

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025934.D
 Acq On : 07 Aug 2018 11:14
 Operator : MD/SY
 Sample : VSTD01041
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:27:16 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	379280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	362384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	189640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	21993	10.46	ug/L	0.00
7) Chloroethane-d5	1.68	69	16265	10.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	43265	10.63	ug/L	0.00
21) 2-Butanone-d5	4.18	46	29173	20.17	ug/L	0.00
24) Chloroform-d	4.65	84	41688	10.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	27927	10.40	ug/L	0.00
32) Benzene-d6	5.35	84	81979	10.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	25568	10.30	ug/L	0.00
41) Toluene-d8	7.57	98	78915	10.18	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	12659	9.72	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	19505	18.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	34743	10.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	32961	10.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	28360	9.830	ug/L 96
3) Chloromethane	1.33	50	23602	9.723	ug/L 99
5) Vinyl chloride	1.41	62	25637	9.792	ug/L 99
6) Bromomethane	1.63	94	10365	8.940	ug/L 100
8) Chloroethane	1.70	64	14959	9.868	ug/L 99
9) Trichlorofluoromethane	1.89	101	37916	10.053	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	20221	9.700	ug/L 98
12) 1,1-Dichloroethene	2.29	96	18567	9.698	ug/L 96
13) Acetone	2.32	43	37496	21.903	ug/L 100
14) Carbon disulfide	2.48	76	66622	9.767	ug/L 96
15) Methyl Acetate	2.62	43	25692	9.828	ug/L 97
16) Methylene chloride	2.71	84	24856	9.963	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	23974	10.156	ug/L 93
18) Methyl tert-butyl Ether	3.00	73	72874	9.710	ug/L 99
19) 1,1-Dichloroethane	3.45	63	42437	9.912	ug/L 96
20) cis-1,2-Dichloroethene	4.23	96	25857	9.804	ug/L 98
22) 2-Butanone	4.27	43	41991	19.619	ug/L 99
23) Bromochloromethane	4.55	128	13482	9.736	ug/L 93
25) Chloroform	4.68	83	43993	9.699	ug/L 99
27) 1,2-Dichloroethane	5.41	62	36020	9.959	ug/L 100
29) Cyclohexane	5.00	56	37107	9.717	ug/L 98
30) 1,1,1-Trichloroethane	4.92	97	41009	9.942	ug/L 96
31) Carbon tetrachloride	5.14	117	34818	9.439	ug/L 99
33) Benzene	5.39	78	93103	9.829	ug/L 100
34) Trichloroethene	6.19	95	26231	9.951	ug/L 96
35) Methylcyclohexane	6.42	83	38567	9.666	ug/L 99
37) 1,2-Dichloropropane	6.44	63	24836	9.814	ug/L 100
38) Bromodichloromethane	6.76	83	32531	9.456	ug/L 98
39) cis-1,3-Dichloropropene	7.27	75	38444	9.327	ug/L 96
40) 4-Methyl-2-pentanone	7.46	43	62706	18.171	ug/L 98

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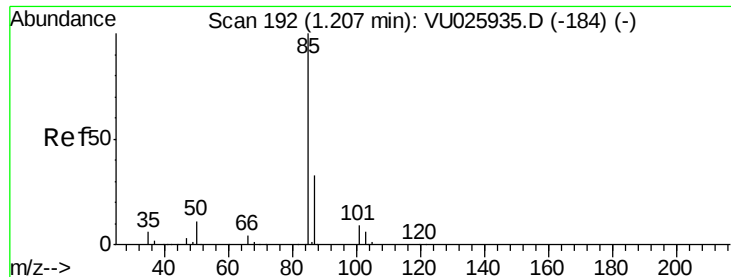
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:27:16 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)

42) Toluene	7.64	91	99324	9.608	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	35610	9.140	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	23279	9.630	ug/L	98
46) Tetrachloroethene	8.23	164	22365	9.871	ug/L	99
48) 2-Hexanone	8.37	43	49837	17.901	ug/L	99
49) Dibromochloromethane	8.48	129	27471	9.252	ug/L	97
50) 1,2-Dibromoethane	8.59	107	26180	9.655	ug/L	100
51) Chlorobenzene	9.12	112	68542	9.683	ug/L	95
52) Ethylbenzene	9.26	91	111655	9.494	ug/L	98
53) m,p-Xylene	9.38	106	44139	9.567	ug/L	99
54) o-xylene	9.78	106	41625	9.475	ug/L	91
55) Styrene	9.80	104	66539	8.989	ug/L	96
56) Isopropylbenzene	10.17	105	109132	9.347	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	38274	9.418	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	30516	9.474	ug/L	97
61) Bromoform	9.96	173	20321	9.384	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	56690	9.992	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	56839	9.833	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	56406	9.915	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8268	9.563	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	40901	9.783	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	32577	8.978	ug/L	97
69) Naphthalene	13.75	128	90977	8.532	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	34130	9.181	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.830 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

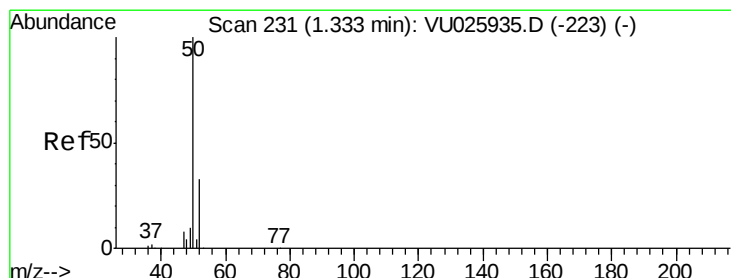
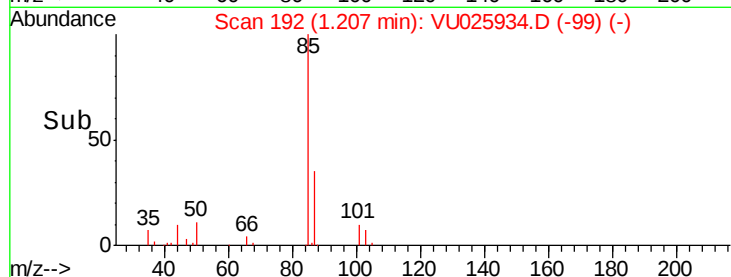
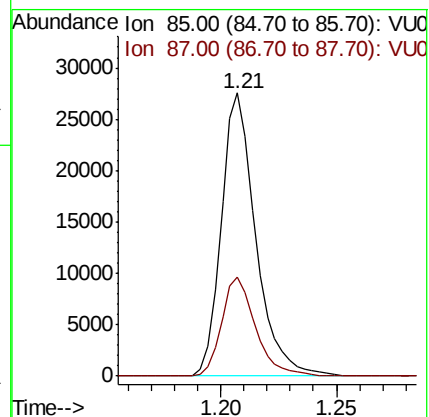
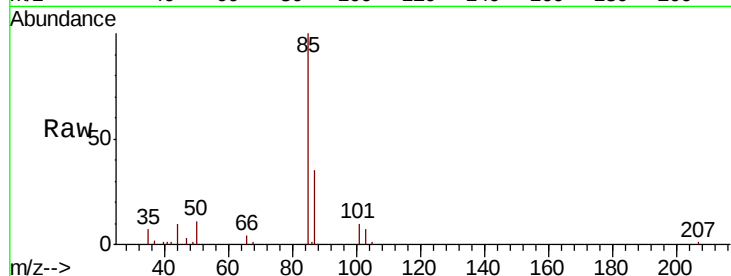
ClientSampleId :

Tot Ion: 85 Resp: 28360

Ion Ratio Lower Upper

85 100

87 34.5 26.0 39.0



#3

Chloromethane

Concen: 9.723 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU025934.D

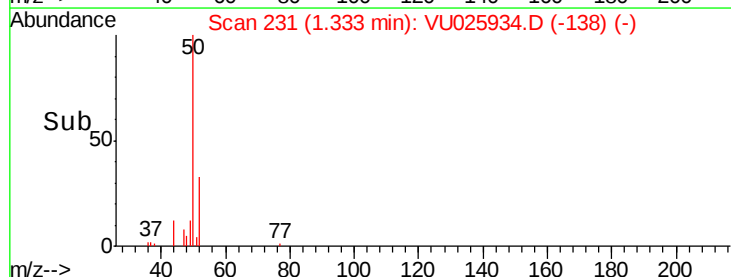
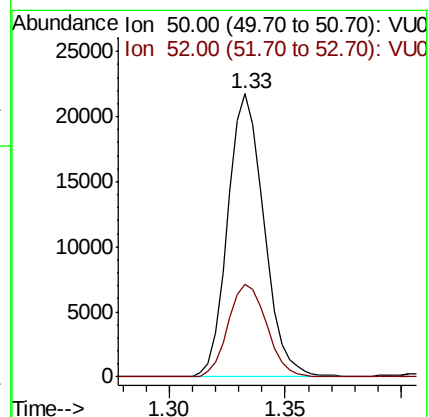
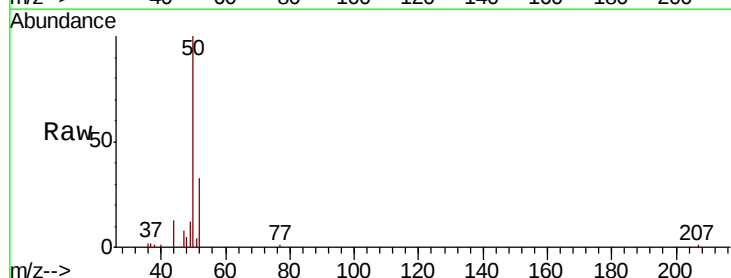
Acq: 07 Aug 2018 11:14

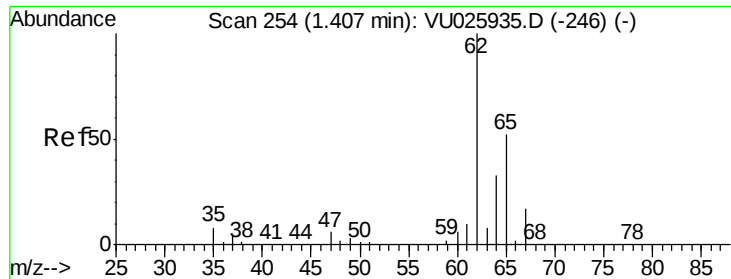
Tgt Ion: 50 Resp: 23602

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9





#5

Vinyl chloride

Concen: 9.792 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

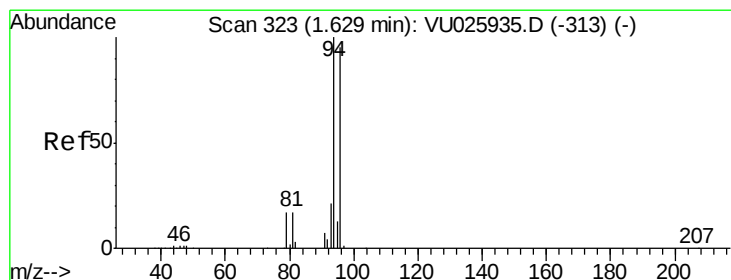
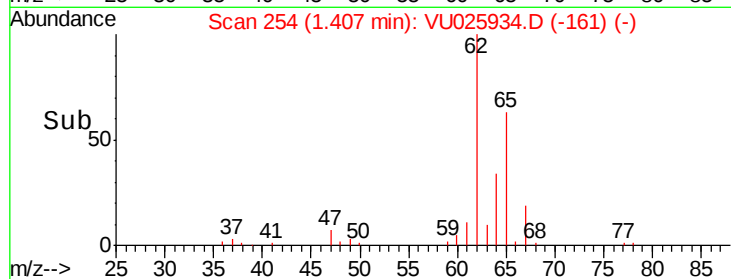
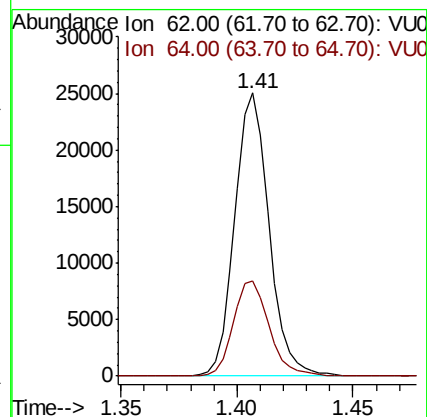
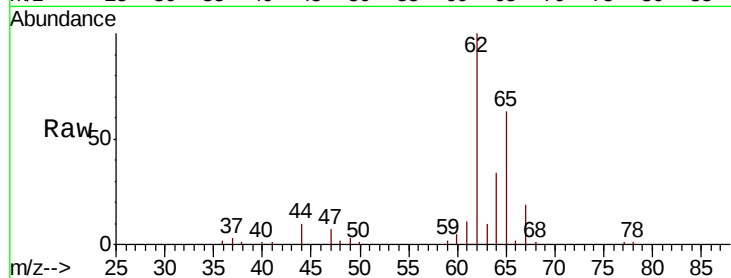
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 25637

Ion Ratio Lower Upper

62 100

64 33.8 23.1 42.9



#6

Bromomethane

Concen: 8.940 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025934.D

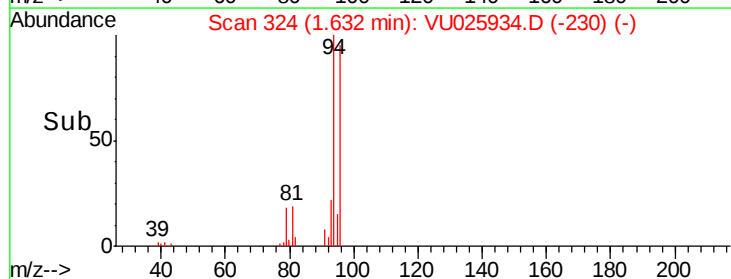
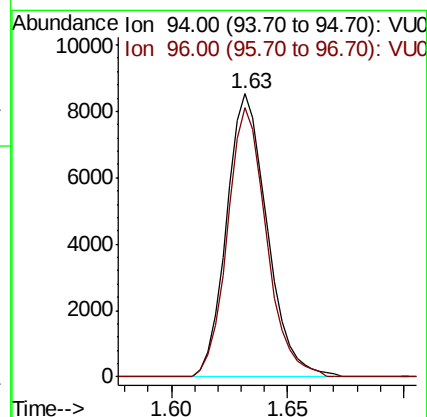
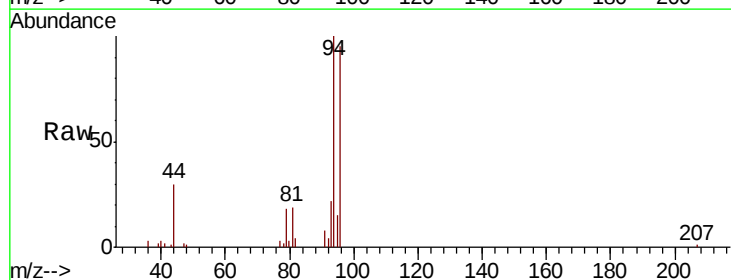
Acq: 07 Aug 2018 11:14

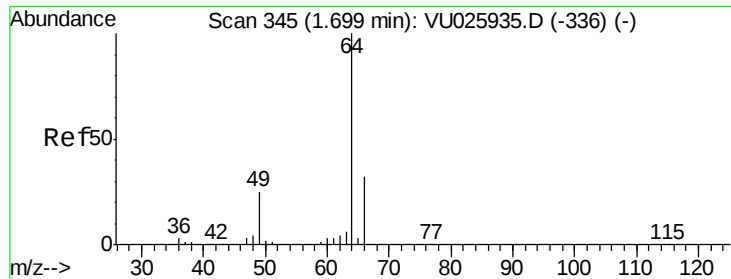
Tgt Ion: 94 Resp: 10365

Ion Ratio Lower Upper

94 100

96 95.0 66.6 123.6

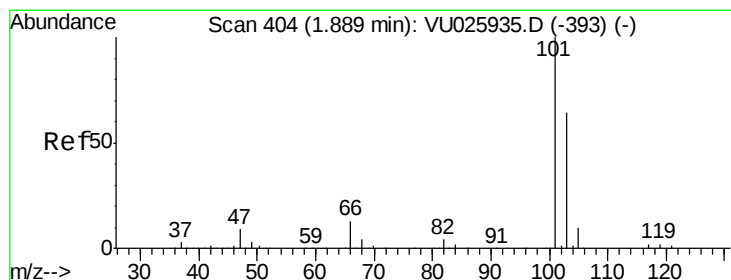
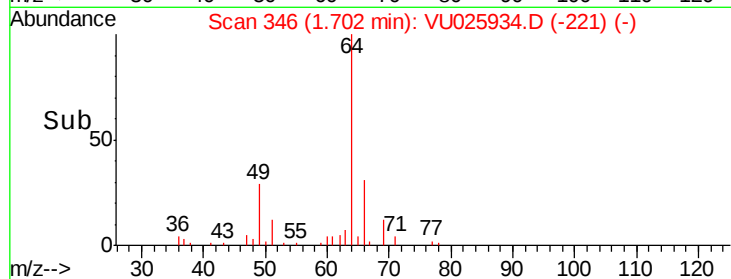
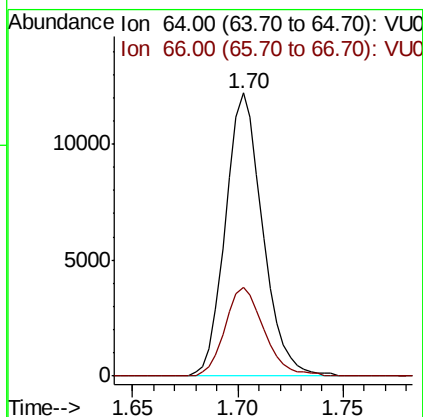
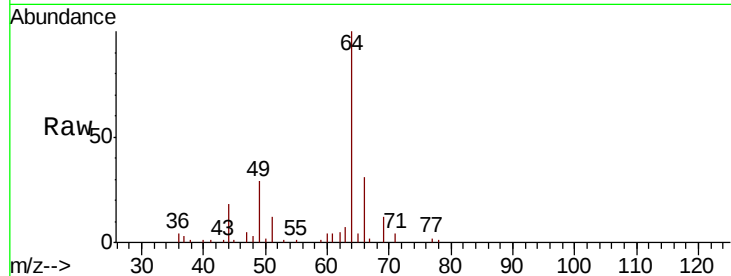




#8
Chloroethane
Concen: 9.868 ug/L
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

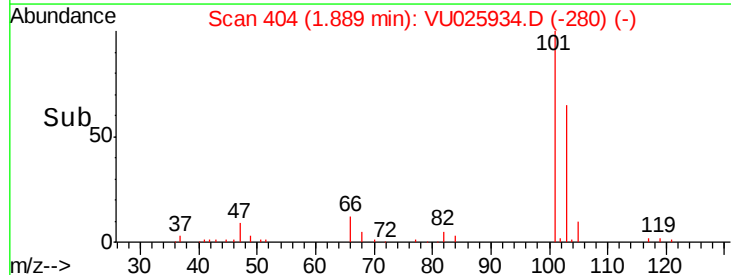
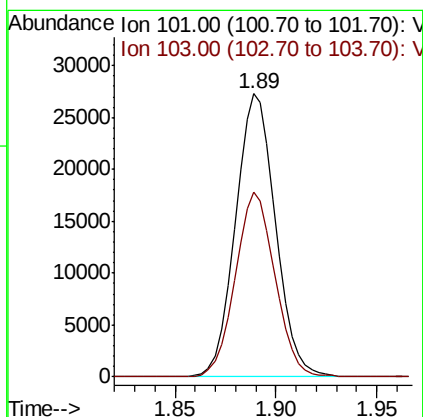
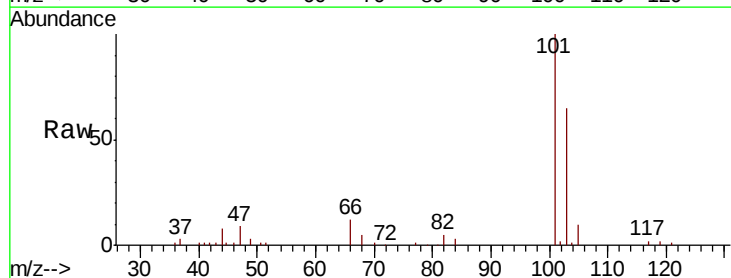
Instrument :
MSVOA_U
ClientSampleId :

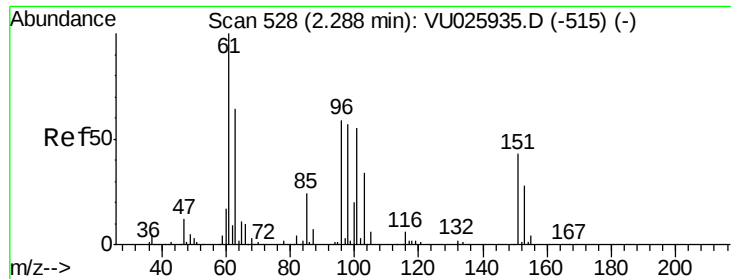
Tot Ion: 64 Resp: 14959
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 10.053 ug/L
RT: 1.89 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

Tgt Ion:101 Resp: 37916
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4





#10

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

Concen: 9.700 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

ClientSampleId :

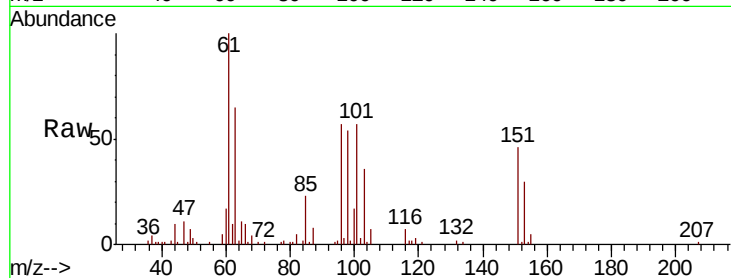
Tot Ion:101 Resp: 20221

Ion Ratio Lower Upper

101 100

85 45.6 34.6 51.8

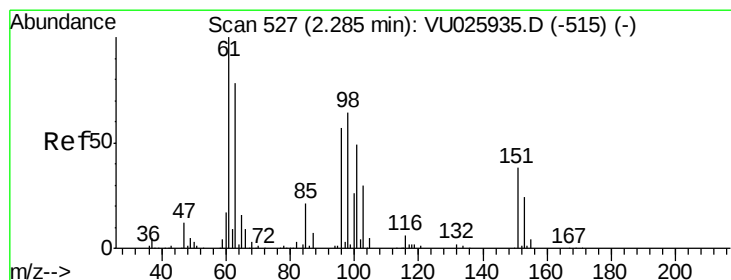
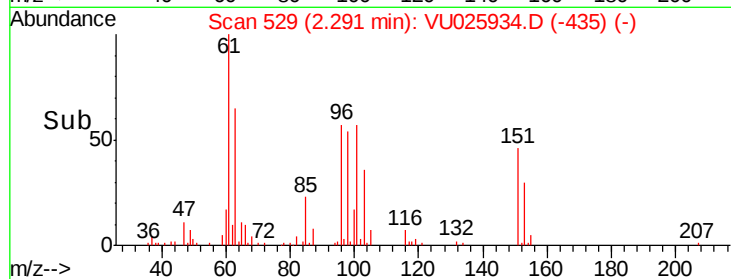
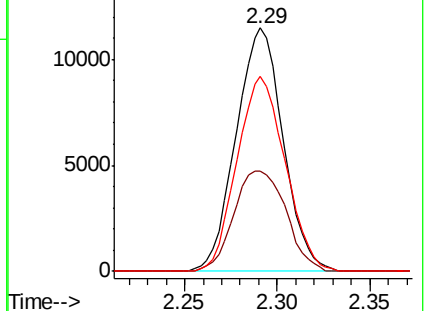
151 81.8 64.3 96.5



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: 9.698 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

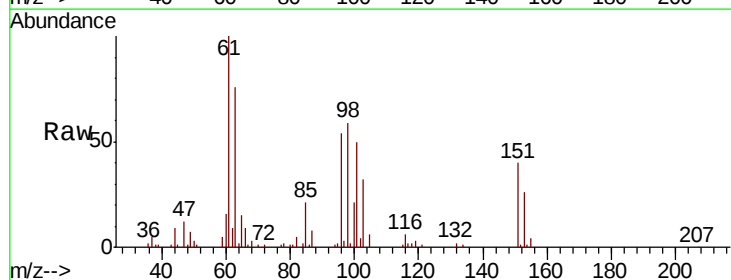
Tgt Ion: 96 Resp: 18567

Ion Ratio Lower Upper

96 100

61 185.3 123.0 228.4

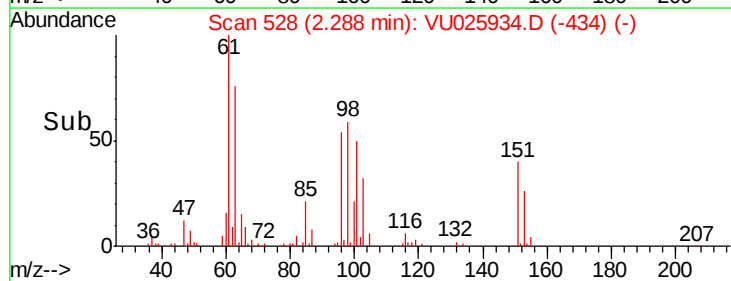
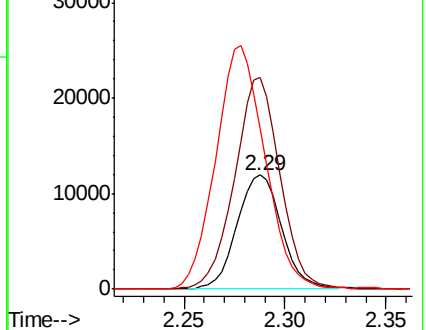
63 140.1 97.2 180.4

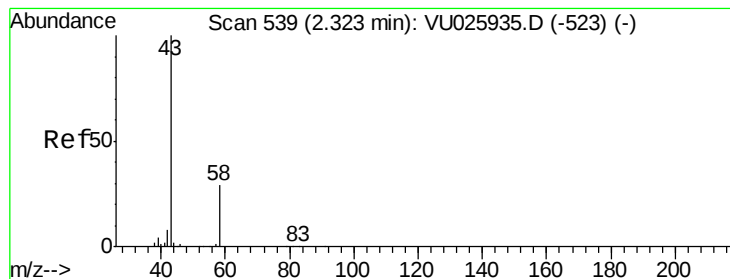


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.903 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

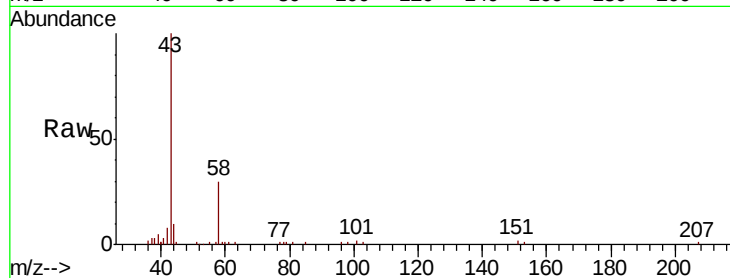
ClientSampleId :

Tot Ion: 43 Resp: 37496

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025935.D (-523) (-)

Ion 58.00 (57.70 to 58.70): VU025935.D (-523) (-)

25000

20000

15000

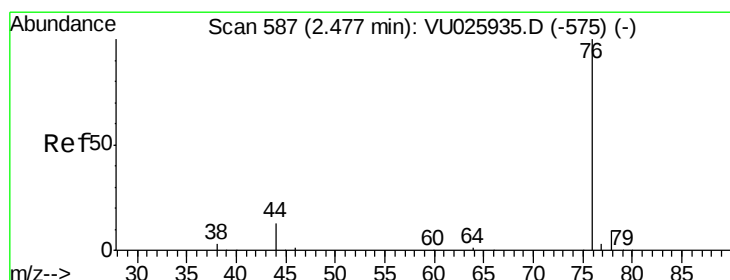
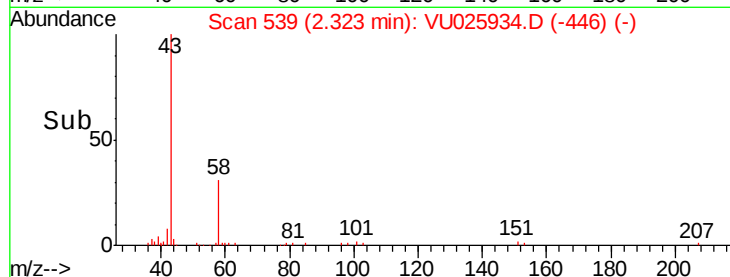
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 9.767 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025934.D

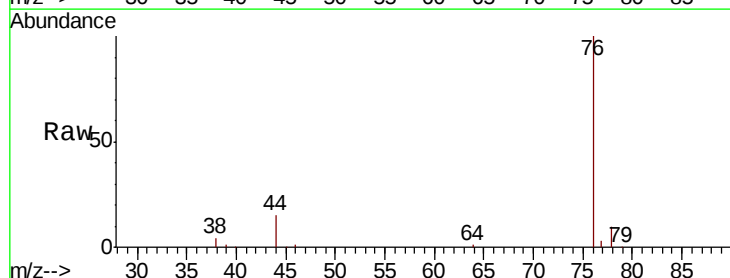
Acq: 07 Aug 2018 11:14

Tgt Ion: 76 Resp: 66622

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025935.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU025935.D (-575) (-)

50000

40000

30000

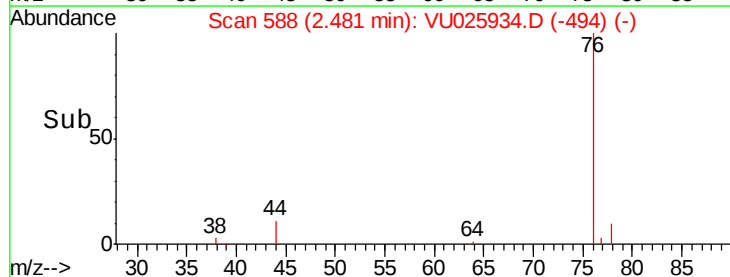
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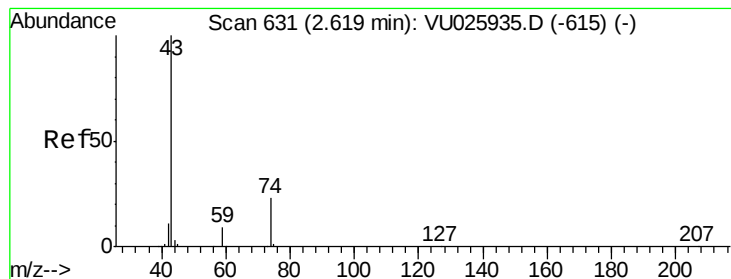
10000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 9.828 ug/L

RT: 2.62 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

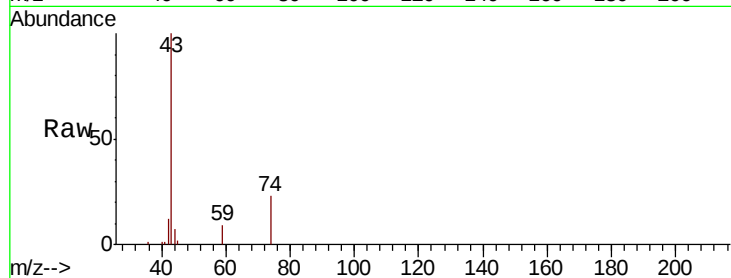
ClientSampleId :

Tot Ion: 43 Resp: 25692

Ion Ratio Lower Upper

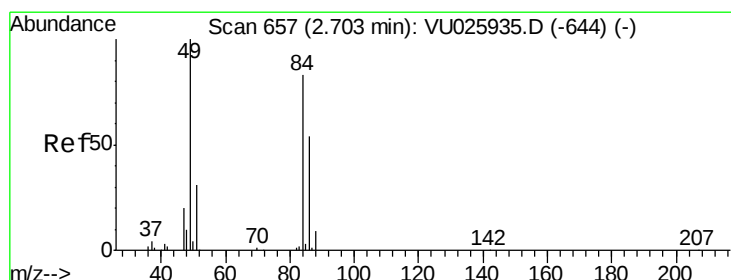
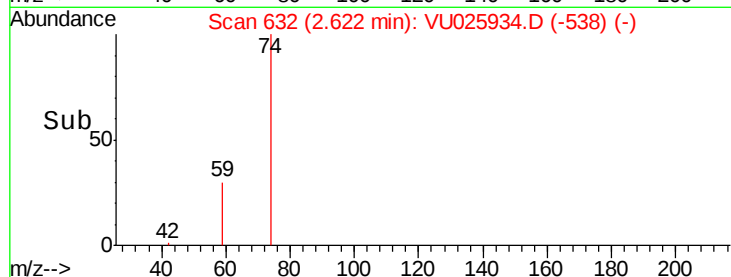
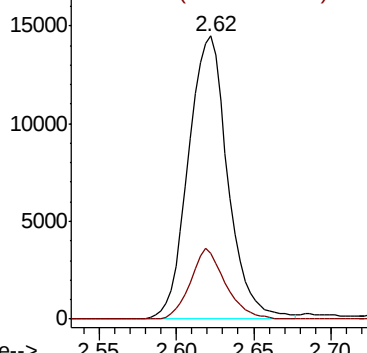
43 100

74 22.0 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: 9.963 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

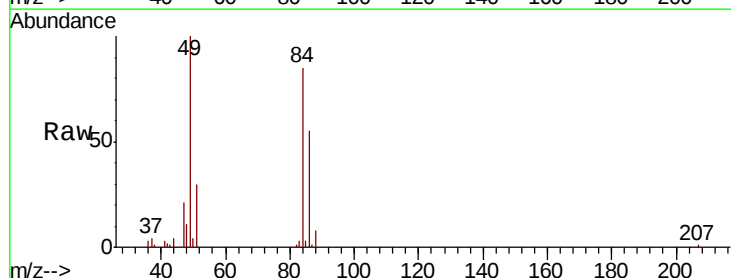
Tgt Ion: 84 Resp: 24856

Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

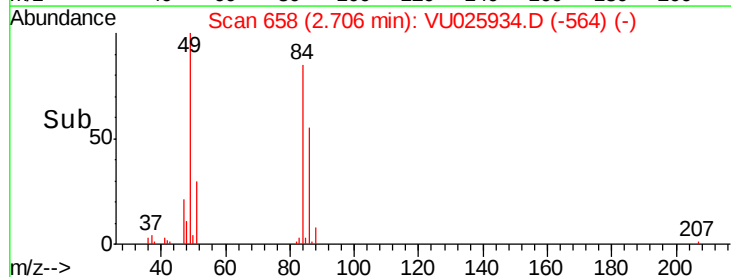
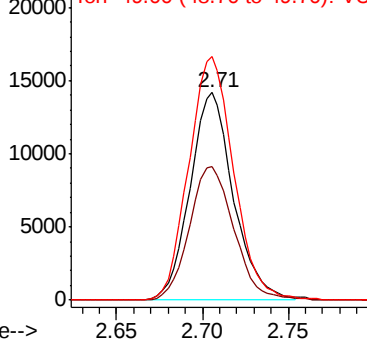
49 117.3 84.4 156.7

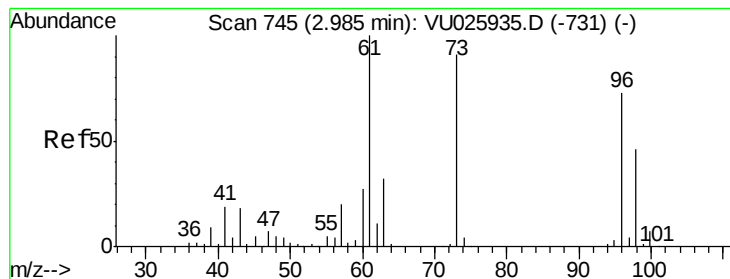


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 10.156 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :
MSVOA_U
ClientSampleId :

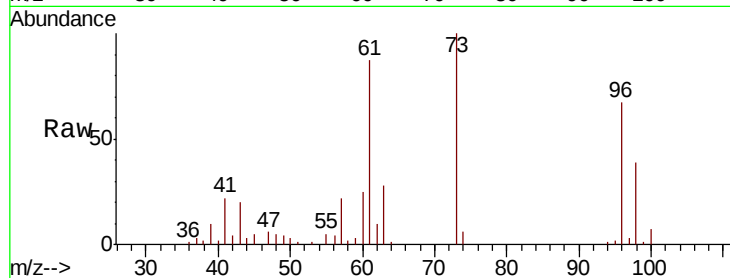
Tot Ion: 96 Resp: 23974

Ion Ratio Lower Upper

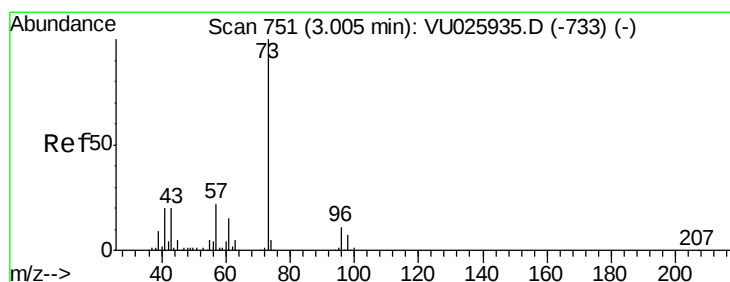
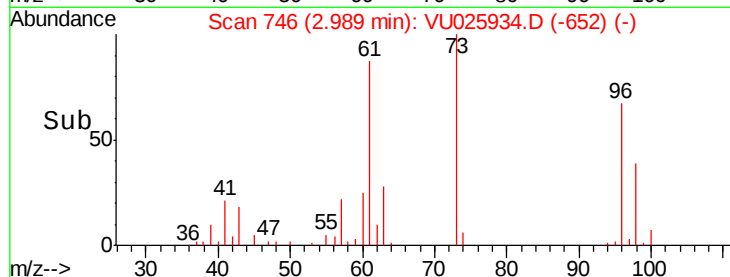
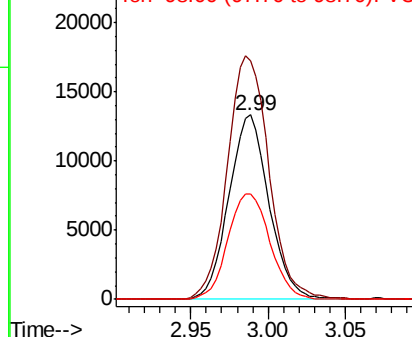
96 100

61 129.4 96.2 178.6

98 57.5 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: 9.710 ug/L

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

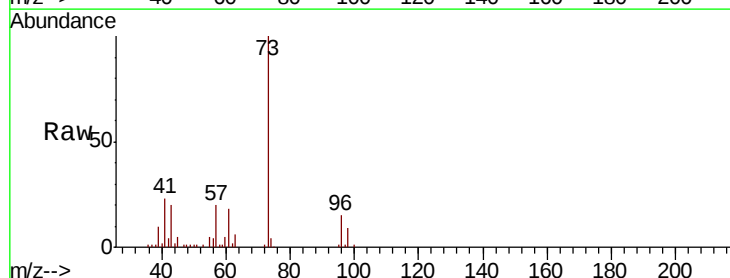
Tgt Ion: 73 Resp: 72874

Ion Ratio Lower Upper

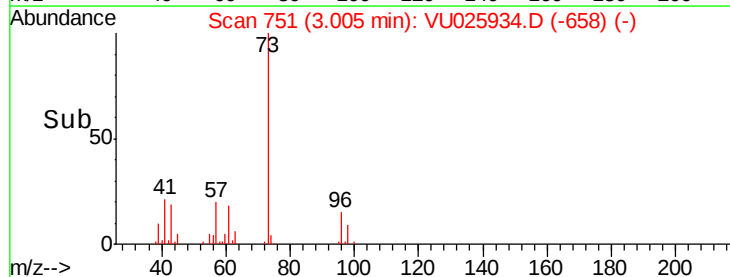
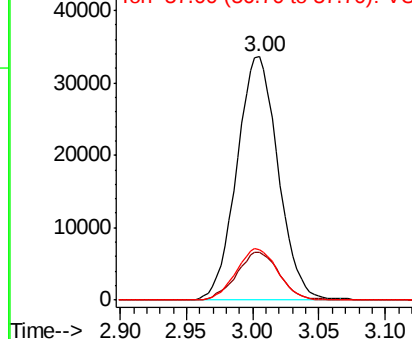
73 100

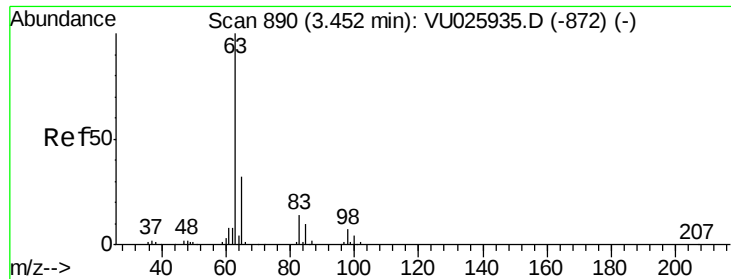
43 20.4 15.9 23.9

57 21.4 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

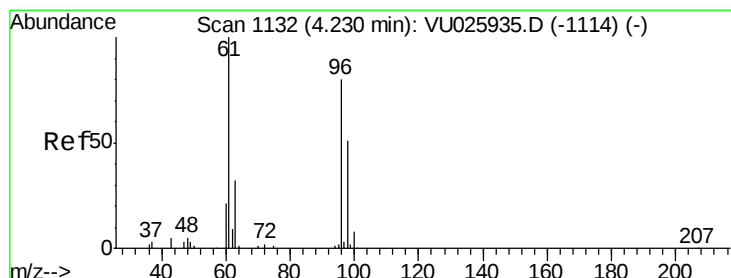
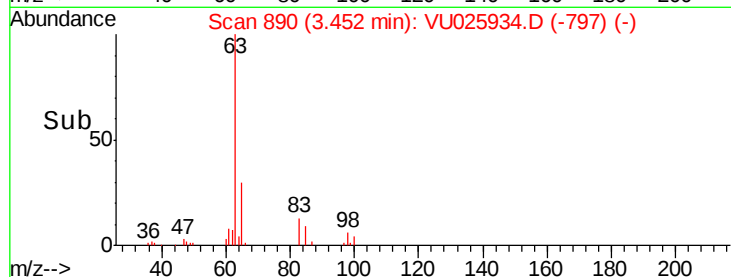
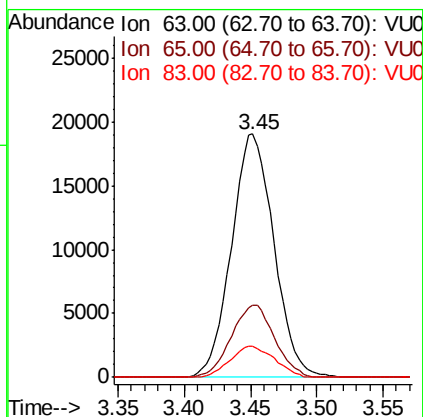
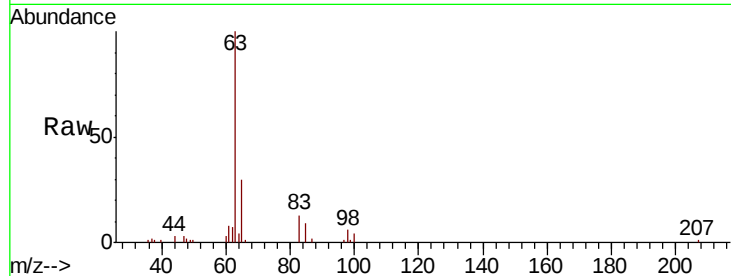




#19
 1,1-Dichloroethane
 Concen: 9.912 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

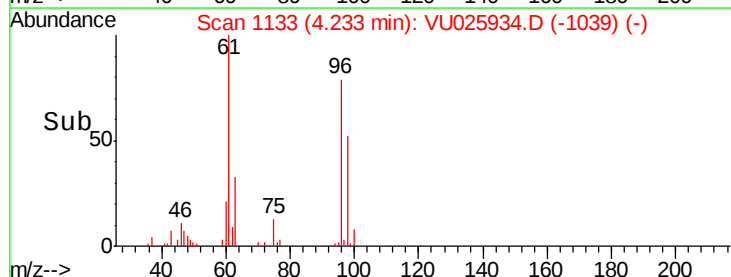
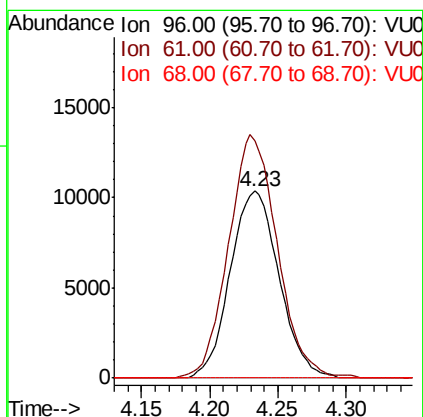
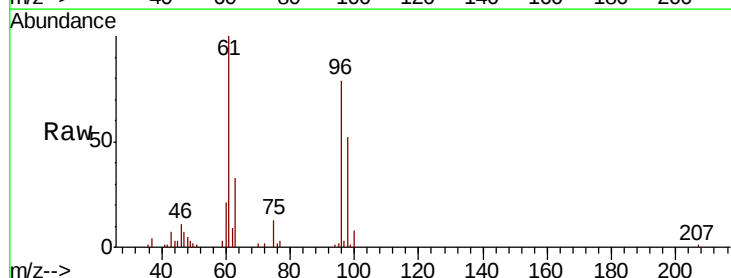
Instrument :
 MSVOA_U
 ClientSampled :

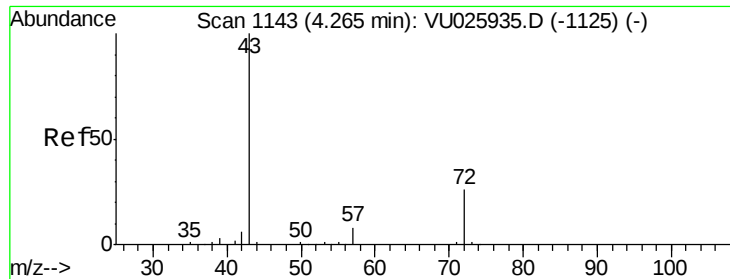
Tot Ion	63	Resp	42437
Ion Ratio	Lower	Upper	
63	100		
65	29.6	22.7	42.3
83	13.0	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 9.804 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion	96	Resp	25857
Ion Ratio	Lower	Upper	
96	100		
61	127.3	87.7	162.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 19.619 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

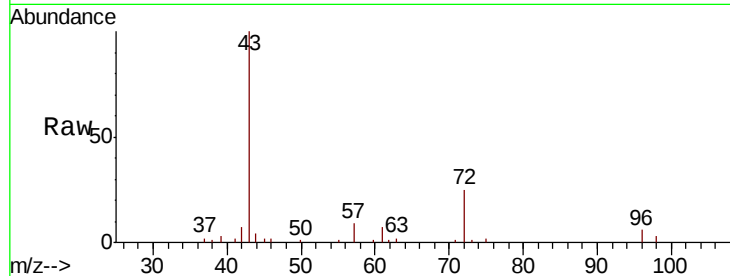
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 41991

Ion Ratio Lower Upper

43 100

72 26.4 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025934.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU025934.D (-1050) (-)

4.27

15000

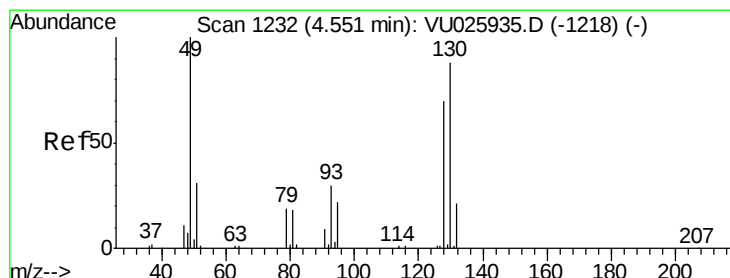
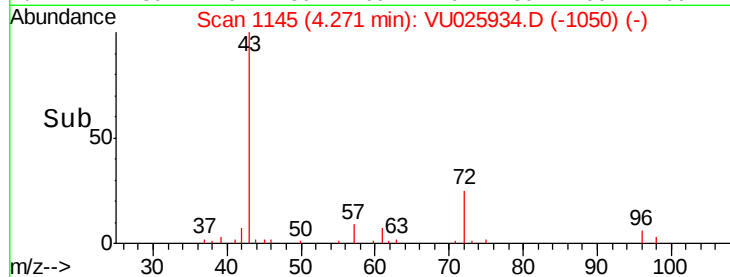
10000

5000

0

Time-->

4.20 4.30



#23

Bromochloromethane

Concen: 9.736 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Tgt Ion: 128 Resp: 13482

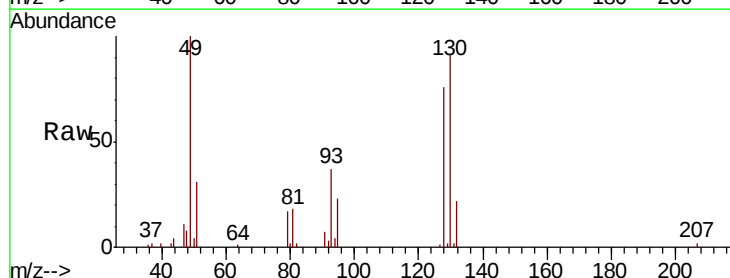
Ion Ratio Lower Upper

128 100

49 132.4 100.9 187.5

130 120.3 88.6 164.6

51 41.3 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU025934.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025934.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025934.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025934.D (-1139) (-)

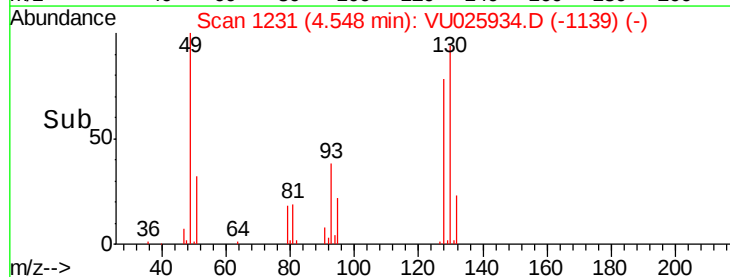
10000

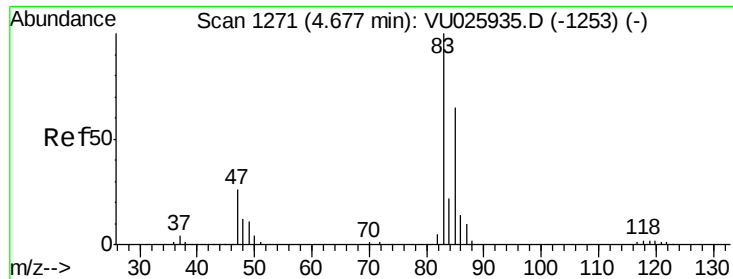
5000

0

Time-->

4.50 4.55 4.60

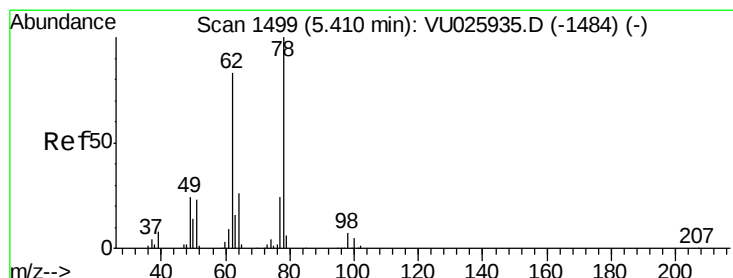
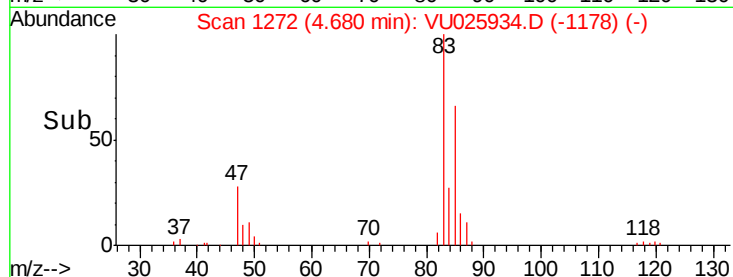
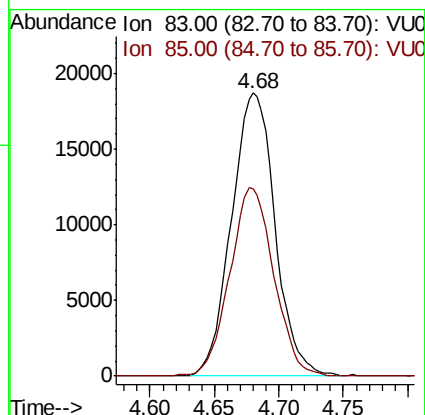
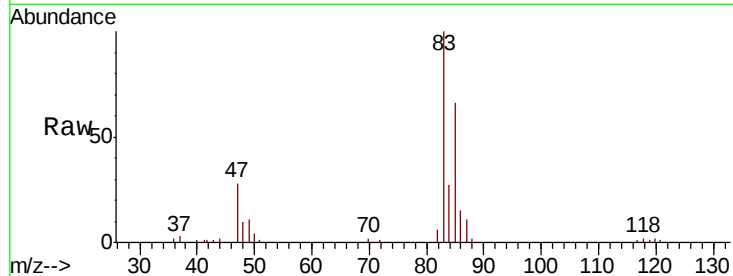




#25
Chloroform
Concen: 9.699 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

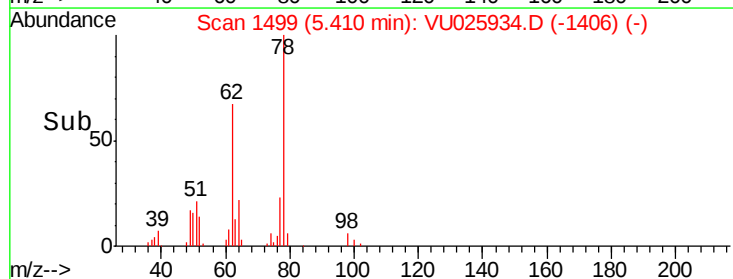
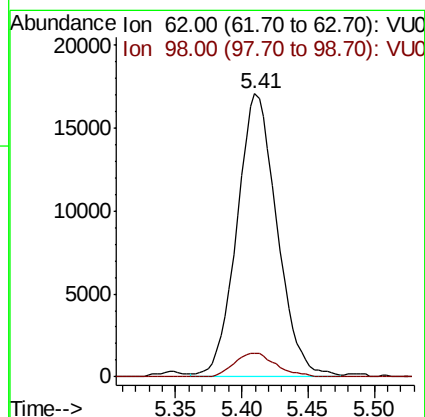
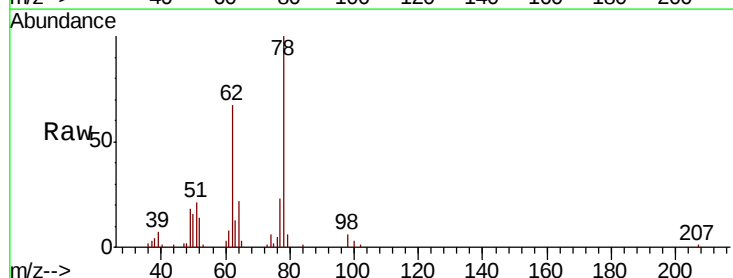
Instrument :
MSVOA_U
ClientSampleId :

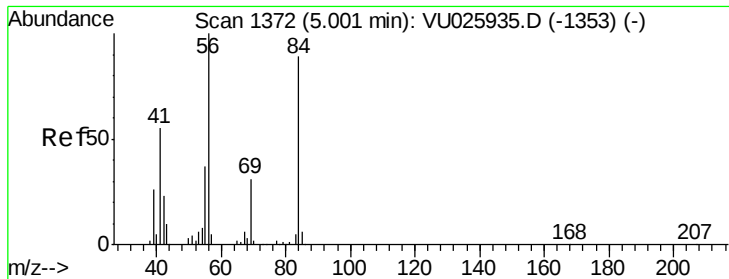
Tot Ion: 83 Resp: 43993
Ion Ratio Lower Upper
83 100
85 66.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.959 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

Tgt Ion: 62 Resp: 36020
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2





#29

Cyclohexane

Concen: 9.717 ug/L

RT: 5.00 min Scan# 1372

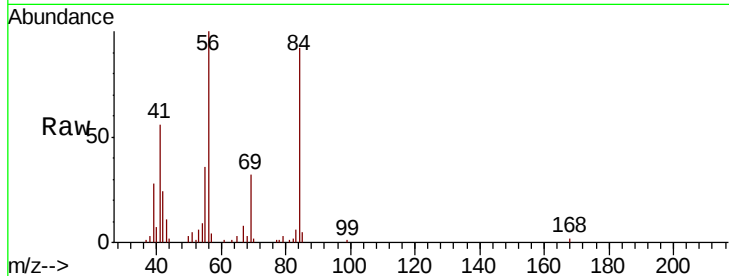
Delta R.T. -0.00 min

Lab File: VU025934.D

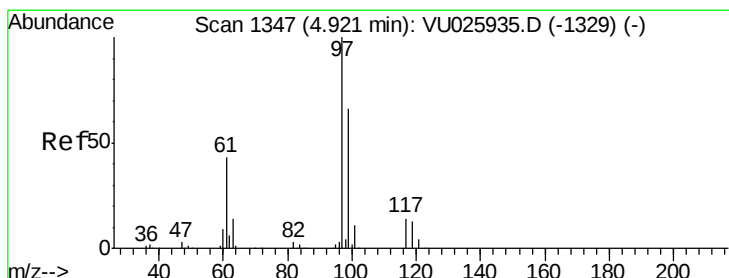
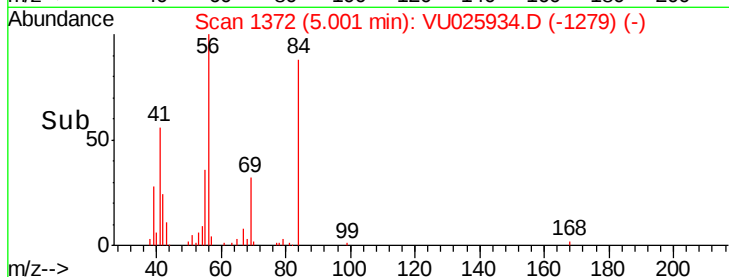
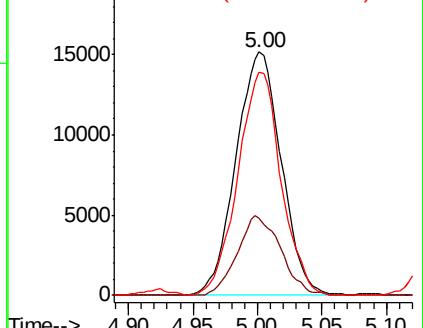
Acq: 07 Aug 2018 11:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	56	Resp:	37107
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	36.8
84	87.4	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: 9.942 ug/L

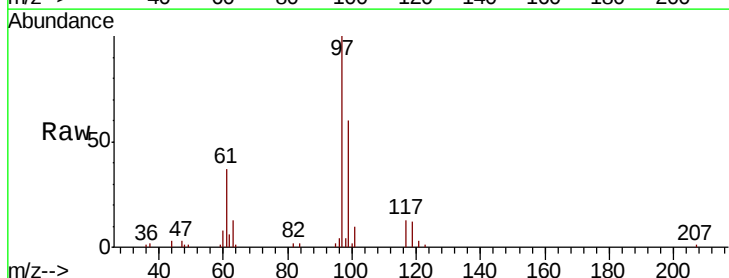
RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

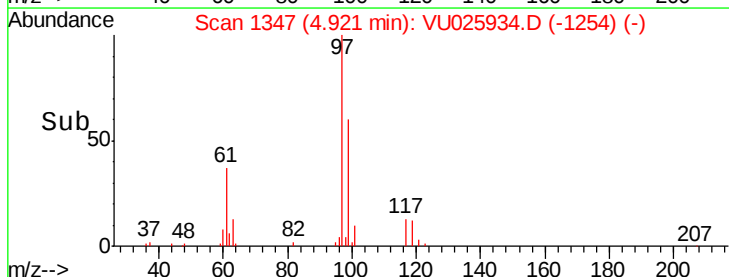
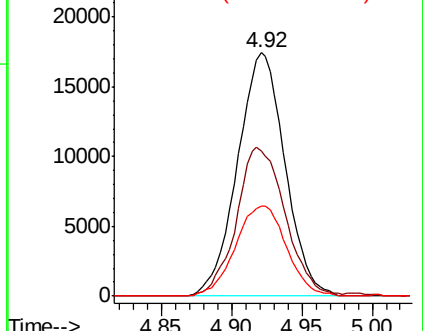
Lab File: VU025934.D

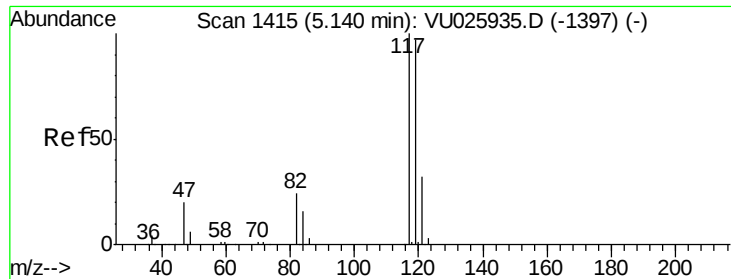
Acq: 07 Aug 2018 11:14

Tgt Ion:	97	Resp:	41009
Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.3	78.5
61	39.7	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

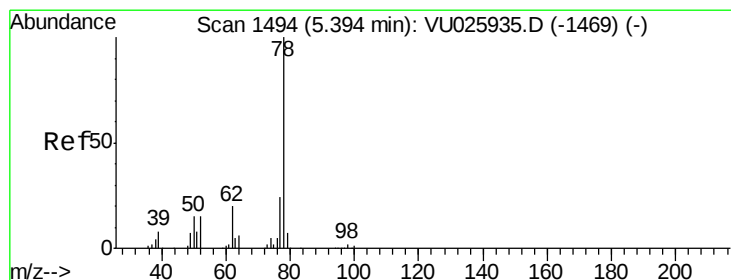
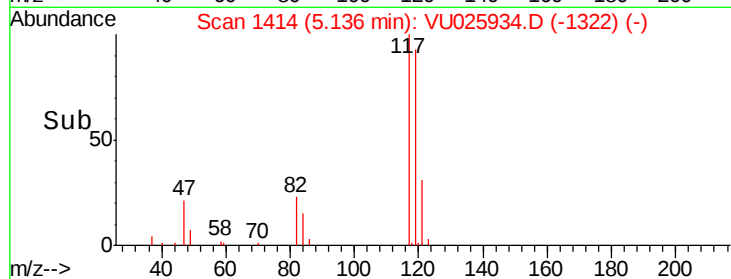
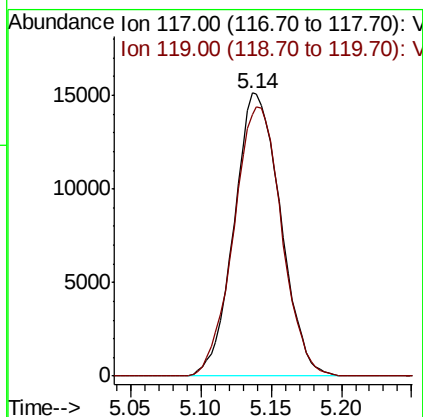
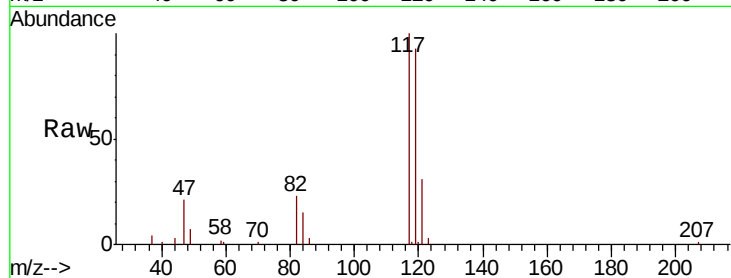




#31
Carbon tetrachloride
Concen: 9.439 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

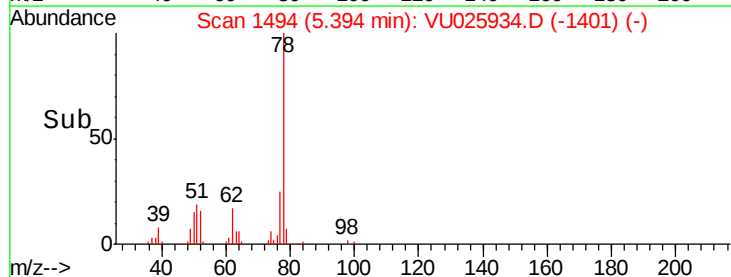
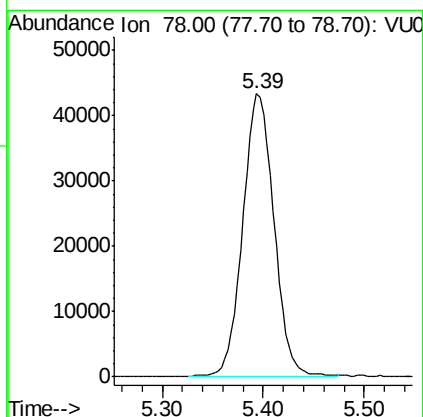
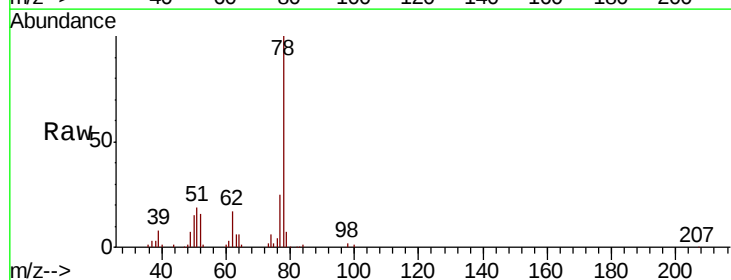
Instrument :
MSVOA_U
ClientSampleId :

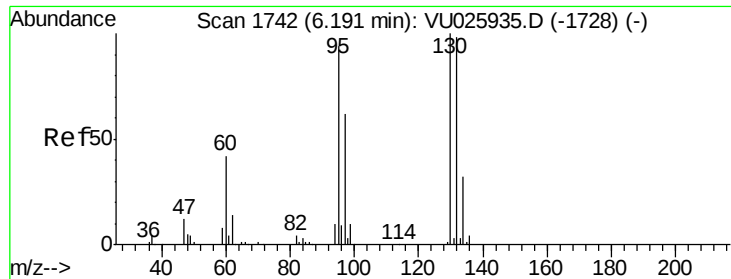
Tot Ion:117 Resp: 34818
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.8



#33
Benzene
Concen: 9.829 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

Tgt Ion: 78 Resp: 93103





#34

Trichloroethene

Concen: 9.951 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 26231

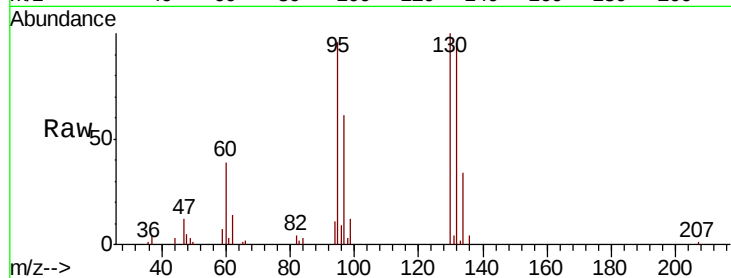
Ion Ratio Lower Upper

95 100

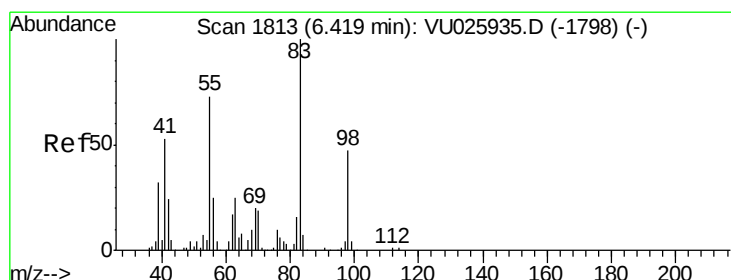
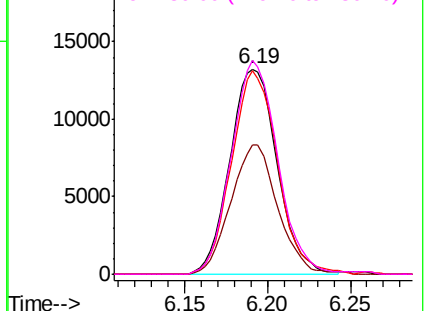
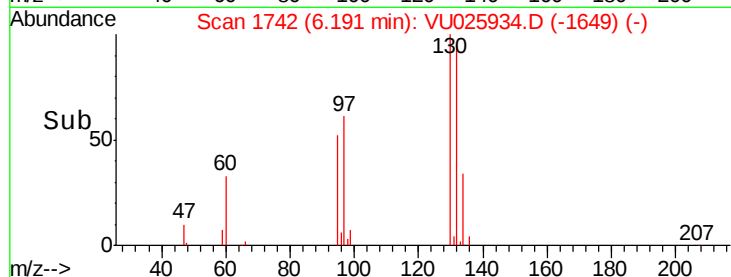
97 63.3 46.6 86.6

132 99.2 73.3 136.1

130 104.3 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: 9.666 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

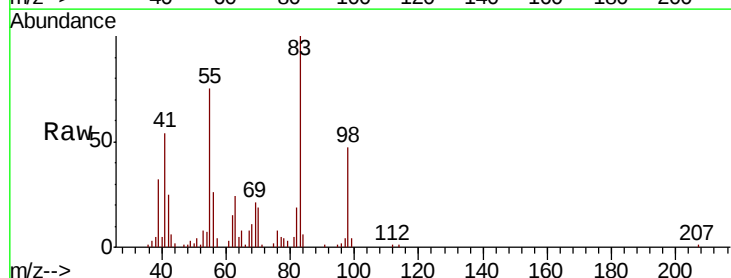
Tgt Ion: 83 Resp: 38567

Ion Ratio Lower Upper

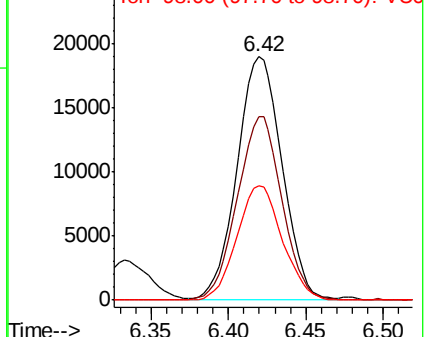
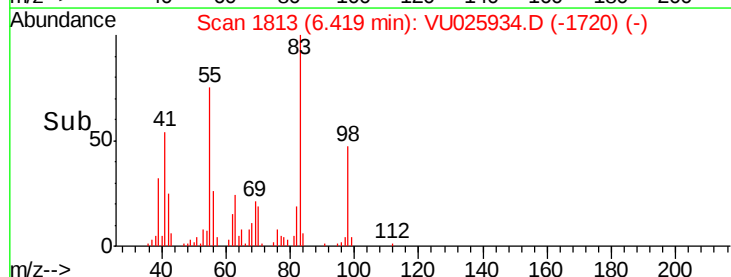
83 100

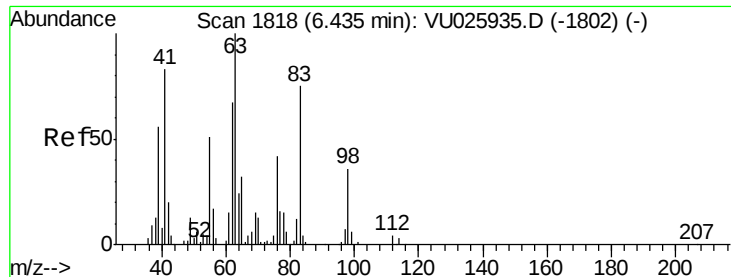
55 74.4 58.3 87.5

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

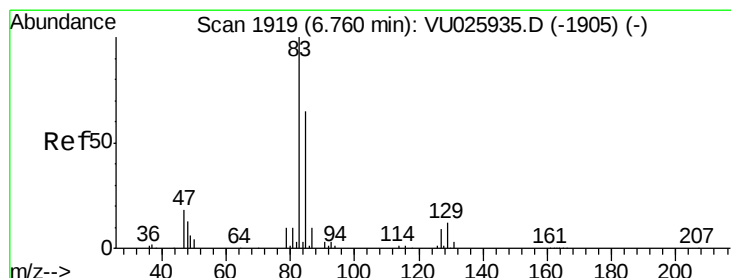
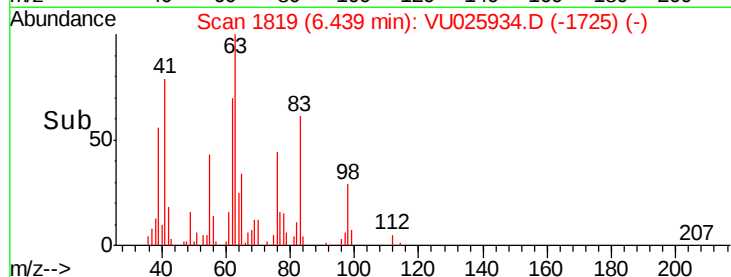
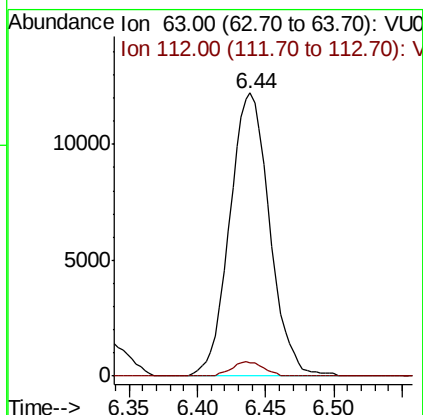
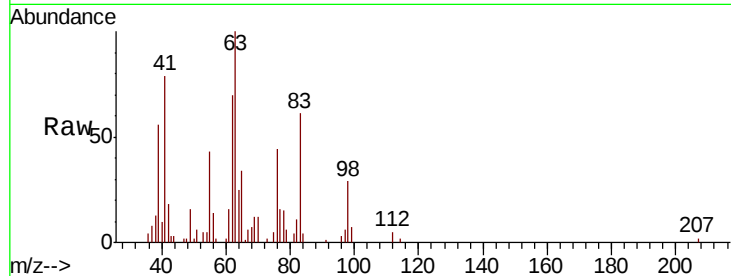




#37
 1,2-Dichloropropane
 Concen: 9.814 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

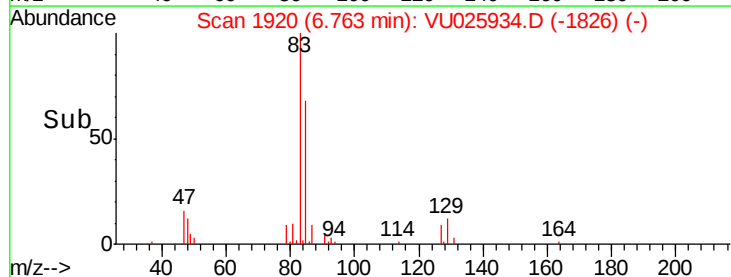
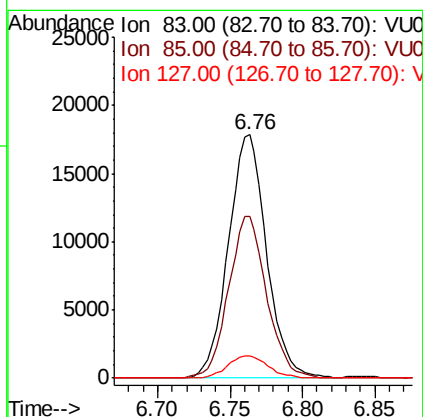
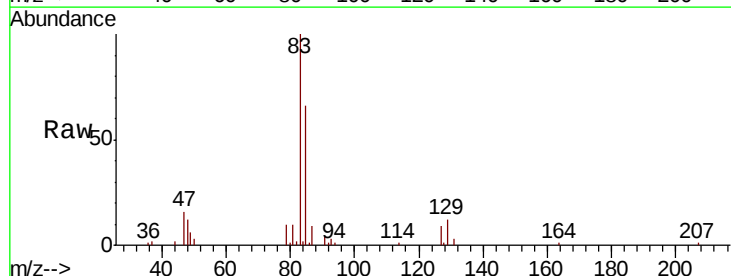
Instrument :
 MSVOA_U
 ClientSampled :

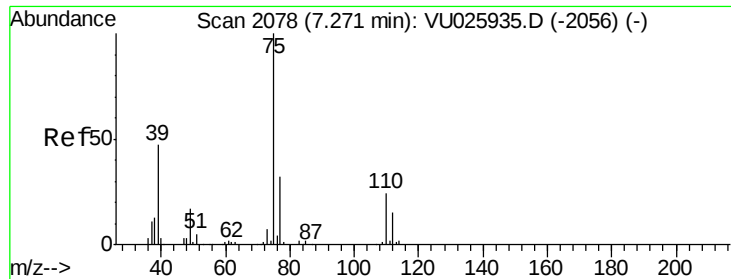
Tot Ion: 63 Resp: 24836
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 9.456 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion: 83 Resp: 32531
 Ion Ratio Lower Upper
 83 100
 85 66.5 45.2 84.0
 127 9.1 7.1 10.7



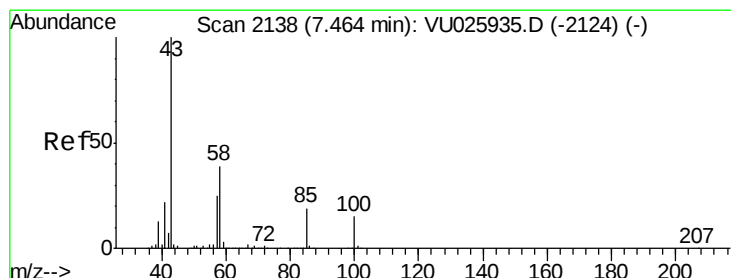
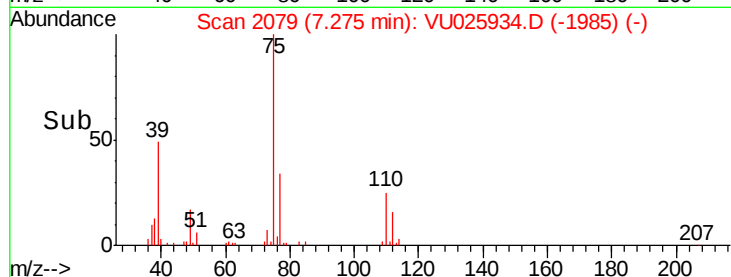
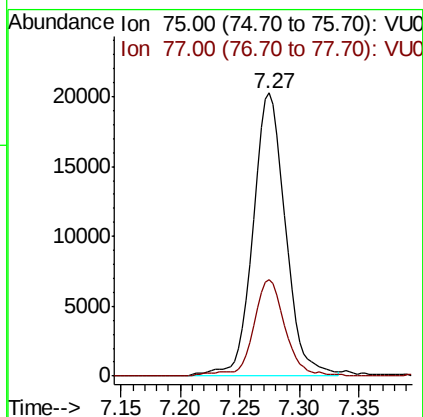
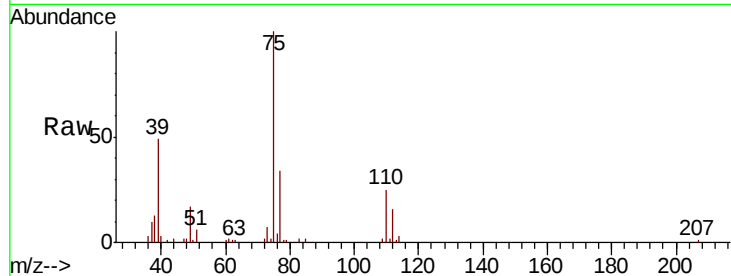


#39

cis-1,3-Dichloropropene
 Concen: 9.327 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Instrument :
 MSVOA_U
 ClientSampleId :

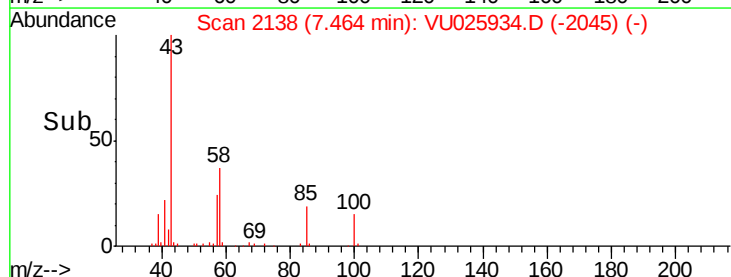
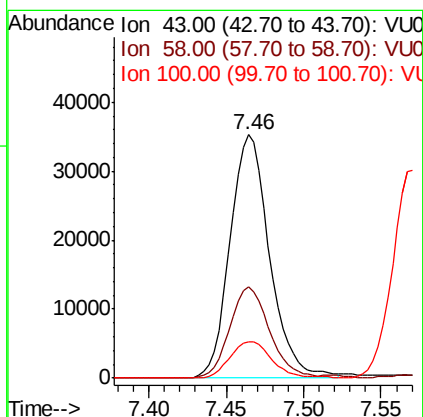
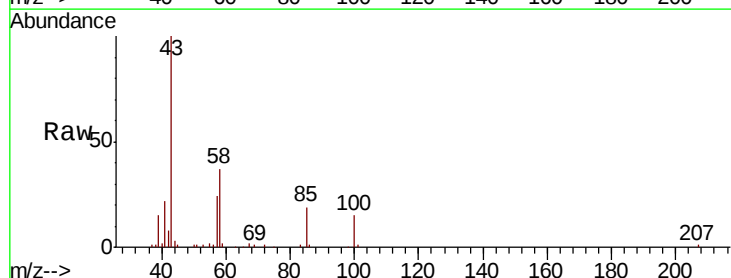
Tot Ion: 75 Resp: 38444
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.5 41.7

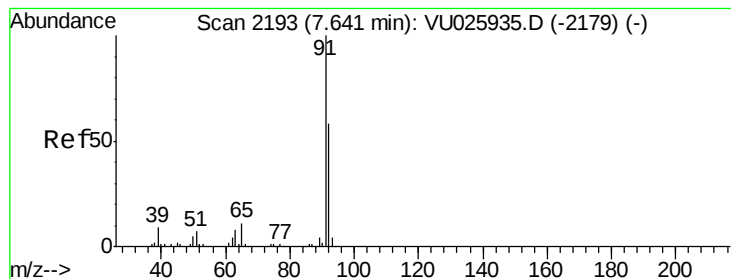


#40

4-Methyl-2-pentanone
 Concen: 18.171 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion: 43 Resp: 62706
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.0 46.4
 100 16.0 12.4 18.6





#42

Toluene

Concen: 9.608 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

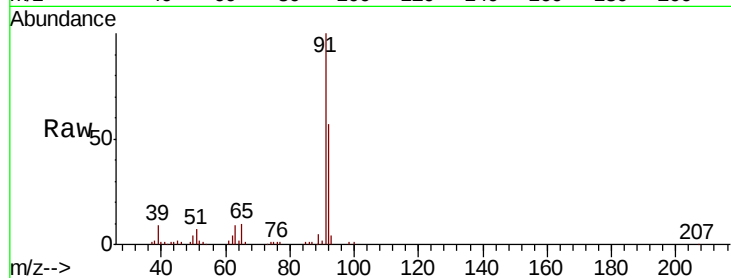
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 99324

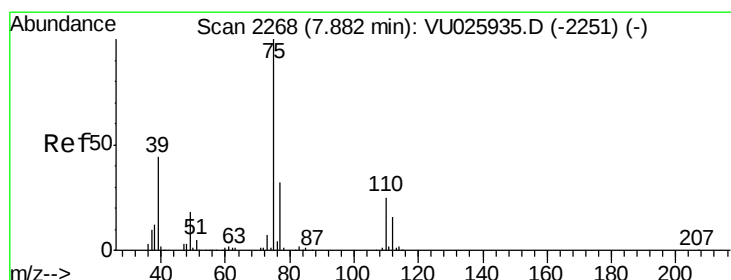
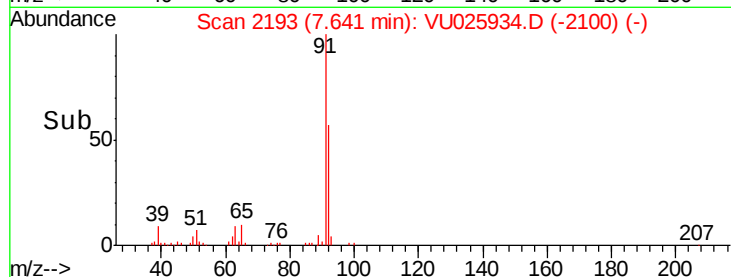
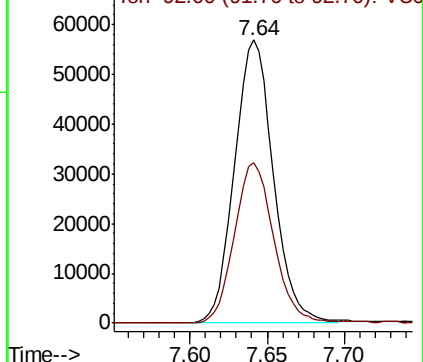
Ion Ratio Lower Upper

91 100

92 56.7 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 9.140 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025934.D

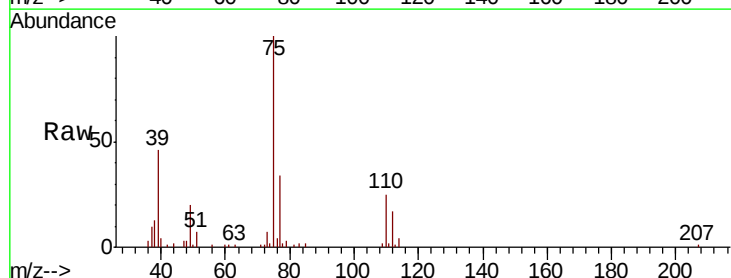
Acq: 07 Aug 2018 11:14

Tgt Ion: 75 Resp: 35610

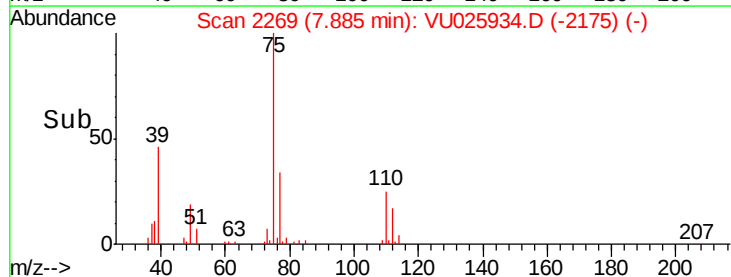
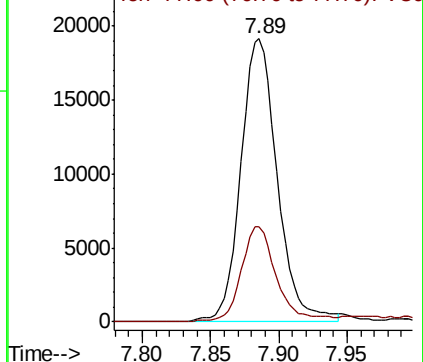
Ion Ratio Lower Upper

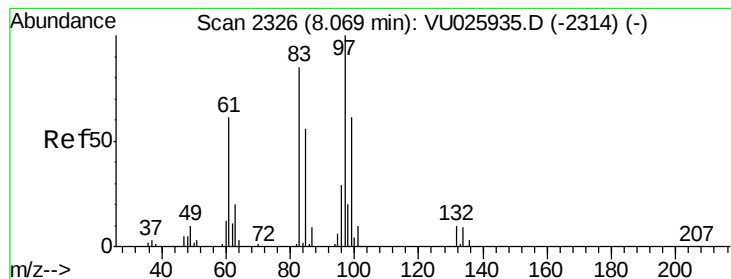
75 100

77 33.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 9.630 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 23279

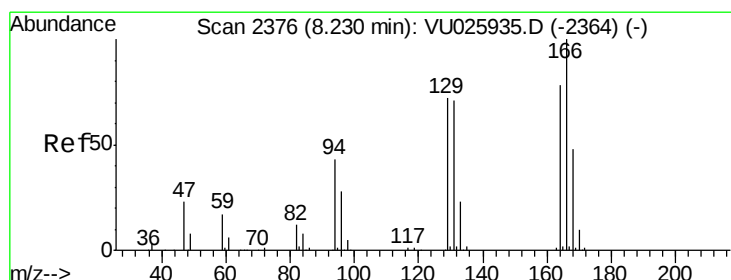
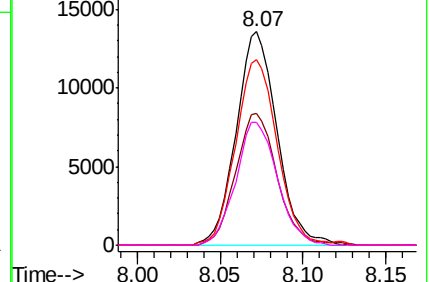
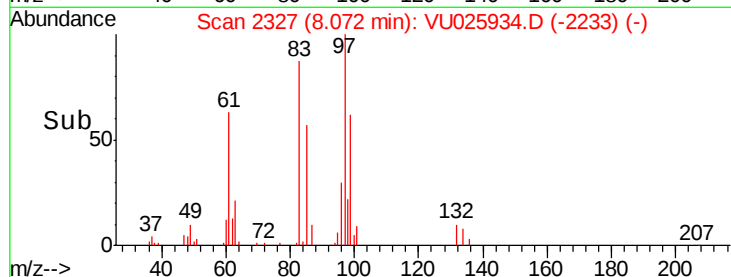
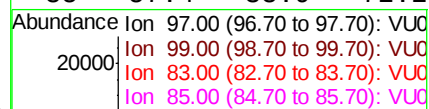
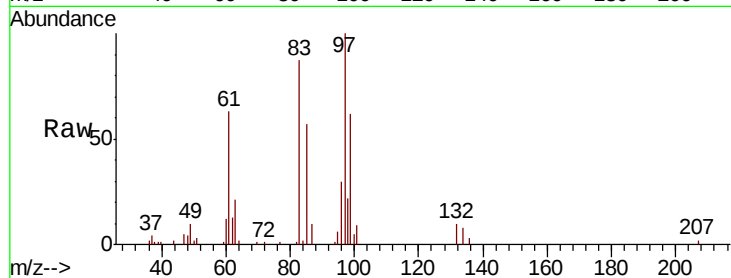
Ion Ratio Lower Upper

97 100

99 61.8 42.6 79.0

83 86.9 59.6 110.6

85 57.4 38.9 72.2



#46

Tetrachloroethene

Concen: 9.871 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Tgt Ion: 164 Resp: 22365

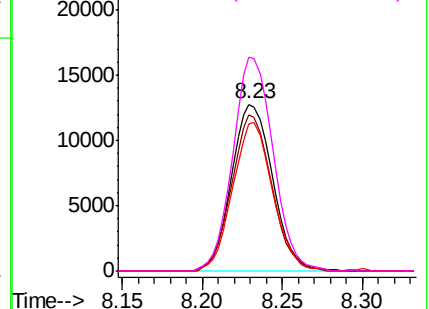
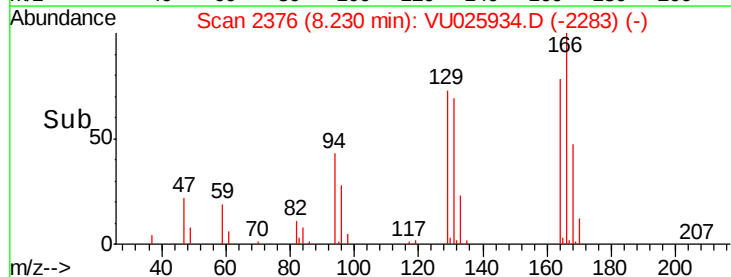
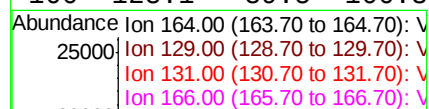
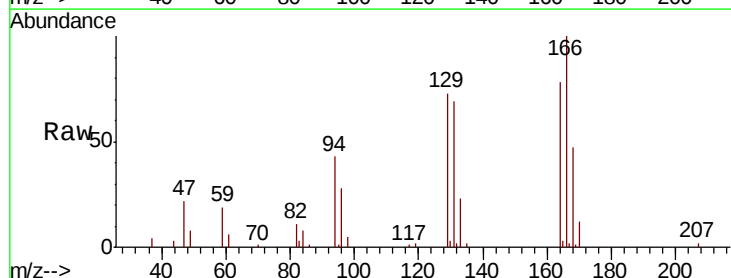
Ion Ratio Lower Upper

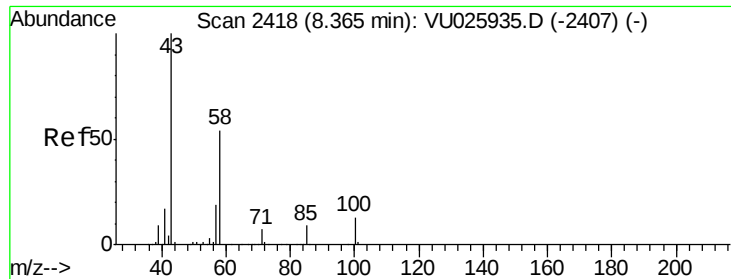
164 100

129 93.7 64.8 120.3

131 88.1 63.1 117.3

166 128.1 89.5 166.3

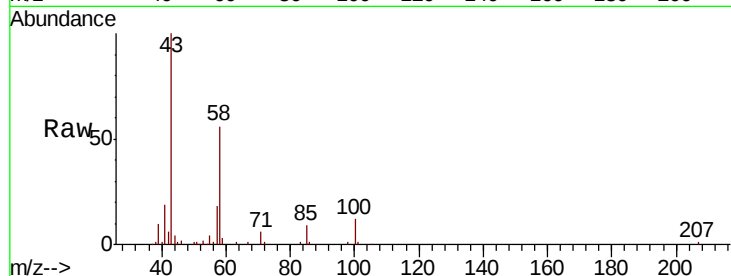




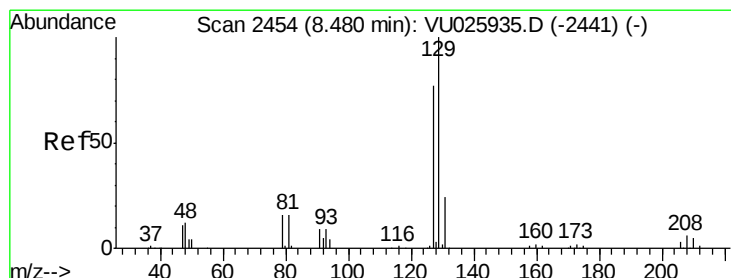
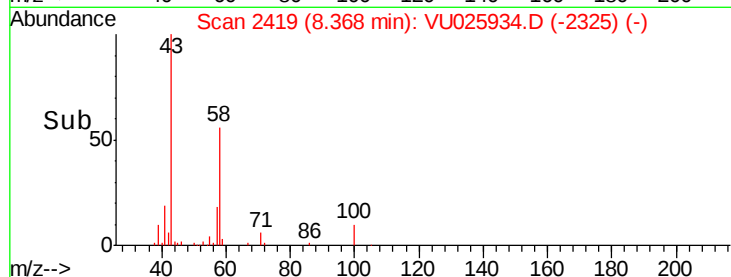
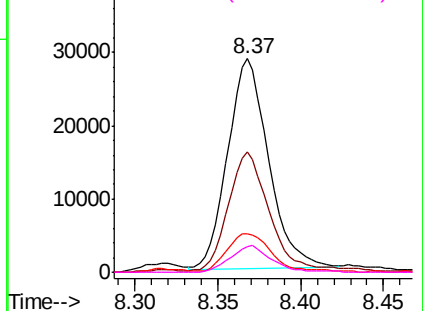
#48
2-Hexanone
Concen: 17.901 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	49837
Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.3	64.9
57	20.2	15.0	22.6
100	12.2	9.7	14.5

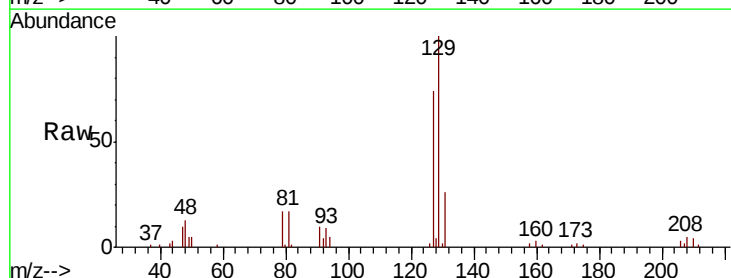


Abundance Ion 43.00 (42.70 to 43.70): VU025935.D (-2407) (-)
Ion 58.00 (57.70 to 58.70): VU025935.D (-2407) (-)
Ion 57.00 (56.70 to 57.70): VU025935.D (-2407) (-)
Ion 100.00 (99.70 to 100.70): VU025935.D (-2407) (-)

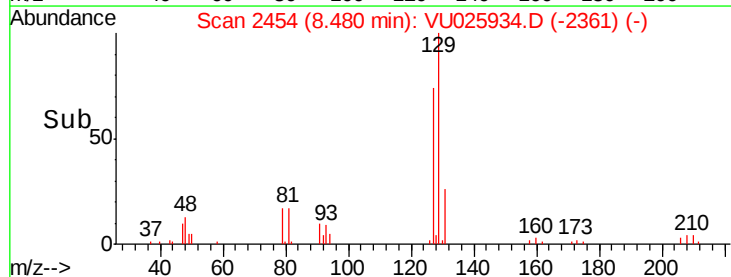
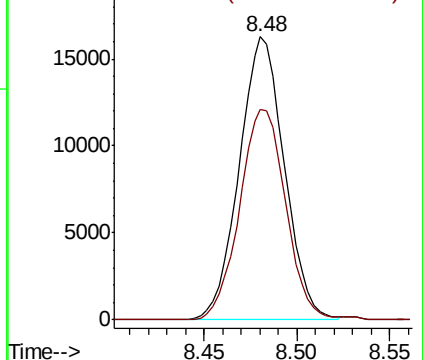


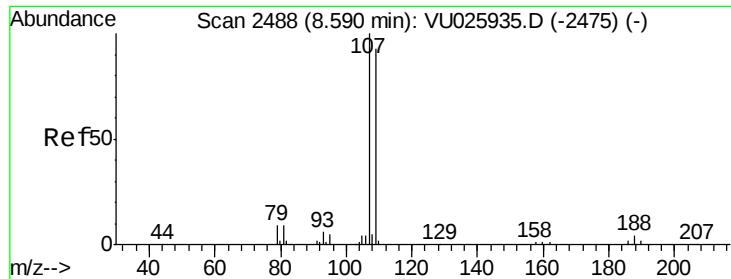
#49
Dibromochloromethane
Concen: 9.252 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025934.D
Acq: 07 Aug 2018 11:14

Tgt Ion:	129	Resp:	27471
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.3	100.8



Abundance Ion 129.00 (128.70 to 129.70): VU025935.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU025935.D (-2441) (-)

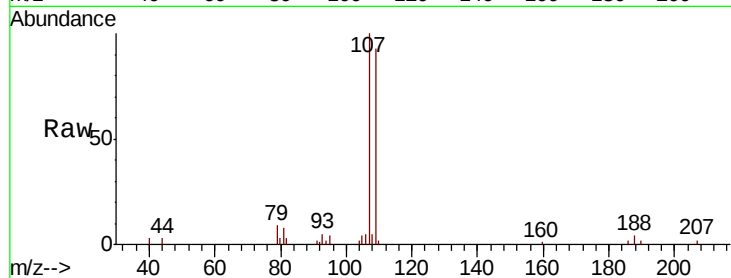




#50
 1,2-Dibromoethane
 Concen: 9.655 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	65.1	120.9
188	3.6	3.4	5.2

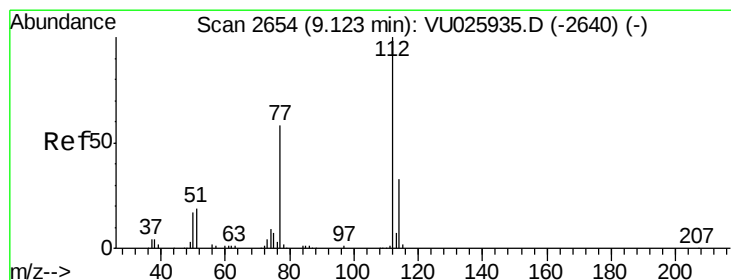
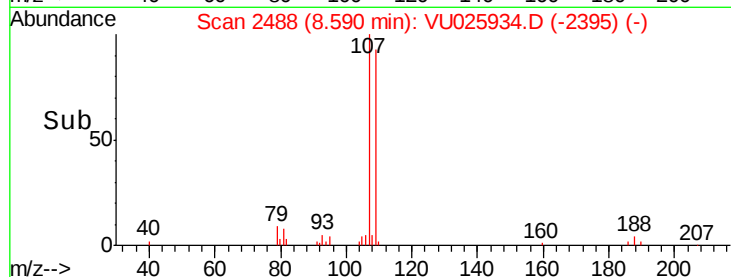
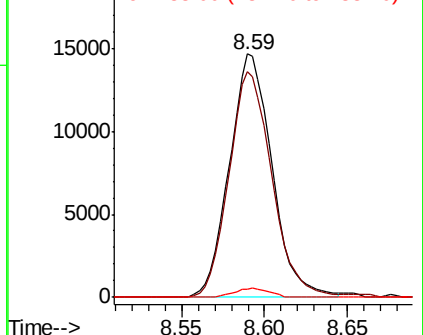


Abundance

Ion 107.00 (106.70 to 107.70): V

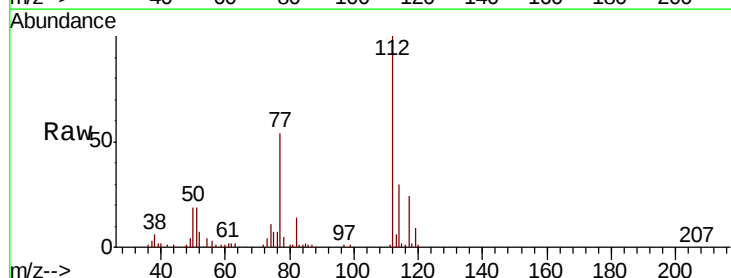
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 9.683 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.9	42.5
77	54.0	46.6	70.0

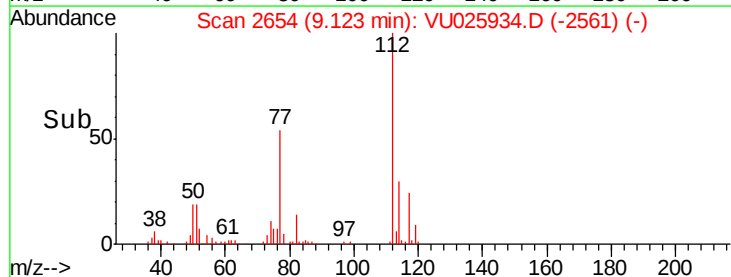
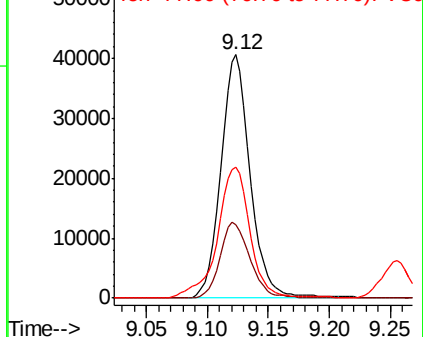


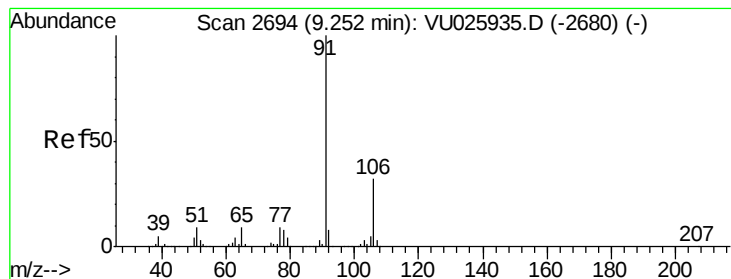
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 9.494 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

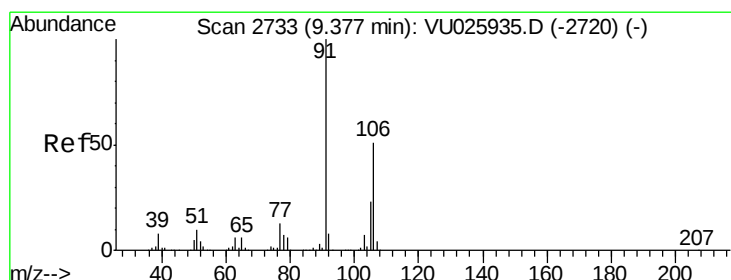
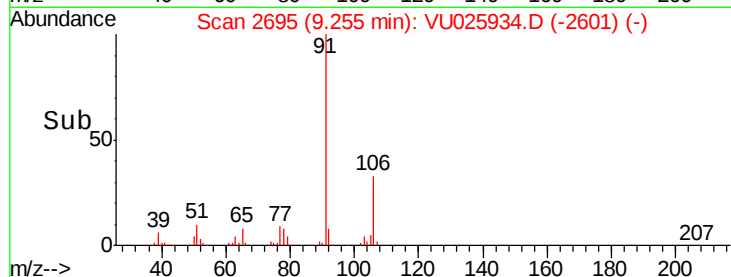
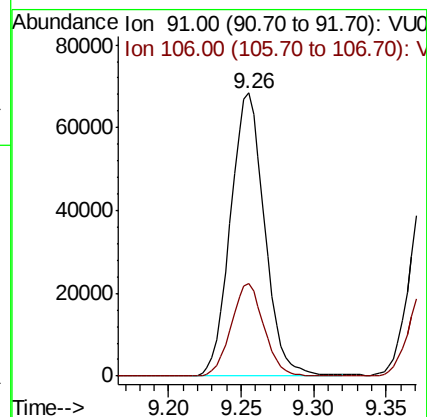
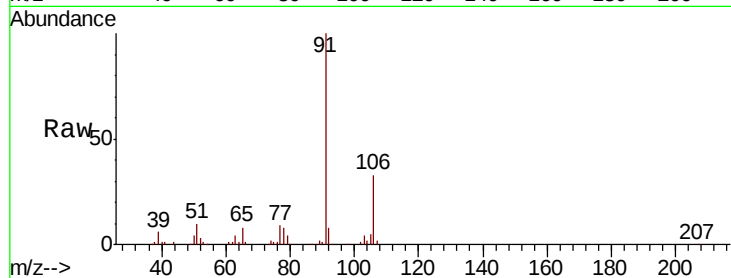
ClientSampled :

Tot Ion: 91 Resp: 111655

Ion Ratio Lower Upper

91 100

106 32.8 22.1 41.1



#53

m,p-Xylene

Concen: 9.567 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025934.D

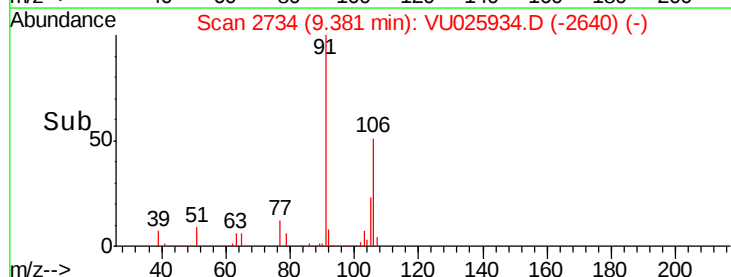
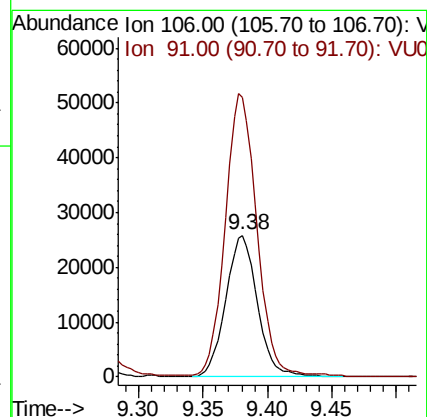
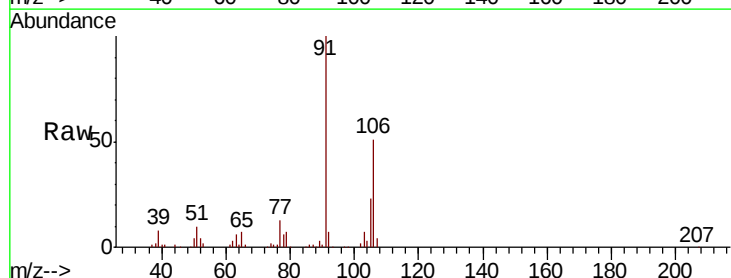
Acq: 07 Aug 2018 11:14

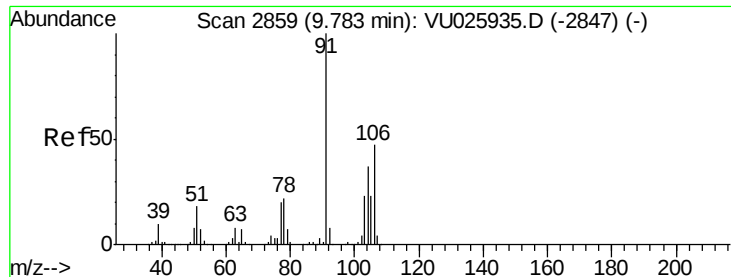
Tgt Ion: 106 Resp: 44139

Ion Ratio Lower Upper

106 100

91 197.6 137.8 255.8





#54

o-xylene

Concen: 9.475 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

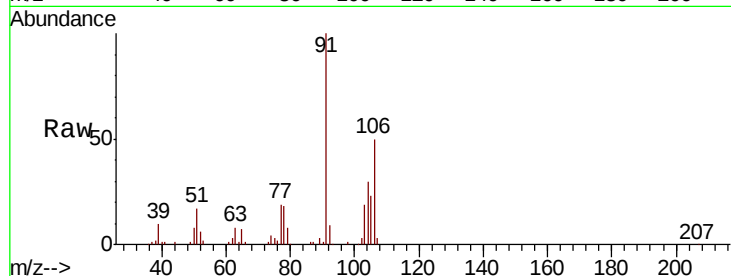
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 41625

Ion Ratio Lower Upper

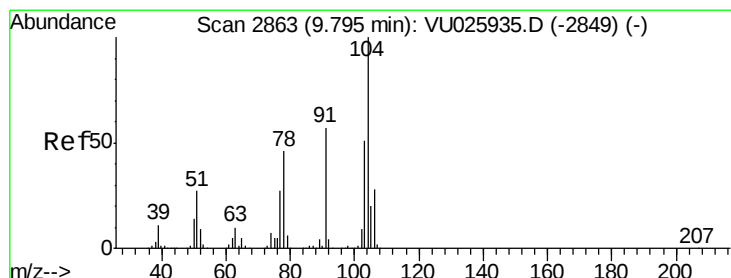
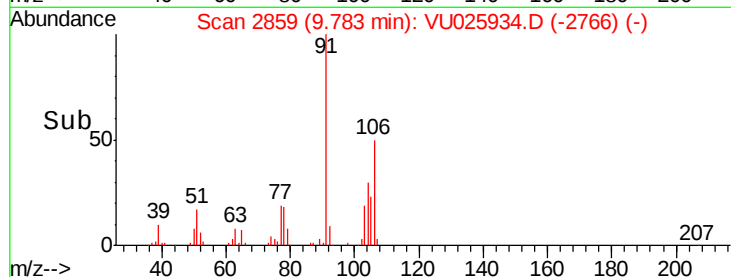
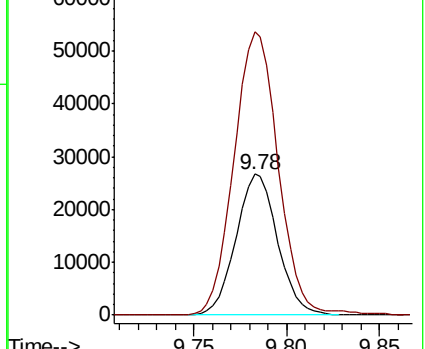
106 100

91 200.5 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 8.989 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU025934.D

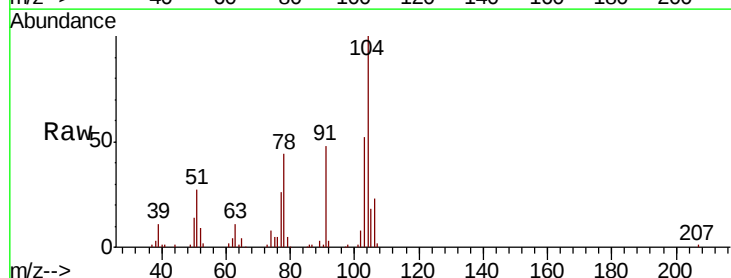
Acq: 07 Aug 2018 11:14

Tgt Ion:104 Resp: 66539

Ion Ratio Lower Upper

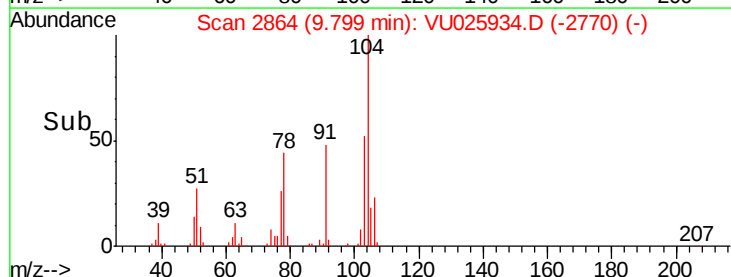
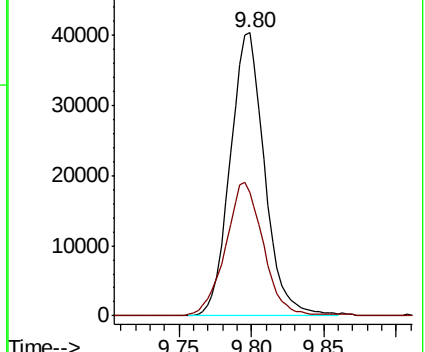
104 100

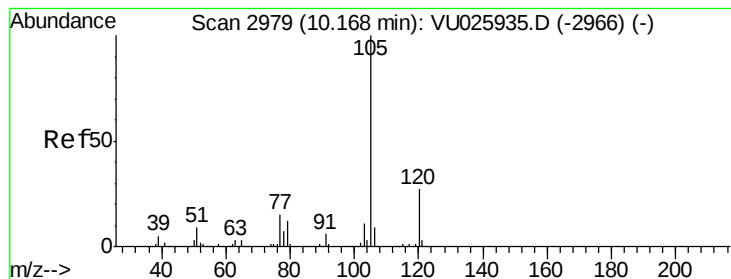
78 43.6 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.347 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Instrument :

MSVOA_U

ClientSampleId :

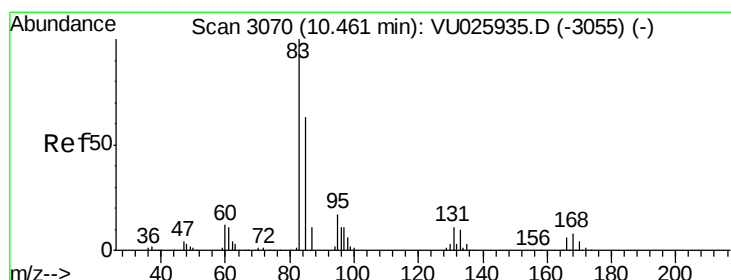
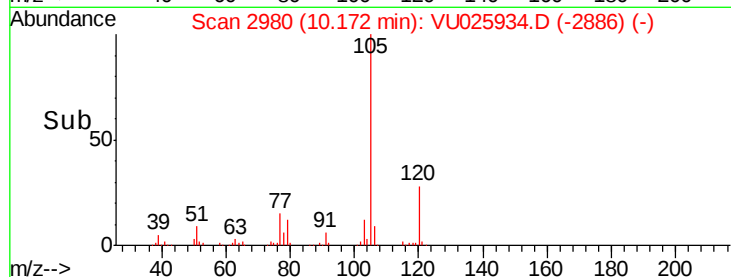
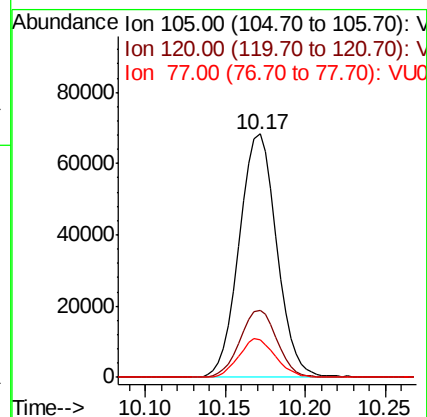
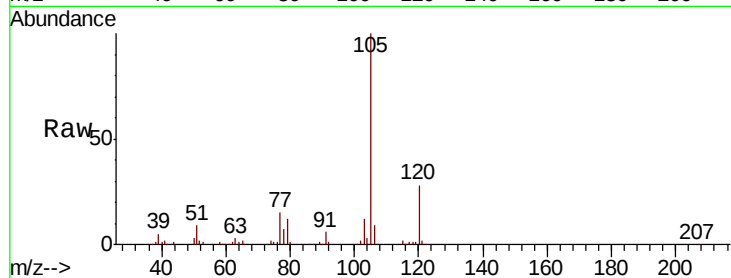
Tot Ion:105 Resp: 109132

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

77 15.6 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 9.418 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

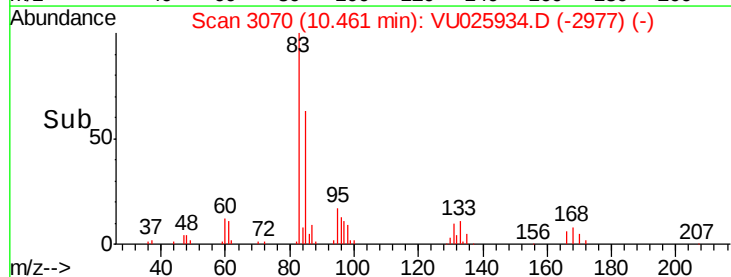
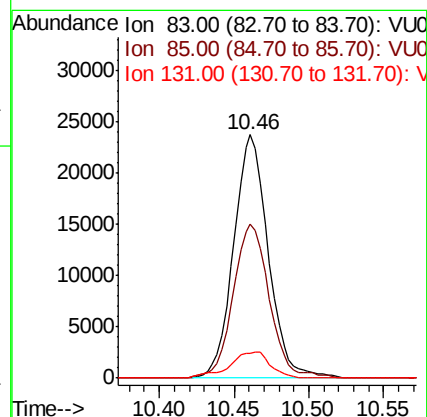
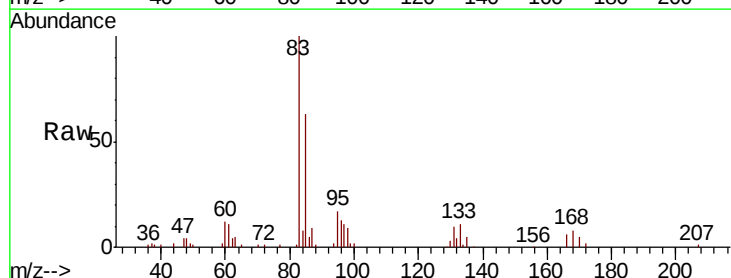
Tgt Ion: 83 Resp: 38274

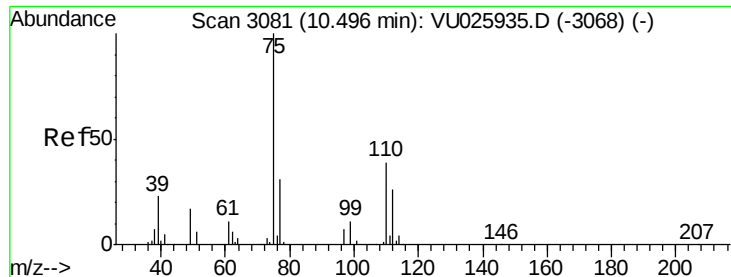
Ion Ratio Lower Upper

83 100

85 63.1 44.5 82.7

131 10.2 8.6 12.8

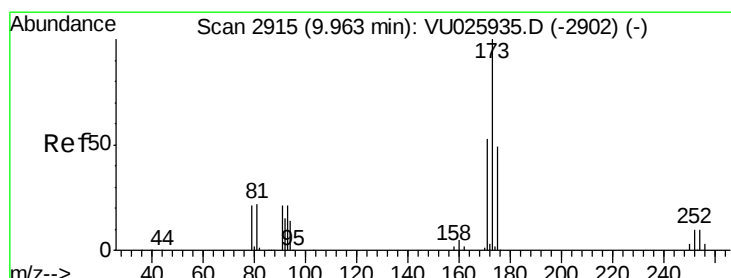
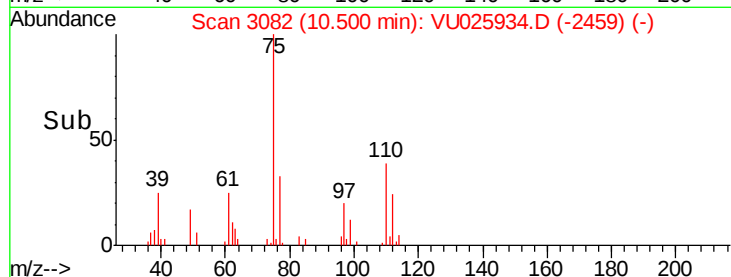
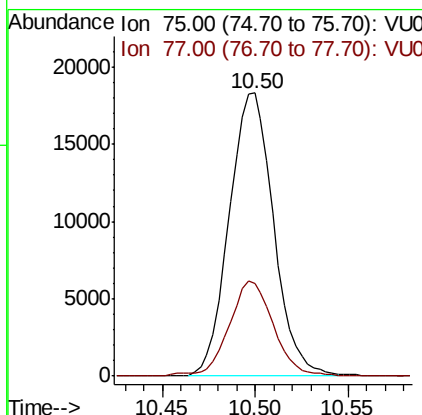
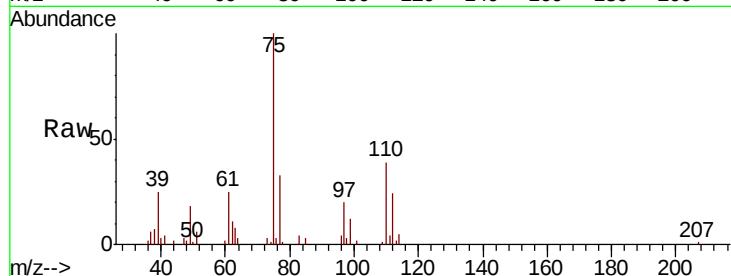




#59
 1,2,3-Trichloropropane
 Concen: 9.474 ug/L
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

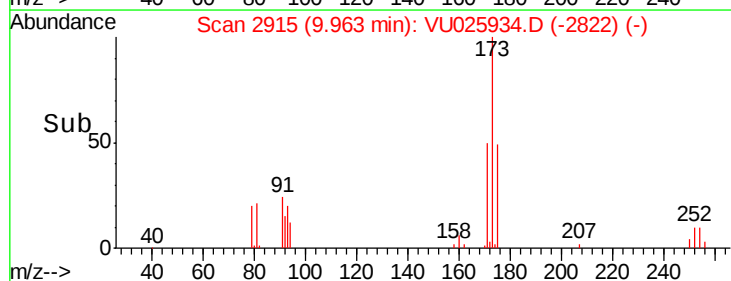
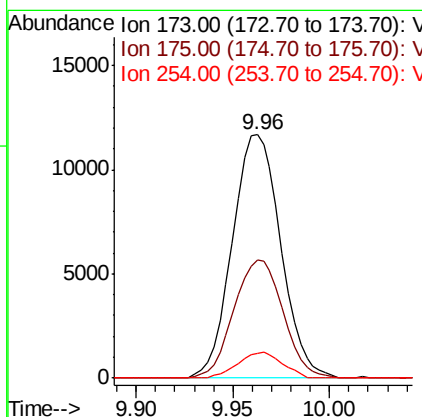
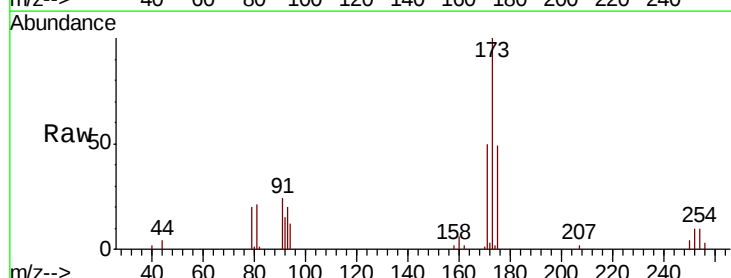
Instrument :
 MSVOA_U
 ClientSampleId :

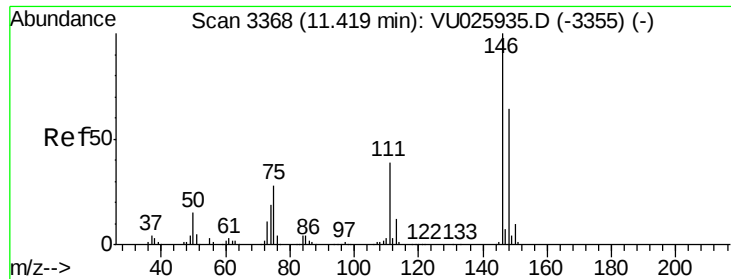
Tot Ion: 75 Resp: 30516
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.5 38.3



#61
 Bromoform
 Concen: 9.384 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion: 173 Resp: 20321
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.8 58.2
 254 9.8 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 9.992 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

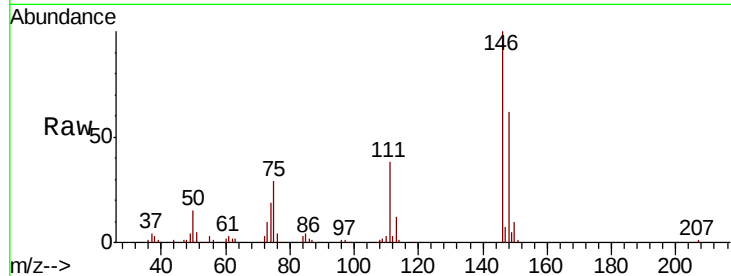
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 56690

Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.5	51.1
148	62.2	44.6	82.8

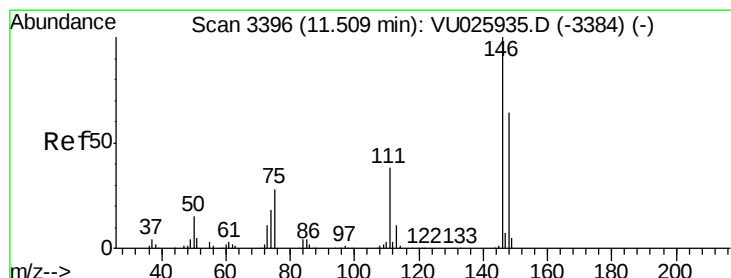
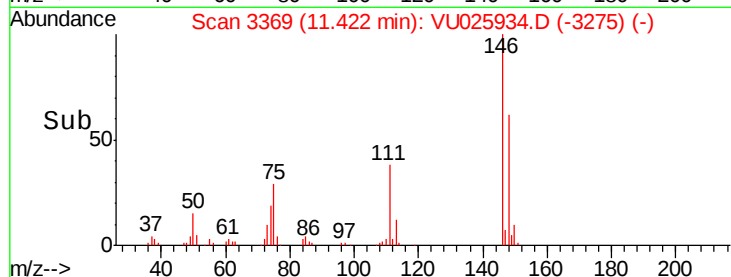
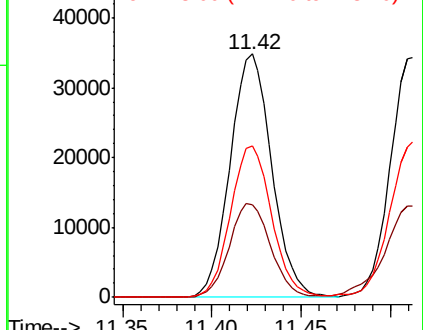


Abundance

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: 9.833 ug/L

RT: 11.51 min Scan# 3397

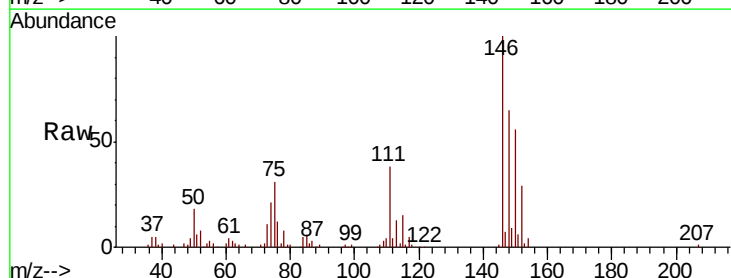
Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Tgt Ion:146 Resp: 56839

Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.7	49.7
148	64.7	45.2	84.0

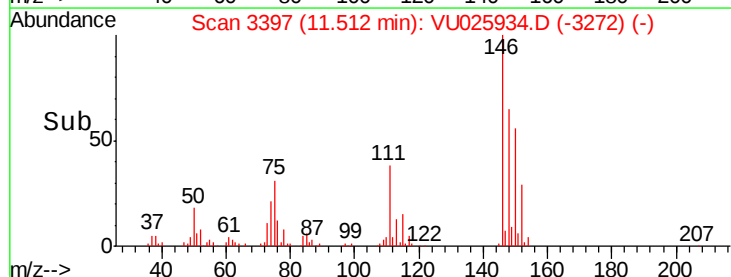
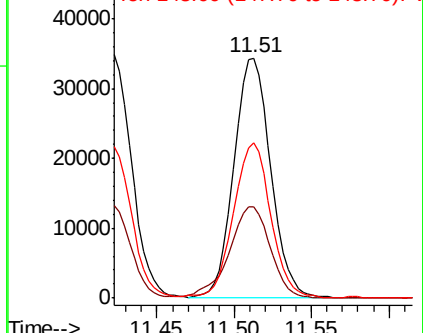


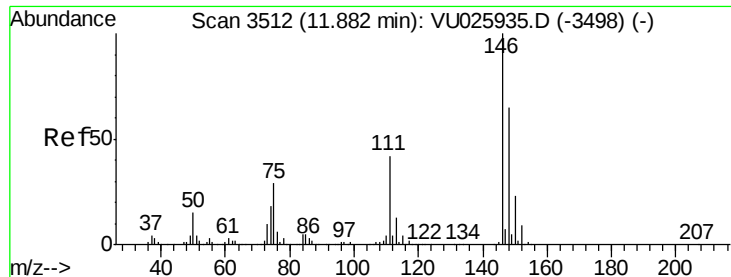
Abundance

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

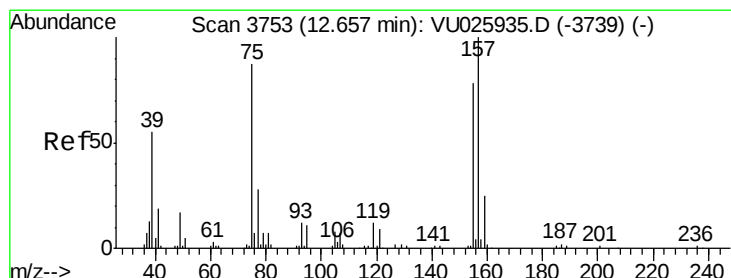
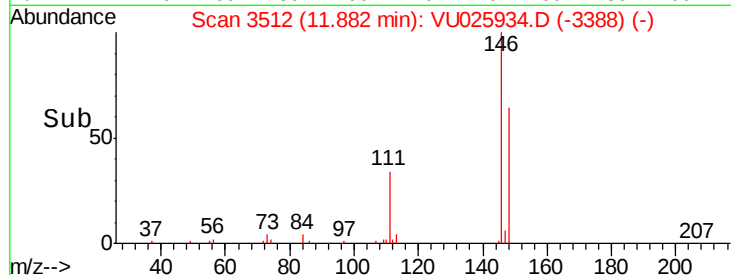
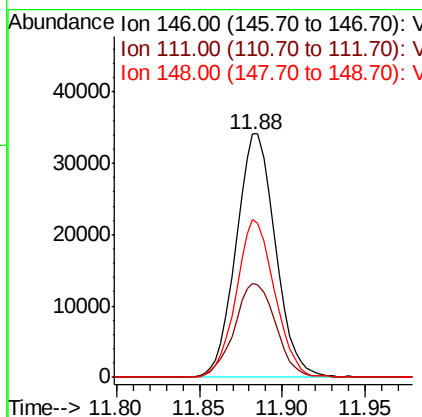
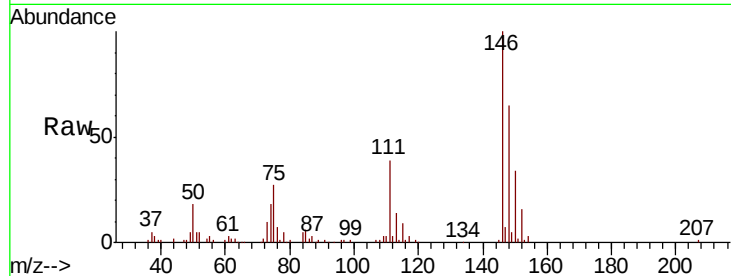




#65
 1,2-Dichlorobenzene
 Concen: 9.915 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

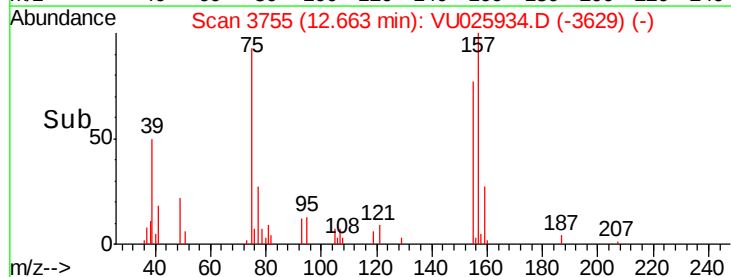
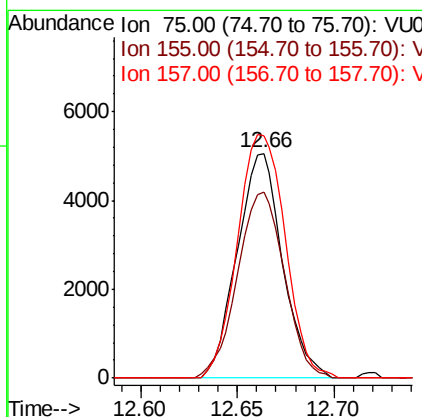
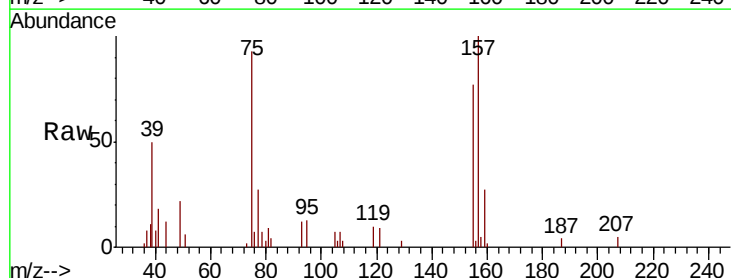
Instrument :
 MSVOA_U
 ClientSampleId :

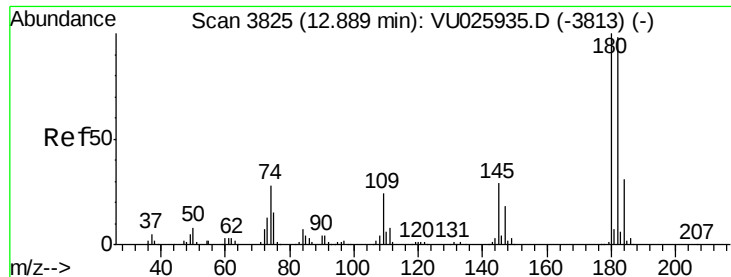
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	33.4	50.0
148	64.7	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.563 ug/L
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.01 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	71.4	107.2
157	107.6	92.0	138.0

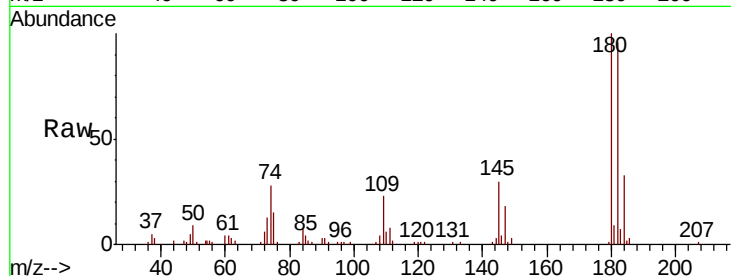




#67
 1,3,5-Trichlorobenzene
 Concen: 9.783 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.8	116.6
184	31.8	24.6	37.0
145	28.1	23.4	35.0



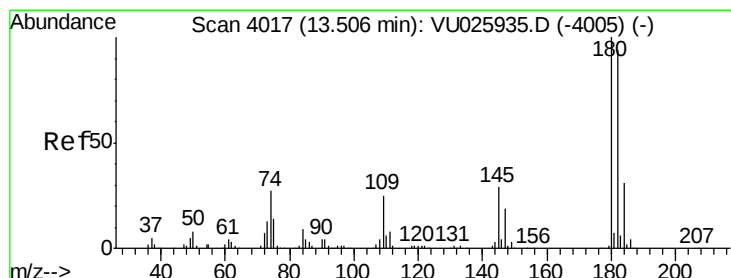
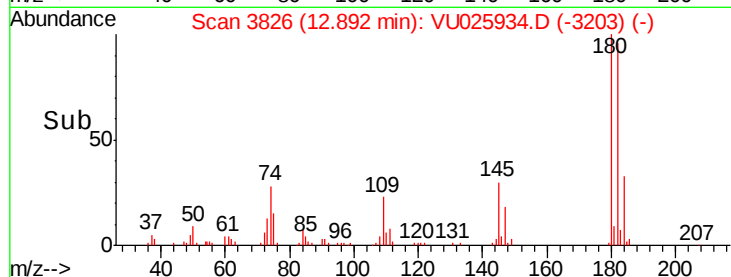
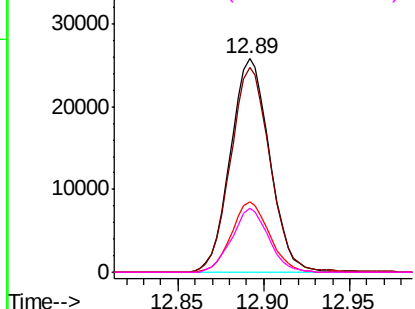
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

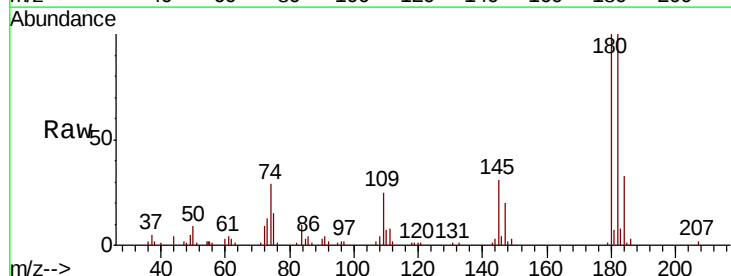
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.978 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025934.D
 Acq: 07 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.3	112.9
145	29.8	23.1	34.7

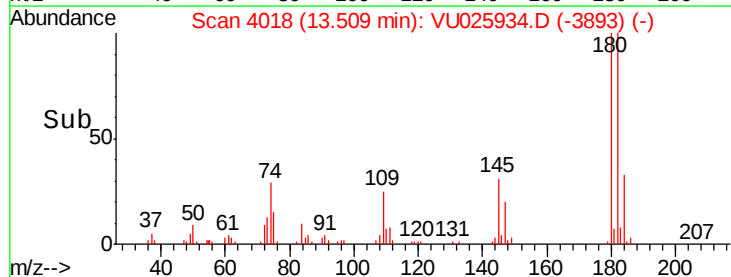
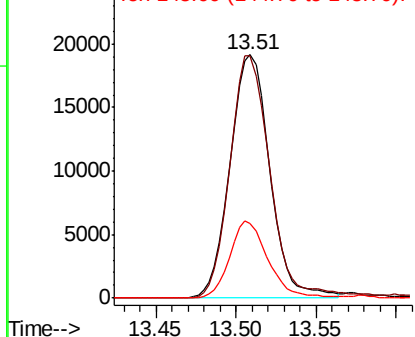


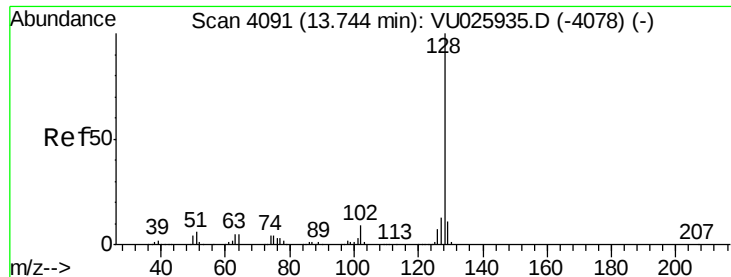
Abundance

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: 8.532 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

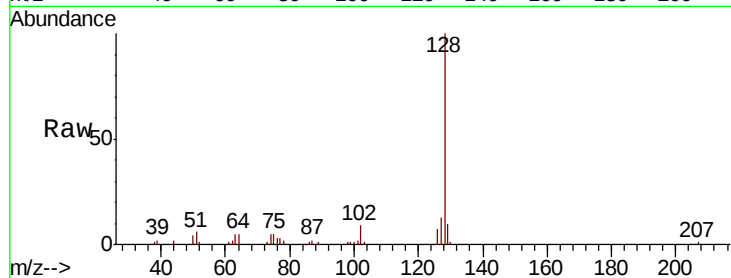
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 90977

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.2	8.5	12.7

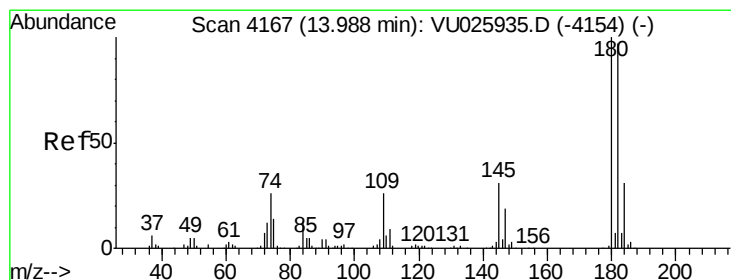
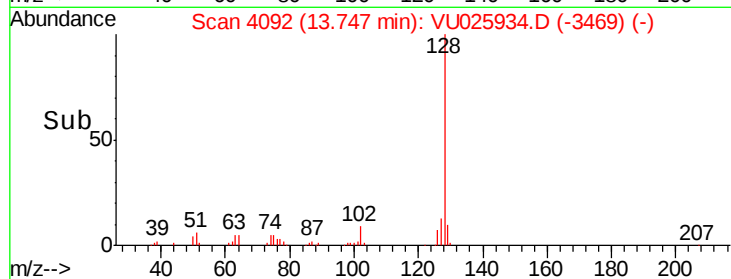
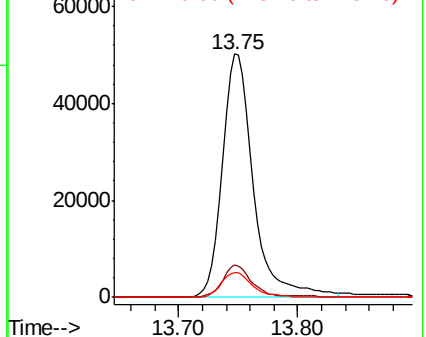


Abundance

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: 9.181 ug/L

RT: 13.99 min Scan# 4168

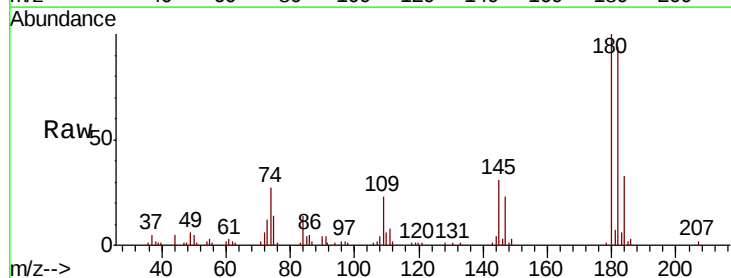
Delta R.T. 0.00 min

Lab File: VU025934.D

Acq: 07 Aug 2018 11:14

Tgt Ion:180 Resp: 34130

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.6	116.4
145	30.2	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

