

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025933.D
 Acq On : 07 Aug 2018 10:47
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:26:59 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	391927	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	364830	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	191266	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8936	4.11	ug/L	0.00
7) Chloroethane-d5	1.68	69	7173	4.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	18806	4.47	ug/L	0.00
21) 2-Butanone-d5	4.18	46	10964	7.34	ug/L	0.00
24) Chloroform-d	4.65	84	18016	4.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	12458	4.49	ug/L	0.00
32) Benzene-d6	5.35	84	34068	4.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	10523	4.21	ug/L	0.00
41) Toluene-d8	7.57	98	32563	4.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5163	3.94	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	6900	6.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	13419	3.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	13306	4.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	15336	5.144	ug/L 97
3) Chloromethane	1.33	50	12232	4.876	ug/L 96
5) Vinyl chloride	1.41	62	13103	4.843	ug/L 99
6) Bromomethane	1.63	94	5026	4.195	ug/L 92
8) Chloroethane	1.70	64	7631	4.871	ug/L 90
9) Trichlorofluoromethane	1.89	101	19046	4.887	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11064	5.136	ug/L 97
12) 1,1-Dichloroethene	2.29	96	9327	4.715	ug/L 89
13) Acetone	2.32	43	21996	12.434	ug/L 99
14) Carbon disulfide	2.48	76	35727	5.069	ug/L 99
15) Methyl Acetate	2.62	43	13053	4.832	ug/L 98
16) Methylene chloride	2.70	84	12826	4.975	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	11865	4.864	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	36971	4.767	ug/L 98
19) 1,1-Dichloroethane	3.45	63	21188	4.789	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	13060	4.792	ug/L 94
22) 2-Butanone	4.27	43	23906	10.809	ug/L 100
23) Bromochloromethane	4.56	128	7150	4.997	ug/L 94
25) Chloroform	4.68	83	23373	4.987	ug/L 92
27) 1,2-Dichloroethane	5.41	62	17874	4.782	ug/L 96
29) Cyclohexane	5.00	56	18427	4.793	ug/L 97
30) 1,1,1-Trichloroethane	4.92	97	20464	4.928	ug/L 99
31) Carbon tetrachloride	5.14	117	17670	4.758	ug/L 100
33) Benzene	5.39	78	46432	4.869	ug/L 100
34) Trichloroethene	6.19	95	13755	5.183	ug/L 97
35) Methylcyclohexane	6.42	83	18781	4.676	ug/L 92
37) 1,2-Dichloropropane	6.44	63	12104	4.751	ug/L # 95
38) Bromodichloromethane	6.76	83	16888	4.876	ug/L 99
39) cis-1,3-Dichloropropene	7.28	75	19293	4.649	ug/L 92
40) 4-Methyl-2-pentanone	7.46	43	32405	9.328	ug/L 97

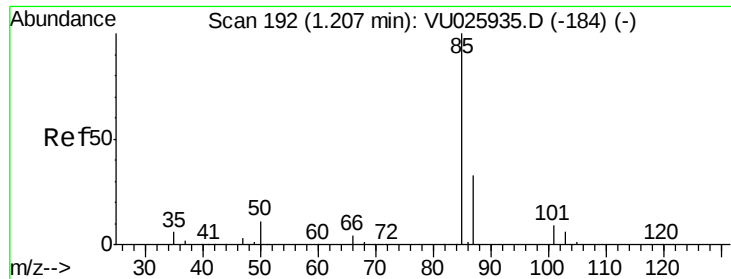
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	49493	4.756	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	17858	4.553	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	11604	4.768	ug/L	99
46) Tetrachloroethene	8.23	164	11129	4.879	ug/L	98
48) 2-Hexanone	8.37	43	26976	9.625	ug/L	98
49) Dibromochloromethane	8.48	129	13407	4.485	ug/L	99
50) 1,2-Dibromoethane	8.59	107	12641	4.631	ug/L	97
51) Chlorobenzene	9.12	112	34661	4.864	ug/L	98
52) Ethylbenzene	9.26	91	56631	4.783	ug/L	99
53) m,p-Xylene	9.38	106	22317	4.805	ug/L	98
54) o-xylene	9.78	106	19796	4.476	ug/L	85
55) Styrene	9.80	104	32420	4.350	ug/L	98
56) Isopropylbenzene	10.17	105	55076	4.685	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	19914	4.867	ug/L	95
59) 1,2,3-Trichloropropane	10.50	75	15063	4.645	ug/L	98
61) Bromoform	9.96	173	9752	4.465	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	28158	4.921	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	29595	5.076	ug/L	94
65) 1,2-Dichlorobenzene	11.89	146	28333	4.938	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	3688	4.230	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	19170	4.546	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	15804	4.319	ug/L	93
69) Naphthalene	13.75	128	42102	3.915	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	17206	4.589	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.144 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

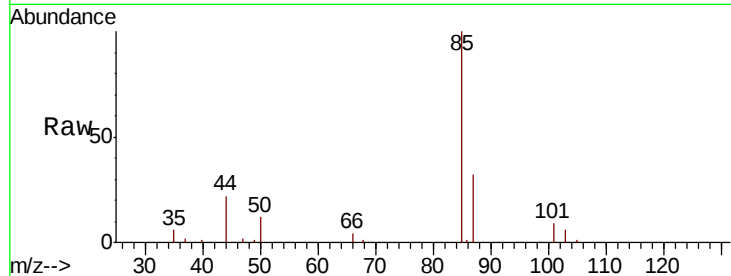
ClientSampleId :

Tot Ion: 85 Resp: 15336

Ion Ratio Lower Upper

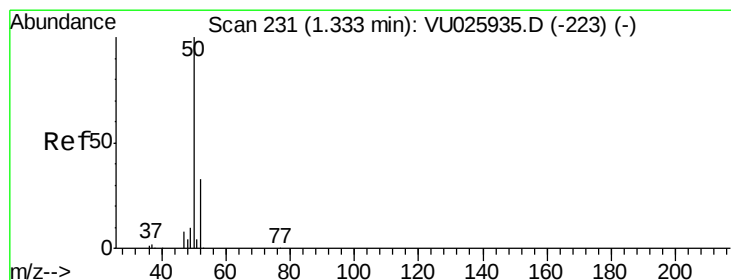
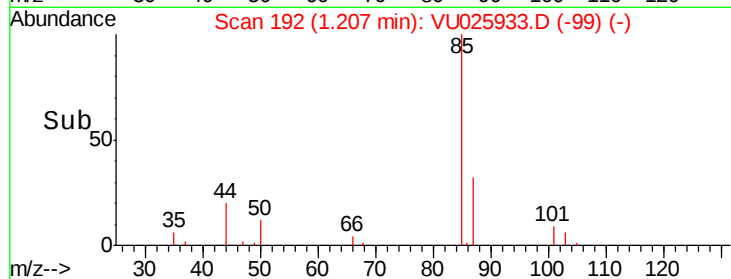
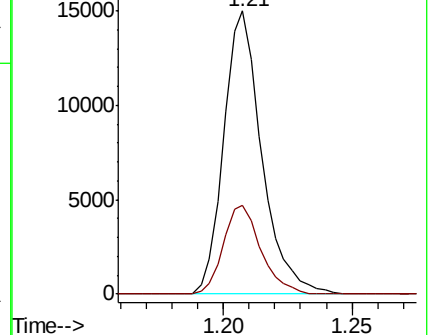
85 100

87 30.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU025933.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU025933.D (-184) (-)



#3

Chloromethane

Concen: 4.876 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025933.D

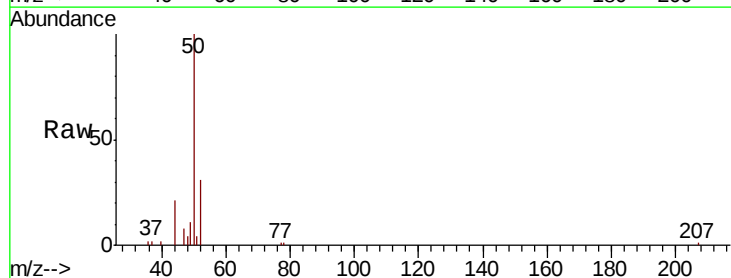
Acq: 07 Aug 2018 10:47

Tgt Ion: 50 Resp: 12232

Ion Ratio Lower Upper

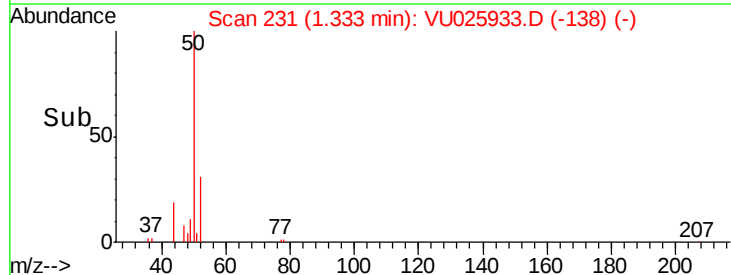
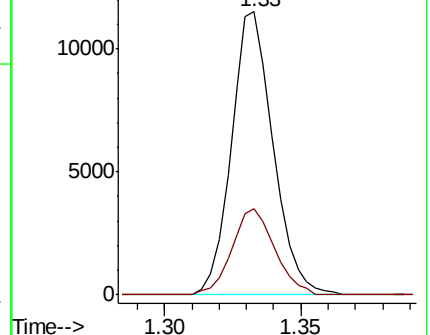
50 100

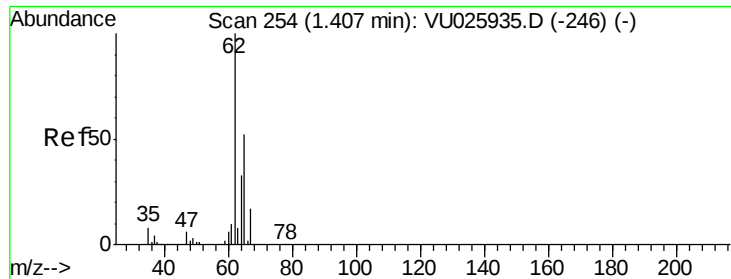
52 30.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU025933.D (-223) (-)

Ion 52.00 (51.70 to 52.70): VU025933.D (-223) (-)





#5

Vinyl chloride

Concen: 4.843 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

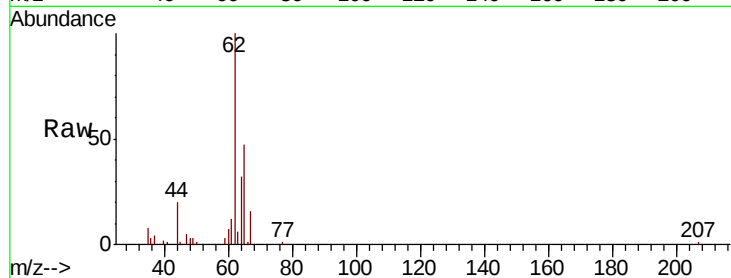
ClientSampleId :

Tot Ion: 62 Resp: 13103

Ion Ratio Lower Upper

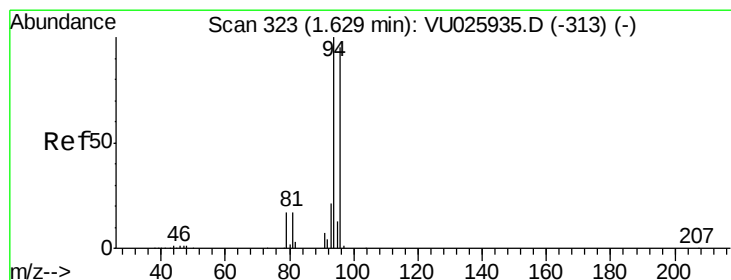
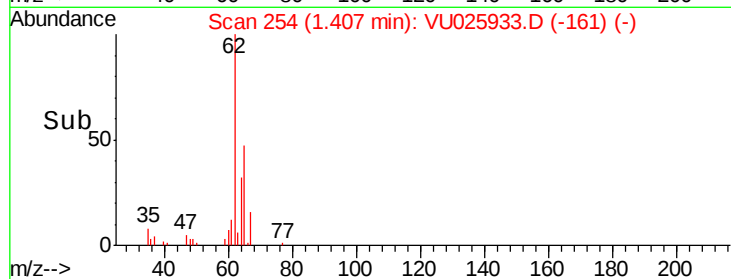
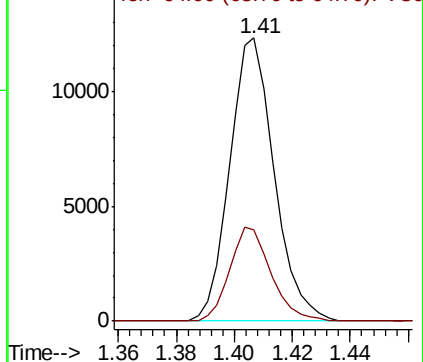
62 100

64 32.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 4.195 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025933.D

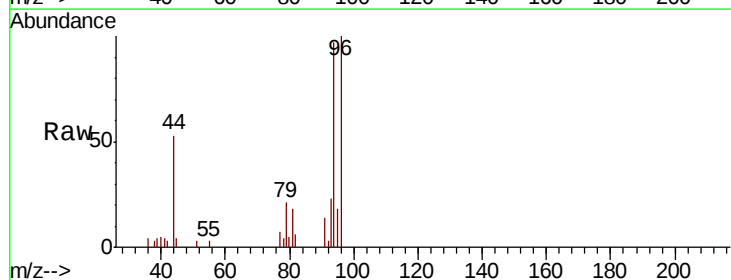
Acq: 07 Aug 2018 10:47

Tgt Ion: 94 Resp: 5026

Ion Ratio Lower Upper

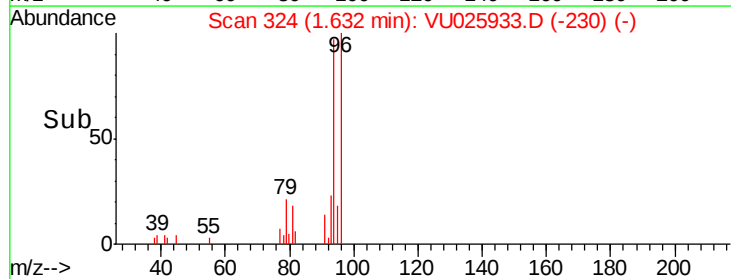
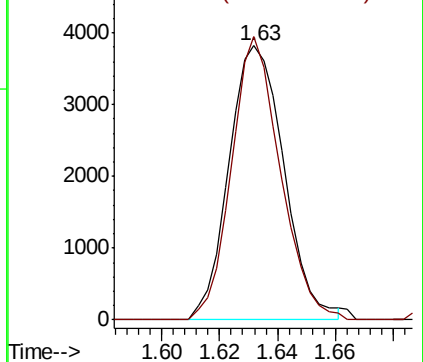
94 100

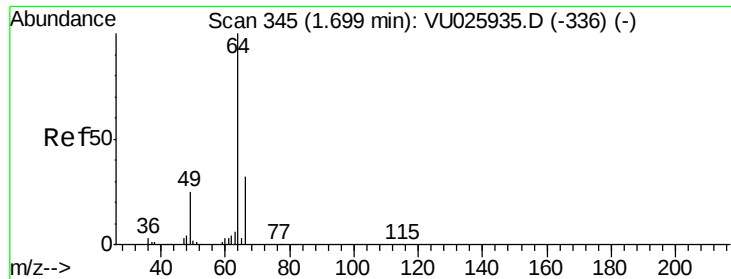
96 103.3 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.871 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

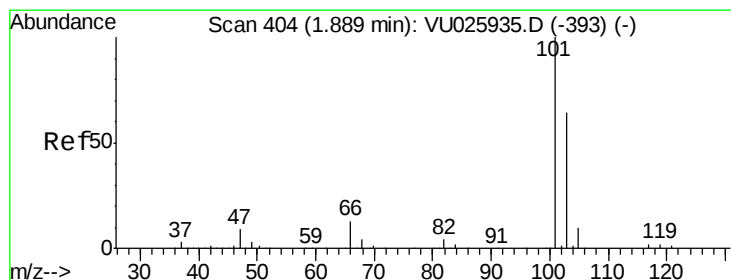
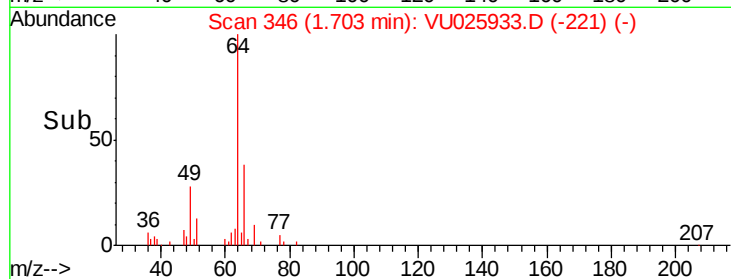
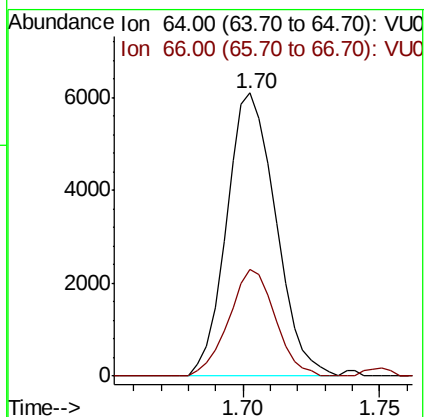
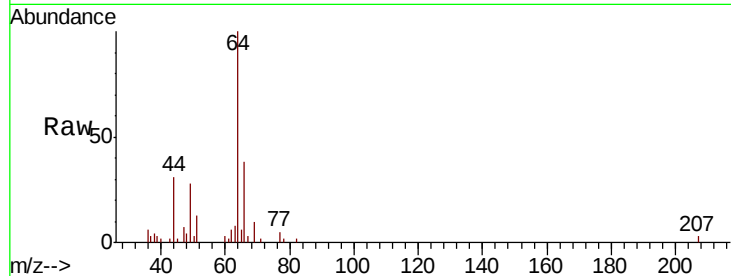
ClientSampleId :

Tot Ion: 64 Resp: 7631

Ion Ratio Lower Upper

64 100

66 37.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.887 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025933.D

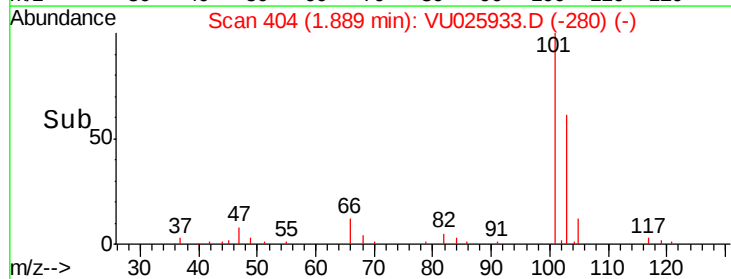
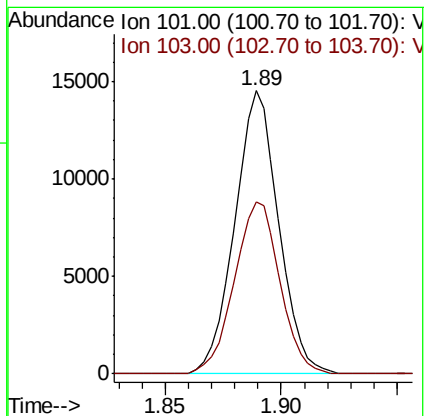
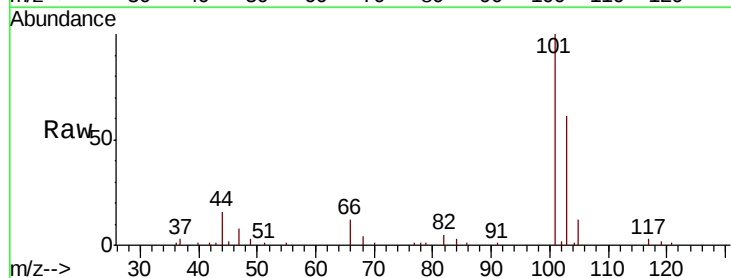
Acq: 07 Aug 2018 10:47

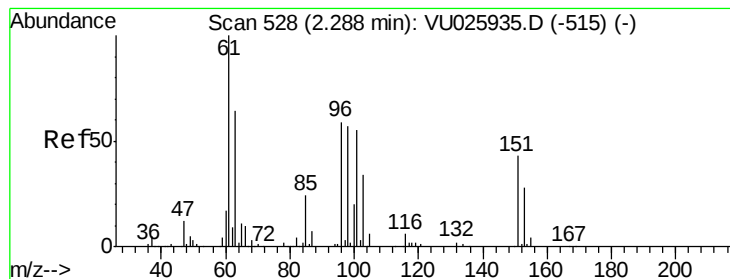
Tgt Ion:101 Resp: 19046

Ion Ratio Lower Upper

101 100

103 63.1 51.6 77.4





#10

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

Concen: 5.136 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

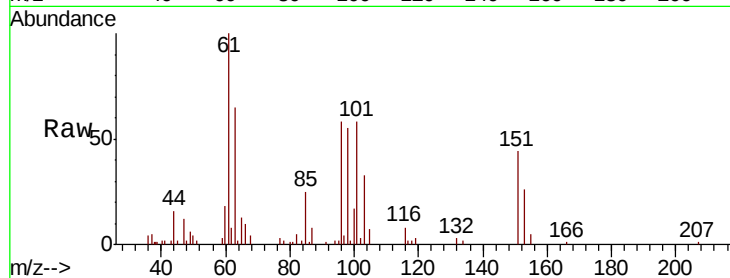
Tot Ion:101 Resp: 11064

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

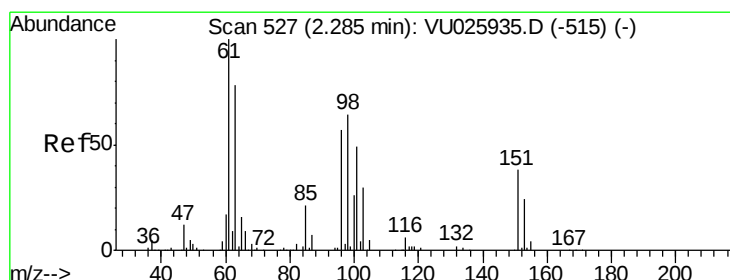
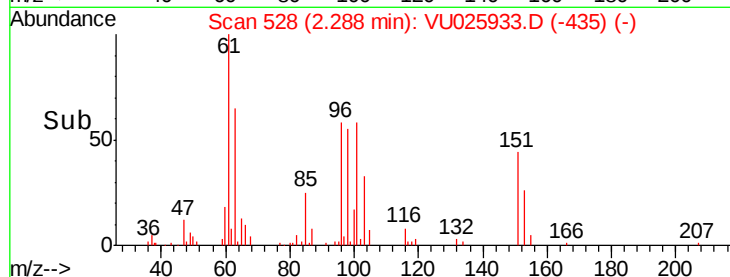
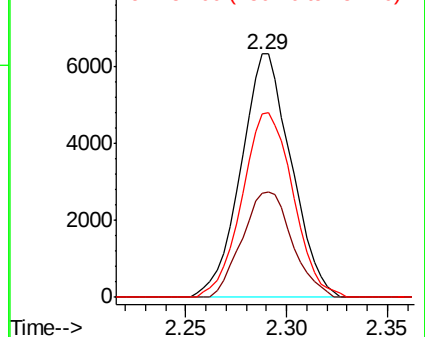
151 76.8 64.3 96.5



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: 4.715 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

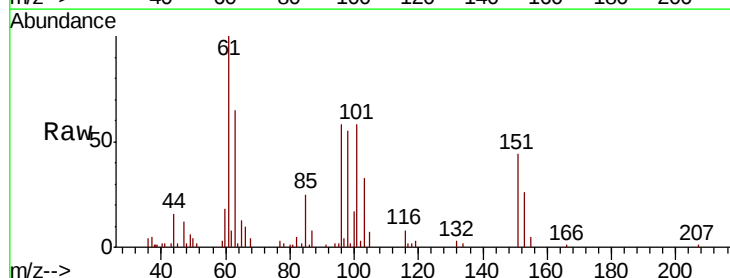
Tgt Ion: 96 Resp: 9327

Ion Ratio Lower Upper

96 100

61 172.5 123.0 228.4

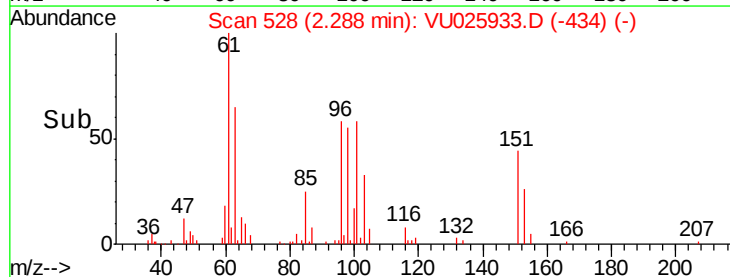
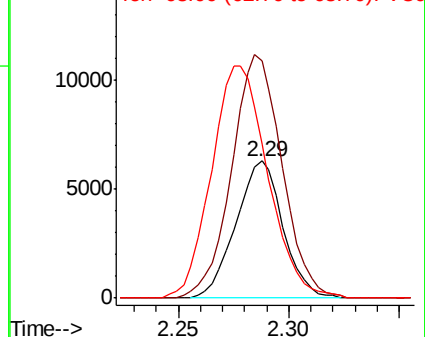
63 112.2 97.2 180.4

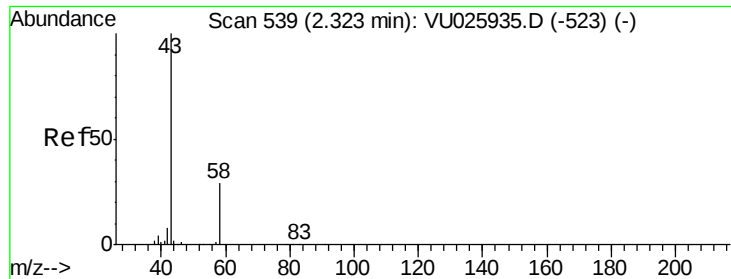


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.434 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

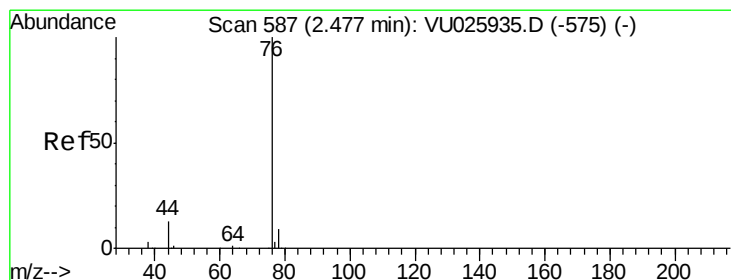
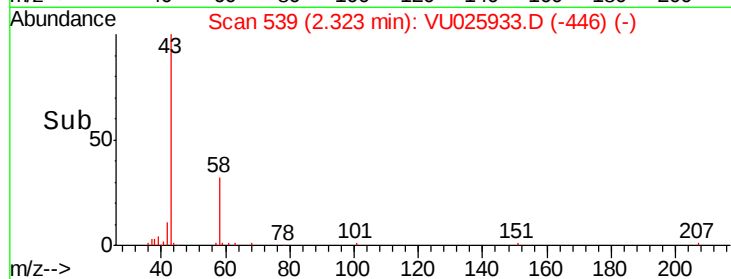
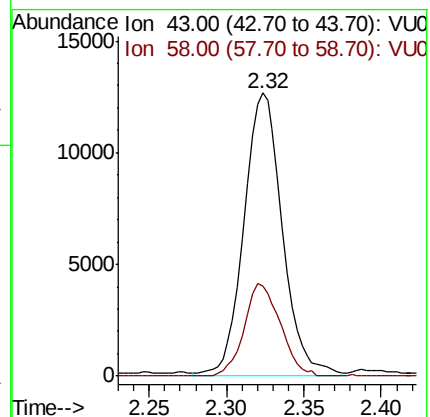
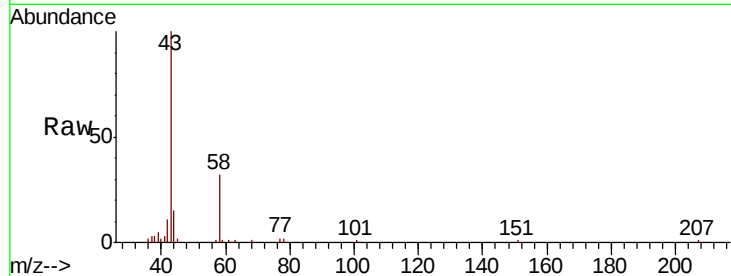
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21996

Ion Ratio Lower Upper

43 100

58 30.5 0.0 60.2



#14

Carbon disulfide

Concen: 5.069 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025933.D

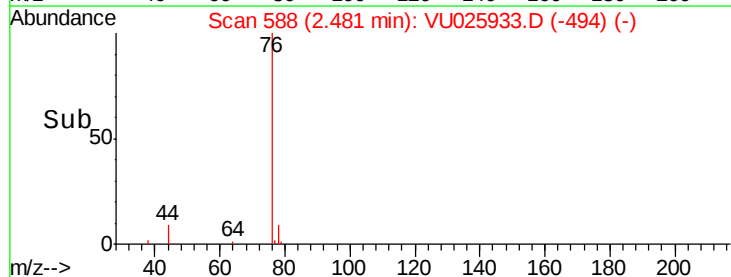
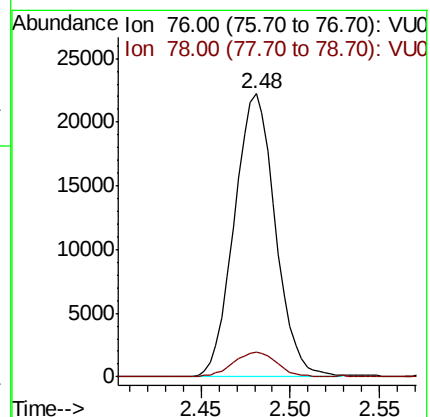
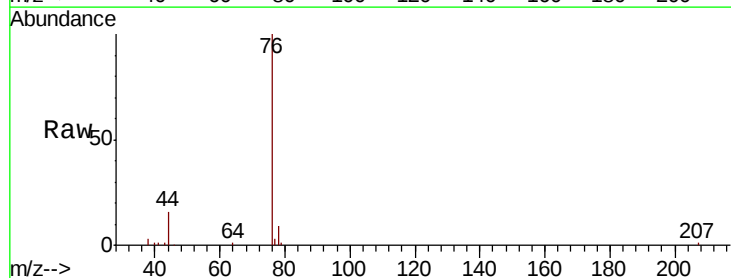
Acq: 07 Aug 2018 10:47

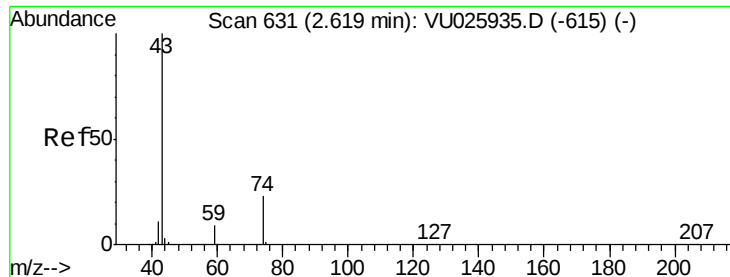
Tgt Ion: 76 Resp: 35727

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

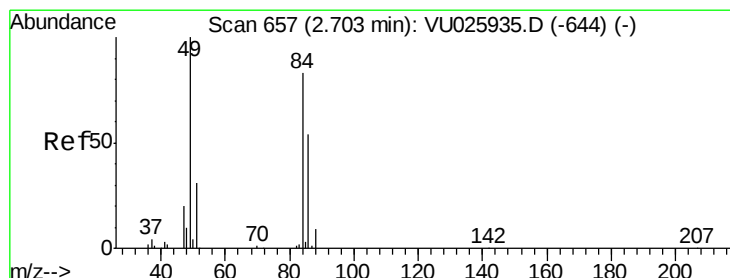
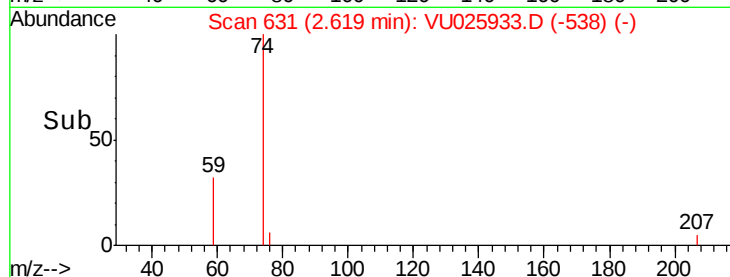
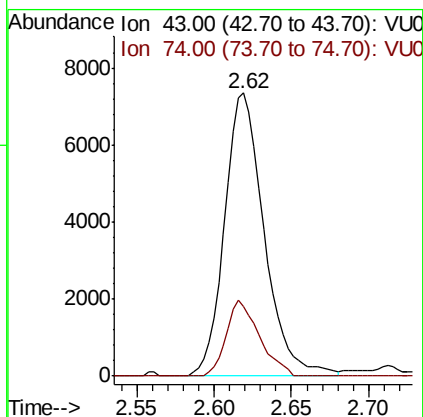
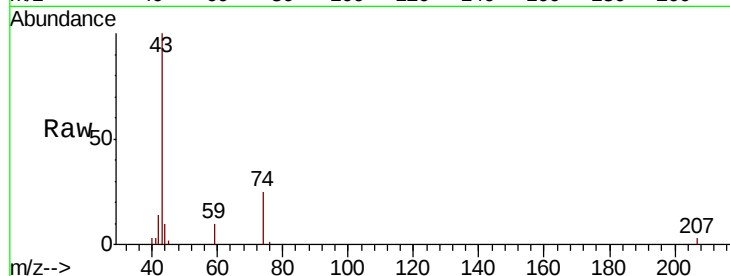




#15
Methyl Acetate
Concen: 4.832 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

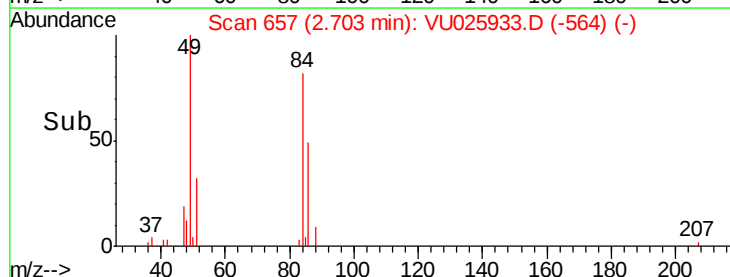
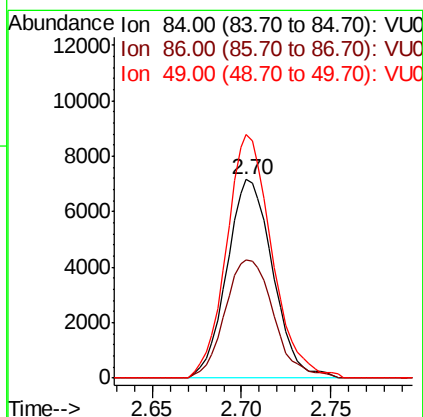
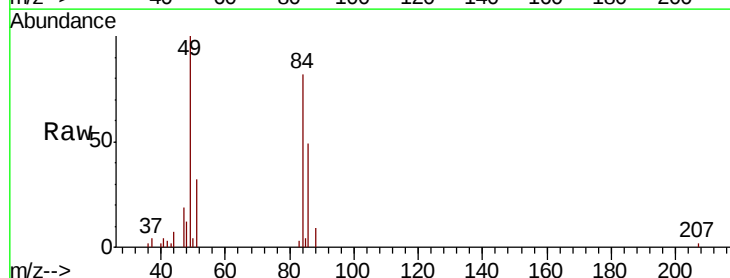
Instrument :
MSVOA_U
ClientSampleId :

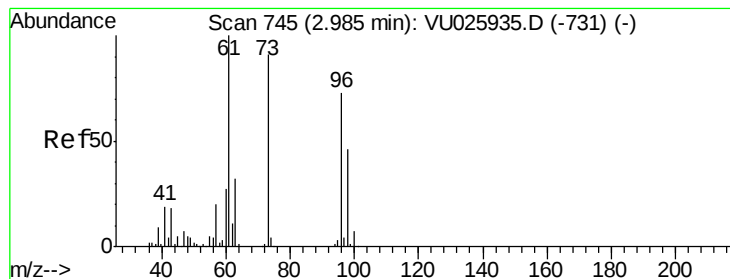
Tot Ion: 43 Resp: 13053
Ion Ratio Lower Upper
43 100
74 22.3 18.8 28.2



#16
Methylene chloride
Concen: 4.975 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

Tgt Ion: 84 Resp: 12826
Ion Ratio Lower Upper
84 100
86 59.6 45.2 84.0
49 122.6 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 4.864 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :

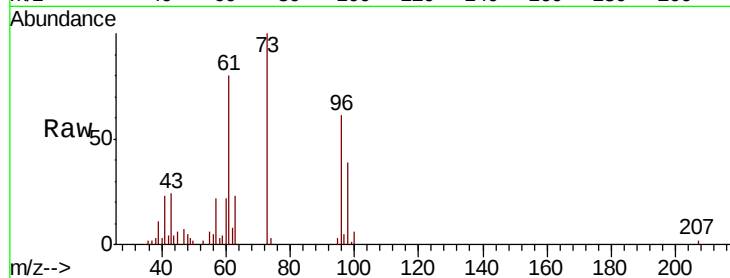
Tot Ion: 96 Resp: 11865

Ion Ratio Lower Upper

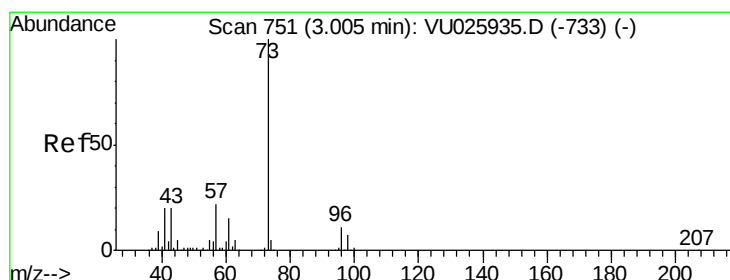
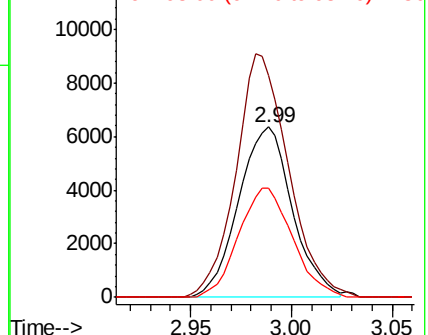
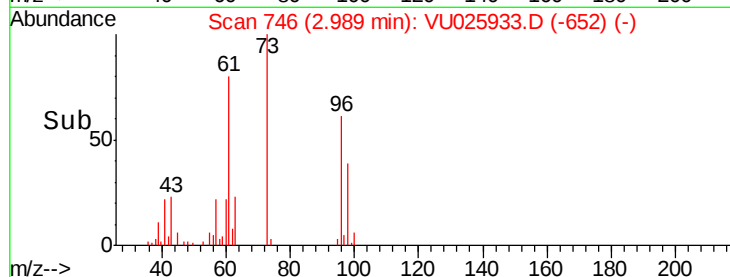
96 100

61 130.8 96.2 178.6

98 64.2 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: 4.767 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

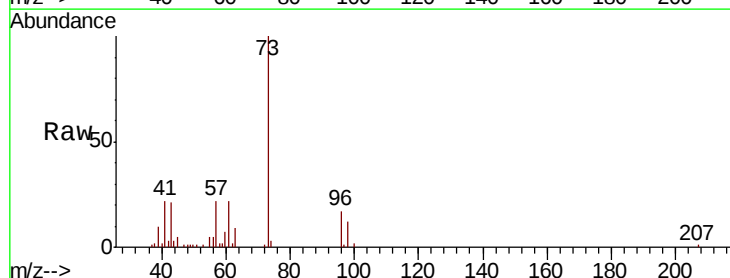
Tgt Ion: 73 Resp: 36971

Ion Ratio Lower Upper

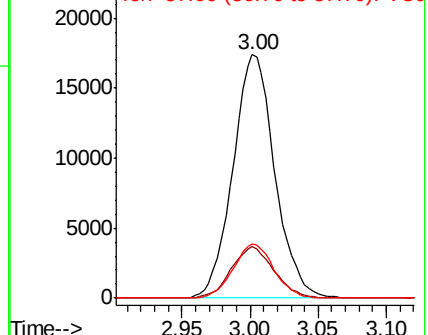
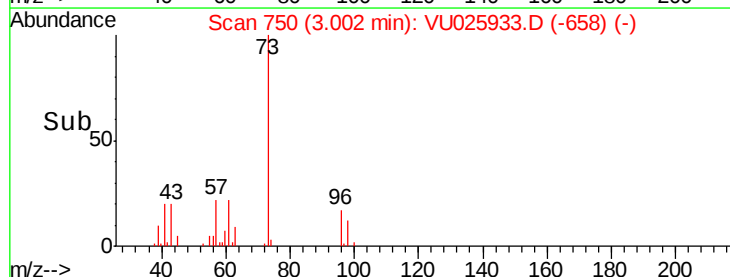
73 100

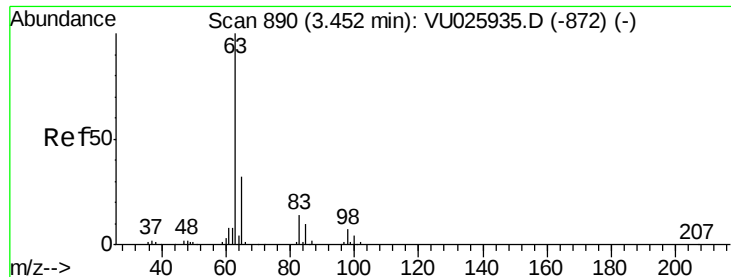
43 21.5 15.9 23.9

57 21.6 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: 4.789 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

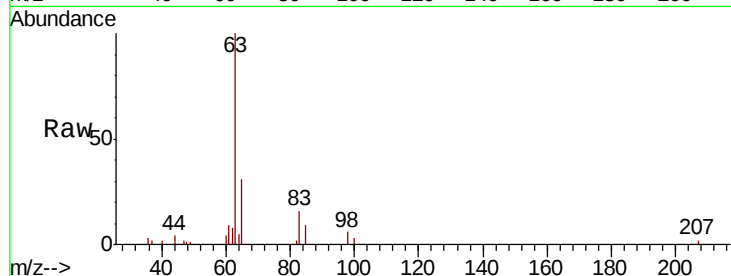
Tot Ion: 63 Resp: 21188

Ion Ratio Lower Upper

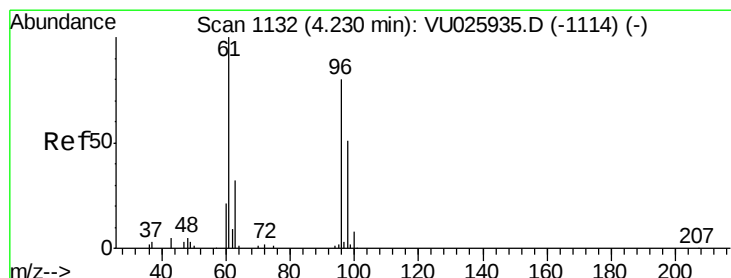
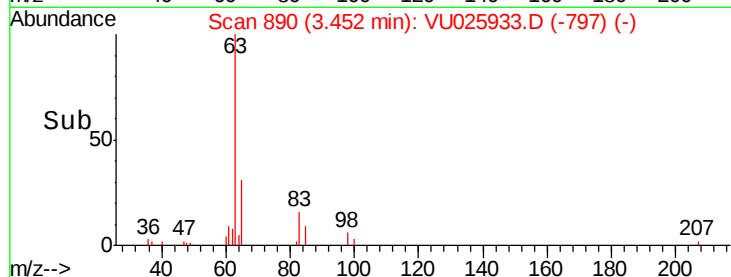
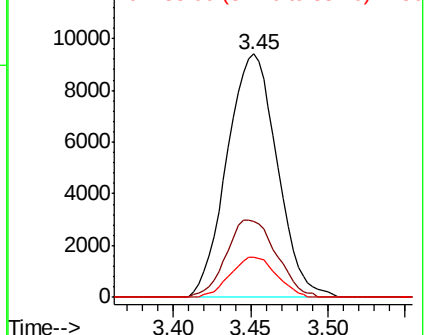
63 100

65 31.3 22.7 42.3

83 16.4 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: 4.792 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

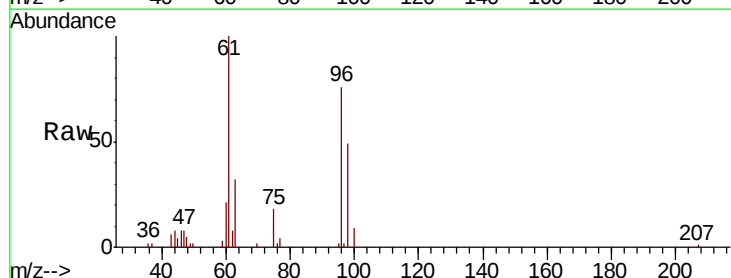
Tgt Ion: 96 Resp: 13060

Ion Ratio Lower Upper

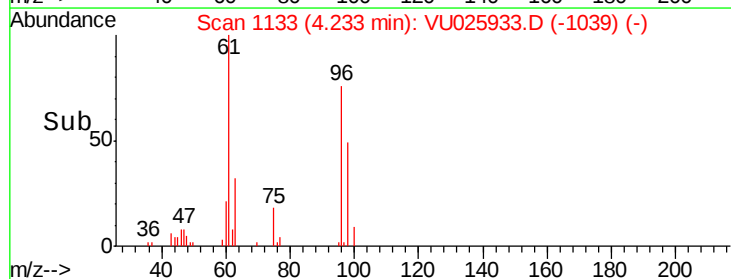
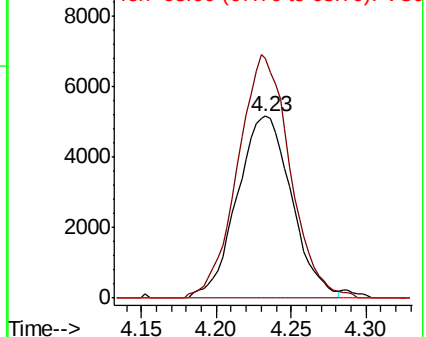
96 100

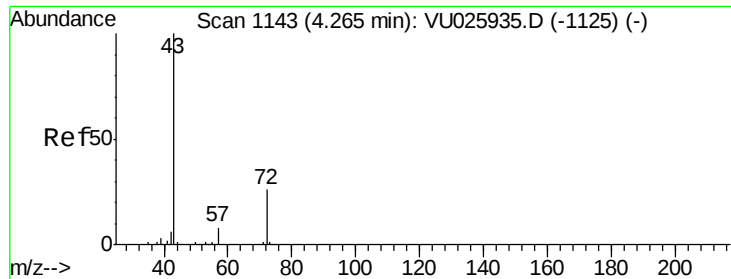
61 132.0 87.7 162.9

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: 10.809 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

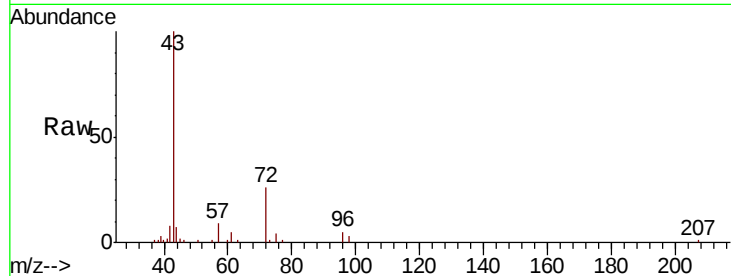
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 23906

Ion Ratio Lower Upper

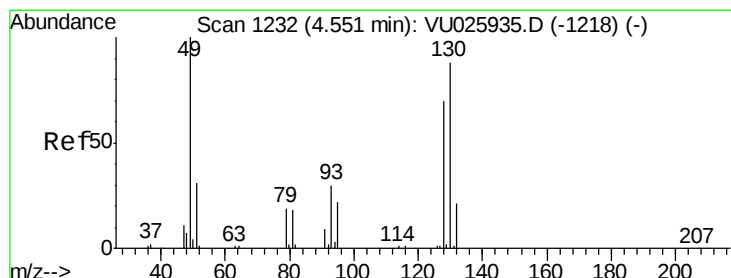
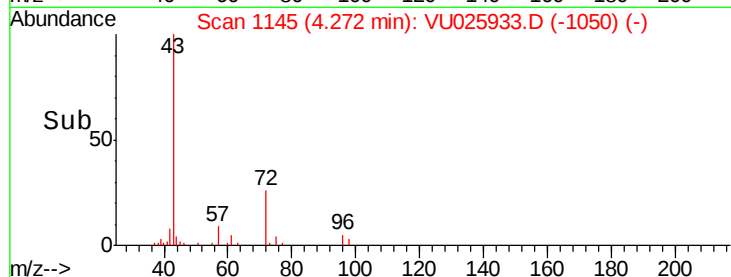
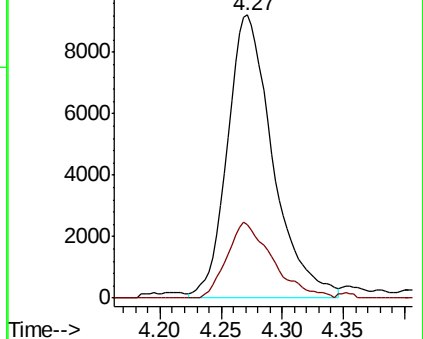
43 100

72 26.8 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025933.D (-1145) (-)

Ion 72.00 (71.70 to 72.70): VU025933.D (-1145) (-)



#23

Bromochloromethane

Concen: 4.997 ug/L

RT: 4.56 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Tgt Ion:128 Resp: 7150

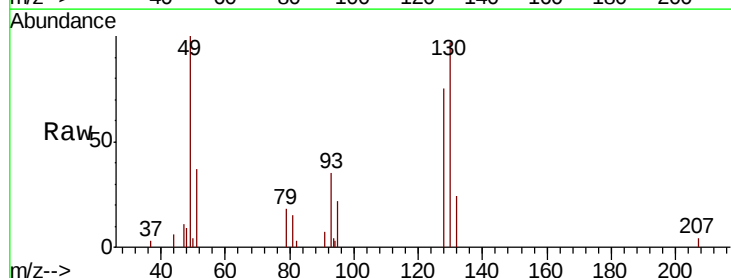
Ion Ratio Lower Upper

128 100

49 133.1 100.9 187.5

130 129.6 88.6 164.6

51 49.7 35.9 53.9

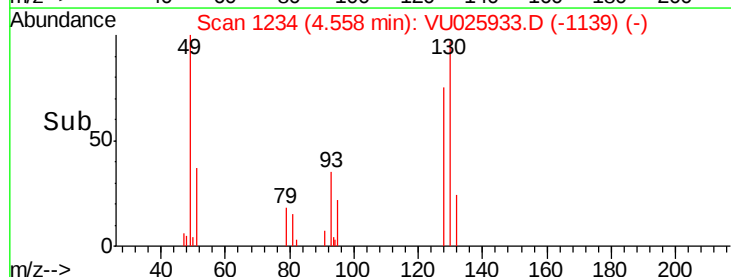
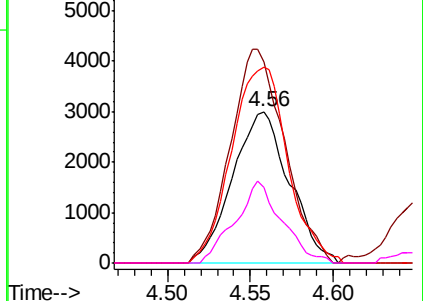


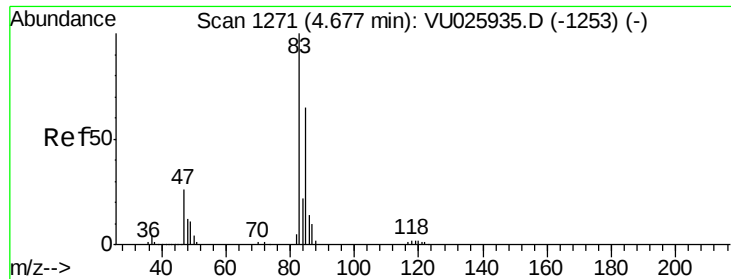
Abundance Ion 128.00 (127.70 to 128.70): VU025933.D (-1234) (-)

Ion 49.00 (48.70 to 49.70): VU025933.D (-1234) (-)

Ion 130.00 (129.70 to 130.70): VU025933.D (-1234) (-)

Ion 51.00 (50.70 to 51.70): VU025933.D (-1234) (-)





#25

Chloroform

Concen: 4.987 ug/L

RT: 4.68 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

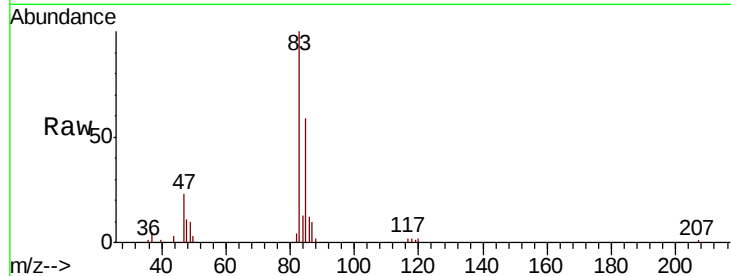
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 23373

Ion Ratio Lower Upper

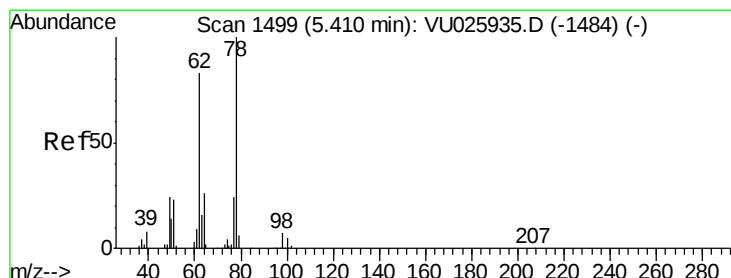
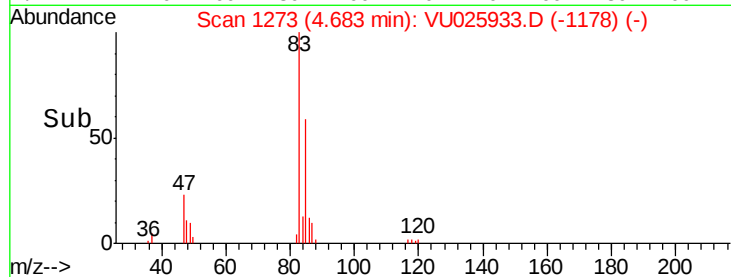
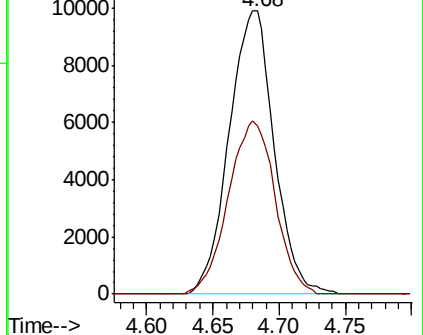
83 100

85 59.3 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VU025933.D (-1253) (-)

Ion 85.00 (84.70 to 85.70): VU025933.D (-1253) (-)



#27

1,2-Dichloroethane

Concen: 4.782 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025933.D

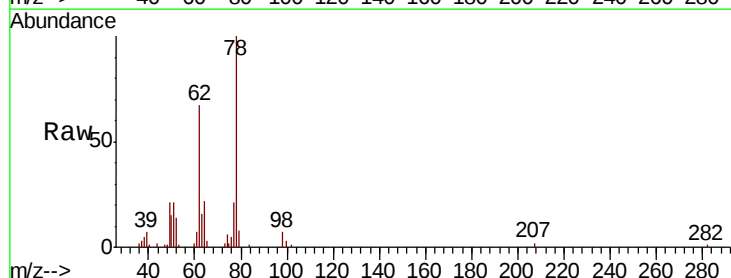
Acq: 07 Aug 2018 10:47

Tgt Ion: 62 Resp: 17874

Ion Ratio Lower Upper

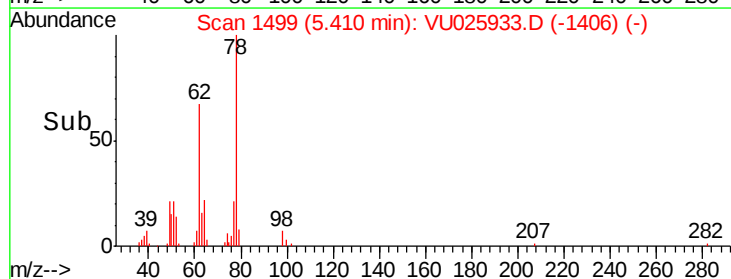
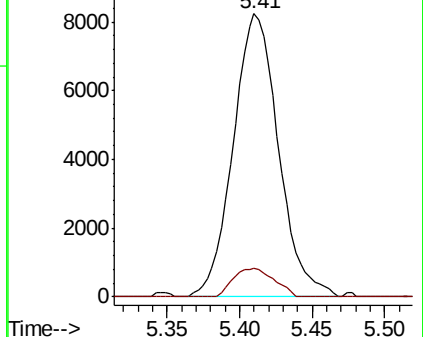
62 100

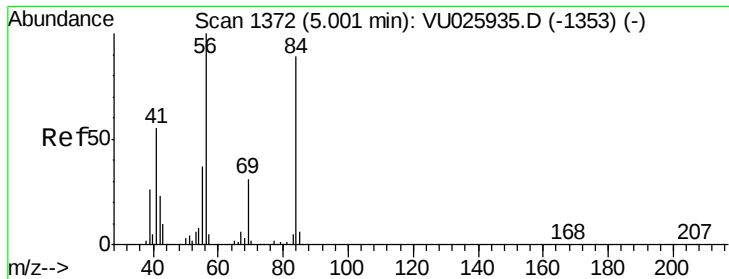
98 10.0 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU025933.D (-1406) (-)

Ion 98.00 (97.70 to 98.70): VU025933.D (-1406) (-)

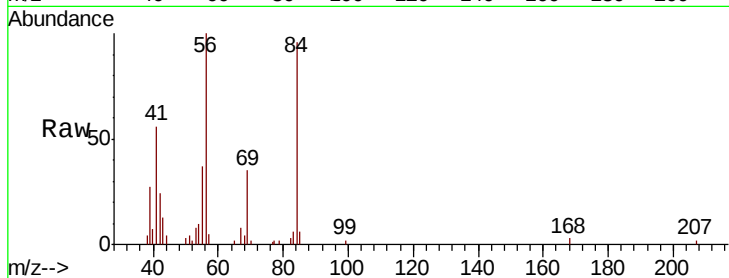




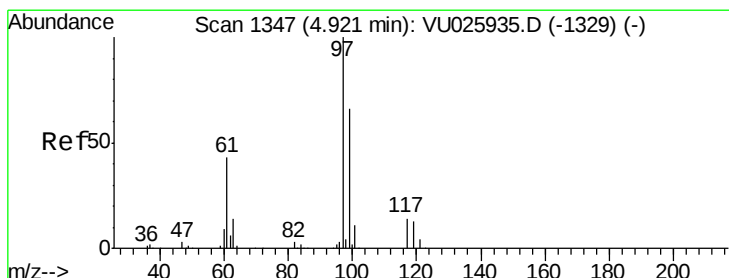
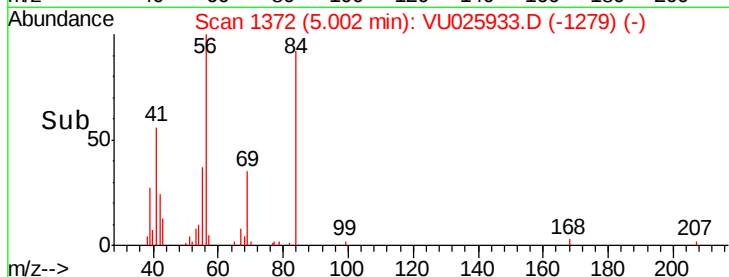
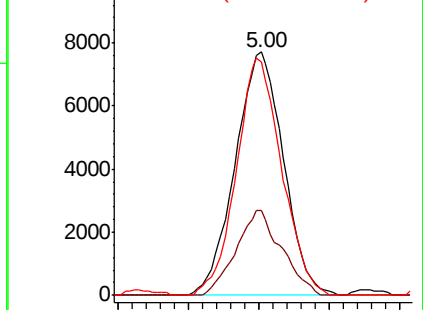
#29
Cyclohexane
Concen: 4.793 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 18427
Ion Ratio Lower Upper
56 100
69 32.9 24.6 36.8
84 91.3 71.4 107.2

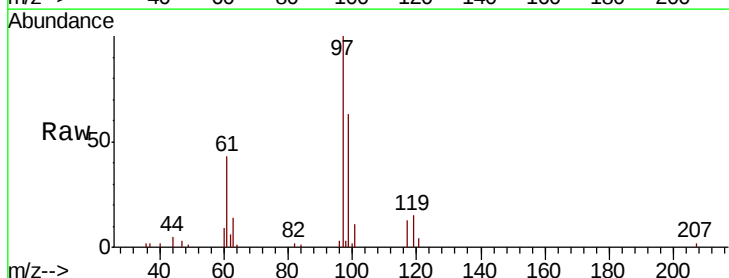


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

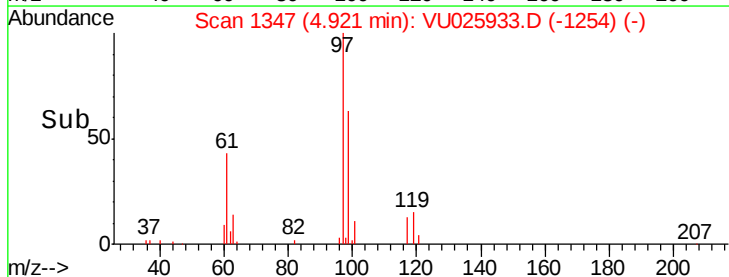
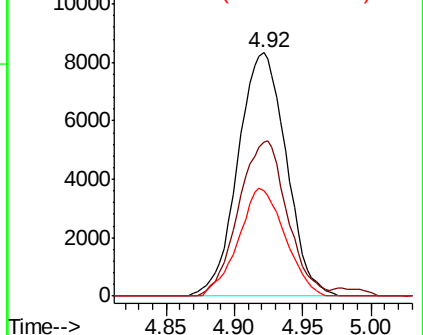


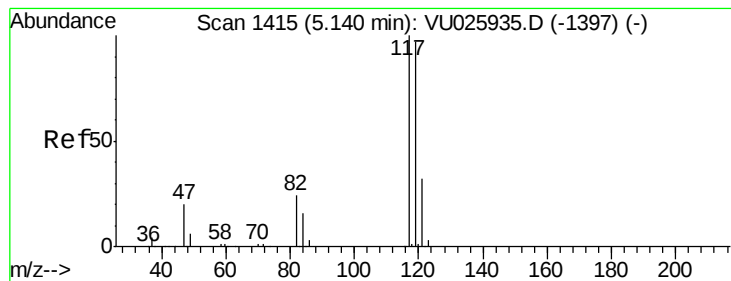
#30
1,1,1-Trichloroethane
Concen: 4.928 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

Tgt Ion: 97 Resp: 20464
Ion Ratio Lower Upper
97 100
99 64.2 52.3 78.5
61 42.8 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: 4.758 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

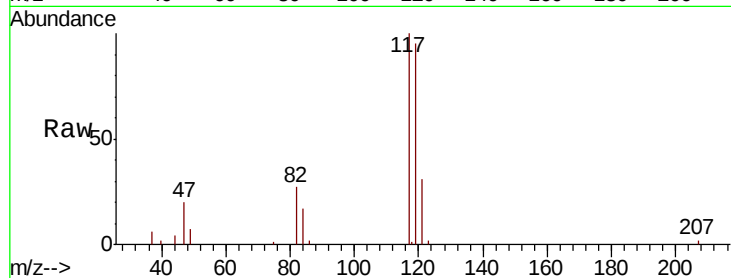
ClientSampleId :

Tot Ion:117 Resp: 17670

Ion Ratio Lower Upper

117 100

119 97.8 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8000

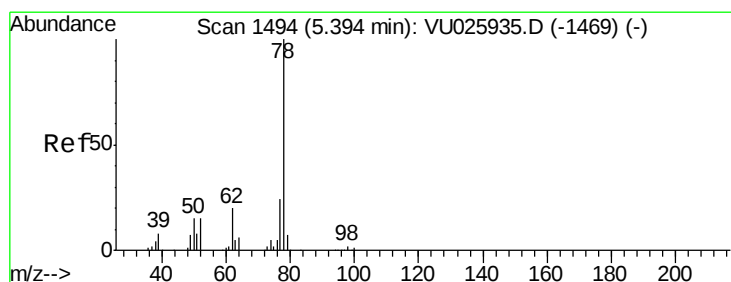
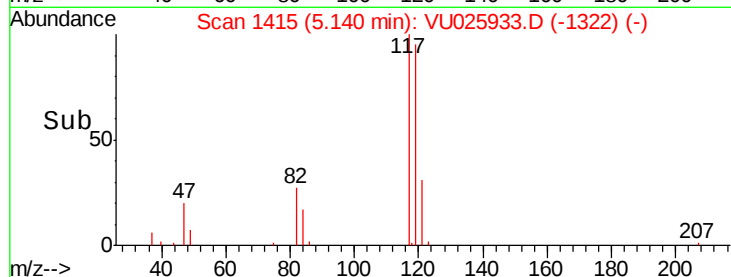
6000

4000

2000

0

Time--> 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.869 ug/L

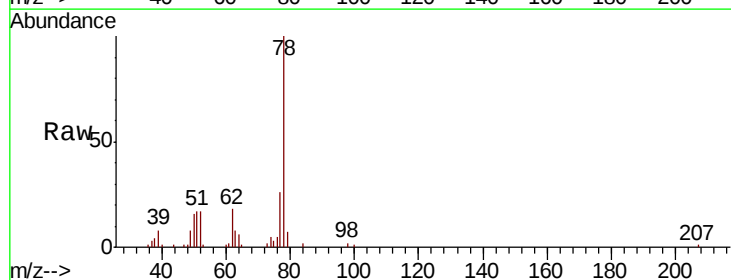
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Tgt Ion: 78 Resp: 46432



Abundance Ion 78.00 (77.70 to 78.70): VU0

20000

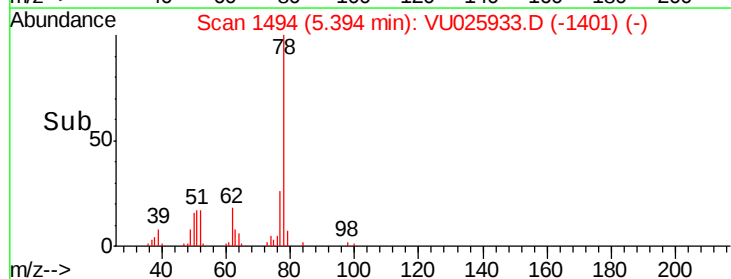
15000

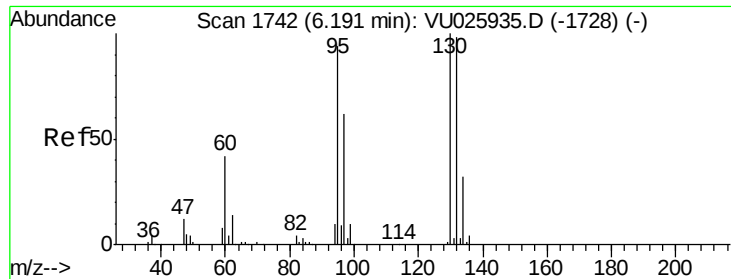
10000

5000

0

Time--> 5.30 5.35 5.40 5.45 5.50

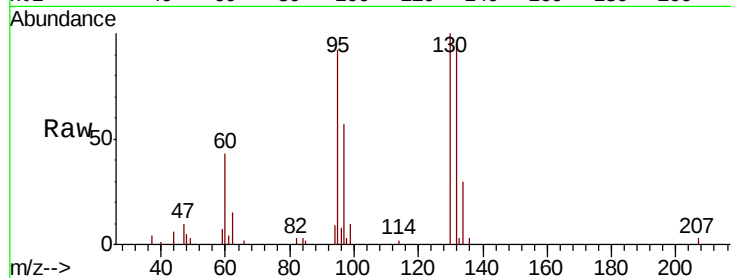




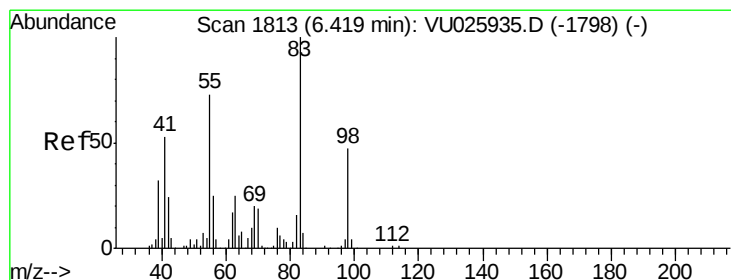
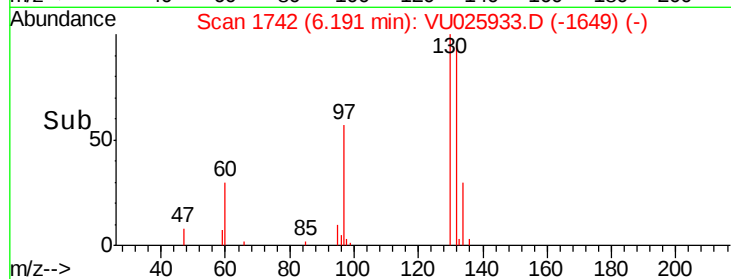
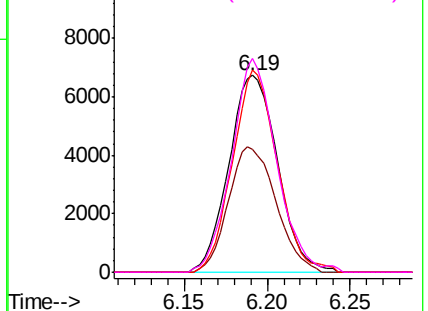
#34
 Trichloroethene
 Concen: 5.183 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	13755
Ion	Ratio	Lower	Upper
95	100		
97	62.2	46.6	86.6
132	102.5	73.3	136.1
130	108.4	74.8	138.8

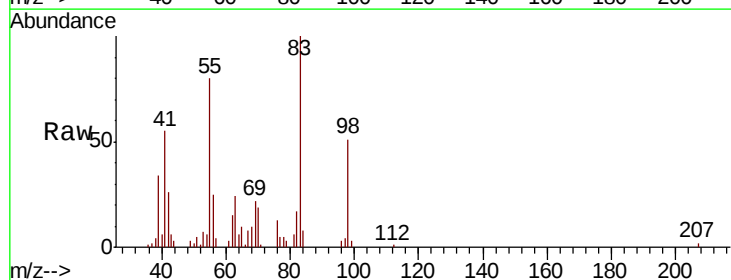


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

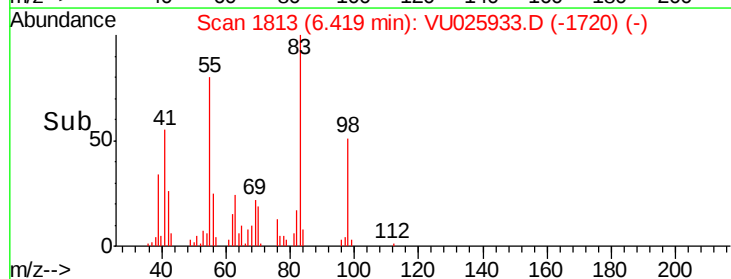
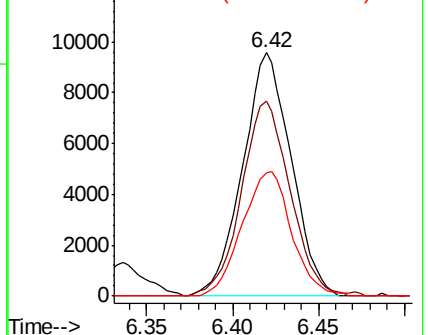


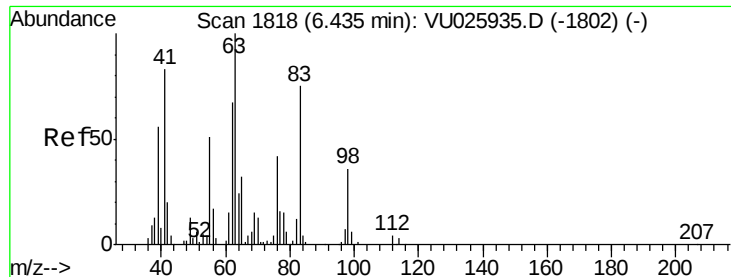
#35
 Methylcyclohexane
 Concen: 4.676 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion:	83	Resp:	18781
Ion	Ratio	Lower	Upper
83	100		
55	79.9	58.3	87.5
98	51.9	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

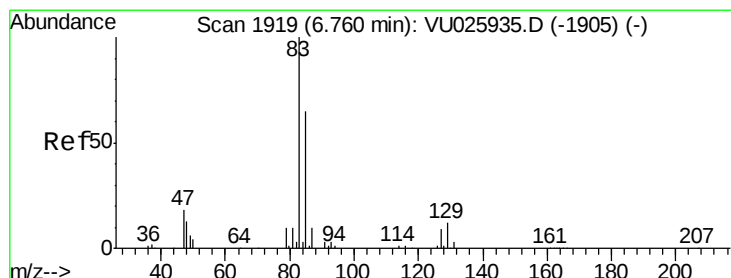
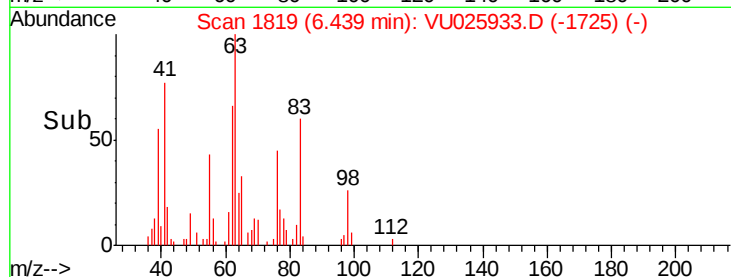
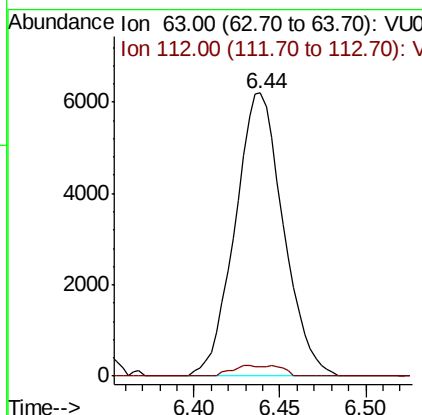
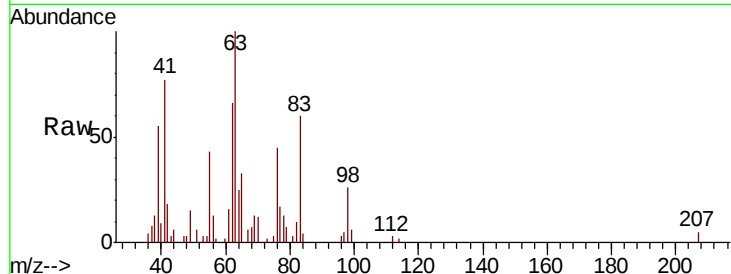




#37
 1,2-Dichloropropane
 Concen: 4.751 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

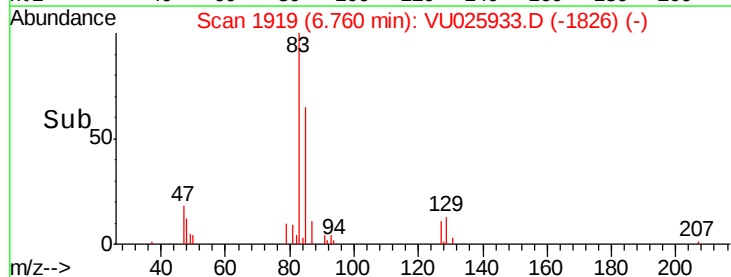
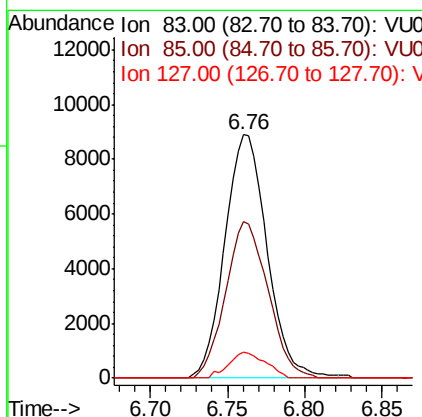
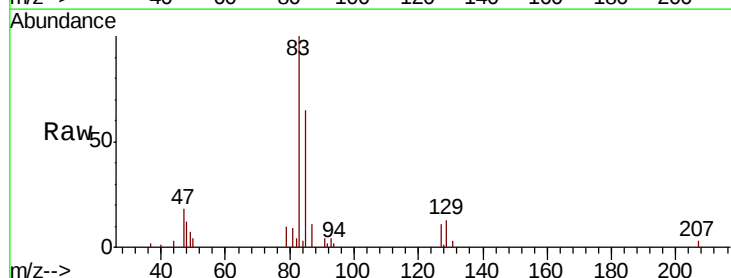
Instrument :
 MSVOA_U
 ClientSampleId :

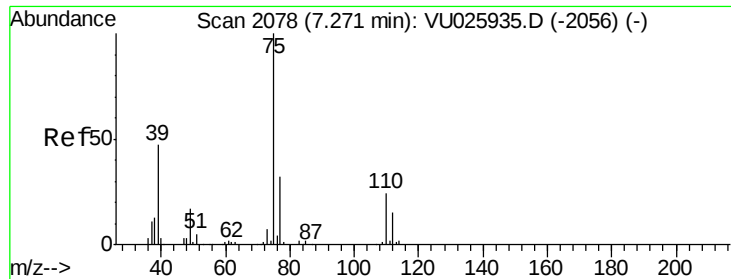
Tot Ion: 63 Resp: 12104
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 4.876 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion: 83 Resp: 16888
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.2 84.0
 127 10.6 7.1 10.7

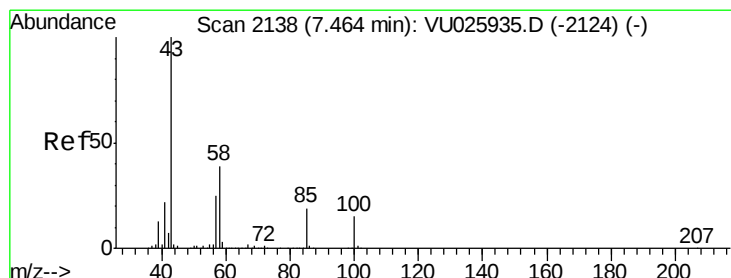
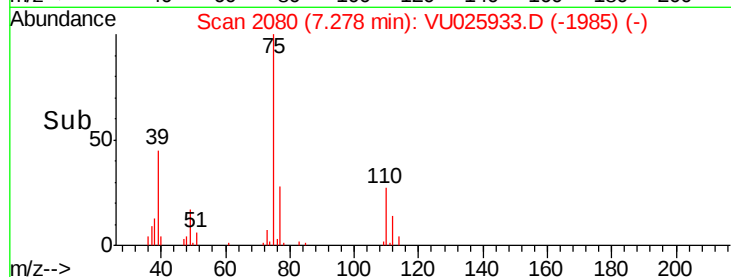
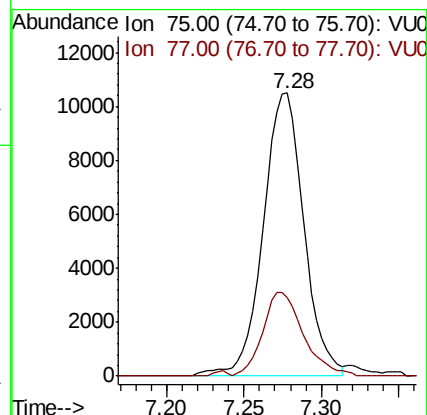
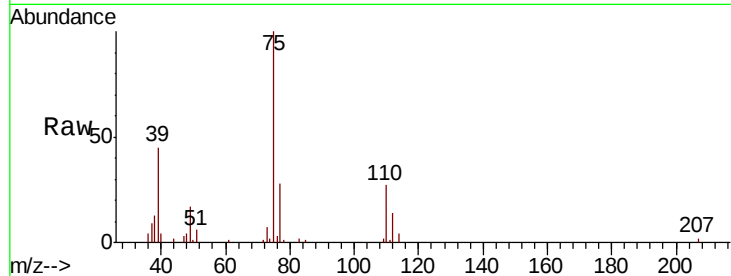




#39
 cis-1,3-Dichloropropene
 Concen: 4.649 ug/L
 RT: 7.28 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

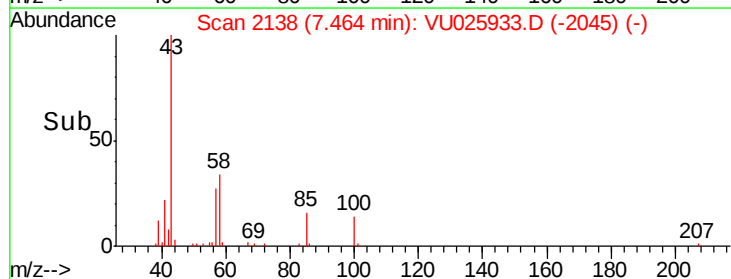
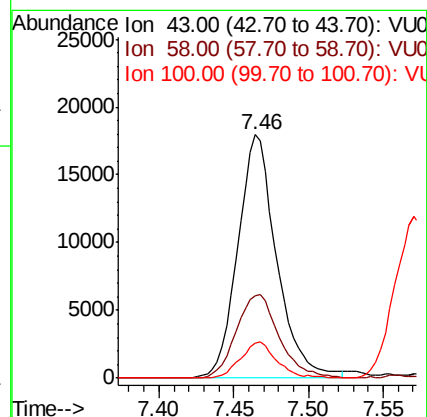
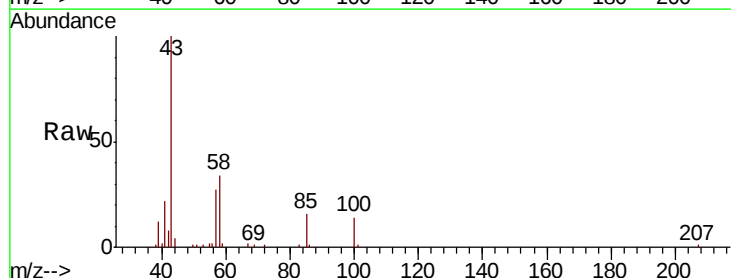
Instrument :
 MSVOA_U
 ClientSampled :

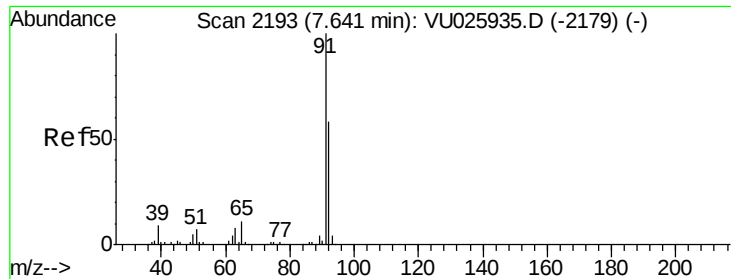
Tot Ion: 75 Resp: 19293
 Ion Ratio Lower Upper
 75 100
 77 27.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 9.328 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion: 43 Resp: 32405
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.0 46.4
 100 13.4 12.4 18.6





#42

Toluene

Concen: 4.756 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

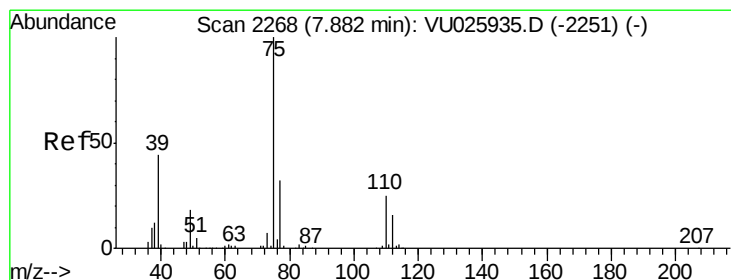
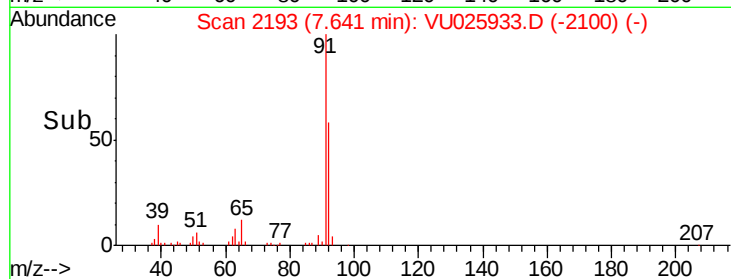
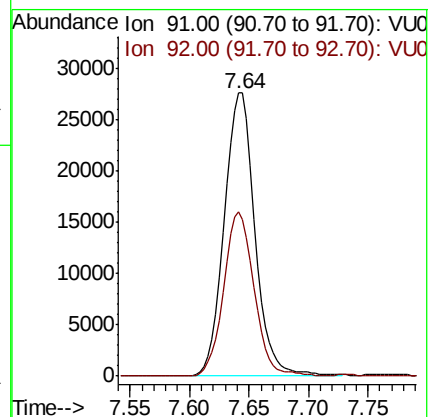
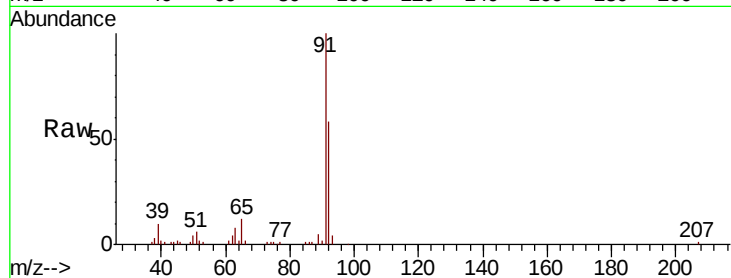
ClientSampleId :

Tot Ion: 91 Resp: 49493

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.553 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025933.D

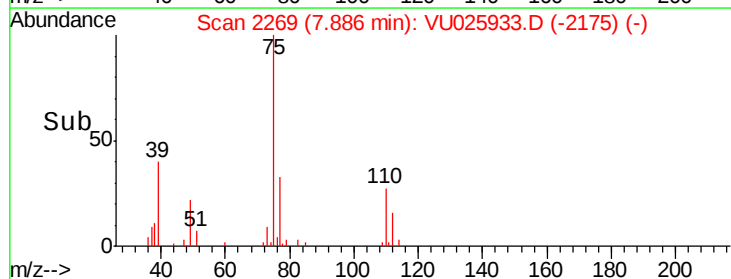
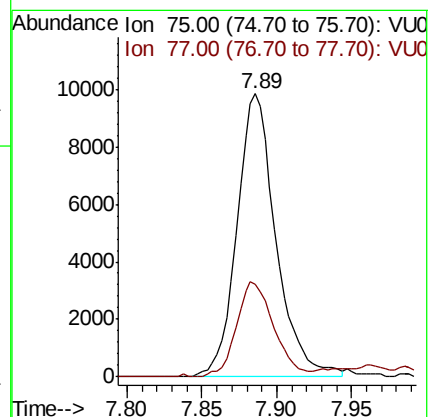
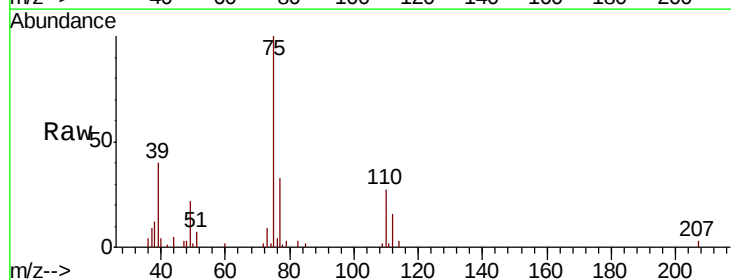
Acq: 07 Aug 2018 10:47

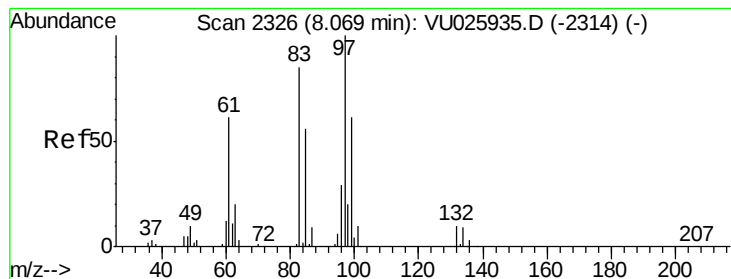
Tgt Ion: 75 Resp: 17858

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.768 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 11604

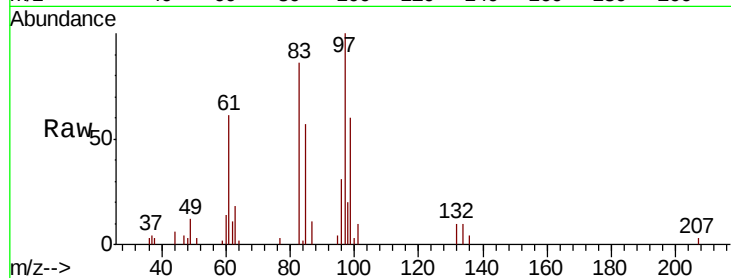
Ion Ratio Lower Upper

97 100

99 59.6 42.6 79.0

83 85.6 59.6 110.6

85 56.7 38.9 72.2



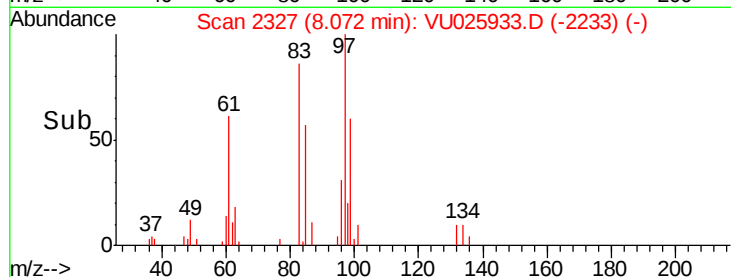
Abundance

Ion 97.00 (96.70 to 97.70): VU0

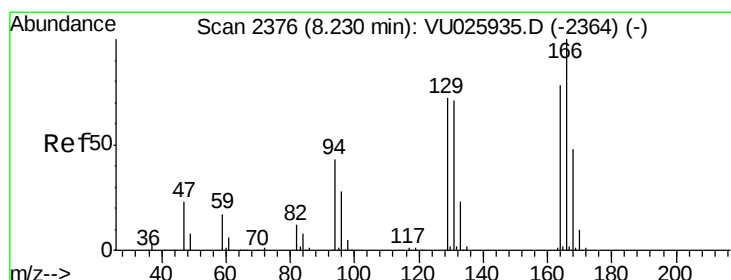
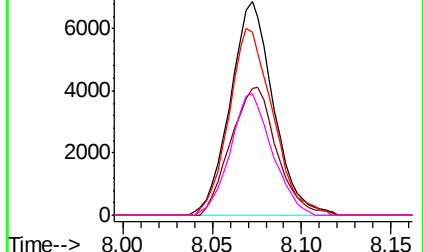
Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#46

Tetrachloroethene

Concen: 4.879 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Tgt Ion:164 Resp: 11129

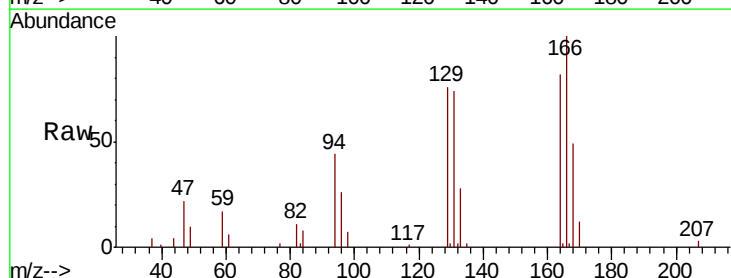
Ion Ratio Lower Upper

164 100

129 92.5 64.8 120.3

131 90.1 63.1 117.3

166 122.4 89.5 166.3



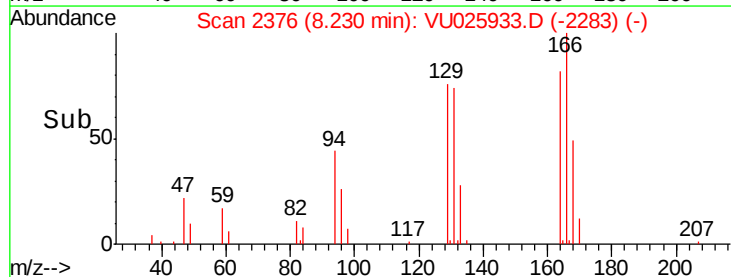
Abundance

Ion 164.00 (163.70 to 164.70): V

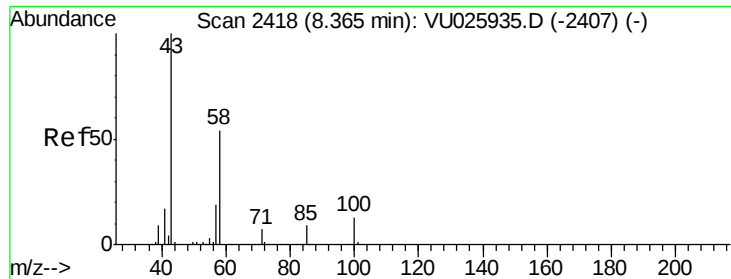
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



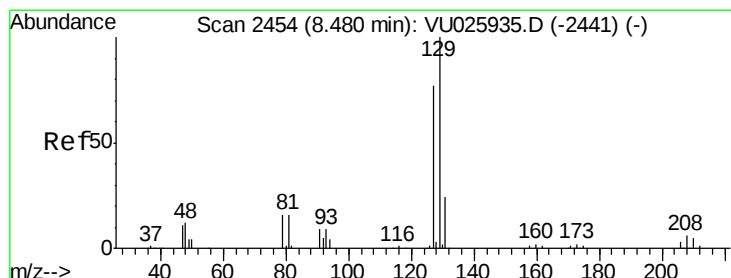
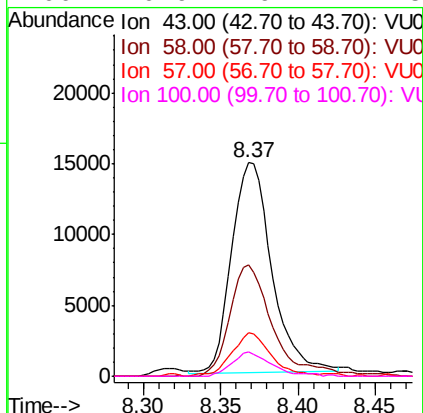
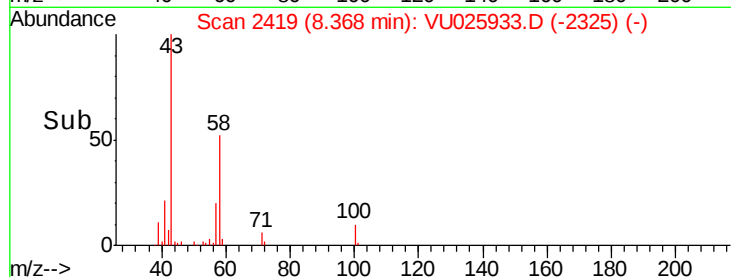
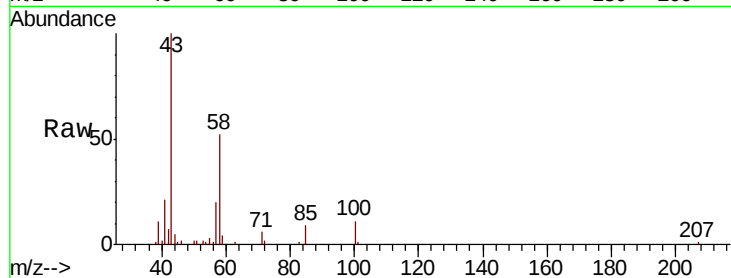
Time-->



#48
2-Hexanone
Concen: 9.625 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

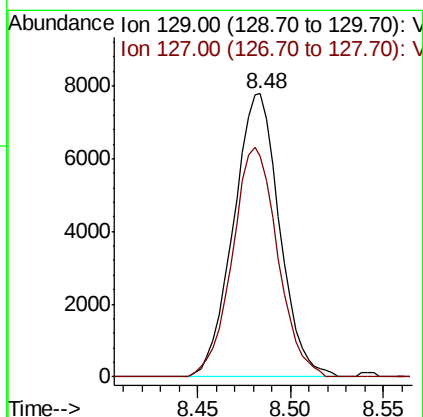
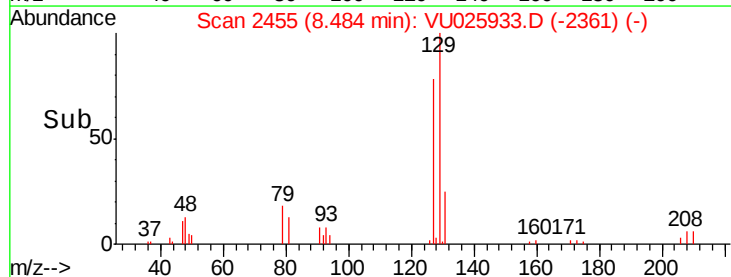
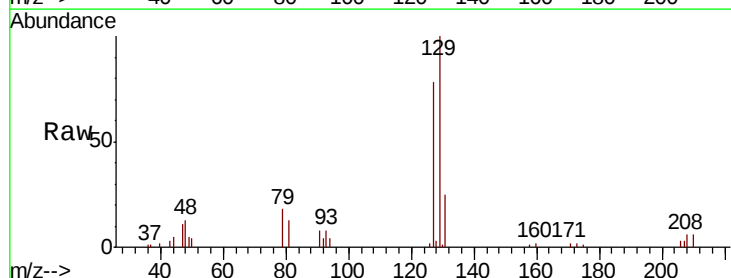
Instrument :
MSVOA_U
ClientSampleId :

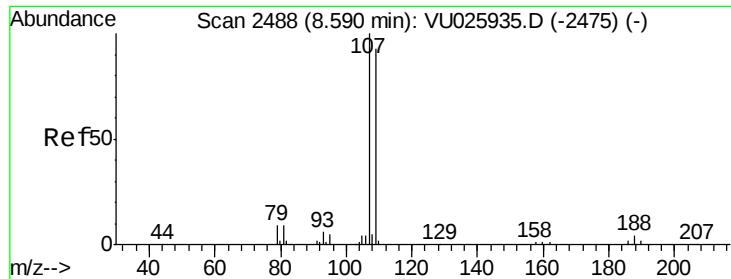
Tot Ion: 43 Resp: 26976
Ion Ratio Lower Upper
43 100
58 55.0 43.3 64.9
57 19.9 15.0 22.6
100 10.9 9.7 14.5



#49
Dibromochloromethane
Concen: 4.485 ug/L
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU025933.D
Acq: 07 Aug 2018 10:47

Tgt Ion: 129 Resp: 13407
Ion Ratio Lower Upper
129 100
127 78.1 54.3 100.8

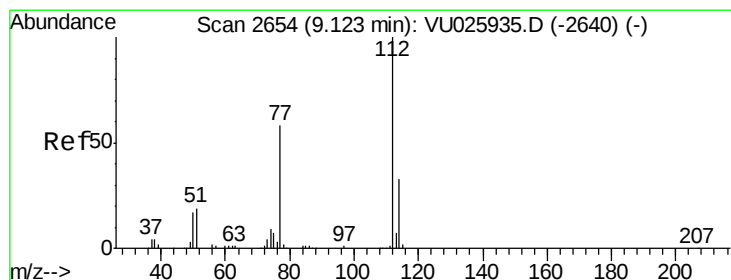
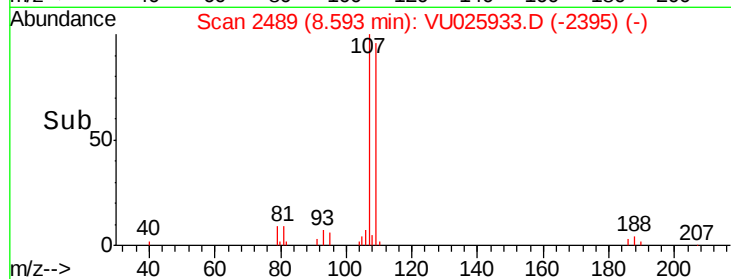
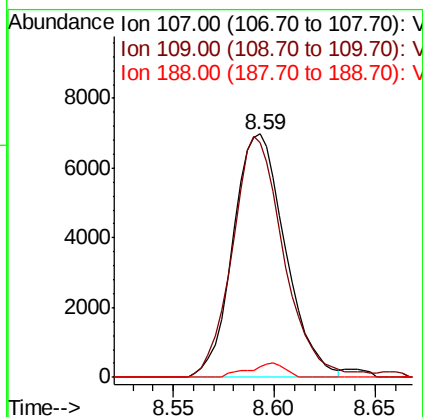
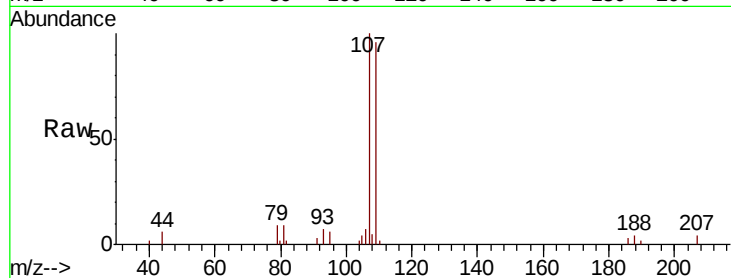




#50
 1,2-Dibromoethane
 Concen: 4.631 ug/L
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

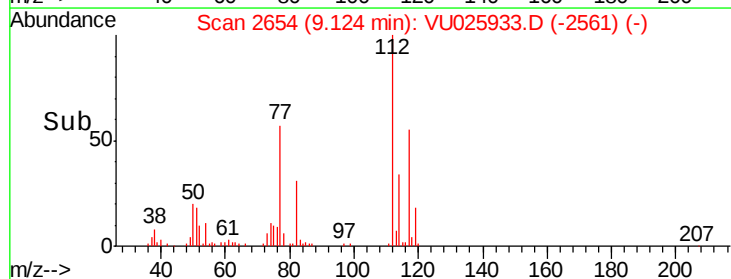
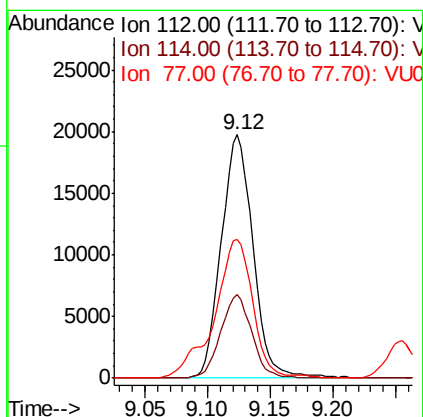
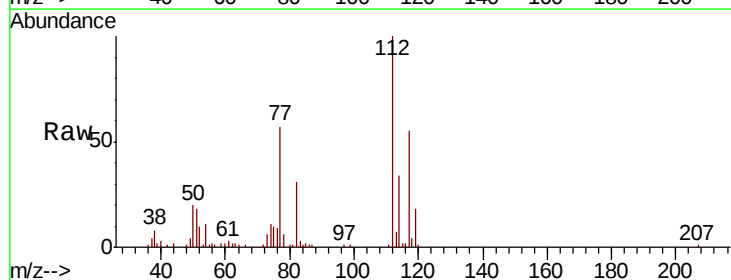
Instrument :
 MSVOA_U
 ClientSampleId :

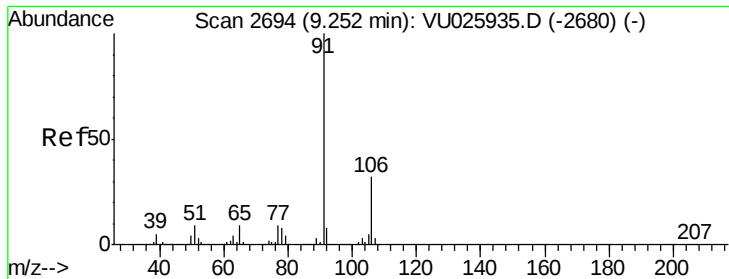
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	65.1	120.9
188	4.2	3.4	5.2



#51
 Chlorobenzene
 Concen: 4.864 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.3	22.9	42.5
77	57.2	46.6	70.0





#52

Ethylbenzene

Concen: 4.783 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

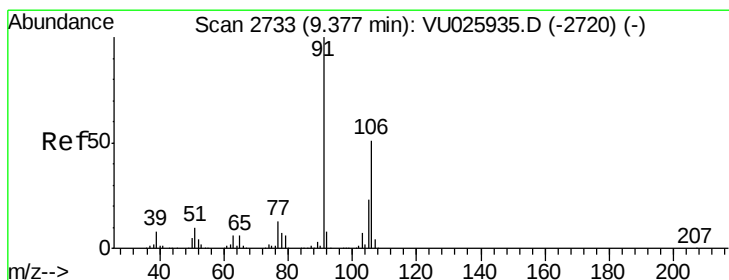
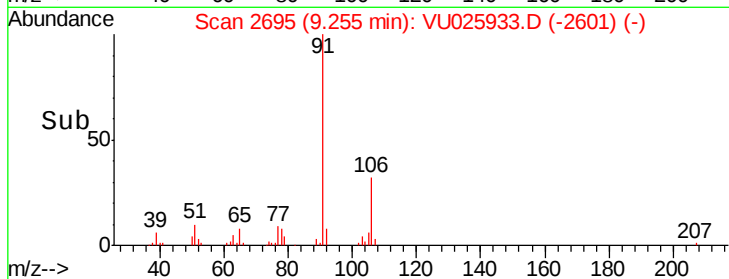
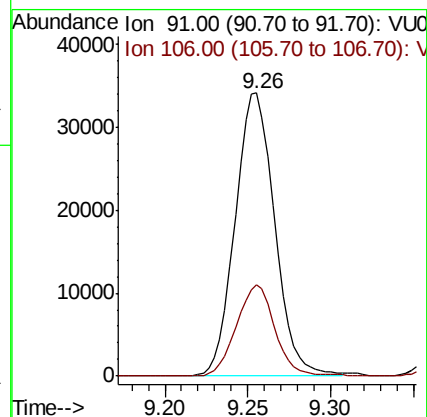
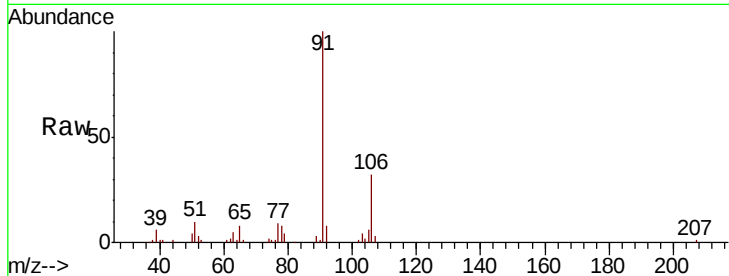
ClientSampleId :

Tot Ion: 91 Resp: 56631

Ion Ratio Lower Upper

91 100

106 32.4 22.1 41.1



#53

m,p-Xylene

Concen: 4.805 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025933.D

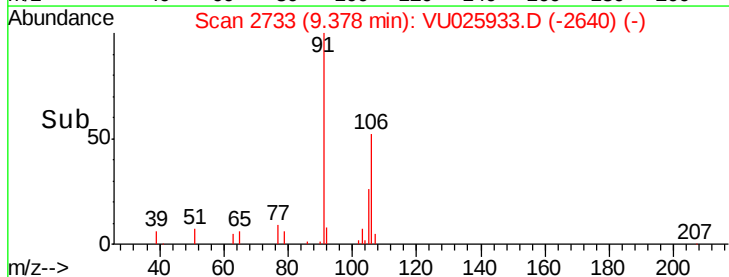
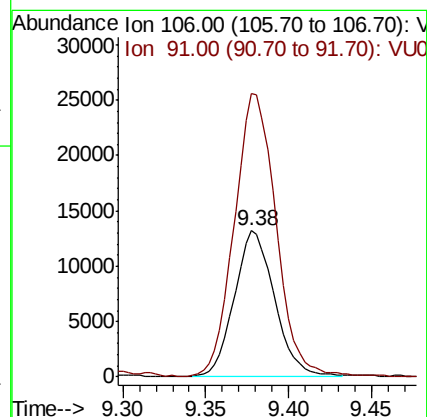
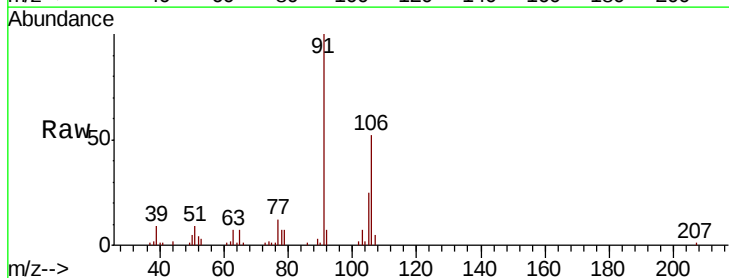
Acq: 07 Aug 2018 10:47

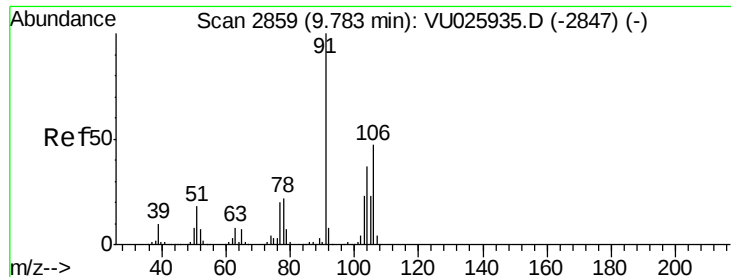
Tgt Ion: 106 Resp: 22317

Ion Ratio Lower Upper

106 100

91 194.1 137.8 255.8





#54

o-xylene

Concen: 4.476 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

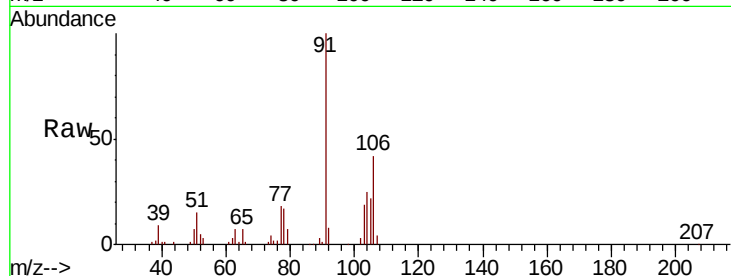
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 19796

Ion Ratio Lower Upper

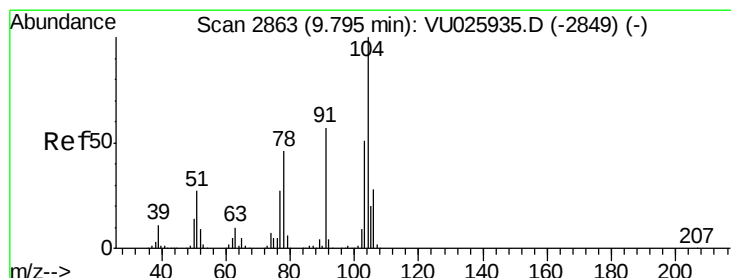
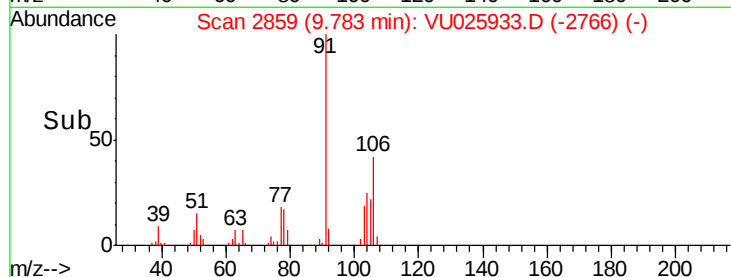
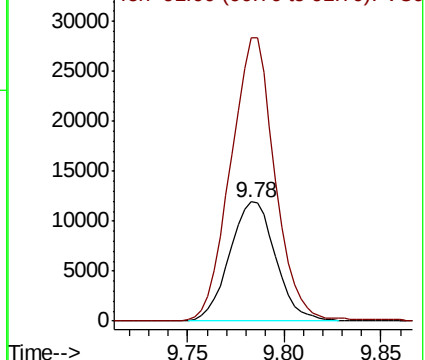
106 100

91 237.6 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.350 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025933.D

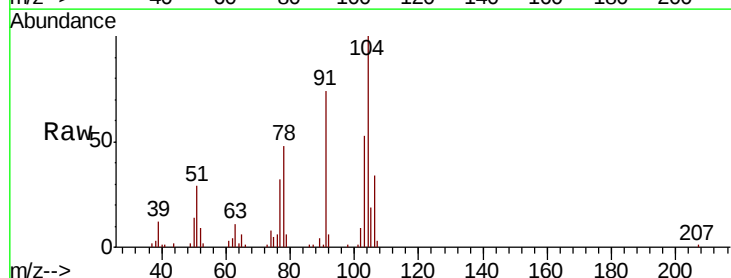
Acq: 07 Aug 2018 10:47

Tgt Ion:104 Resp: 32420

Ion Ratio Lower Upper

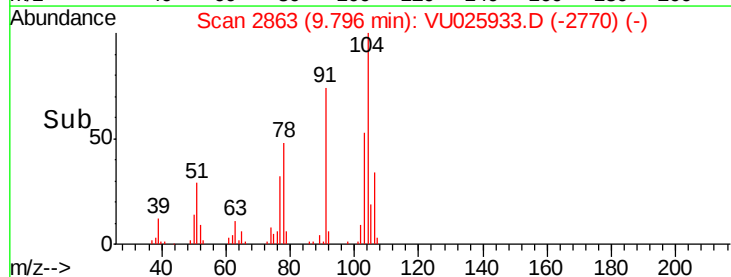
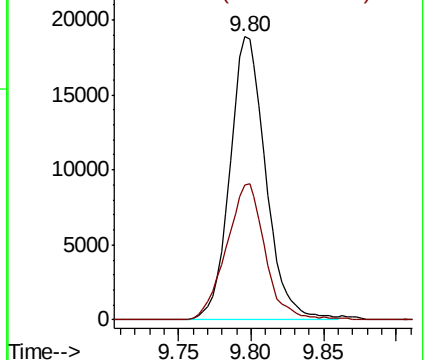
104 100

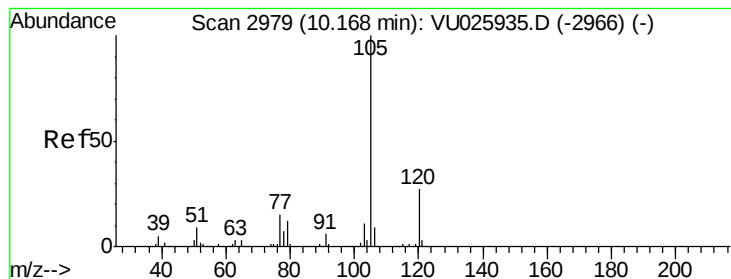
78 47.6 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.685 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

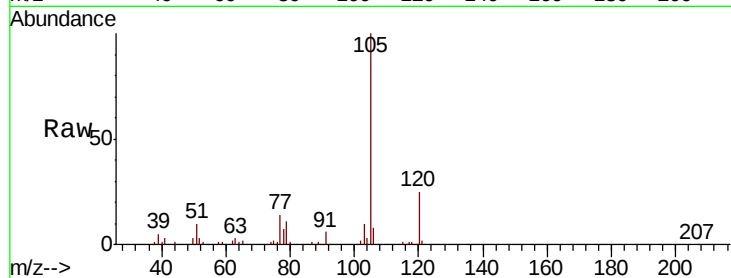
Tot Ion:105 Resp: 55076

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5

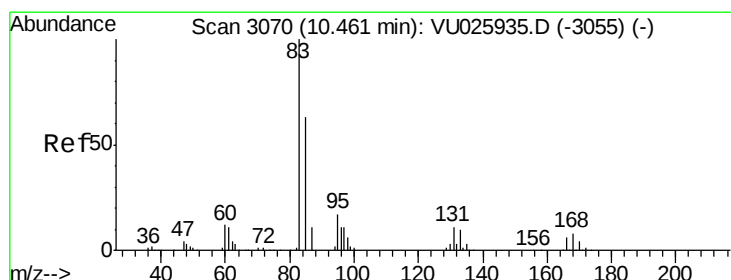
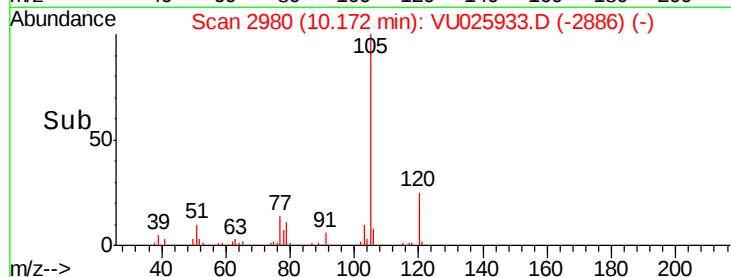
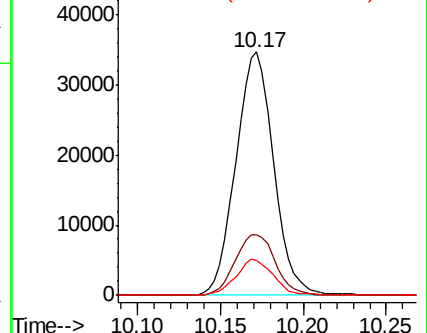
77 14.5 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.867 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

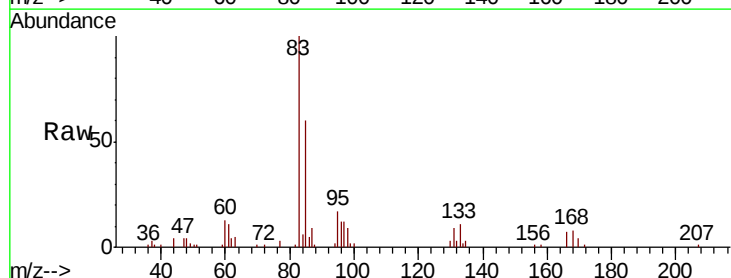
Tgt Ion: 83 Resp: 19914

Ion Ratio Lower Upper

83 100

85 59.7 44.5 82.7

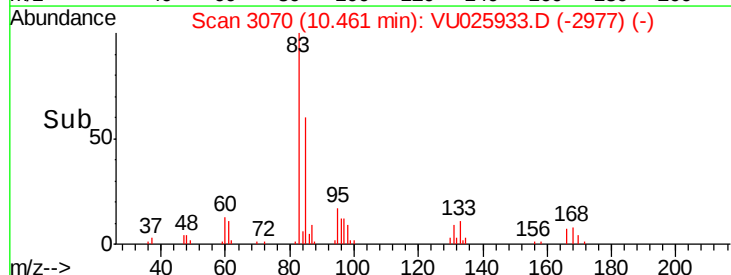
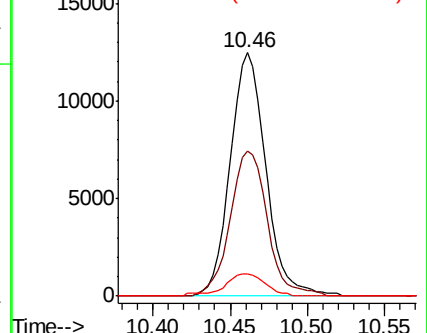
131 9.3 8.6 12.8

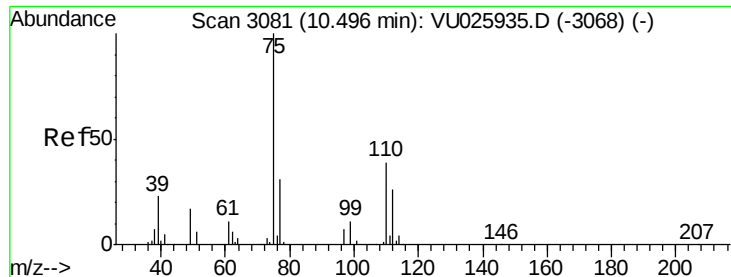


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

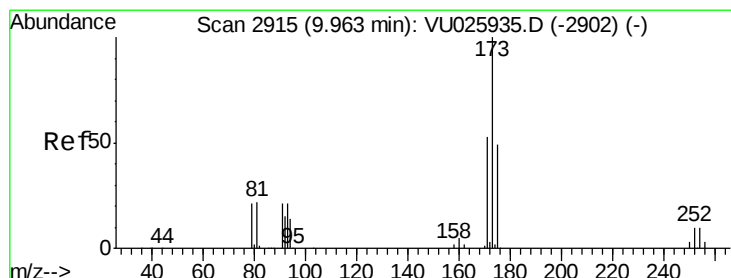
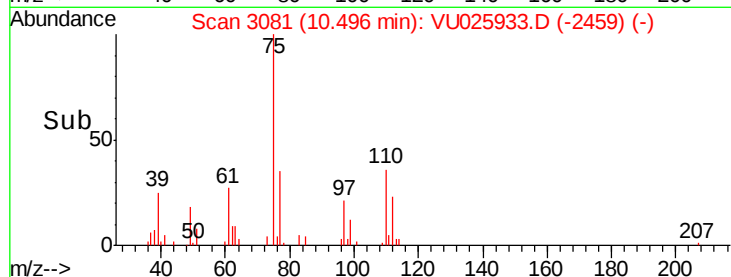
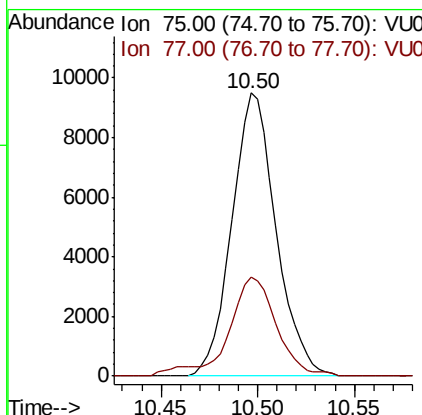
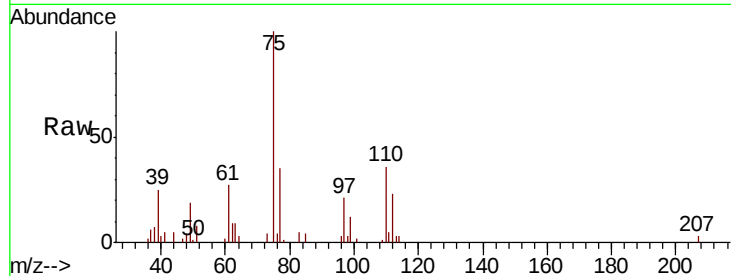




#59
 1,2,3-Trichloropropane
 Concen: 4.645 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

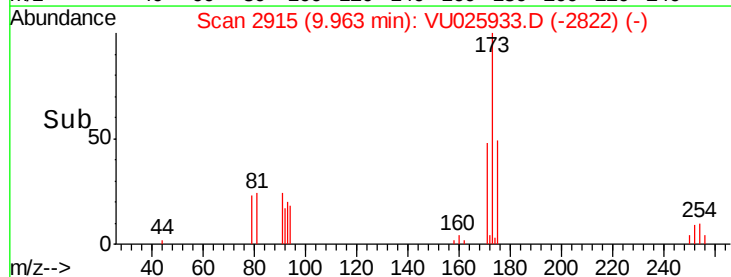
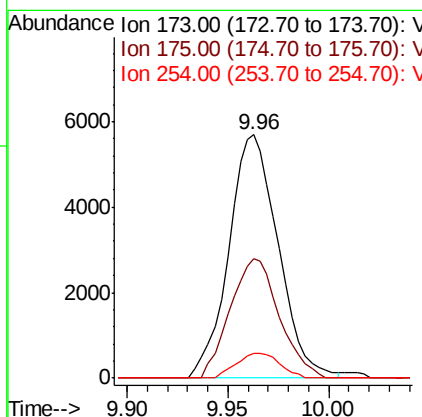
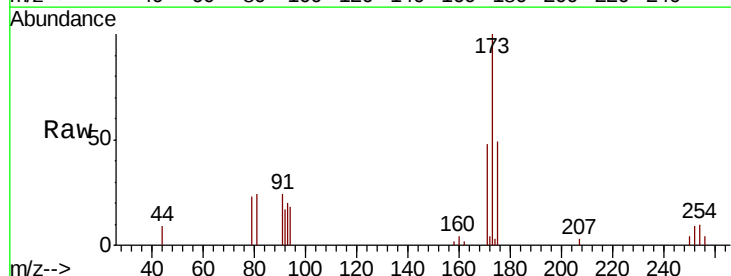
Instrument :
 MSVOA_U
 ClientSampled :

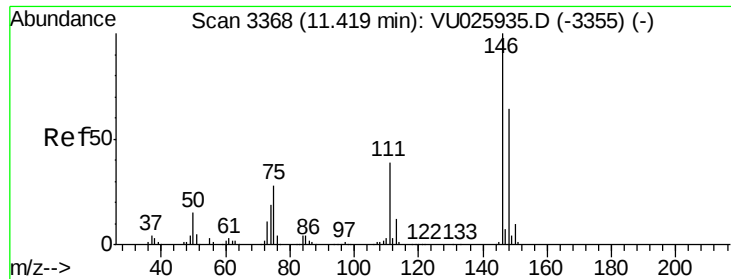
Tot Ion: 75 Resp: 15063
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3



#61
 Bromoform
 Concen: 4.465 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion: 173 Resp: 9752
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.8 58.2
 254 9.0 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.921 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampled :

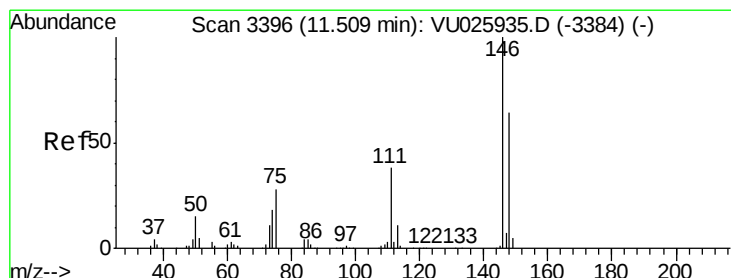
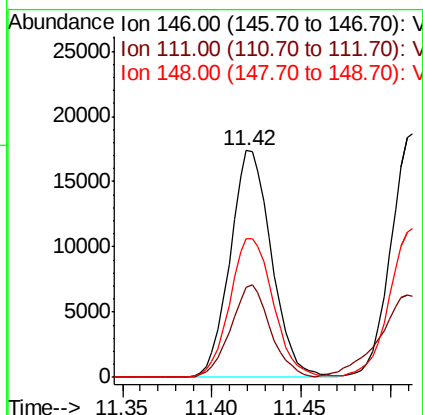
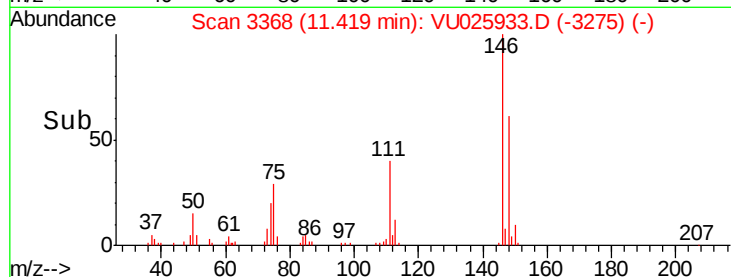
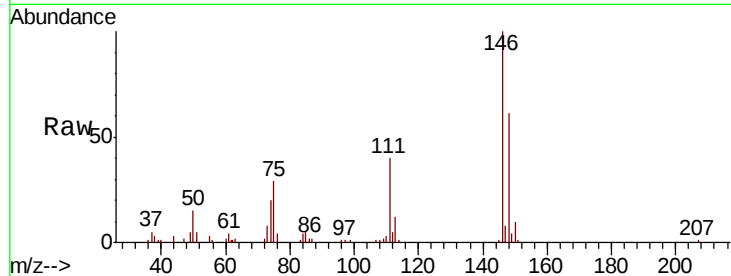
Tot Ion:146 Resp: 28158

Ion Ratio Lower Upper

146 100

111 39.7 27.5 51.1

148 61.0 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 5.076 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

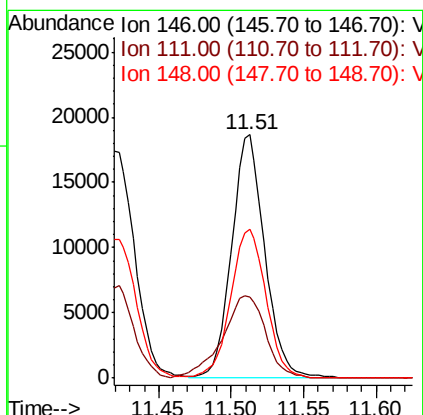
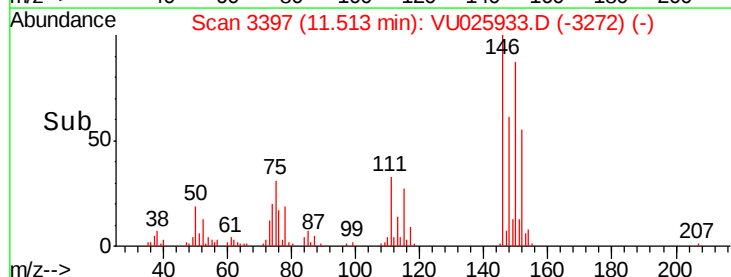
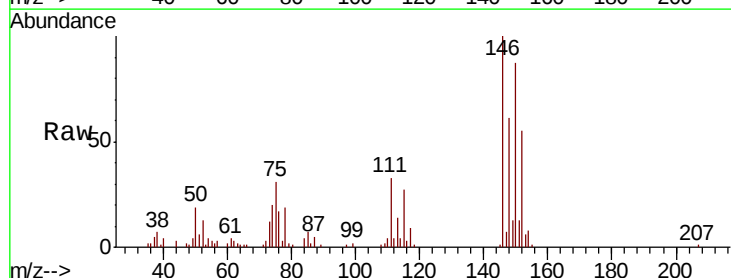
Tgt Ion:146 Resp: 29595

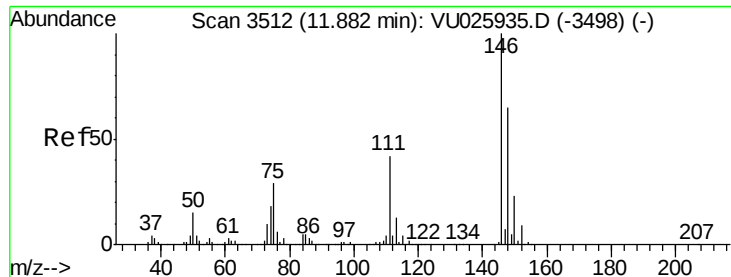
Ion Ratio Lower Upper

146 100

111 33.3 26.7 49.7

148 61.2 45.2 84.0

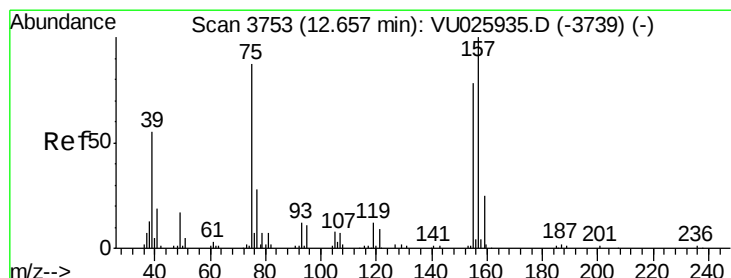
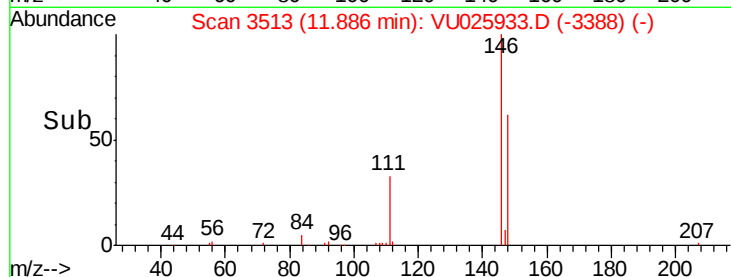
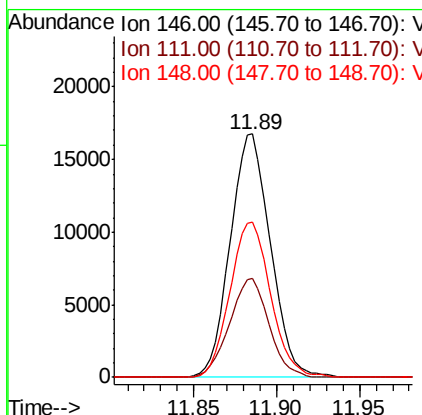
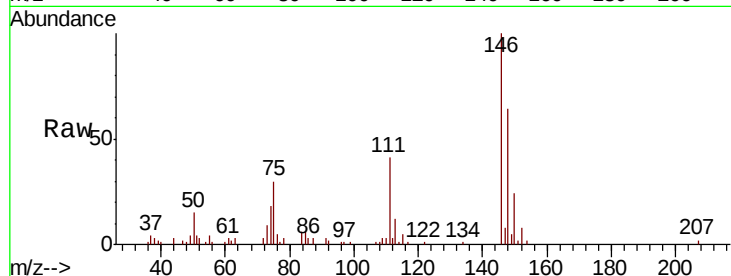




#65
 1,2-Dichlorobenzene
 Concen: 4.938 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

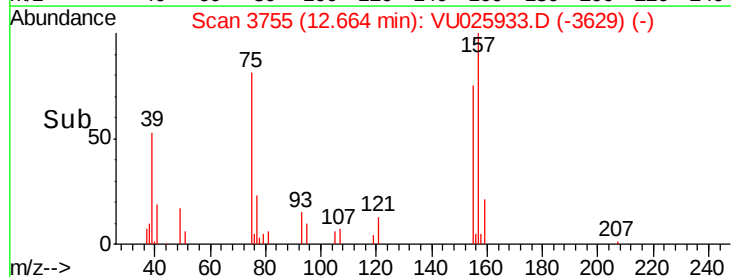
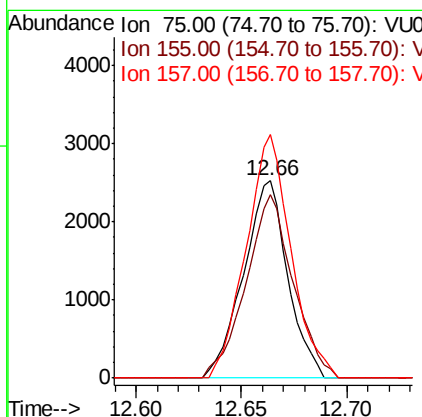
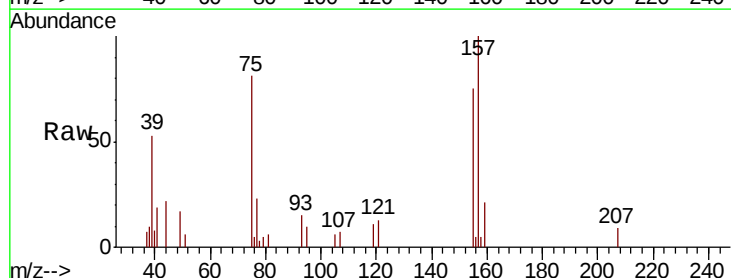
Instrument :
 MSVOA_U
 ClientSampleId :

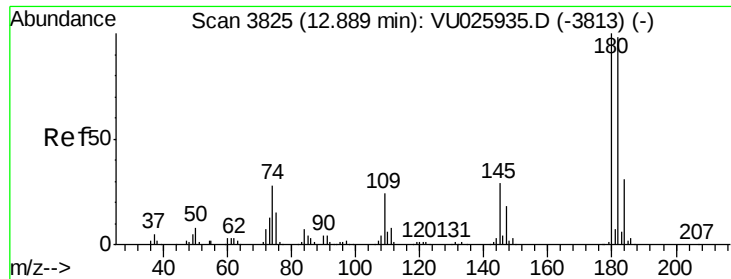
Tot Ion:146 Resp: 28333
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.4 50.0
 148 63.7 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.230 ug/L
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.01 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion: 75 Resp: 3688
 Ion Ratio Lower Upper
 75 100
 155 92.9 71.4 107.2
 157 123.3 92.0 138.0

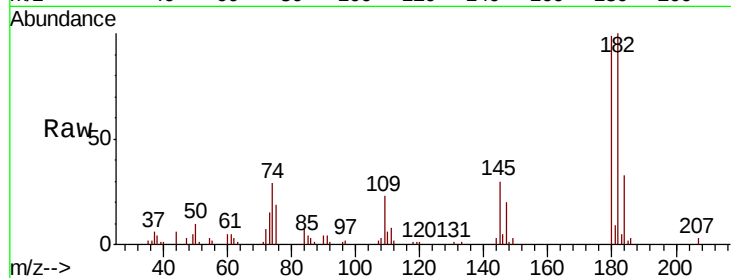




#67
 1,3,5-Trichlorobenzene
 Concen: 4.546 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.8	116.6
184	32.0	24.6	37.0
145	29.6	23.4	35.0



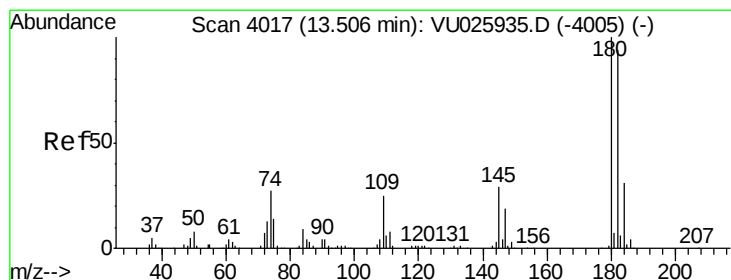
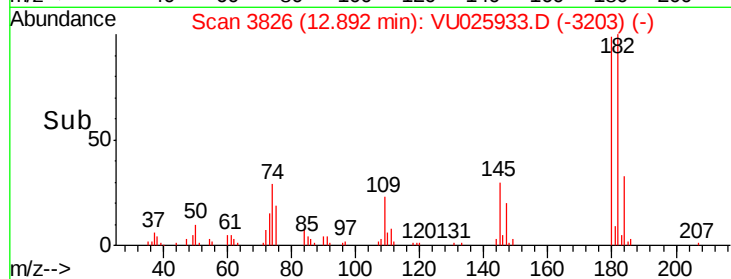
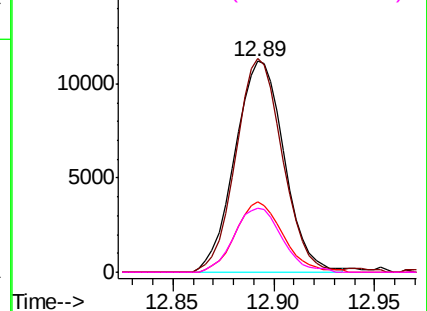
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

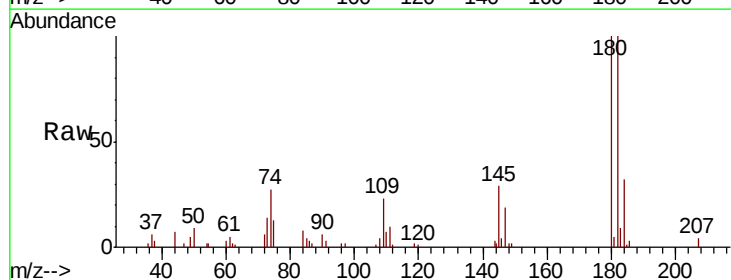
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.319 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025933.D
 Acq: 07 Aug 2018 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.1	75.3	112.9
145	28.5	23.1	34.7

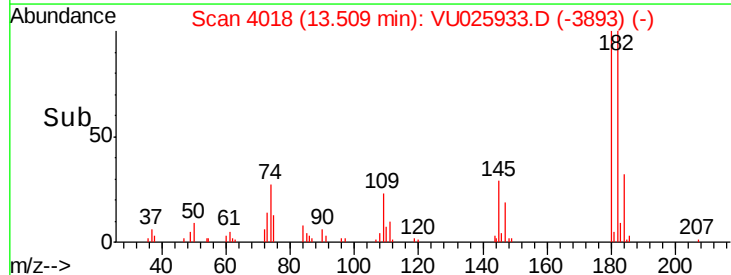
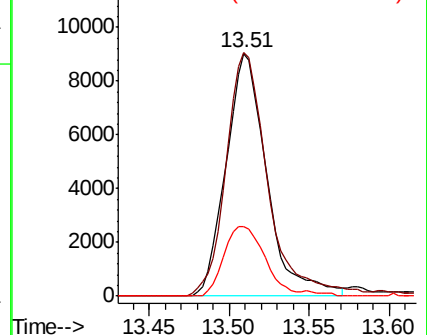


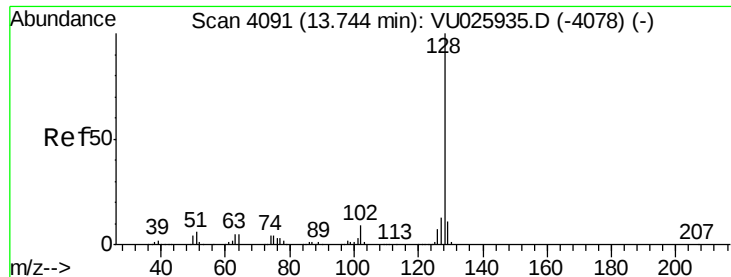
Abundance

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: 3.915 ug/L

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

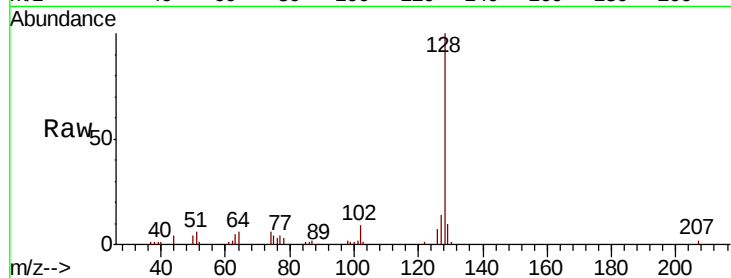
Tot Ion:128 Resp: 42102

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.8

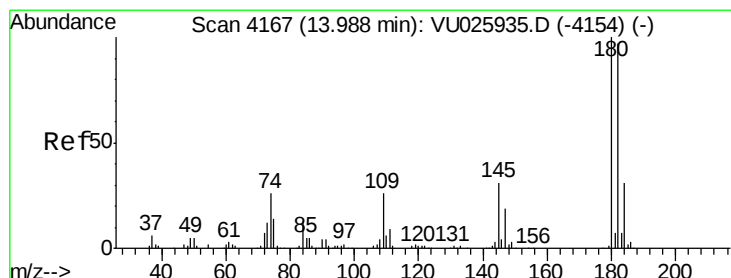
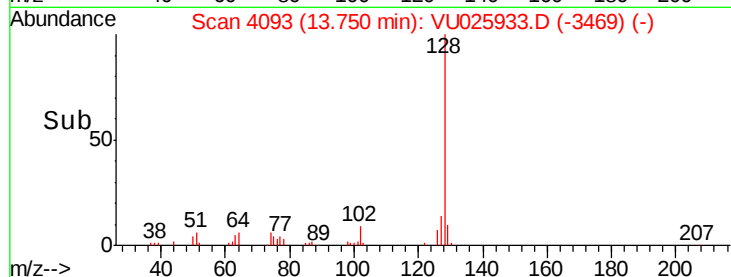
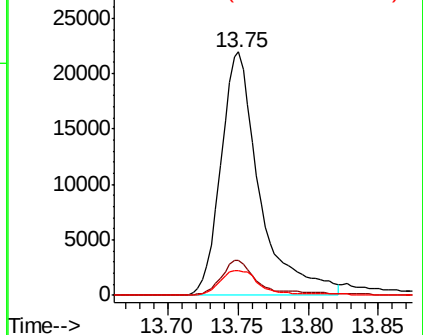
129 10.2 8.5 12.7



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: 4.589 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU025933.D

Acq: 07 Aug 2018 10:47

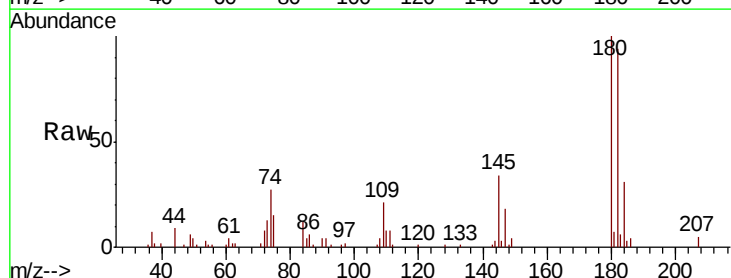
Tgt Ion:180 Resp: 17206

Ion Ratio Lower Upper

180 100

182 92.0 77.6 116.4

145 30.5 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

