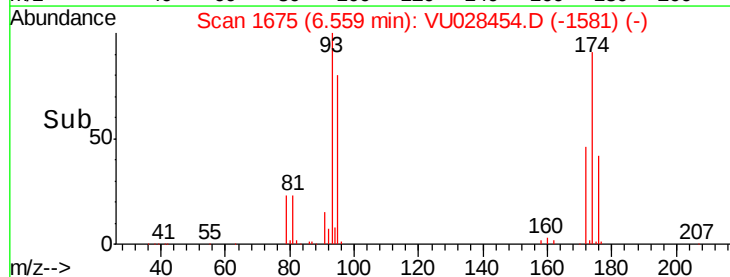
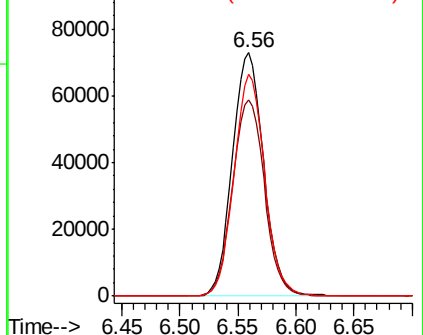
174 89.5 69.9 104.9

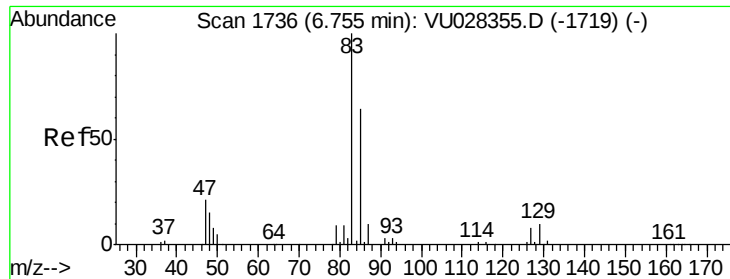


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

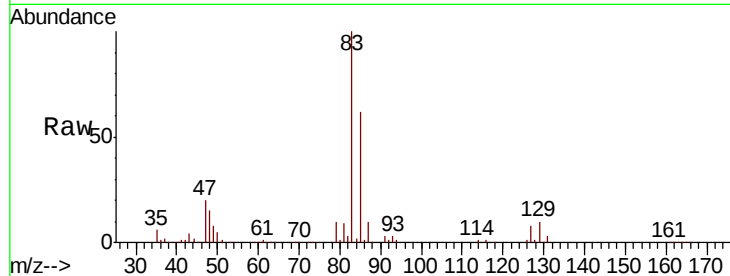




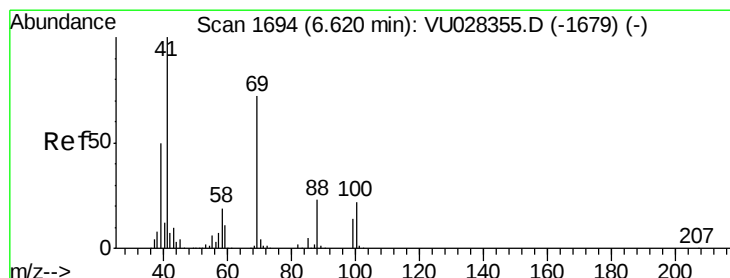
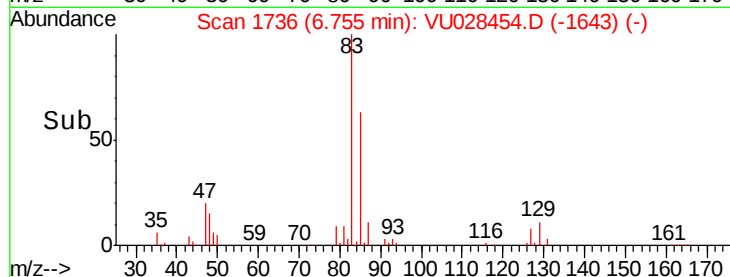
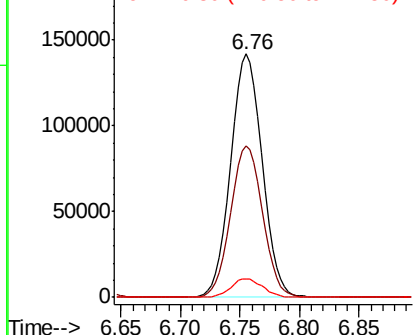
#47
Bromodichloromethane
Concen: 46.878 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 261464
Ion Ratio Lower Upper
83 100
85 62.3 50.9 76.3
127 7.7 6.2 9.4

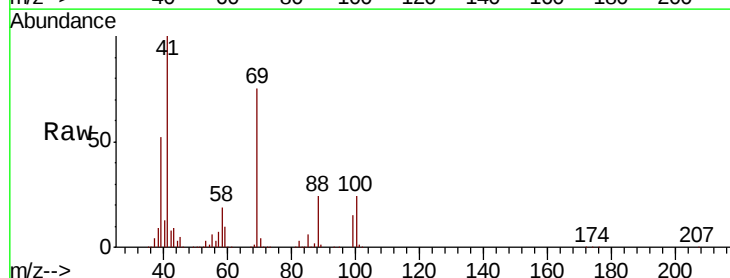


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

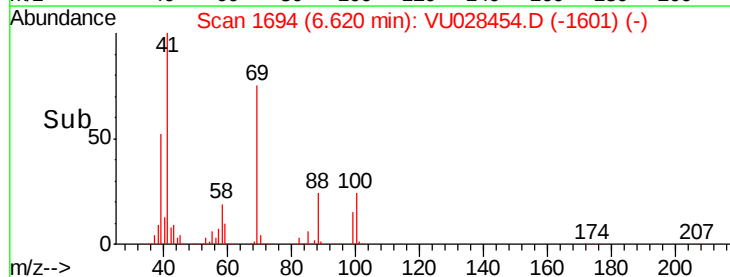
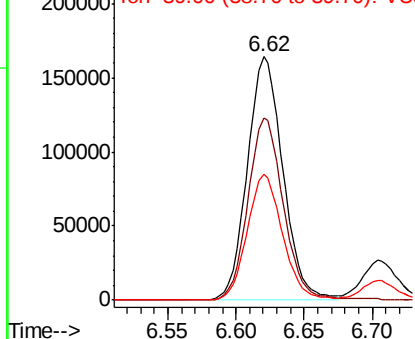


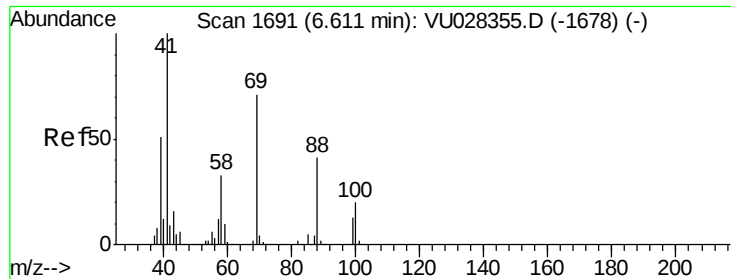
#48
Methyl methacrylate
Concen: 46.770 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 41 Resp: 296133
Ion Ratio Lower Upper
41 100
69 75.6 59.0 88.4
39 51.3 40.5 60.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

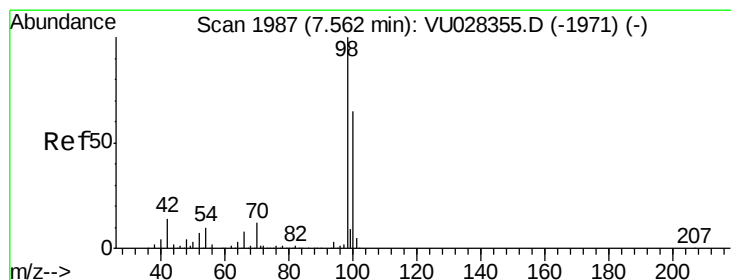
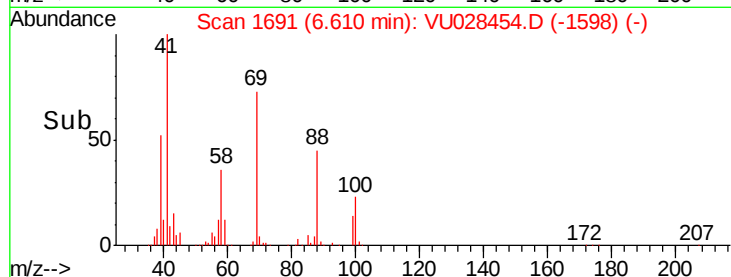
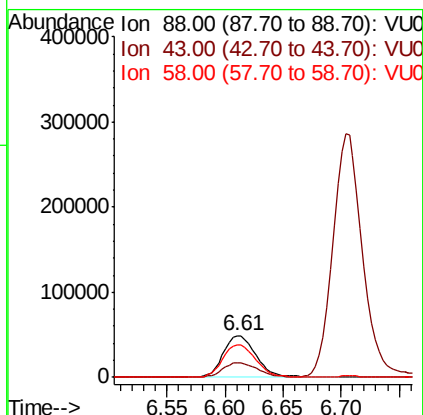
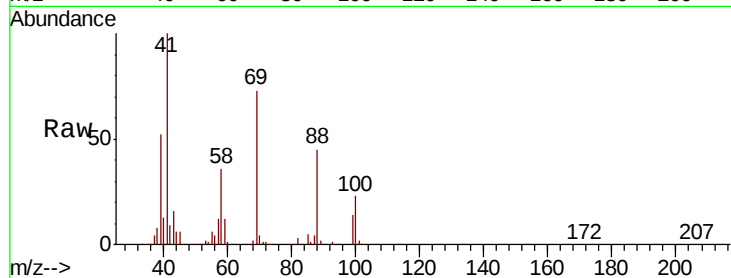




#49
1,4-Dioxane
Concen: 929.275 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

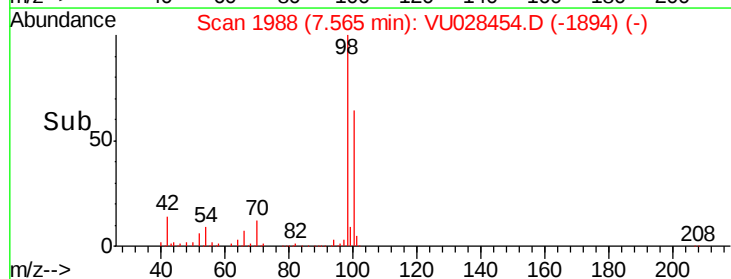
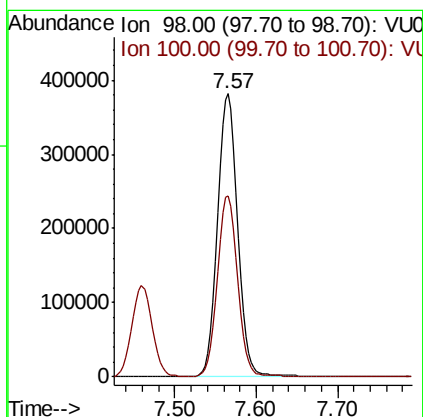
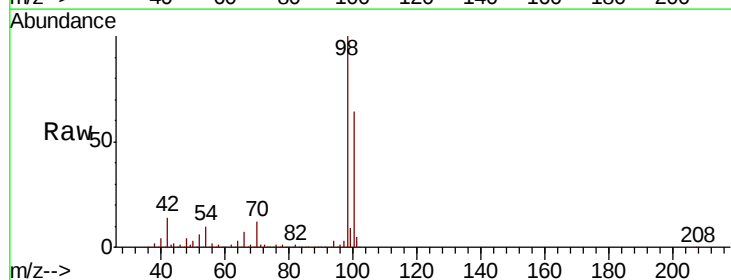
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

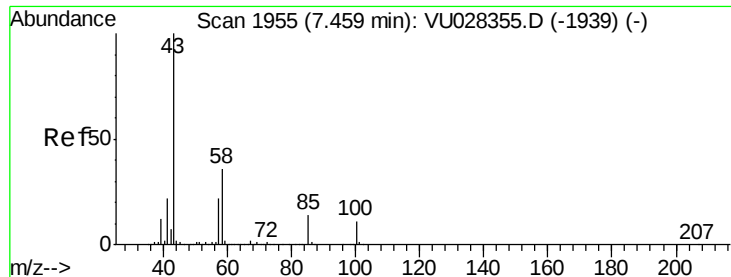
Tot Ion: 88 Resp: 93995
Ion Ratio Lower Upper
88 100
43 37.0 32.6 48.8
58 80.8 68.7 103.1



#50
Toluene-d8
Concen: 49.134 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 98 Resp: 672098
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 239.476 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

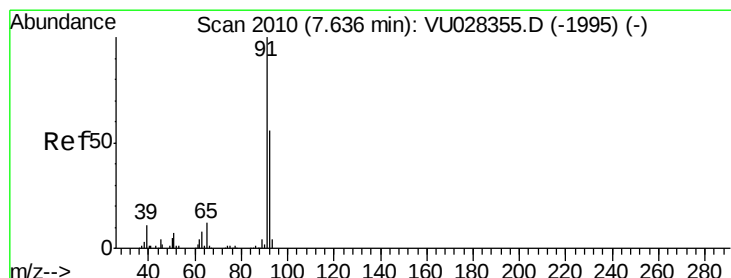
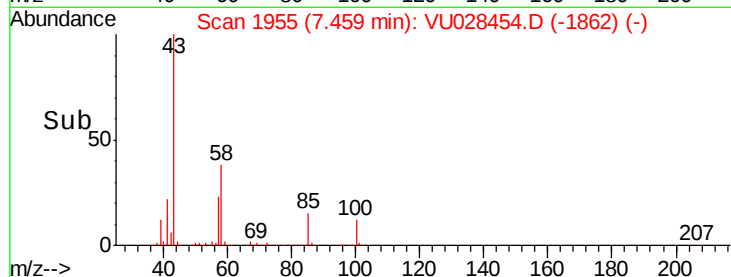
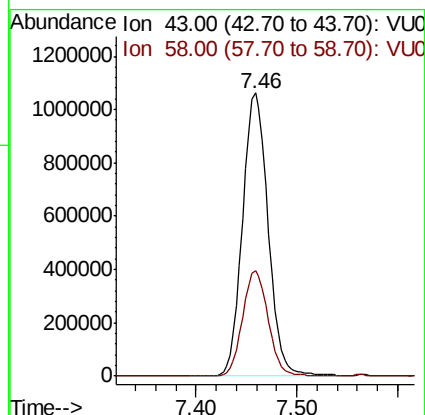
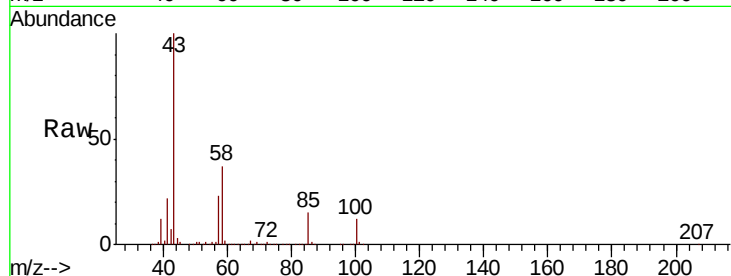
VSTDCCC050EC

Tot Ion: 43 Resp: 1859117

Ion Ratio Lower Upper

43 100

58 37.5 28.8 43.2



#52

Toluene

Concen: 48.674 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028454.D

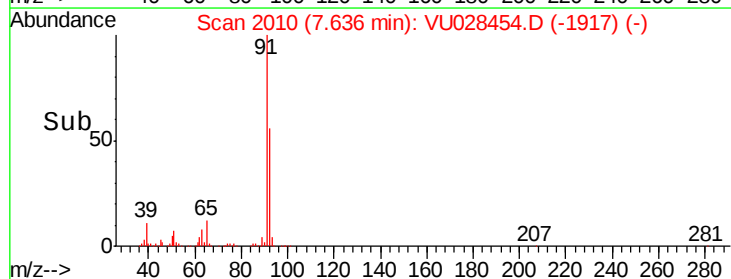
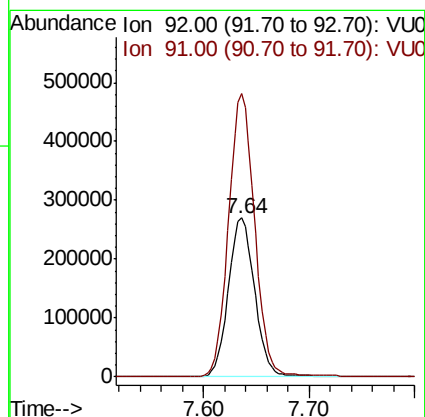
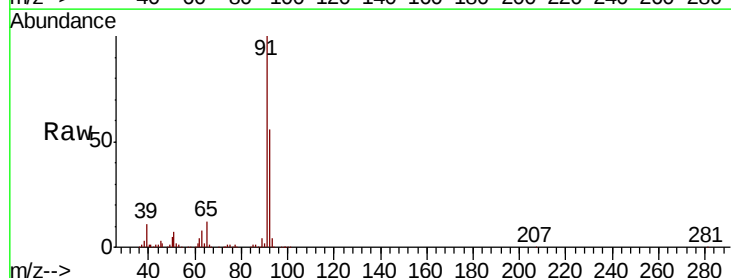
Acq: 03 Dec 2018 20:11

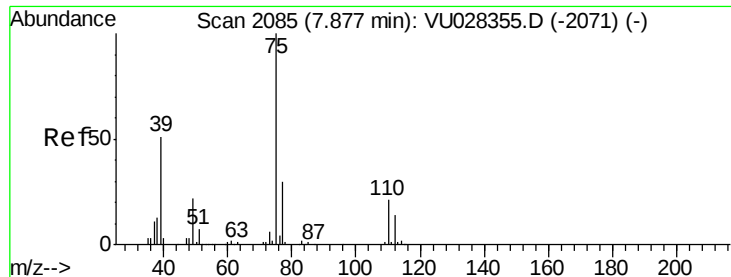
Tgt Ion: 92 Resp: 467256

Ion Ratio Lower Upper

92 100

91 177.1 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 47.722 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

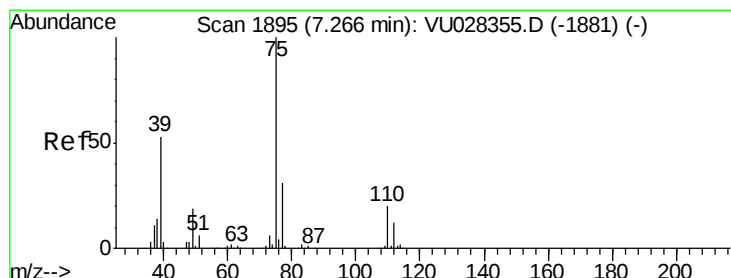
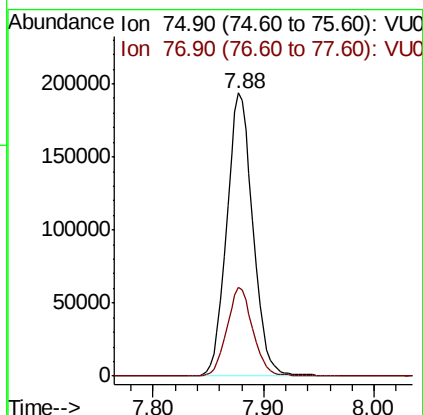
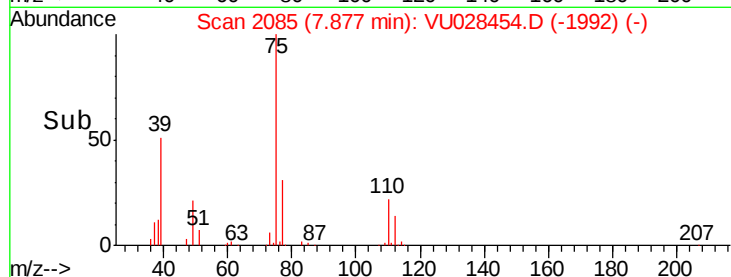
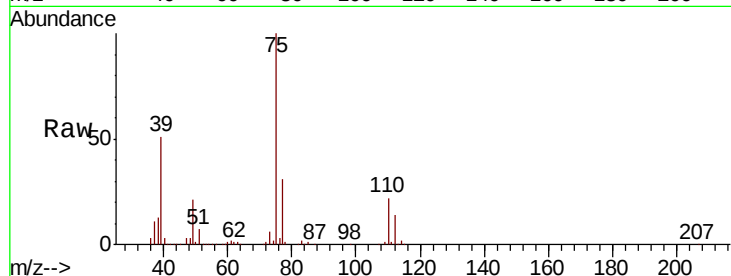
VSTDCCC050EC

Tot Ion: 75 Resp: 318281

Ion Ratio Lower Upper

75 100

77 31.3 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 47.157 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

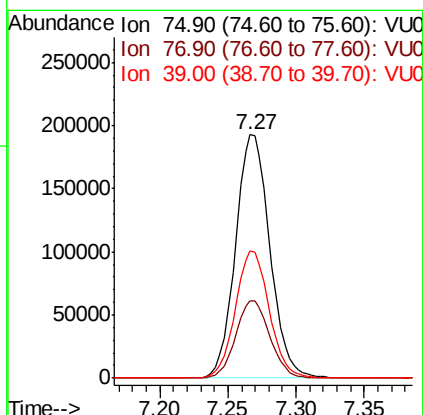
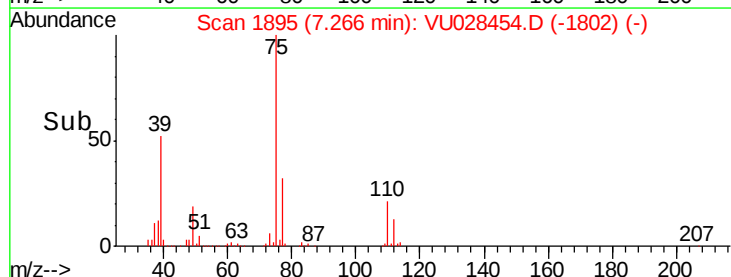
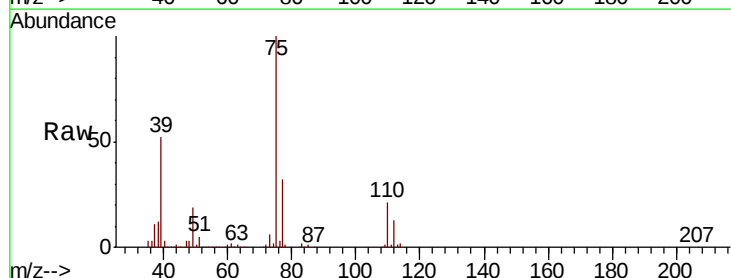
Tgt Ion: 75 Resp: 336943

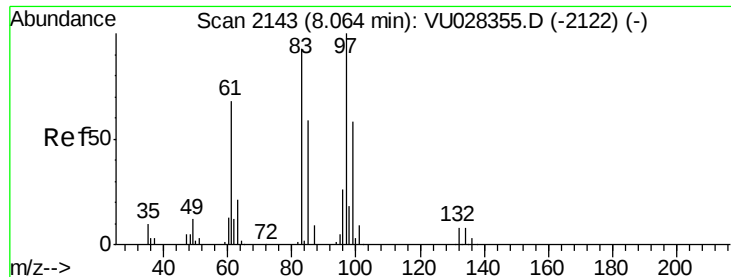
Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 52.0 42.6 64.0

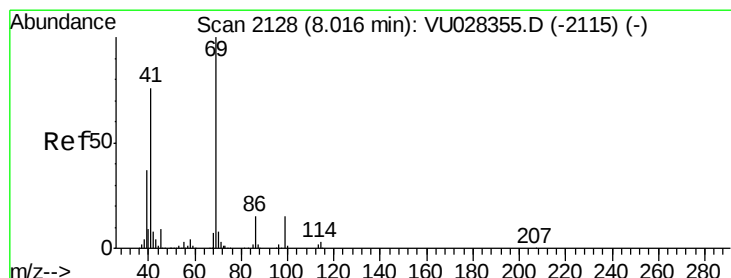
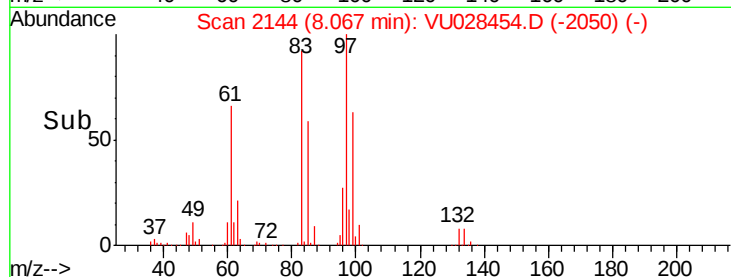
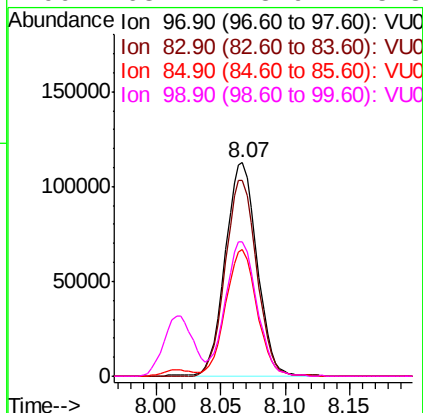
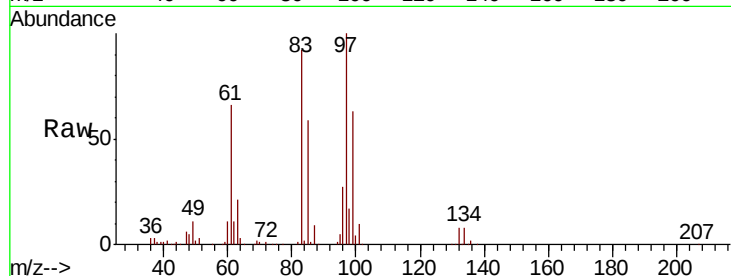




#55
 1,1,2-Trichloroethane
 Concen: 47.889 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

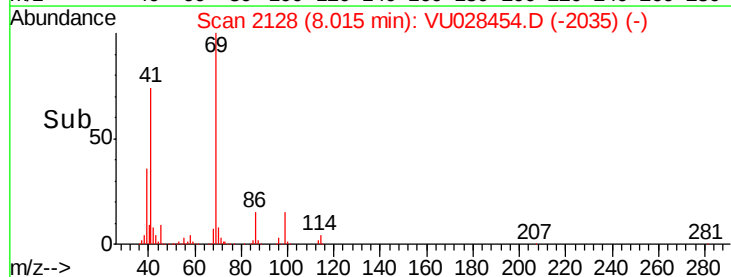
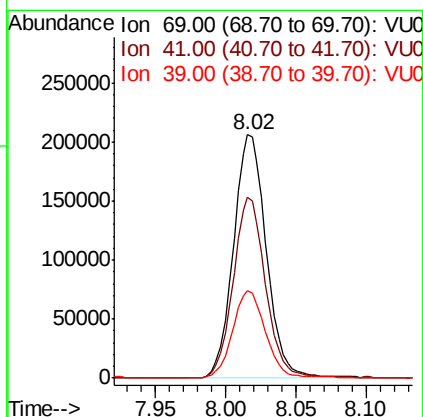
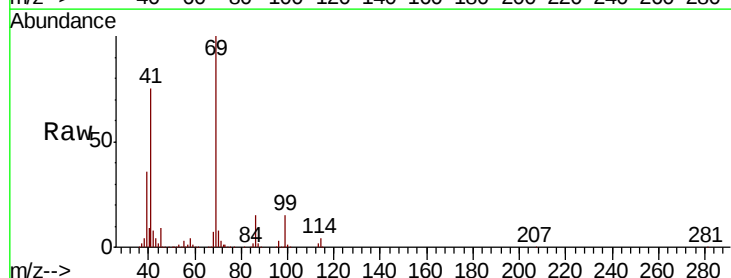
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

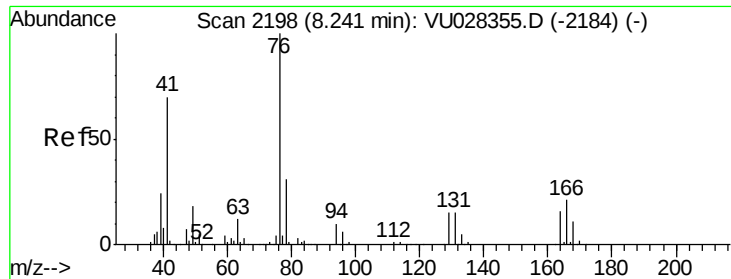
Tot Ion:	97	Resp:	191330
Ion	Ratio	Lower	Upper
97	100		
83	91.8	74.3	111.5
85	59.0	47.2	70.8
99	63.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 49.359 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion:	69	Resp:	335483
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.0	90.0
39	35.7	29.0	43.6





#57

1,3-Dichloropropane

Concen: 47.903 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

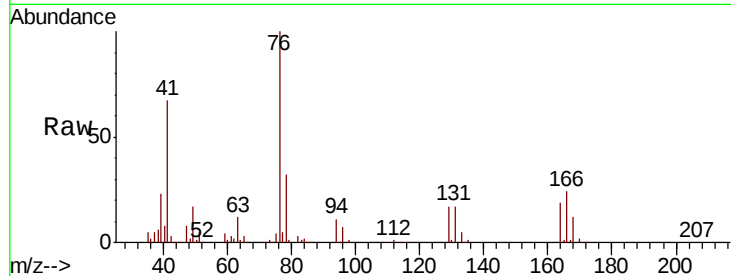
VSTDCCC050EC

Tot Ion: 76 Resp: 350969

Ion Ratio Lower Upper

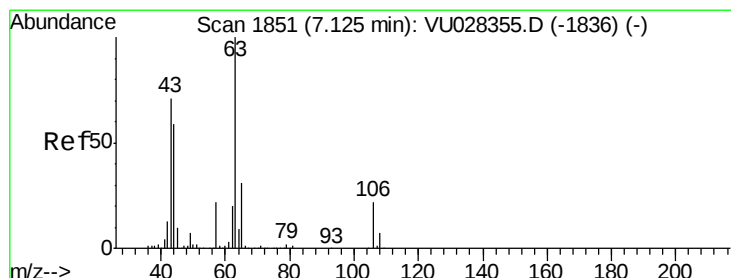
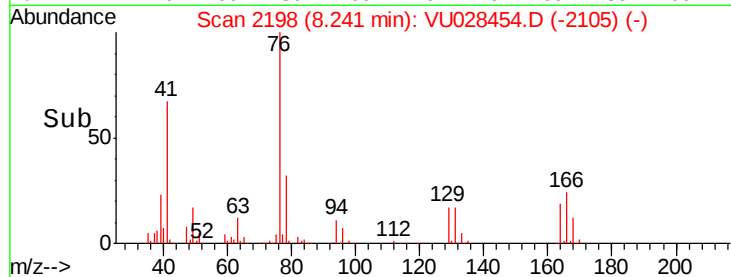
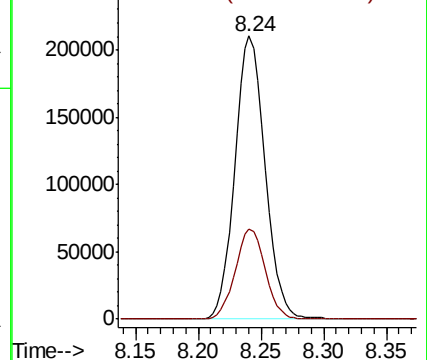
76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 242.806 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028454.D

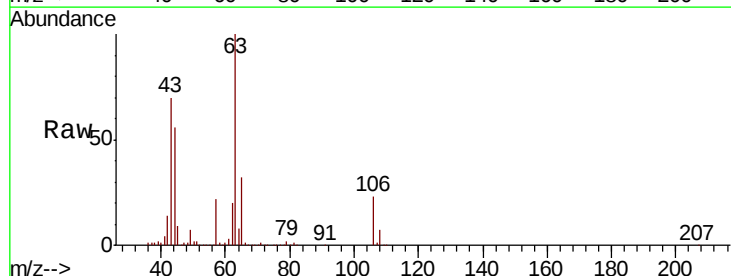
Acq: 03 Dec 2018 20:11

Tgt Ion: 63 Resp: 886032

Ion Ratio Lower Upper

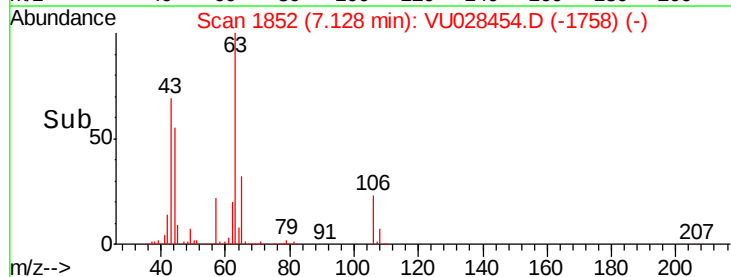
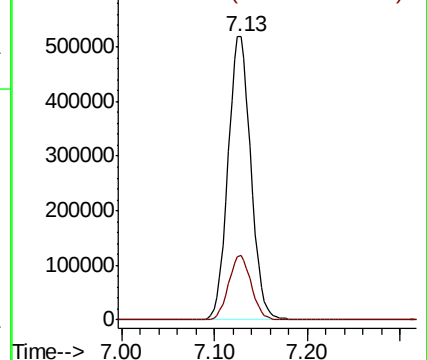
63 100

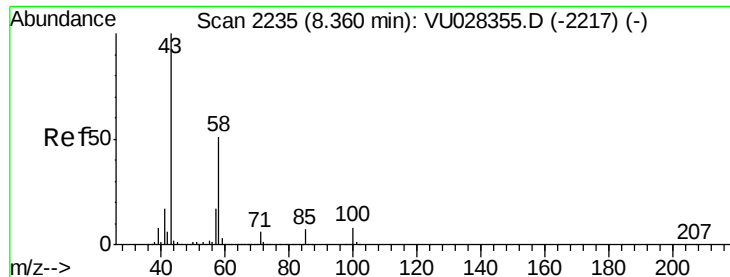
106 22.4 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

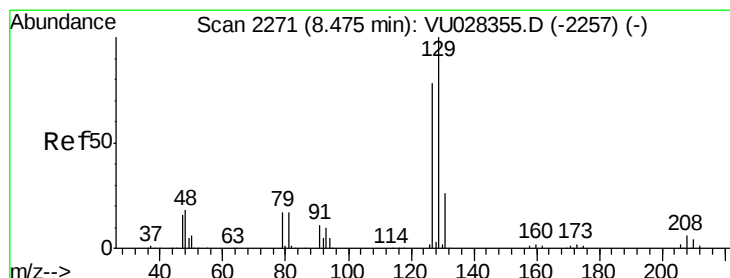
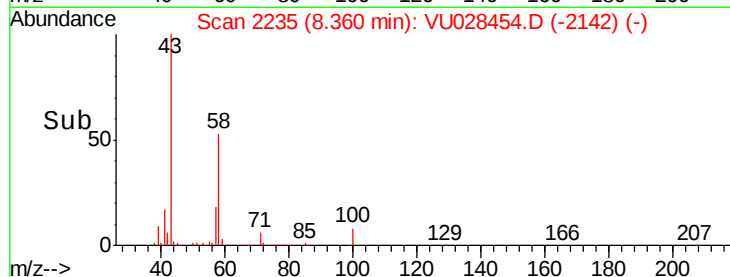
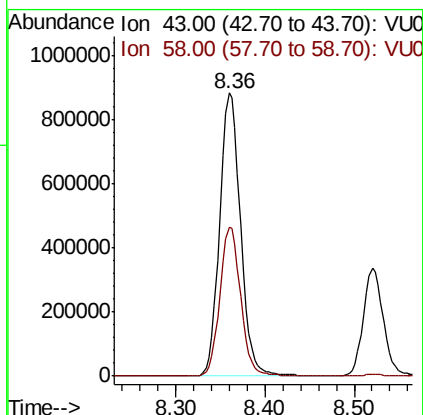
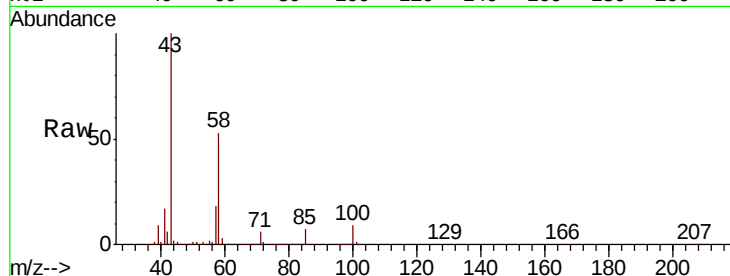




#59
2-Hexanone
Concen: 238.456 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

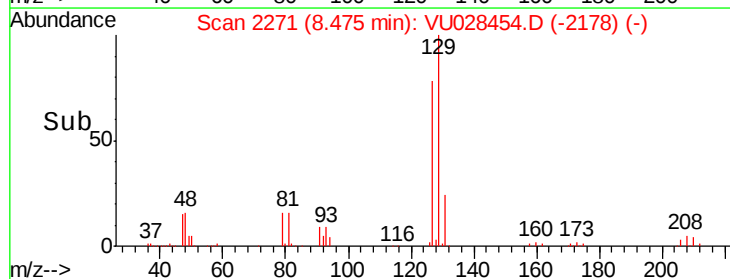
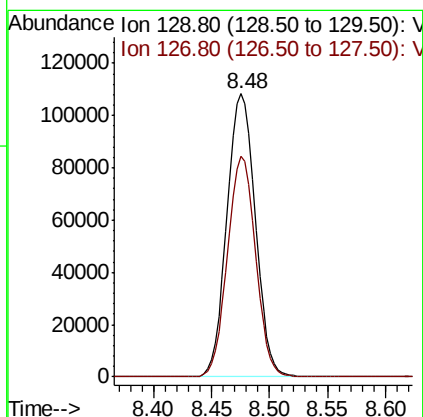
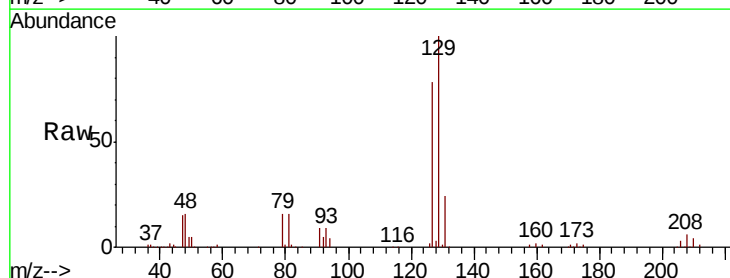
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

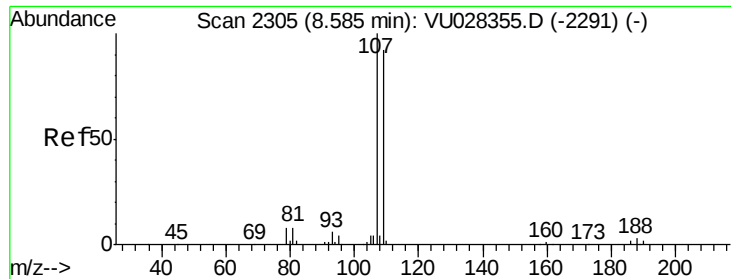
Tot Ion: 43 Resp: 1433939
Ion Ratio Lower Upper
43 100
58 52.5 25.5 76.5



#60
Dibromochloromethane
Concen: 48.332 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 129 Resp: 183649
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.522 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

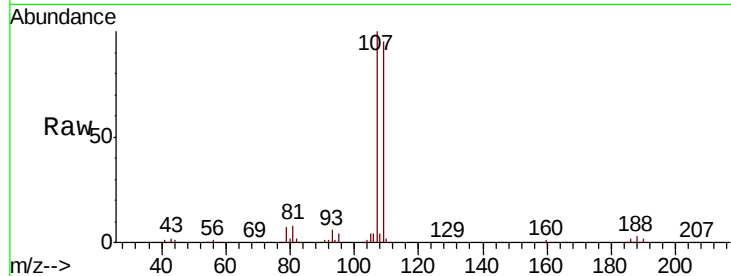
VSTDCCC050EC

Tot Ion:107 Resp: 202640

Ion Ratio Lower Upper

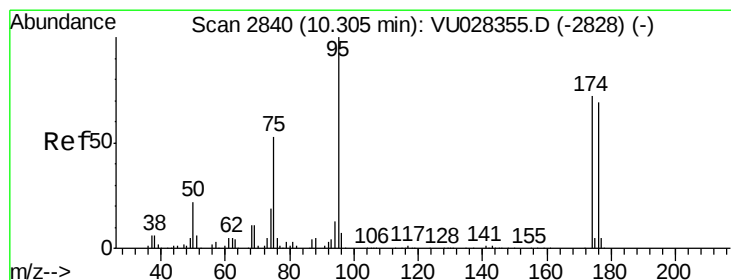
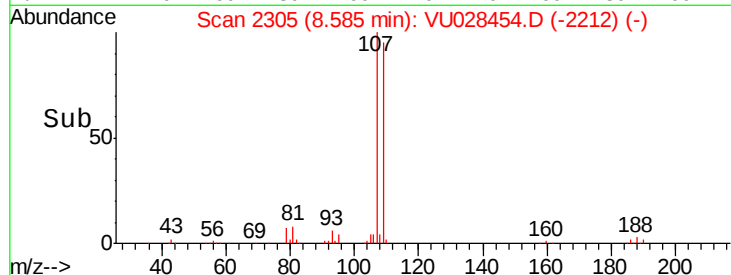
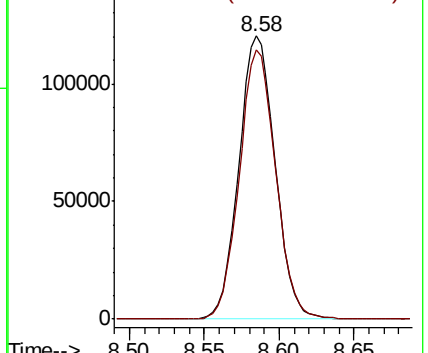
107 100

109 95.5 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.922 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

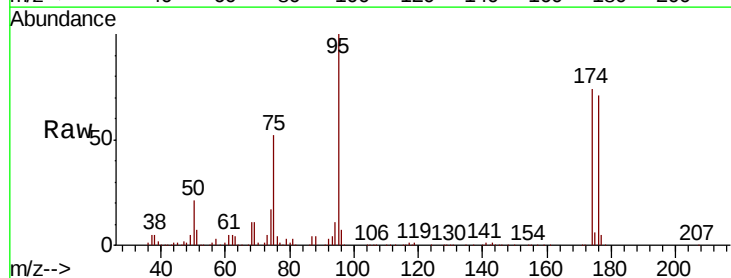
Tgt Ion: 95 Resp: 255988

Ion Ratio Lower Upper

95 100

174 75.3 0.0 145.4

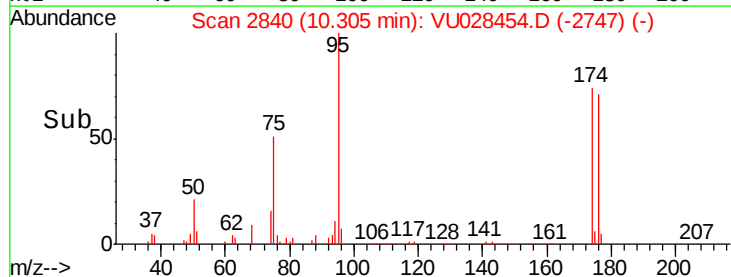
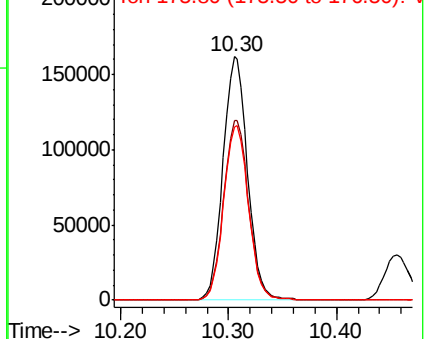
176 72.7 0.0 140.8

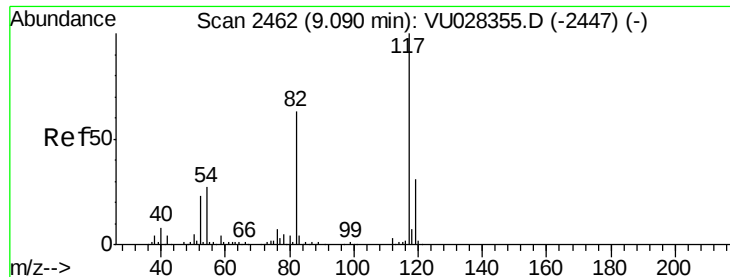


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

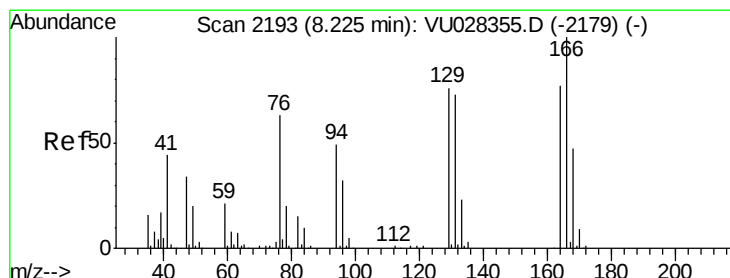
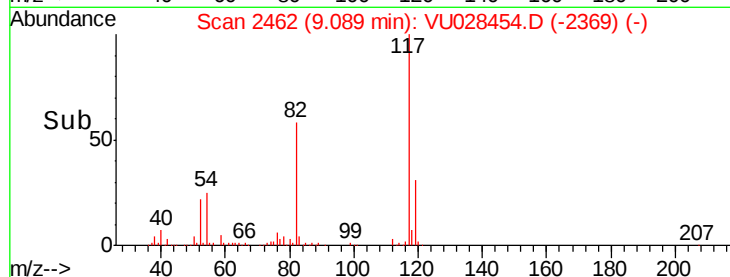
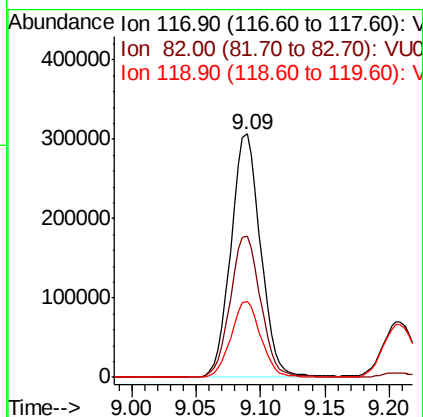
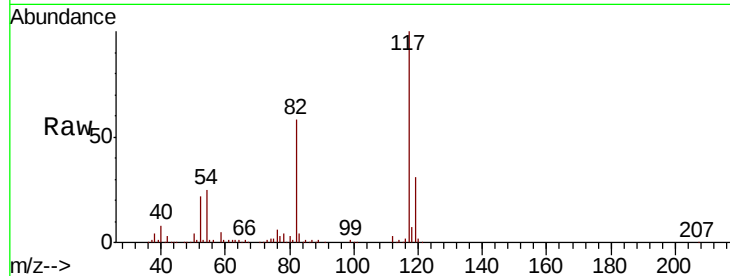




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

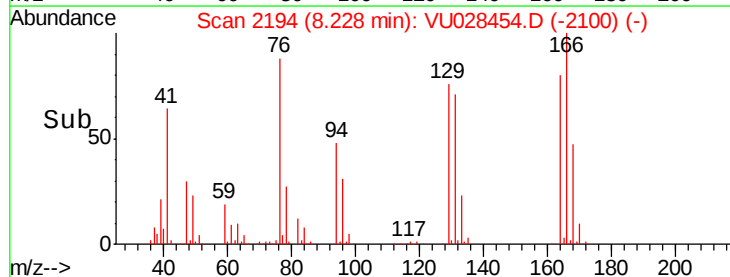
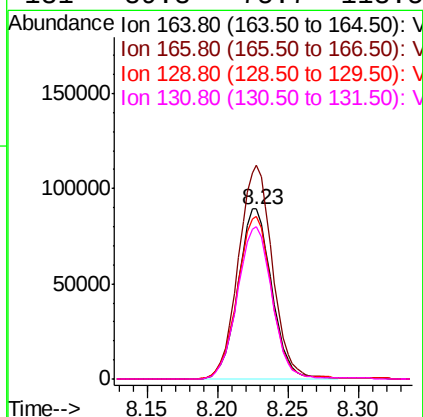
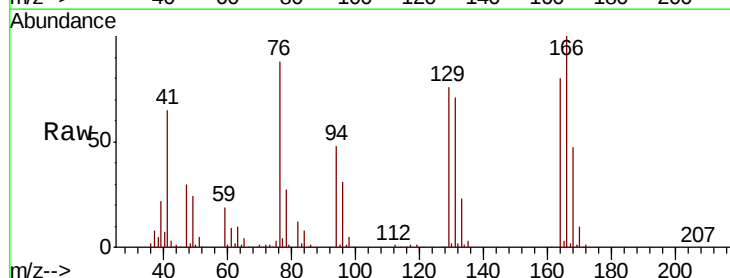
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

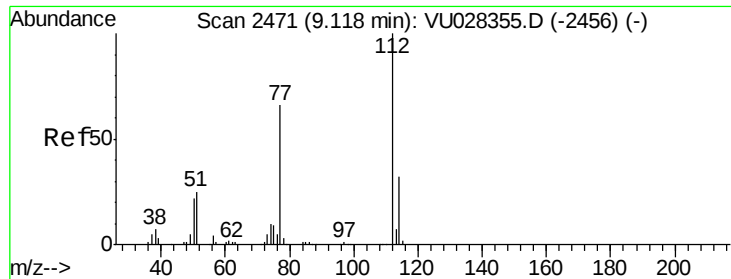
Tot Ion:117 Resp: 491011
Ion Ratio Lower Upper
117 100
82 57.8 50.3 75.5
119 31.3 24.8 37.2



#64
Tetrachloroethene
Concen: 46.473 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:164 Resp: 150099
Ion Ratio Lower Upper
164 100
166 125.5 104.0 156.0
129 95.7 79.2 118.8
131 89.3 75.7 113.5

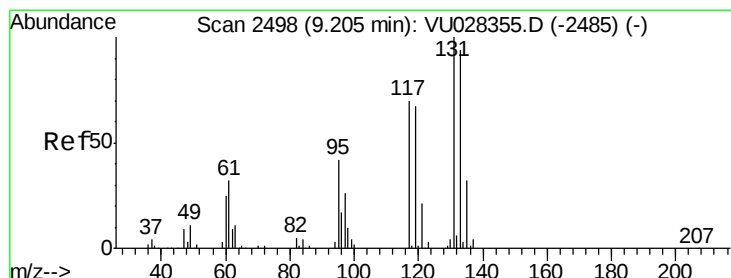
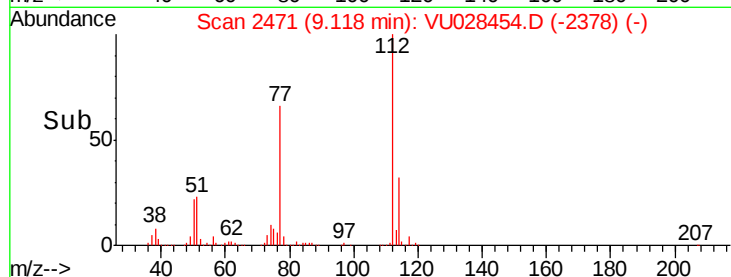
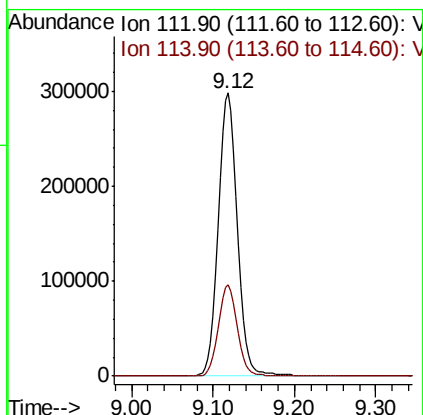
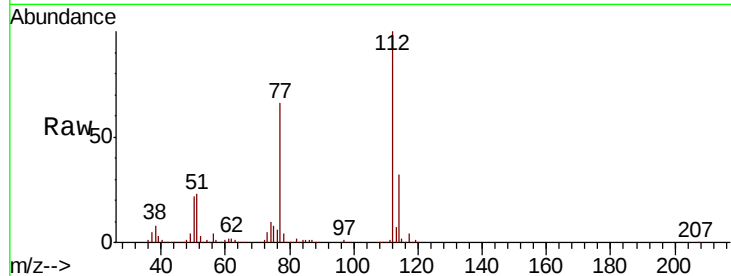




#65
Chlorobenzene
Concen: 48.599 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

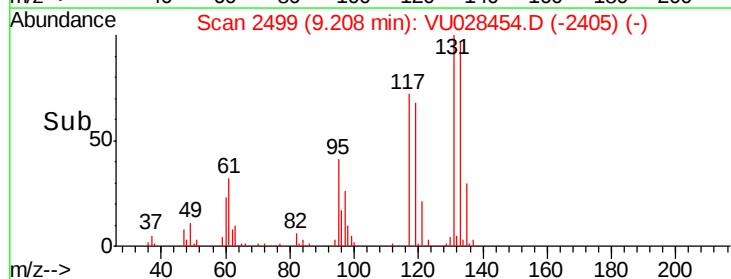
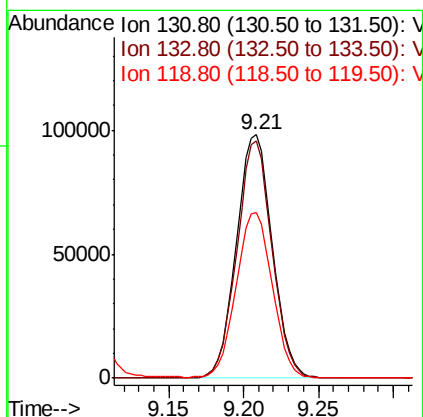
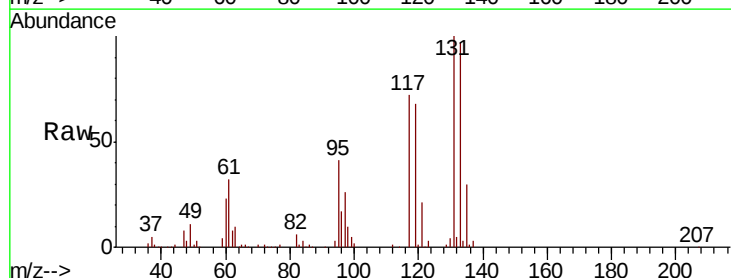
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

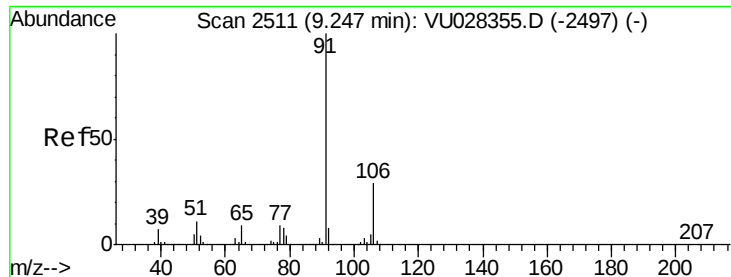
Tot Ion:112 Resp: 495489
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.946 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:131 Resp: 164065
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.8
119 69.0 34.1 102.2

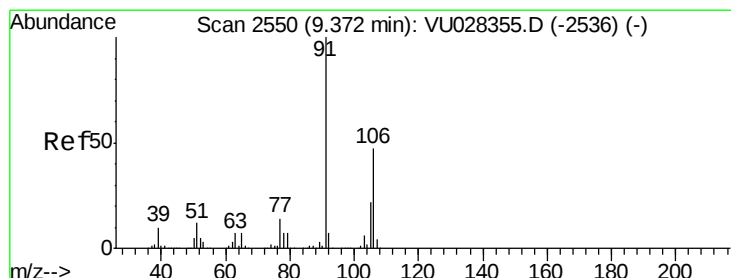
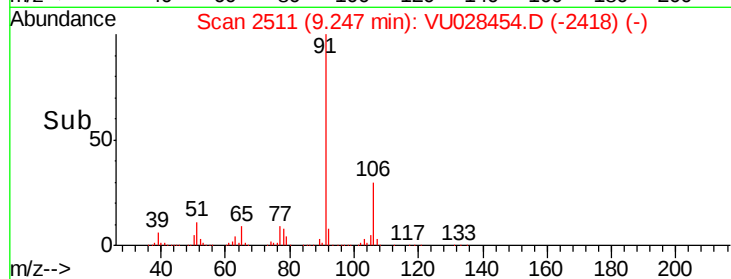
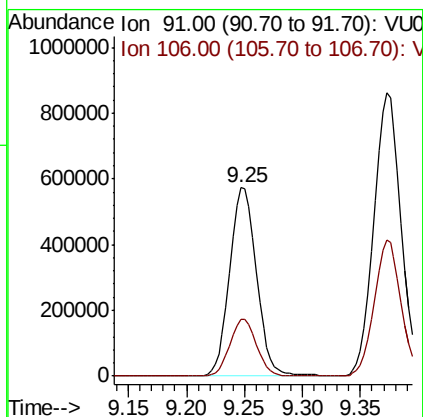
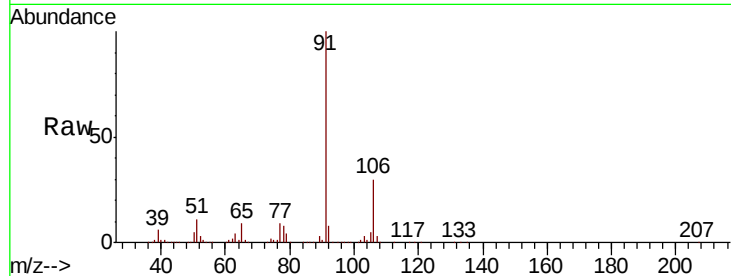




#67
Ethyl Benzene
Concen: 47.730 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

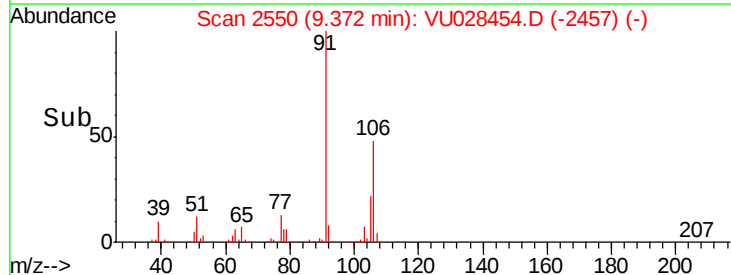
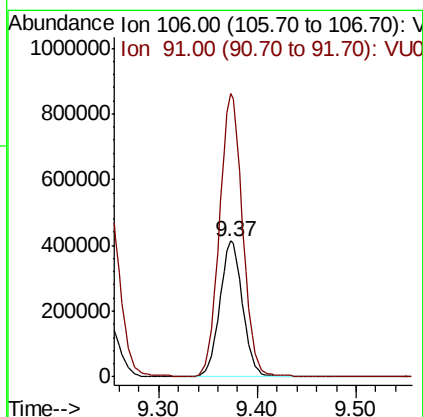
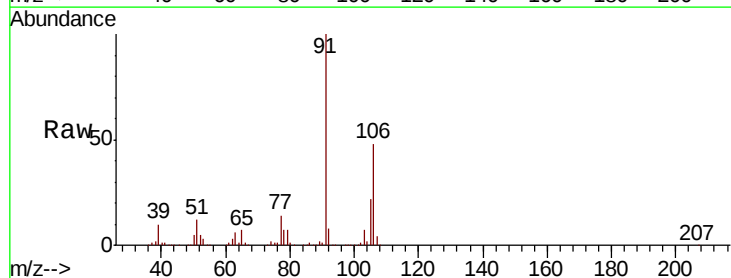
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

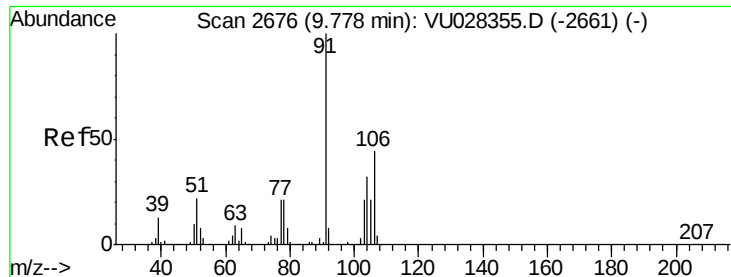
Tot Ion: 91 Resp: 916525
Ion Ratio Lower Upper
91 100
106 30.0 23.3 34.9



#68
m/p-Xylenes
Concen: 97.298 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 106 Resp: 672483
Ion Ratio Lower Upper
106 100
91 211.0 171.0 256.6

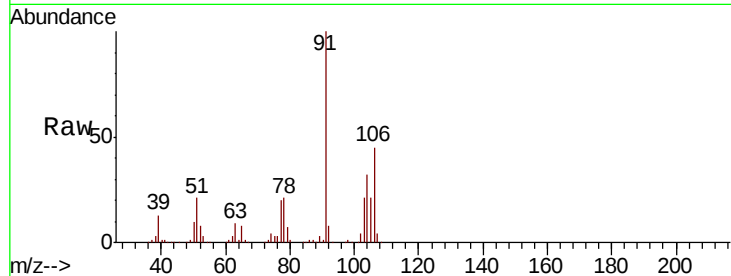




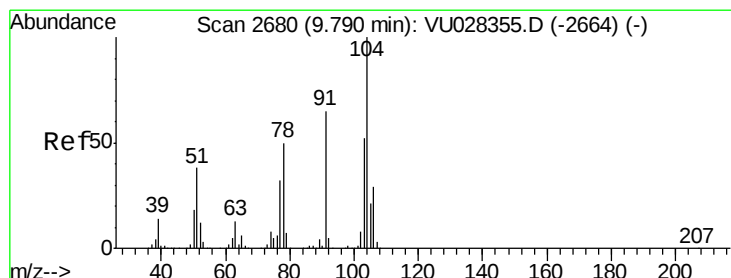
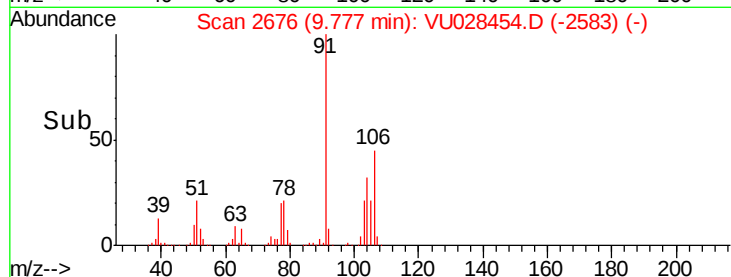
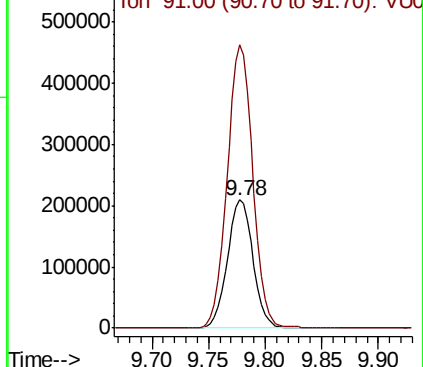
#69
o-Xylene
Concen: 47.948 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 329440
Ion Ratio Lower Upper
106 100
91 220.7 112.7 338.0

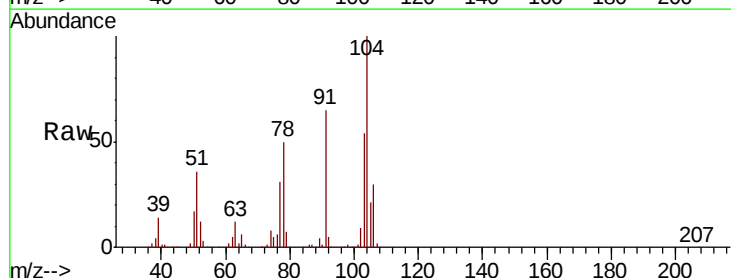


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

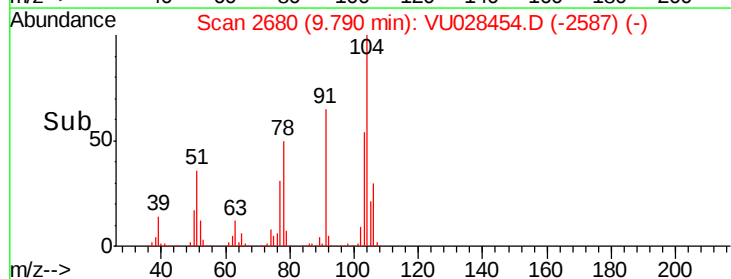
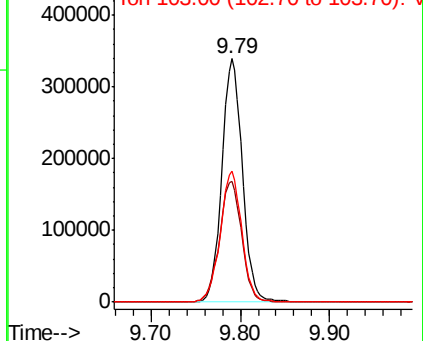


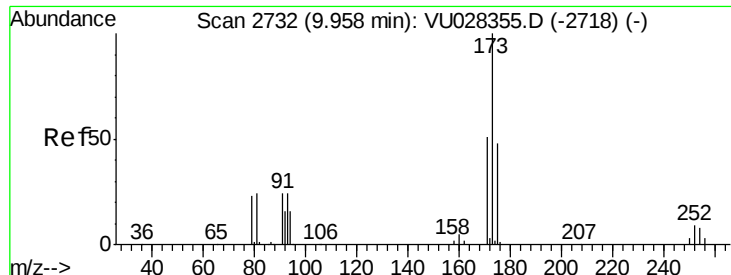
#70
Styrene
Concen: 48.785 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:104 Resp: 540593
Ion Ratio Lower Upper
104 100
78 54.1 43.3 64.9
103 56.4 44.8 67.2



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





#71

Bromoform

Concen: 46.090 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

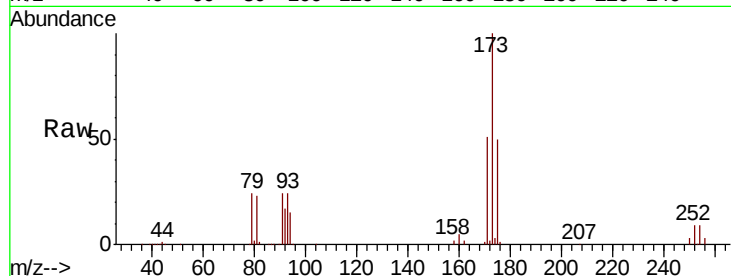
Tot Ion:173 Resp: 135385

Ion Ratio Lower Upper

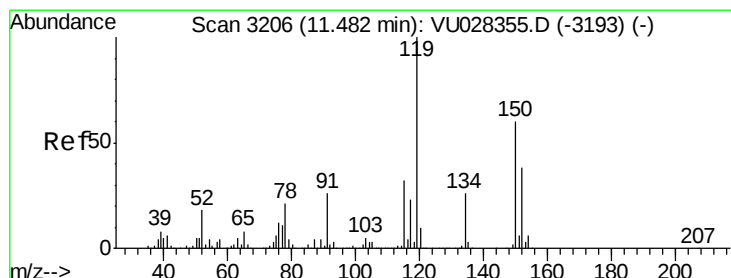
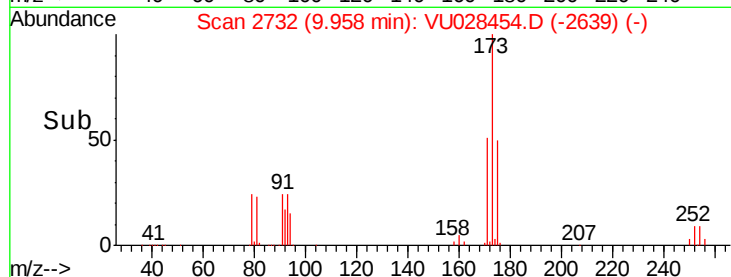
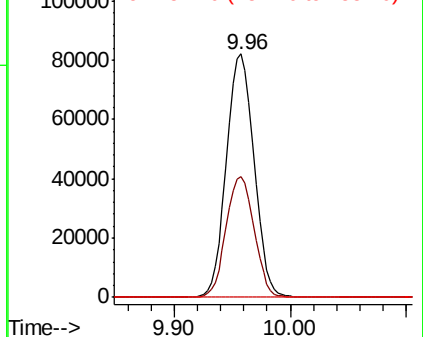
173 100

175 50.3 24.1 72.4

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

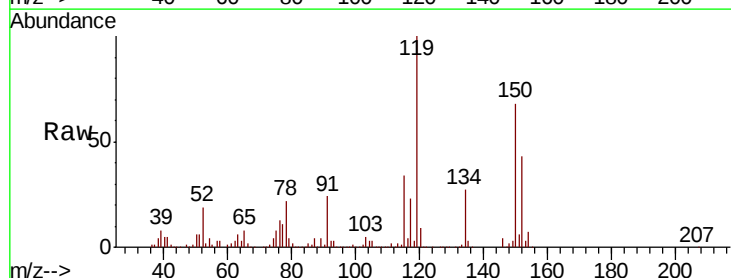
Tgt Ion:152 Resp: 245831

Ion Ratio Lower Upper

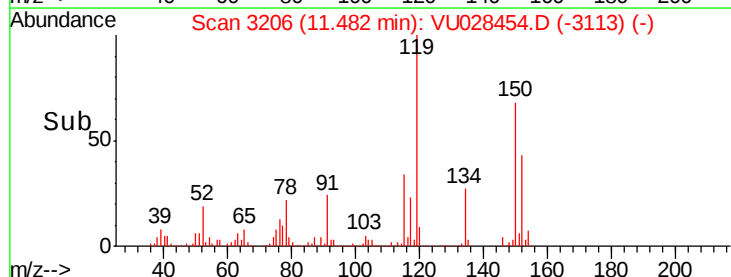
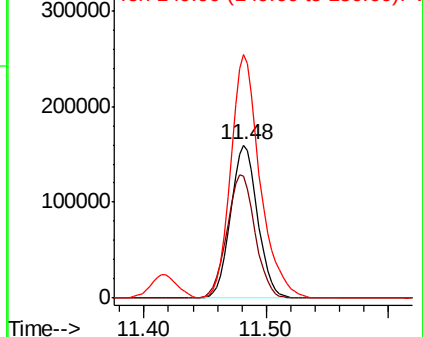
152 100

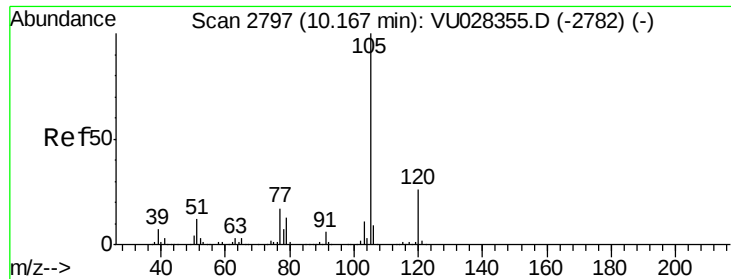
115 84.3 45.0 134.8

150 171.8 0.0 349.2



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

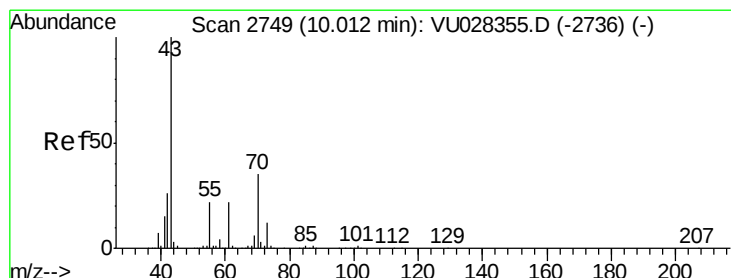
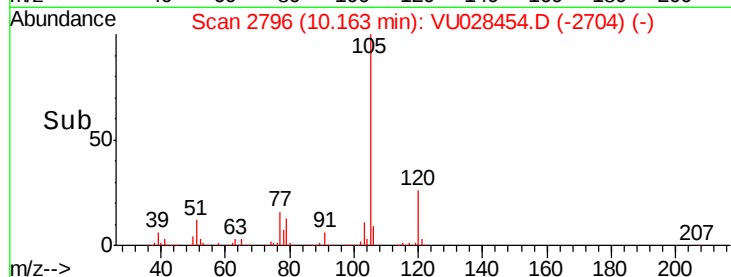
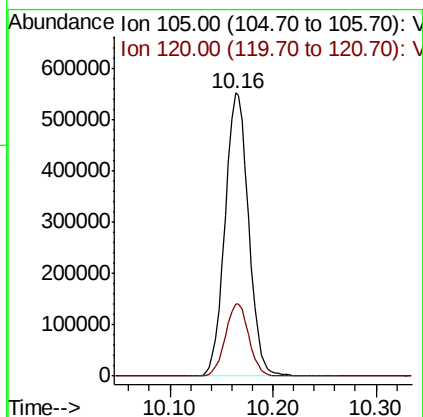
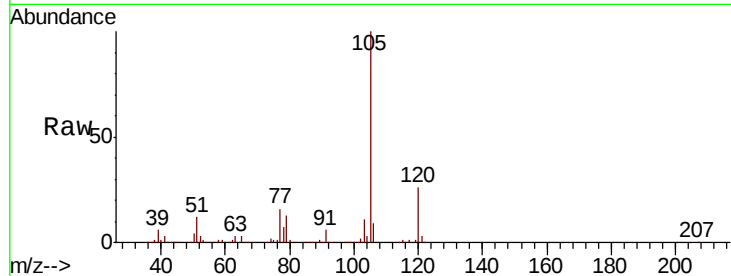




#73
Isopropylbenzene
Concen: 45.950 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

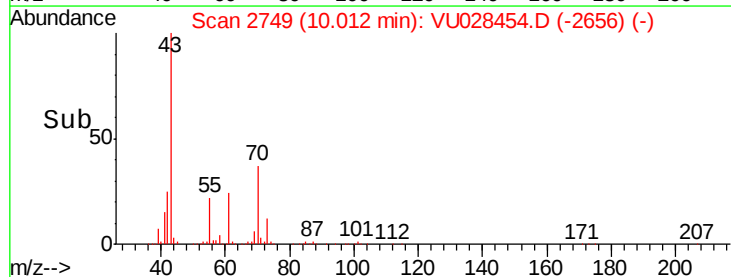
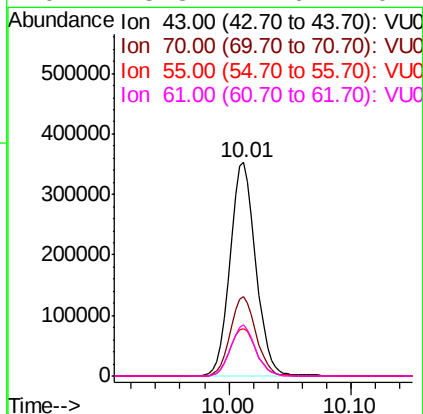
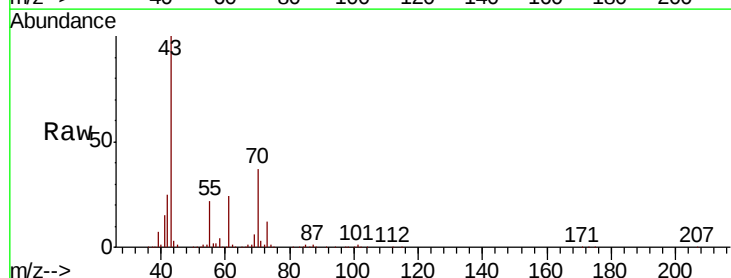
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

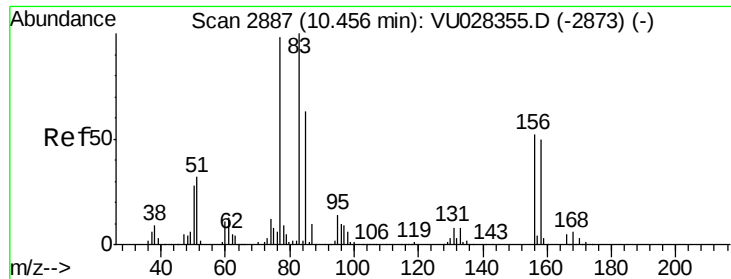
Tot Ion:105 Resp: 878555
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3



#74
N-ethyl acetate
Concen: 43.283 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 43 Resp: 518494
Ion Ratio Lower Upper
43 100
70 37.3 28.4 42.6
55 23.0 18.0 27.0
61 23.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.369 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

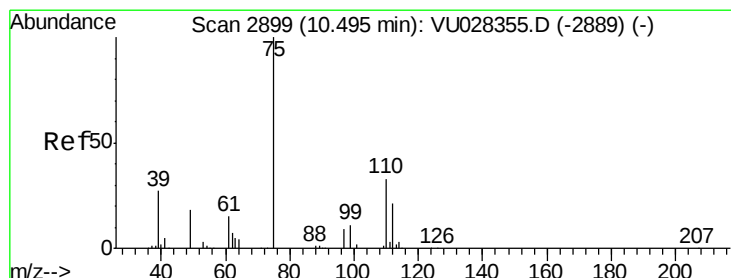
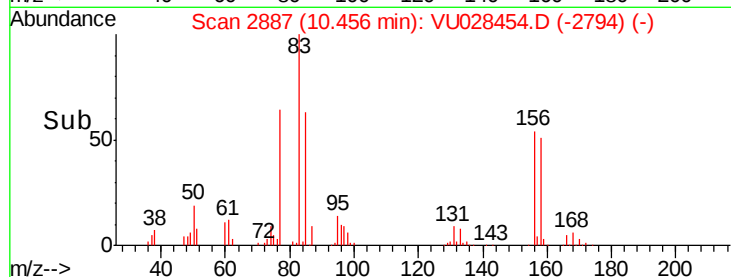
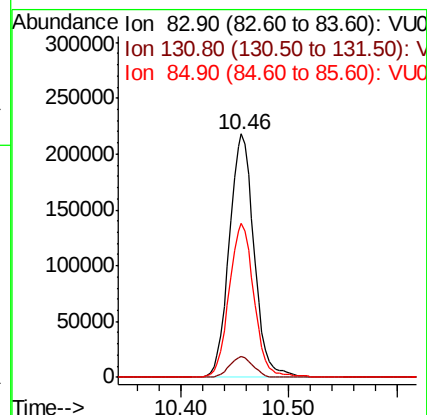
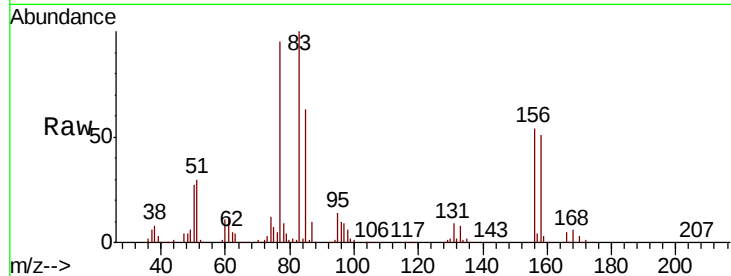
Tot Ion: 83 Resp: 348852

Ion Ratio Lower Upper

83 100

131 8.2 4.0 12.2

85 63.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 61.413 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028454.D

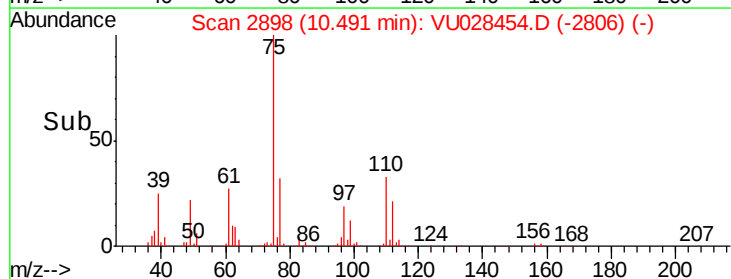
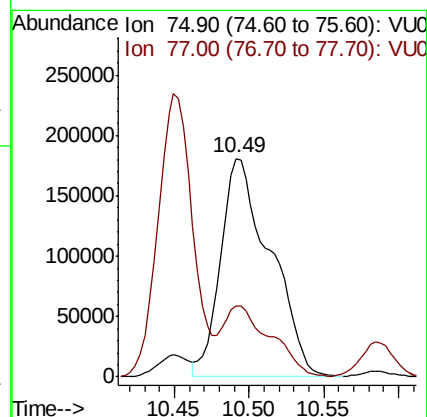
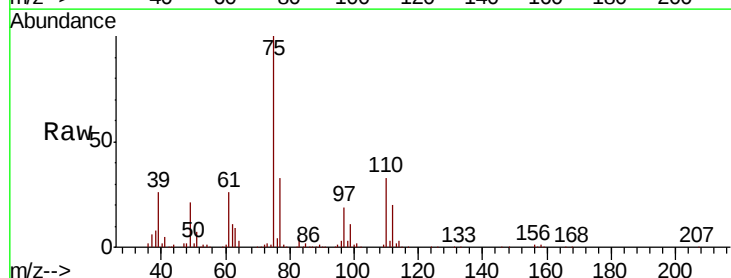
Acq: 03 Dec 2018 20:11

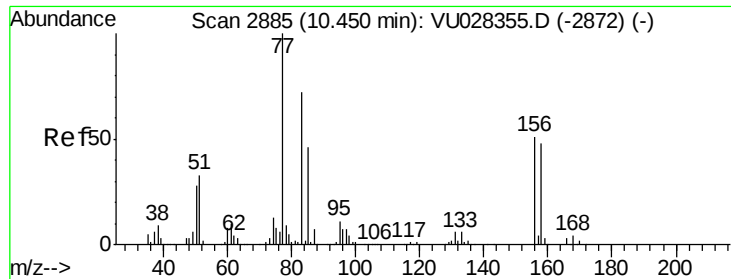
Tgt Ion: 75 Resp: 418660

Ion Ratio Lower Upper

75 100

77 30.5 22.4 67.0





#77

Bromobenzene

Concen: 45.614 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

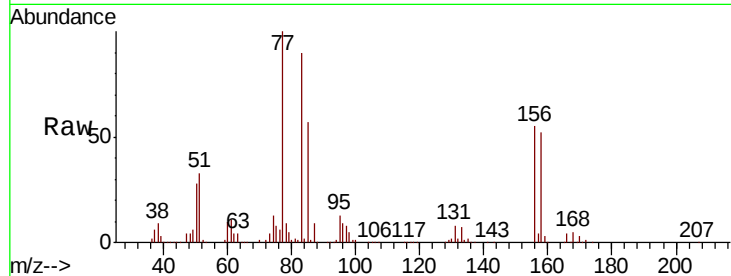
Tot Ion:156 Resp: 205499

Ion Ratio Lower Upper

156 100

77 183.0 97.0 290.9

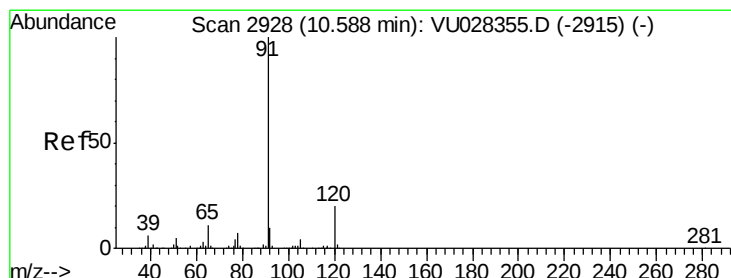
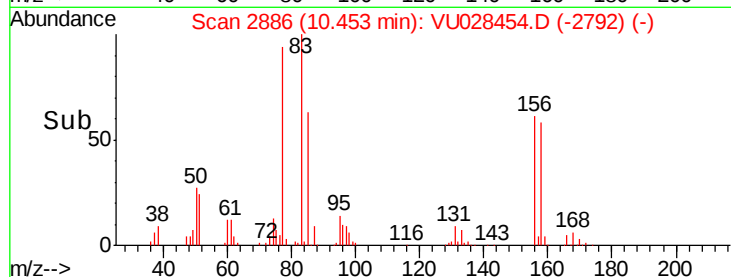
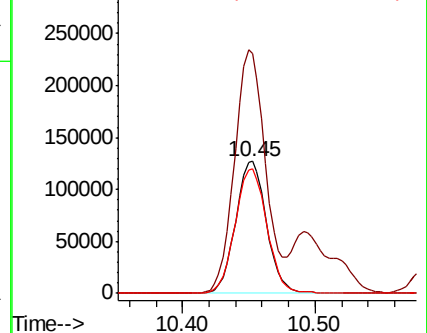
158 96.9 46.8 140.4



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: 46.194 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028454.D

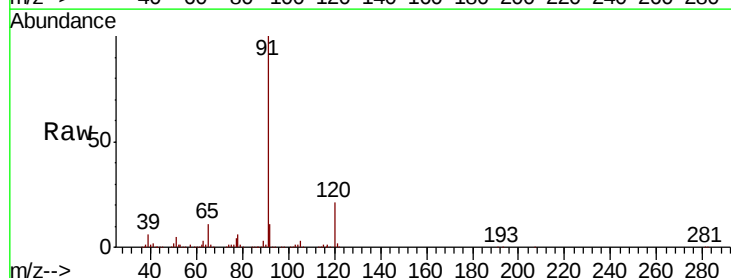
Acq: 03 Dec 2018 20:11

Tgt Ion: 91 Resp: 1089560

Ion Ratio Lower Upper

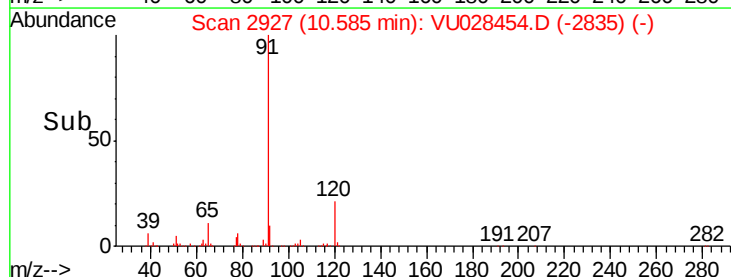
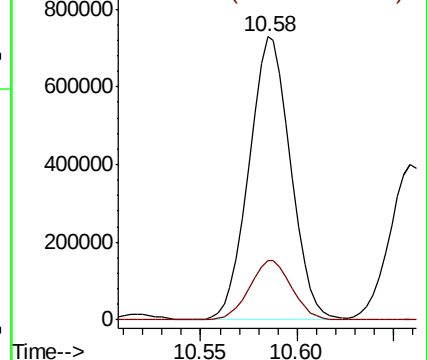
91 100

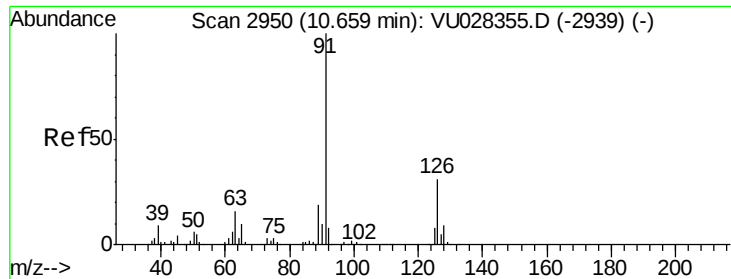
120 21.2 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.178 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

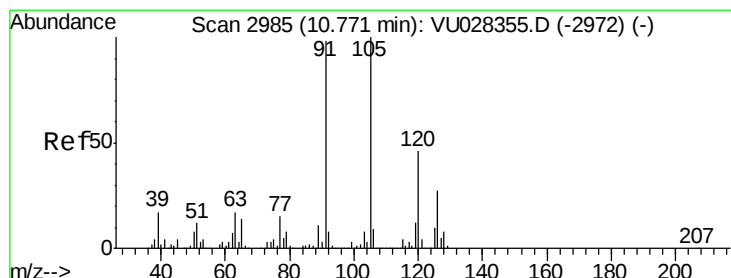
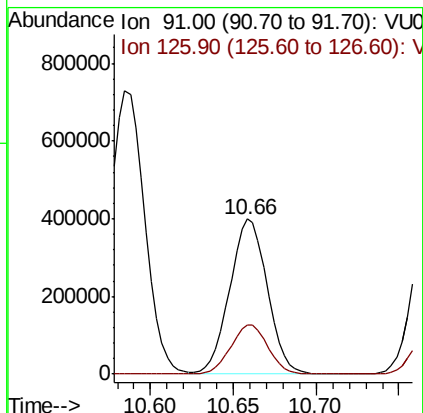
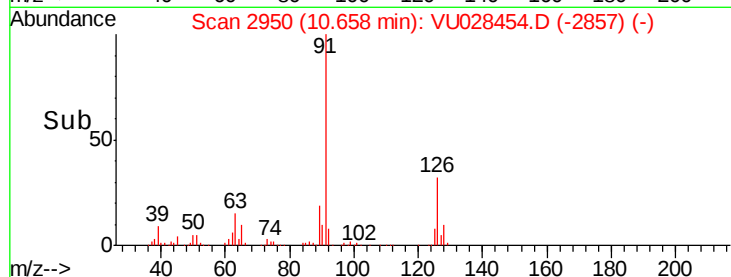
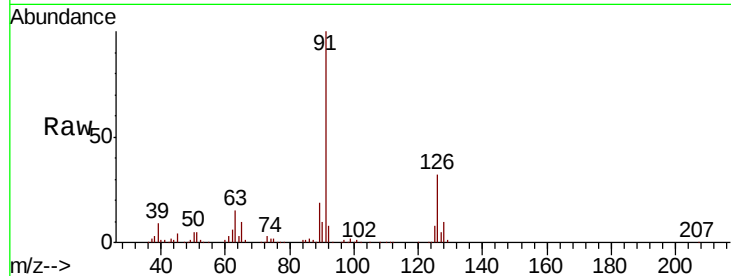
VSTDCCC050EC

Tot Ion: 91 Resp: 628170

Ion Ratio Lower Upper

91 100

126 31.7 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 45.977 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028454.D

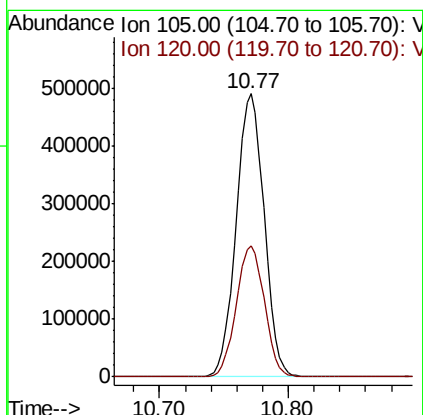
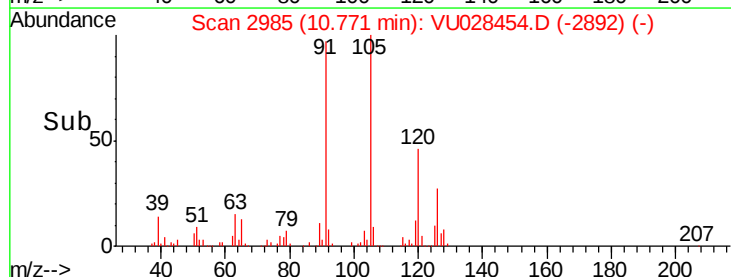
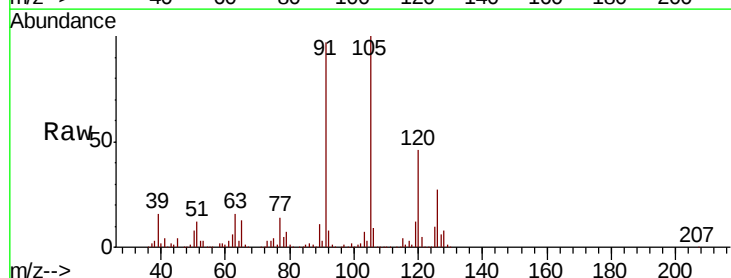
Acq: 03 Dec 2018 20:11

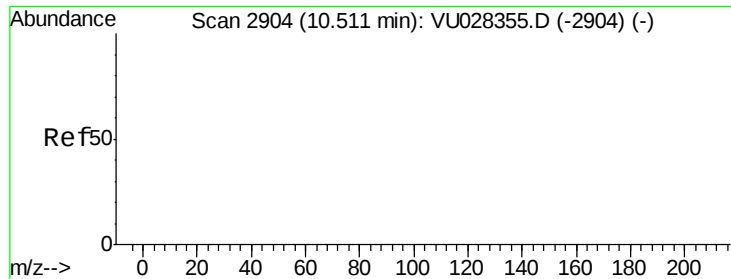
Tgt Ion: 105 Resp: 740787

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.0

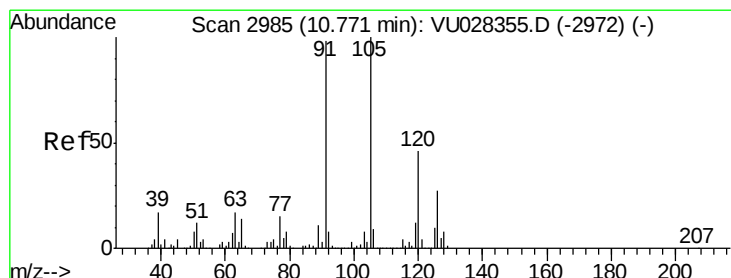
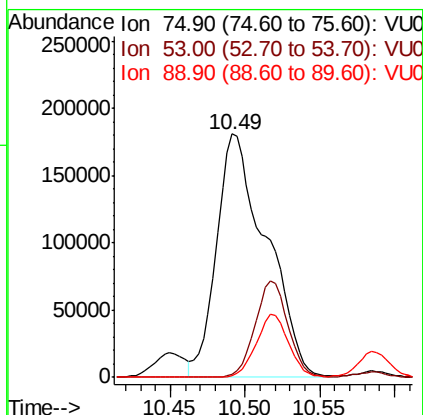
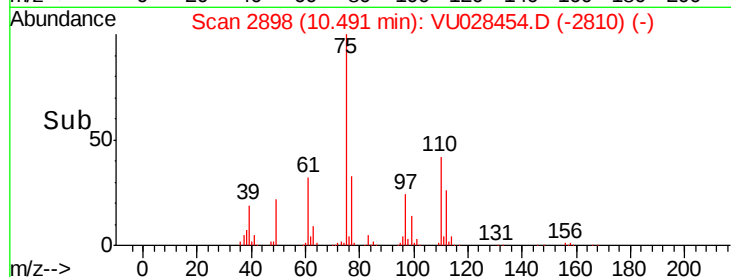
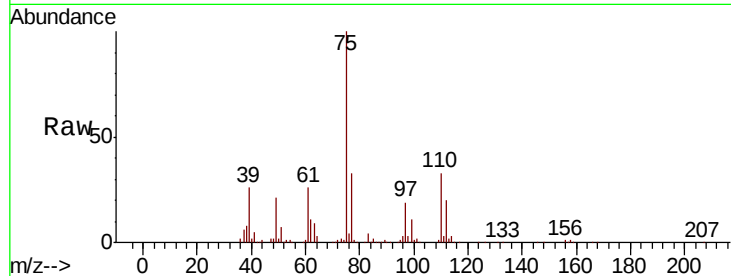




#81
trans-1,4-Dichloro-2-butene
Concen: 163.021 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

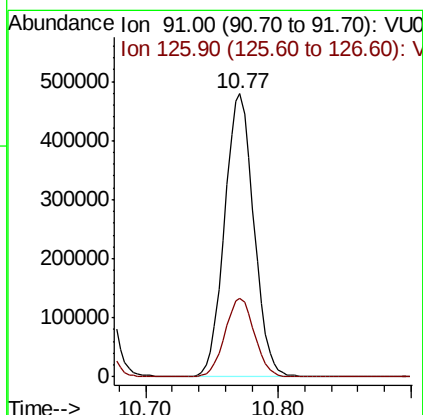
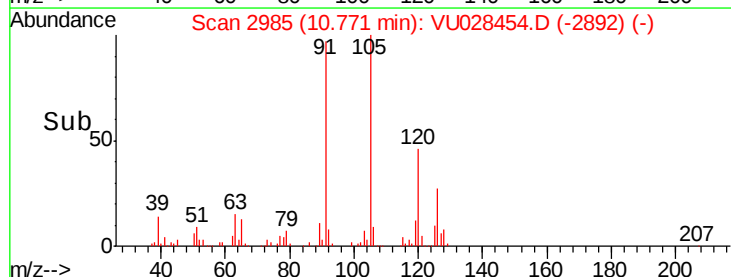
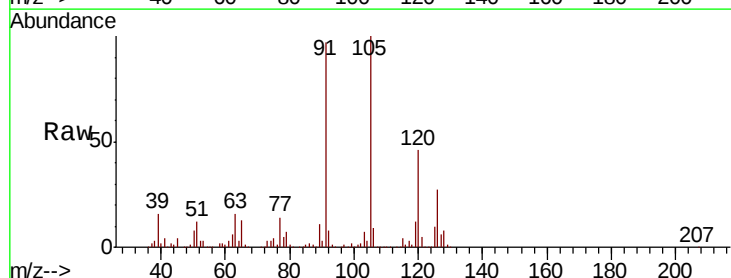
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

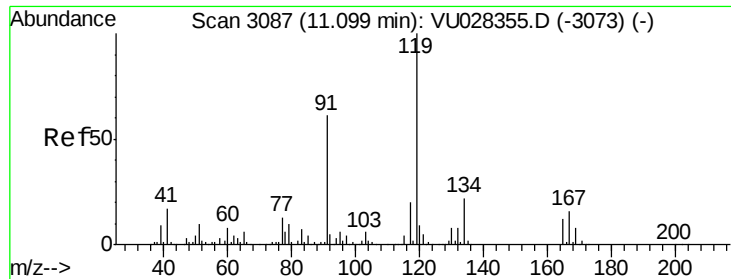
Tot Ion: 75 Resp: 418660
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 45.725 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 91 Resp: 732517
Ion Ratio Lower Upper
91 100
126 28.1 13.9 41.6

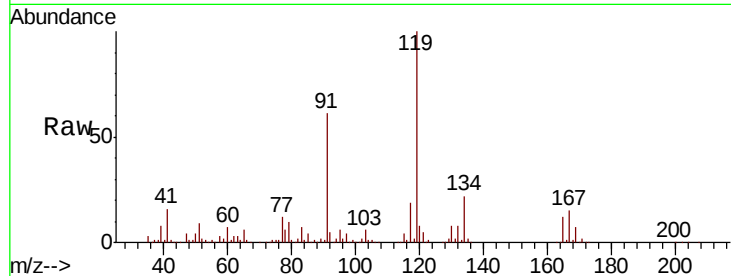




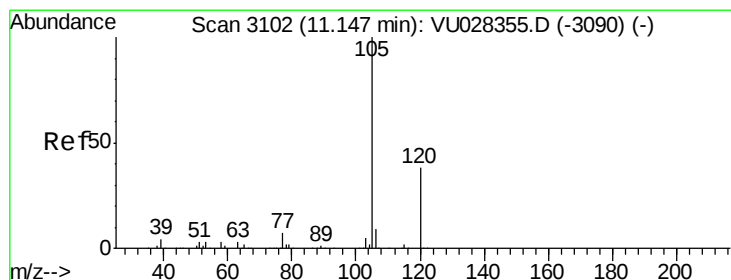
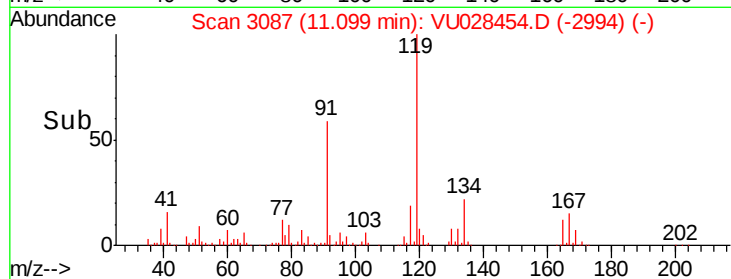
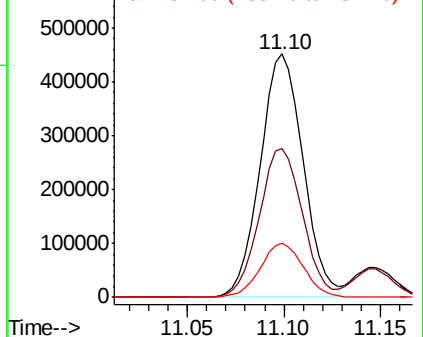
#83
tert-Butylbenzene
Concen: 46.339 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 695996
Ion Ratio Lower Upper
119 100
91 62.1 30.8 92.4
134 22.4 11.1 33.1

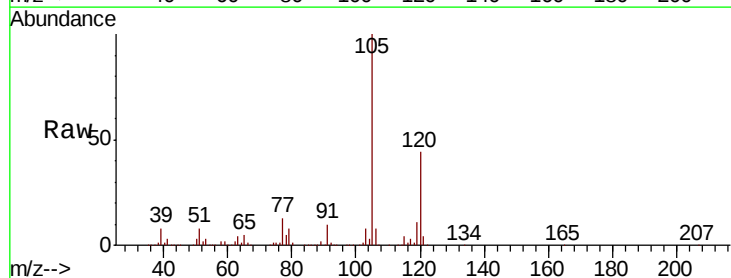


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

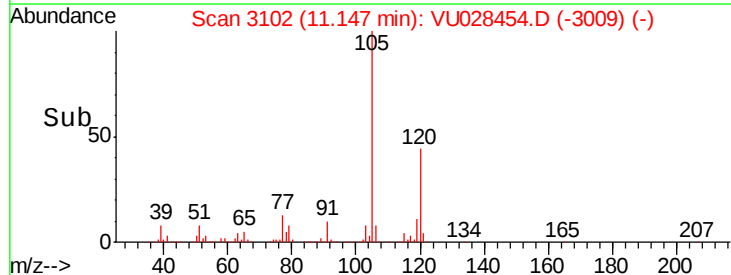
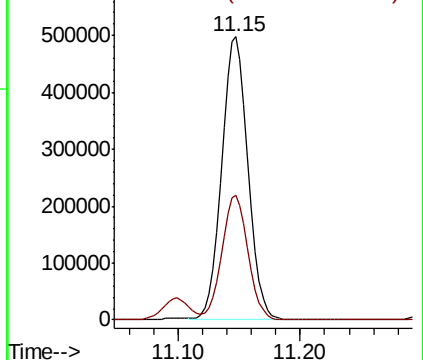


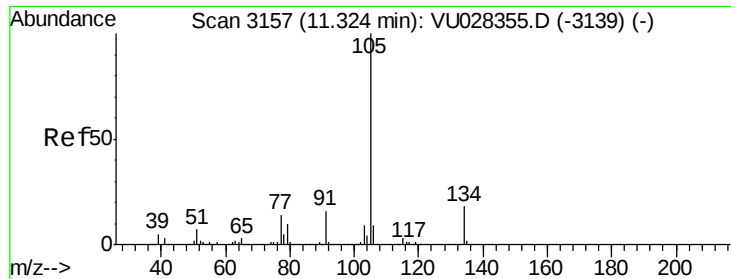
#84
1,2,4-Trimethylbenzene
Concen: 46.010 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion:105 Resp: 750857
Ion Ratio Lower Upper
105 100
120 43.9 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.535 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

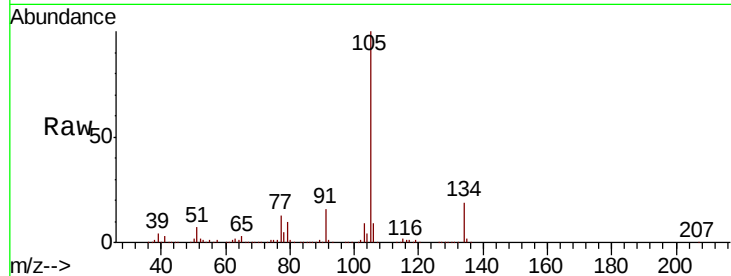
VSTDCCC050EC

Tot Ion:105 Resp: 907805

Ion Ratio Lower Upper

105 100

134 18.6 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

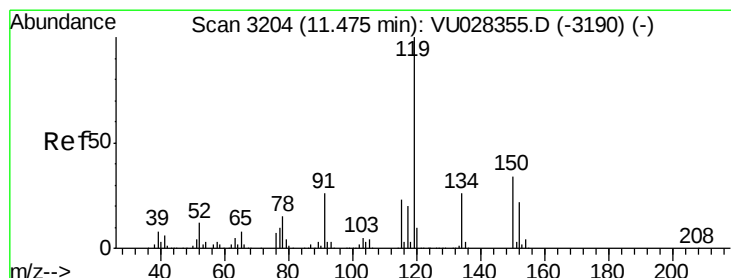
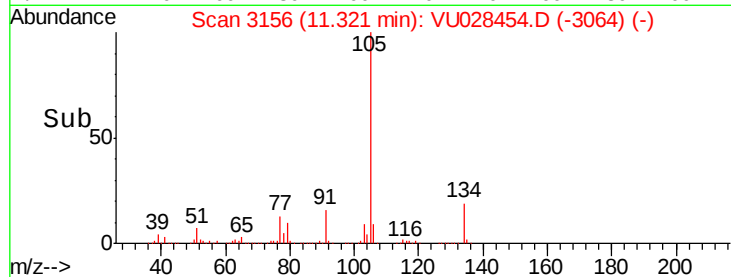
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.417 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

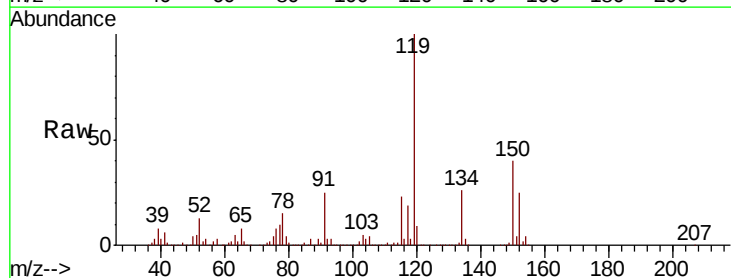
Tgt Ion:119 Resp: 760590

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 24.6 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

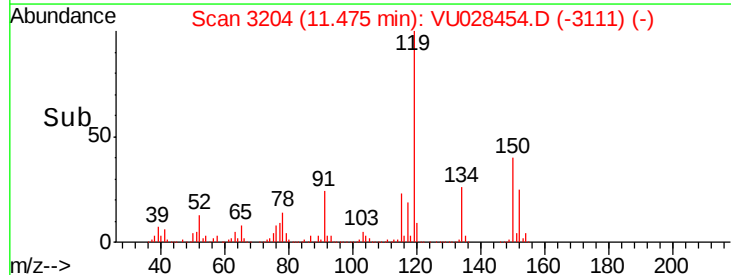
600000

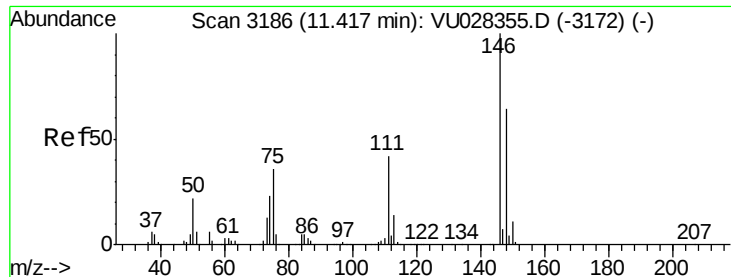
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.333 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

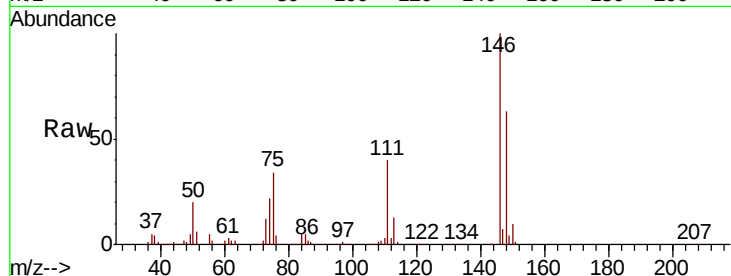
Tot Ion:146 Resp: 380713

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

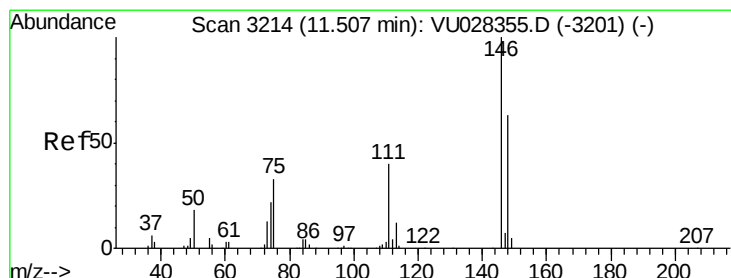
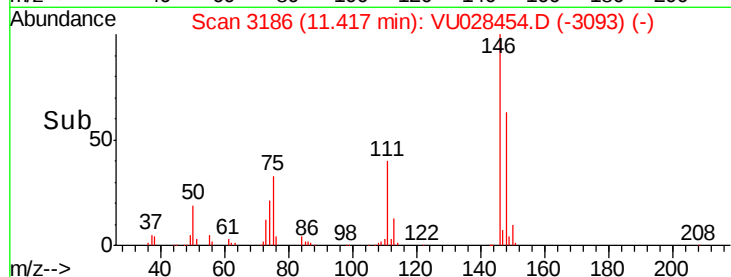
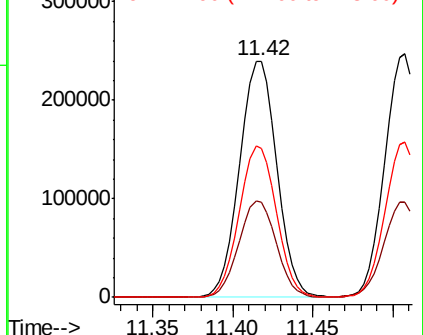
148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.709 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

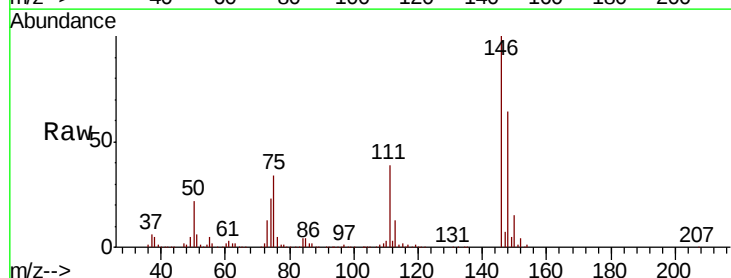
Tgt Ion:146 Resp: 386258

Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.9

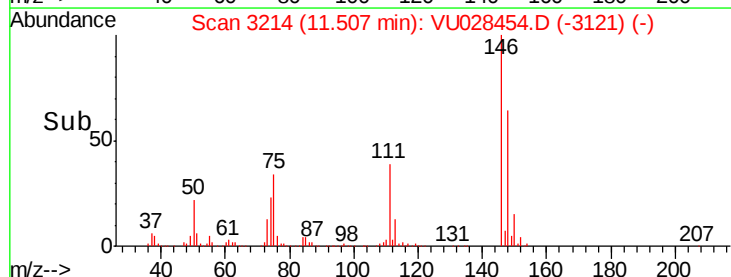
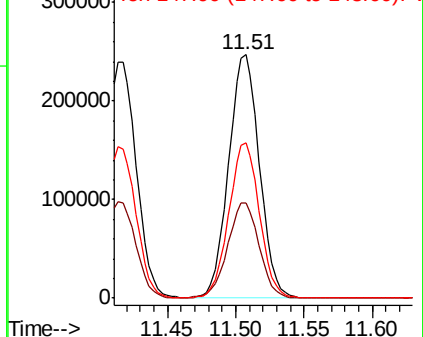
148 63.3 31.1 93.5

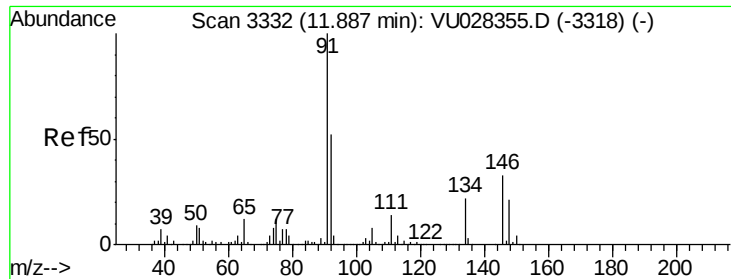


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

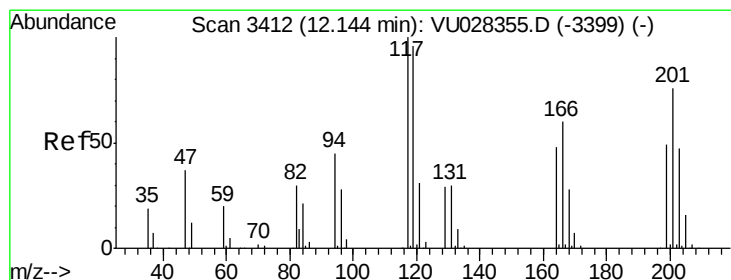
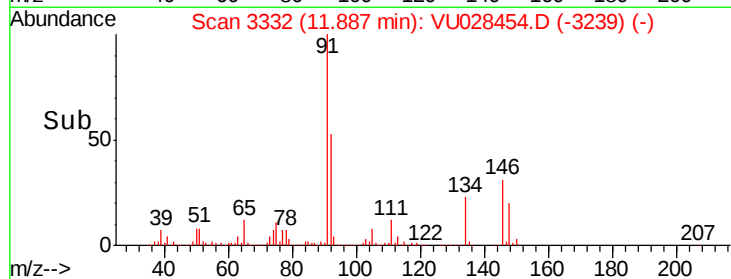
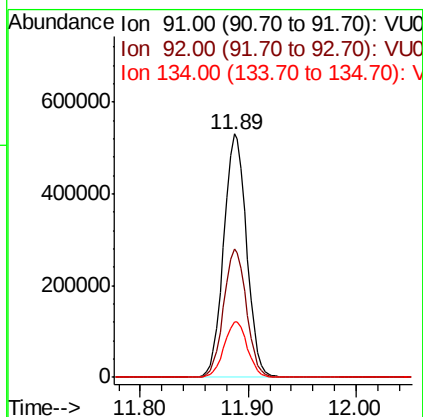
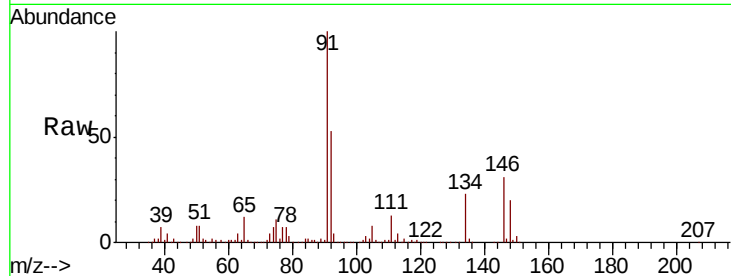




#89
n-Butylbenzene
Concen: 49.429 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

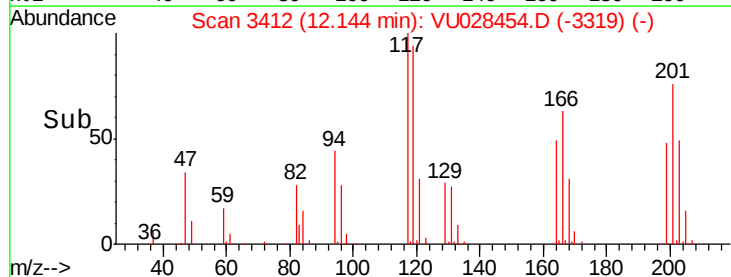
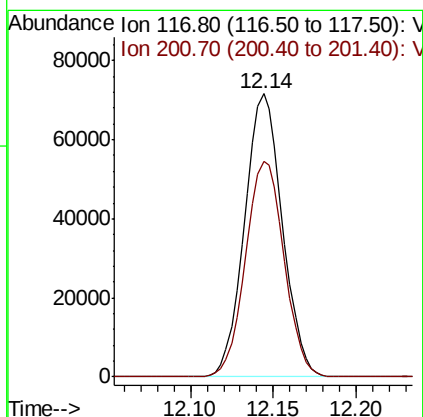
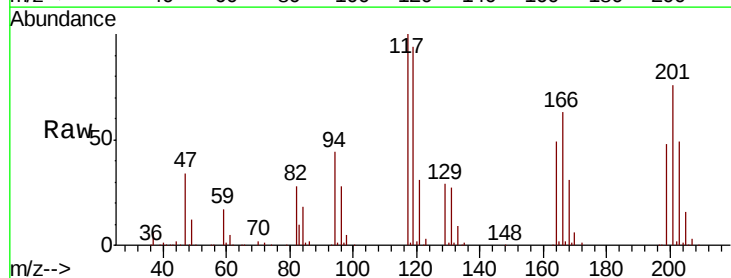
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

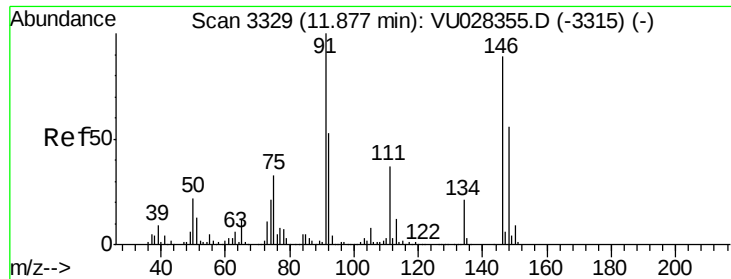
Tot Ion: 91 Resp: 782515
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 23.1 11.1 33.1



#90
Hexachloroethane
Concen: 45.179 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028454.D
Acq: 03 Dec 2018 20:11

Tgt Ion: 117 Resp: 113140
Ion Ratio Lower Upper
117 100
201 77.8 37.7 113.1

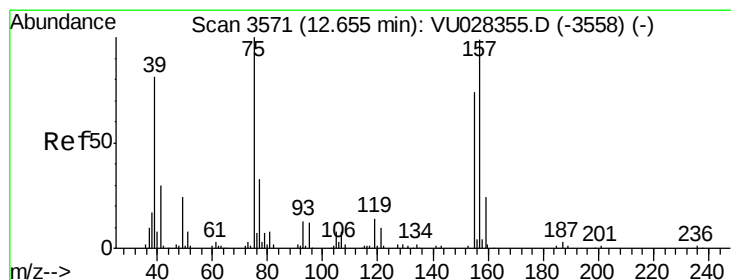
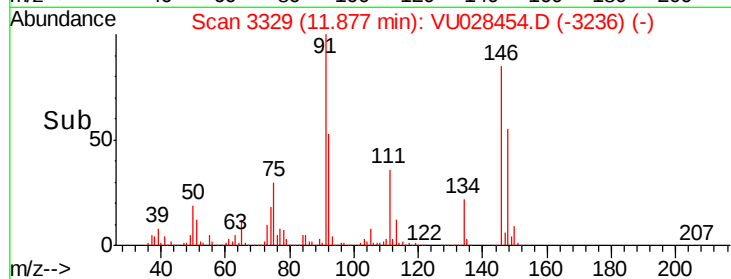
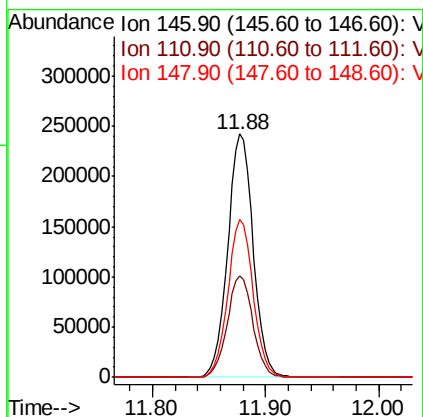
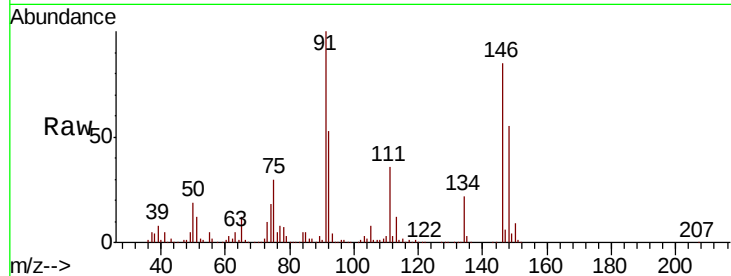




#91
 1,2-Dichlorobenzene
 Concen: 46.191 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

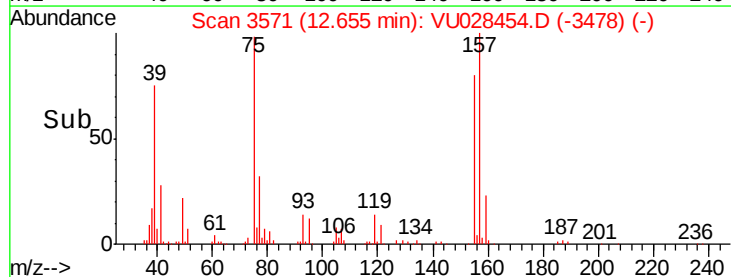
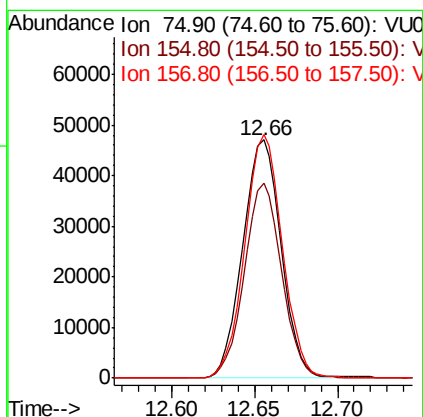
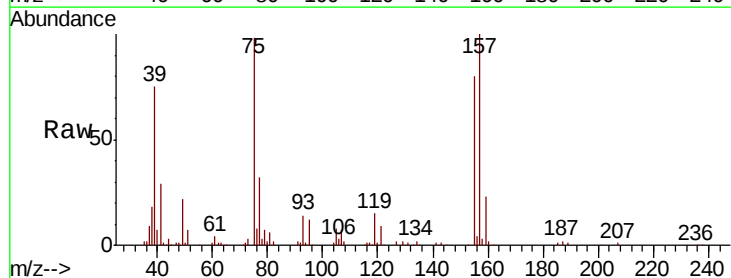
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

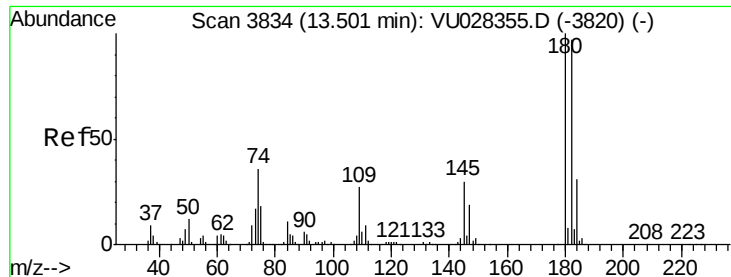
Tot Ion:146 Resp: 378681
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.4 64.3
 148 64.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.400 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion: 75 Resp: 75901
 Ion Ratio Lower Upper
 75 100
 155 79.5 36.9 110.7
 157 100.1 47.5 142.5

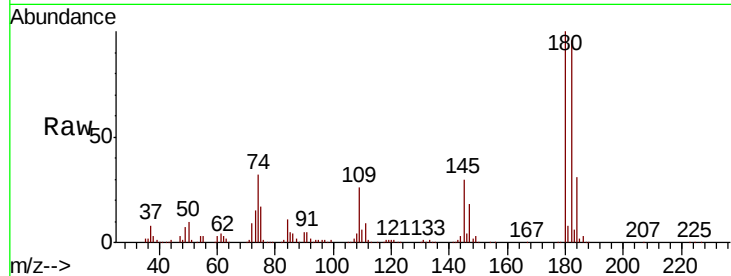




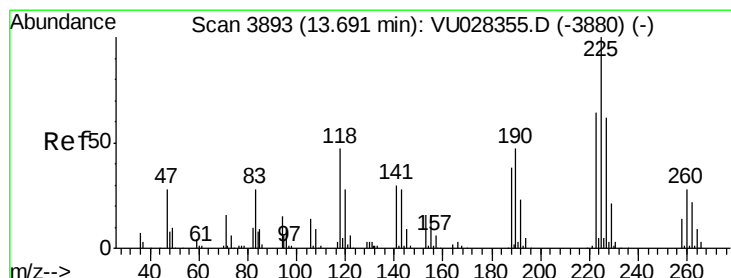
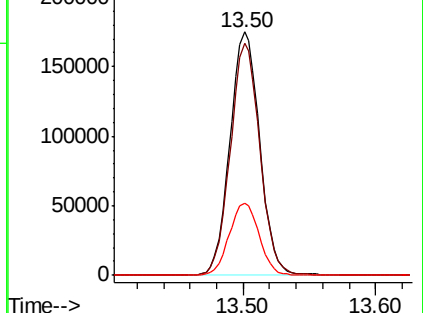
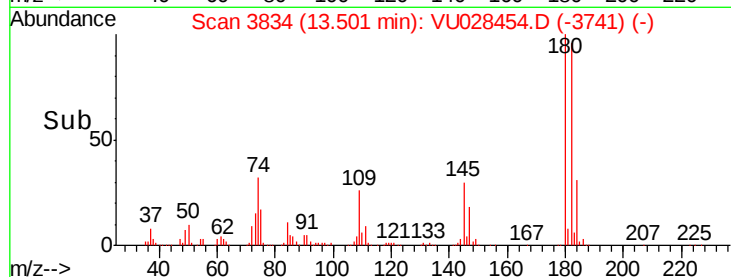
#93
 1,2,4-Trichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 273078
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.3 144.9
 145 29.9 15.2 45.5

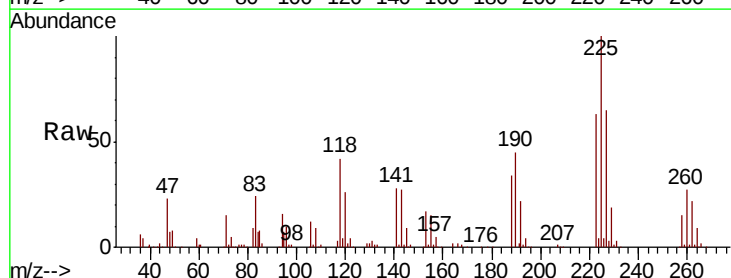


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

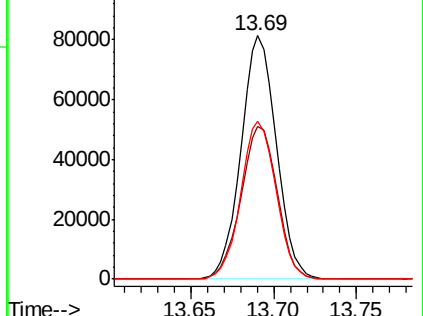
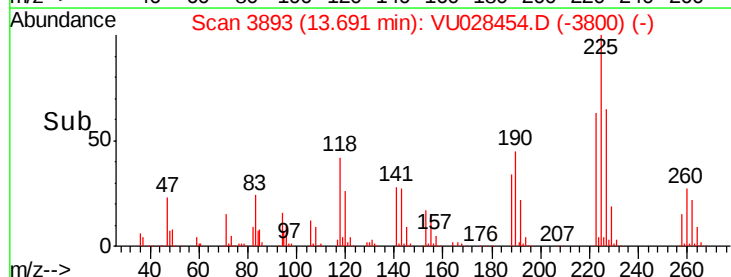


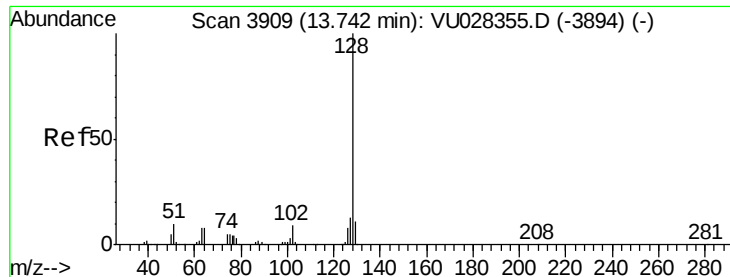
#94
 Hexachlorobutadiene
 Concen: 47.675 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028454.D
 Acq: 03 Dec 2018 20:11

Tgt Ion:225 Resp: 120803
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.6 94.7
 227 64.6 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.206 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

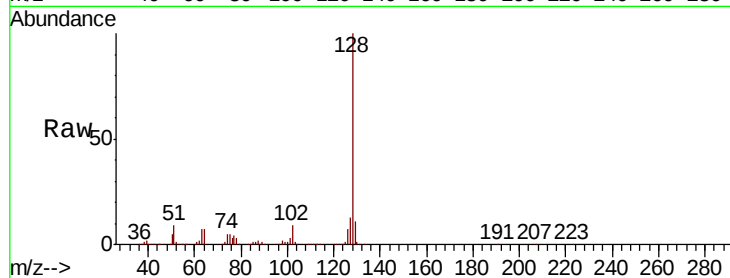
Tot Ion:128 Resp: 951276

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

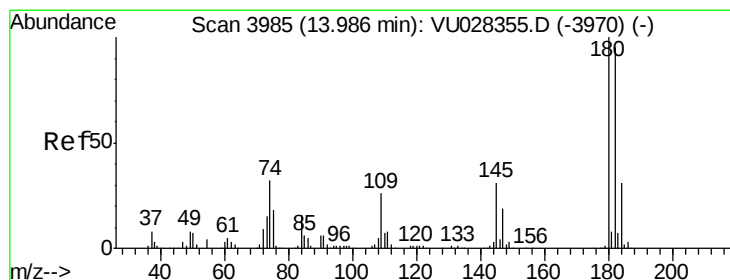
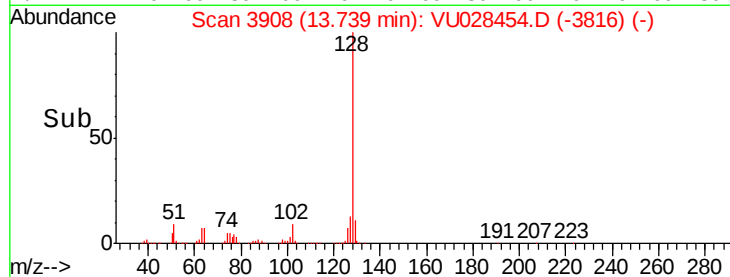
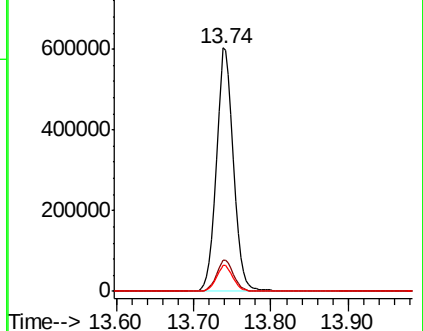
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.095 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028454.D

Acq: 03 Dec 2018 20:11

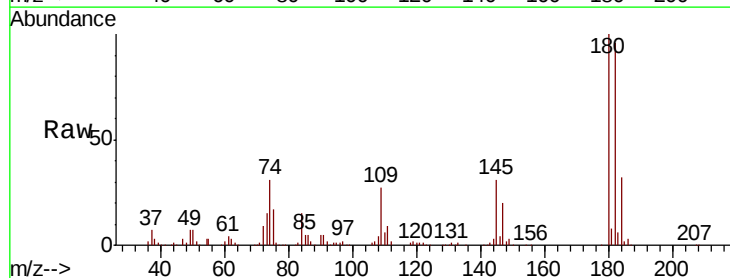
Tgt Ion:180 Resp: 271880

Ion Ratio Lower Upper

180 100

182 95.0 47.7 143.1

145 30.6 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

