

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025935.D
 Acq On : 07 Aug 2018 11:37
 Operator : MD/SY
 Sample : VSTD05042
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:27:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	380472	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	362158	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	194819	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110663	52.49	ug/L	0.00
7) Chloroethane-d5	1.68	69	84037	53.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	208188	50.98	ug/L	0.00
21) 2-Butanone-d5	4.18	46	158403	109.19	ug/L	0.00
24) Chloroform-d	4.65	84	214170	52.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	140897	52.30	ug/L	0.00
32) Benzene-d6	5.35	84	423073	53.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	131175	52.85	ug/L	0.00
41) Toluene-d8	7.57	98	411432	53.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	69766	53.61	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	114129	110.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	182089	52.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	171282	53.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	146044	50.461	ug/L	100
3) Chloromethane	1.33	50	124662	51.195	ug/L	100
5) Vinyl chloride	1.41	62	135101	51.442	ug/L	100
6) Bromomethane	1.63	94	61047	52.487	ug/L	100
8) Chloroethane	1.70	64	80070	52.652	ug/L	100
9) Trichlorofluoromethane	1.89	101	193606	51.172	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104041	49.750	ug/L	100
12) 1,1-Dichloroethene	2.28	96	99389	51.752	ug/L	100
13) Acetone	2.32	43	167698	97.652	ug/L	100
14) Carbon disulfide	2.48	76	343492	50.201	ug/L	100
15) Methyl Acetate	2.62	43	134673	51.357	ug/L	100
16) Methylene chloride	2.70	84	128838	51.479	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	122106	51.563	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	393081	52.210	ug/L	100
19) 1,1-Dichloroethane	3.45	63	223838	52.117	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	137238	51.872	ug/L	100
22) 2-Butanone	4.27	43	224446	104.537	ug/L	100
23) Bromochloromethane	4.55	128	71228	51.277	ug/L	100
25) Chloroform	4.68	83	235297	51.714	ug/L	100
27) 1,2-Dichloroethane	5.41	62	188199	51.870	ug/L	100
29) Cyclohexane	5.00	56	196650	51.525	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	212298	51.499	ug/L	100
31) Carbon tetrachloride	5.14	117	193005	52.356	ug/L	100
33) Benzene	5.39	78	492768	52.054	ug/L	100
34) Trichloroethene	6.19	95	133333	50.612	ug/L	100
35) Methylcyclohexane	6.42	83	205868	51.629	ug/L	100
37) 1,2-Dichloropropane	6.44	63	133366	52.732	ug/L	100
38) Bromodichloromethane	6.76	83	179272	52.145	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	216153	52.472	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	365418	105.960	ug/L	100

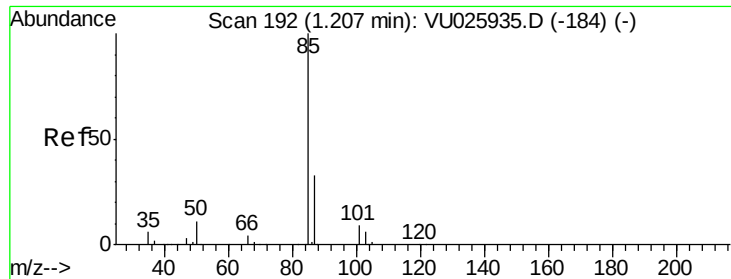
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	539241	52.197	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	207592	53.316	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	125779	52.065	ug/L	100
46) Tetrachloroethene	8.23	164	115527	51.023	ug/L	100
48) 2-Hexanone	8.36	43	294927	106.003	ug/L	100
49) Dibromochloromethane	8.48	129	156504	52.742	ug/L	100
50) 1,2-Dibromoethane	8.59	107	141943	52.379	ug/L	100
51) Chlorobenzene	9.12	112	365491	51.666	ug/L	100
52) Ethylbenzene	9.25	91	614001	52.240	ug/L	100
53) m,p-Xylene	9.38	106	237855	51.588	ug/L	100
54) o-xylene	9.78	106	231561	52.743	ug/L	100
55) Styrene	9.80	104	395218	53.425	ug/L	100
56) Isopropylbenzene	10.17	105	608437	52.143	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	209234	51.516	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	170427	52.946	ug/L	100
61) Bromoform	9.96	173	118043	53.059	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	302723	51.937	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	304094	51.210	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	304714	52.138	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	47646	53.645	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	225343	52.467	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	202140	54.229	ug/L	100
69) Naphthalene	13.74	128	605721	55.295	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	203422	53.265	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.461 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

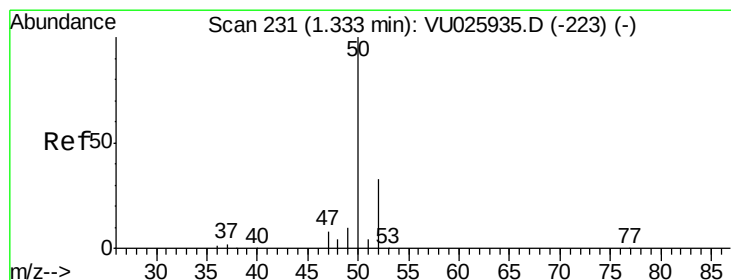
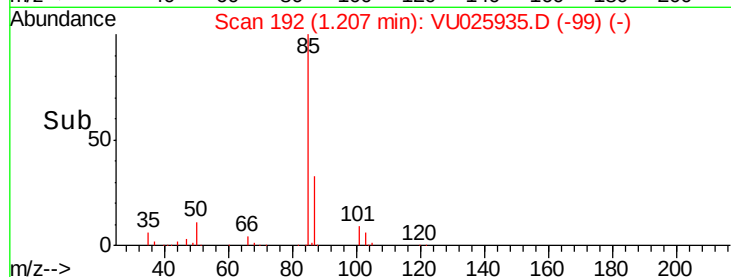
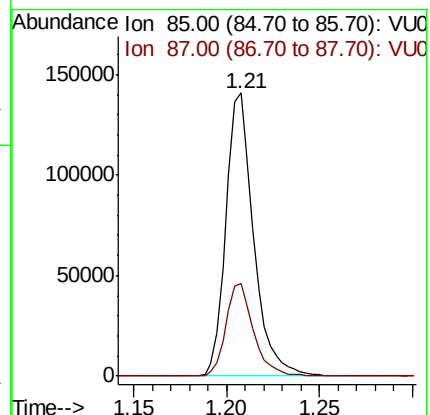
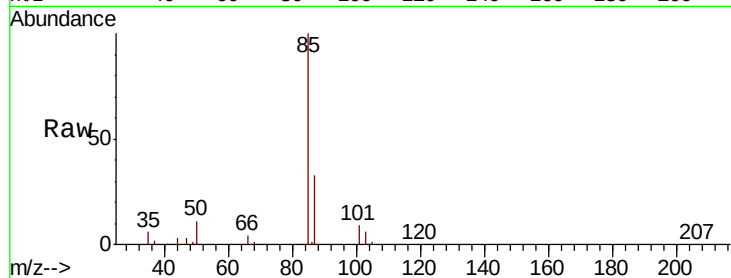
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 146044

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



#3

Chloromethane

Concen: 51.195 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025935.D

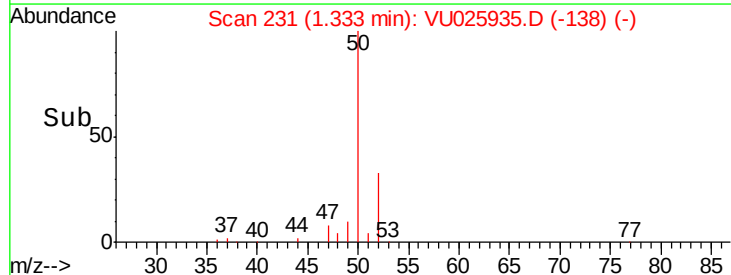
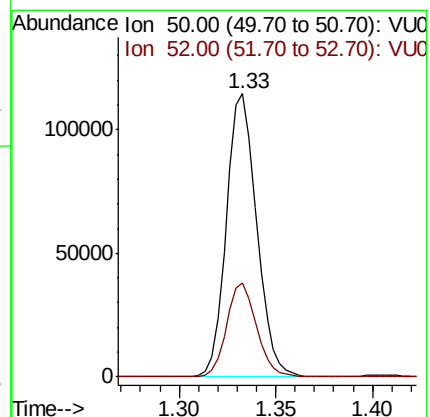
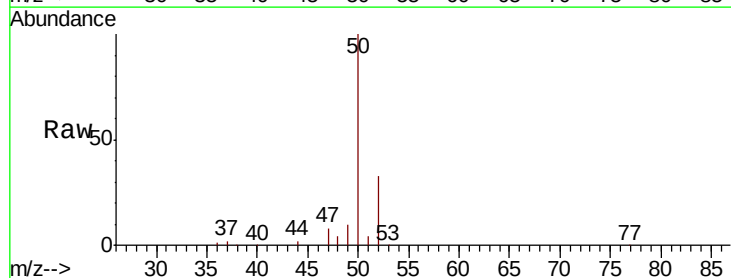
Acq: 07 Aug 2018 11:37

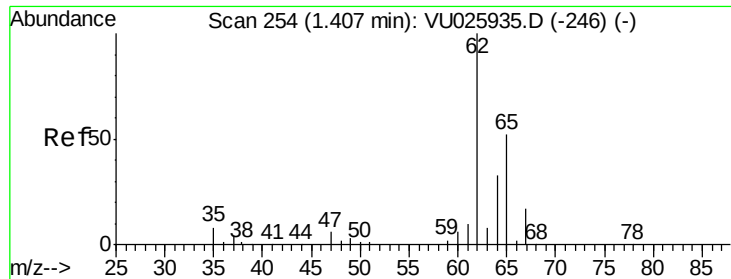
Tgt Ion: 50 Resp: 124662

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 51.442 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

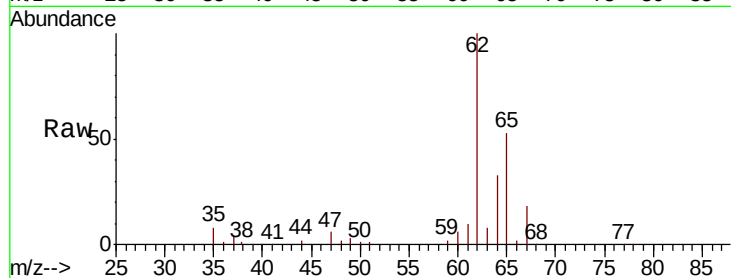
ClientSampled :

Tot Ion: 62 Resp: 135101

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

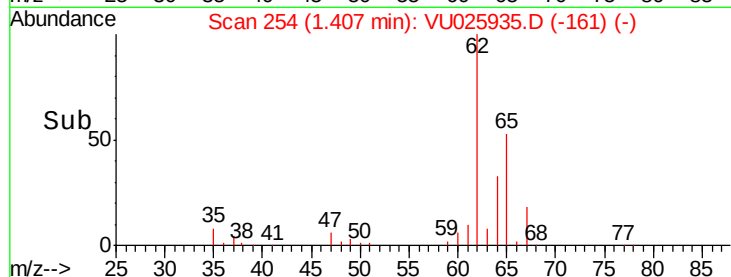
150000

100000

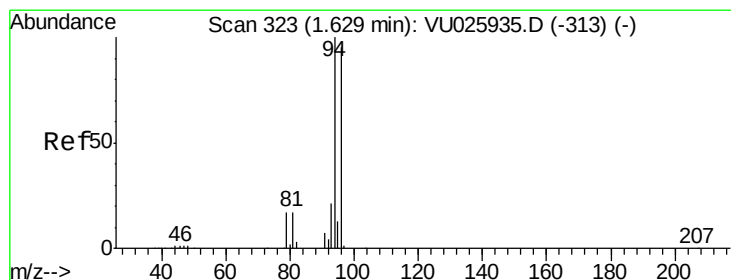
50000

0

Time-->



Time-->



#6

Bromomethane

Concen: 52.487 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025935.D

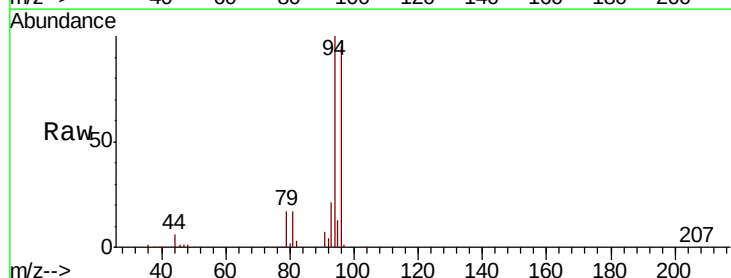
Acq: 07 Aug 2018 11:37

Tgt Ion: 94 Resp: 61047

Ion Ratio Lower Upper

94 100

96 95.1 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

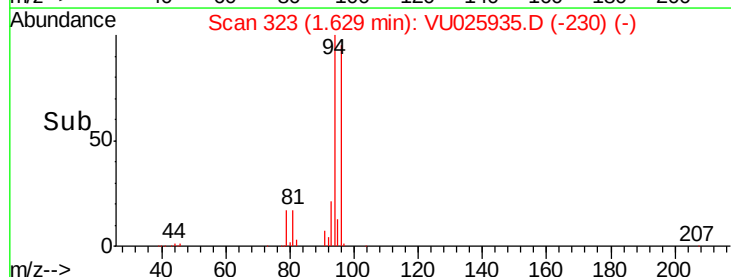
30000

20000

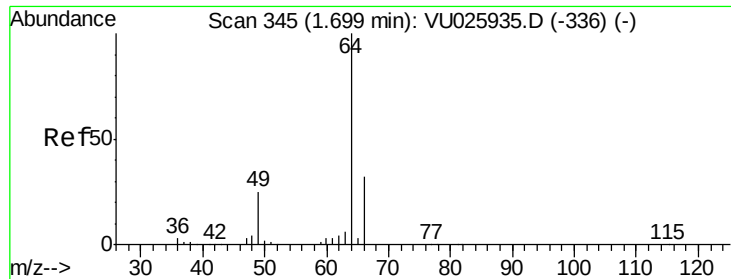
10000

0

Time-->



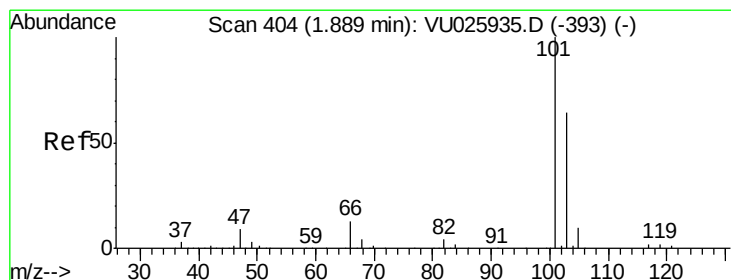
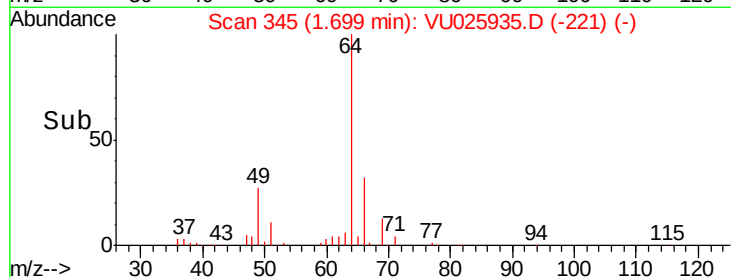
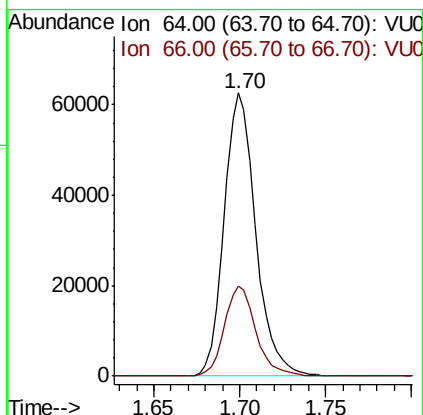
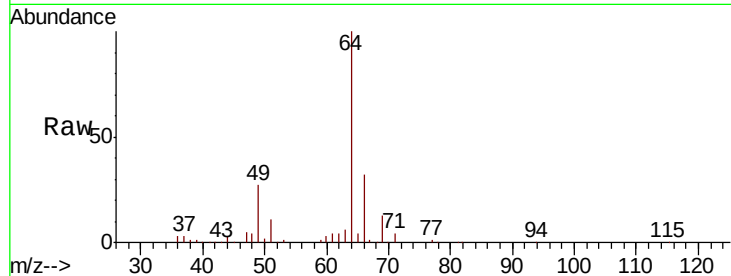
Time-->



#8
Chloroethane
Concen: 52.652 ug/L
RT: 1.70 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

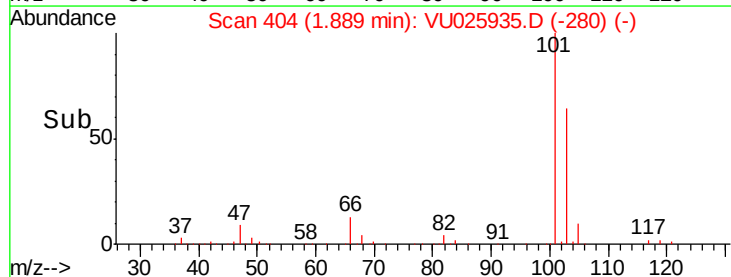
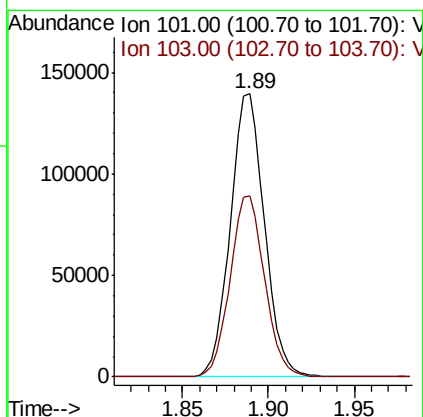
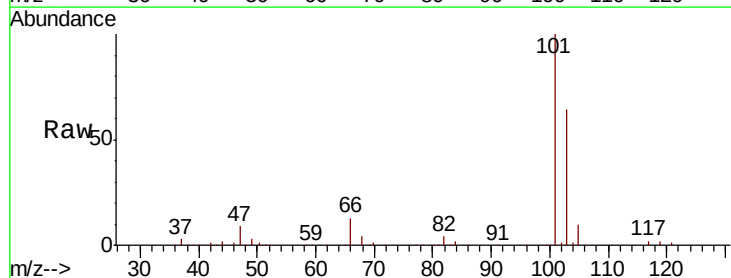
Instrument :
MSVOA_U
ClientSampleId :

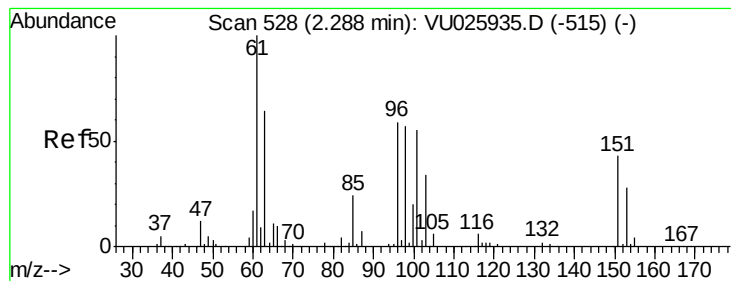
Tot Ion: 64 Resp: 80070
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 51.172 ug/L
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Tgt Ion:101 Resp: 193606
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.750 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampleId :

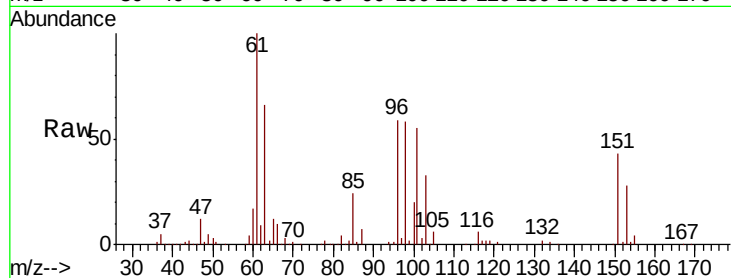
Tot Ion:101 Resp: 104041

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

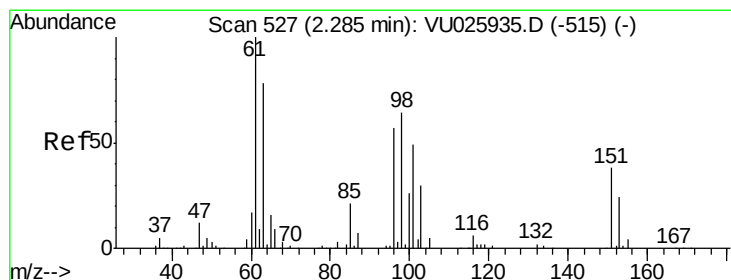
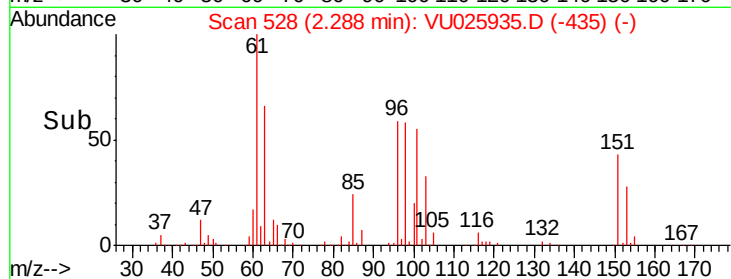
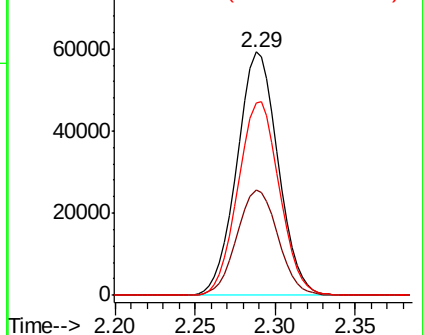
151 80.4 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.752 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

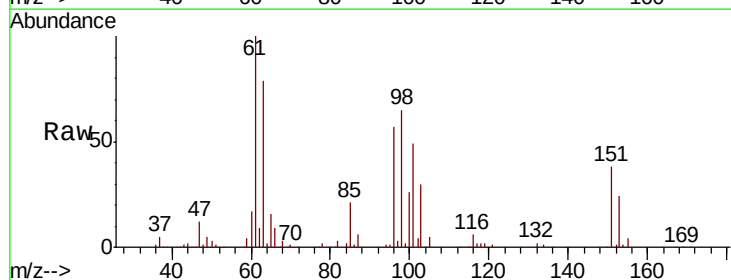
Tgt Ion: 96 Resp: 99389

Ion Ratio Lower Upper

96 100

61 175.7 123.0 228.4

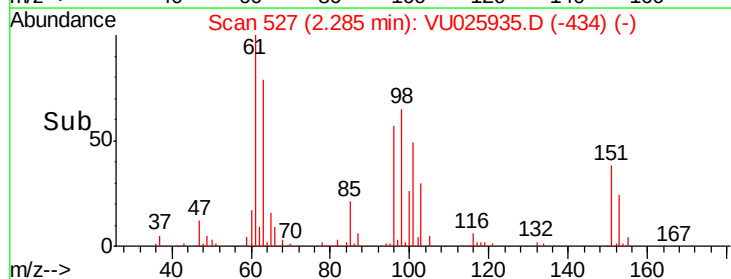
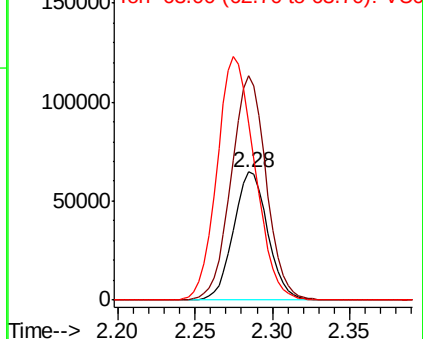
63 138.8 97.2 180.4

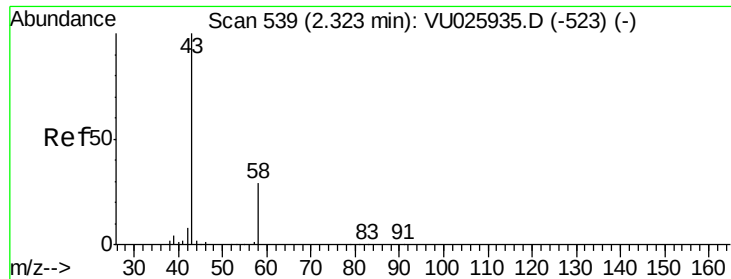


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.652 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

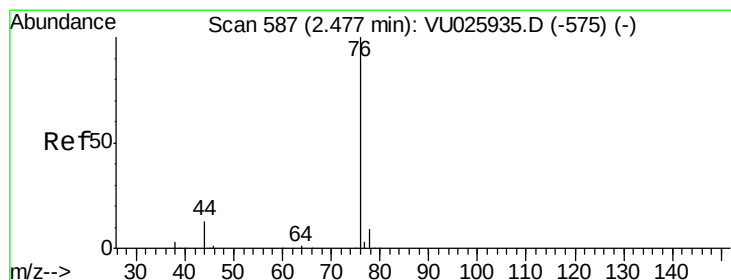
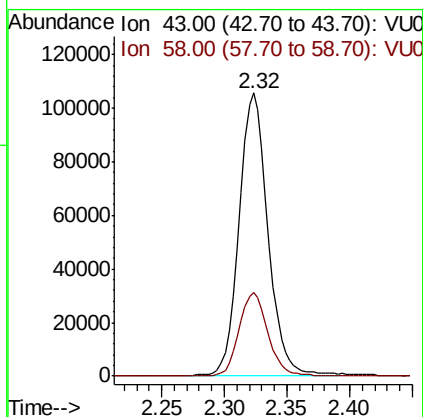
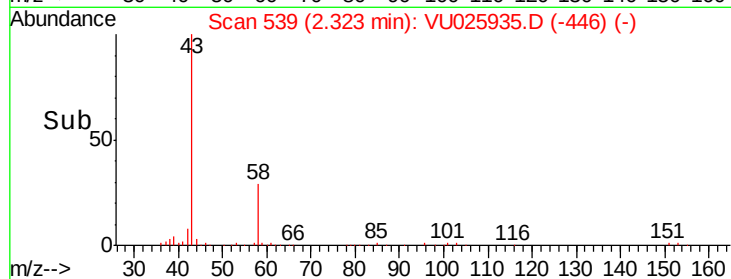
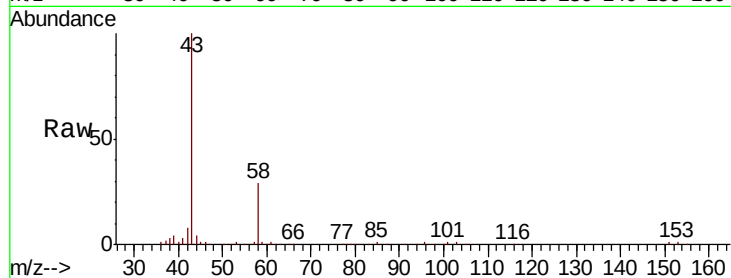
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 167698

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.2



#14

Carbon disulfide

Concen: 50.201 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025935.D

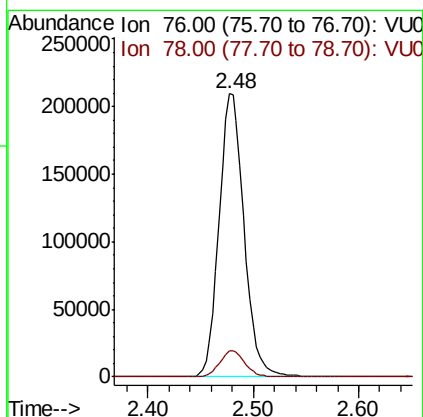
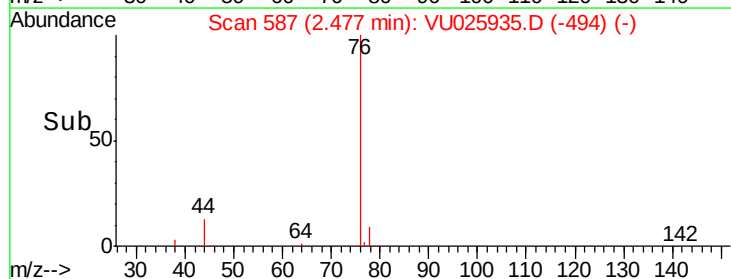
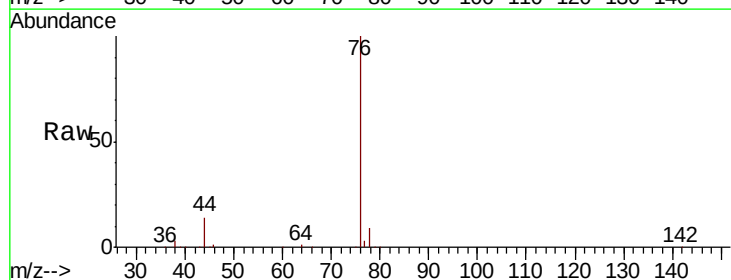
Acq: 07 Aug 2018 11:37

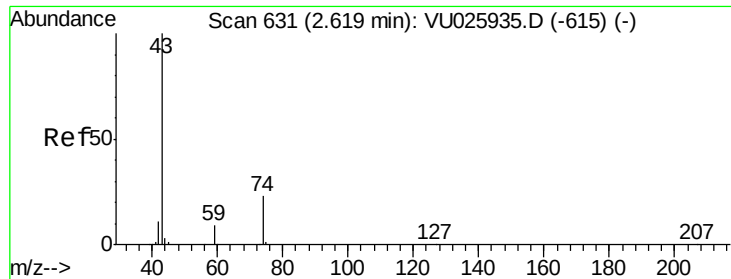
Tgt Ion: 76 Resp: 343492

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 51.357 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

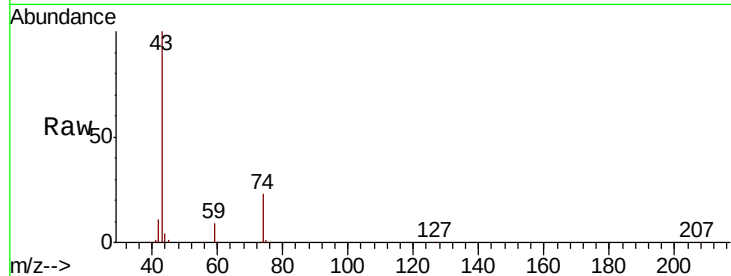
ClientSampled :

Tot Ion: 43 Resp: 134673

Ion Ratio Lower Upper

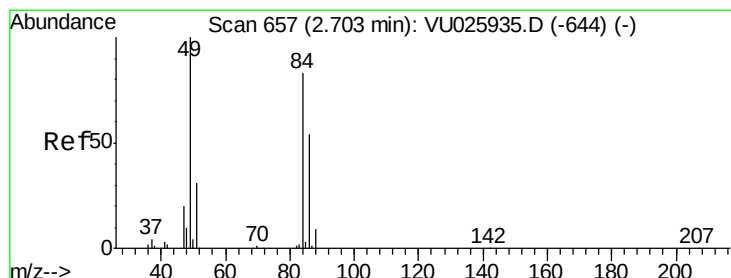
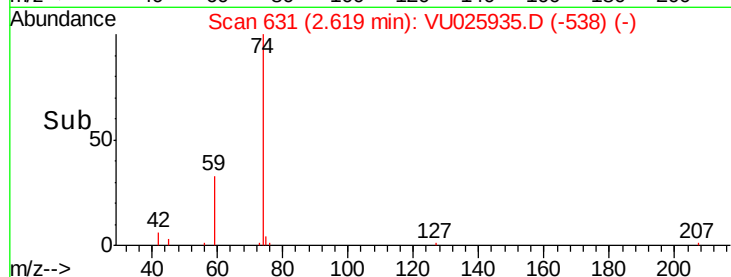
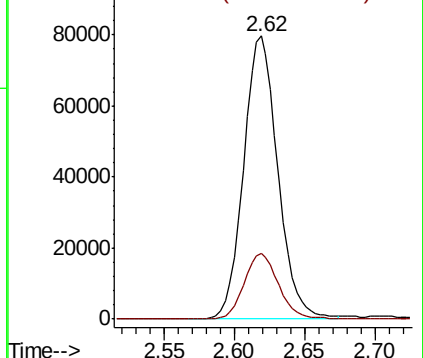
43 100

74 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 51.479 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

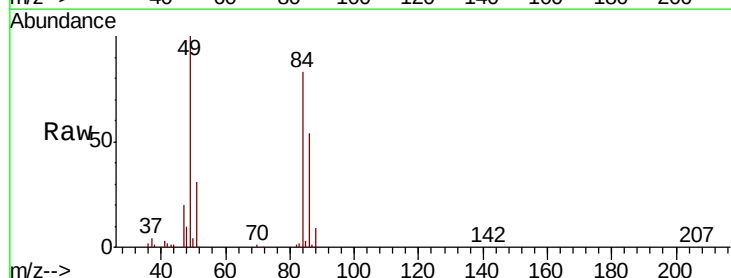
Tgt Ion: 84 Resp: 128838

Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

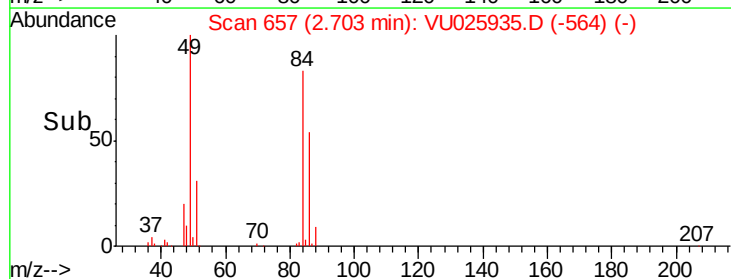
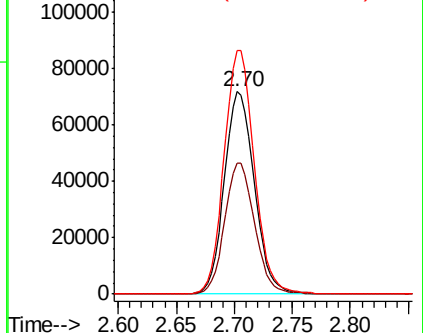
49 120.5 84.4 156.7

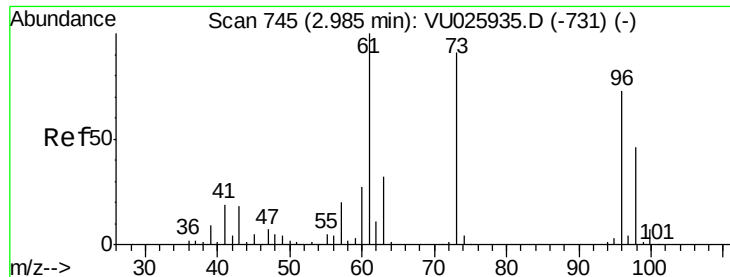


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 51.563 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :
MSVOA_U
ClientSampled :

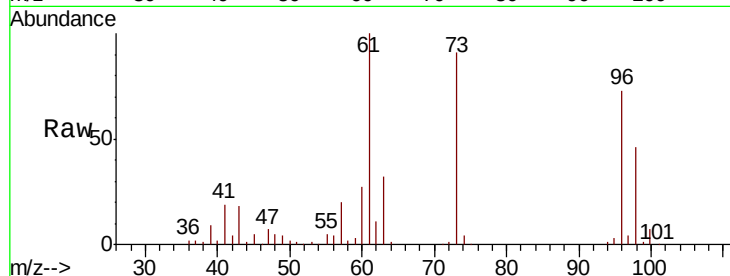
Tot Ion: 96 Resp: 122106

Ion Ratio Lower Upper

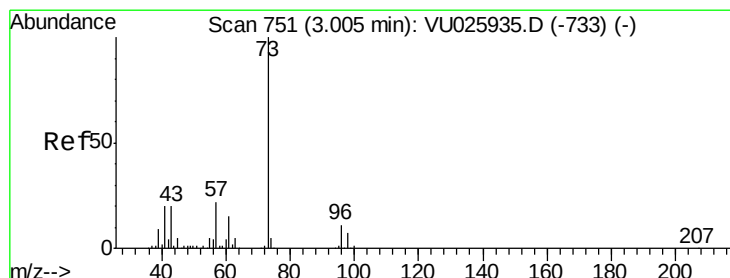
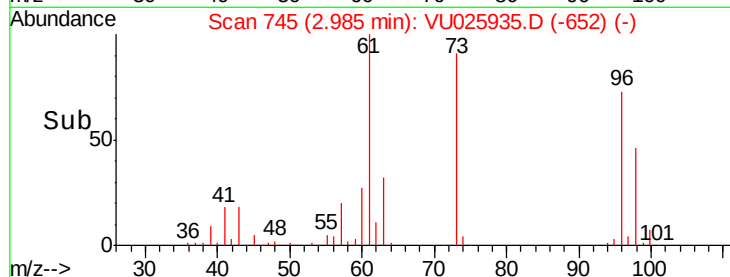
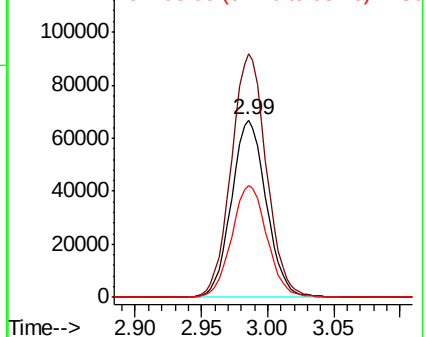
96 100

61 137.4 96.2 178.6

98 62.9 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.210 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

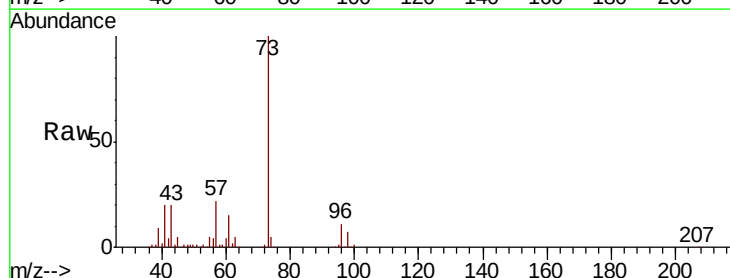
Tgt Ion: 73 Resp: 393081

Ion Ratio Lower Upper

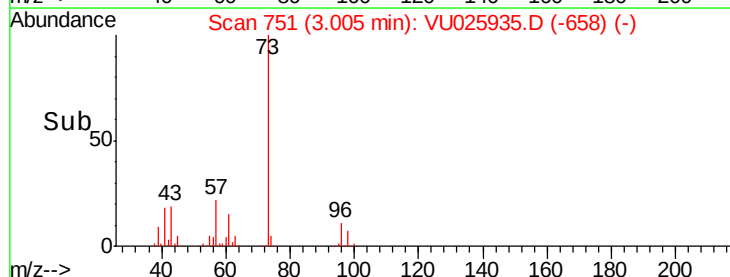
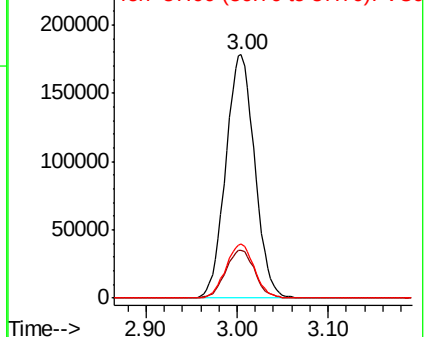
73 100

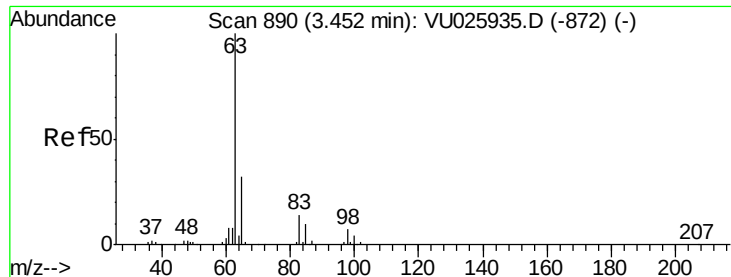
43 19.9 15.9 23.9

57 21.9 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

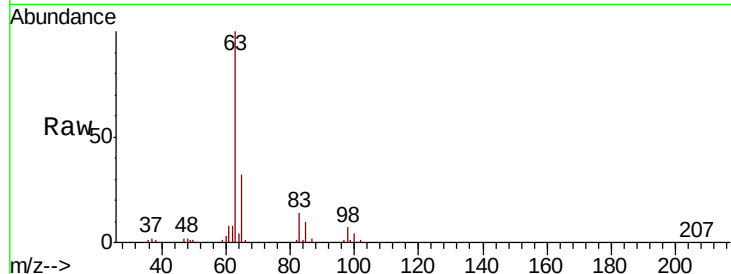




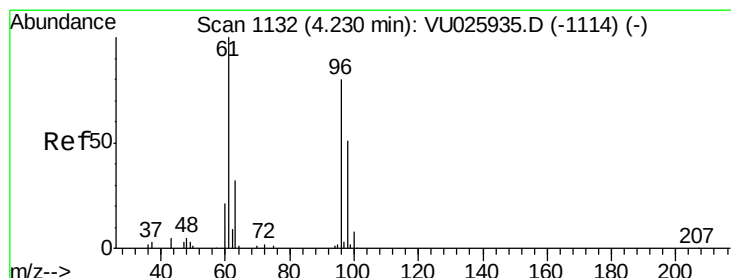
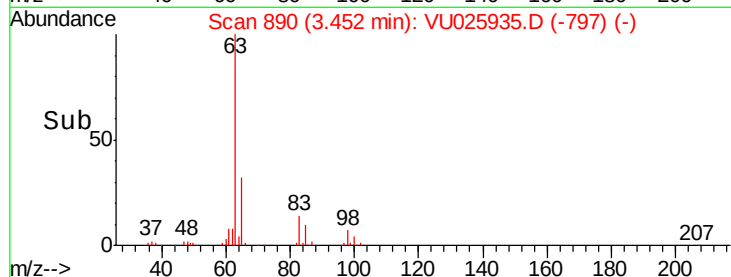
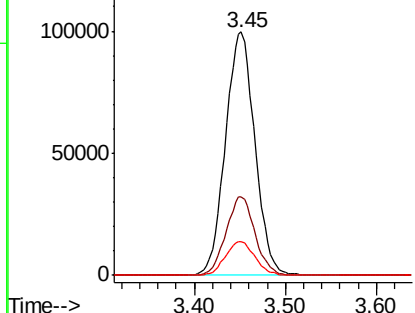
#19
 1,1-Dichloroethane
 Concen: 52.117 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.7	42.3
83	13.9	9.7	18.1

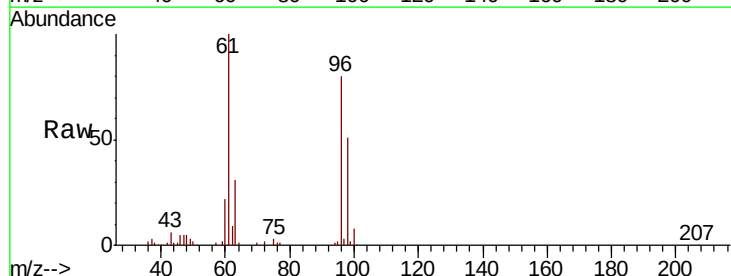


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

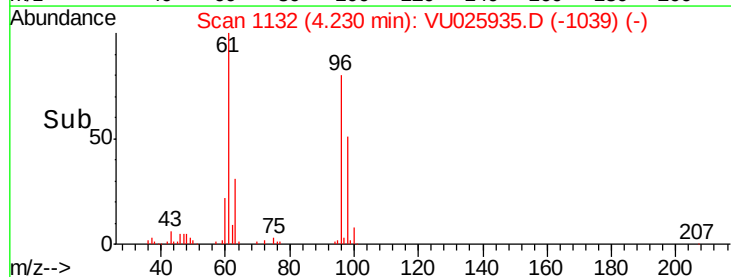
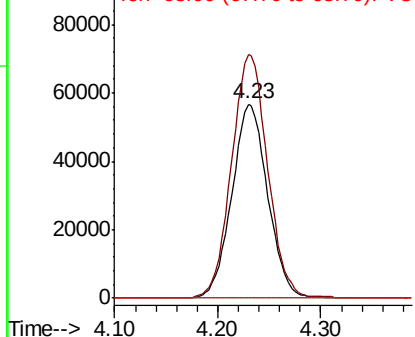


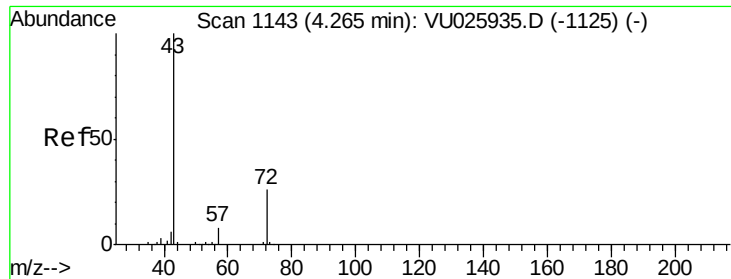
#20
 cis-1,2-Dichloroethene
 Concen: 51.872 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.3	87.7	162.9
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 104.537 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

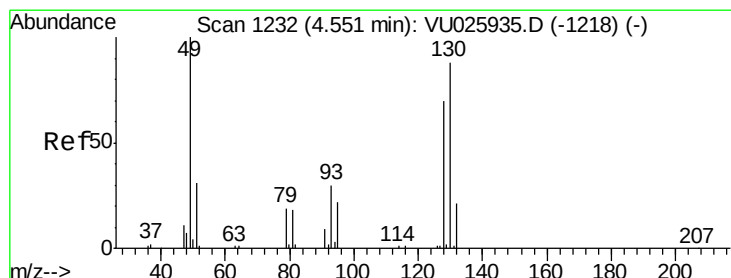
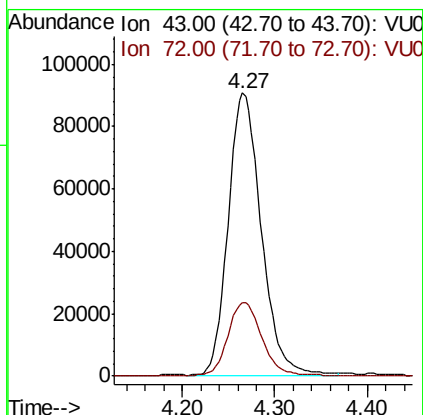
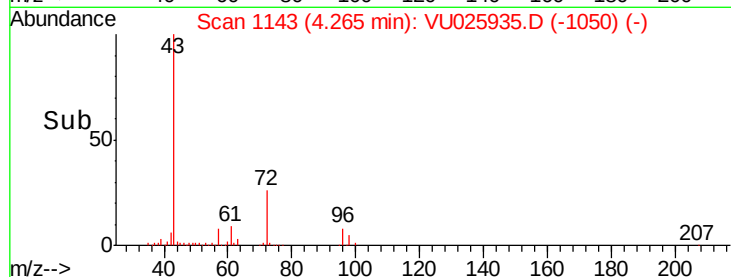
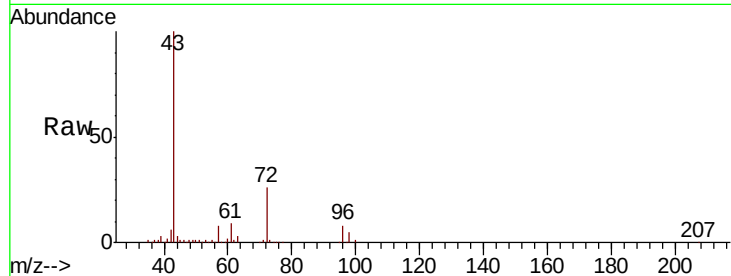
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 224446

Ion Ratio Lower Upper

43 100

72 26.8 13.4 40.2



#23

Bromochloromethane

Concen: 51.277 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Tgt Ion: 128 Resp: 71228

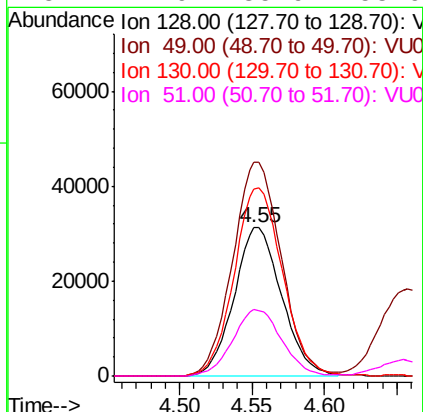
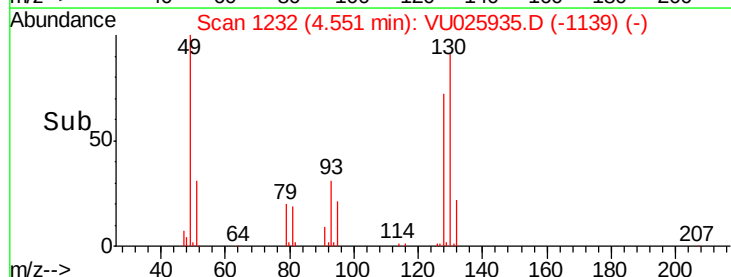
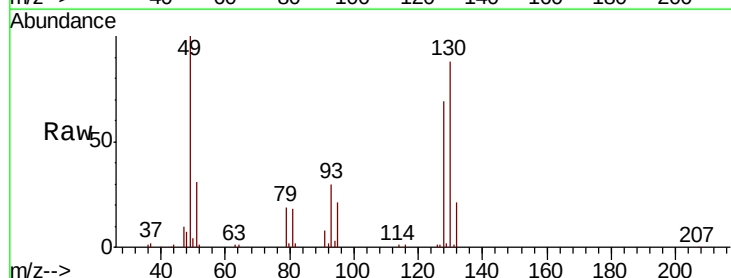
Ion Ratio Lower Upper

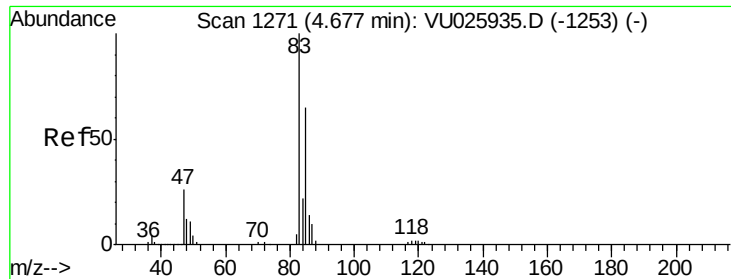
128 100

49 144.2 100.9 187.5

130 126.6 88.6 164.6

51 44.9 35.9 53.9

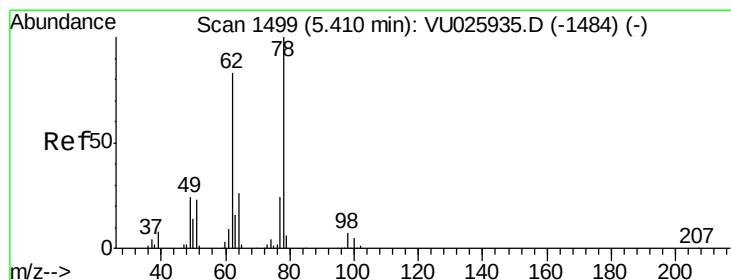
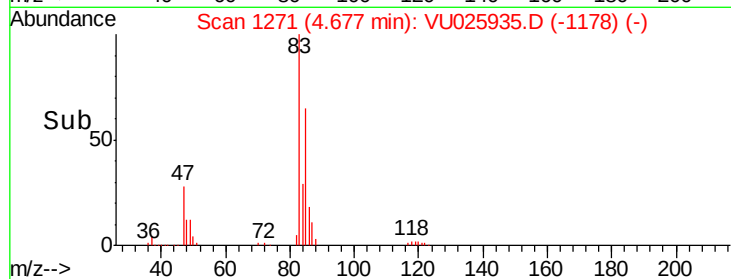
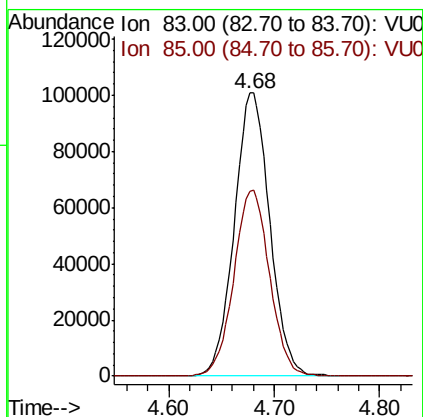
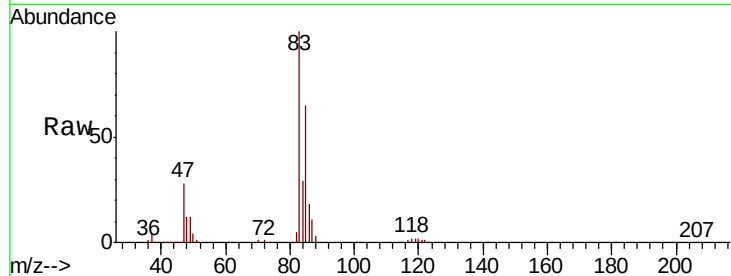




#25
Chloroform
Concen: 51.714 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

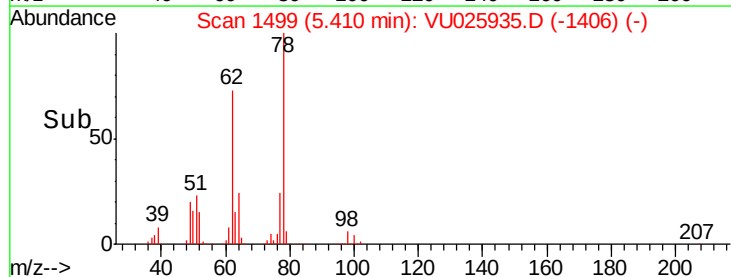
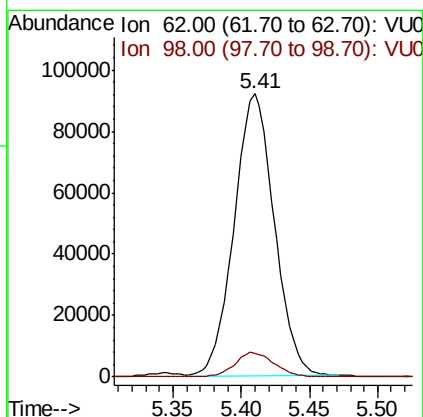
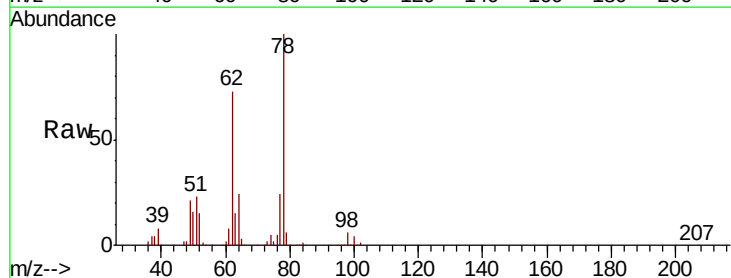
Instrument :
MSVOA_U
ClientSampled :

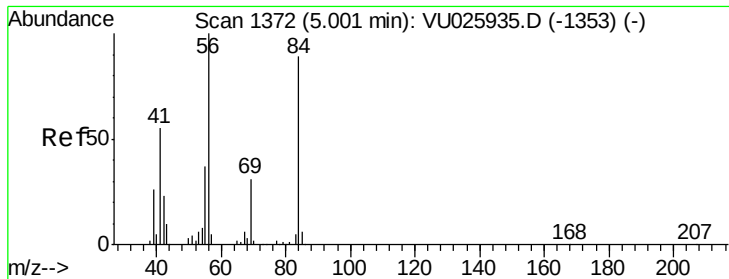
Tot Ion: 83 Resp: 235297
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 51.870 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Tgt Ion: 62 Resp: 188199
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2

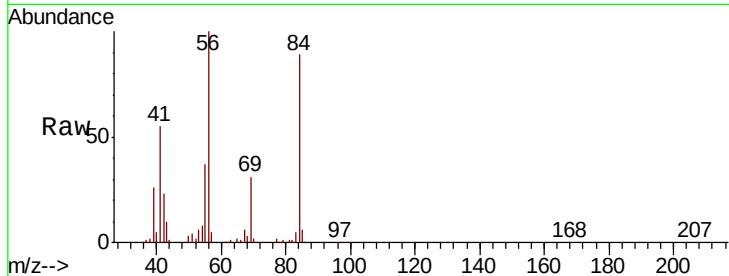




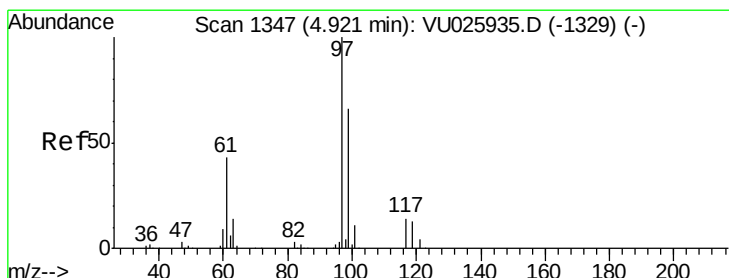
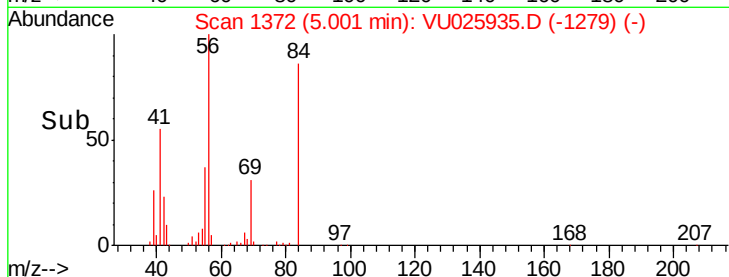
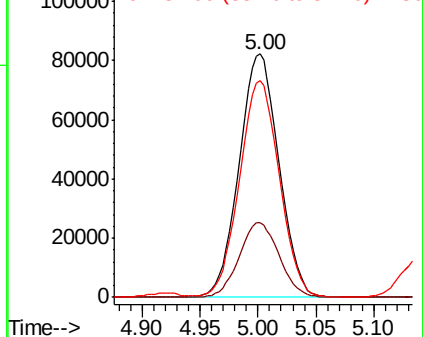
#29
Cyclohexane
Concen: 51.525 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 196650
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 89.3 71.4 107.2

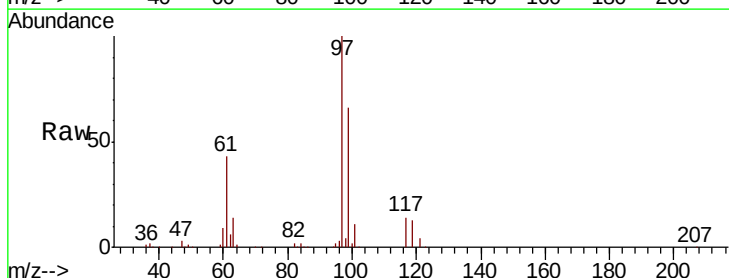


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

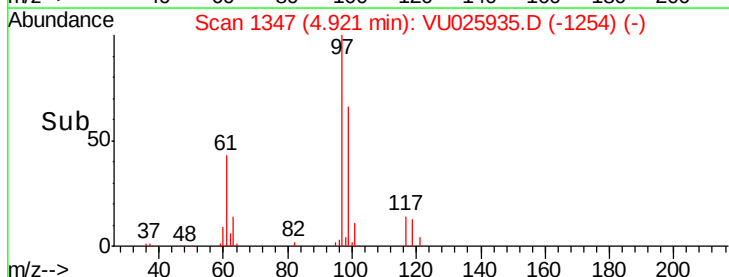
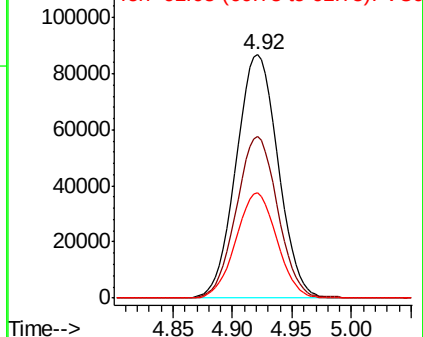


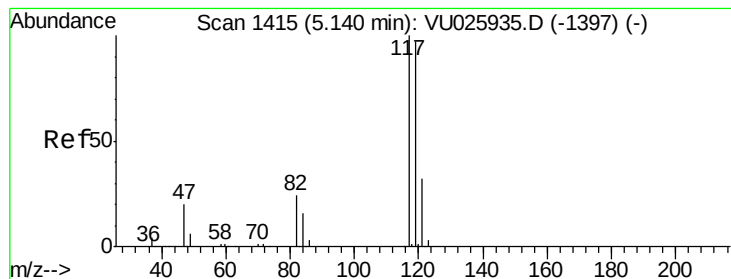
#30
1,1,1-Trichloroethane
Concen: 51.499 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Tgt Ion: 97 Resp: 212298
Ion Ratio Lower Upper
97 100
99 65.4 52.3 78.5
61 42.2 33.8 50.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 52.356 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

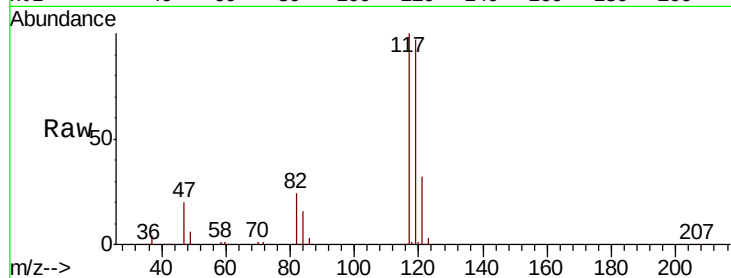
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 193005

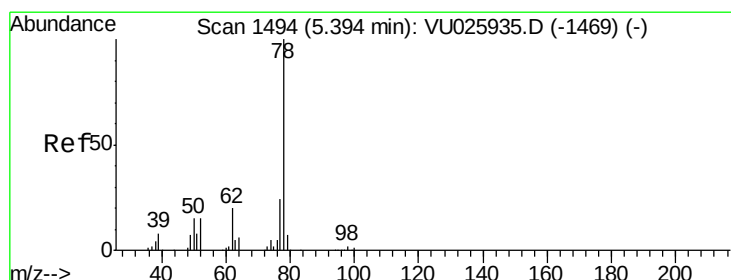
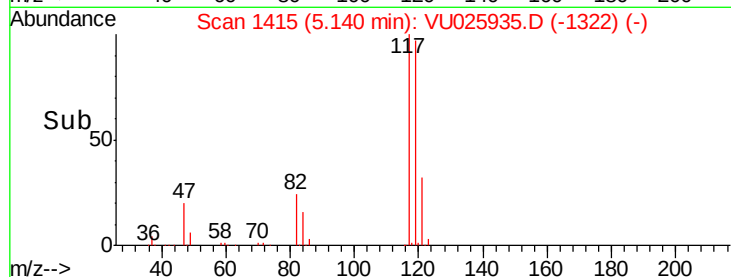
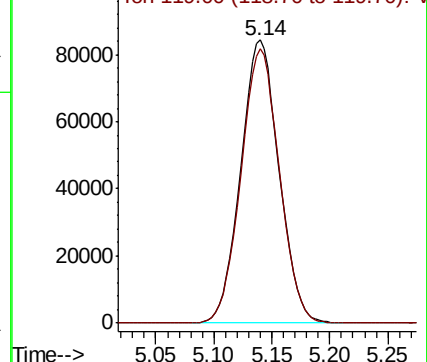
Ion Ratio Lower Upper

117 100

119 97.3 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.054 ug/L

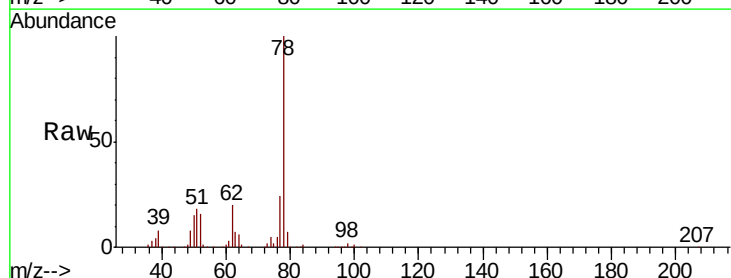
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

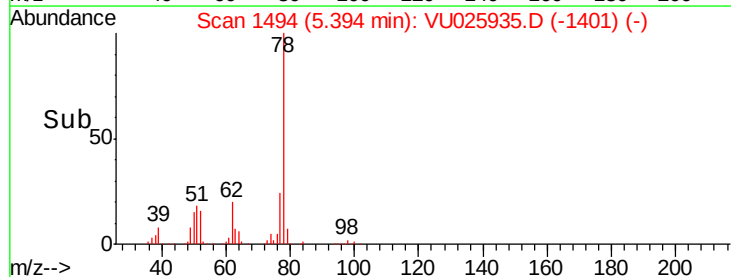
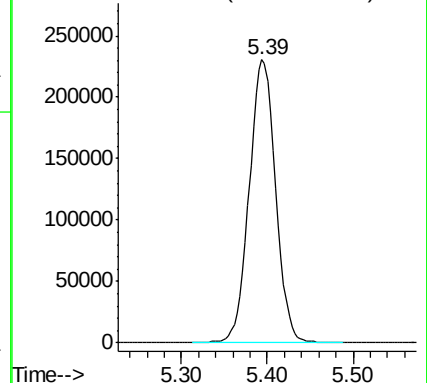
Lab File: VU025935.D

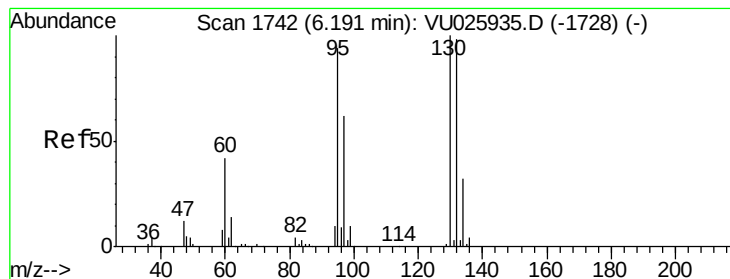
Acq: 07 Aug 2018 11:37

Tgt Ion: 78 Resp: 492768



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.612 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 133333

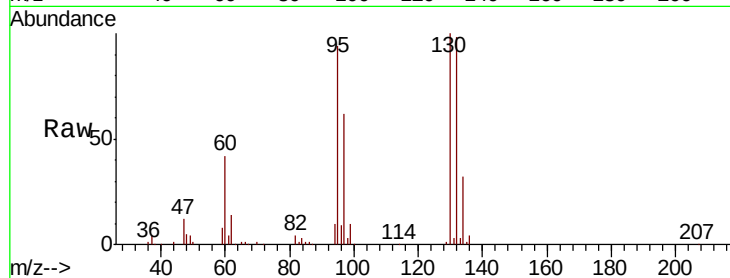
Ion Ratio Lower Upper

95 100

97 66.6 46.6 86.6

132 104.7 73.3 136.1

130 106.8 74.8 138.8

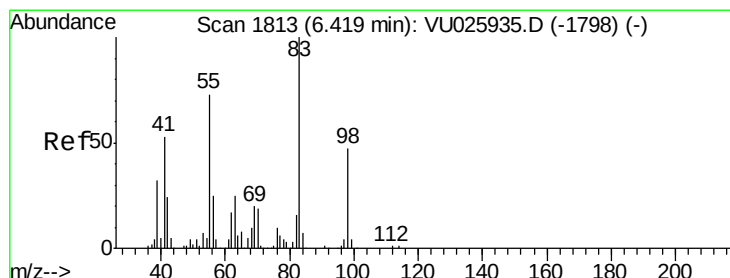
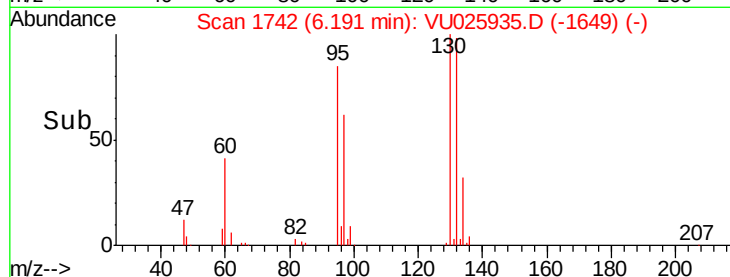
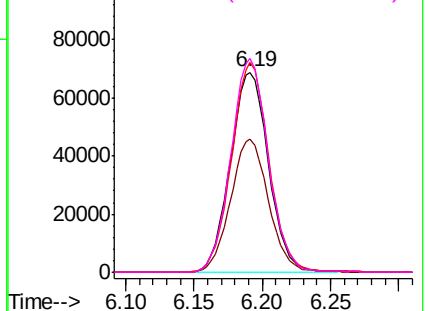


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.629 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

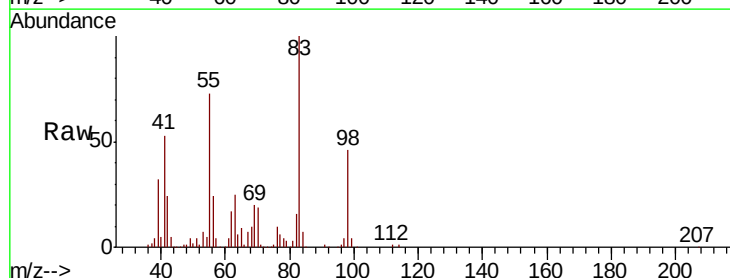
Tgt Ion: 83 Resp: 205868

Ion Ratio Lower Upper

83 100

55 72.9 58.3 87.5

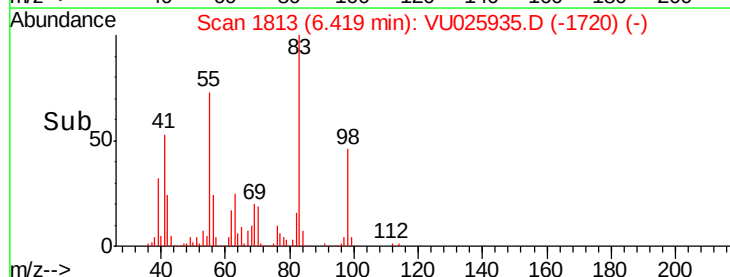
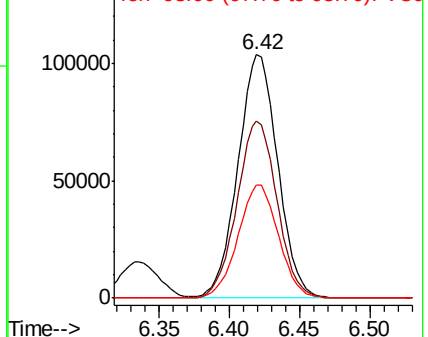
98 47.2 37.8 56.6

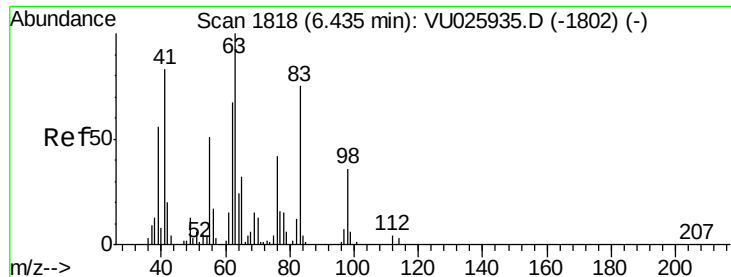


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

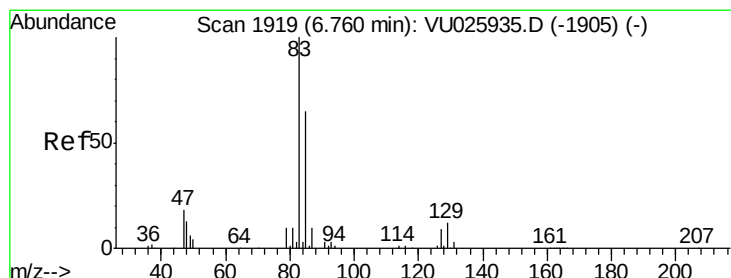
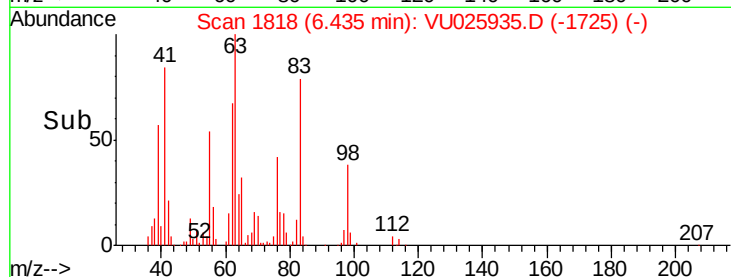
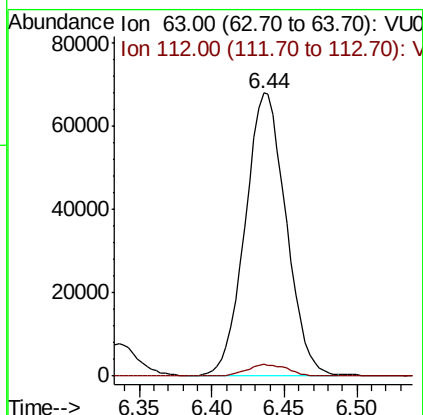
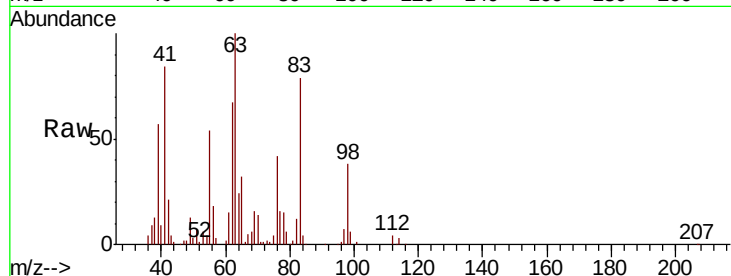




#37
 1,2-Dichloropropane
 Concen: 52.732 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

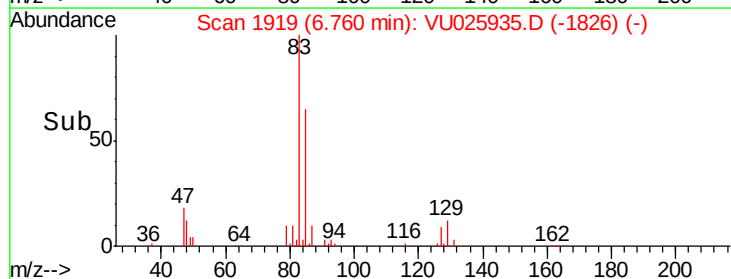
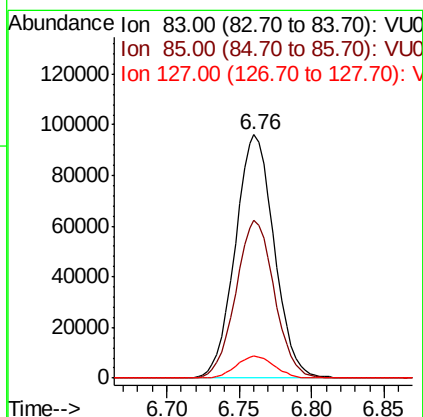
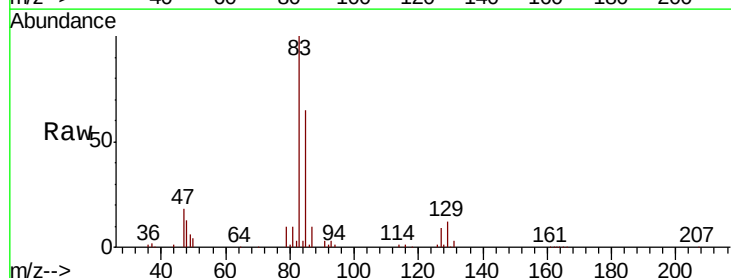
Instrument :
 MSVOA_U
 ClientSampleId :

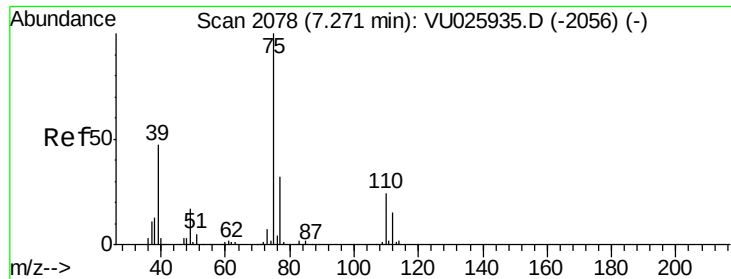
Tot Ion: 63 Resp: 133366
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 52.145 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion: 83 Resp: 179272
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.2 84.0
 127 8.9 7.1 10.7



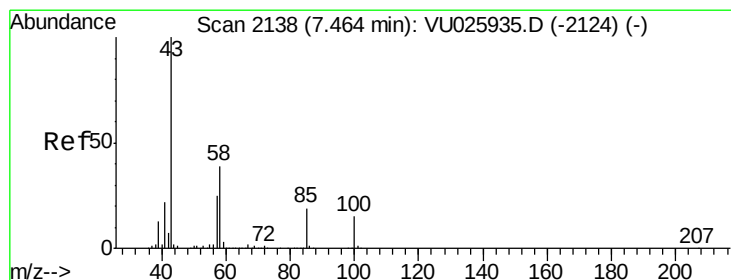
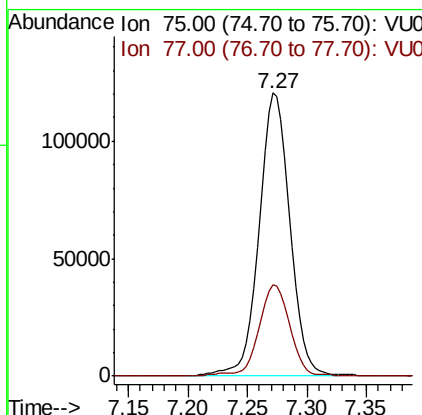
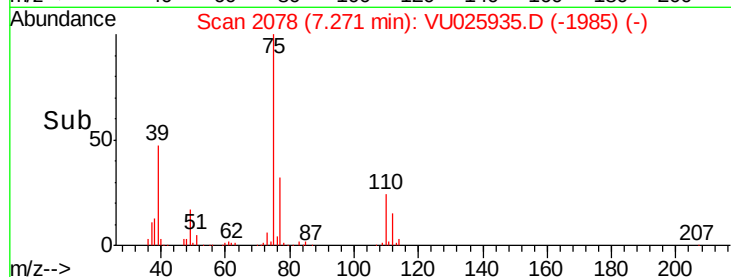
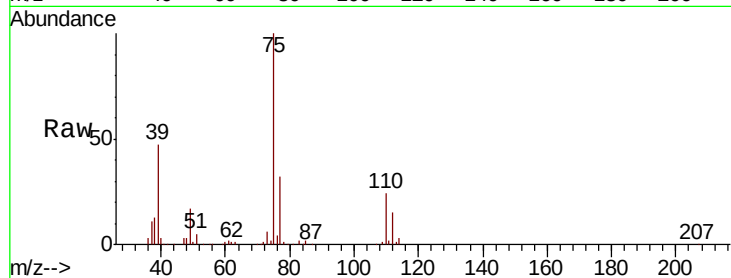


#39

cis-1,3-Dichloropropene
 Concen: 52.472 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Instrument :
 MSVOA_U
 ClientSampleId :

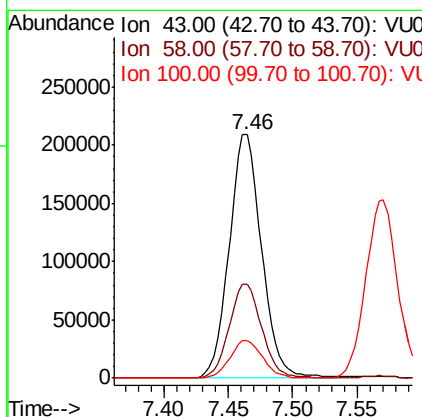
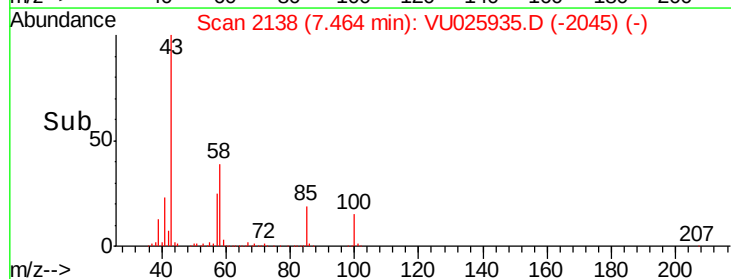
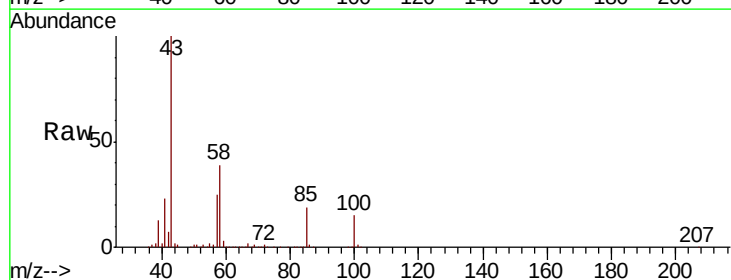
Tot Ion: 75 Resp: 216153
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7

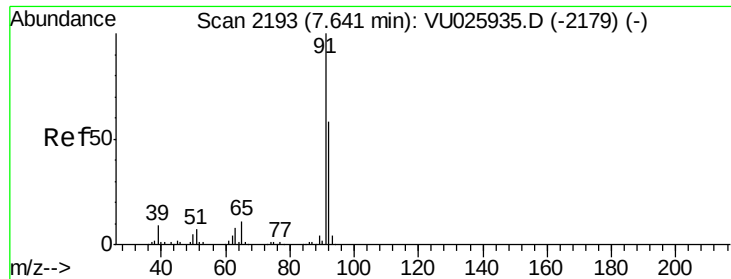


#40

4-Methyl-2-pentanone
 Concen: 105.960 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion: 43 Resp: 365418
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 15.5 12.4 18.6





#42

Toluene

Concen: 52.197 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

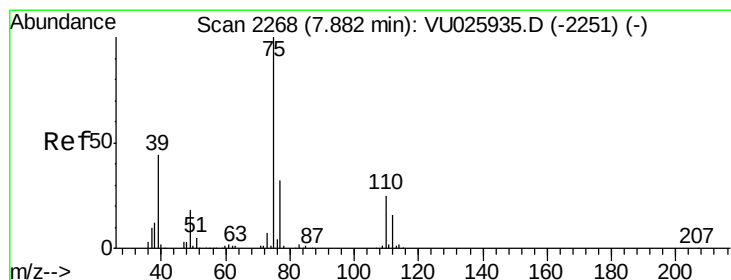
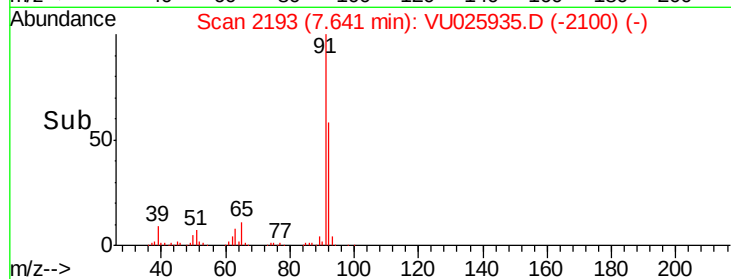
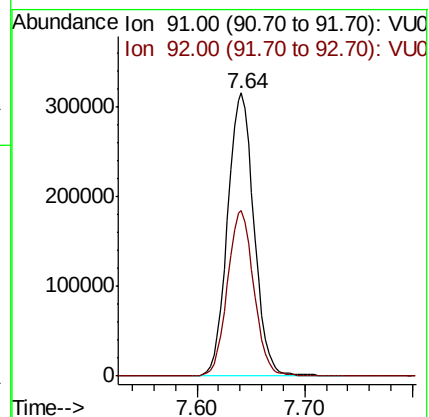
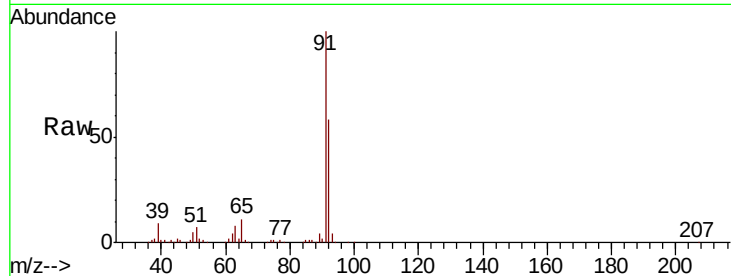
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 539241

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 53.316 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025935.D

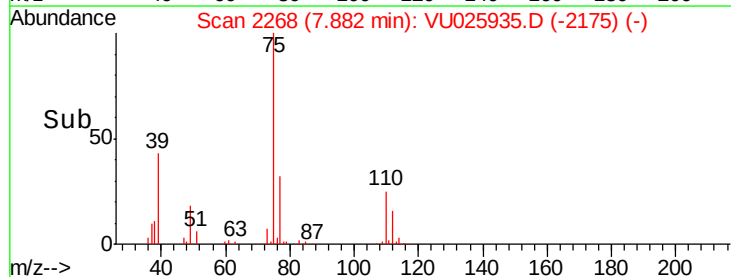
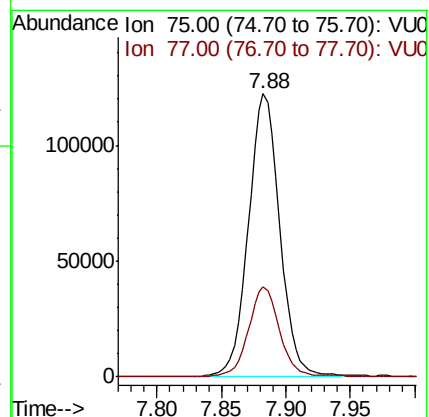
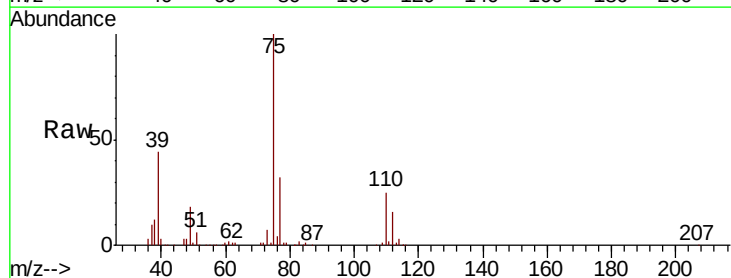
Acq: 07 Aug 2018 11:37

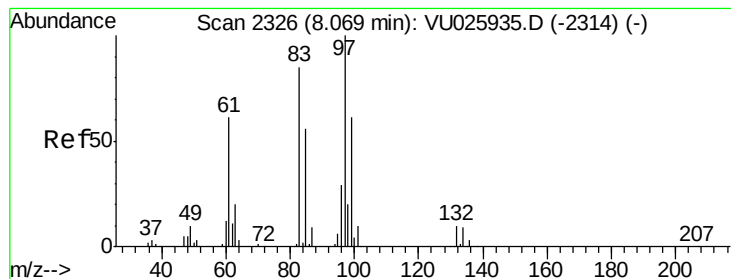
Tgt Ion: 75 Resp: 207592

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 52.065 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 125779

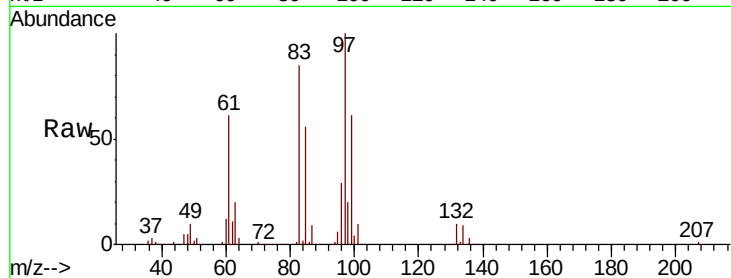
Ion Ratio Lower Upper

97 100

99 60.8 42.6 79.0

83 85.1 59.6 110.6

85 55.5 38.9 72.2

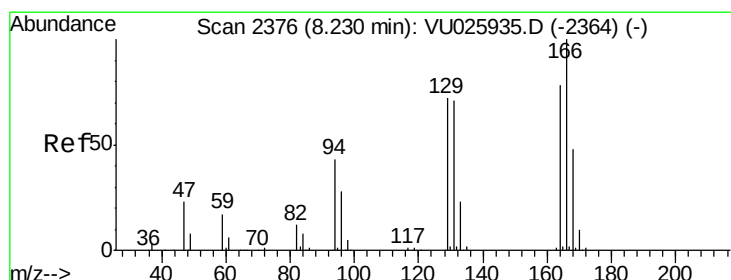
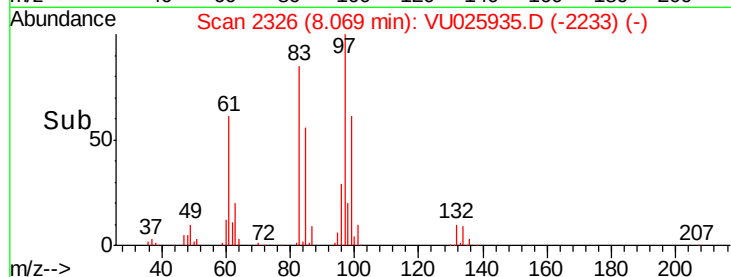
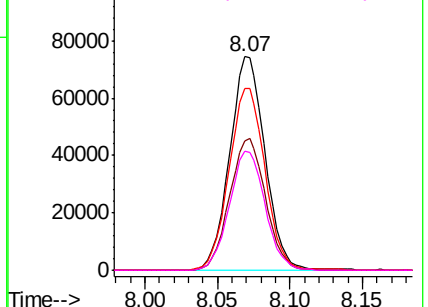


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 51.023 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Tgt Ion:164 Resp: 115527

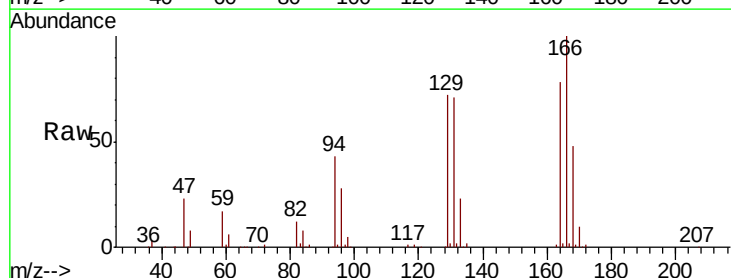
Ion Ratio Lower Upper

164 100

129 92.5 64.8 120.3

131 90.2 63.1 117.3

166 127.9 89.5 166.3

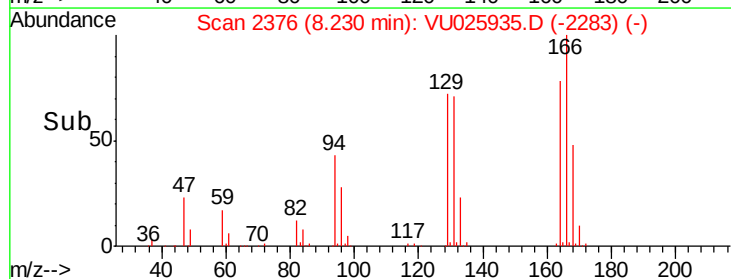
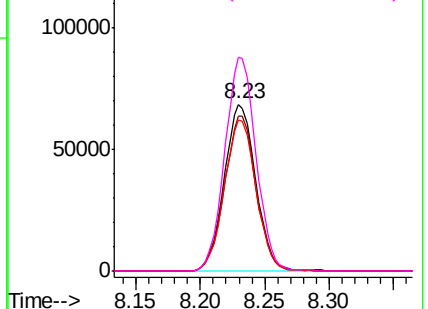


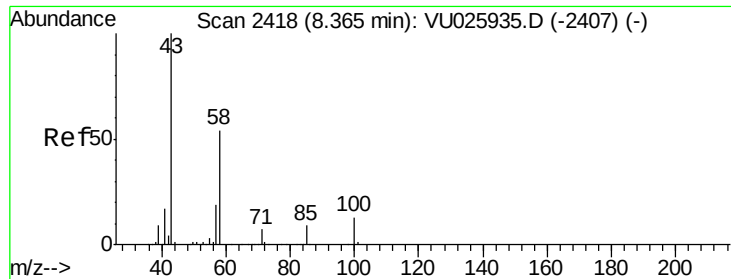
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

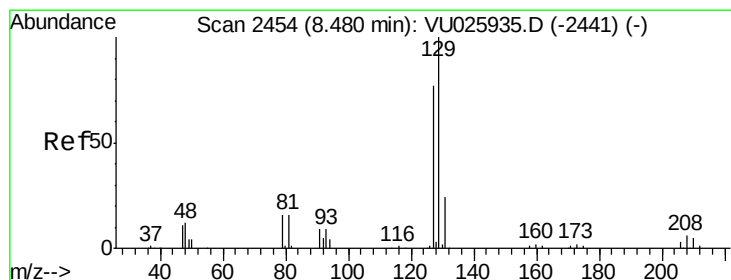
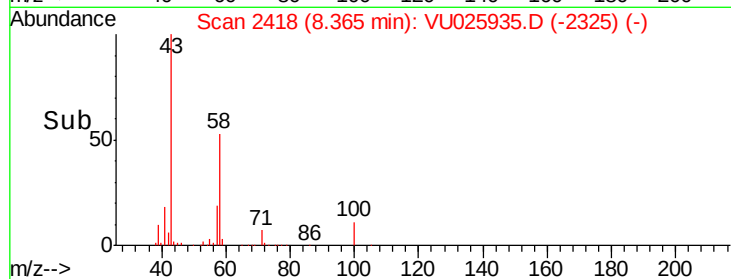
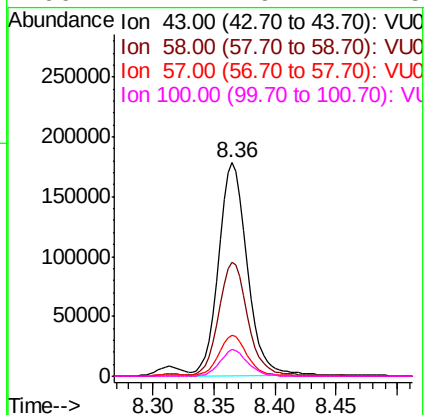
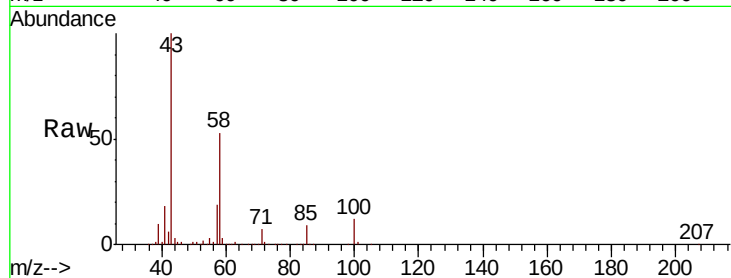




#48
2-Hexanone
Concen: 106.003 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

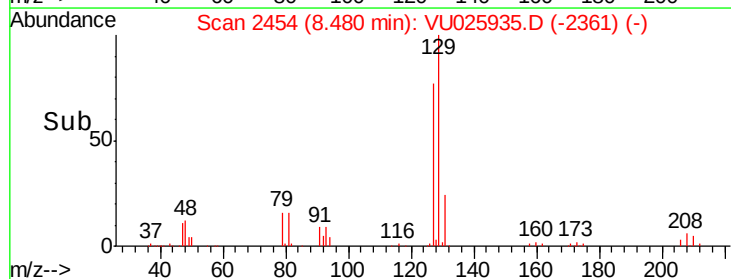
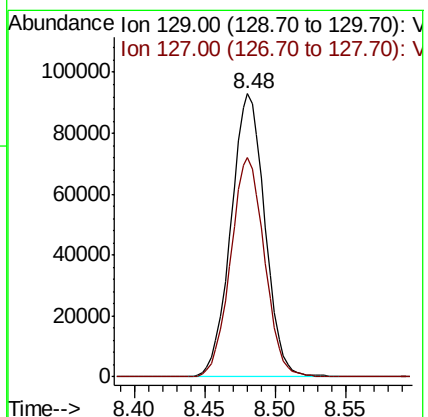
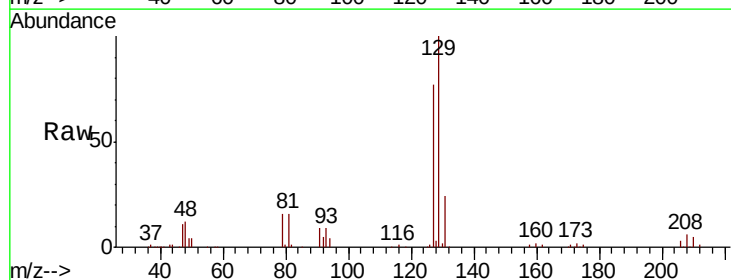
Instrument :
MSVOA_U
ClientSampled :

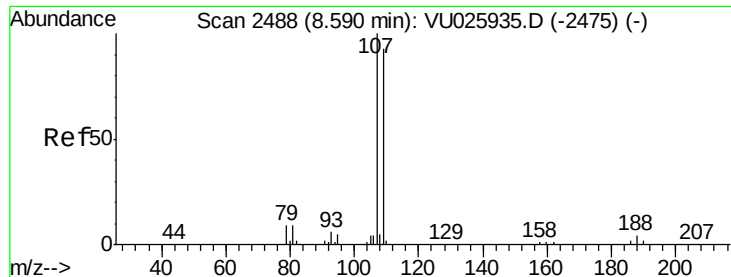
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.3	64.9
57	18.8	15.0	22.6
100	12.1	9.7	14.5



#49
Dibromochloromethane
Concen: 52.742 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.3	100.8

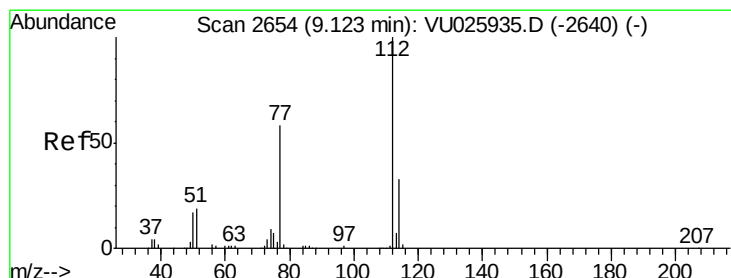
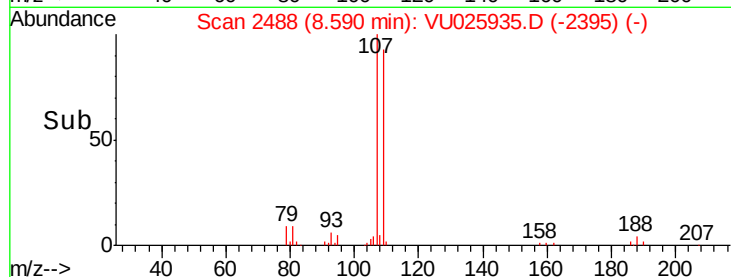
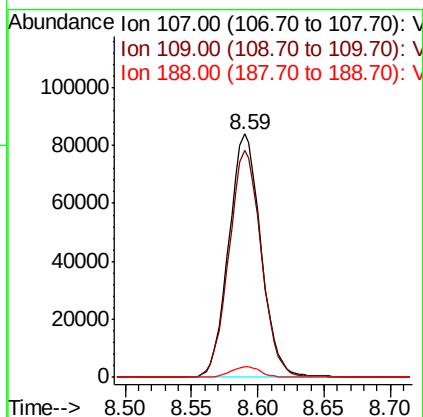
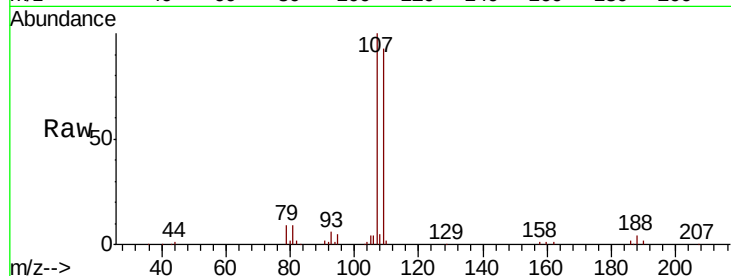




#50
 1,2-Dibromoethane
 Concen: 52.379 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

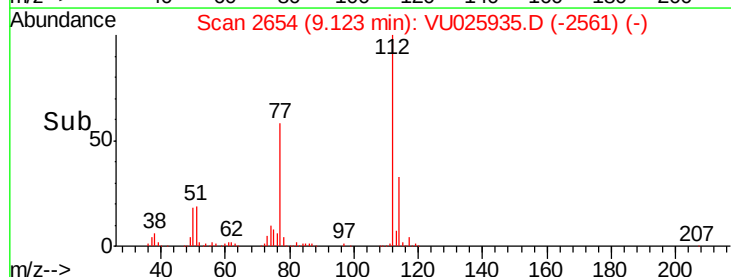
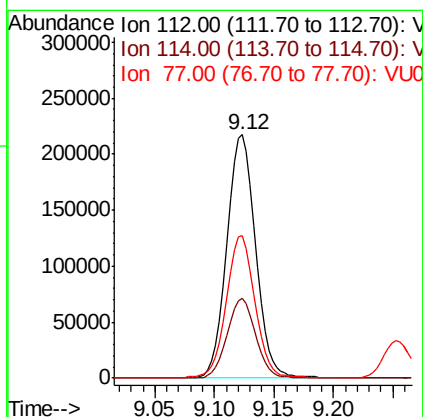
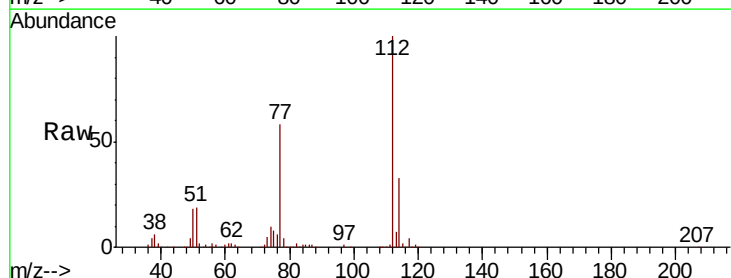
Instrument :
 MSVOA_U
 ClientSampled :

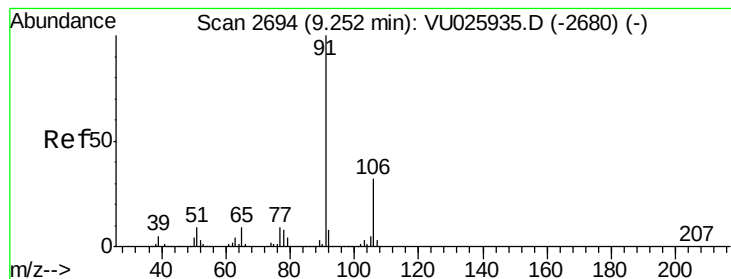
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.1	120.9
188	4.3	3.4	5.2



#51
 Chlorobenzene
 Concen: 51.666 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.9	42.5
77	58.3	46.6	70.0





#52

Ethylbenzene

Concen: 52.240 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

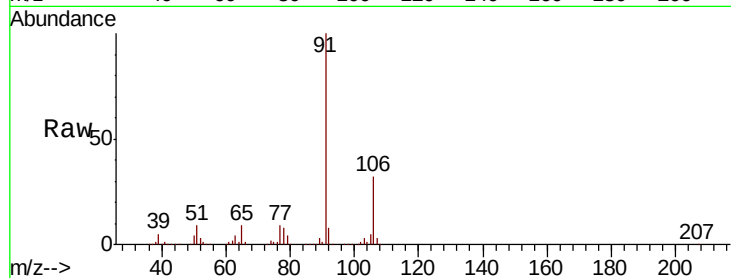
ClientSampleId :

Tot Ion: 91 Resp: 614001

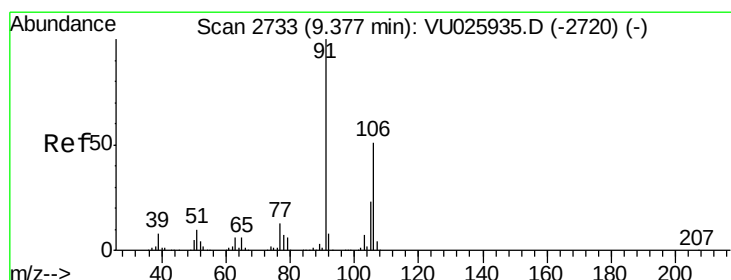
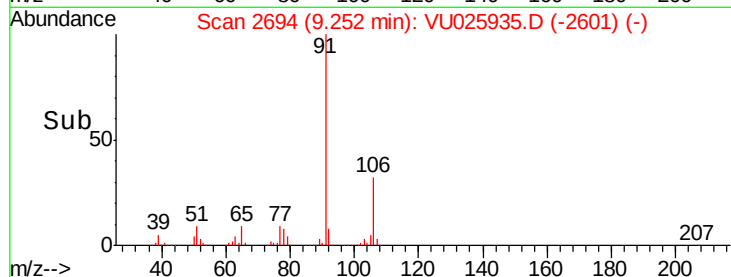
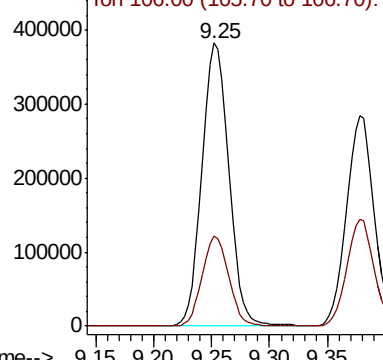
Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU025935.D (-2680) (-)



#53

m,p-Xylene

Concen: 51.588 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025935.D

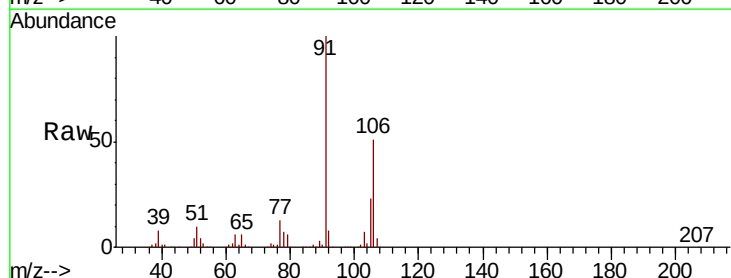
Acq: 07 Aug 2018 11:37

Tgt Ion: 106 Resp: 237855

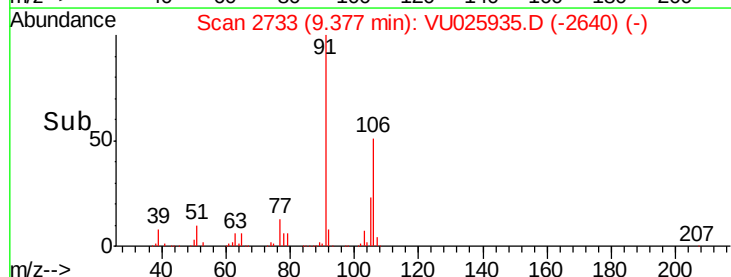
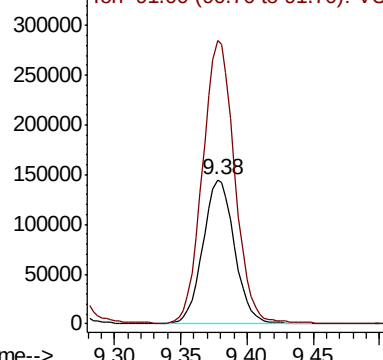
Ion Ratio Lower Upper

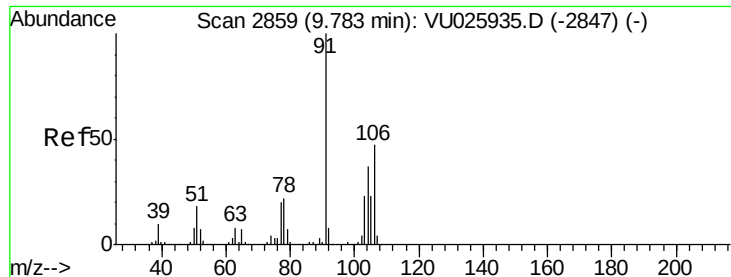
106 100

91 196.8 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): VU025935.D (-2720) (-)

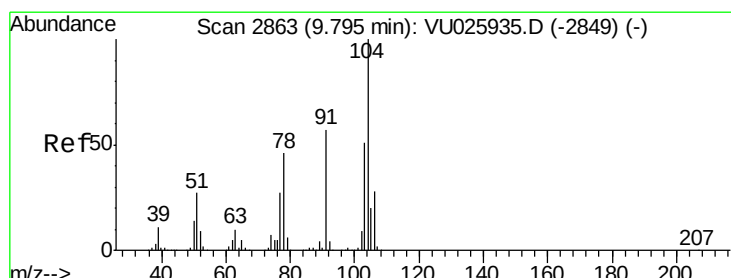
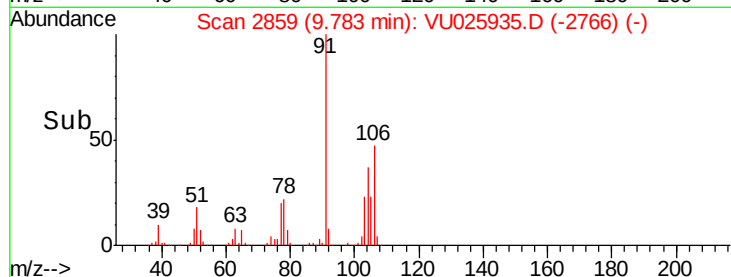
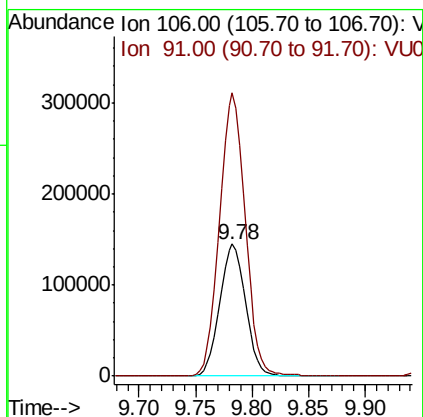
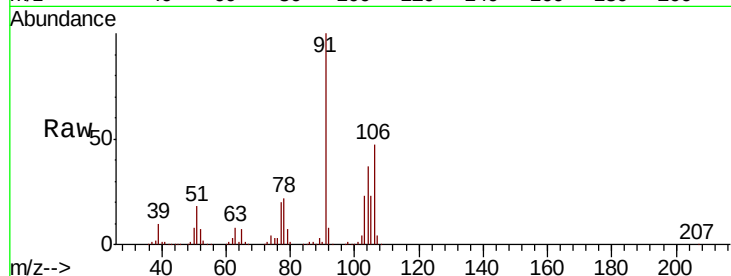




#54
o-xylene
Concen: 52.743 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

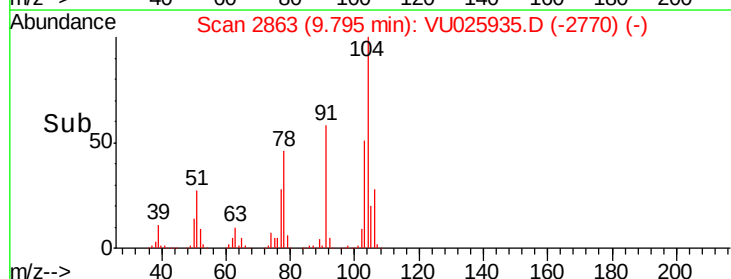
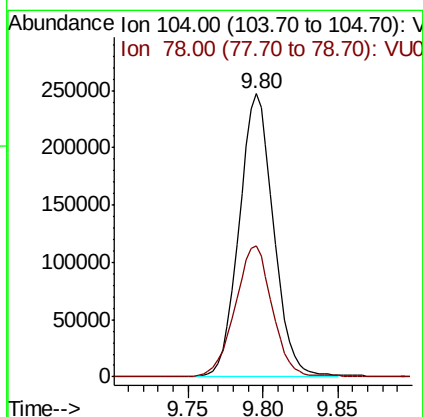
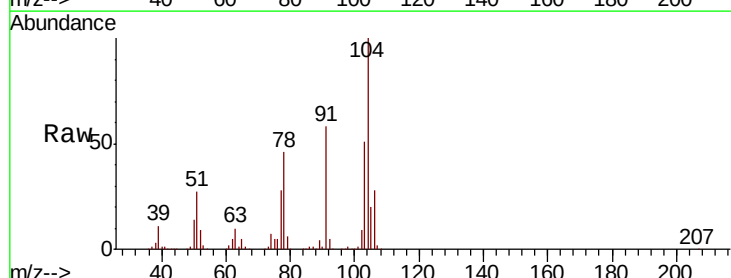
Instrument :
MSVOA_U
ClientSampleId :

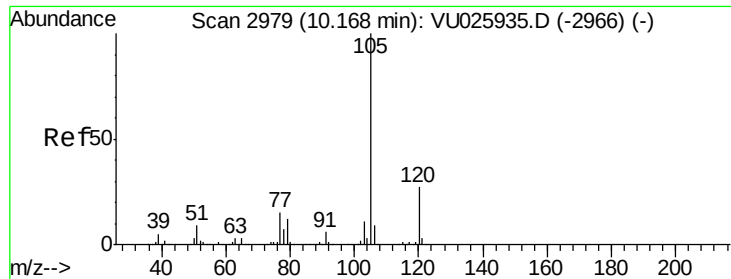
Tot Ion:106 Resp: 231561
Ion Ratio Lower Upper
106 100
91 214.5 150.1 278.9



#55
Styrene
Concen: 53.425 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025935.D
Acq: 07 Aug 2018 11:37

Tgt Ion:104 Resp: 395218
Ion Ratio Lower Upper
104 100
78 46.1 32.3 59.9





#56

Isopropylbenzene

Concen: 52.143 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampleId :

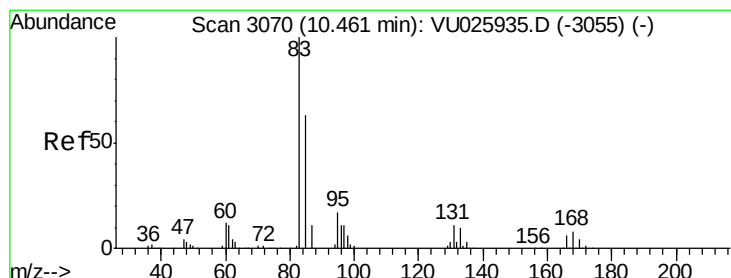
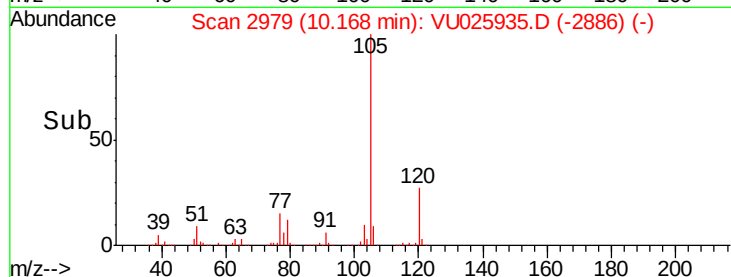
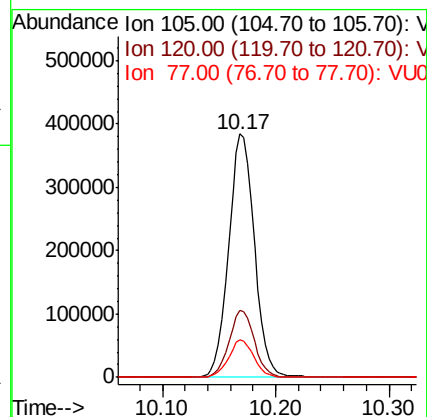
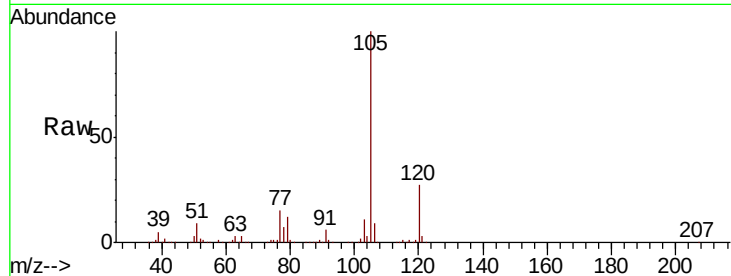
Tot Ion:105 Resp: 608437

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

77 15.1 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 51.516 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

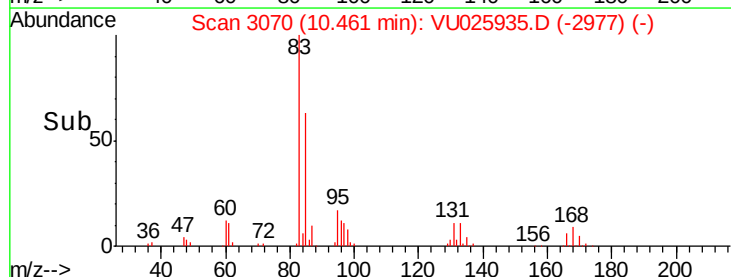
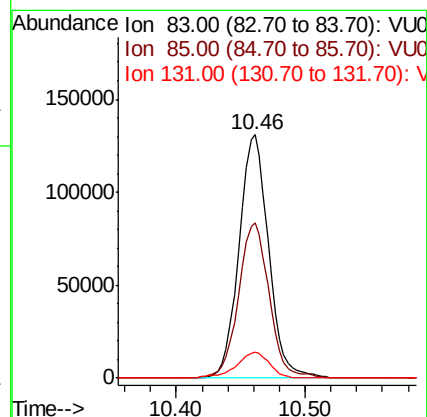
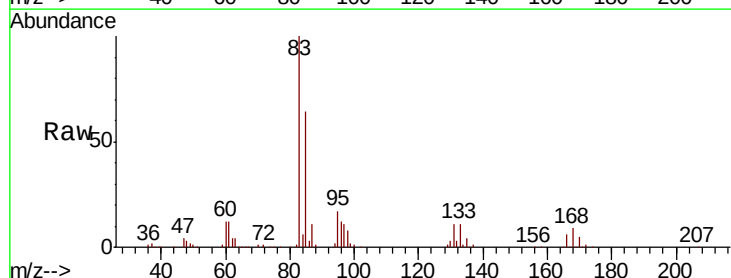
Tgt Ion: 83 Resp: 209234

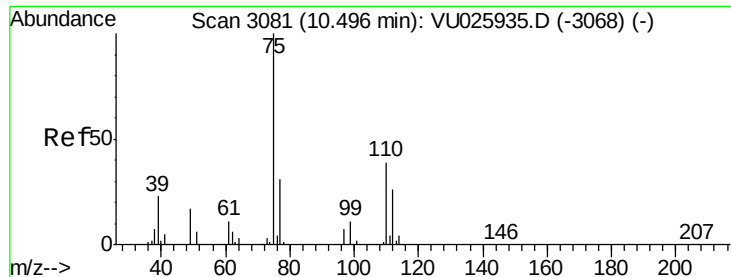
Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

131 10.7 8.6 12.8

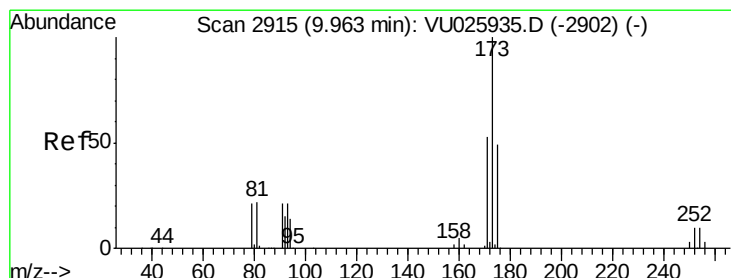
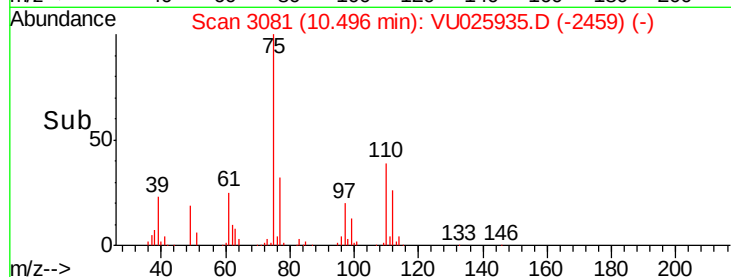
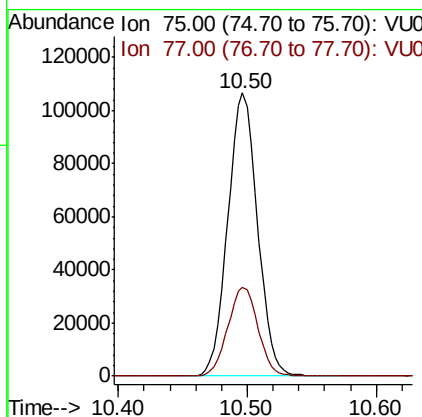
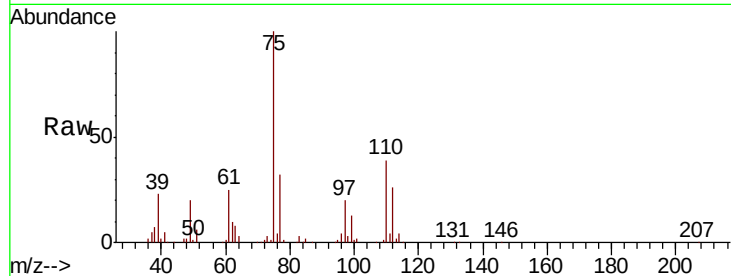




#59
 1,2,3-Trichloropropane
 Concen: 52.946 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

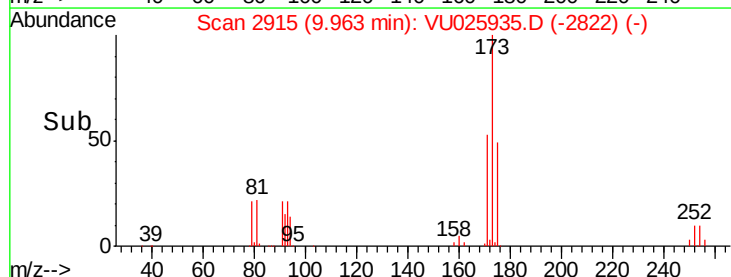
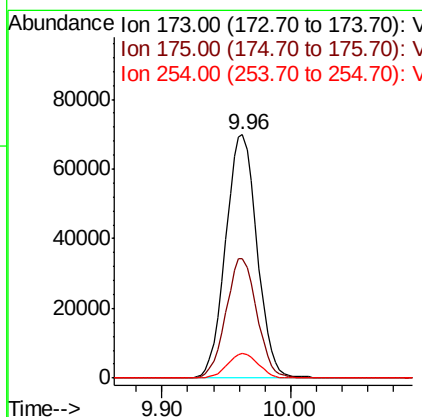
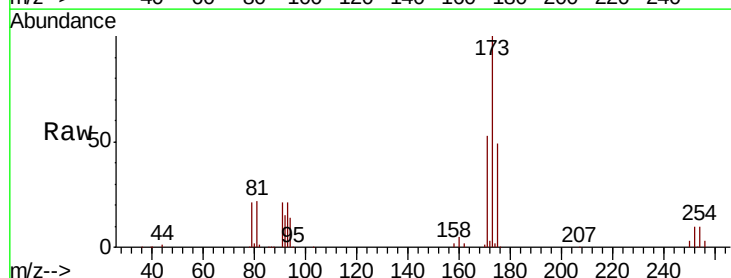
Instrument :
 MSVOA_U
 ClientSampled :

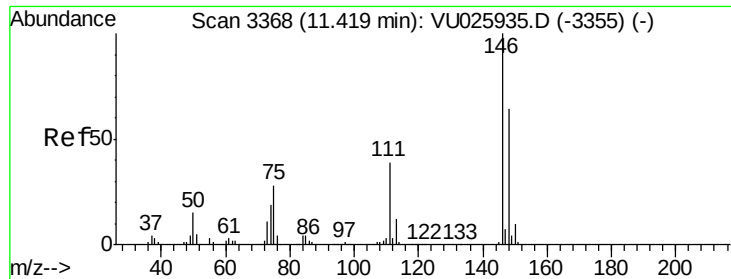
Tot Ion: 75 Resp: 170427
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 53.059 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion: 173 Resp: 118043
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 10.0 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 51.937 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampled :

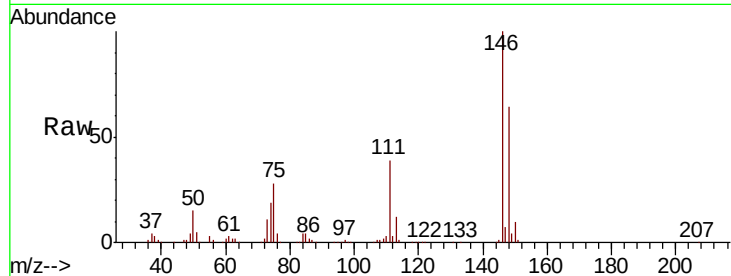
Tot Ion:146 Resp: 302723

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

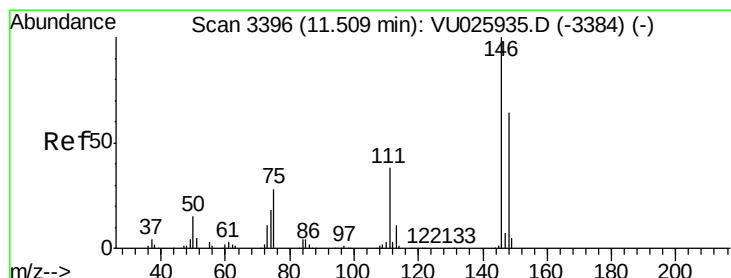
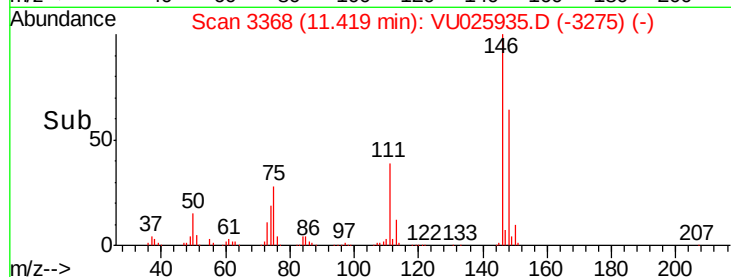
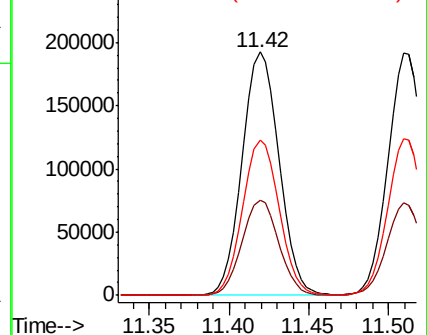
148 63.7 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.210 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

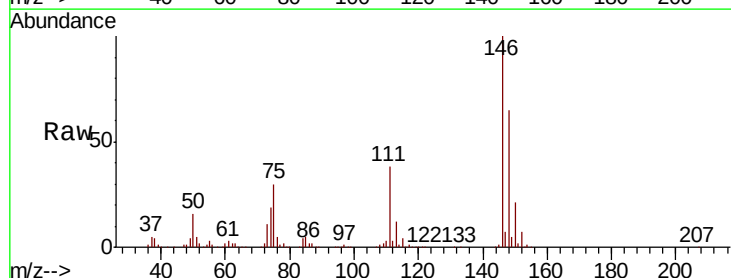
Tgt Ion:146 Resp: 304094

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

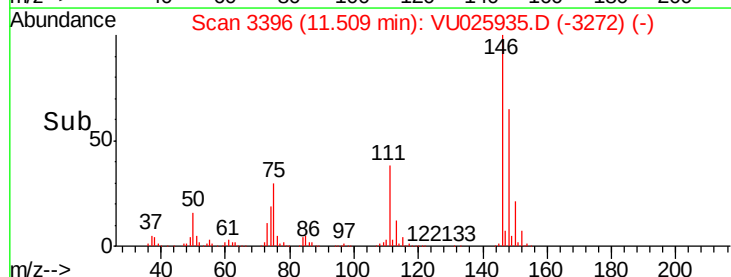
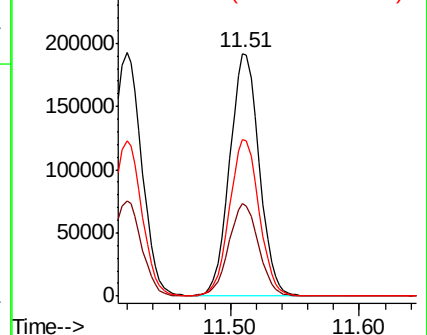
148 64.6 45.2 84.0

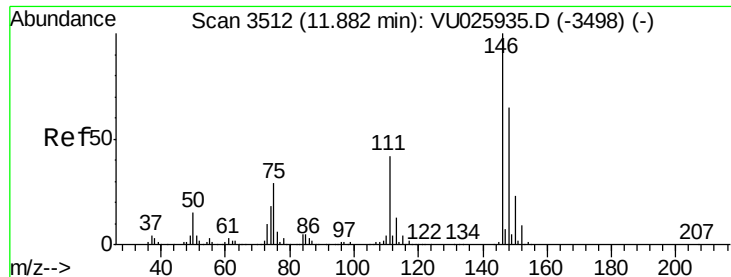


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

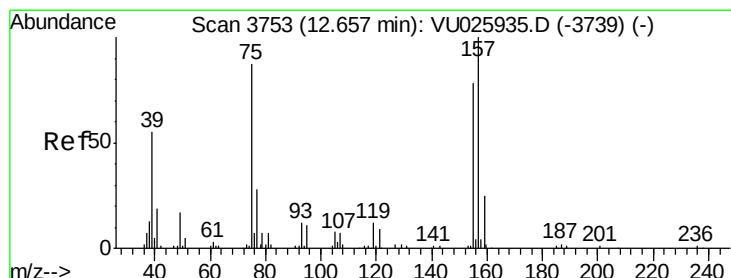
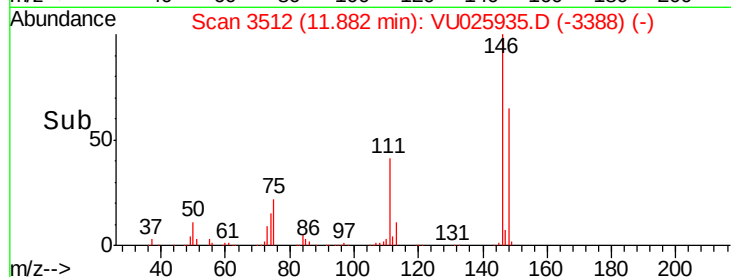
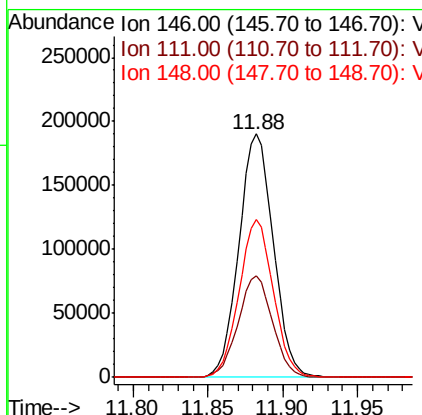
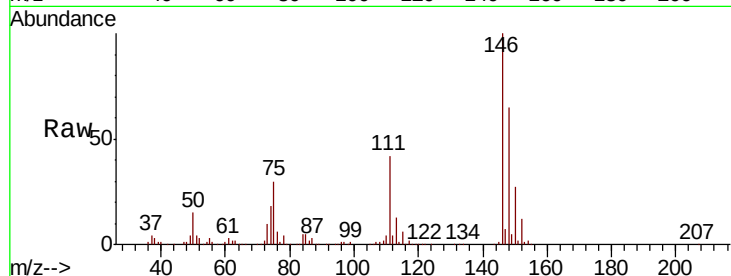




#65
 1,2-Dichlorobenzene
 Concen: 52.138 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

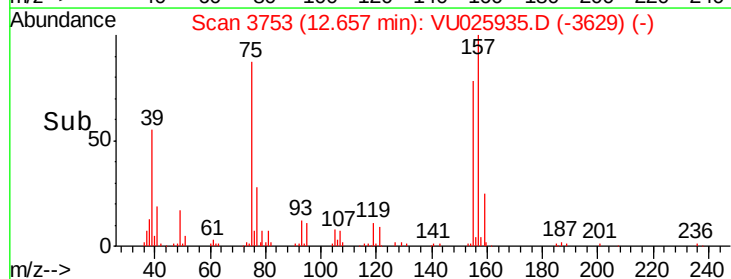
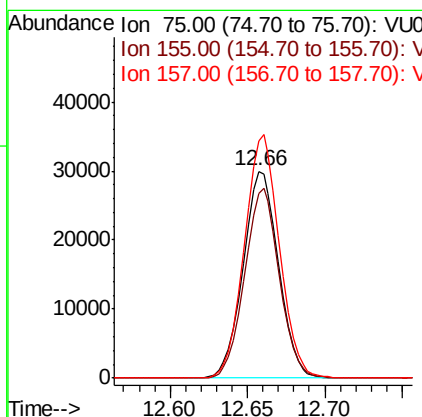
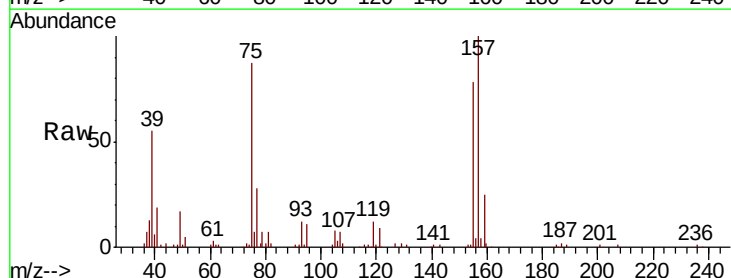
Instrument :
 MSVOA_U
 ClientSampleId :

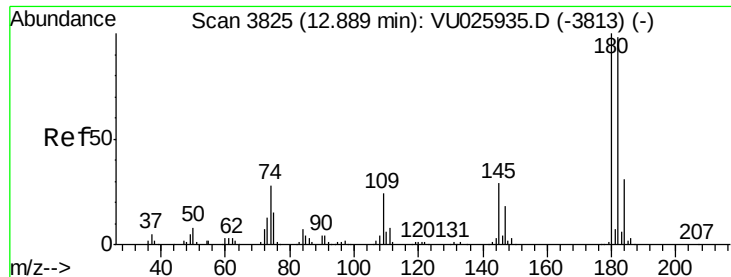
Tot Ion:146 Resp: 304714
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.4 50.0
 148 64.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.645 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion: 75 Resp: 47646
 Ion Ratio Lower Upper
 75 100
 155 89.3 71.4 107.2
 157 115.0 92.0 138.0

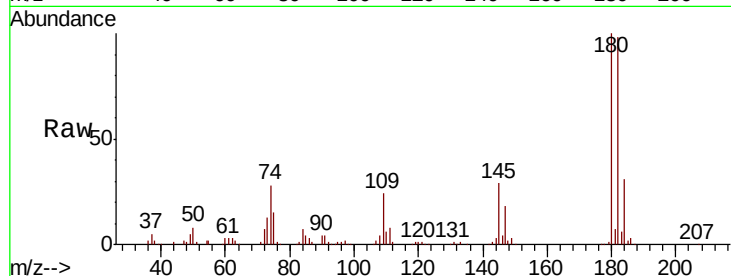




#67
 1,3,5-Trichlorobenzene
 Concen: 52.467 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	30.8	24.6	37.0
145	29.2	23.4	35.0



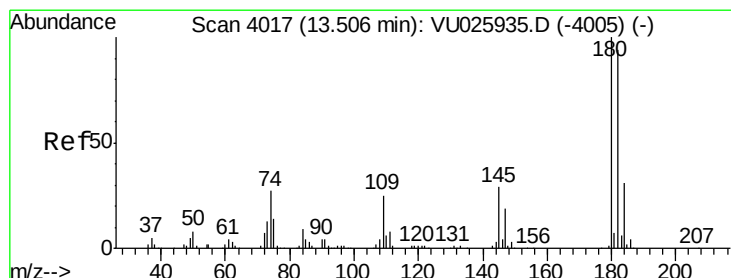
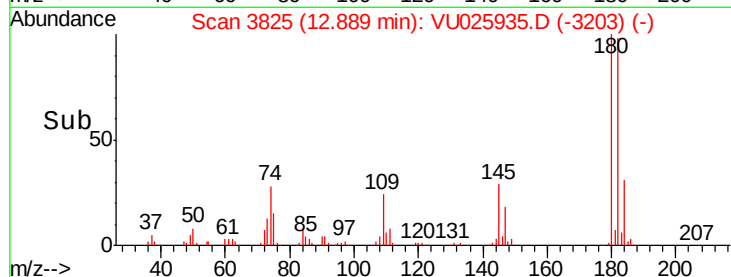
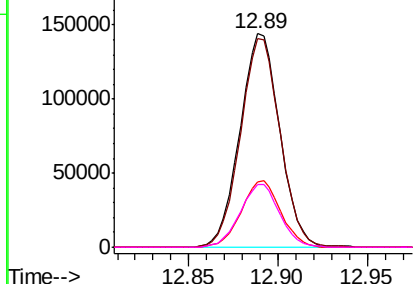
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

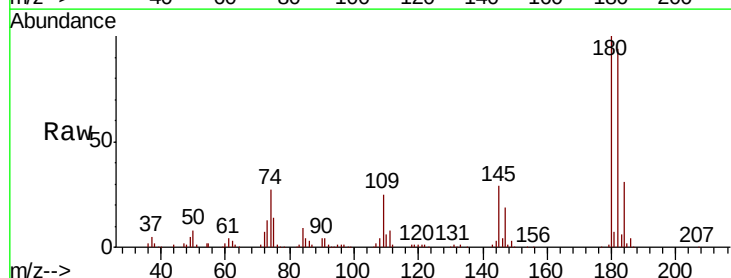
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.229 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025935.D
 Acq: 07 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	28.9	23.1	34.7

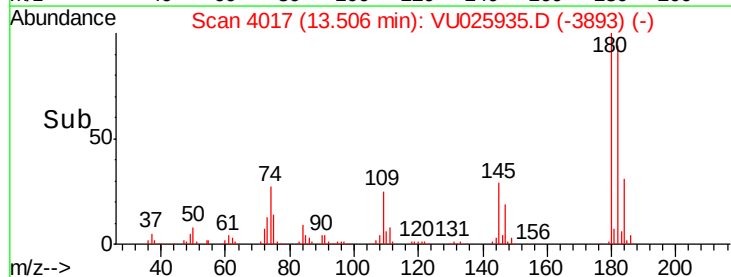
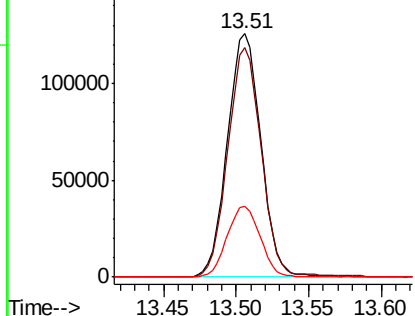


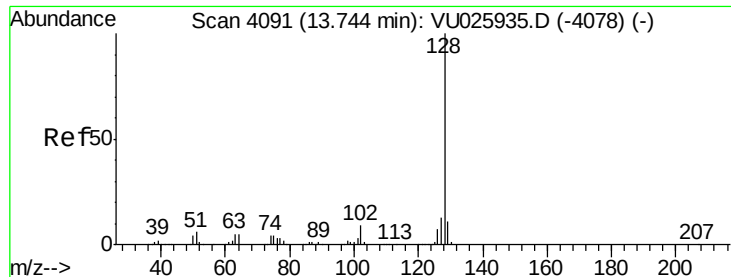
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.295 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

Instrument :

MSVOA_U

ClientSampleId :

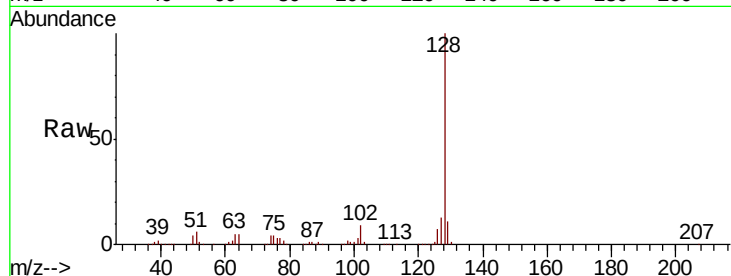
Tot Ion:128 Resp: 605721

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

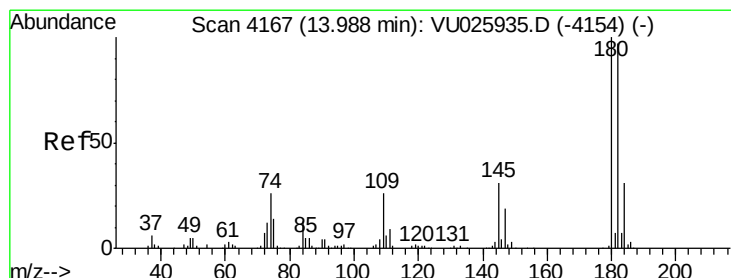
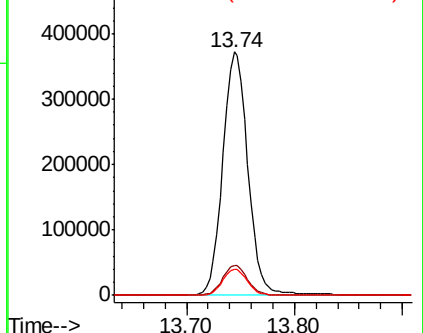
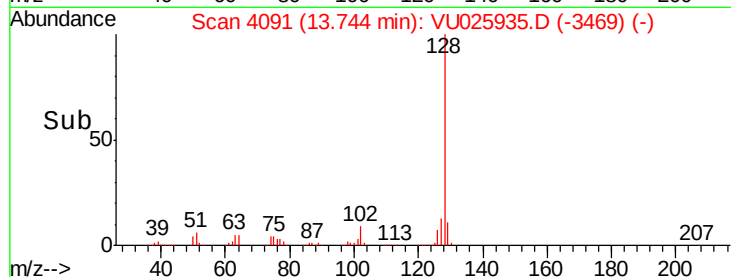
129 10.6 8.5 12.7



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



#70

1,2,3-Trichlorobenzene

Concen: 53.265 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025935.D

Acq: 07 Aug 2018 11:37

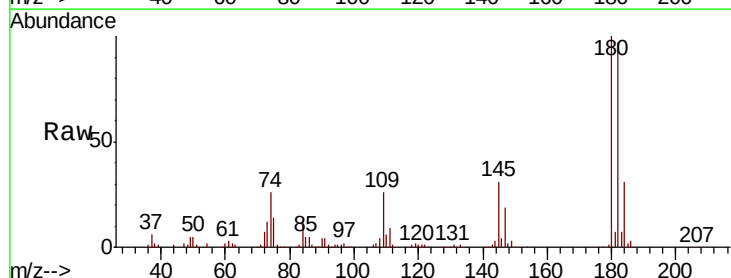
Tgt Ion:180 Resp: 203422

Ion Ratio Lower Upper

180 100

182 97.0 77.6 116.4

145 31.6 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

