

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028498.D
 Acq On : 06 Dec 2018 13:48
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:14:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	194374	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85100	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	4.88	113	62489	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.56	98	248461	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	10.31	95	92511	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	74287	48.870	ug/l 98
3) Chloromethane	1.33	50	134618	48.170	ug/l 99
4) Vinyl Chloride	1.40	62	99104	49.139	ug/l 99
5) Bromomethane	1.61	94	36537	44.973	ug/l 98
6) Chloroethane	1.69	64	56381	49.380	ug/l 100
7) Trichlorofluoromethane	1.88	101	103429	48.744	ug/l 99
8) Diethyl Ether	2.10	74	46567	46.907	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	63920	50.368	ug/l 99
10) Methyl Iodide	2.41	142	61274	61.535	ug/l 99
11) Tert butyl alcohol	2.82	59	103582	268.631	ug/l 99
12) 1,1-Dichloroethene	2.28	96	61729	48.887	ug/l 95
13) Acrolein	2.19	56	78211	254.435	ug/l 100
14) Allyl chloride	2.59	41	136056	45.548	ug/l 97
15) Acrylonitrile	2.93	53	263306	245.960	ug/l 99
16) Acetone	2.32	43	259568	229.837	ug/l 99
17) Carbon Disulfide	2.48	76	215975	47.479	ug/l 100
18) Methyl Acetate	2.61	43	145647	49.750	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	230104	48.072	ug/l 100
20) Methylene Chloride	2.70	84	75687	45.462	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	68225	47.989	ug/l 98
22) Diisopropyl ether	3.57	45	280422	48.275	ug/l 99
23) Vinyl Acetate	3.52	43	1179908	246.256	ug/l 99
24) 1,1-Dichloroethane	3.44	63	143535	47.205	ug/l 99
25) 2-Butanone	4.26	43	383810	248.681	ug/l 98
26) 2,2-Dichloropropane	4.22	77	115174	47.804	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	78923	49.047	ug/l 97
28) Bromochloromethane	4.55	49	67678	48.960	ug/l 98
29) Tetrahydrofuran	4.63	42	245604	247.780	ug/l 99
30) Chloroform	4.67	83	128344	48.429	ug/l 94
31) Cyclohexane	4.99	56	141884	47.763	ug/l 99
32) 1,1,1-Trichloroethane	4.91	97	106581	48.423	ug/l 99
36) 1,1-Dichloropropene	5.13	75	101566	47.751	ug/l 98
37) Ethyl Acetate	4.38	43	136589	49.676	ug/l 99
38) Carbon Tetrachloride	5.13	117	84769	49.446	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	128928	49.685	ug/l	98
40) Benzene	5.39	78	308566	49.256	ug/l	98
41) Methacrylonitrile	4.54	41	77244	51.298	ug/l	98
42) 1,2-Dichloroethane	5.40	62	107687	49.109	ug/l	99
43) Isopropyl Acetate	5.55	43	217703	50.058	ug/l	100
44) Trichloroethene	6.18	130	69362	49.797	ug/l	95
45) 1,2-Dichloropropane	6.43	63	88072	49.995	ug/l	99
46) Dibromomethane	6.56	93	51425	49.200	ug/l	98
47) Bromodichloromethane	6.76	83	99526	48.932	ug/l	99
48) Methyl methacrylate	6.62	41	109807	50.771	ug/l	99
49) 1,4-Dioxane	6.61	88	39044	1143.321	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	684635	249.595	ug/l	99
52) Toluene	7.63	92	181662	49.274	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	121906	50.325	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	129948	49.445	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	72587	49.807	ug/l	95
56) Ethyl methacrylate	8.02	69	127810	51.213	ug/l	99
57) 1,3-Dichloropropane	8.24	76	132432	48.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	328796	257.217	ug/l	100
59) 2-Hexanone	8.36	43	543574	250.022	ug/l	99
60) Dibromochloromethane	8.48	129	71006	49.764	ug/l	99
61) 1,2-Dibromoethane	8.58	107	78126	51.120	ug/l	100
64) Tetrachloroethene	8.22	164	59613	48.997	ug/l	96
65) Chlorobenzene	9.12	112	190969	49.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64566	52.020	ug/l	98
67) Ethyl Benzene	9.25	91	354232	49.577	ug/l	100
68) m/p-Xylenes	9.37	106	262149	100.829	ug/l	100
69) o-Xylene	9.78	106	126315	49.994	ug/l	100
70) Styrene	9.79	104	209410	50.082	ug/l	99
71) Bromoform	9.96	173	54512	51.628	ug/l #	99
73) Isopropylbenzene	10.16	105	334978	49.567	ug/l	100
74) N-amyl acetate	10.01	43	193983	49.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	131203	50.539	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	158347	70.410	ug/l	83
77) Bromobenzene	10.45	156	79022	49.997	ug/l	99
78) n-propylbenzene	10.58	91	422800	50.348	ug/l	99
79) 2-Chlorotoluene	10.66	91	243596	50.359	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	282641	50.525	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	158347	171.825	ug/l #	100
82) 4-Chlorotoluene	10.77	91	282253	49.241	ug/l	100
83) tert-Butylbenzene	11.10	119	271869	50.421	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	292378	50.714	ug/l	100
85) sec-Butylbenzene	11.32	105	346759	50.060	ug/l	100
86) p-Isopropyltoluene	11.47	119	292927	49.782	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	147708	49.492	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	147239	47.684	ug/l	99
89) n-Butylbenzene	11.89	91	294498	49.453	ug/l	100
90) Hexachloroethane	12.14	117	43949	49.415	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	144990	48.568	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29190	51.935	ug/l	98

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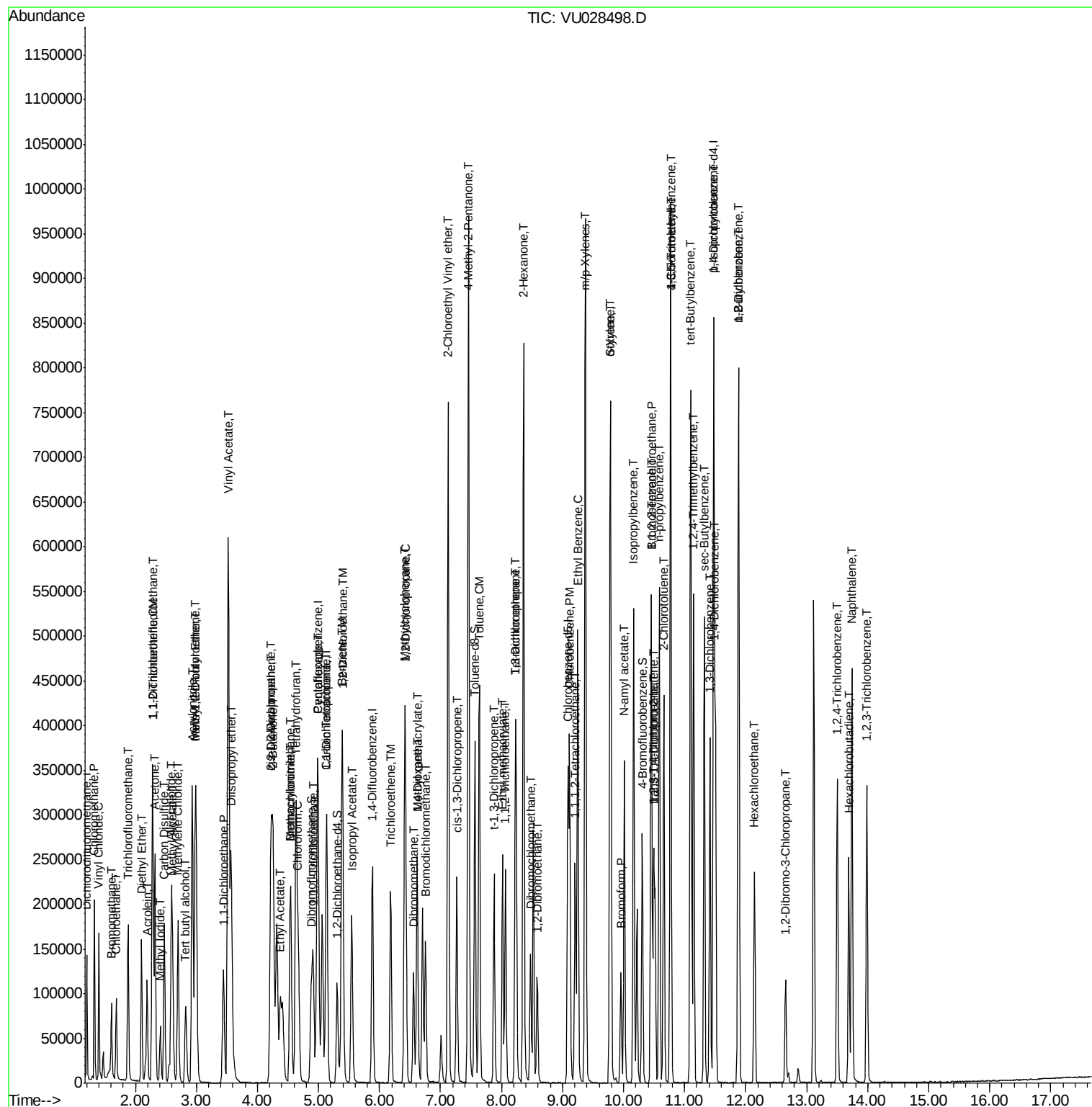
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	102571	50.001	ug/l	100
94) Hexachlorobutadiene	13.69	225	46484	47.535	ug/l	97
95) Naphthalene	13.74	128	352368	49.189	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	103126	50.509	ug/l	99

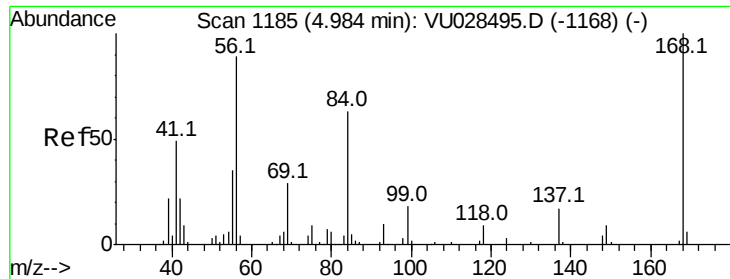
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

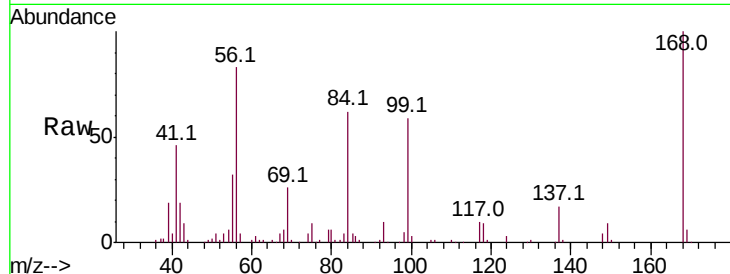
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 113409

Ion Ratio Lower Upper

168 100

99 58.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

30000

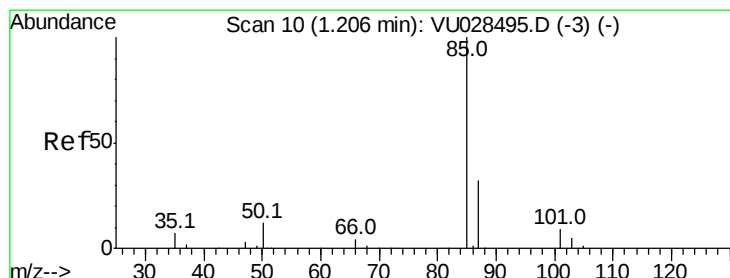
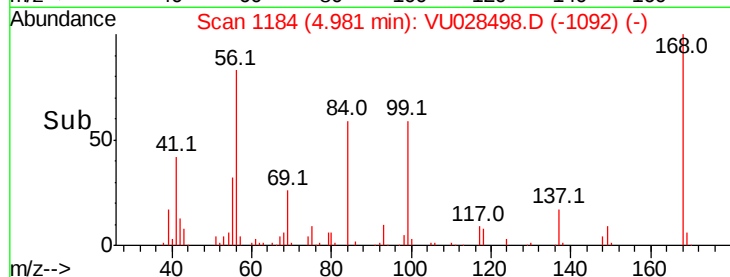
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.870 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028498.D

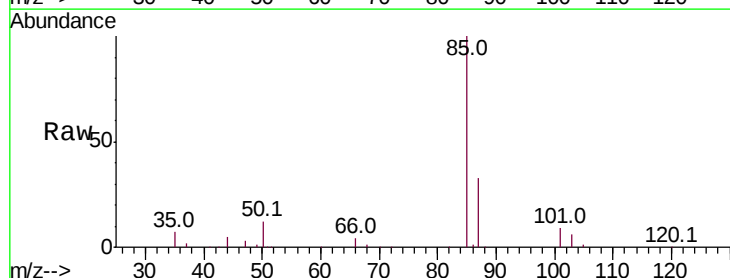
Acq: 06 Dec 2018 13:48

Tgt Ion: 85 Resp: 74287

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

80000

60000

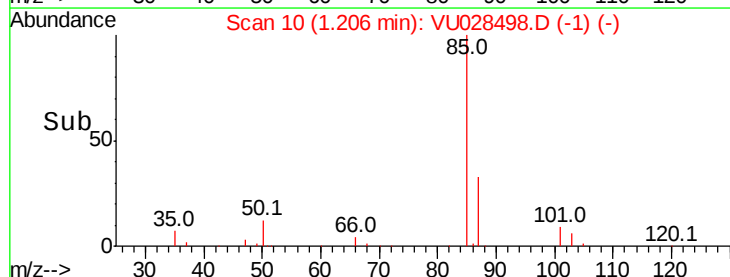
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.170 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

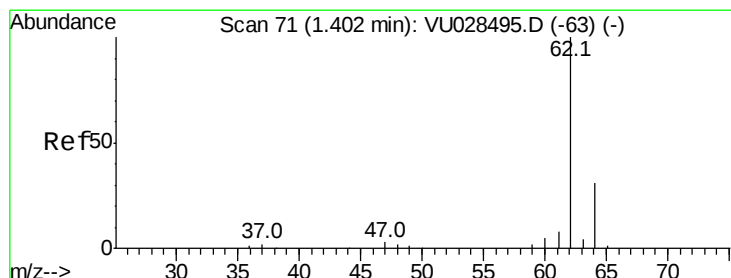
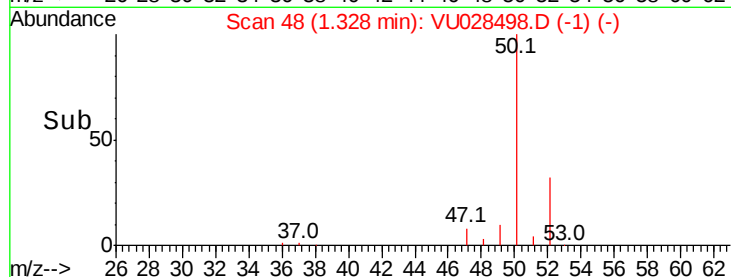
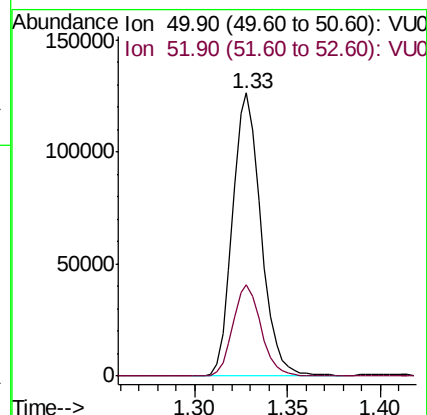
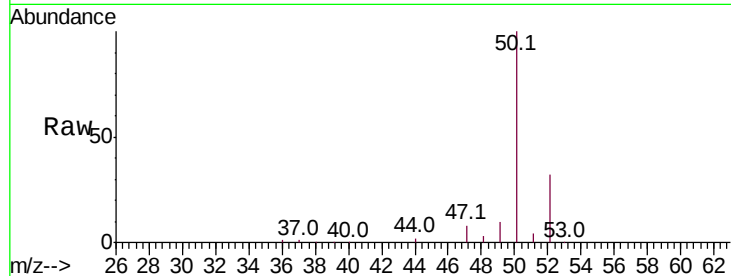
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 134618

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



#4

Vinyl Chloride

Concen: 49.139 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028498.D

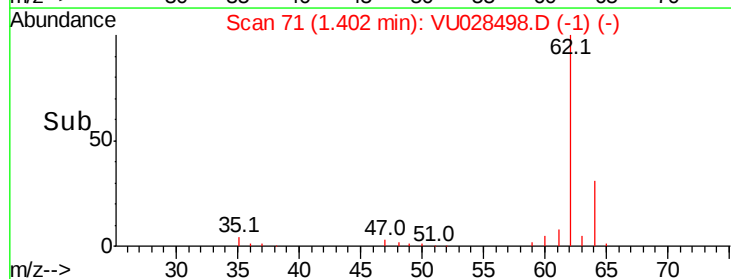
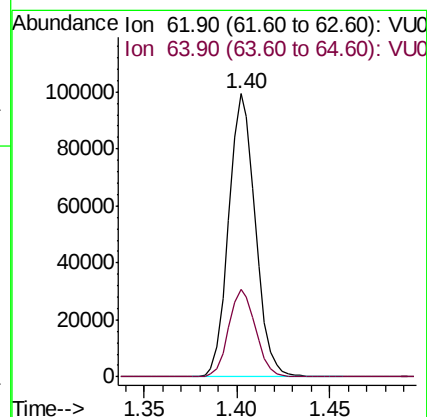
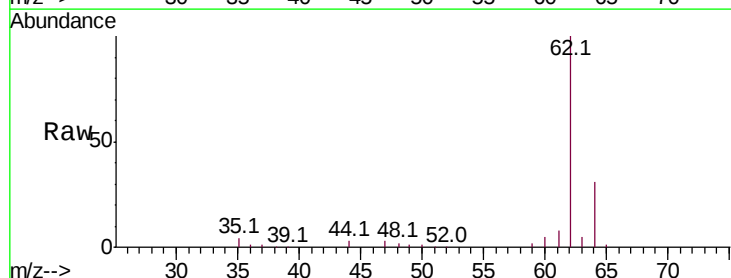
Acq: 06 Dec 2018 13:48

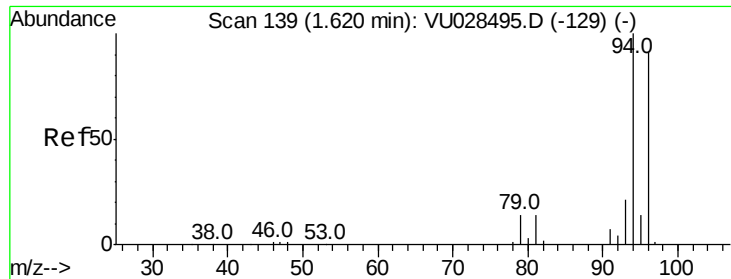
Tgt Ion: 62 Resp: 99104

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 44.973 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

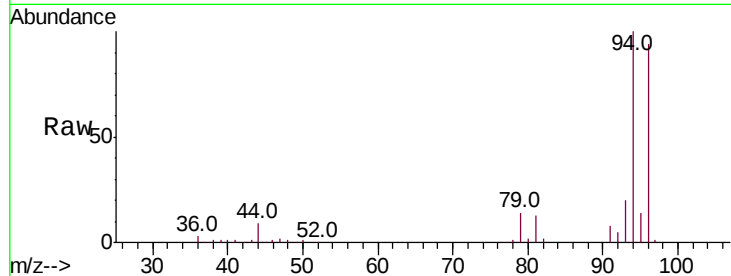
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 36537

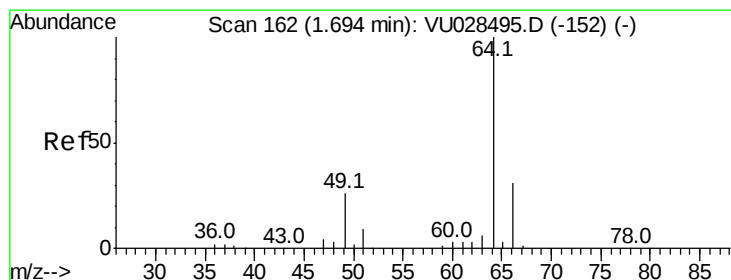
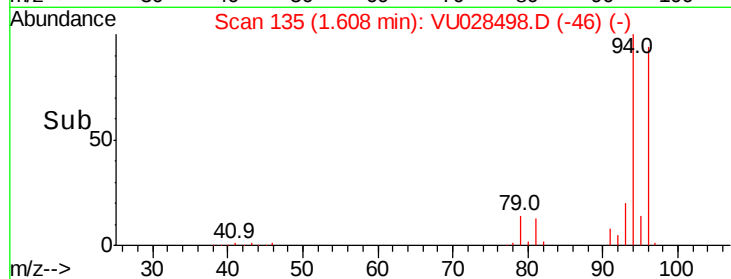
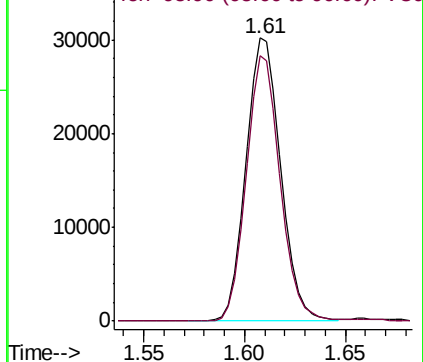
Ion Ratio Lower Upper

94 100

96 93.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 49.380 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028498.D

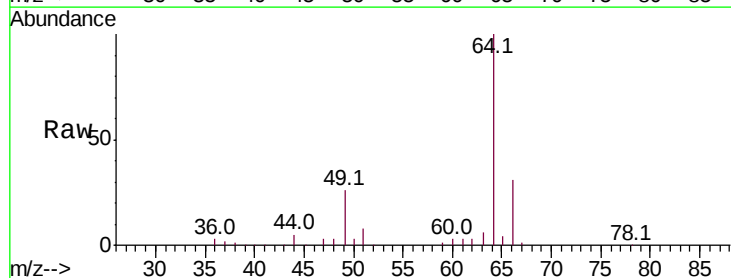
Acq: 06 Dec 2018 13:48

Tgt Ion: 64 Resp: 56381

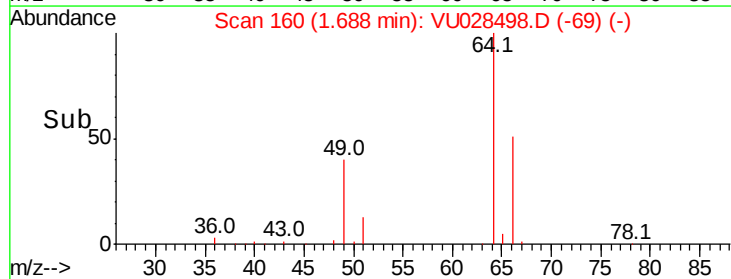
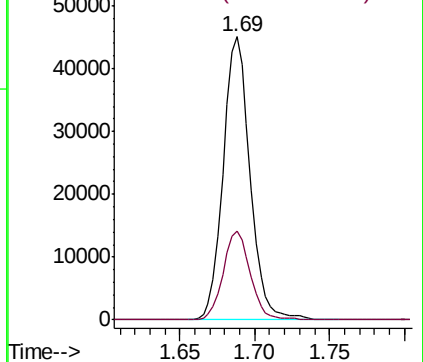
Ion Ratio Lower Upper

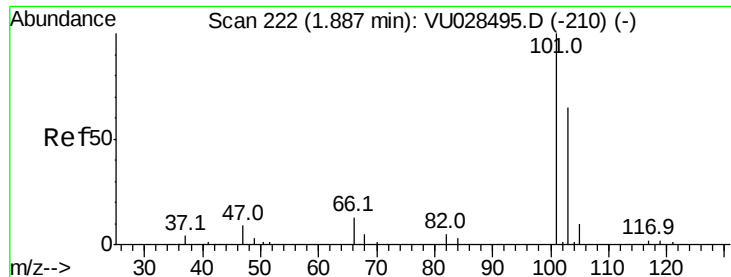
64 100

66 31.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



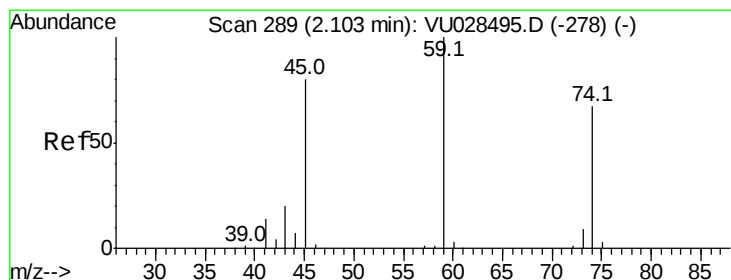
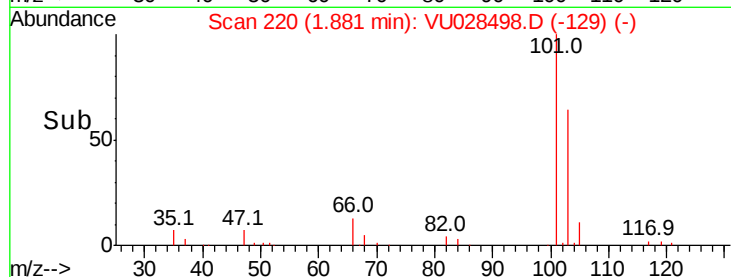
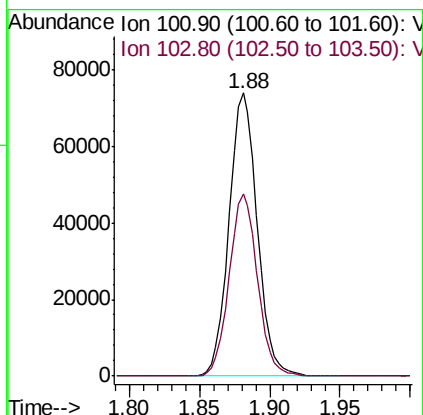
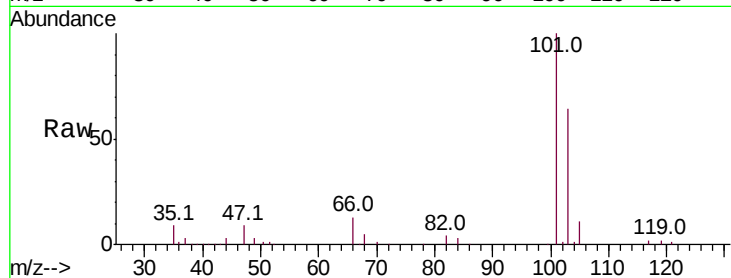


#7

Trichlorofluoromethane
 Concen: 48.744 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

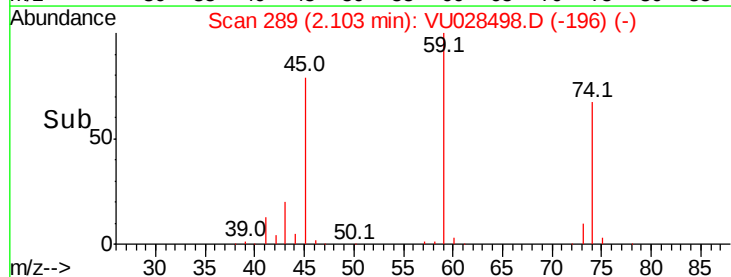
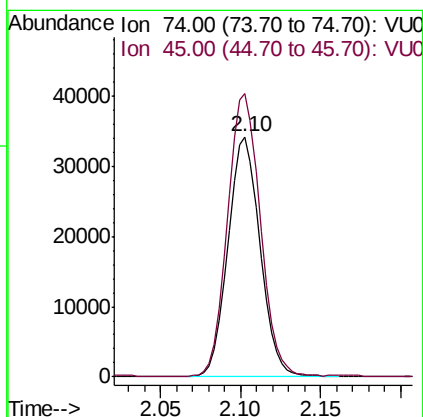
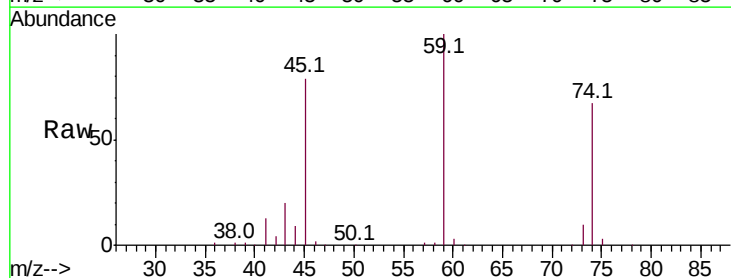
Tot Ion:101 Resp: 103429
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.3 78.5



#8

Diethyl Ether
 Concen: 46.907 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 74 Resp: 46567
 Ion Ratio Lower Upper
 74 100
 45 121.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.368 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

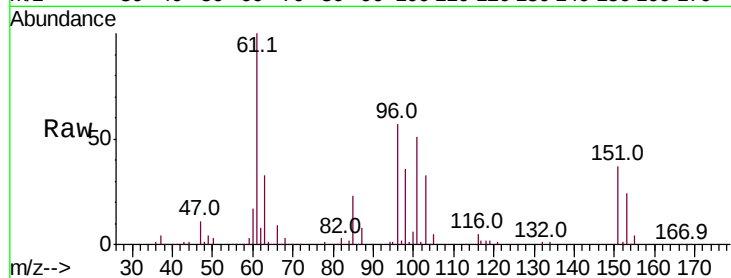
Tot Ion:101 Resp: 63920

Ion Ratio Lower Upper

101 100

85 44.5 36.4 54.6

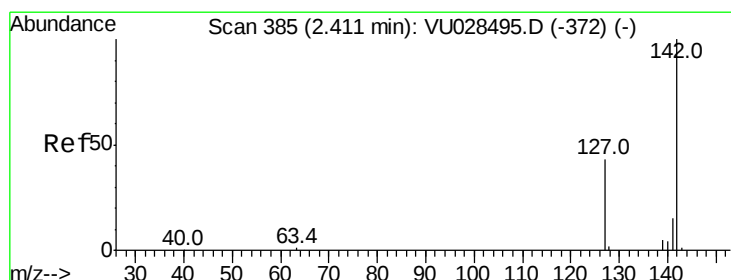
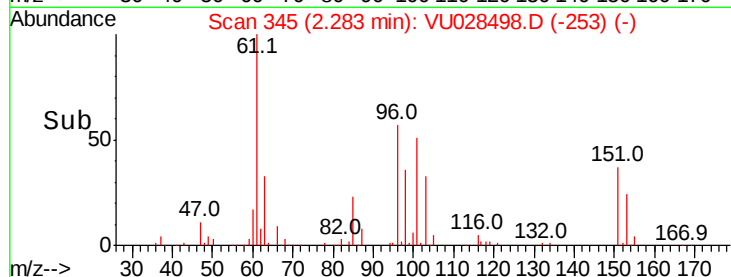
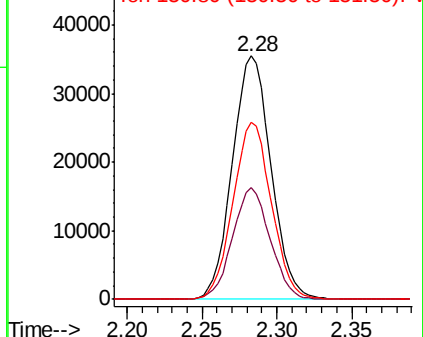
151 72.3 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.535 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

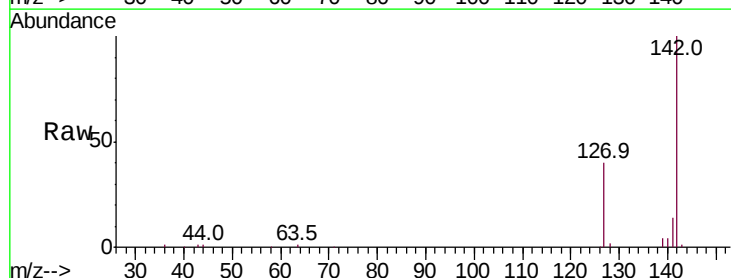
Tgt Ion:142 Resp: 61274

Ion Ratio Lower Upper

142 100

127 41.2 33.5 50.3

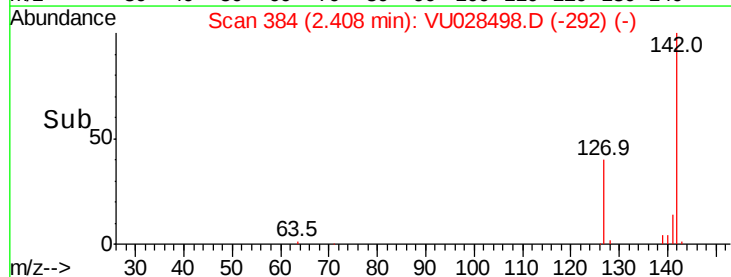
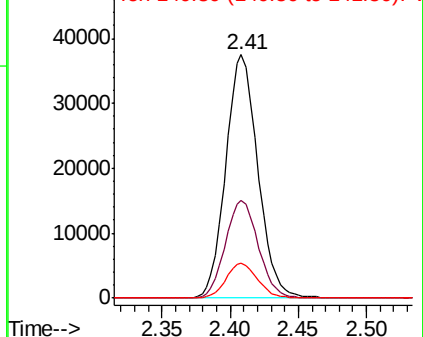
141 14.1 11.2 16.8

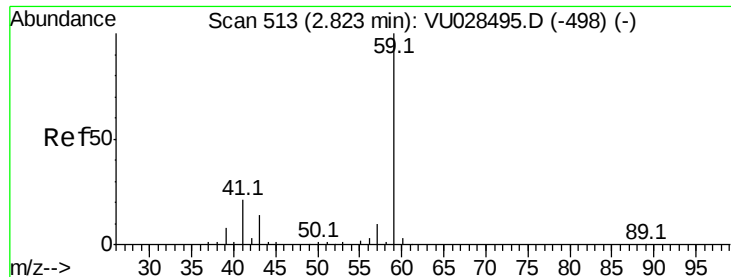


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



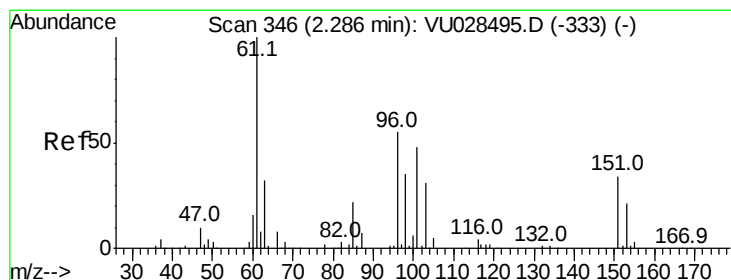
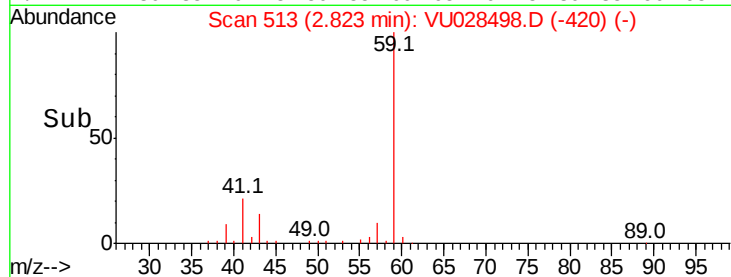
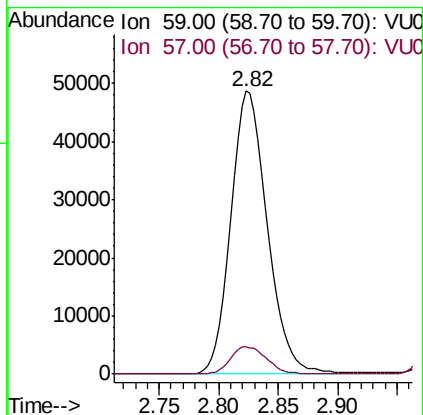
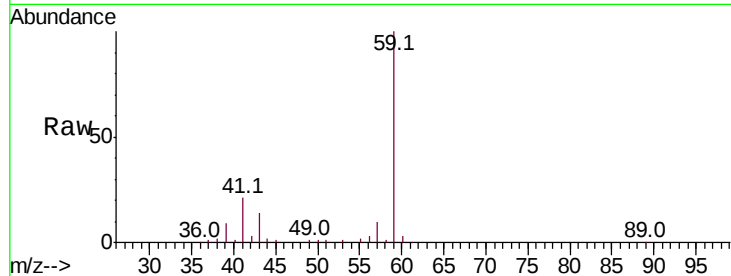


#11

Tert butyl alcohol
 Concen: 268.631 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Instrument :
 MSVOA_U
 ClientSampled :

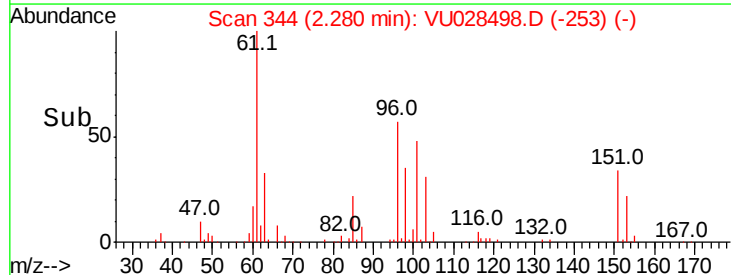
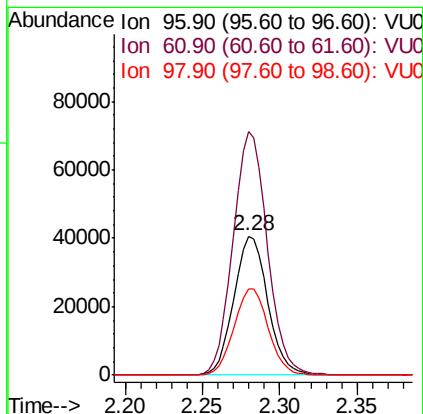
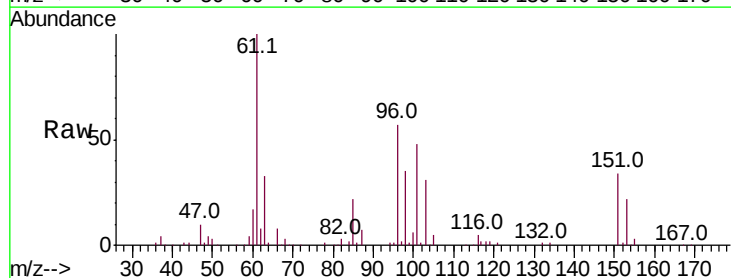
Tot Ion: 59 Resp: 103582
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

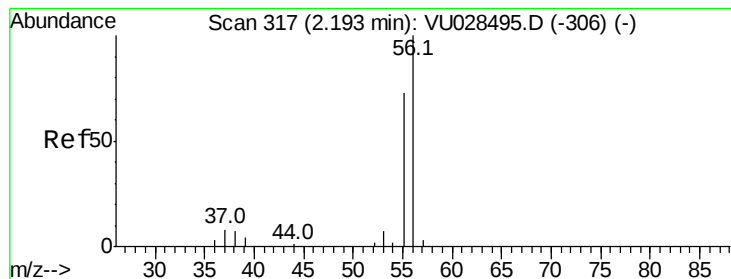


#12

1,1-Dichloroethene
 Concen: 48.887 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 96 Resp: 61729
 Ion Ratio Lower Upper
 96 100
 61 175.4 146.4 219.6
 98 62.1 51.8 77.8





#13

Acrolein

Concen: 254.435 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

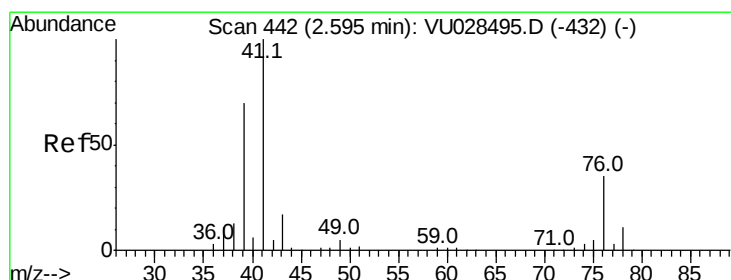
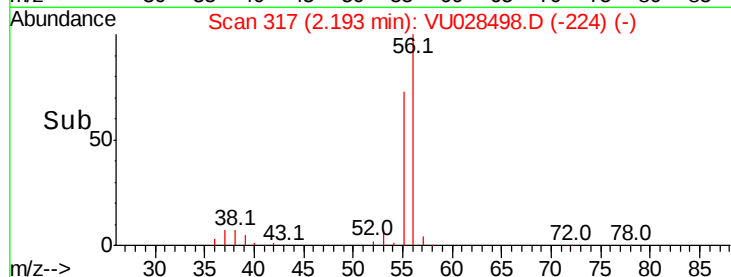
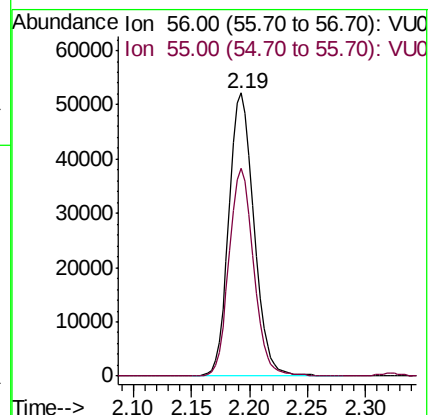
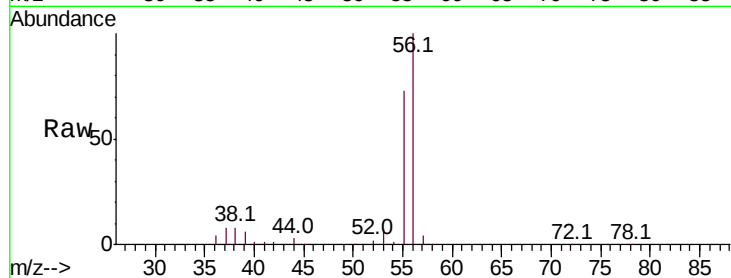
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 78211

Ion Ratio Lower Upper

56 100

55 71.7 57.5 86.3



#14

Allyl chloride

Concen: 45.548 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

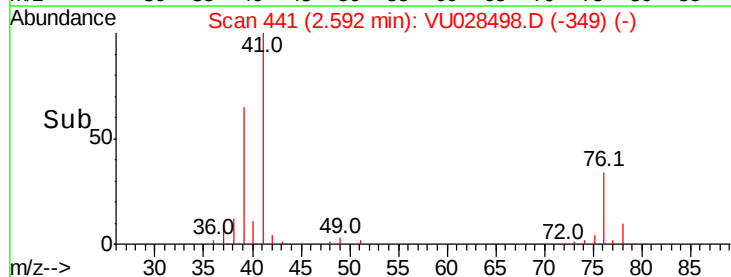
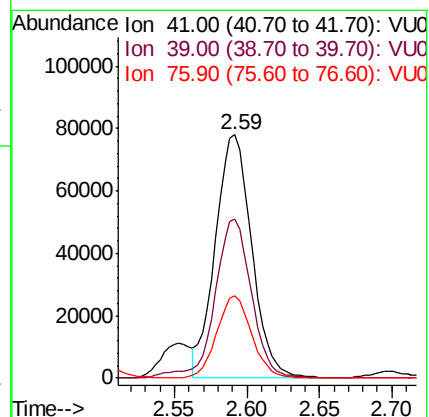
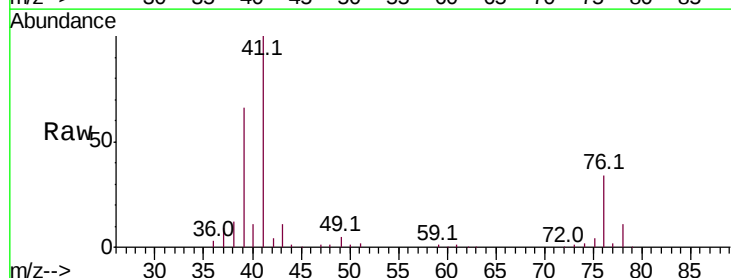
Tgt Ion: 41 Resp: 136056

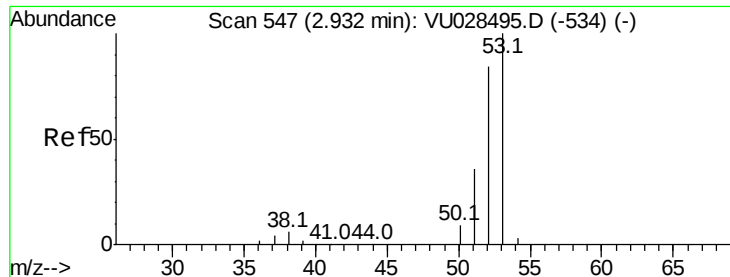
Ion Ratio Lower Upper

41 100

39 65.6 50.8 76.2

76 32.3 24.8 37.2





#15

Acrylonitrile

Concen: 245.960 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampled :

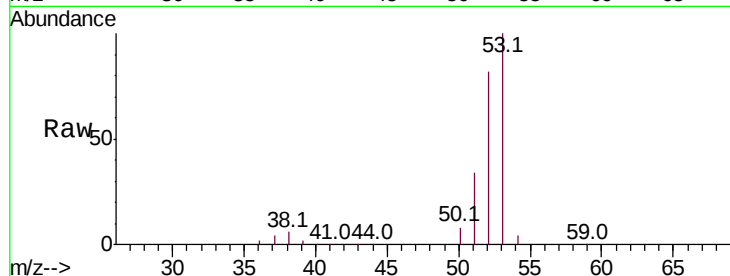
Tot Ion: 53 Resp: 263306

Ion Ratio Lower Upper

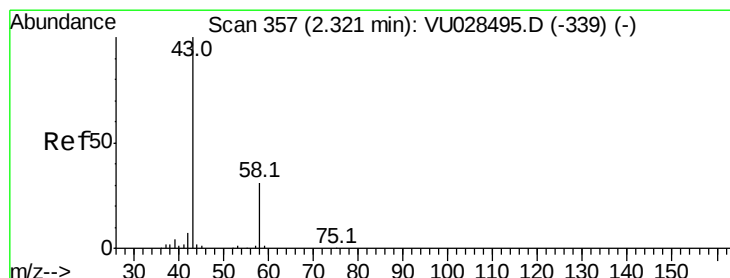
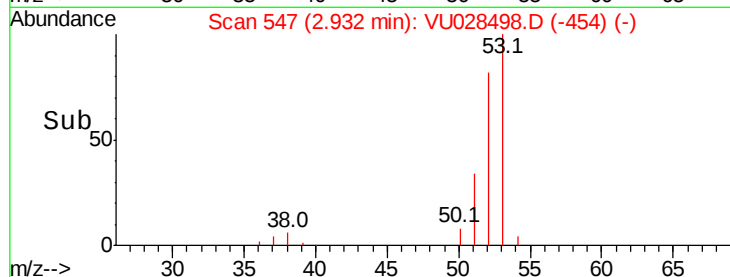
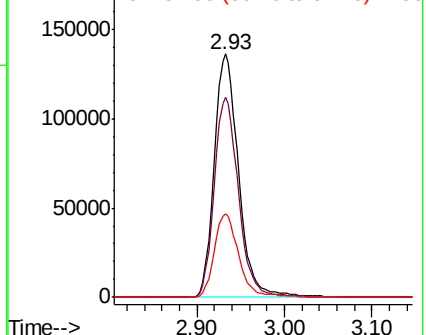
53 100

52 81.8 66.1 99.1

51 34.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 229.837 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028498.D

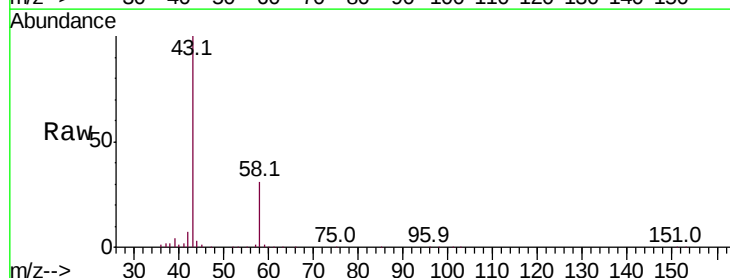
Acq: 06 Dec 2018 13:48

Tgt Ion: 43 Resp: 259568

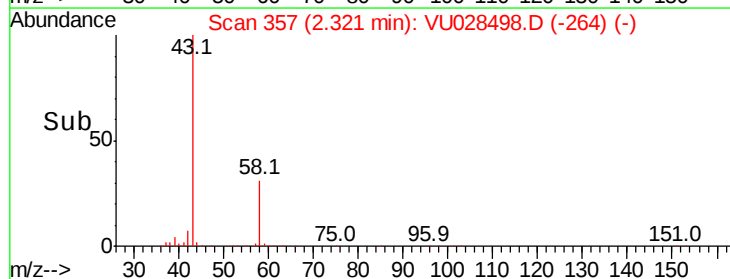
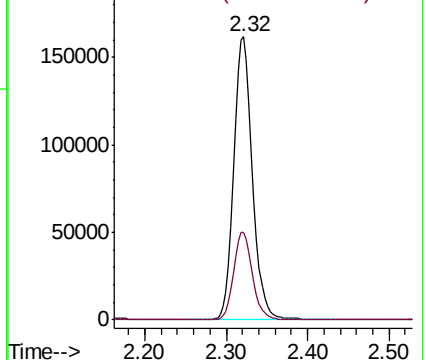
Ion Ratio Lower Upper

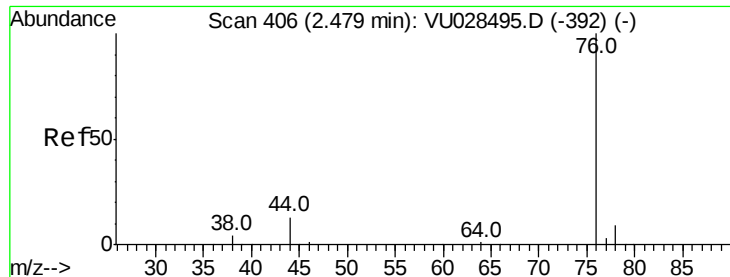
43 100

58 31.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

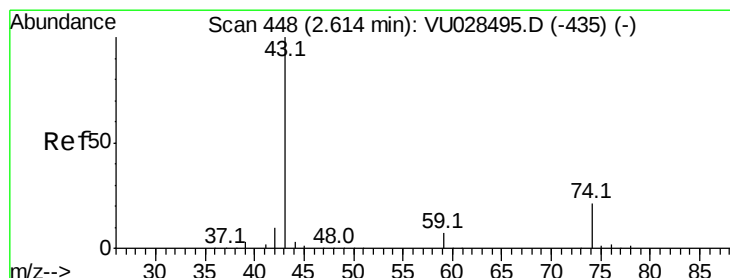
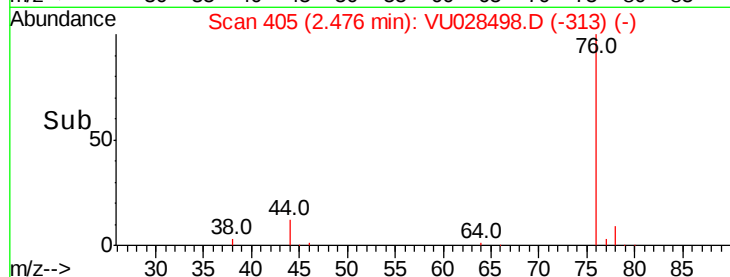
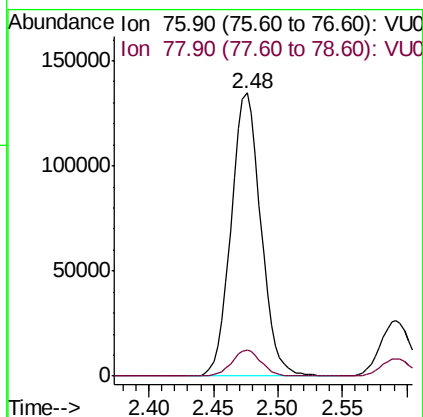
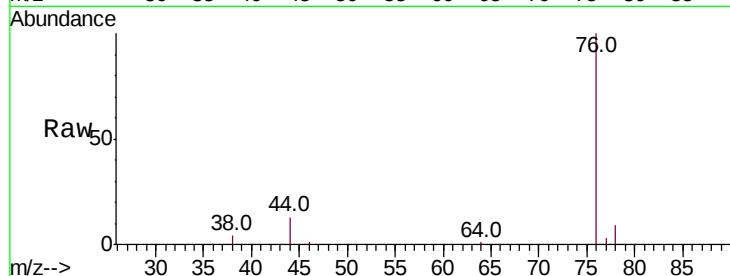




#17
Carbon Disulfide
Concen: 47.479 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

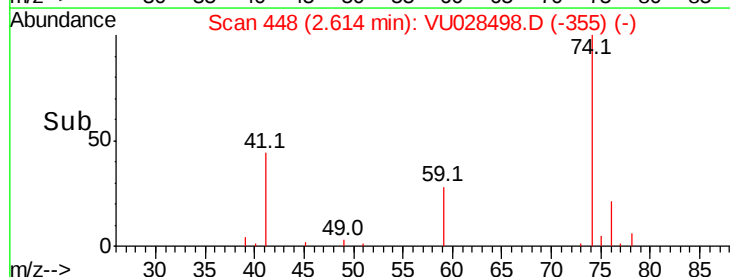
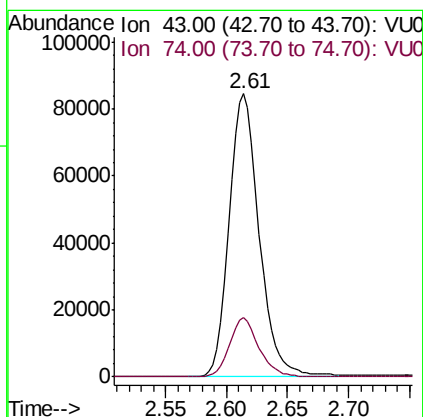
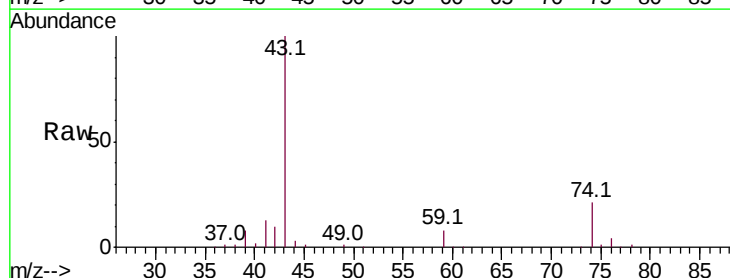
Instrument :
MSVOA_U
ClientSampleId :

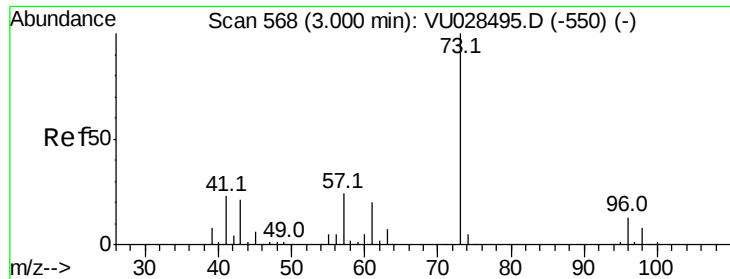
Tot Ion: 76 Resp: 215975
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 49.750 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 43 Resp: 145647
Ion Ratio Lower Upper
43 100
74 20.4 16.4 24.6

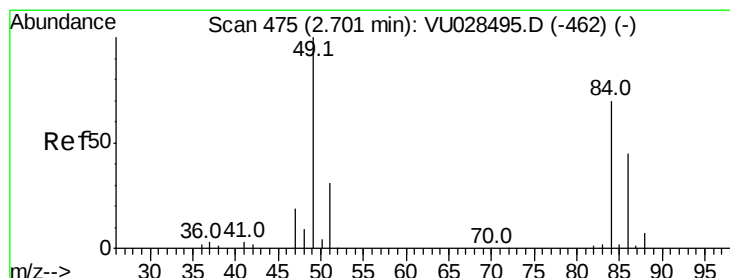
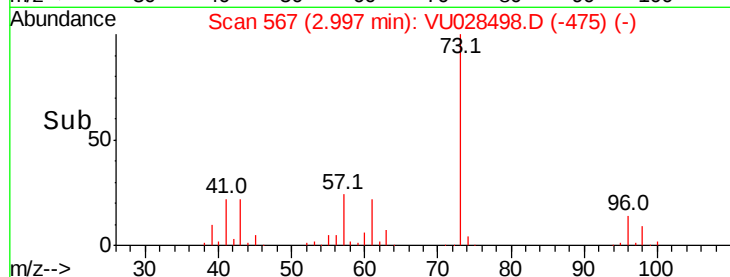
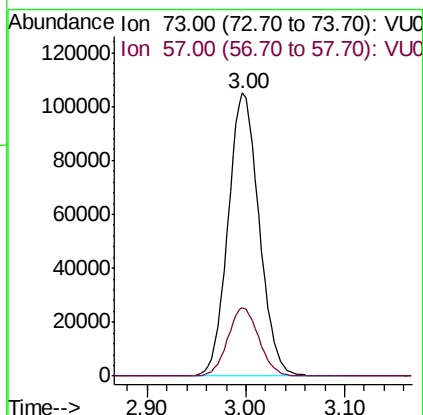
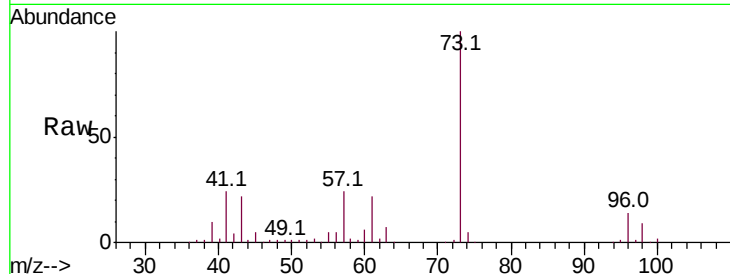




#19
Methvl tert-butvl Ether
Concen: 48.072 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

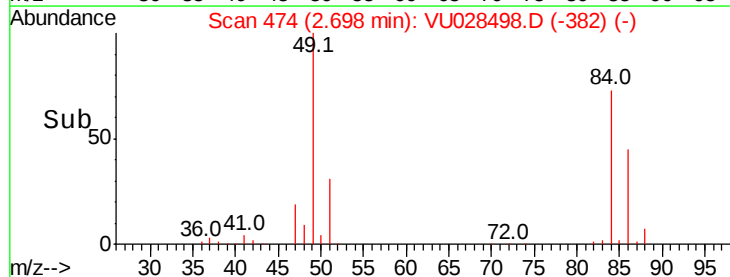
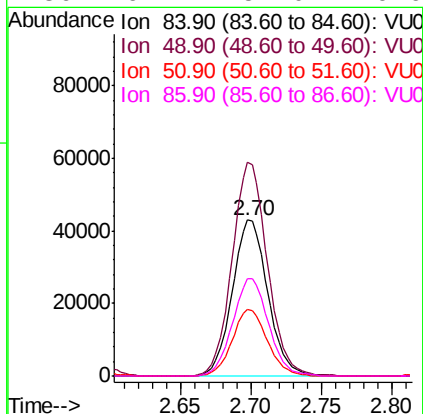
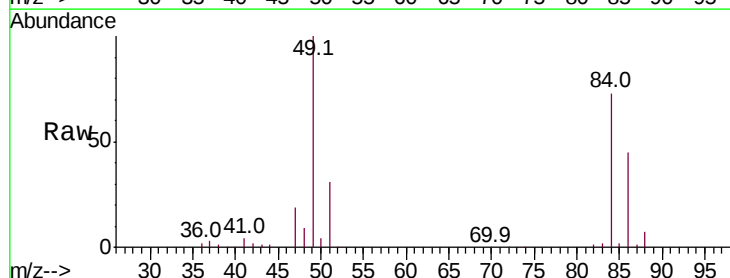
Instrument :
MSVOA_U
ClientSampled :

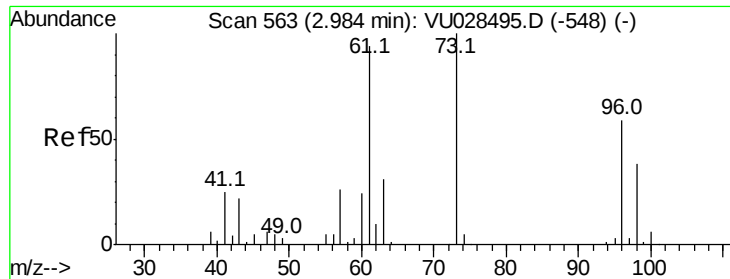
Tot Ion: 73 Resp: 230104
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.2



#20
Methylene Chloride
Concen: 45.462 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 84 Resp: 75687
Ion Ratio Lower Upper
84 100
49 137.0 114.0 171.0
51 42.7 35.1 52.7
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.989 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampleId :

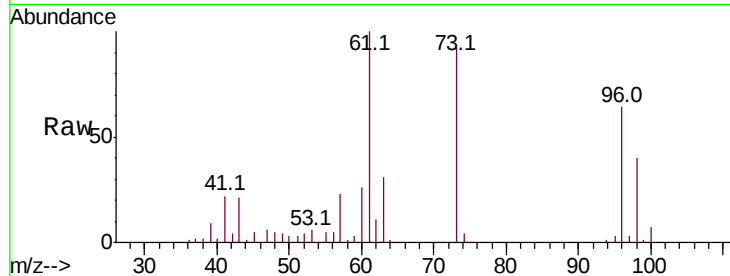
Tot Ion: 96 Resp: 68225

Ion Ratio Lower Upper

96 100

61 156.8 127.0 190.4

98 63.2 51.9 77.9

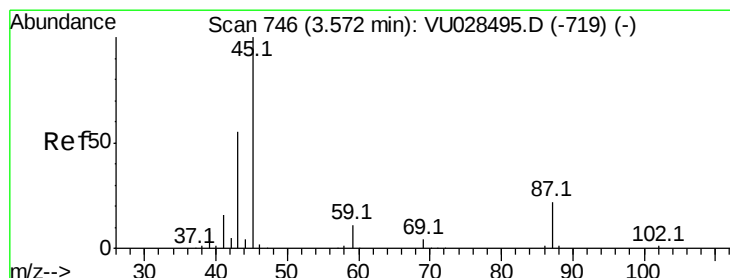
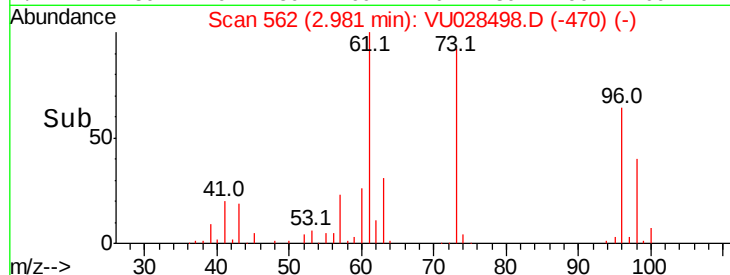
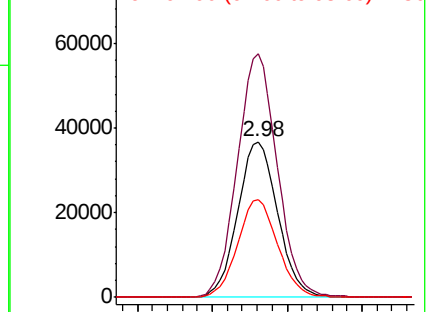


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.275 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Tgt Ion: 45 Resp: 280422

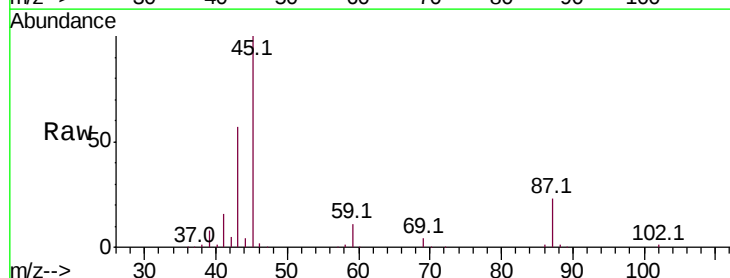
Ion Ratio Lower Upper

45 100

43 56.0 45.3 67.9

87 22.7 17.6 26.4

59 10.8 8.8 13.2



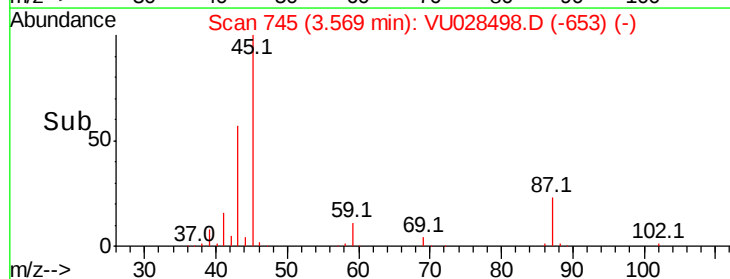
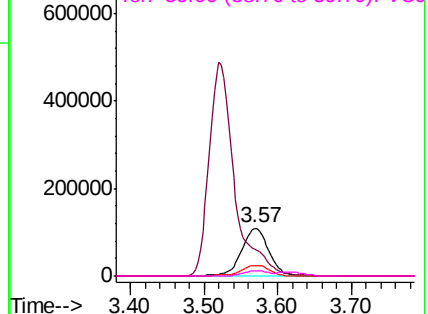
Abundance

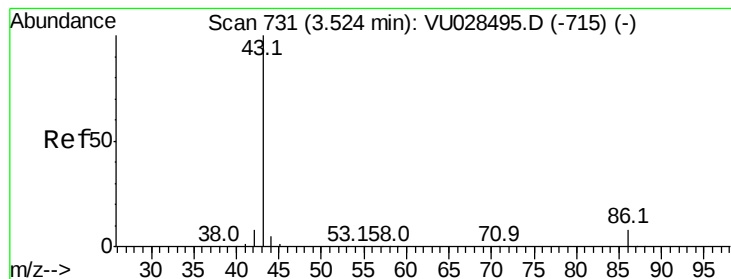
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 246.256 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

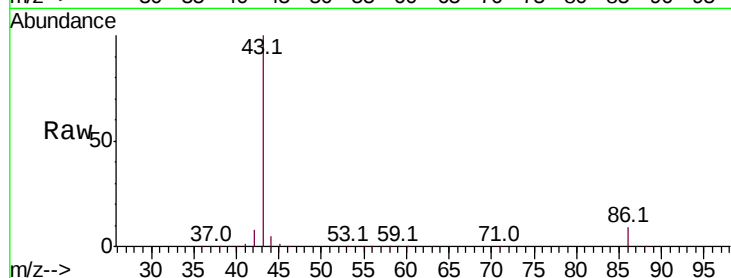
ClientSampled :

Tot Ion: 43 Resp: 1179908

Ion Ratio Lower Upper

43 100

86 8.8 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

500000

400000

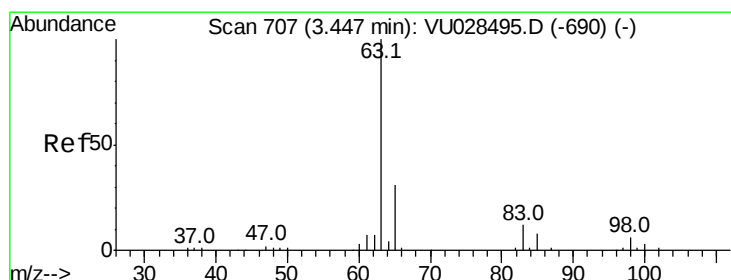
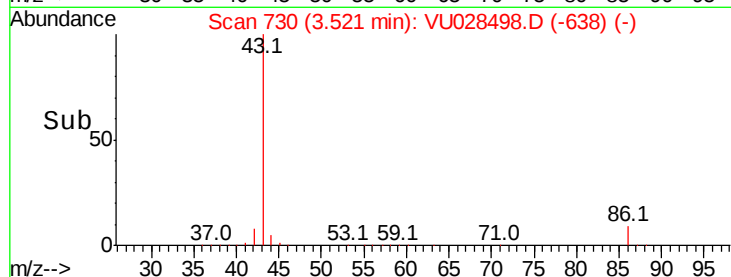
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.205 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

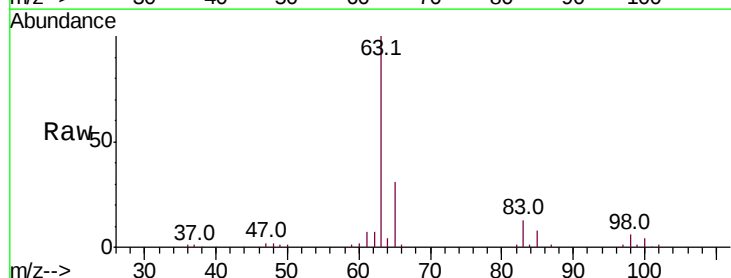
Tgt Ion: 63 Resp: 143535

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.8 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

80000

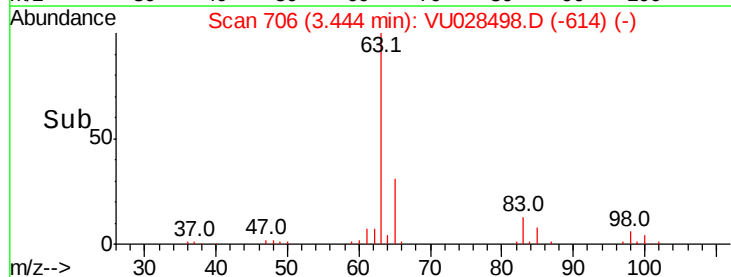
60000

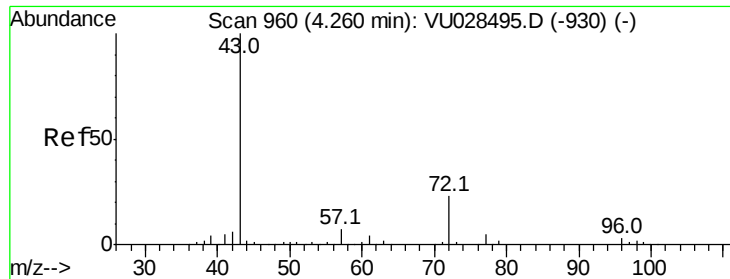
40000

20000

0

Time-->





#25

2-Butanone

Concen: 248.681 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

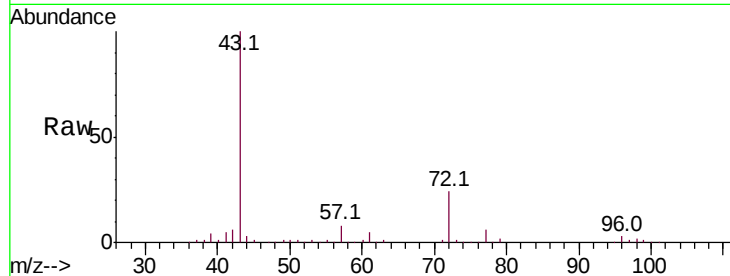
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 383810

Ion Ratio Lower Upper

43 100

72 24.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

50000

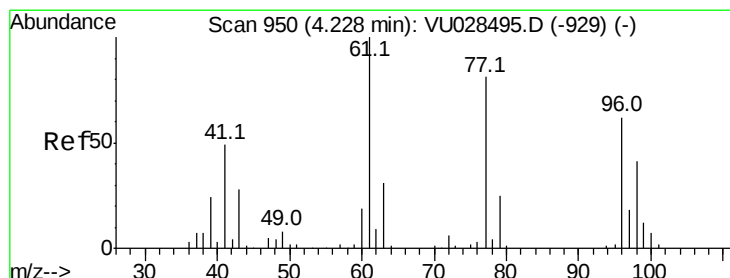
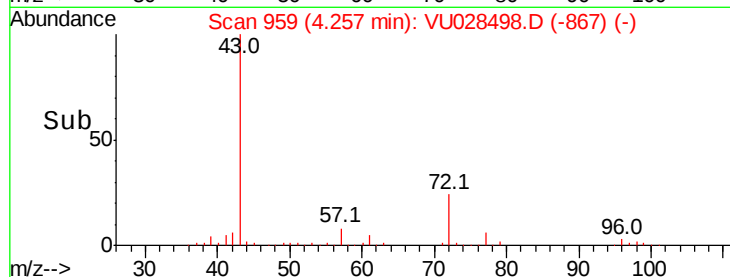
0

4.20

4.26

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.804 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028498.D

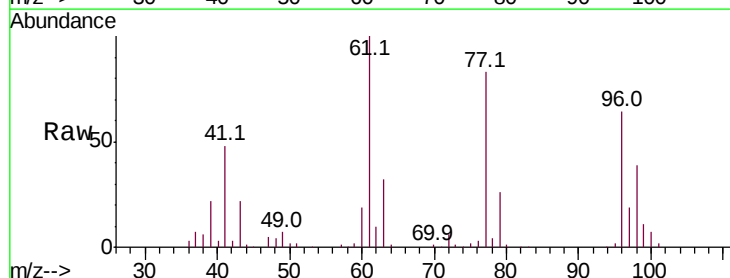
Acq: 06 Dec 2018 13:48

Tgt Ion: 77 Resp: 115174

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

50000

40000

30000

20000

10000

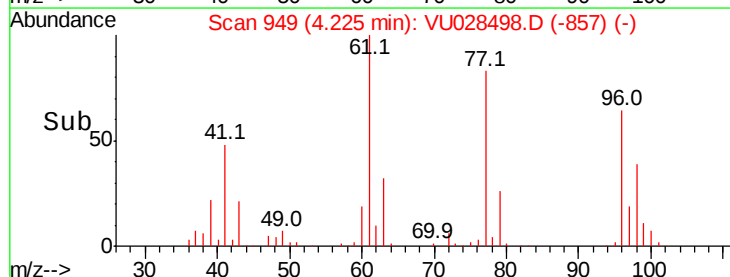
0

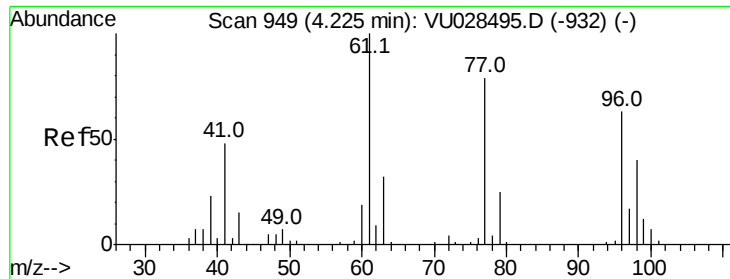
4.10

4.22

4.30

Time-->

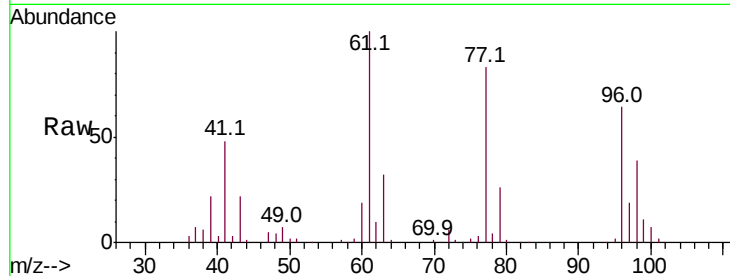




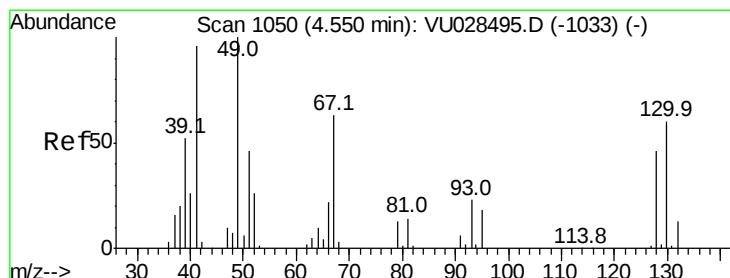
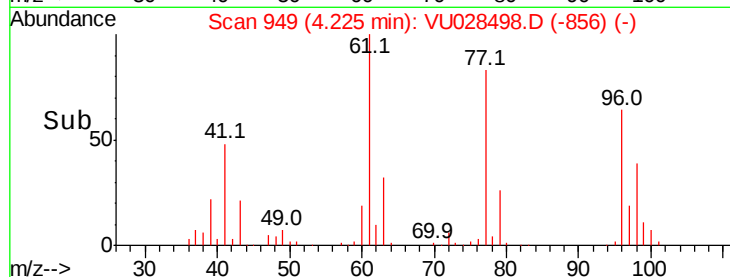
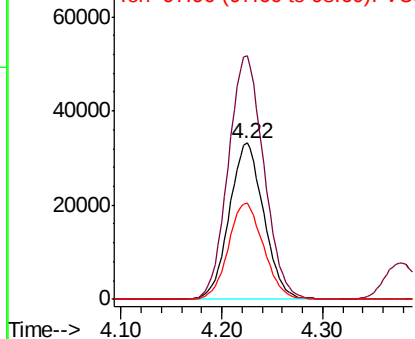
#27
 cis-1,2-Dichloroethene
 Concen: 49.047 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 78923
 Ion Ratio Lower Upper
 96 100
 61 161.1 0.0 332.4
 98 62.7 0.0 129.0

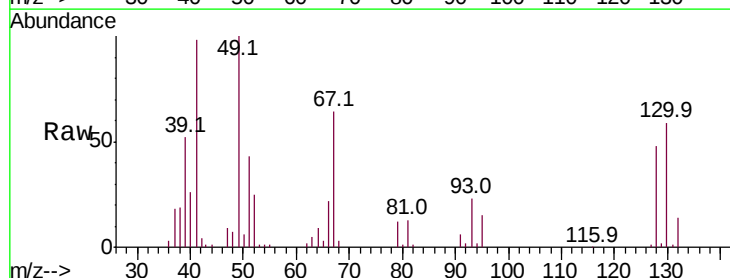


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

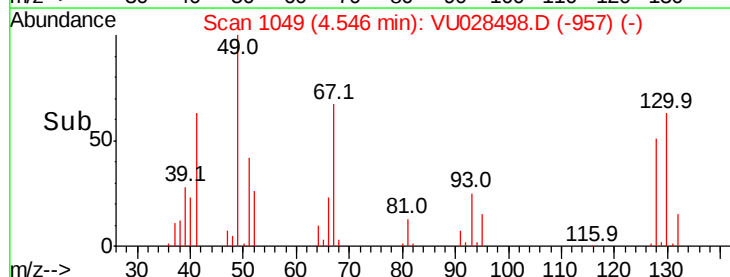
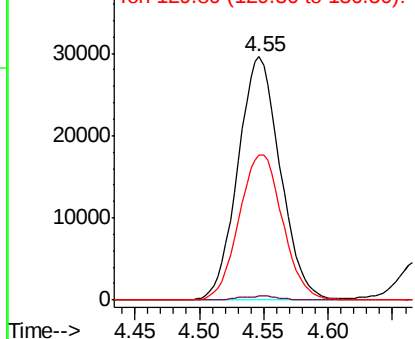


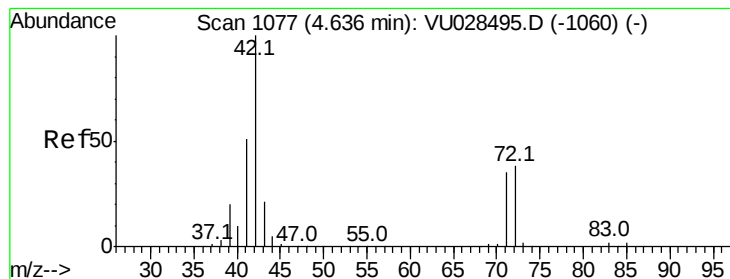
#28
 Bromochloromethane
 Concen: 48.960 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 49 Resp: 67678
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.0
 130 61.7 47.8 71.8



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





#29

Tetrahydrofuran

Concen: 247.780 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

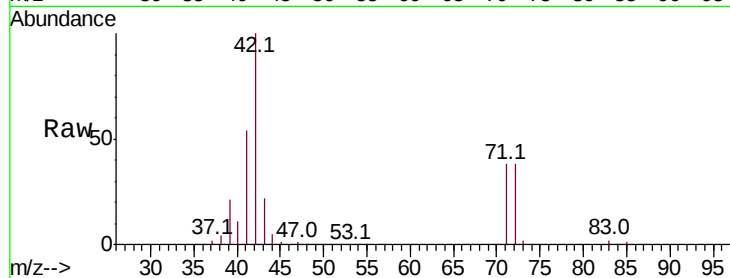
Tot Ion: 42 Resp: 245604

Ion Ratio Lower Upper

42 100

72 38.8 31.4 47.0

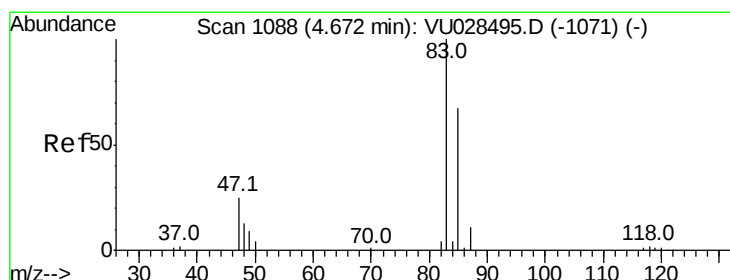
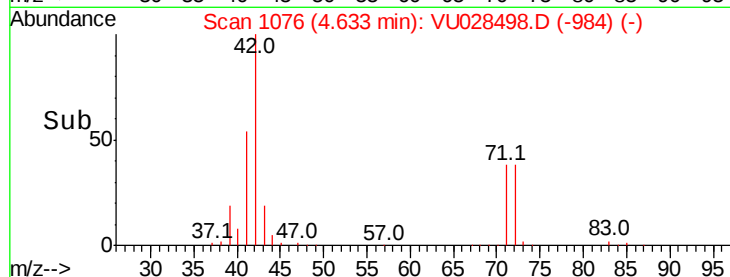
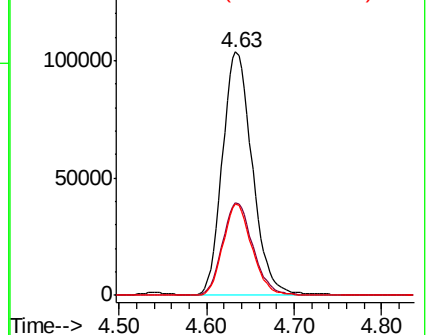
71 36.6 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 48.429 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028498.D

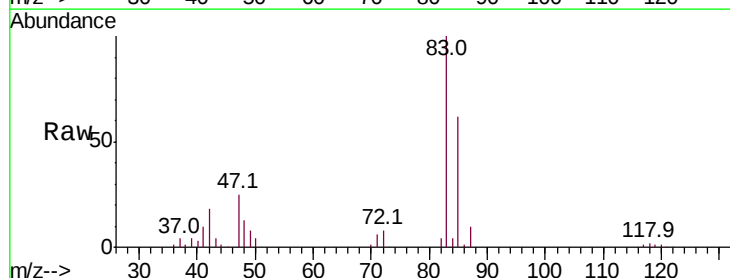
Acq: 06 Dec 2018 13:48

Tgt Ion: 83 Resp: 128344

Ion Ratio Lower Upper

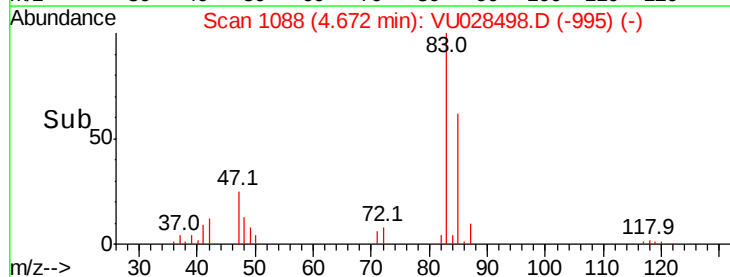
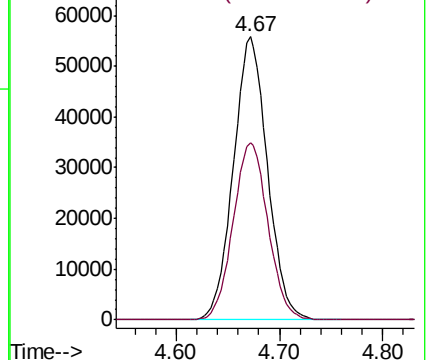
83 100

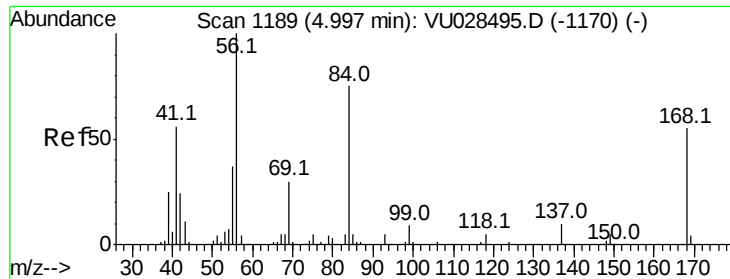
85 62.5 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

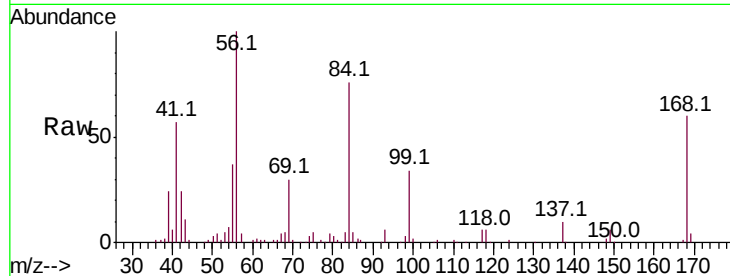




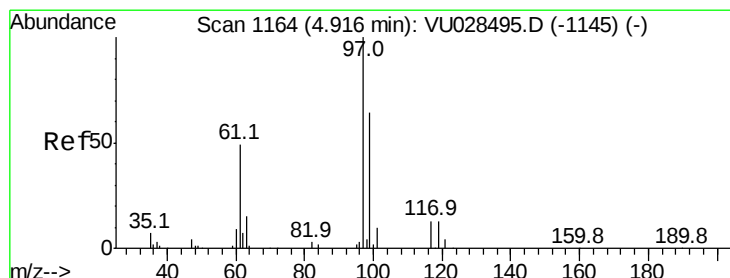
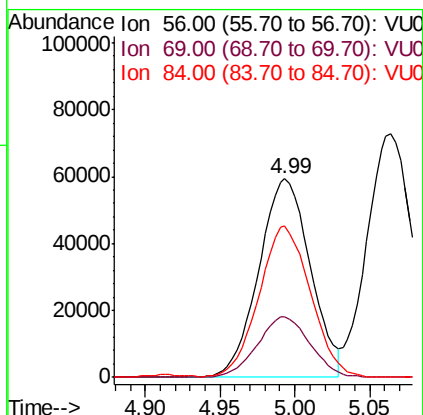
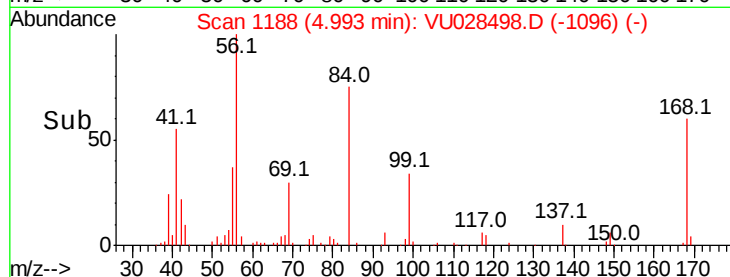
#31
Cyclohexane
Concen: 47.763 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 141884
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 75.6 59.7 89.5

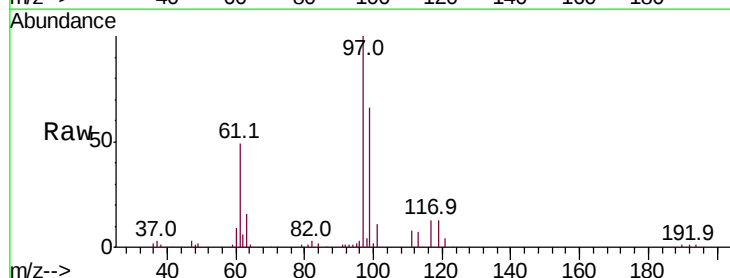


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

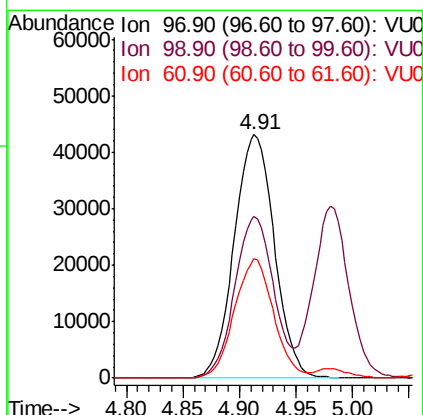
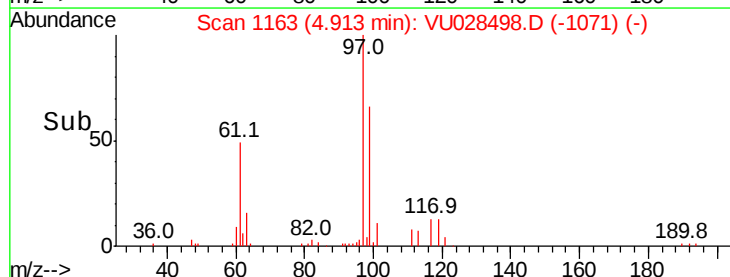


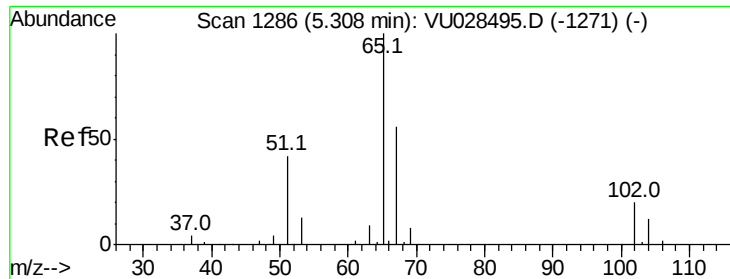
#32
1,1,1-Trichloroethane
Concen: 48.423 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 97 Resp: 106581
Ion Ratio Lower Upper
97 100
99 64.6 52.3 78.5
61 47.7 39.0 58.6



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

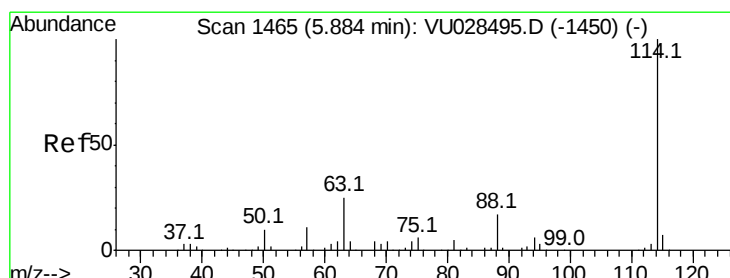
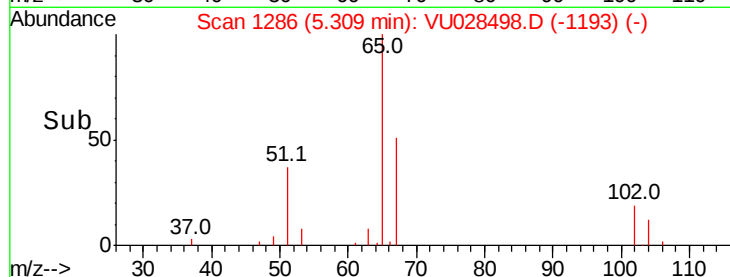
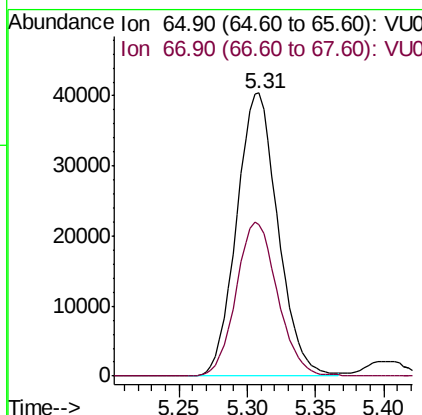
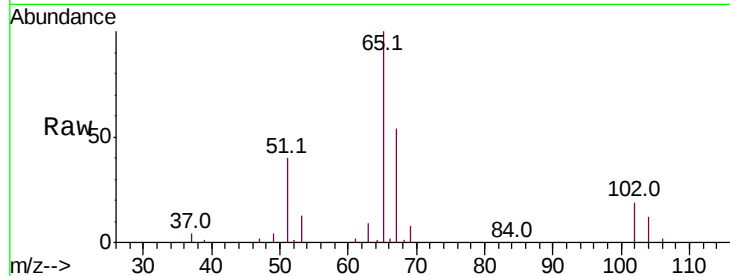




#33
 1,2-Dichloroethane-d4
 Concen: 49.171 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

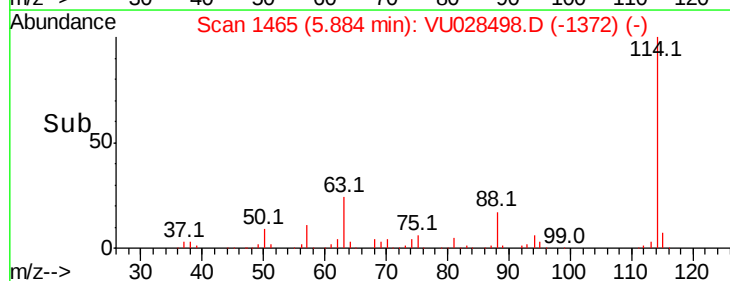
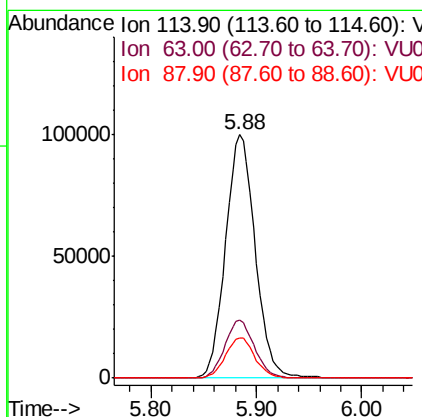
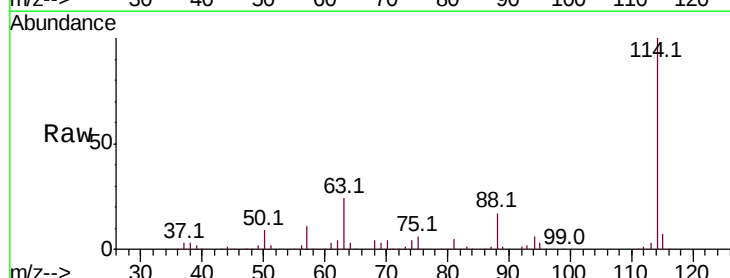
Instrument :
 MSVOA_U
 ClientSampled :

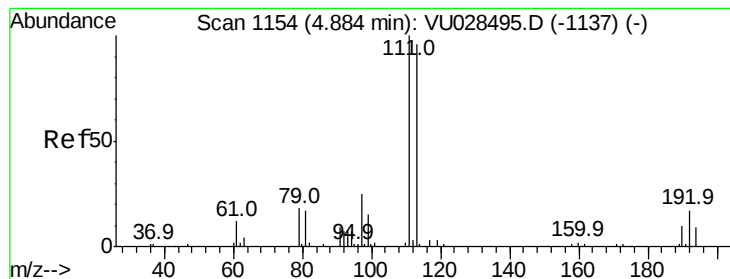
Tot Ion: 65 Resp: 85100
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 114 Resp: 194374
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

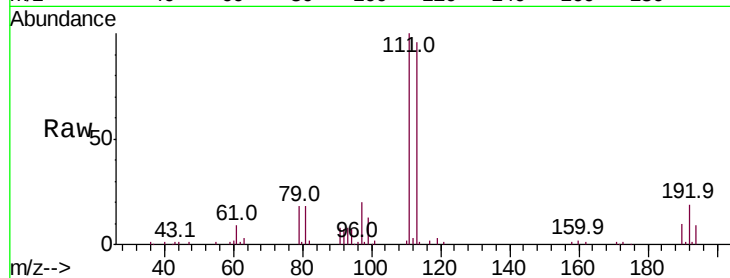
Tot Ion:113 Resp: 62489

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.0

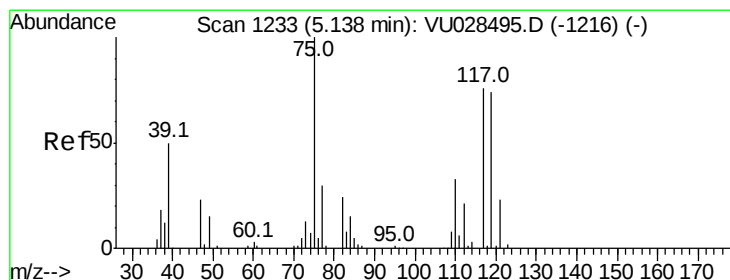
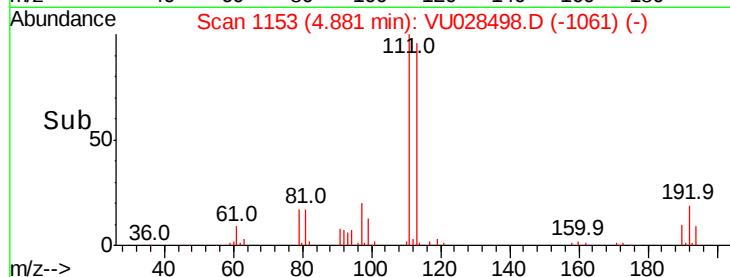
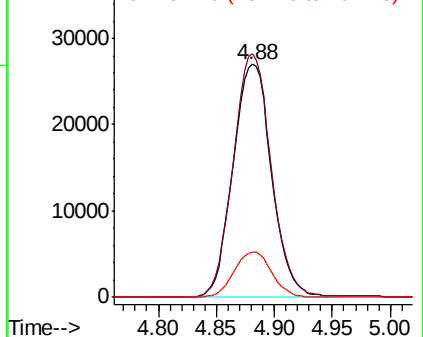
192 19.0 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.751 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

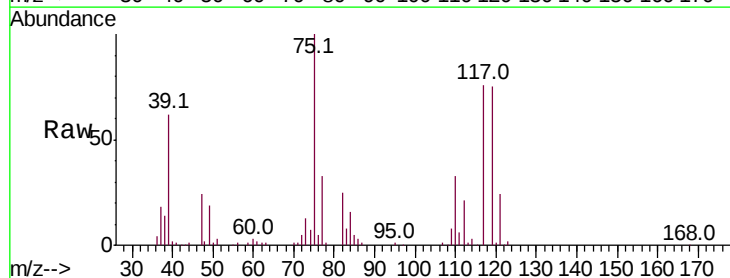
Tgt Ion: 75 Resp: 101566

Ion Ratio Lower Upper

75 100

110 33.0 16.1 48.2

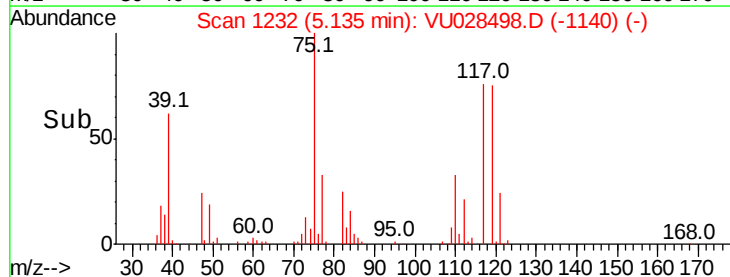
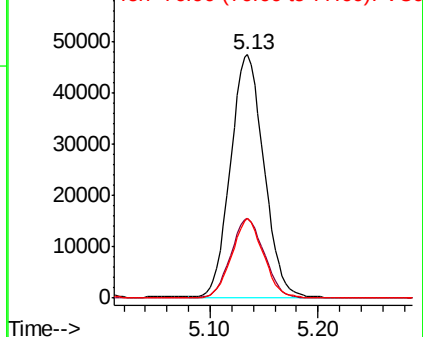
77 31.5 24.5 36.7

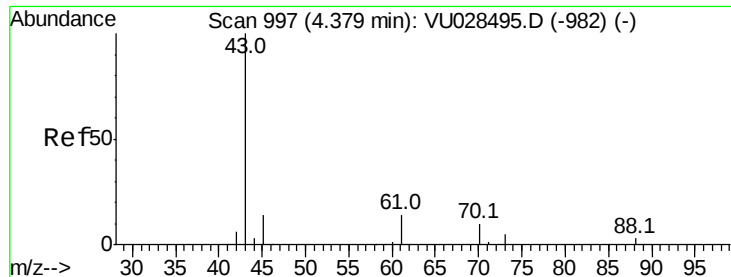


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

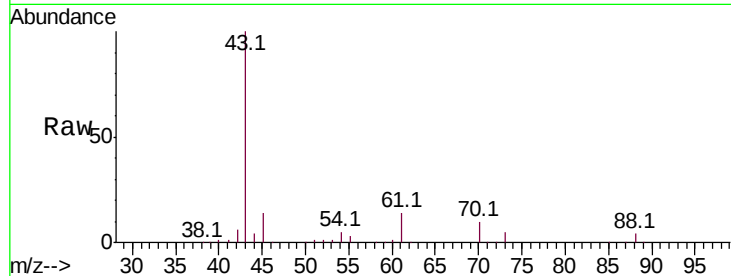




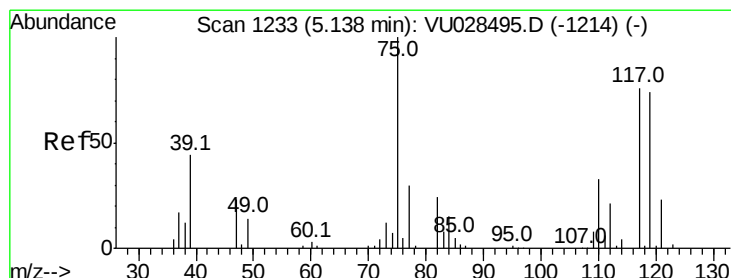
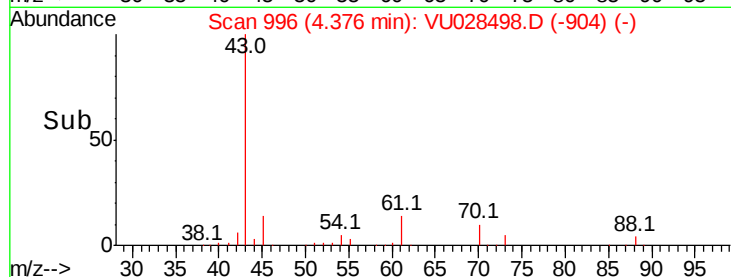
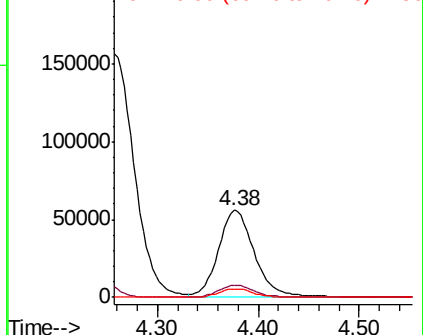
#37
Ethyl Acetate
Concen: 49.676 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 136589
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.7 7.4 11.0

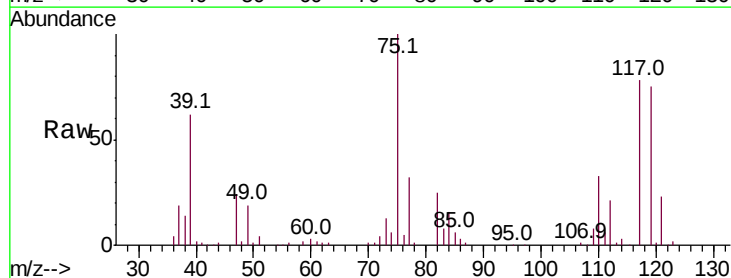


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

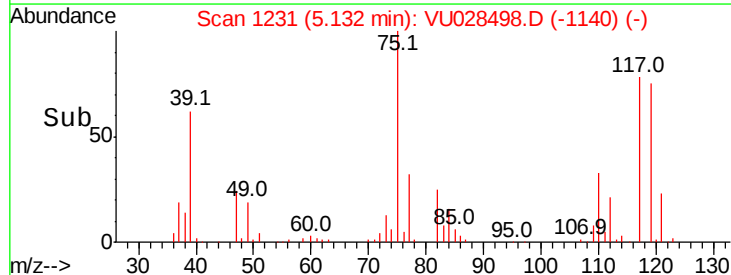
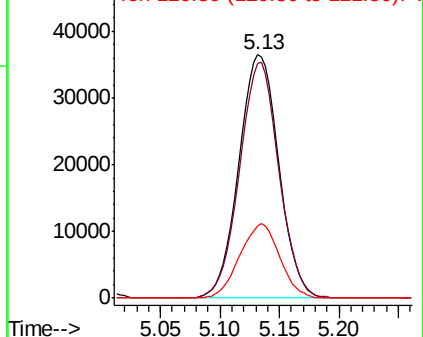


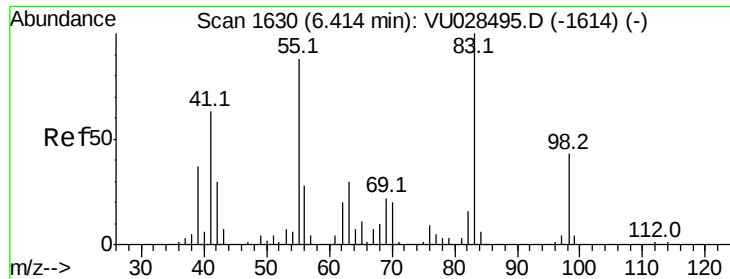
#38
Carbon Tetrachloride
Concen: 49.446 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 117 Resp: 84769
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4
121 29.8 24.6 36.8



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

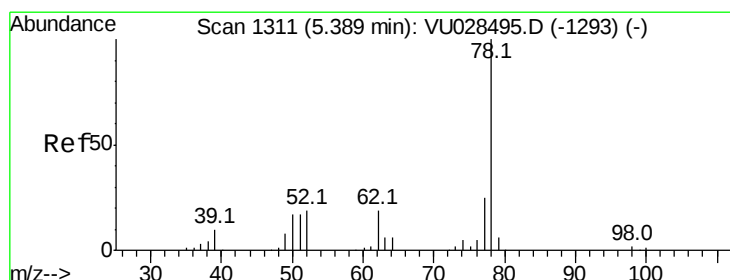
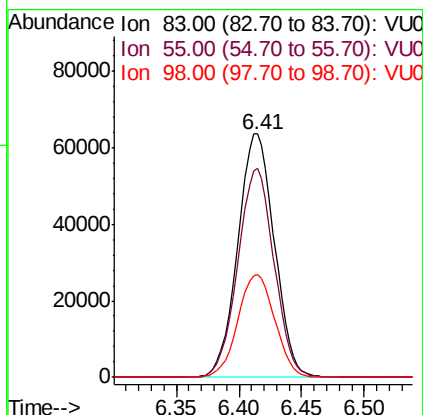
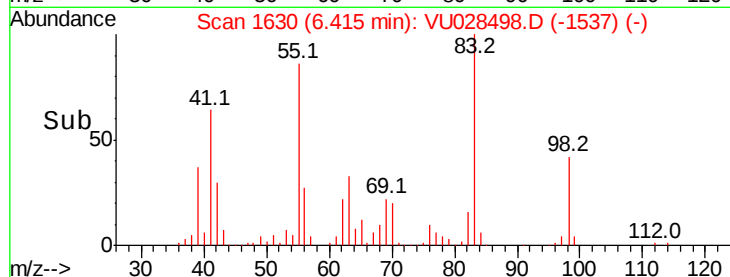
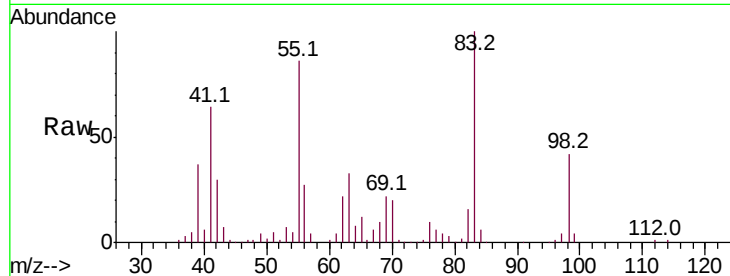




#39
Methvlcvclohexane
Concen: 49.685 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

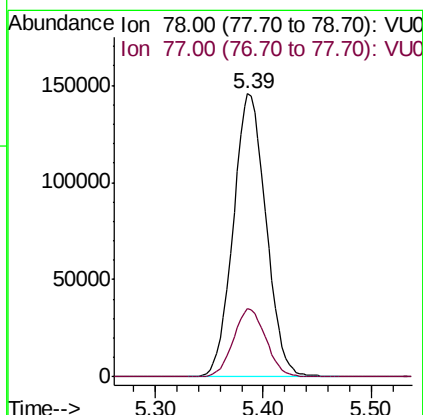
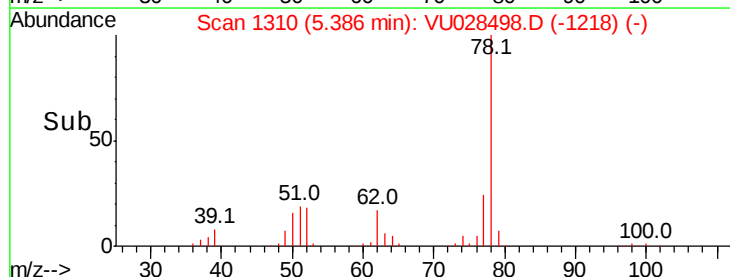
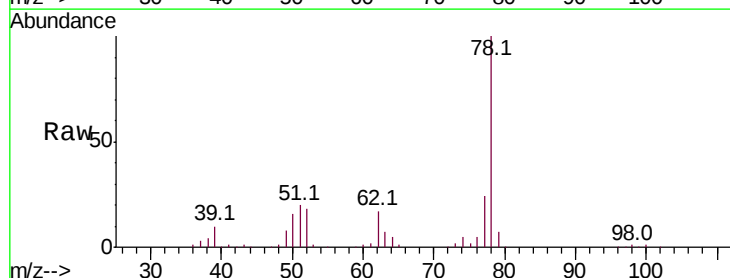
Instrument :
MSVOA_U
ClientSampleId :

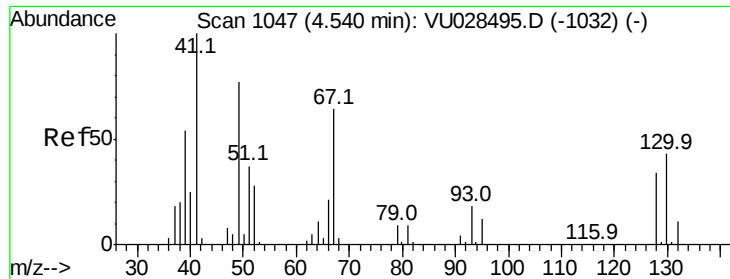
Tot Ion: 83 Resp: 128928
Ion Ratio Lower Upper
83 100
55 85.9 70.2 105.2
98 42.2 34.2 51.4



#40
Benzene
Concen: 49.256 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 78 Resp: 308566
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9

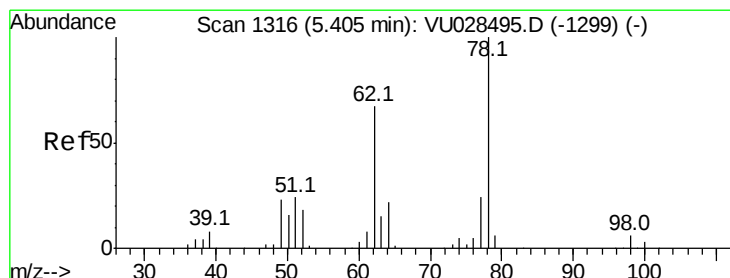
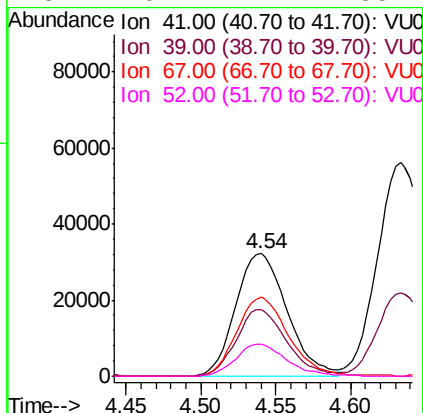
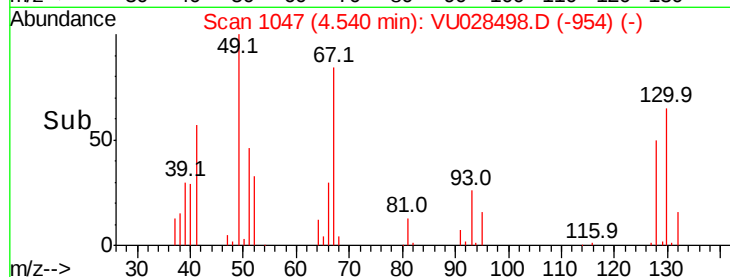
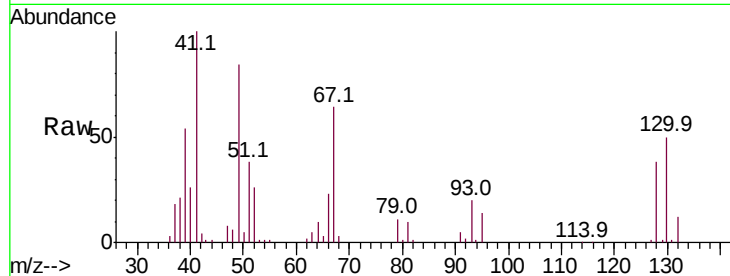




#41
Methacrylonitrile
Concen: 51.298 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

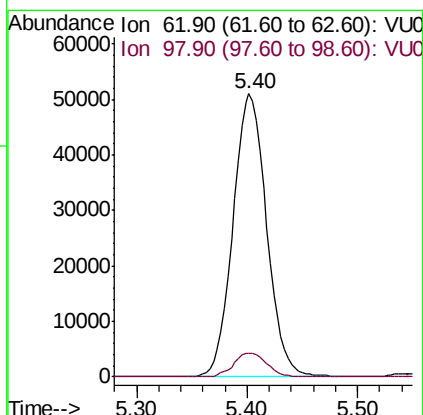
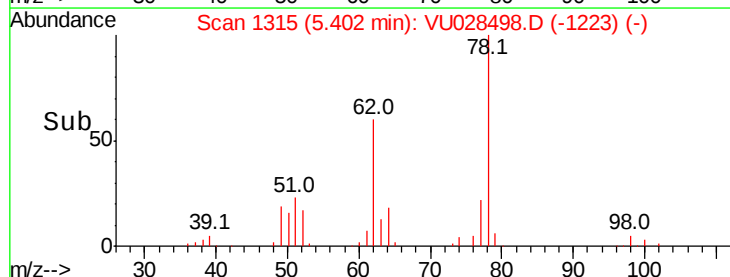
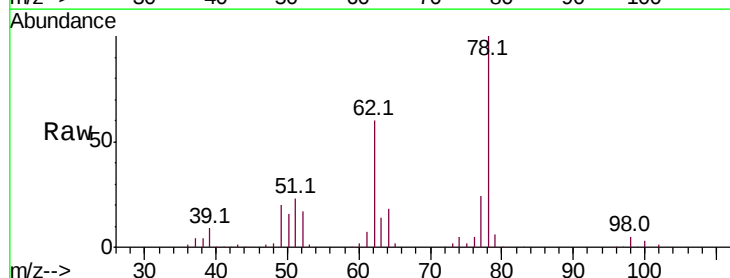
Instrument :
MSVOA_U
ClientSampleId :

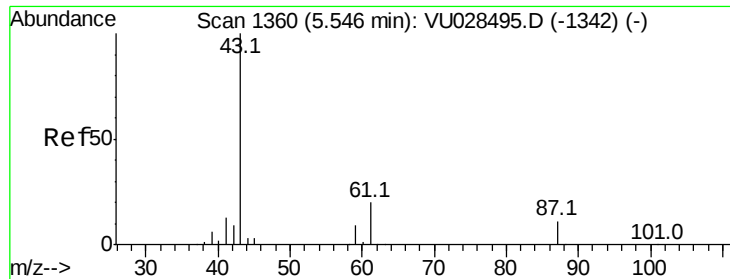
Tot Ion:	41	Resp:	77244
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.3	64.9
67	65.1	53.6	80.4
52	26.4	22.1	33.1



#42
1,2-Dichloroethane
Concen: 49.109 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:	62	Resp:	107687
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.058 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

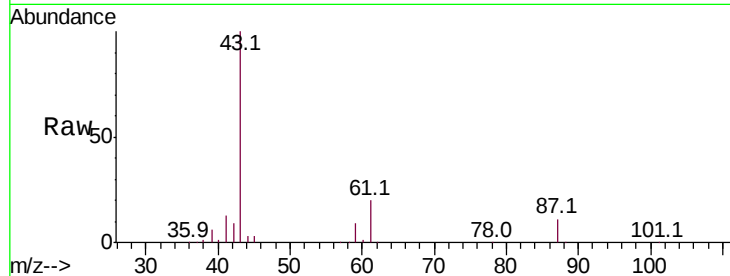
Tot Ion: 43 Resp: 217703

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

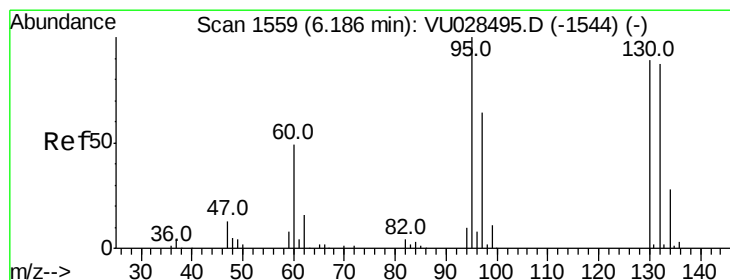
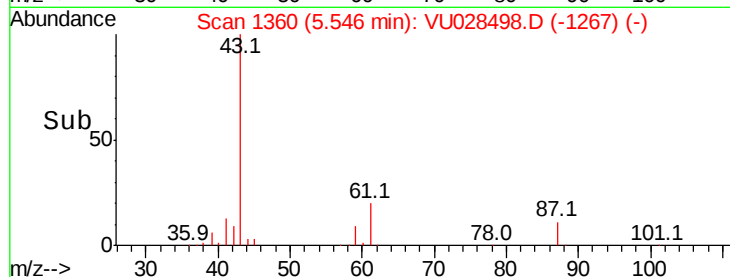
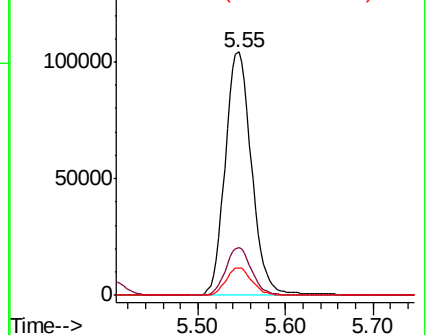
87 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 49.797 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028498.D

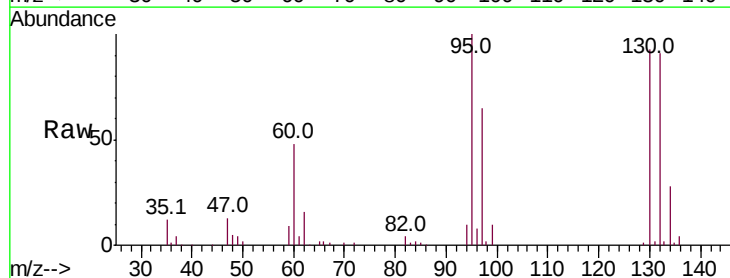
Acq: 06 Dec 2018 13:48

Tgt Ion:130 Resp: 69362

Ion Ratio Lower Upper

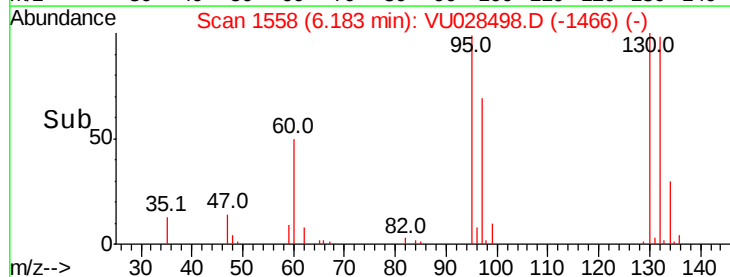
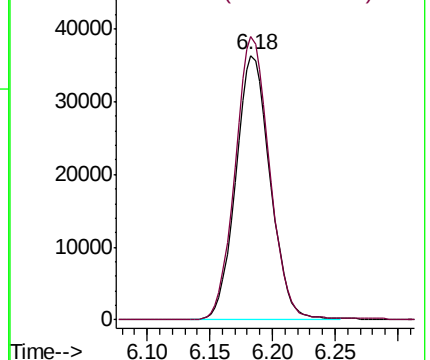
130 100

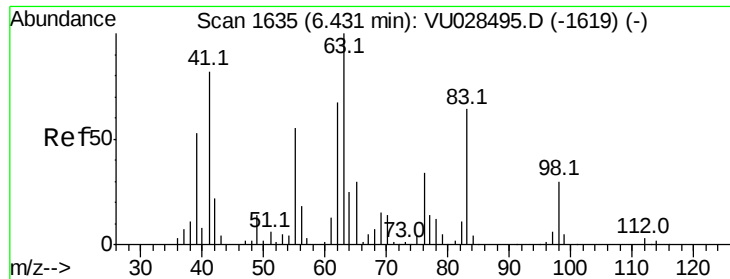
95 107.0 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 49.995 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

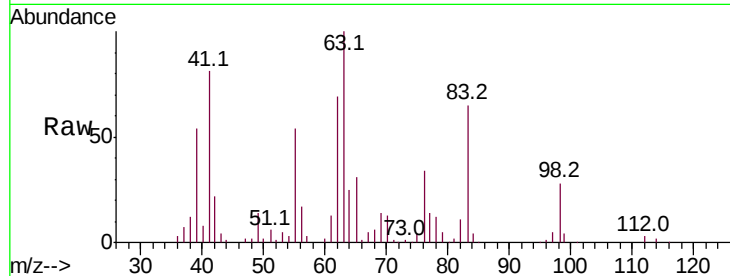
ClientSampled :

Tot Ion: 63 Resp: 88072

Ion Ratio Lower Upper

63 100

65 30.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

50000

40000

30000

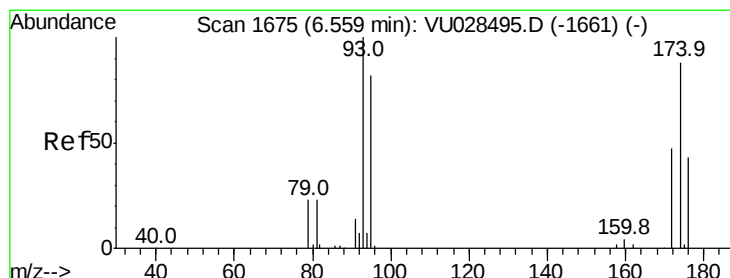
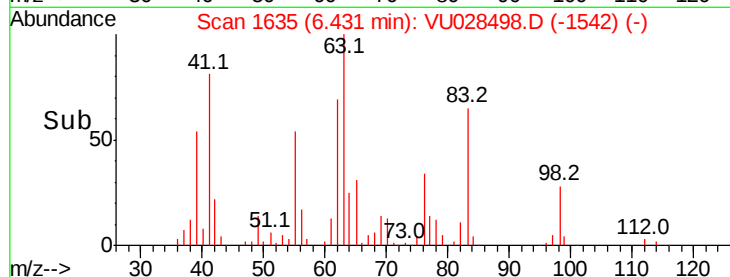
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#46

Dibromomethane

Concen: 49.200 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

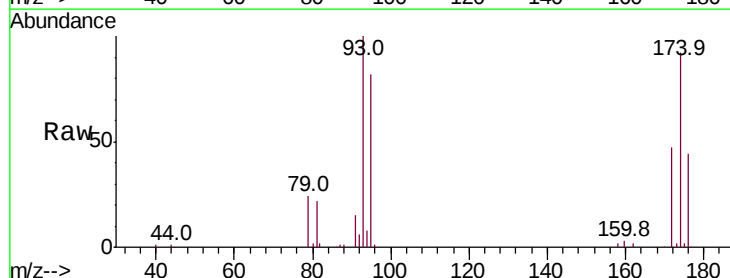
Tgt Ion: 93 Resp: 51425

Ion Ratio Lower Upper

93 100

95 83.1 65.4 98.2

174 92.3 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

30000

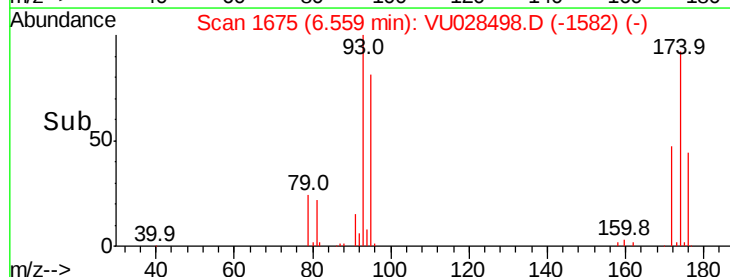
20000

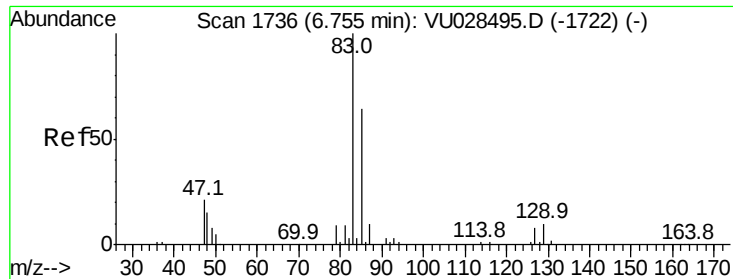
10000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 48.932 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

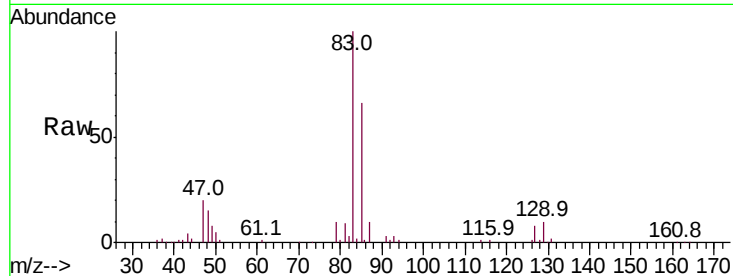
Tot Ion: 83 Resp: 99526

Ion Ratio Lower Upper

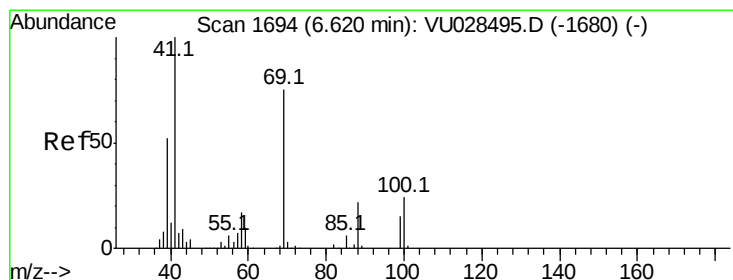
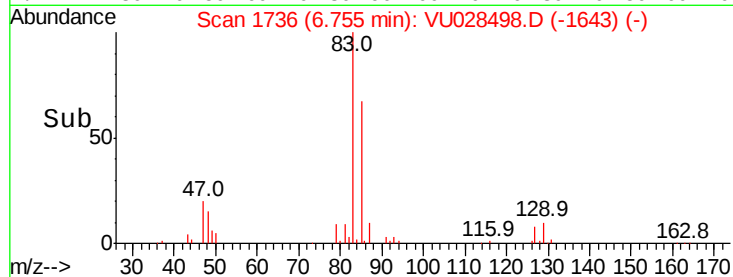
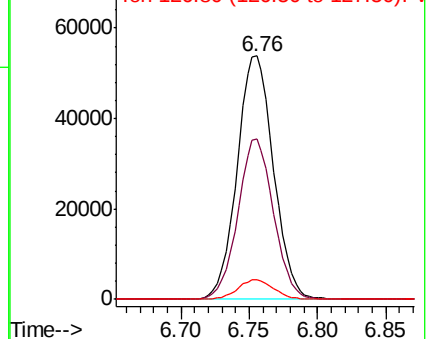
83 100

85 65.6 51.5 77.3

127 7.9 6.2 9.4



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



#48

Methyl methacrylate

Concen: 50.771 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

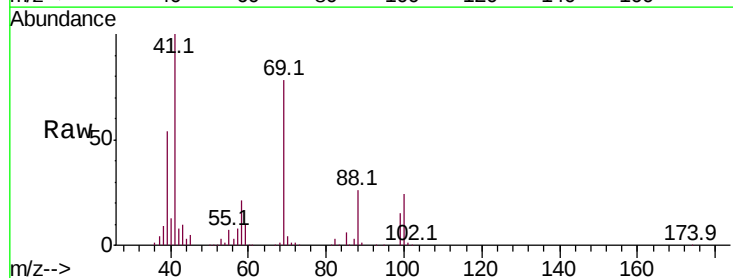
Tgt Ion: 41 Resp: 109807

Ion Ratio Lower Upper

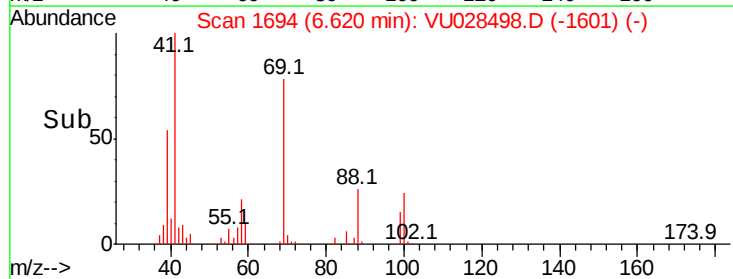
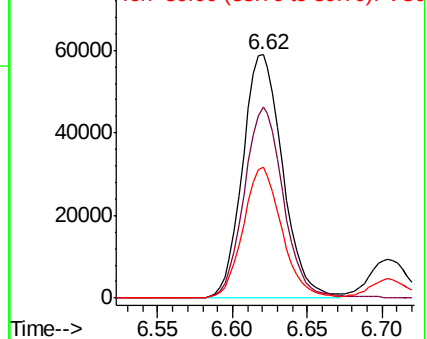
41 100

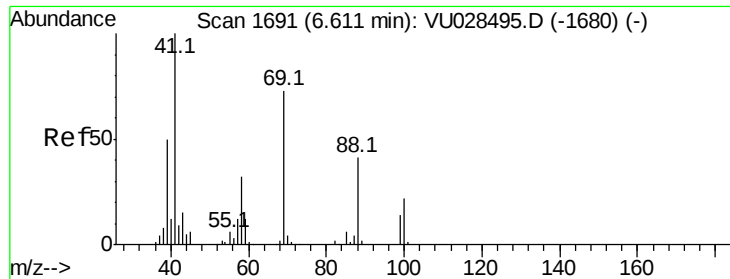
69 77.0 60.4 90.6

39 51.7 41.1 61.7



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

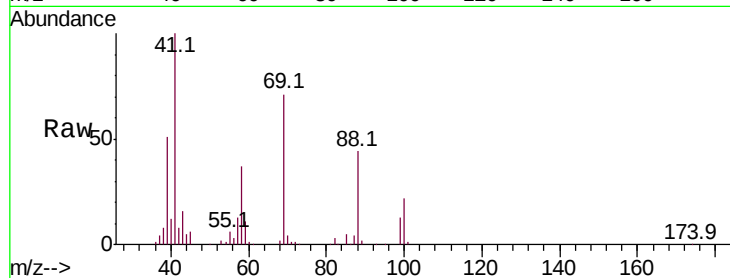




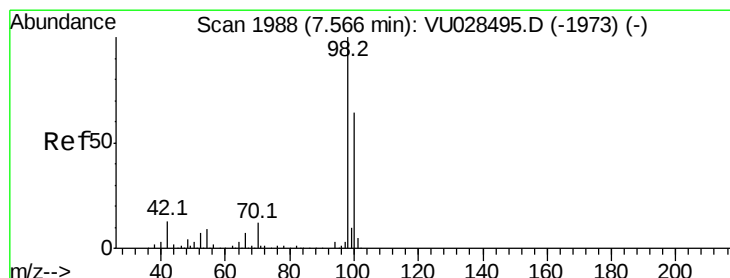
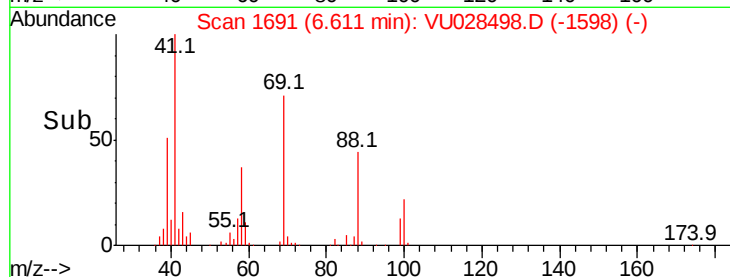
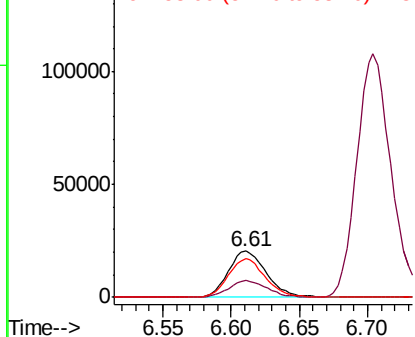
#49
1,4-Dioxane
Concen: 1143.321 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 39044
Ion Ratio Lower Upper
88 100
43 37.2 30.9 46.3
58 82.5 62.4 93.6

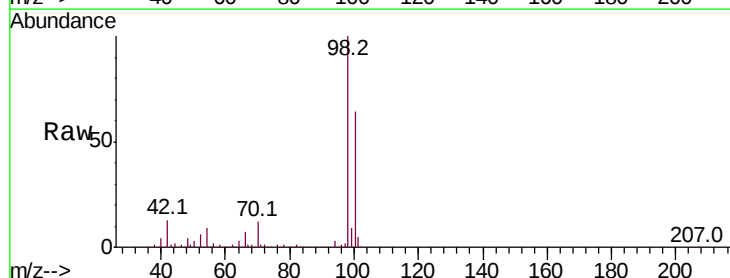


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

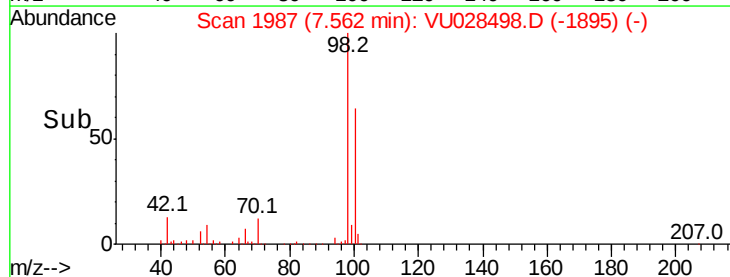
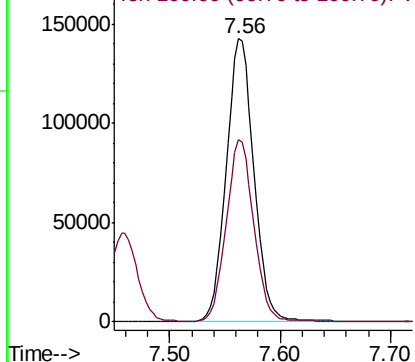


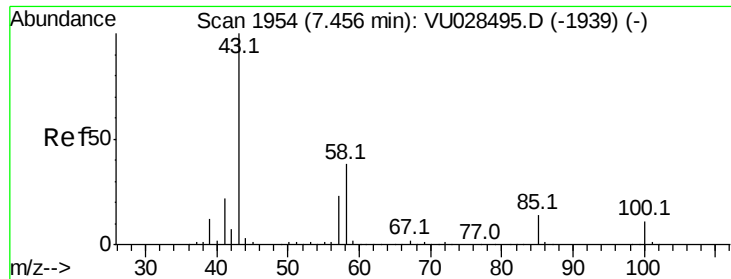
#50
Toluene-d8
Concen: 51.348 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 98 Resp: 248461
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 249.595 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

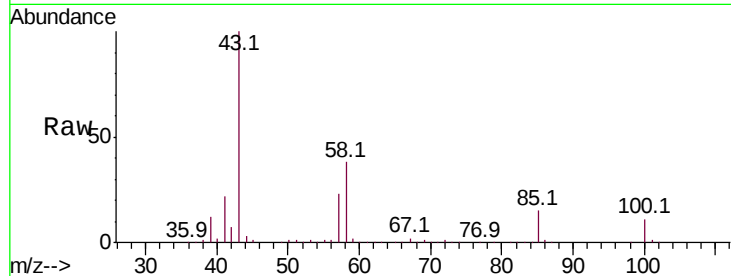
ClientSampleId :

Tot Ion: 43 Resp: 684635

Ion Ratio Lower Upper

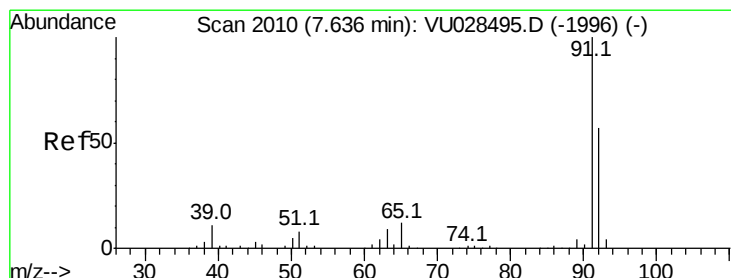
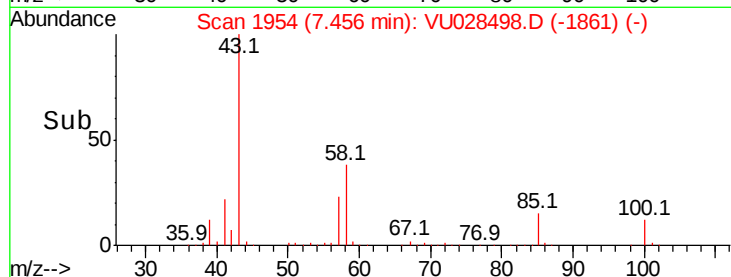
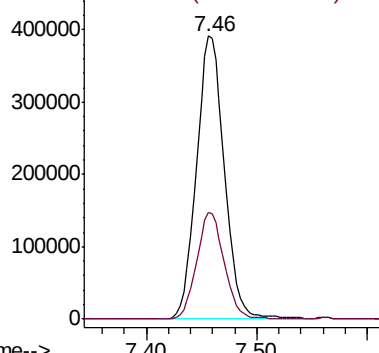
43 100

58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.274 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028498.D

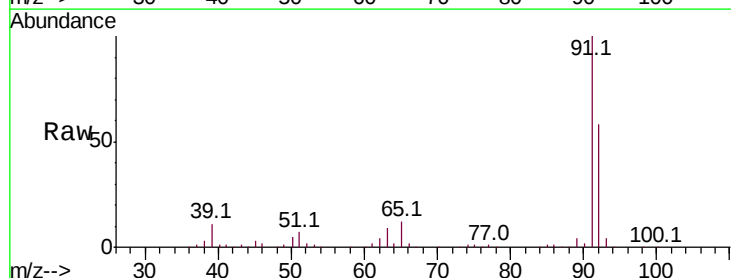
Acq: 06 Dec 2018 13:48

Tgt Ion: 92 Resp: 181662

Ion Ratio Lower Upper

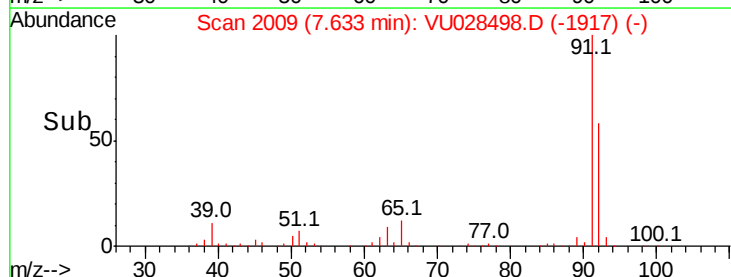
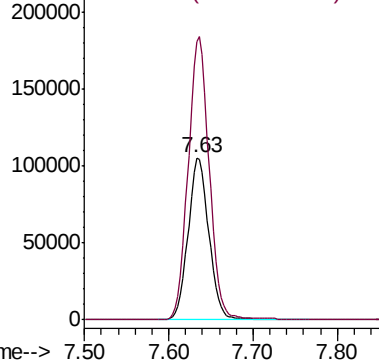
92 100

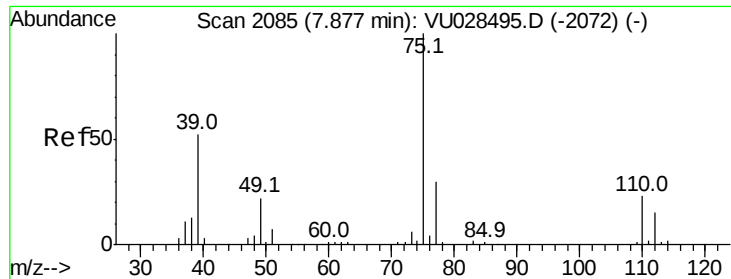
91 176.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

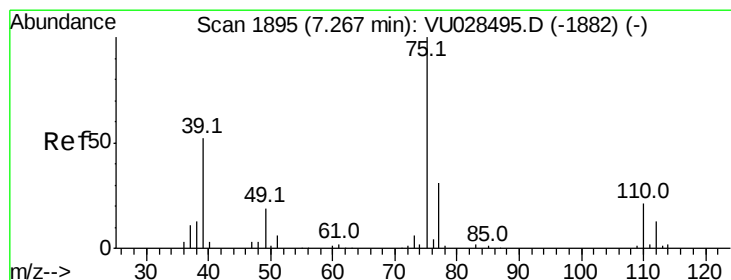
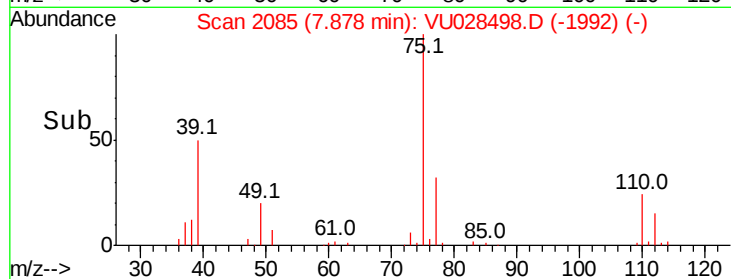
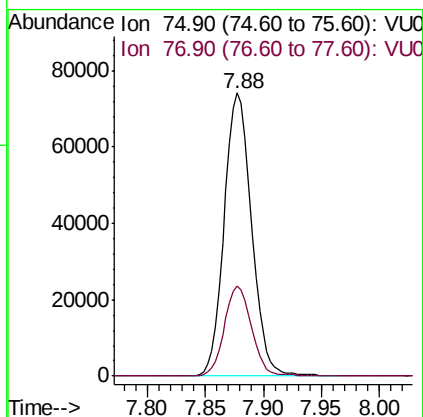
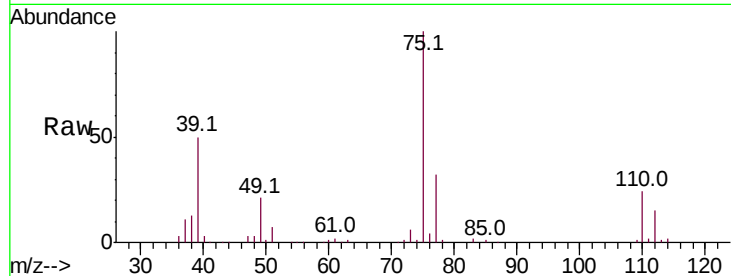




#53
t-1,3-Dichloropropene
Concen: 50.325 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

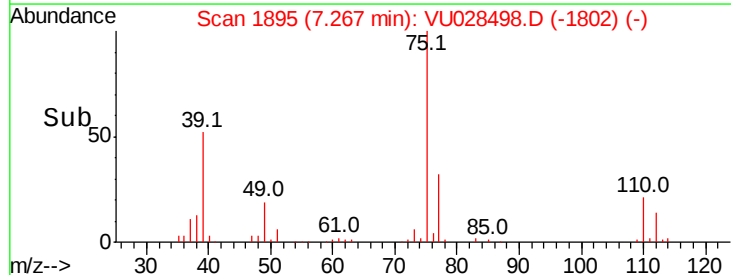
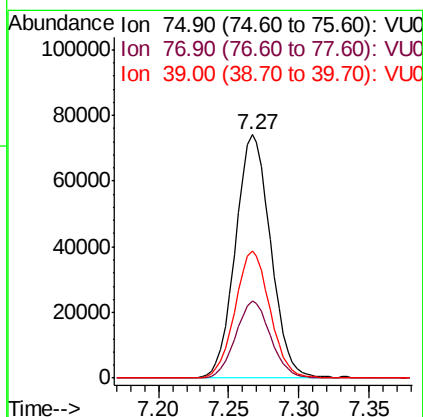
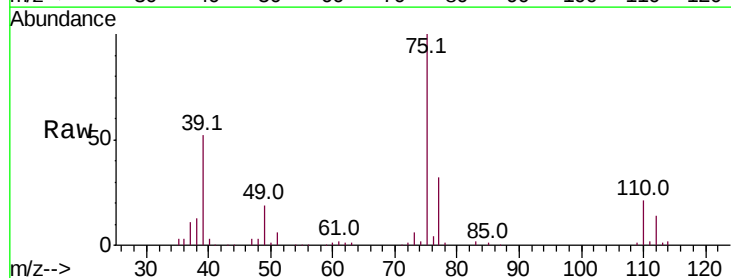
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 121906
Ion Ratio Lower Upper
75 100
77 31.7 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 49.445 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 75 Resp: 129948
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 52.1 41.3 61.9

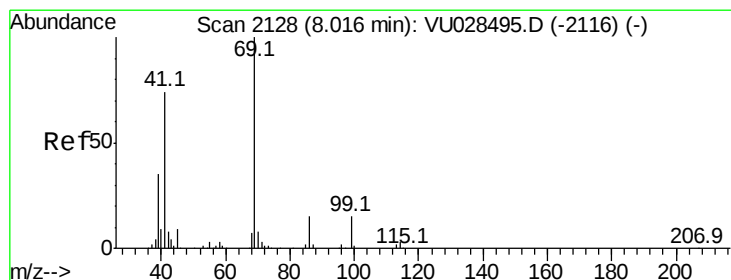
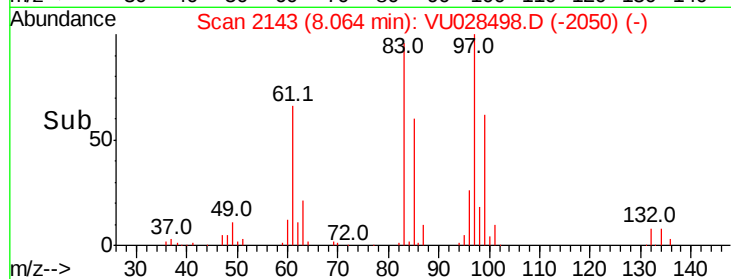
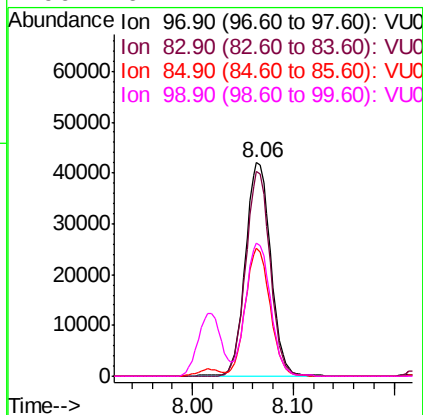
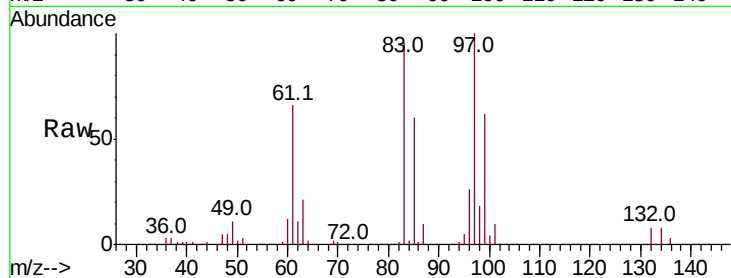




#55
 1,1,2-Trichloroethane
 Concen: 49.807 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

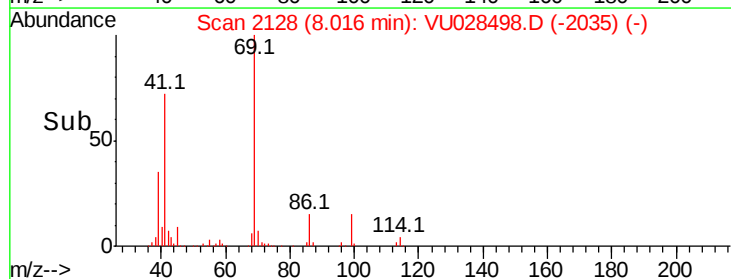
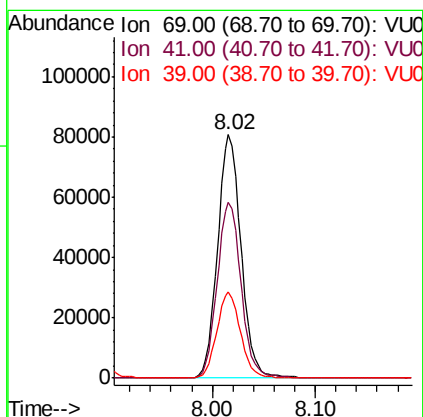
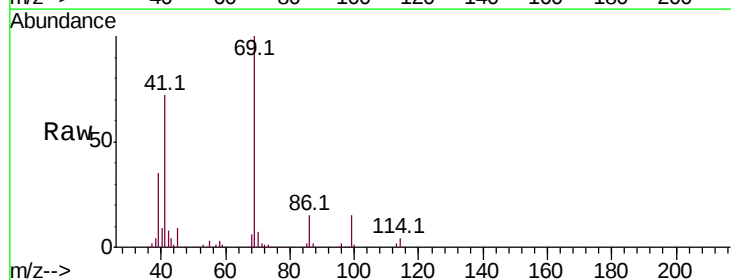
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	72587
Ion	Ratio	Lower	Upper
97	100		
83	95.9	72.4	108.6
85	60.2	46.0	69.0
99	62.2	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 51.213 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion:	69	Resp:	127810
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.1	88.7
39	35.0	28.4	42.6





#57

1,3-Dichloropropane

Concen: 48.953 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

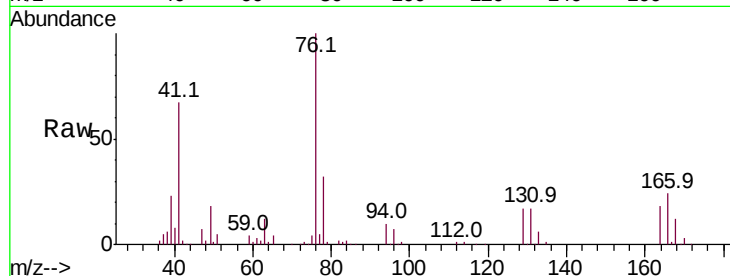
ClientSampleId :

Tot Ion: 76 Resp: 132432

Ion Ratio Lower Upper

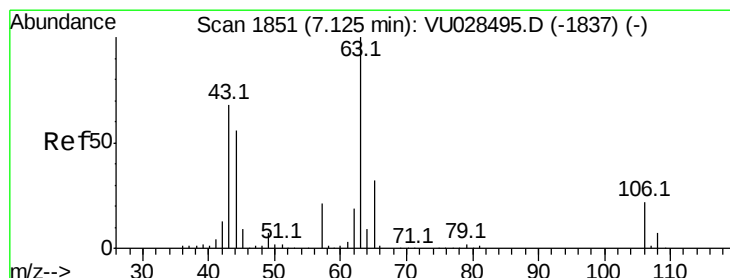
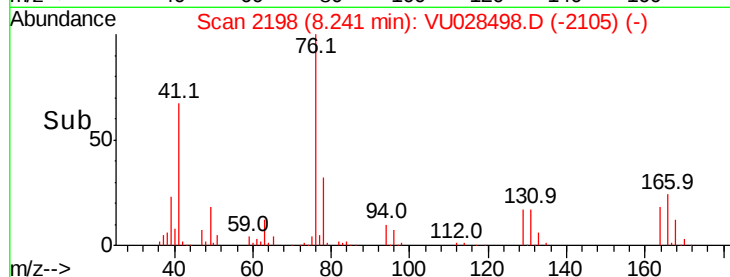
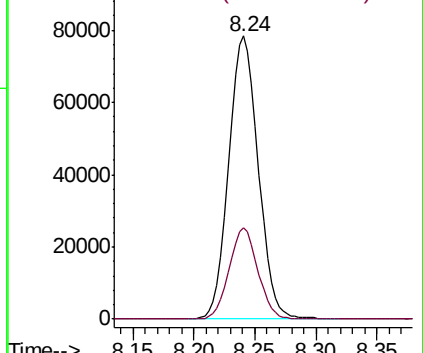
76 100

78 31.4 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 257.217 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028498.D

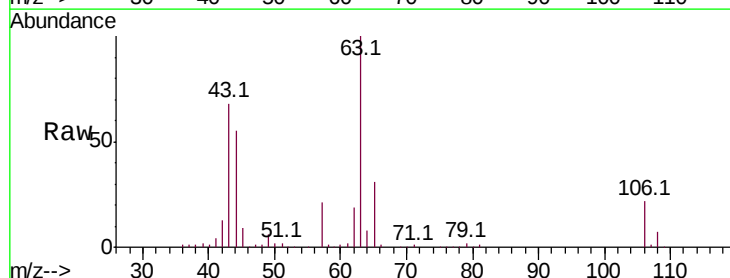
Acq: 06 Dec 2018 13:48

Tgt Ion: 63 Resp: 328796

Ion Ratio Lower Upper

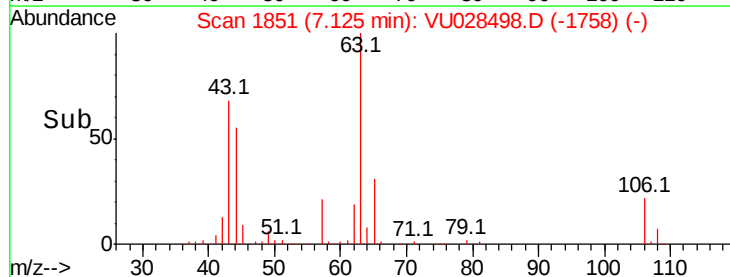
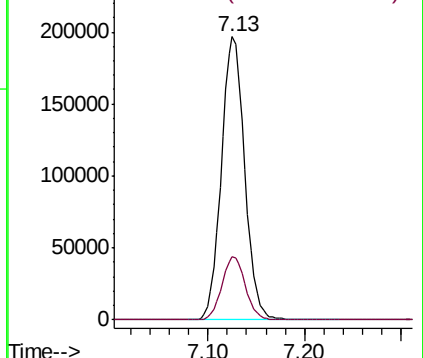
63 100

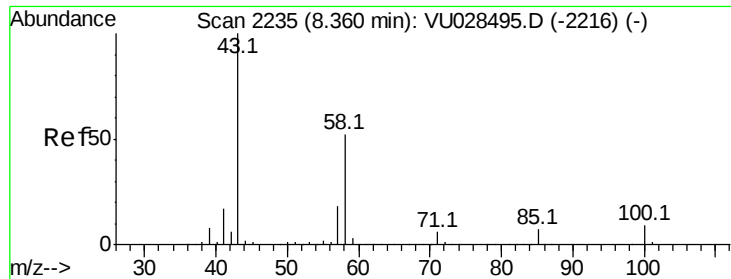
106 22.4 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

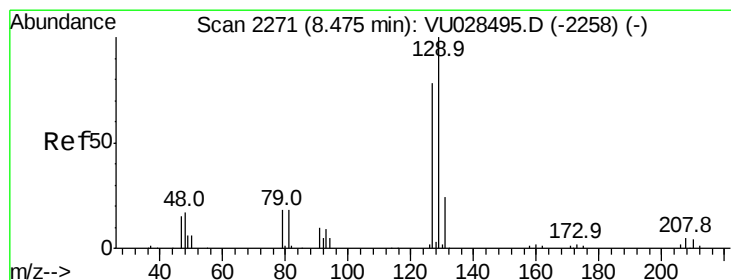
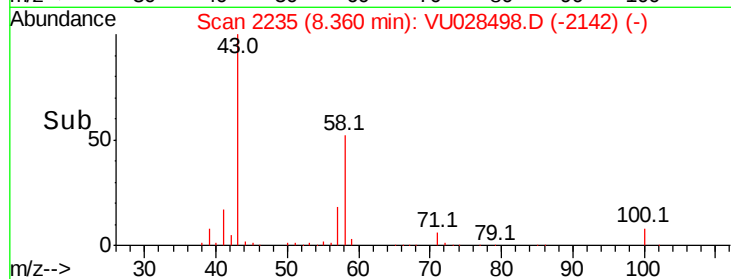
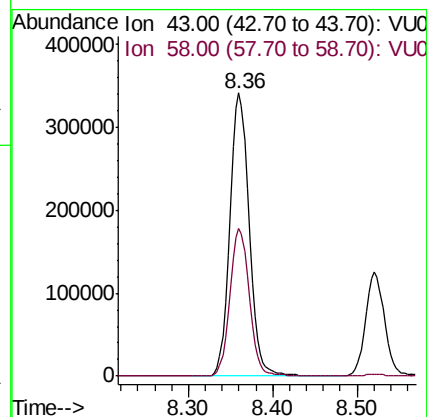
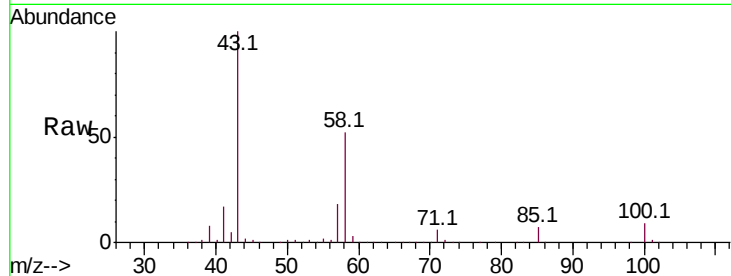




#59
2-Hexanone
Concen: 250.022 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

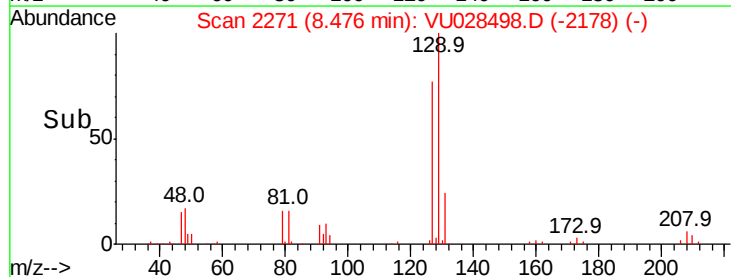
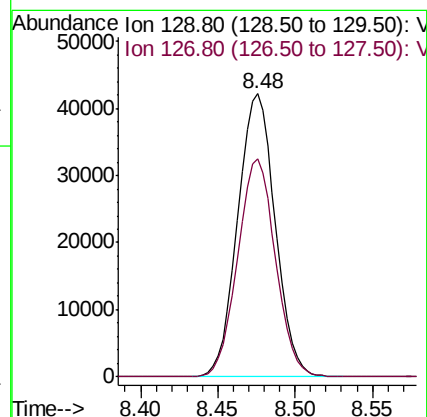
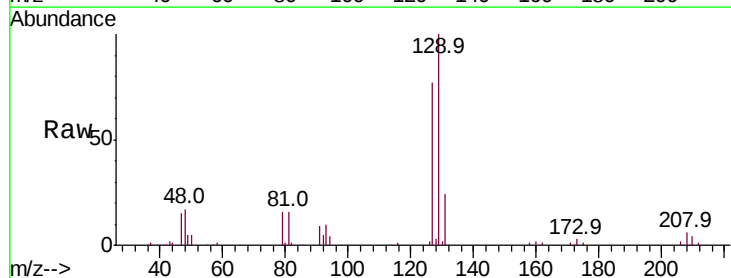
Instrument :
MSVOA_U
ClientSampled :

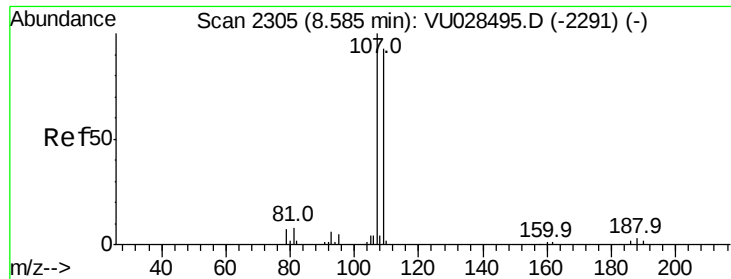
Tot Ion: 43 Resp: 543574
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6



#60
Dibromochloromethane
Concen: 49.764 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 129 Resp: 71006
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

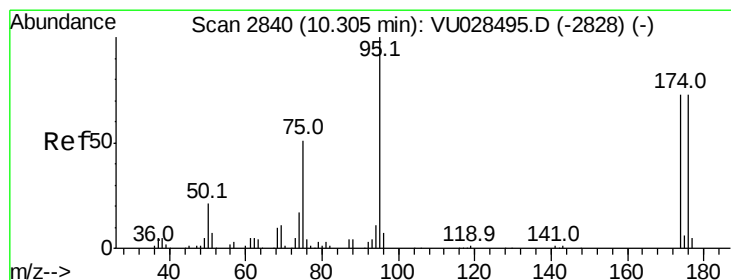
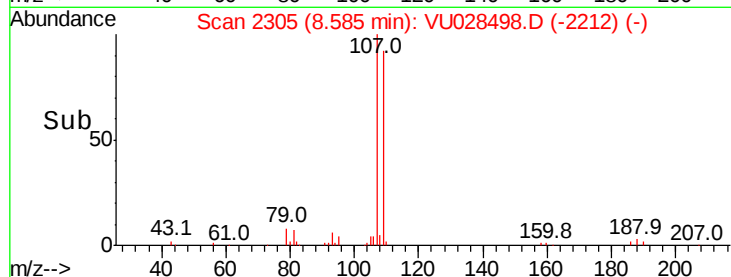
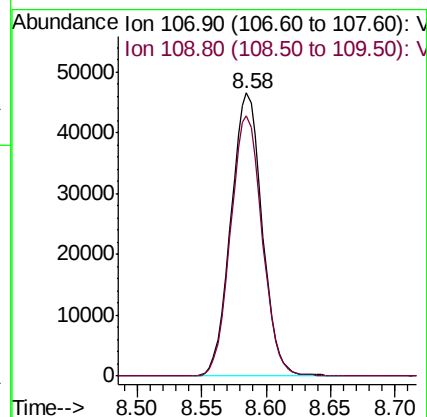
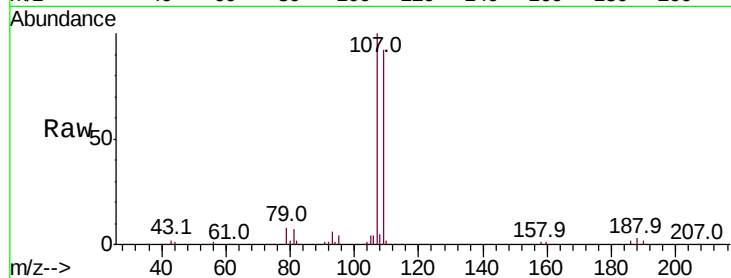




#61
 1,2-Dibromoethane
 Concen: 51.120 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

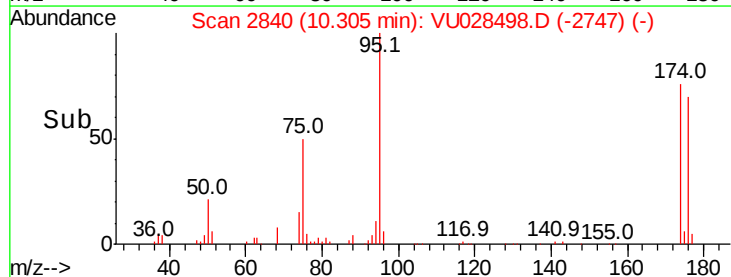
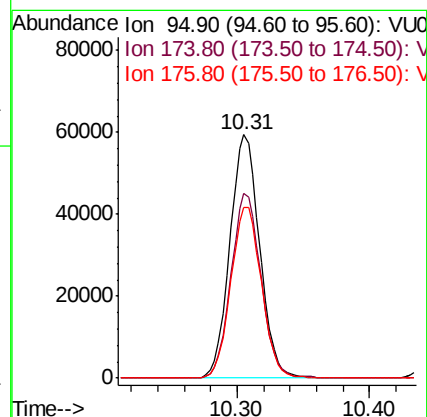
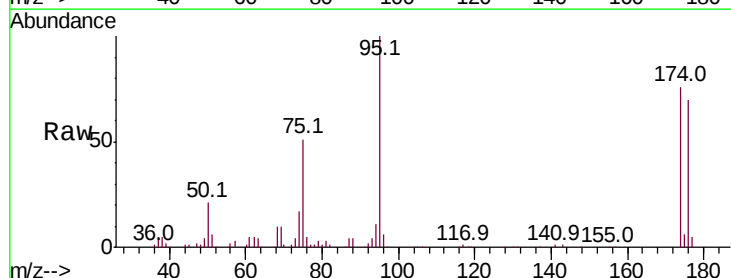
Instrument :
 MSVOA_U
 ClientSampleId :

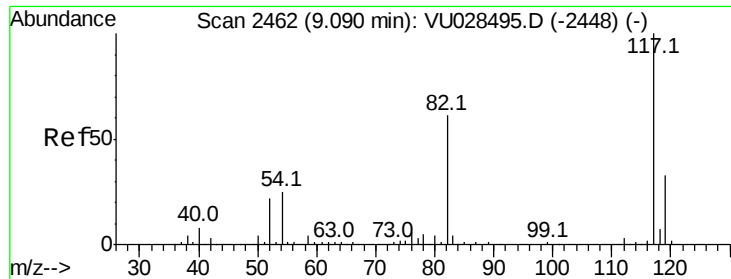
Tot Ion:107 Resp: 78126
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 51.152 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 95 Resp: 92511
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.4
 176 72.4 0.0 145.2

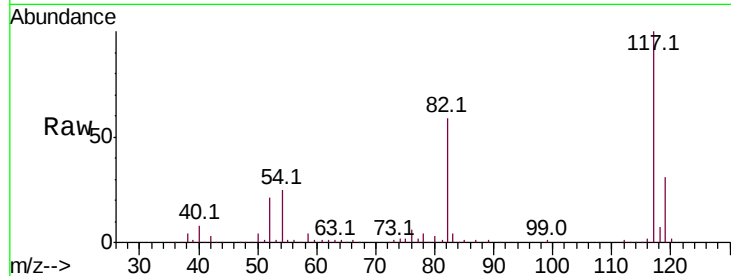




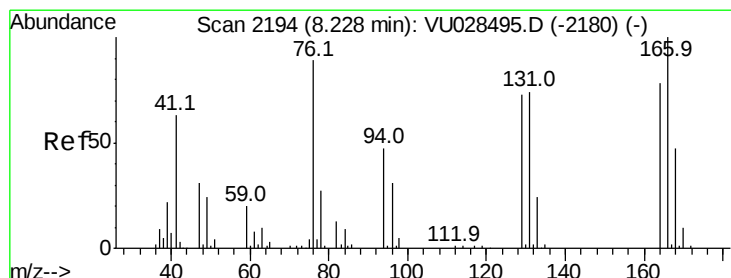
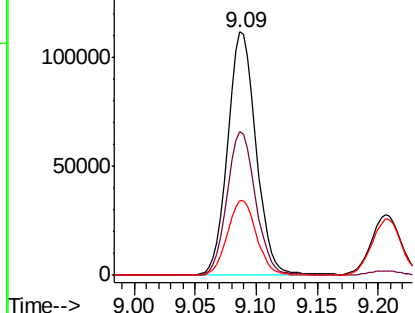
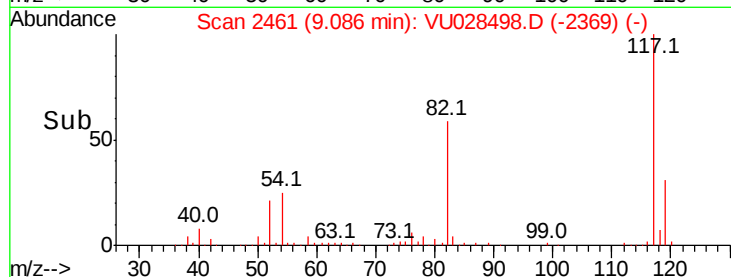
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 182401
Ion Ratio Lower Upper
117 100
82 59.3 48.9 73.3
119 30.7 26.2 39.4

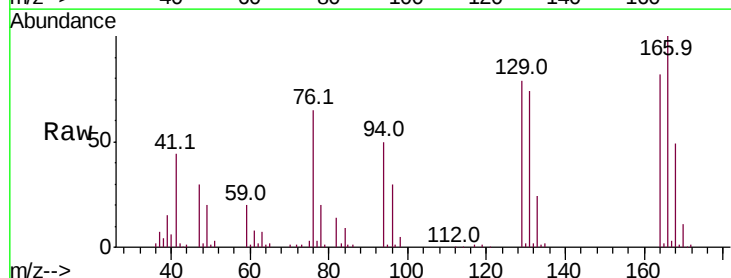


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

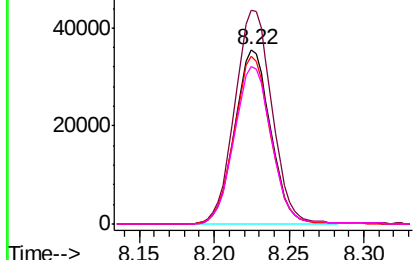
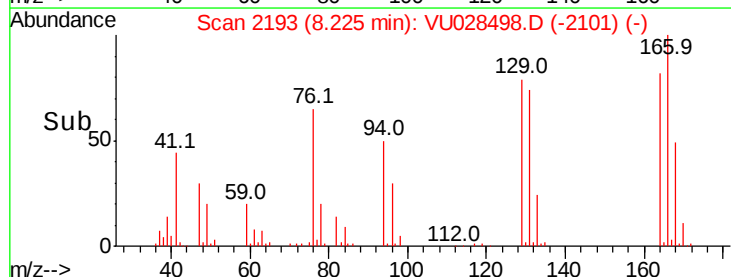


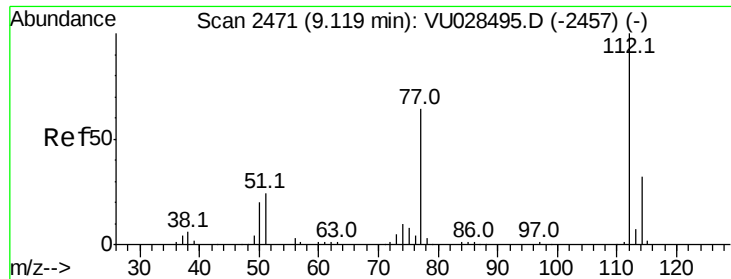
#64
Tetrachloroethene
Concen: 48.997 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:164 Resp: 59613
Ion Ratio Lower Upper
164 100
166 122.5 101.9 152.9
129 96.4 74.9 112.3
131 90.2 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
60000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

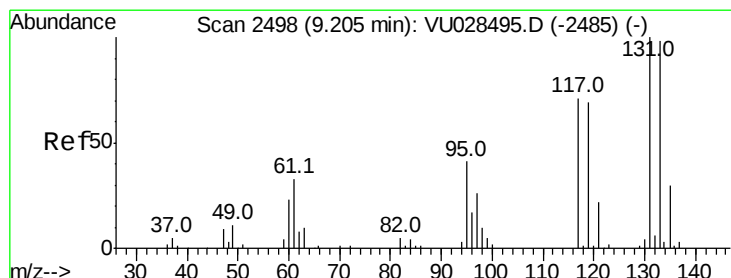
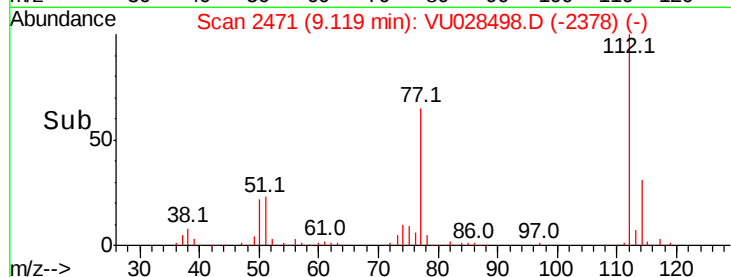
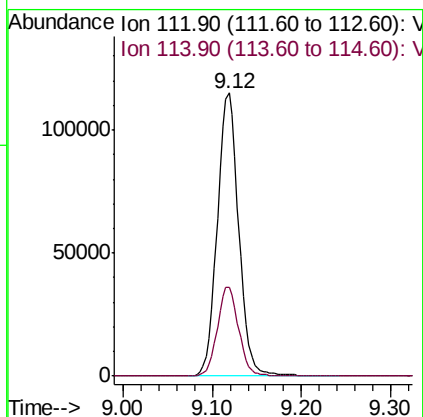
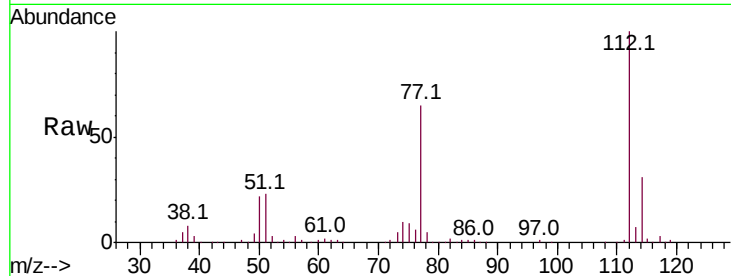




#65
Chlorobenzene
Concen: 49.133 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

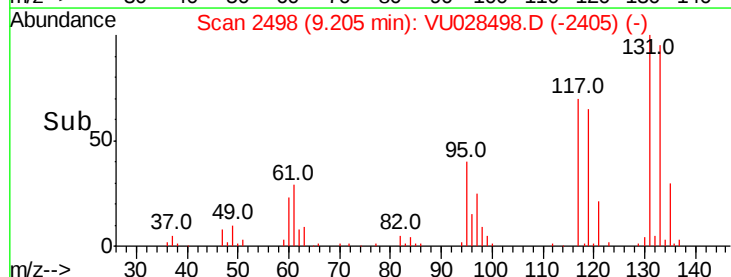
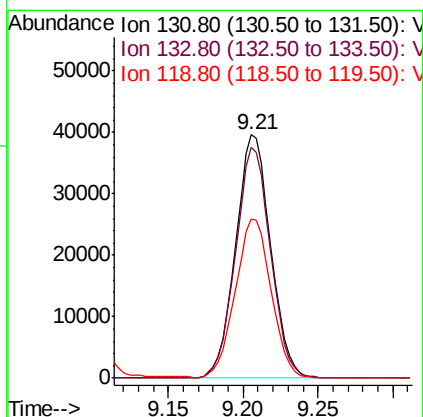
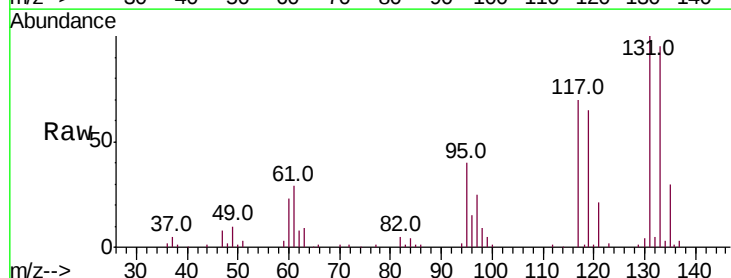
Instrument :
MSVOA_U
ClientSampled :

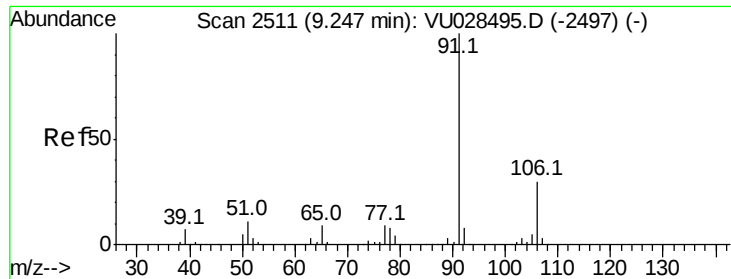
Tot Ion:112 Resp: 190969
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.020 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:131 Resp: 64566
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 67.1 34.6 103.9

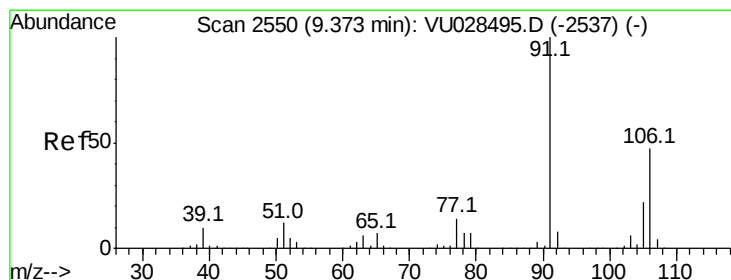
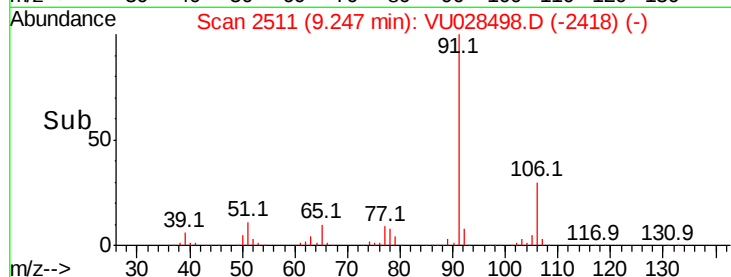
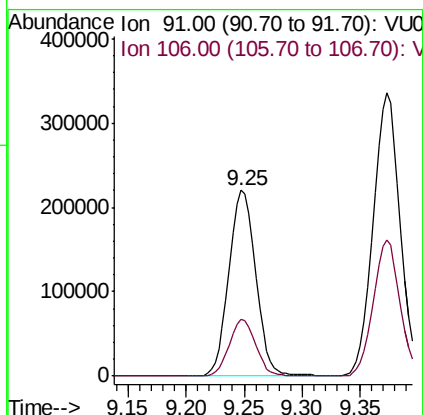
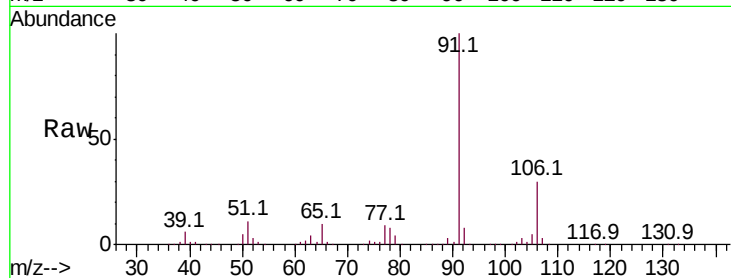




#67
Ethyl Benzene
Concen: 49.577 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

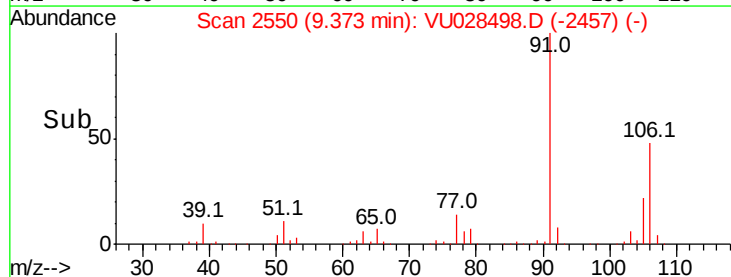
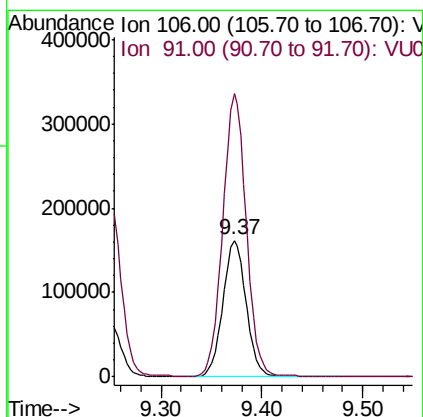
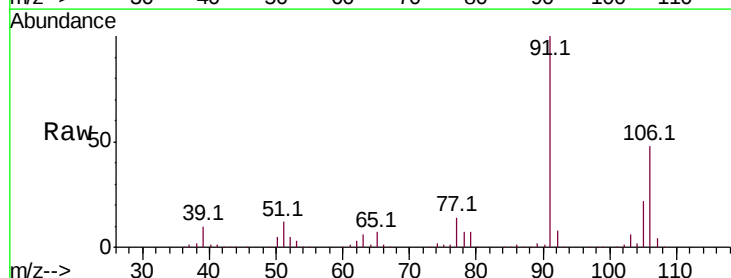
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 354232
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1



#68
m/p-Xylenes
Concen: 100.829 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 106 Resp: 262149
Ion Ratio Lower Upper
106 100
91 209.2 167.4 251.0

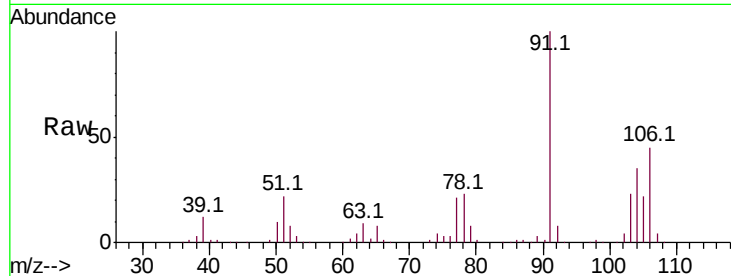




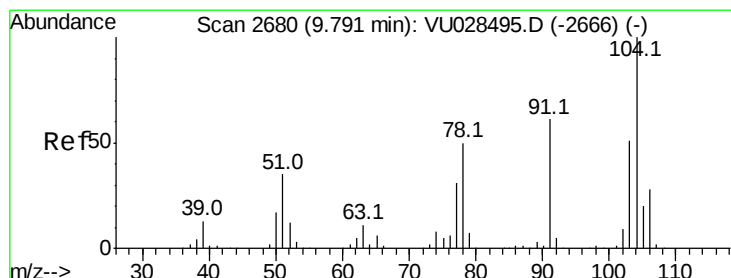
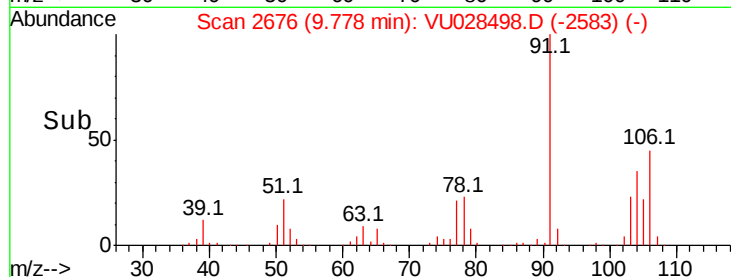
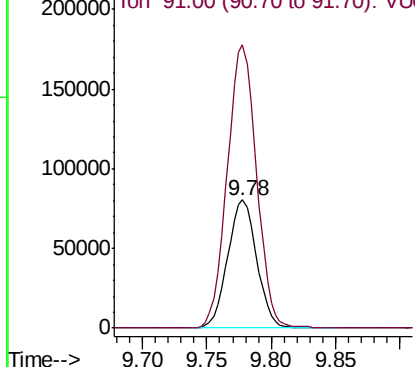
#69
o-Xylene
Concen: 49.994 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 126315
Ion Ratio Lower Upper
106 100
91 222.2 111.3 334.0

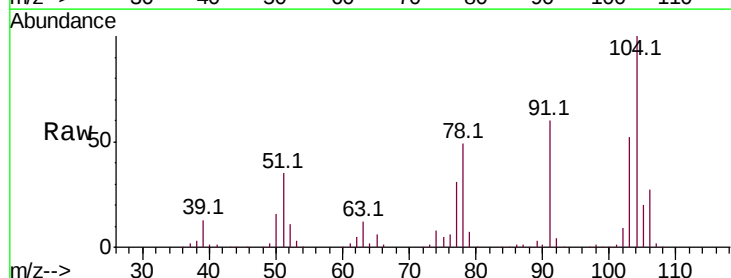


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

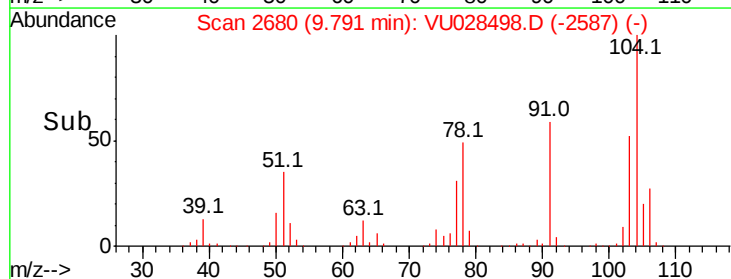
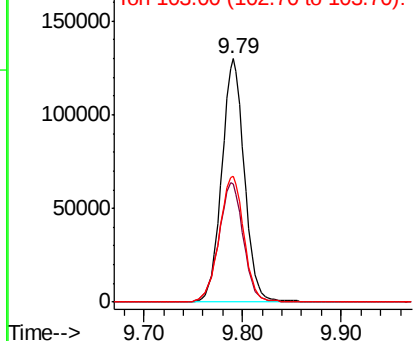


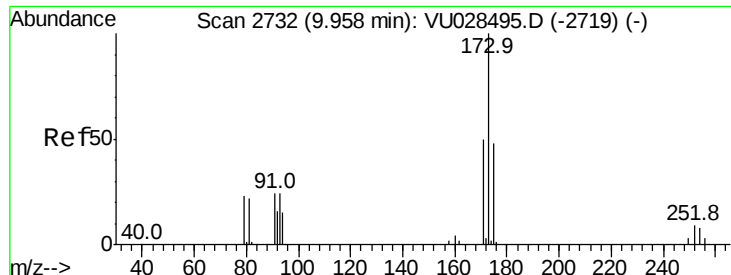
#70
Styrene
Concen: 50.082 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:104 Resp: 209410
Ion Ratio Lower Upper
104 100
78 53.1 43.0 64.6
103 56.2 44.2 66.4



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





#71

Bromoform

Concen: 51.628 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampled :

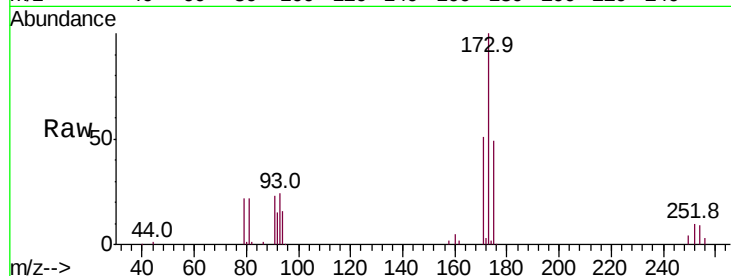
Tot Ion:173 Resp: 54512

Ion Ratio Lower Upper

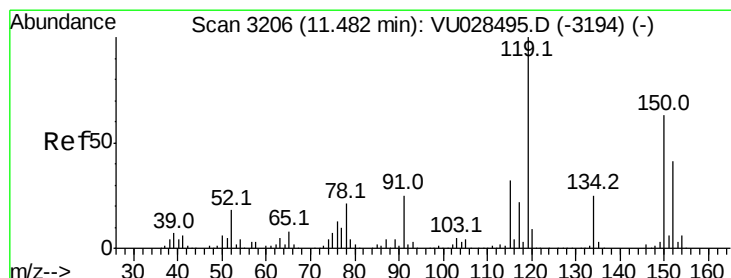
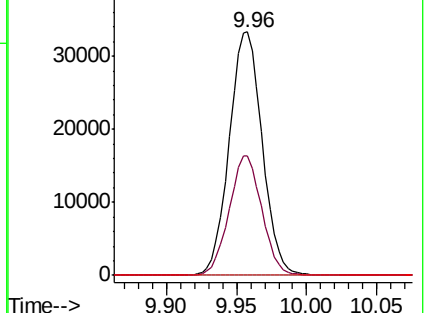
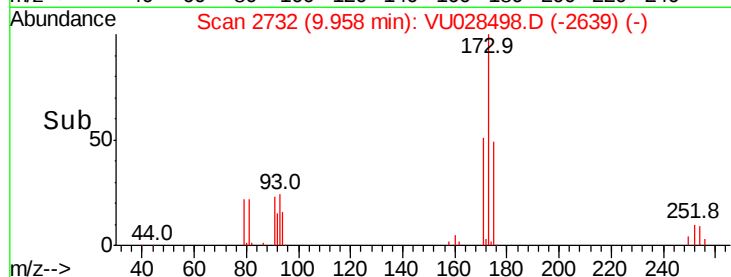
173 100

175 48.5 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

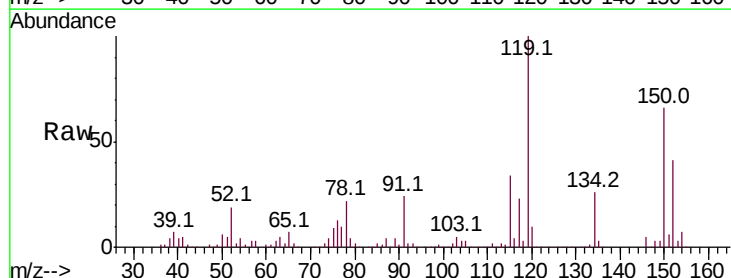
Tgt Ion:152 Resp: 88072

Ion Ratio Lower Upper

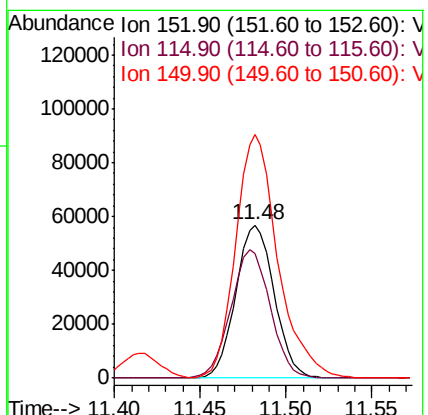
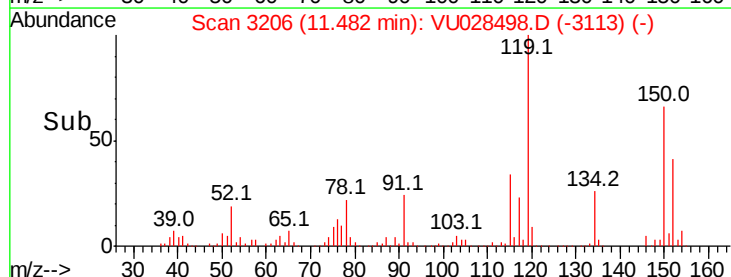
152 100

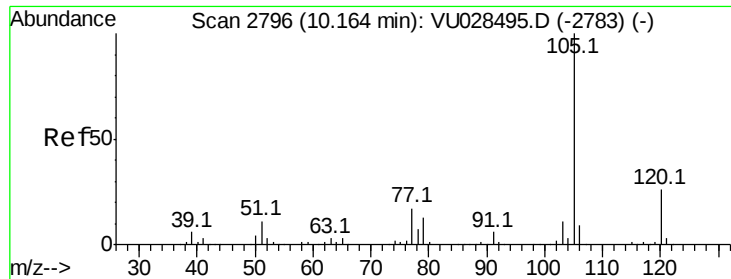
115 86.3 42.7 128.1

150 174.4 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.567 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

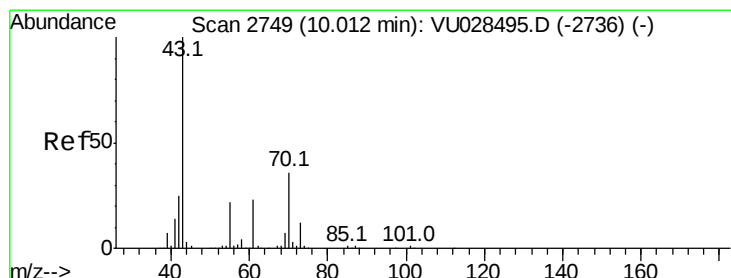
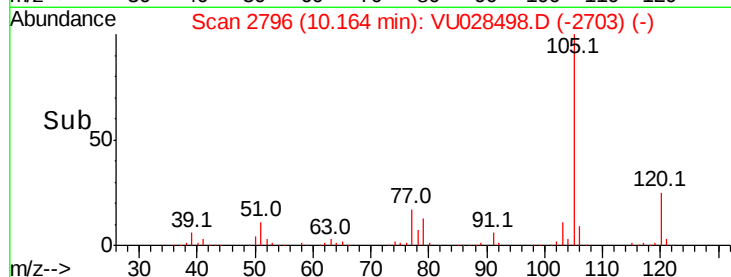
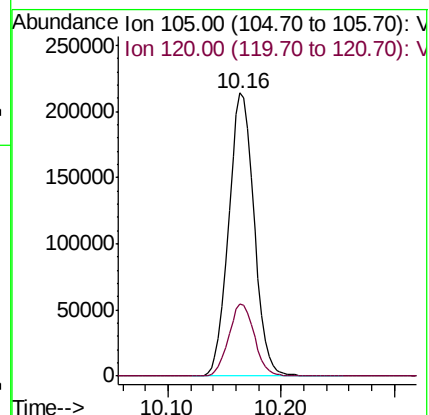
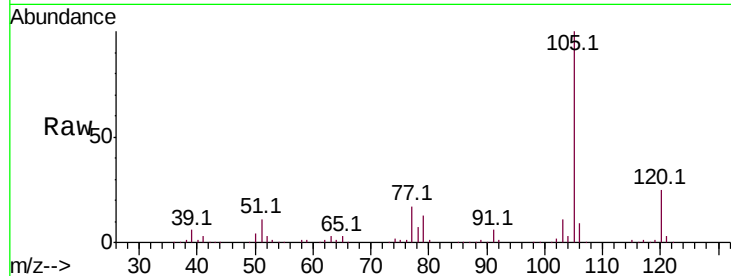
ClientSampleId :

Tot Ion:105 Resp: 334978

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6



#74

N-ethyl acetate

Concen: 49.762 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Tgt Ion: 43 Resp: 193983

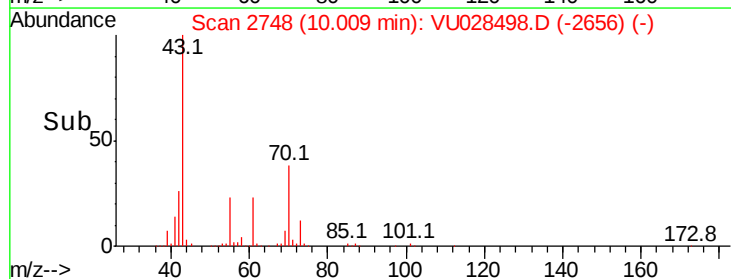
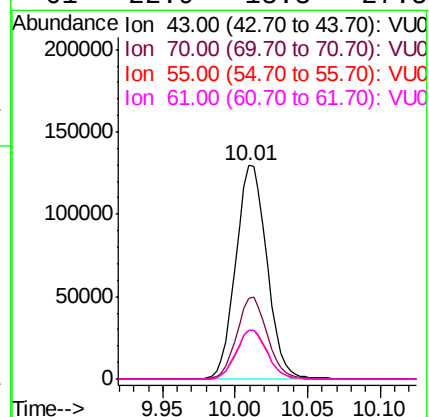
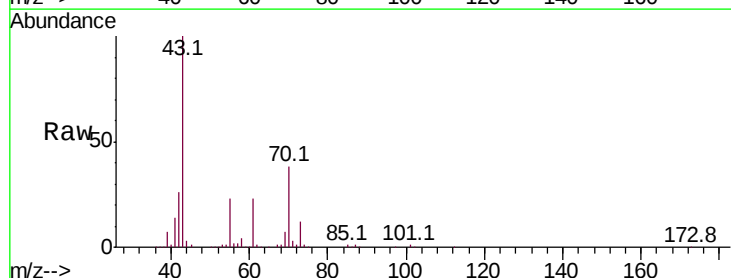
Ion Ratio Lower Upper

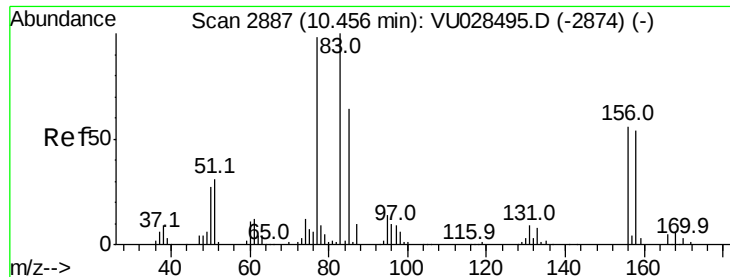
43 100

70 37.5 29.3 43.9

55 22.6 18.0 27.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.539 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

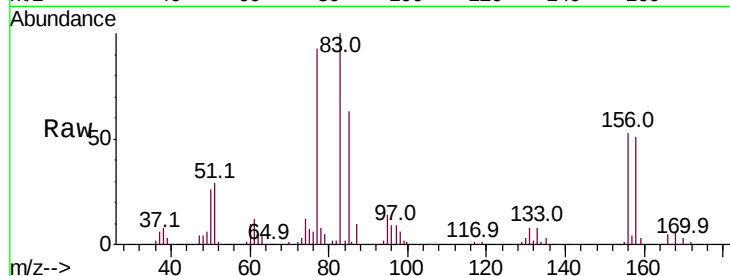
Tot Ion: 83 Resp: 131203

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

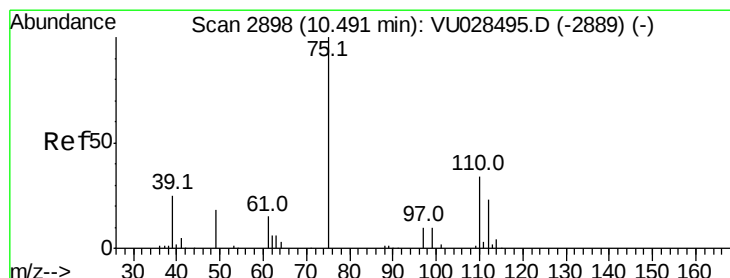
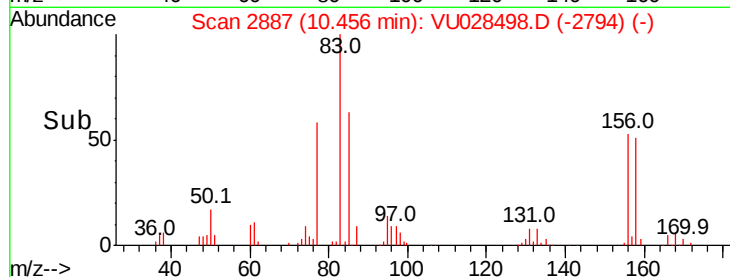
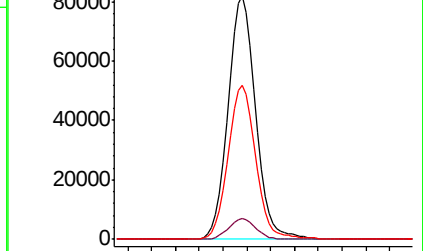
85 63.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028498.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028498.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028498.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 70.410 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028498.D

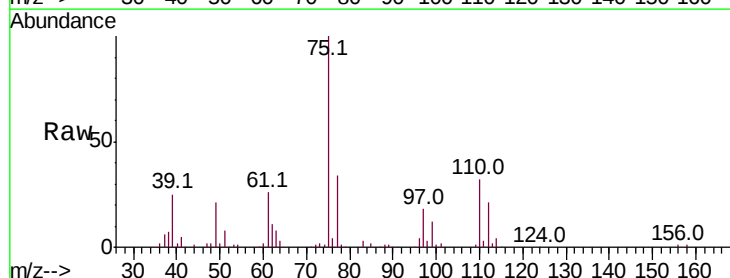
Acq: 06 Dec 2018 13:48

Tgt Ion: 75 Resp: 158347

Ion Ratio Lower Upper

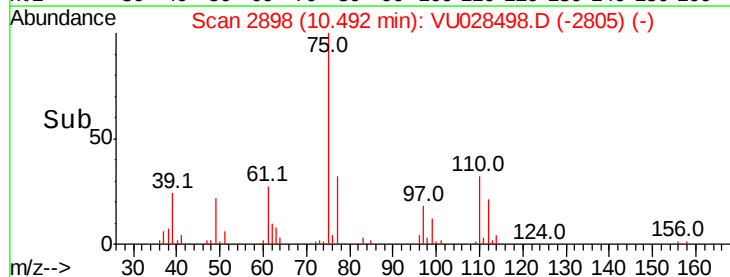
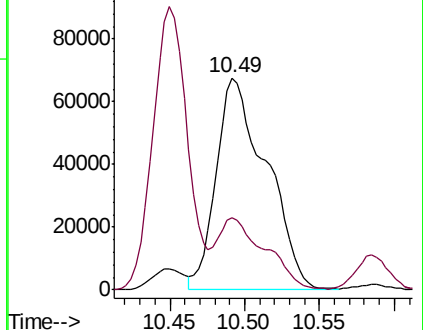
75 100

77 30.9 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028498.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028498.D (-2889) (-)





#77

Bromobenzene

Concen: 49.997 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampled :

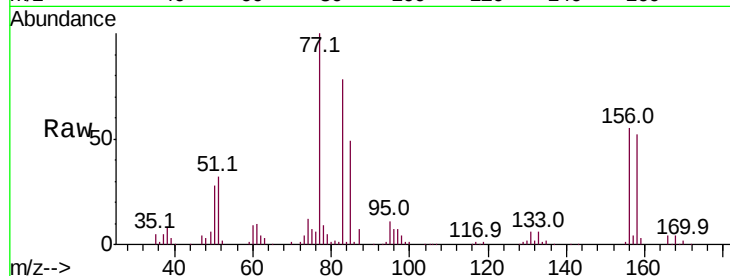
Tot Ion:156 Resp: 79022

Ion Ratio Lower Upper

156 100

77 183.2 92.4 277.2

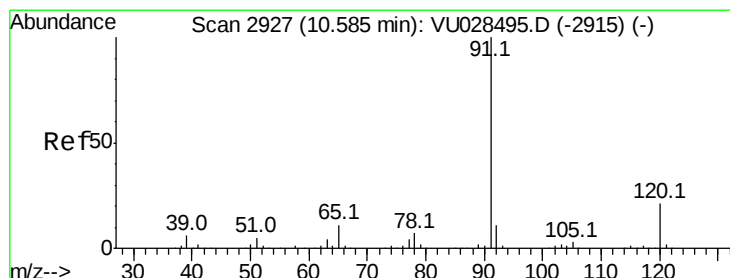
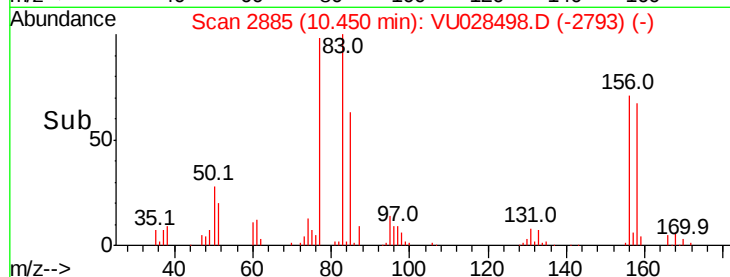
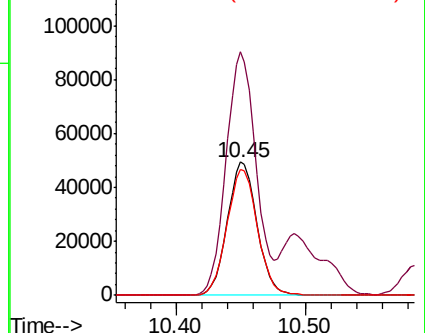
158 96.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.348 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028498.D

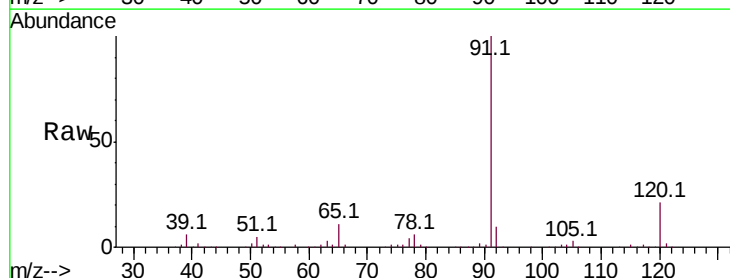
Acq: 06 Dec 2018 13:48

Tgt Ion: 91 Resp: 422800

Ion Ratio Lower Upper

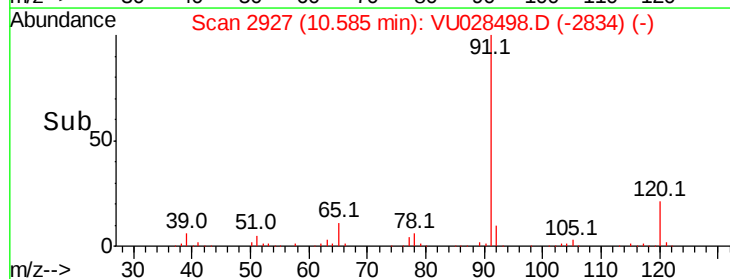
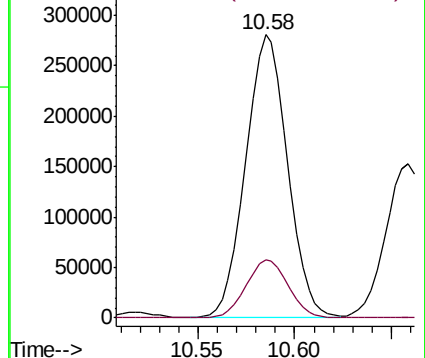
91 100

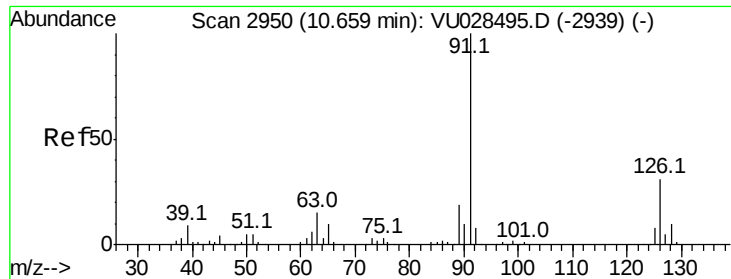
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

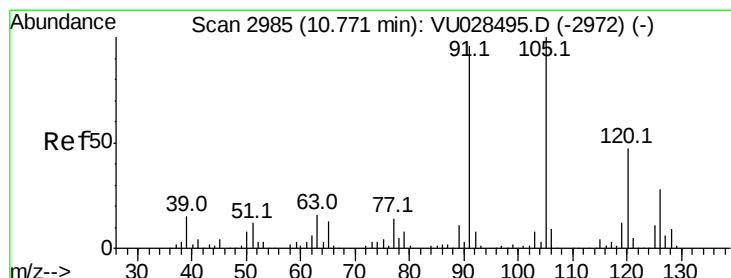
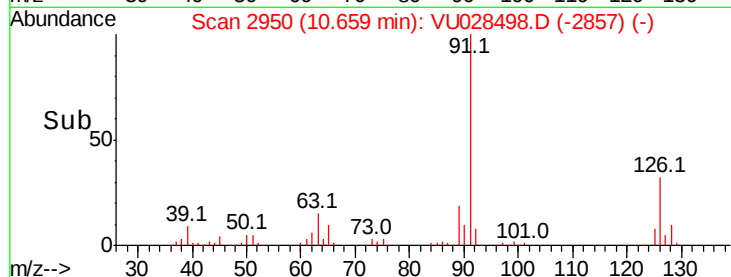
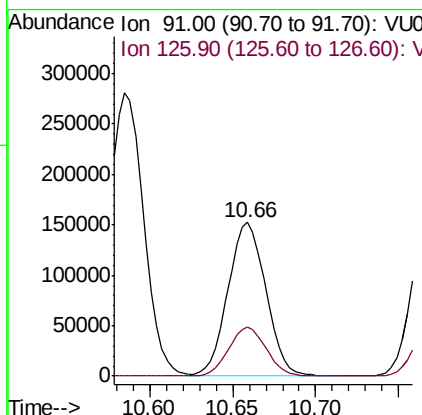
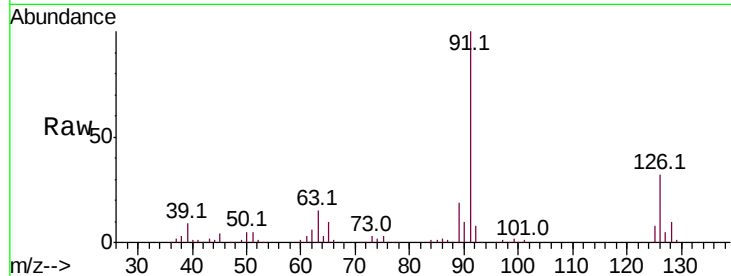




#79
 2-Chlorotoluene
 Concen: 50.359 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

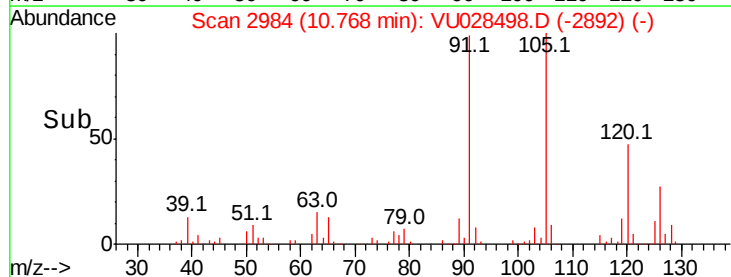
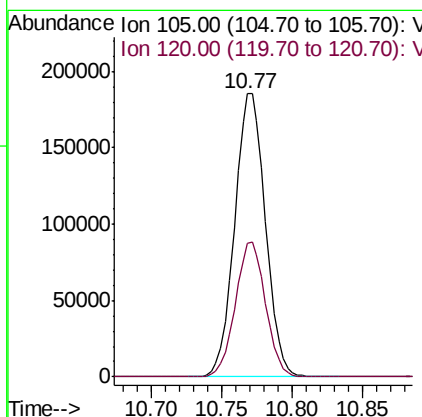
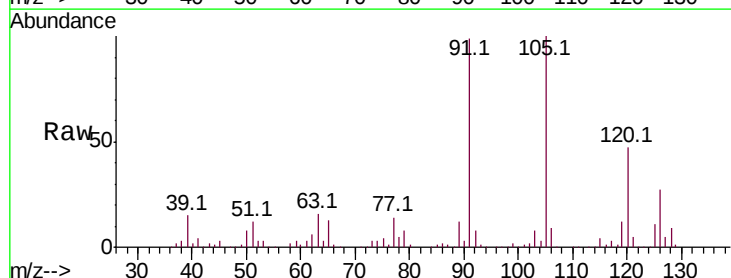
Instrument :
 MSVOA_U
 ClientSampleId :

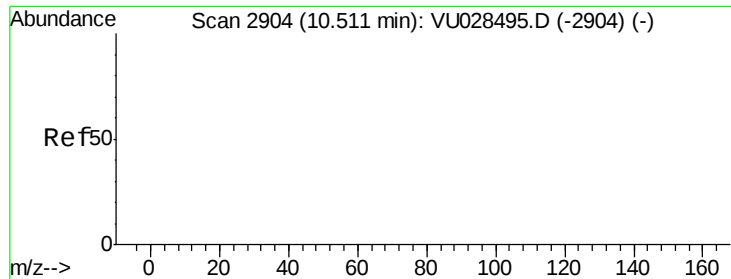
Tot Ion: 91 Resp: 243596
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.525 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 105 Resp: 282641
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 171.825 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

ClientSampleId :

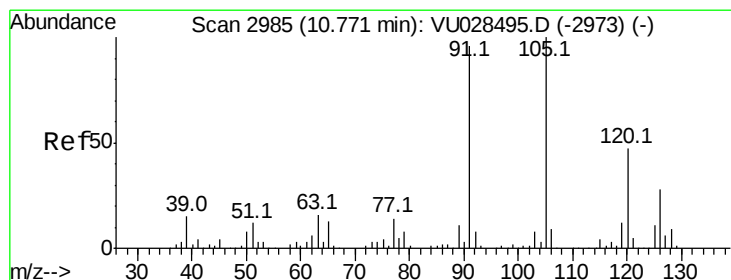
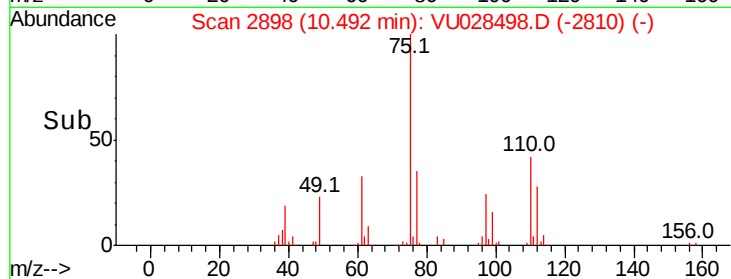
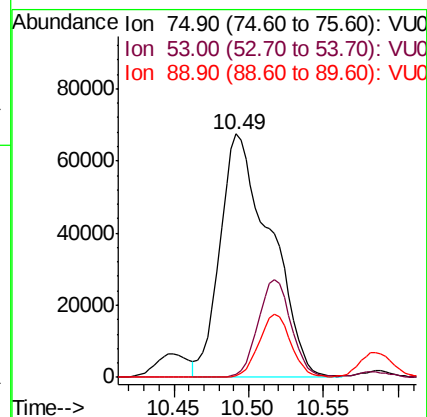
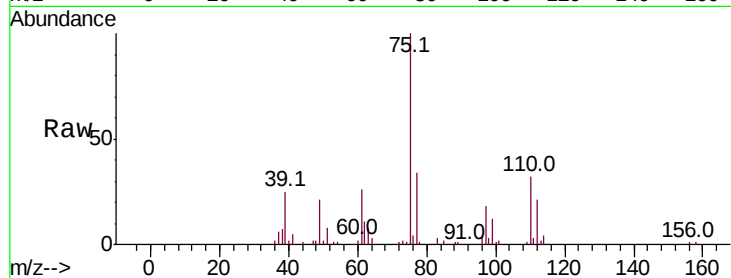
Tot Ion: 75 Resp: 158347

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 49.241 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028498.D

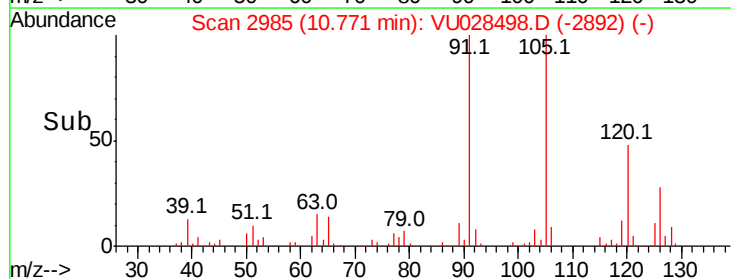
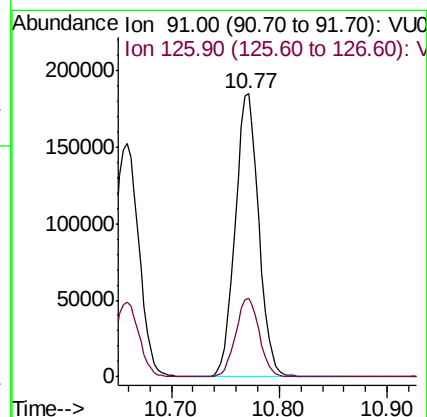
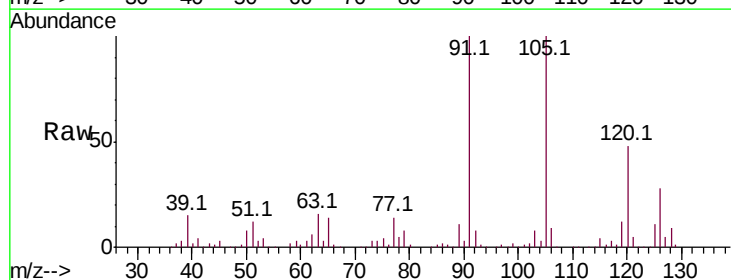
Acq: 06 Dec 2018 13:48

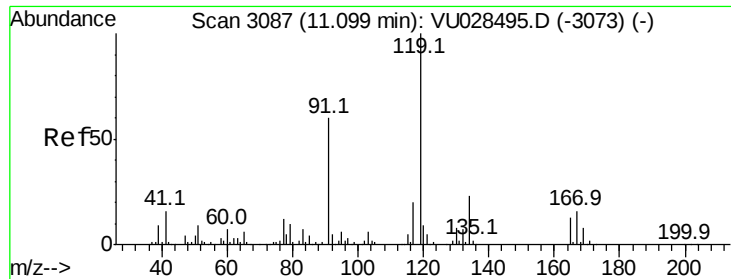
Tgt Ion: 91 Resp: 282253

Ion Ratio Lower Upper

91 100

126 28.0 14.1 42.3

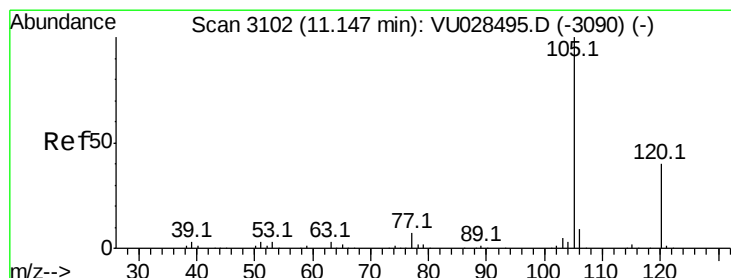
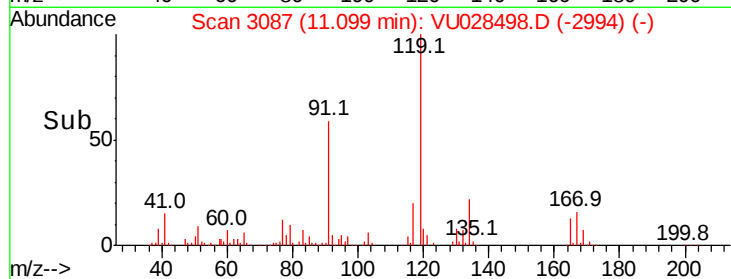
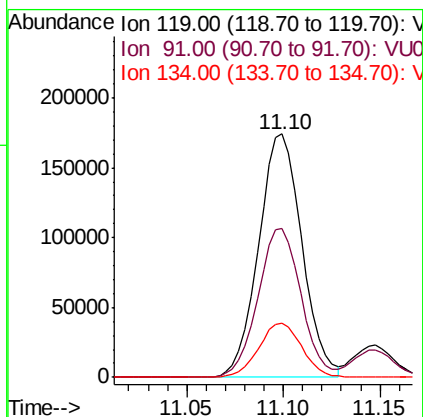
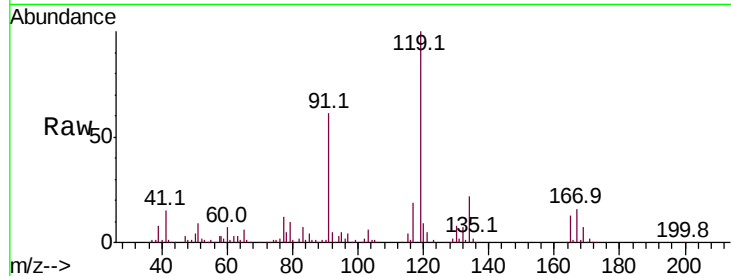




#83
tert-Butylbenzene
Concen: 50.421 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

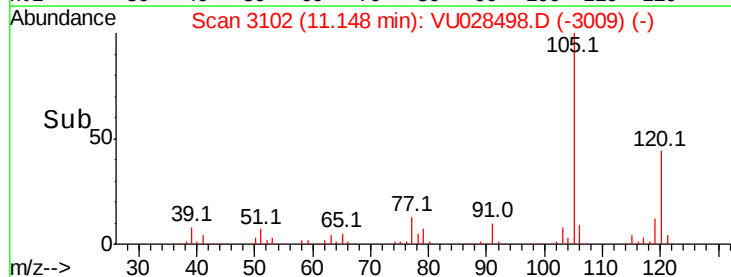
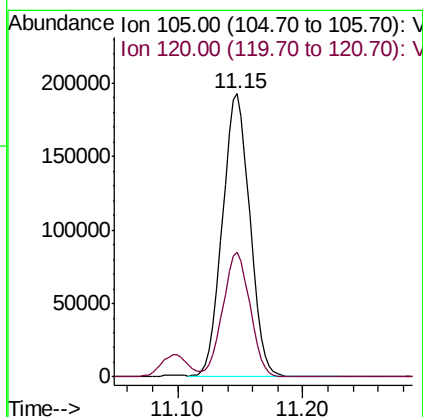
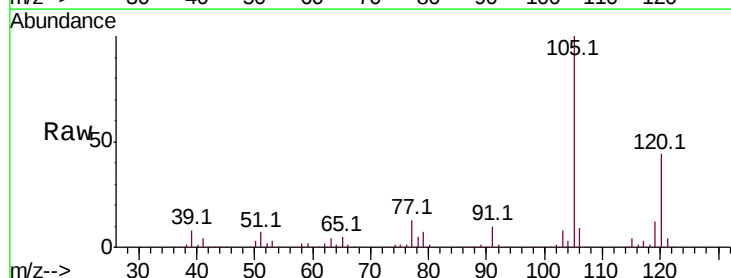
Instrument :
MSVOA_U
ClientSampled :

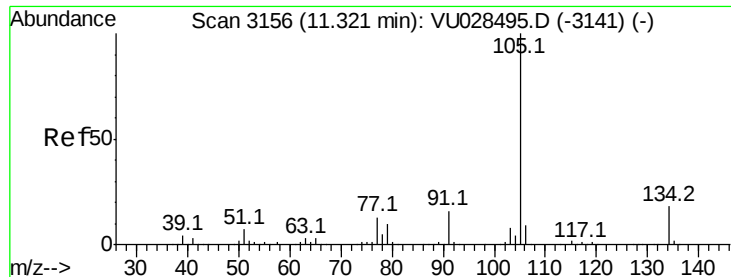
Tot Ion:119 Resp: 271869
Ion Ratio Lower Upper
119 100
91 60.8 30.3 91.0
134 22.2 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.714 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:105 Resp: 292378
Ion Ratio Lower Upper
105 100
120 43.6 21.8 65.4





#85

sec-Butylbenzene

Concen: 50.060 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

Instrument :

MSVOA_U

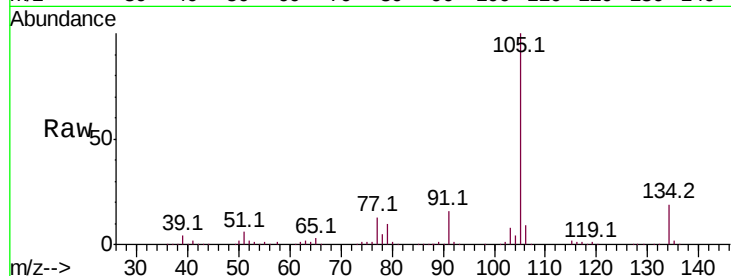
ClientSampled :

Tot Ion:105 Resp: 346759

Ion Ratio Lower Upper

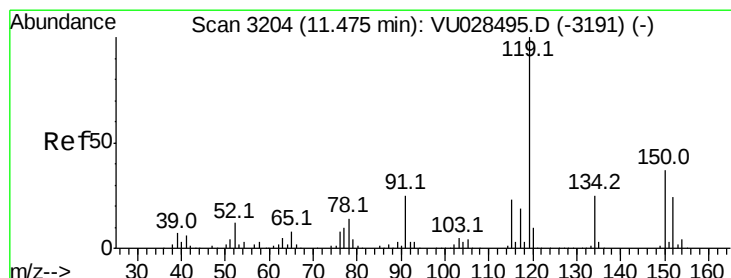
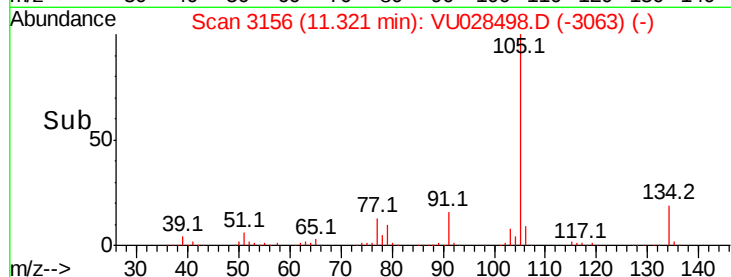
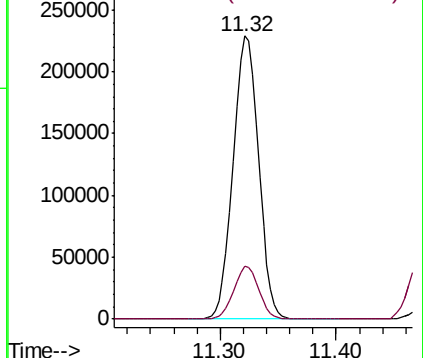
105 100

134 18.3 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.782 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028498.D

Acq: 06 Dec 2018 13:48

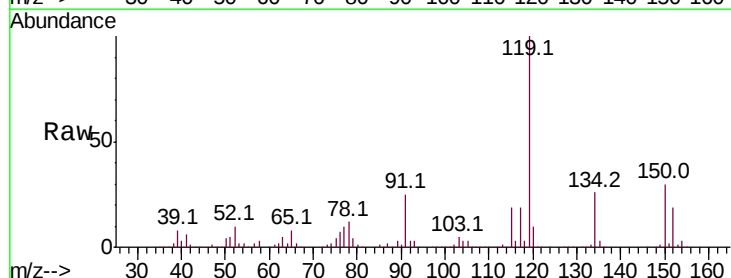
Tgt Ion:119 Resp: 292927

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

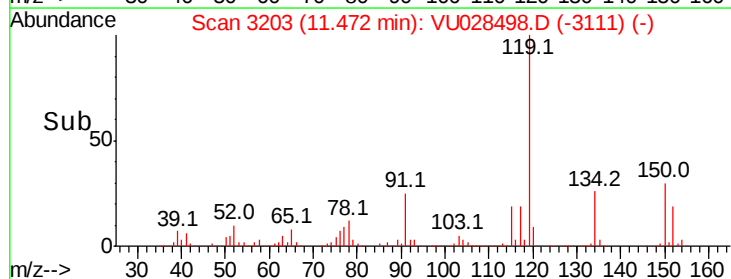
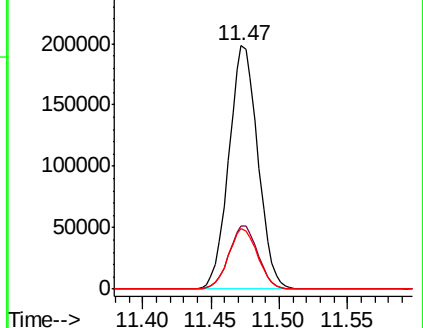
91 24.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

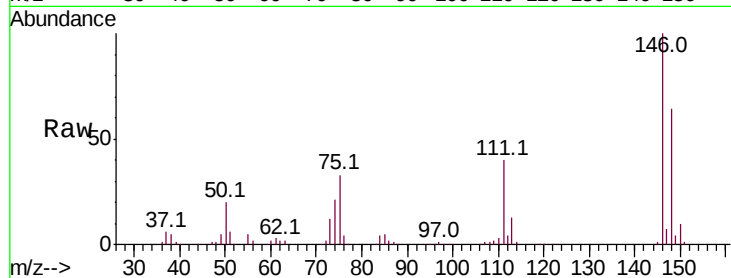




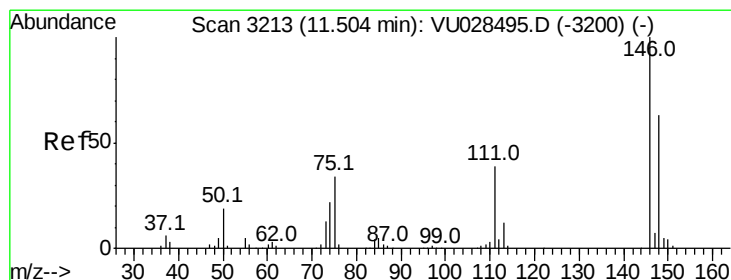
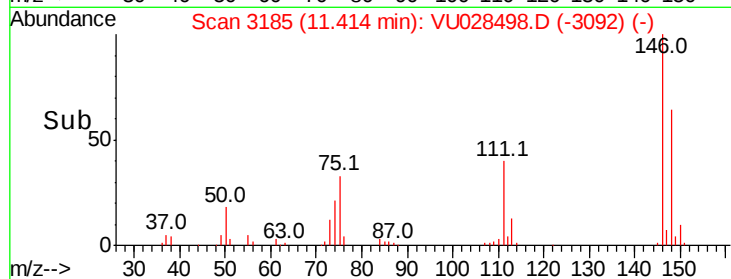
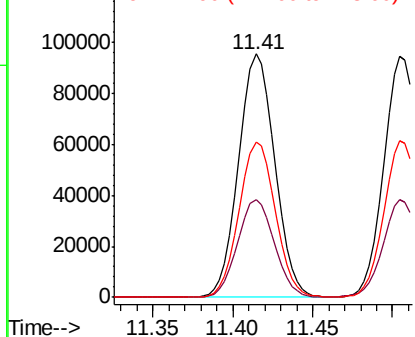
#87
 1,3-Dichlorobenzene
 Concen: 49.492 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 147708
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.7 62.1
 148 63.9 31.9 95.7

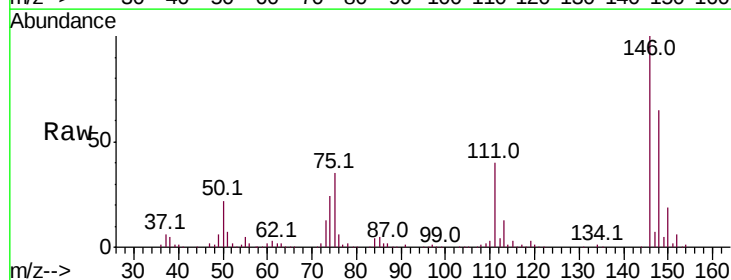


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

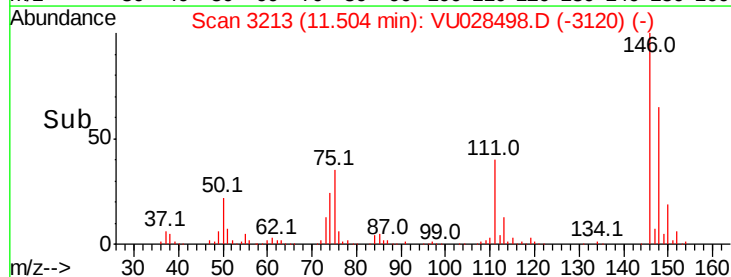
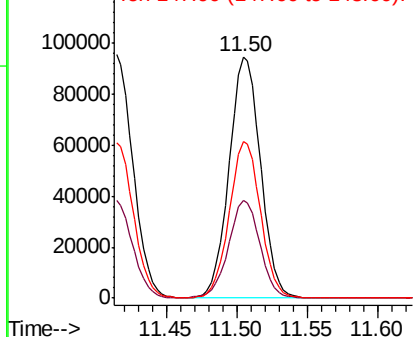


#88
 1,4-Dichlorobenzene
 Concen: 47.684 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion:146 Resp: 147239
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.2 60.5
 148 64.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

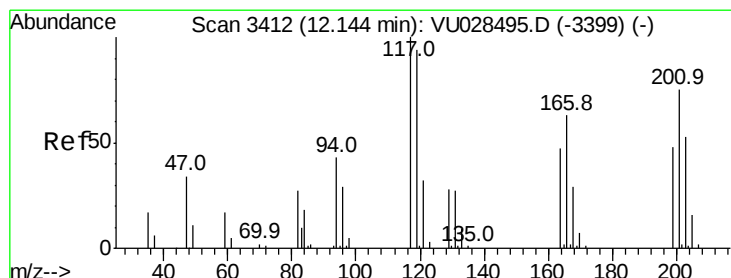
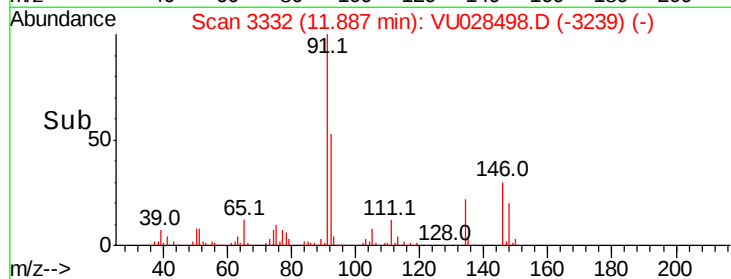
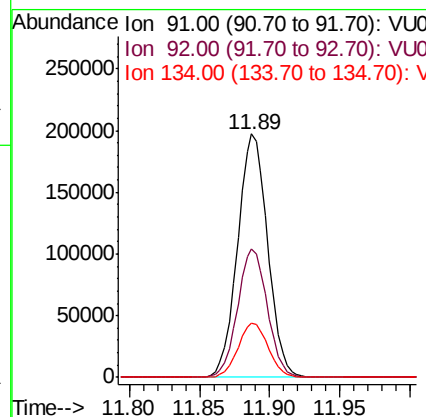
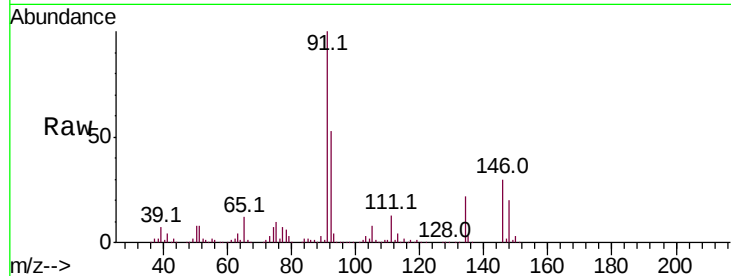




#89
n-Butylbenzene
Concen: 49.453 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

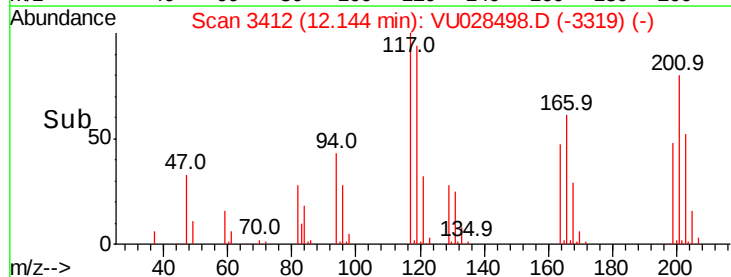
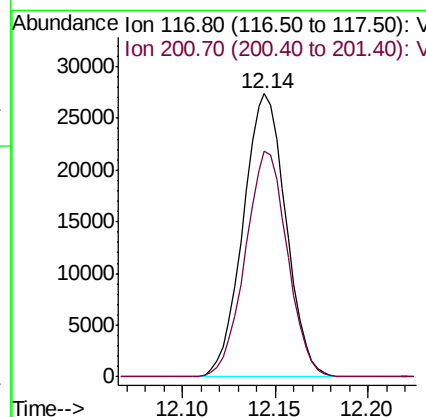
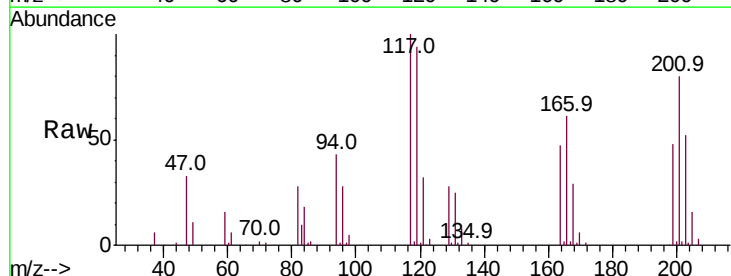
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 294498
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 22.4 11.3 33.8



#90
Hexachloroethane
Concen: 49.415 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion: 117 Resp: 43949
Ion Ratio Lower Upper
117 100
201 78.5 38.1 114.5

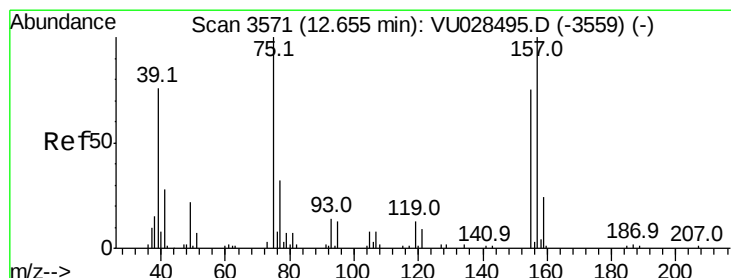
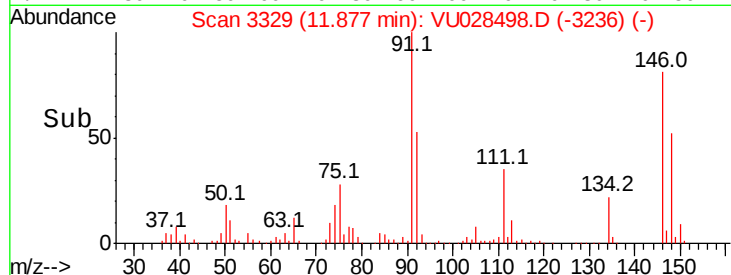
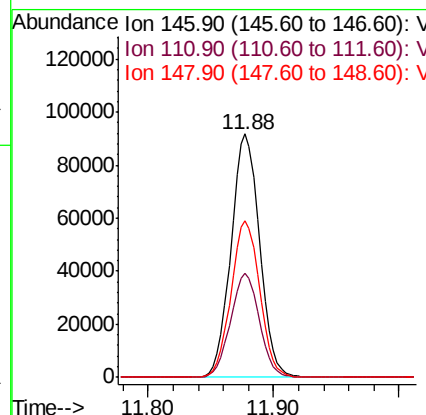
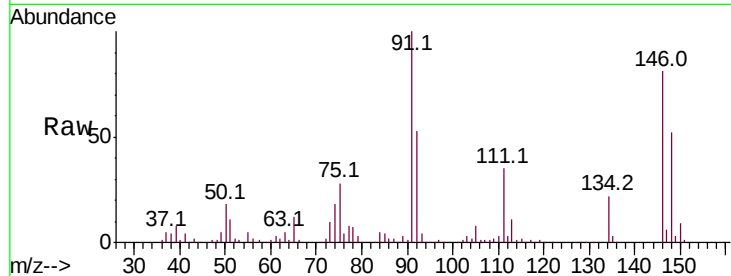




#91
 1,2-Dichlorobenzene
 Concen: 48.568 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

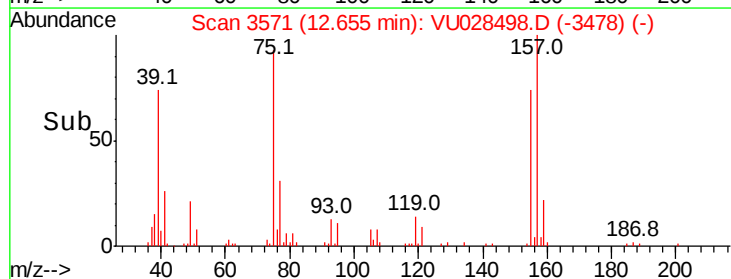
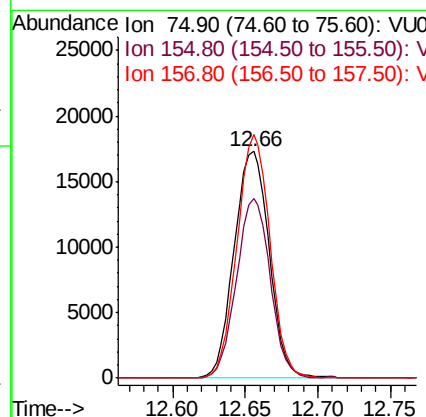
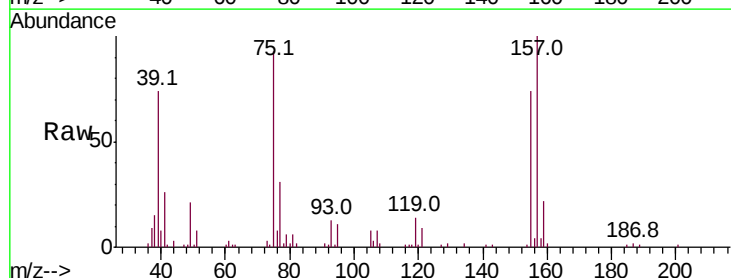
Instrument :
 MSVOA_U
 ClientSampleId :

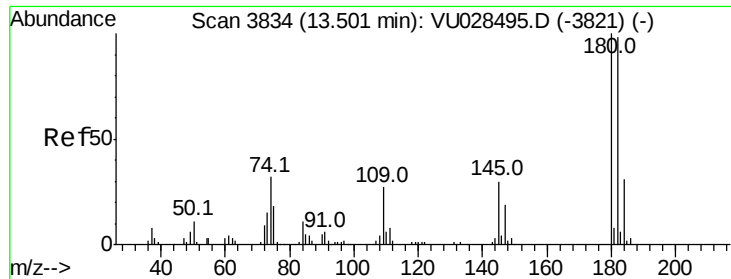
Tot Ion:146 Resp: 144990
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.4
 148 64.5 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.935 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion: 75 Resp: 29190
 Ion Ratio Lower Upper
 75 100
 155 75.8 38.1 114.5
 157 100.5 48.7 146.1

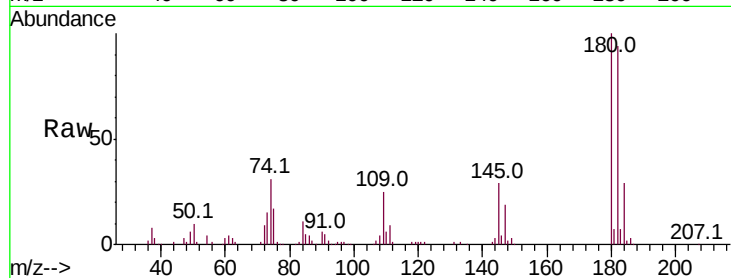




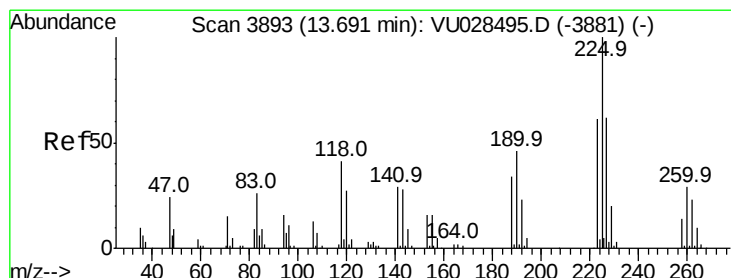
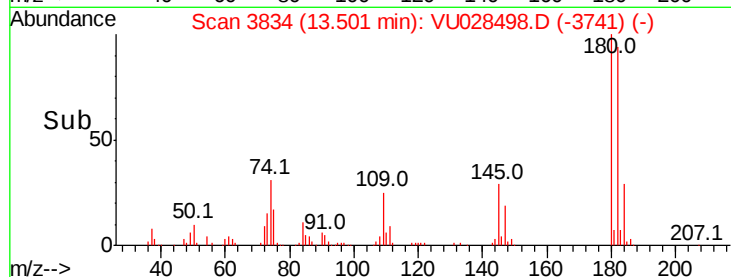
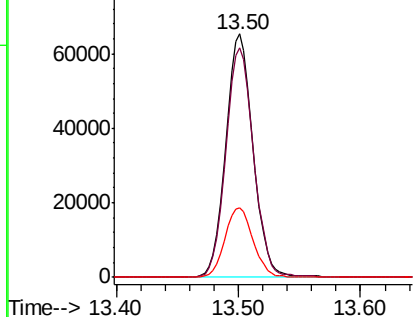
#93
 1,2,4-Trichlorobenzene
 Concen: 50.001 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 102571
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.8
 145 29.4 15.0 45.1

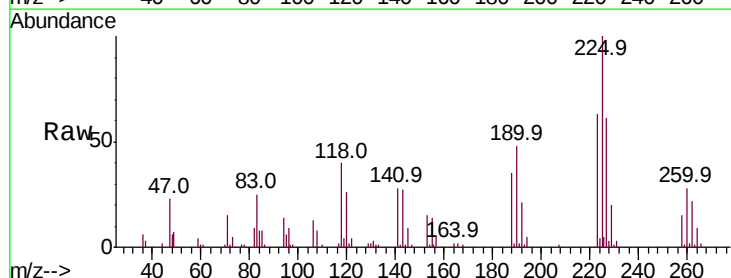


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

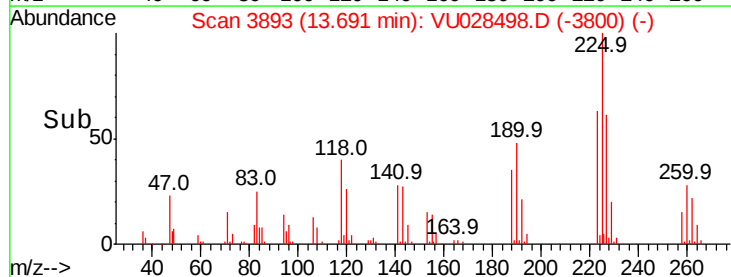
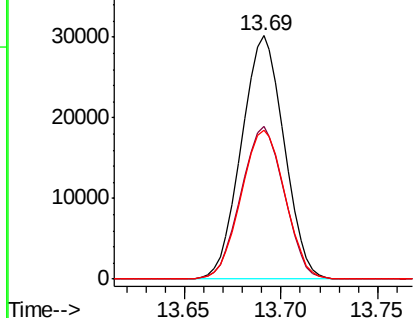


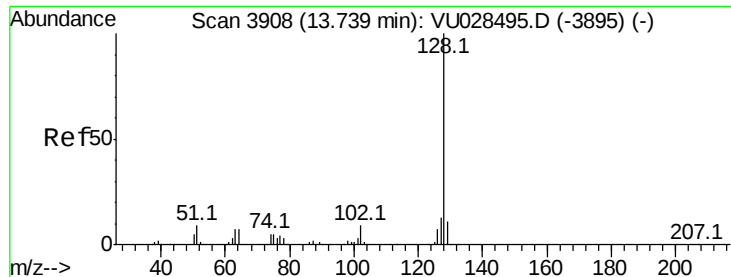
#94
 Hexachlorobutadiene
 Concen: 47.535 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028498.D
 Acq: 06 Dec 2018 13:48

Tgt Ion:225 Resp: 46484
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.4 91.2
 227 63.0 30.7 92.1



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

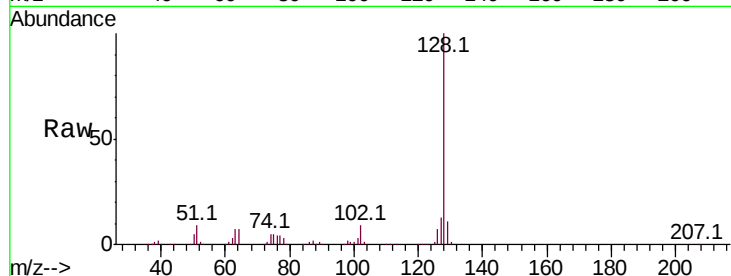




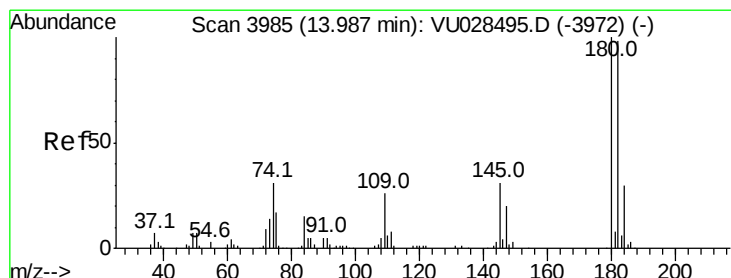
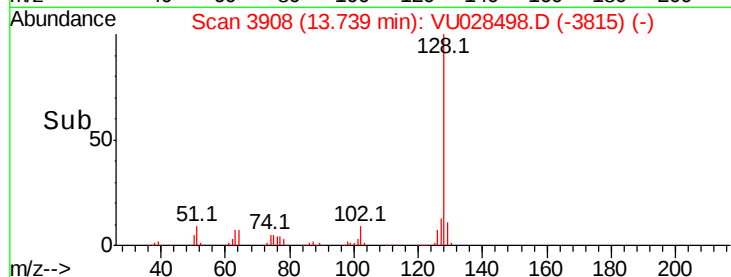
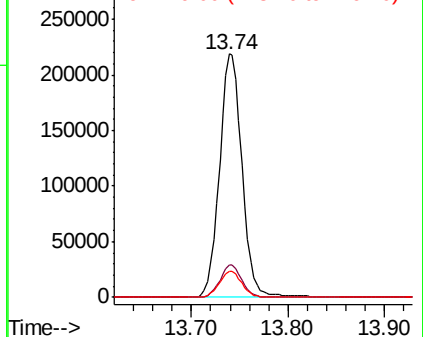
#95
Naphthalene
Concen: 49.189 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 352368
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.6 8.6 13.0

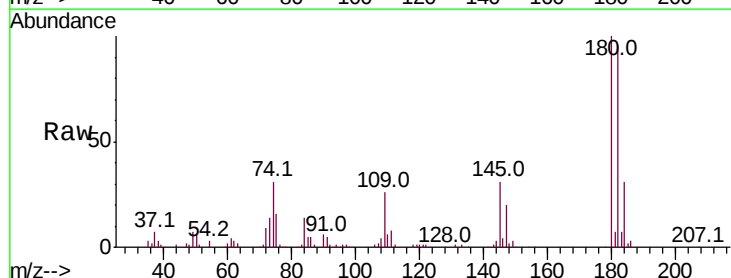


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.509 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028498.D
Acq: 06 Dec 2018 13:48

Tgt Ion:180 Resp: 103126
Ion Ratio Lower Upper
180 100
182 95.4 48.2 144.6
145 30.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

