

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028479.D
 Acq On : 05 Dec 2018 14:48
 Operator : MD/SY
 Sample : J6202-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SAMPLE-1

Quant Time: Dec 06 01:34:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

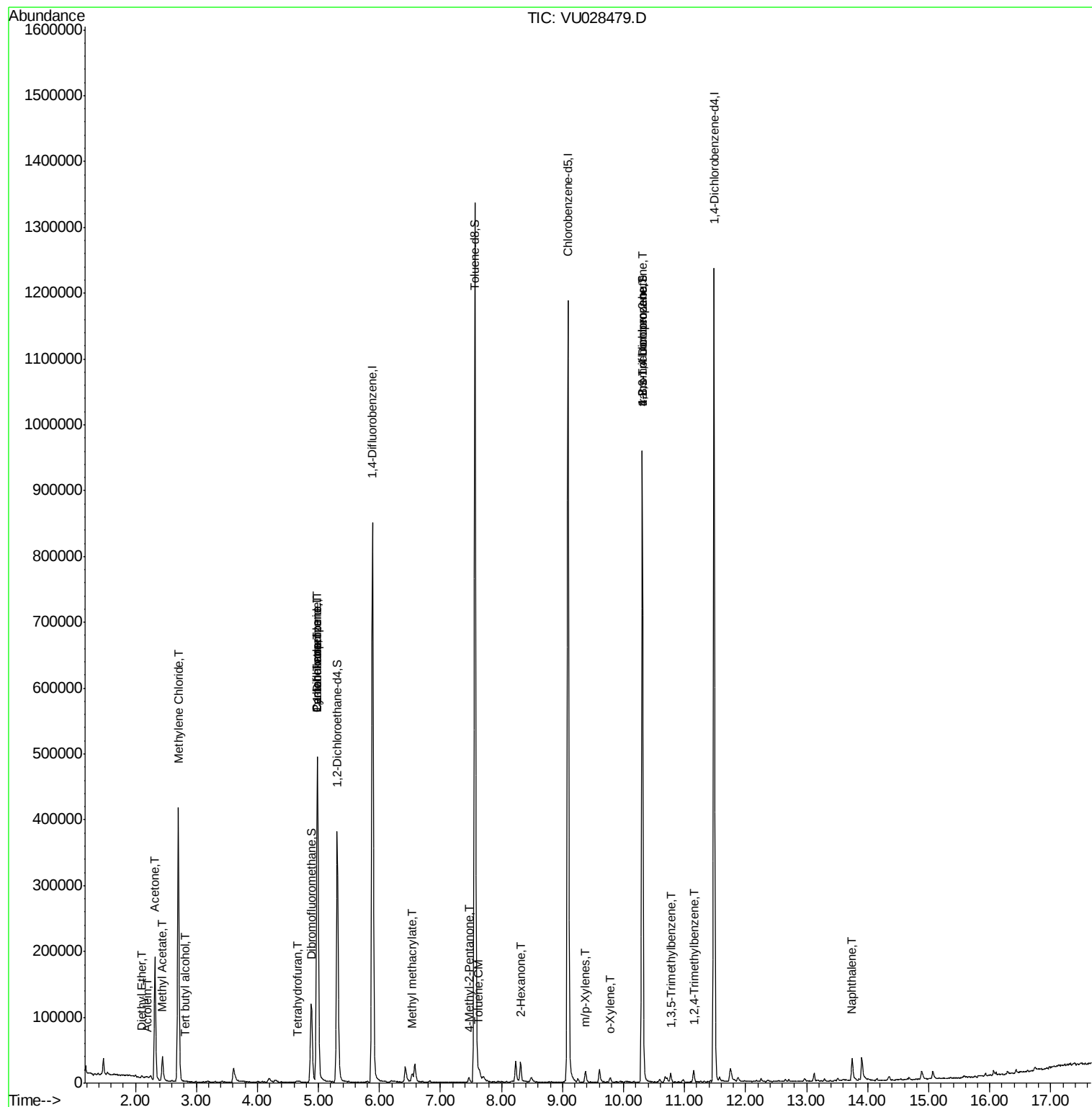
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	375680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	703634	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	655688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	305591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	296529	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	4.88	113	84877	18.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.28%	
50) Toluene-d8	7.57	98	899540	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	10.30	95	329032	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.11	74	1169	0.354	ug/l	97
11) Tert butyl alcohol	2.82	59	785	0.550	ug/l #	72
13) Acrolein	2.20	56	309	0.244	ug/l #	1
16) Acetone	2.32	43	195334	50.858	ug/l	94
18) Methyl Acetate	2.44	43	9807	0.917	ug/l #	58
20) Methylene Chloride	2.70	84	174695	32.222	ug/l	90
29) Tetrahydrofuran	4.66	42	1739	0.487	ug/l #	60
31) Cyclohexane	4.98	56	8678	0.448	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	31033	4.030	ug/l #	51
38) Carbon Tetrachloride	4.98	117	35836	5.668	ug/l #	16
48) Methyl methacrylate	6.54	41	18175	2.098	ug/l #	24
51) 4-Methyl-2-Pentanone	7.46	43	6232	0.587	ug/l	98
52) Toluene	7.63	92	2907	0.221	ug/l	92
59) 2-Hexanone	8.31	43	26289	3.196	ug/l #	27
68) m/p-Xylenes	9.38	106	4726	0.512	ug/l	90
69) o-Xylene	9.78	106	1885	0.205	ug/l	85
76) 1,2,3-Trichloropropane	10.30	75	165834	19.569	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	7089	0.354	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.30	75	165834	51.946	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	10590	0.522	ug/l	97
95) Naphthalene	13.75	128	31404	3.987	ug/l	97

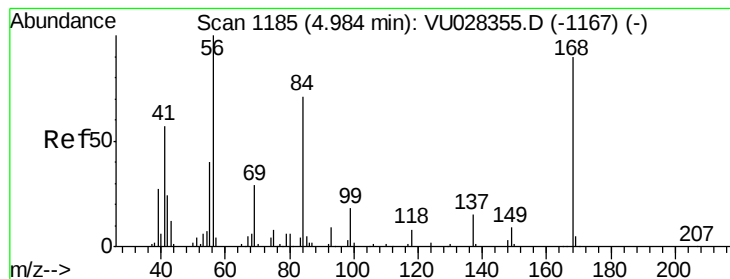
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028479.D

Acq: 05 Dec 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

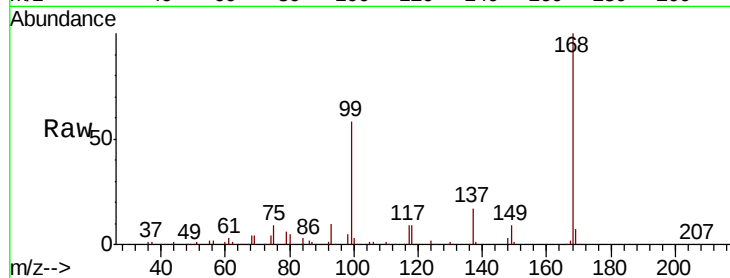
SAMPLE-1

Tot Ion:168 Resp: 375680

Ion Ratio Lower Upper

168 100

99 58.3 49.6 74.4



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

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

4.98

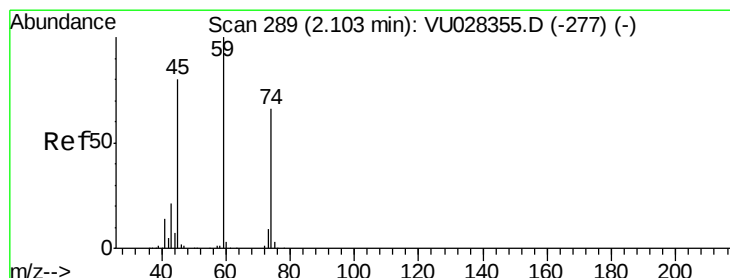
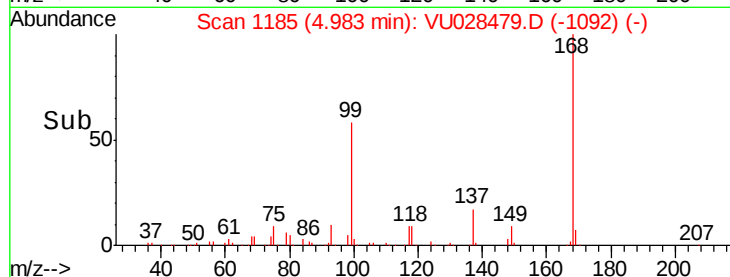
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.354 ug/l

RT: 2.11 min Scan# 291

Delta R.T. 0.01 min

Lab File: VU028479.D

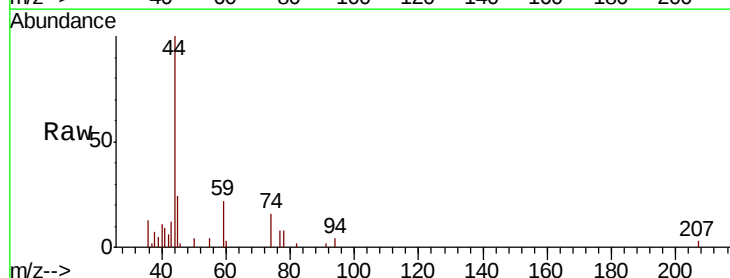
Acq: 05 Dec 2018 14:48

Tgt Ion: 74 Resp: 1169

Ion Ratio Lower Upper

74 100

45 122.2 63.0 189.1



Abundance Ion 74.00 (73.70 to 74.70): VU028355.D (-277) (-)

Ion 45.00 (44.70 to 45.70): VU028355.D (-277) (-)

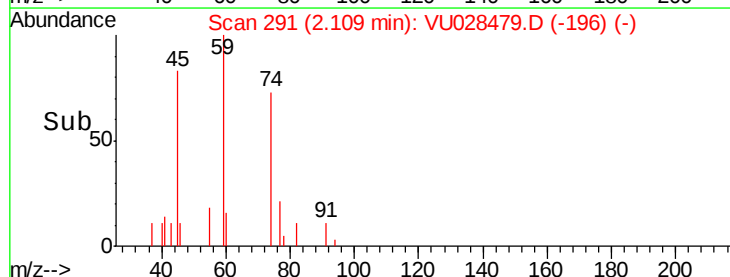
2.11

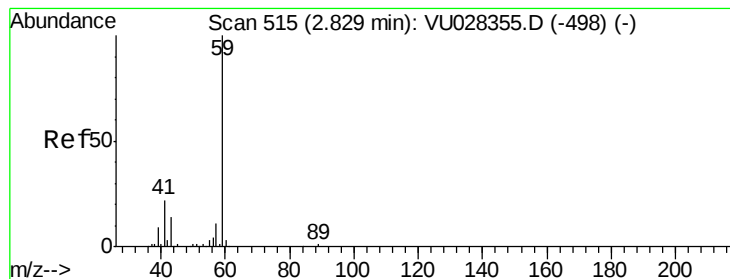
1000

500

0

Time-->



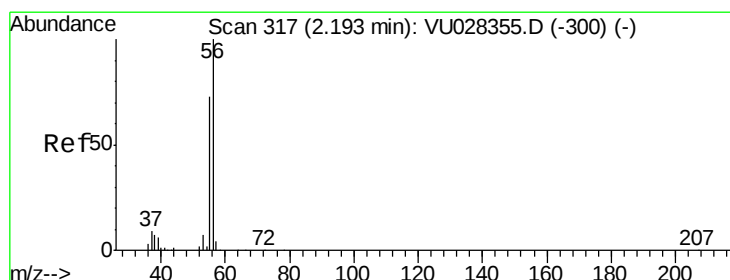
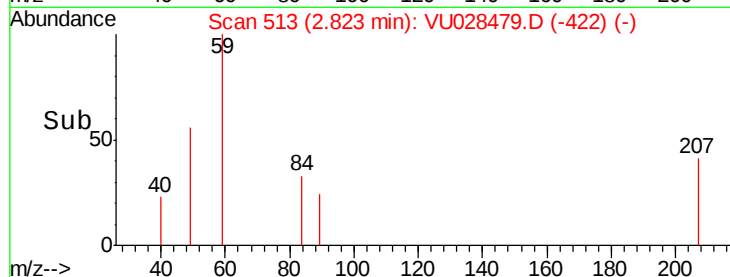
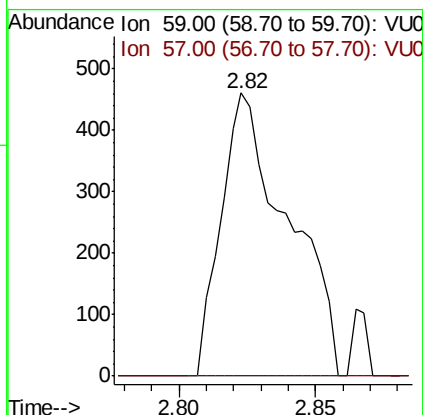
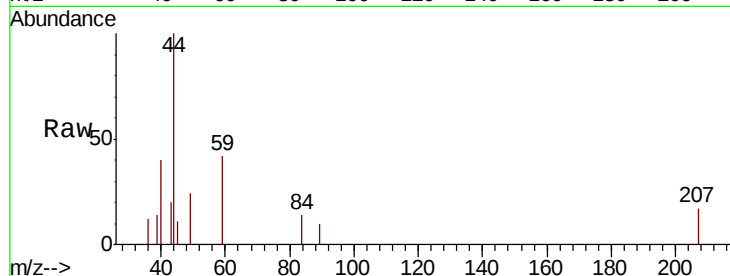


#11

Tert butyl alcohol
 Concen: 0.550 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleID :
 SAMPLE-1

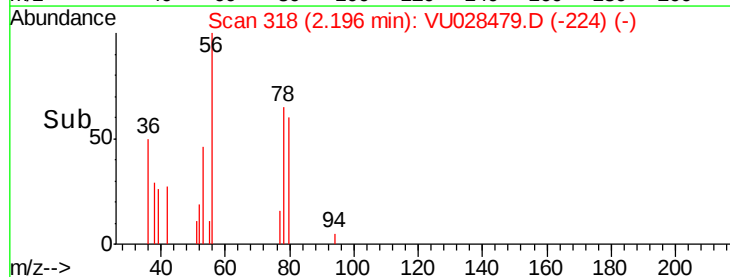
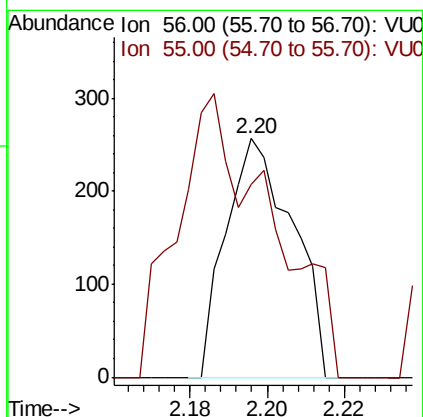
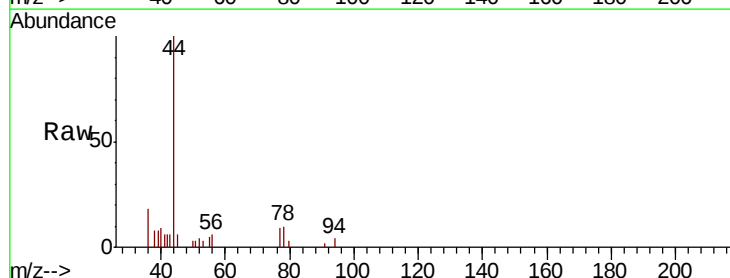
Tot Ion: 59 Resp: 785
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

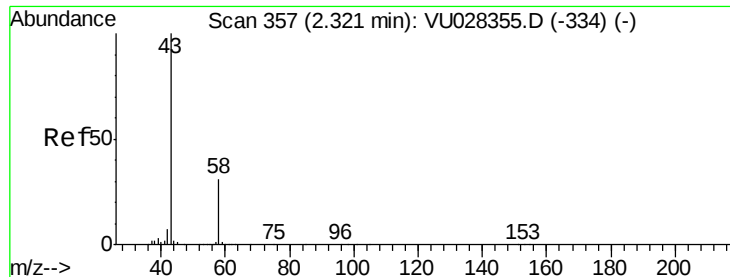


#13

Acrolein
 Concen: 0.244 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Tgt Ion: 56 Resp: 309
 Ion Ratio Lower Upper
 56 100
 55 166.7 56.6 85.0#





#16

Acetone

Concen: 50.858 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028479.D

Acq: 05 Dec 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

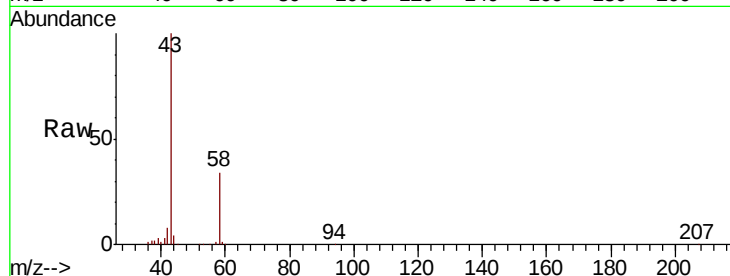
SAMPLE-1

Tot Ion: 43 Resp: 195334

Ion Ratio Lower Upper

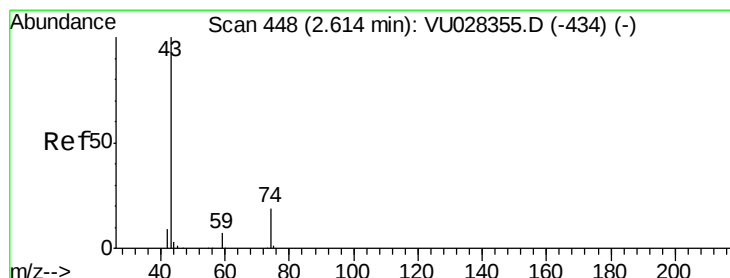
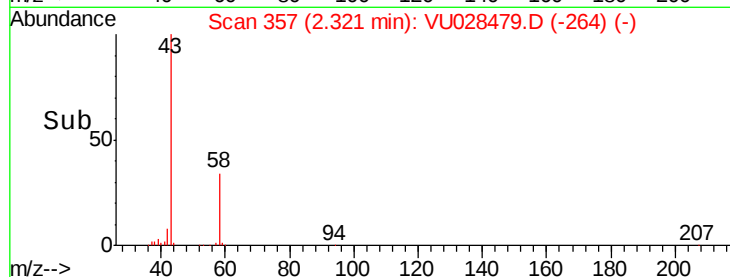
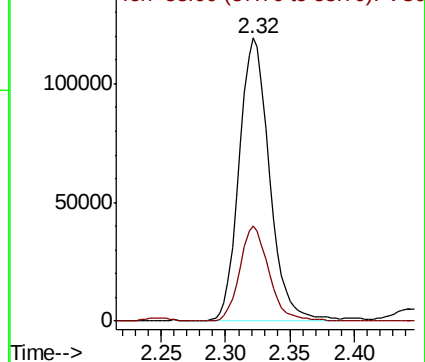
43 100

58 33.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.917 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028479.D

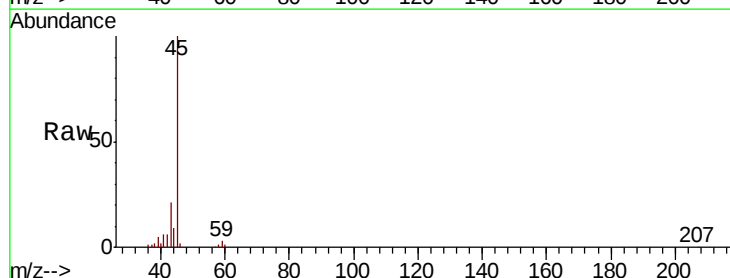
Acq: 05 Dec 2018 14:48

Tgt Ion: 43 Resp: 9807

Ion Ratio Lower Upper

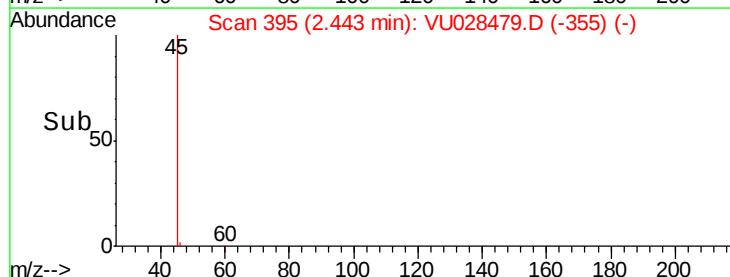
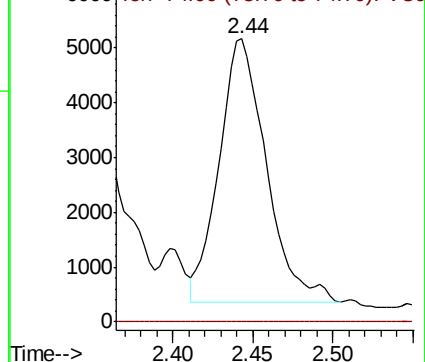
43 100

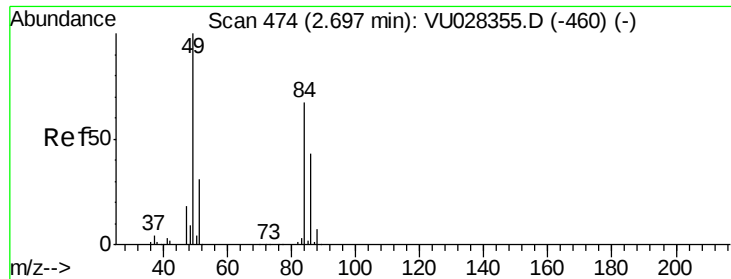
74 0.0 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

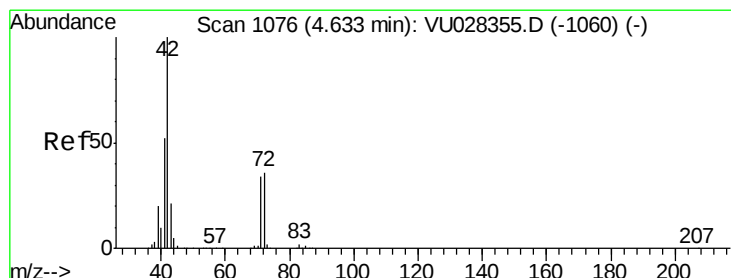
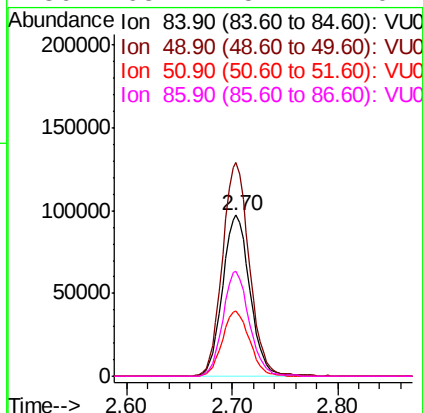
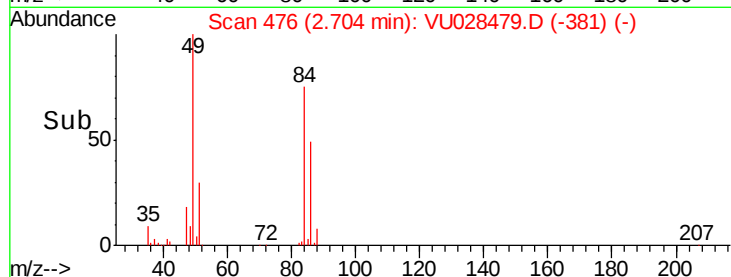
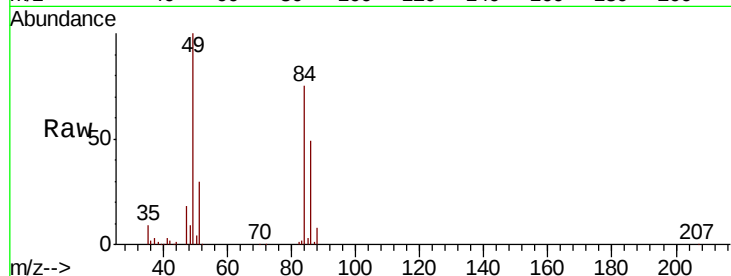




#20
Methvlene Chloride
Concen: 32.222 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

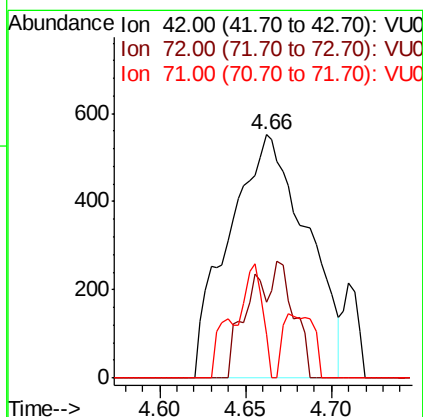
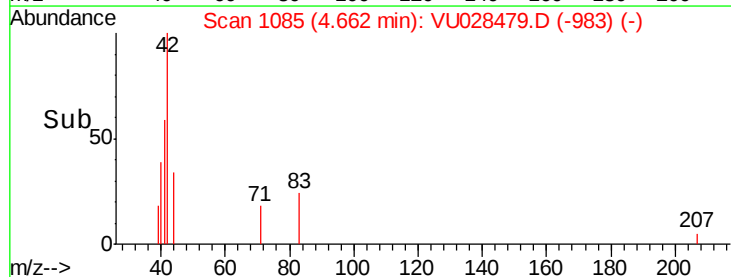
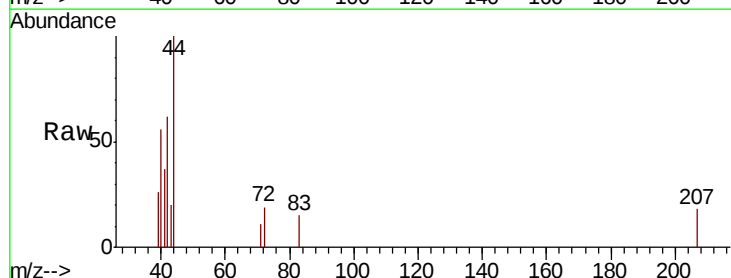
Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

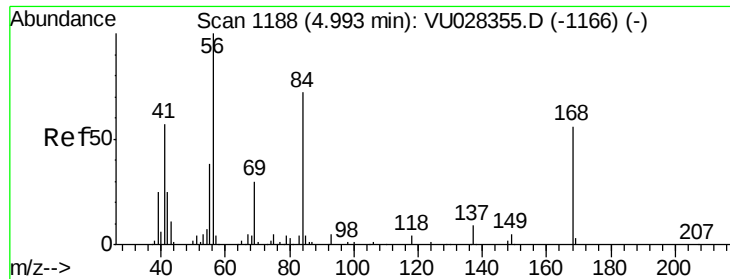
Tot Ion: 84 Resp: 174695
Ion Ratio Lower Upper
84 100
49 132.7 120.0 180.0
51 40.3 36.9 55.3
86 65.1 51.1 76.7



#29
Tetrahydrofuran
Concen: 0.487 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion: 42 Resp: 1739
Ion Ratio Lower Upper
42 100
72 14.0 29.5 44.3#
71 10.2 27.7 41.5#

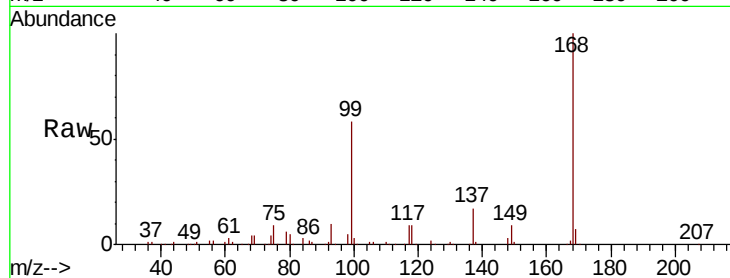




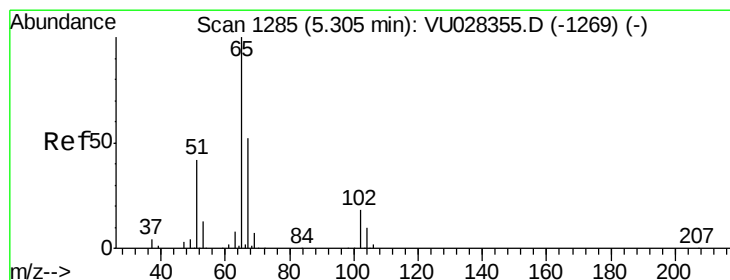
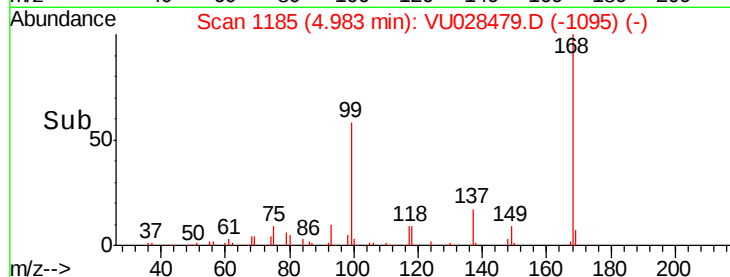
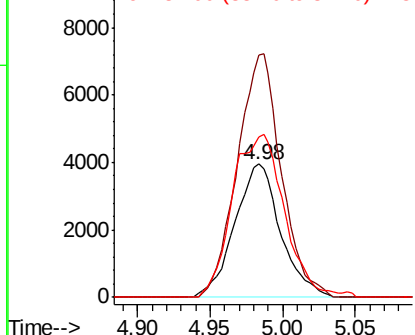
#31
Cyclohexane
Concen: 0.448 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

Tot Ion: 56 Resp: 8678
Ion Ratio Lower Upper
56 100
69 181.9 23.7 35.5#
84 120.0 57.3 85.9#

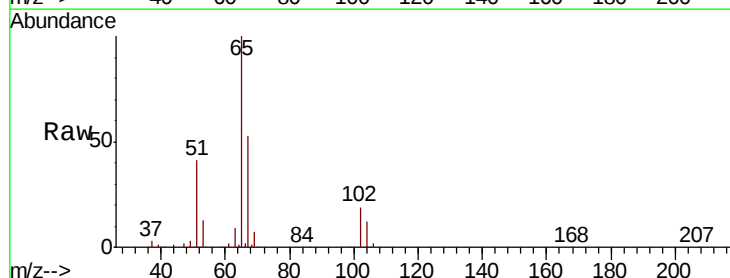


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

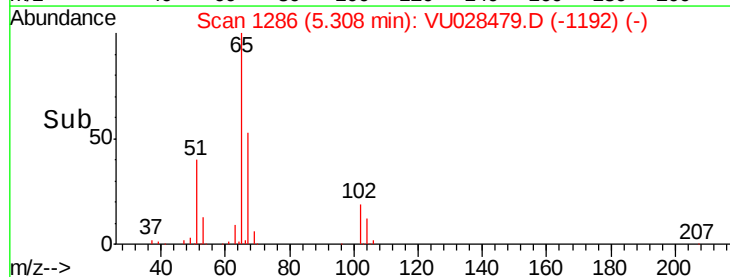
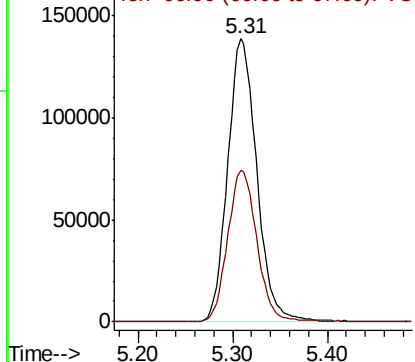


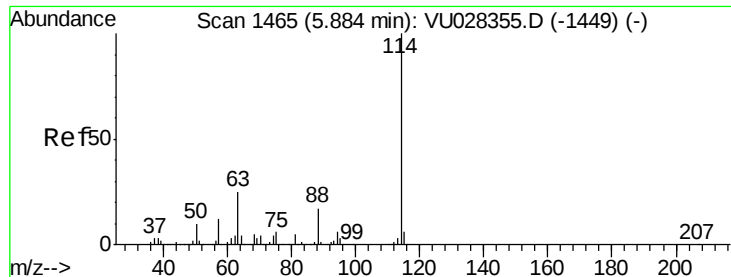
#33
1,2-Dichloroethane-d4
Concen: 47.229 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion: 65 Resp: 296529
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

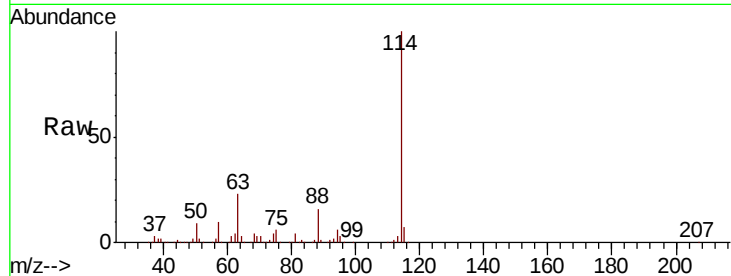




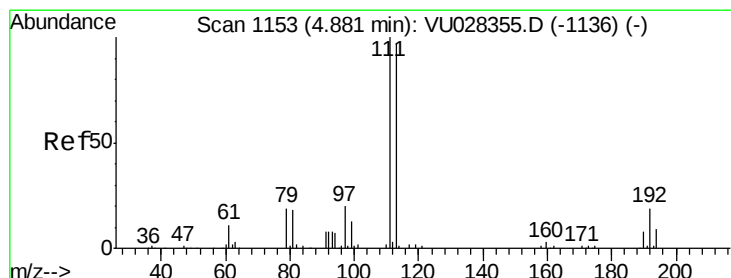
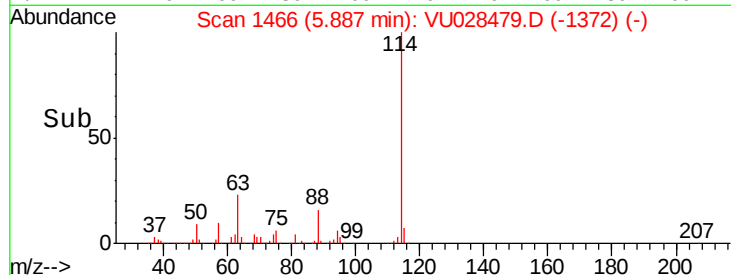
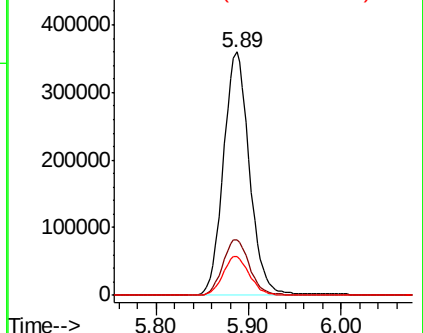
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

Tot Ion:114 Resp: 703634
Ion Ratio Lower Upper
114 100
63 22.8 0.0 50.0
88 16.0 0.0 34.4

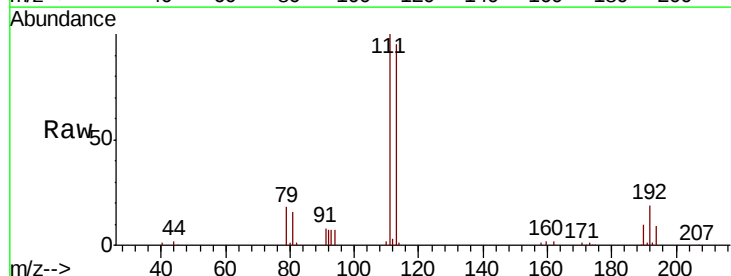


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

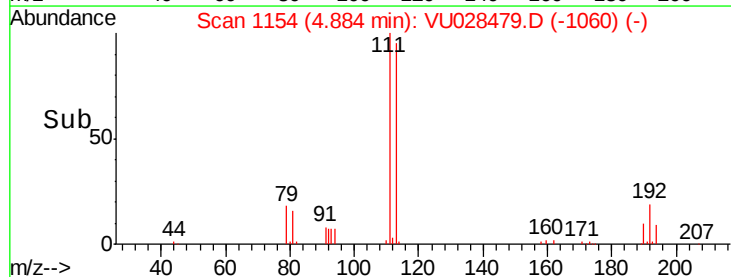
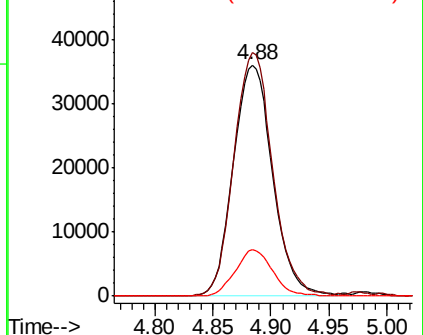


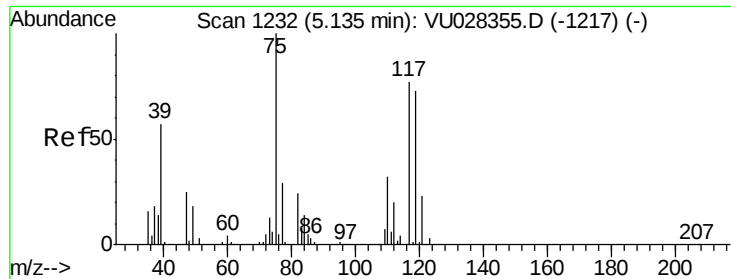
#35
Dibromofluoromethane
Concen: 18.140 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion:113 Resp: 84877
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 19.1 15.4 23.0



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

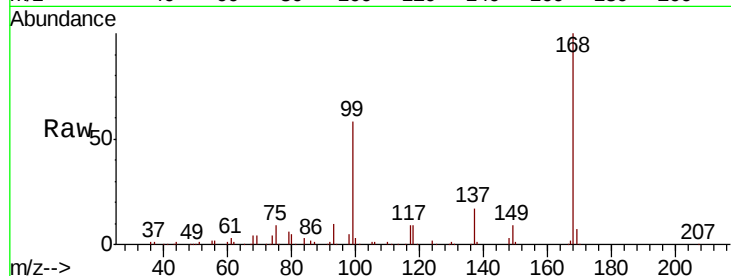




#36
 1,1-Dichloropropene
 Concen: 4.030 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SAMPLE-1

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.8	47.4#
77	0.0	24.6	36.8#

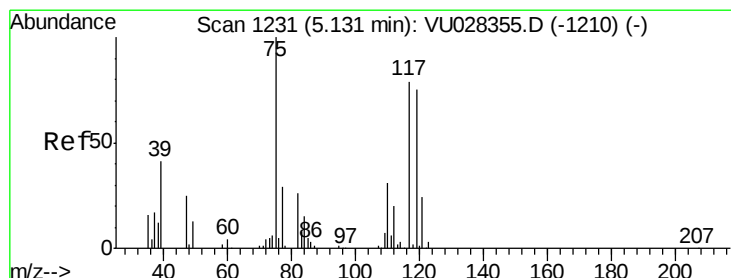
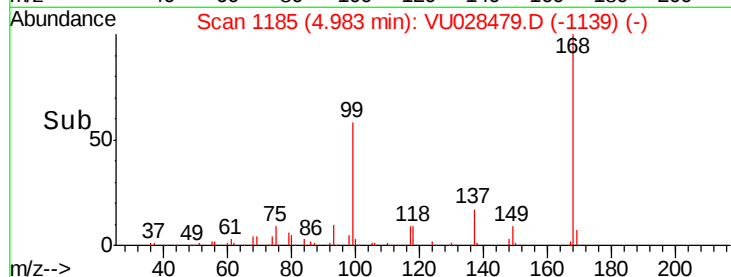
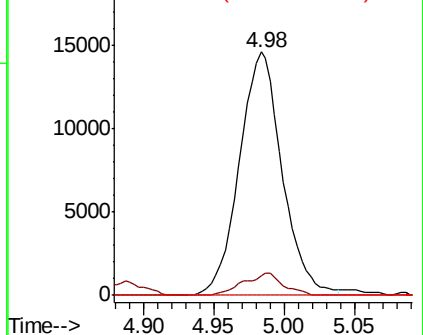


Abundance

Ion 74.90 (74.60 to 75.60): VU0

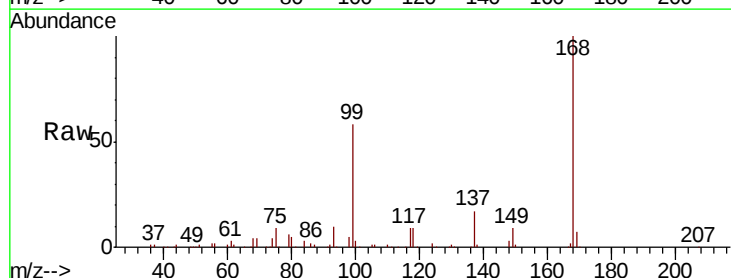
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38
 Carbon Tetrachloride
 Concen: 5.668 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.3	114.5#
121	0.0	24.7	37.1#

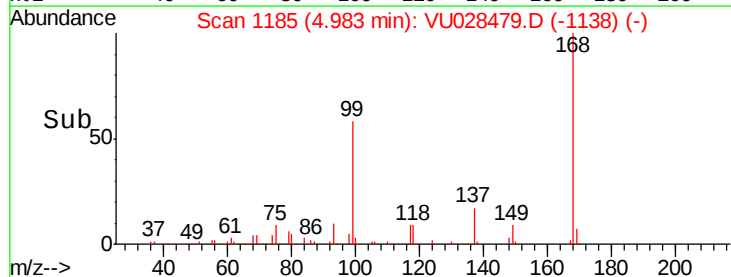
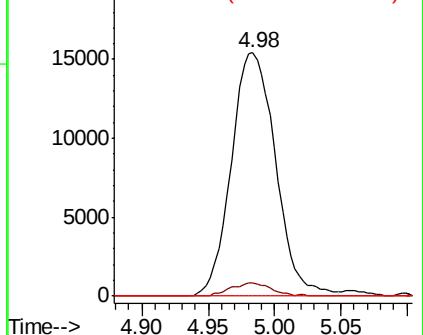


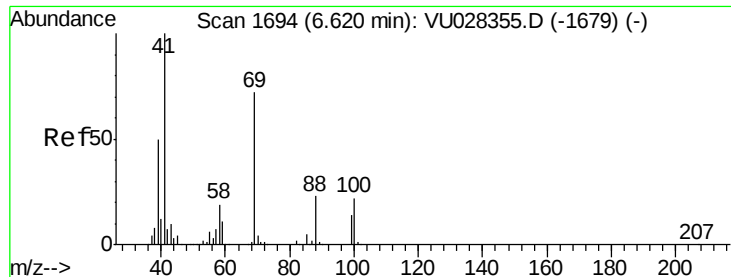
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

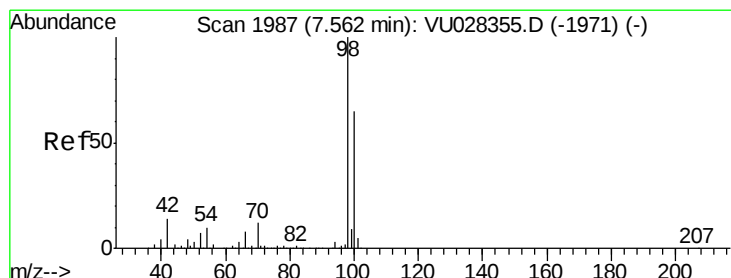
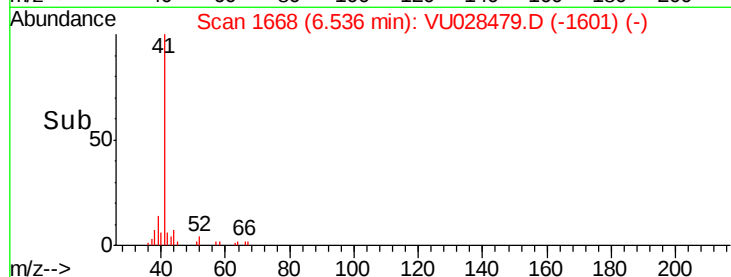
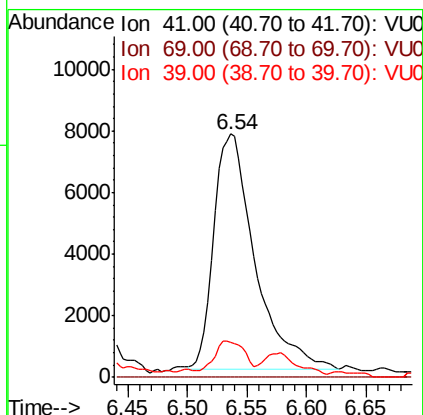
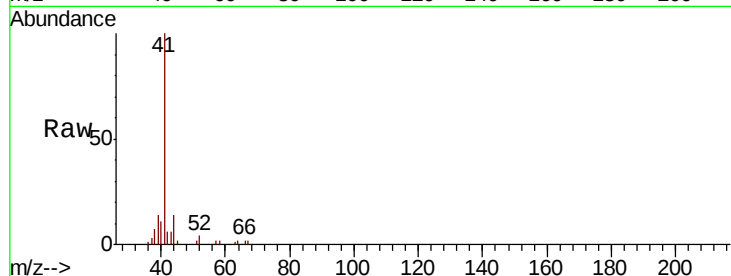




#48
Methvl methacrvlate
Concen: 2.098 ug/l
RT: 6.54 min Scan# 1668
Delta R.T. -0.08 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

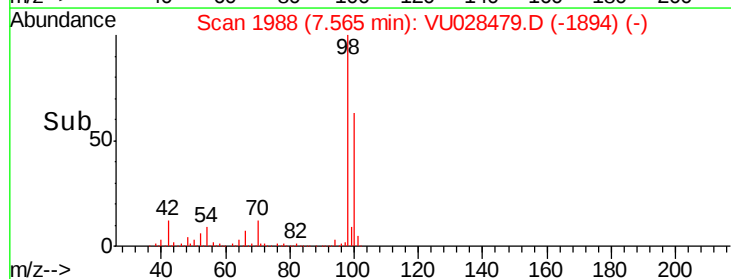
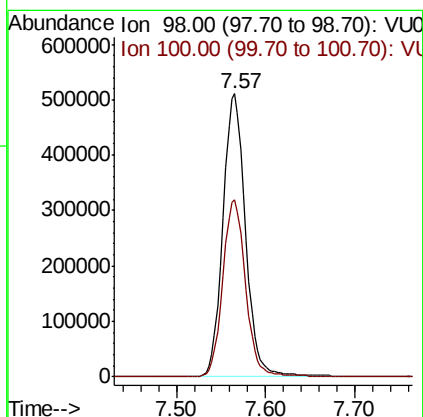
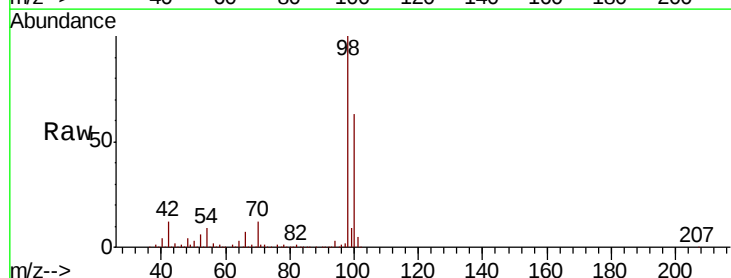
Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

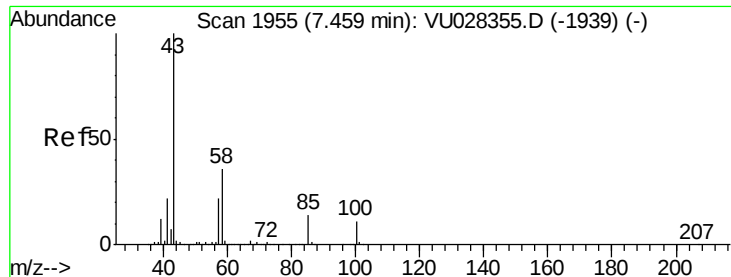
Tot Ion: 41 Resp: 18175
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 9.6 40.5 60.7#



#50
Toluene-d8
Concen: 48.072 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion: 98 Resp: 899540
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028479.D

Acq: 05 Dec 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

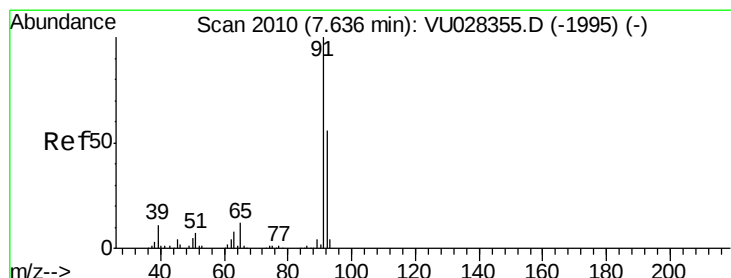
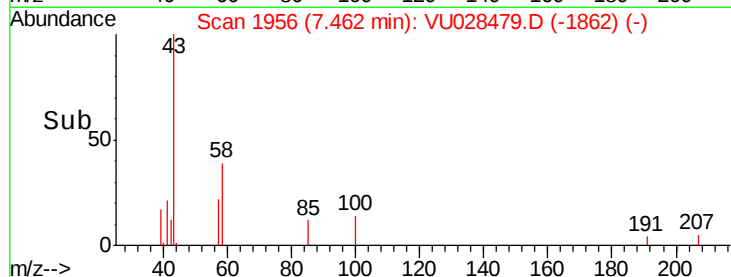
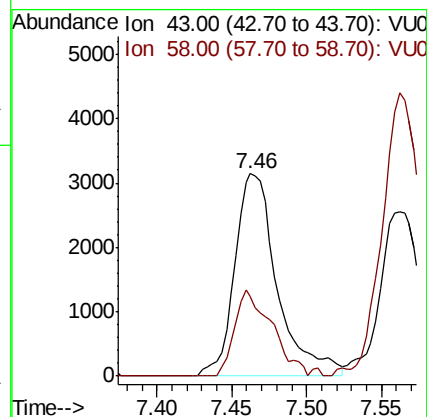
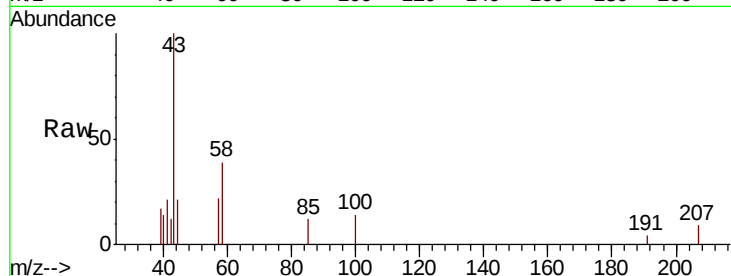
SAMPLE-1

Tot Ion: 43 Resp: 6232

Ion Ratio Lower Upper

43 100

58 37.1 28.8 43.2



#52

Toluene

Concen: 0.221 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028479.D

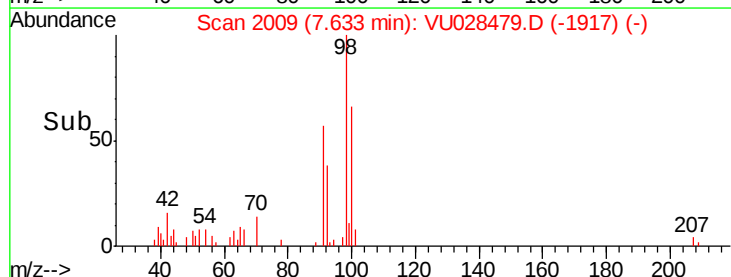
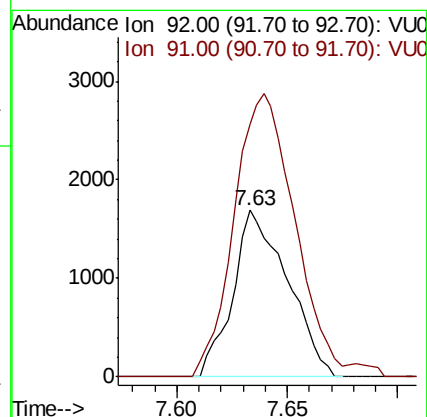
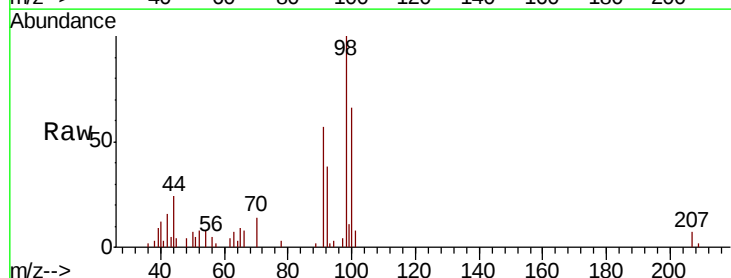
Acq: 05 Dec 2018 14:48

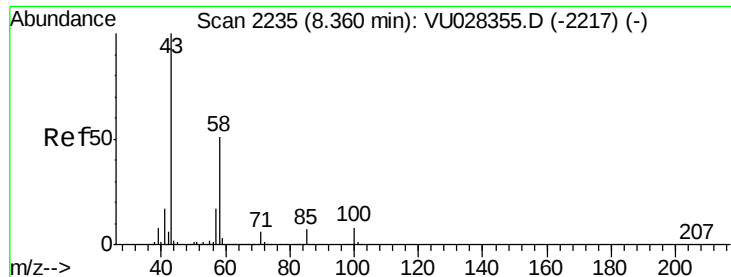
Tgt Ion: 92 Resp: 2907

Ion Ratio Lower Upper

92 100

91 187.9 141.8 212.6

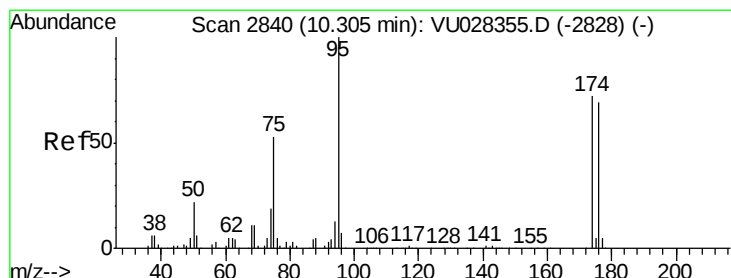
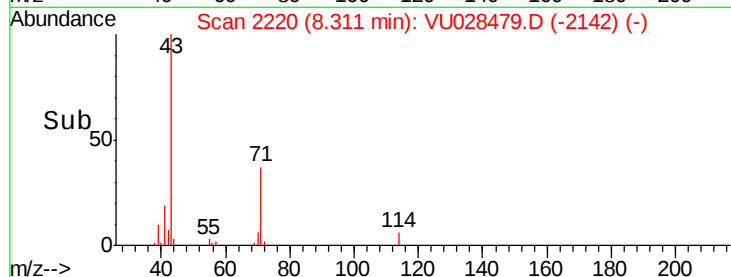
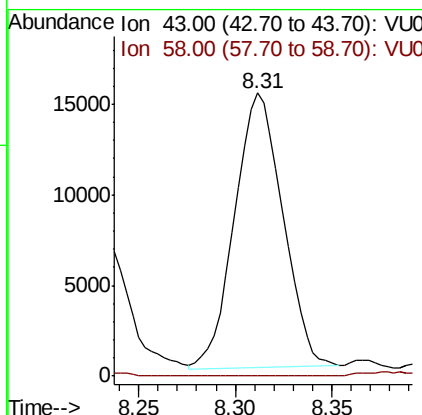
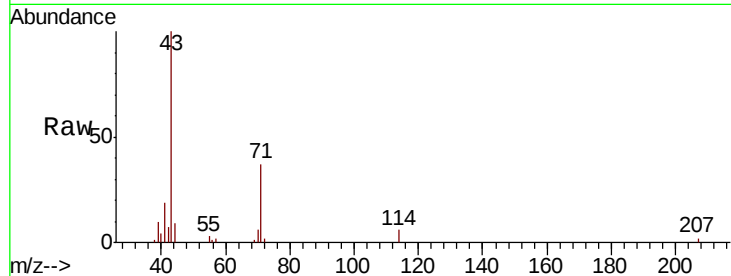




#59
 2-Hexanone
 Concen: 3.196 ug/l
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

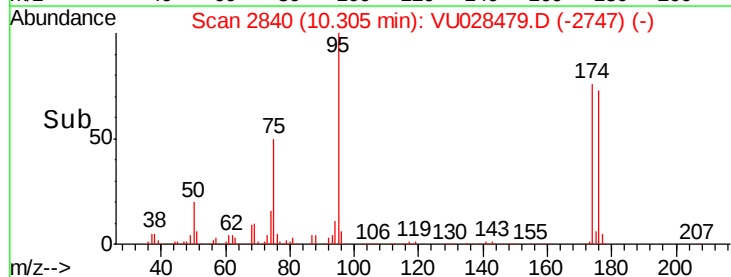
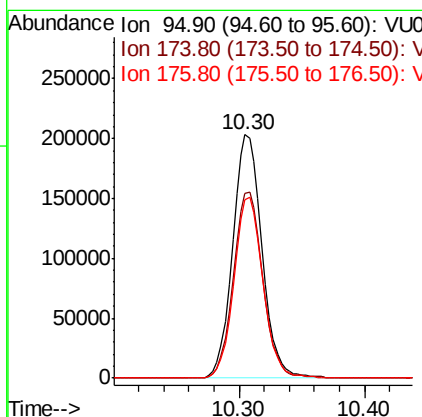
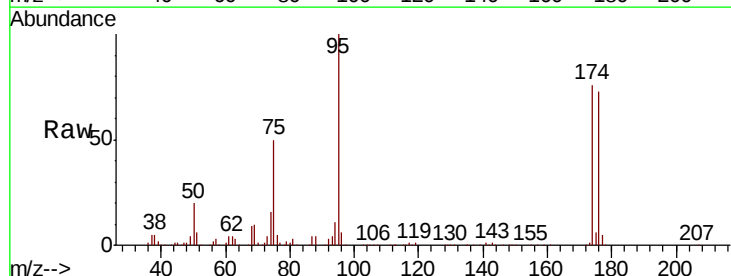
Instrument :
 MSVOA_U
 ClientSampleId :
 SAMPLE-1

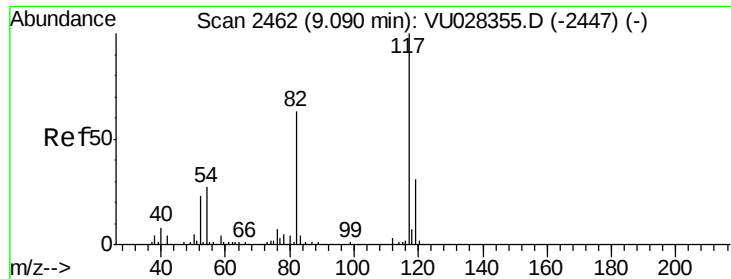
Tot Ion: 43 Resp: 26289
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.5 76.5#



#62
 4-Bromofluorobenzene
 Concen: 48.786 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Tgt Ion: 95 Resp: 329032
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 145.4
 176 73.7 0.0 140.8

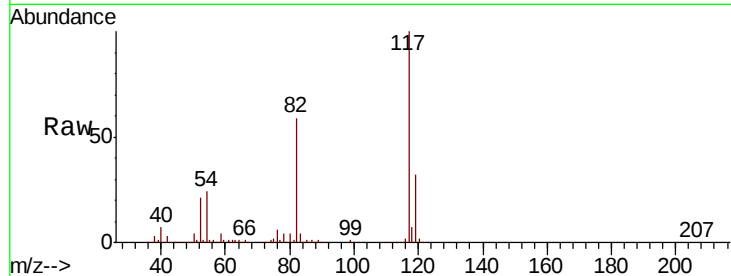




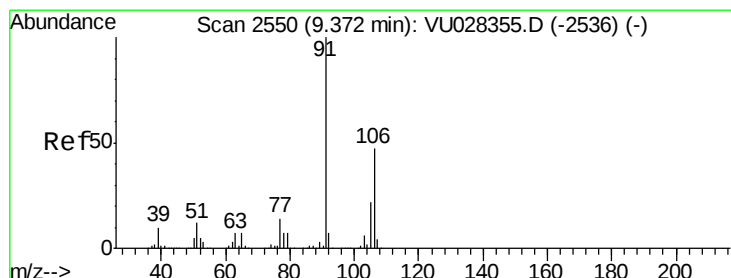
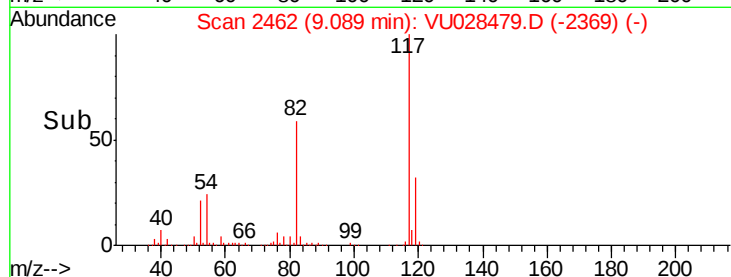
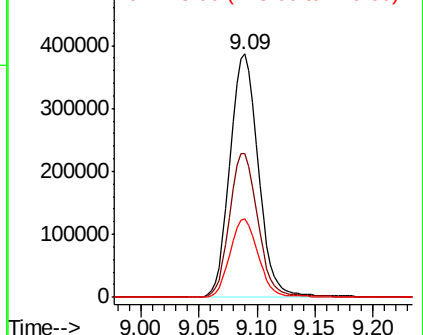
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

Tot Ion:117 Resp: 655688
Ion Ratio Lower Upper
117 100
82 58.9 50.3 75.5
119 32.2 24.8 37.2

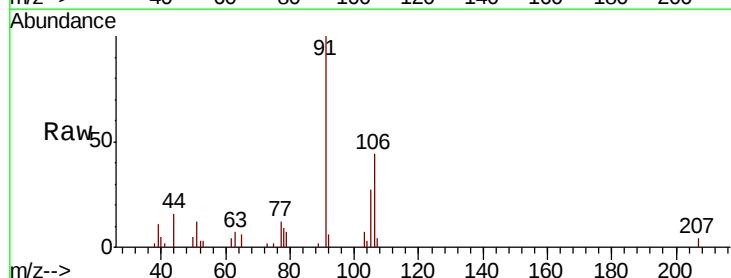


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

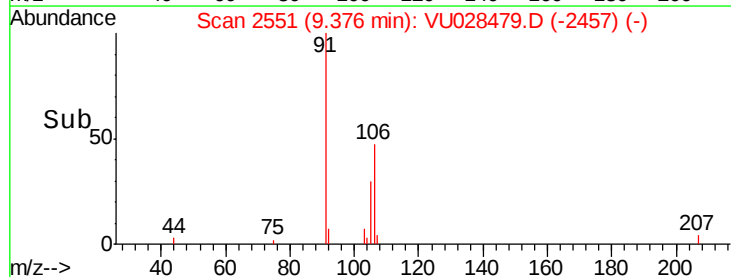
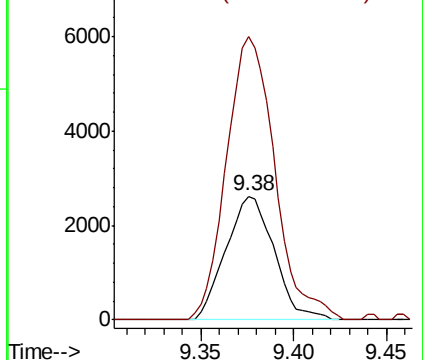


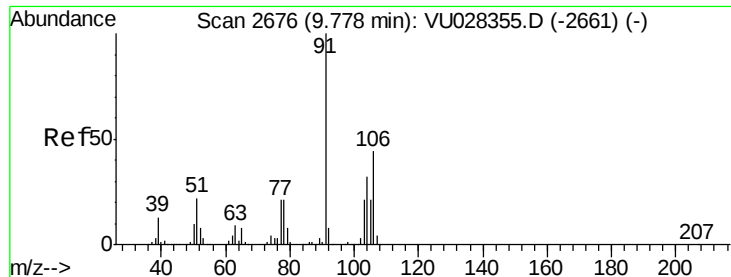
#68
m/p-Xylenes
Concen: 0.512 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion:106 Resp: 4726
Ion Ratio Lower Upper
106 100
91 229.7 171.0 256.6



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

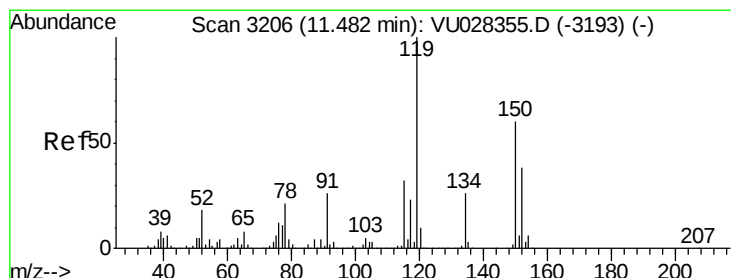
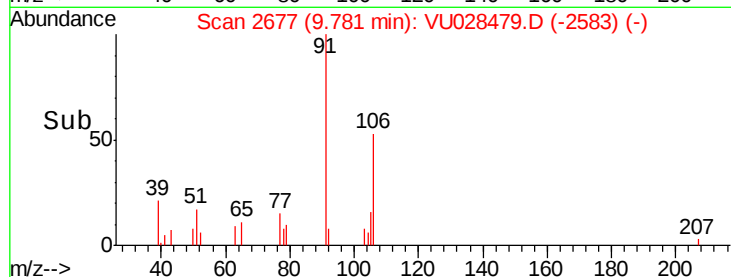
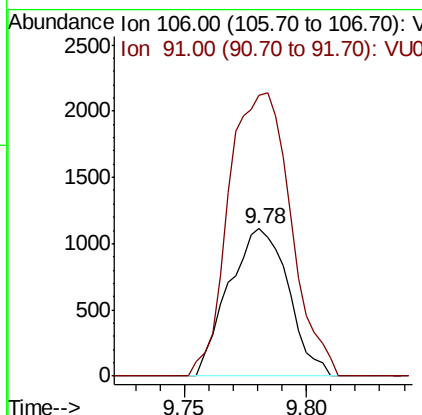
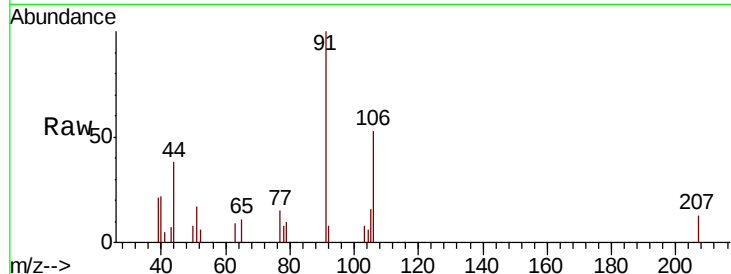




#69
o-Xylene
Concen: 0.205 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

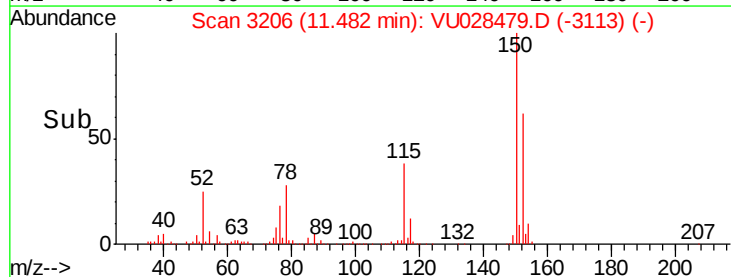
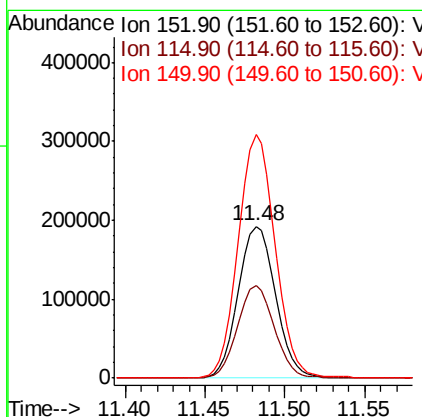
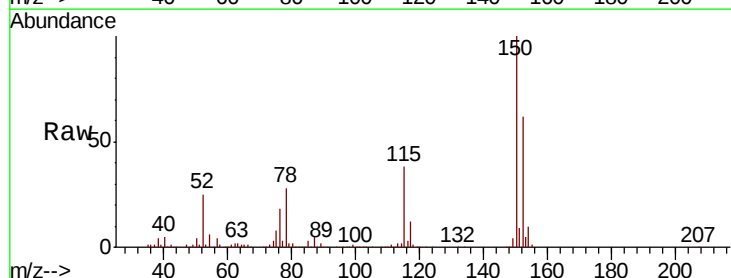
Instrument :
MSVOA_U
ClientSampled :
SAMPLE-1

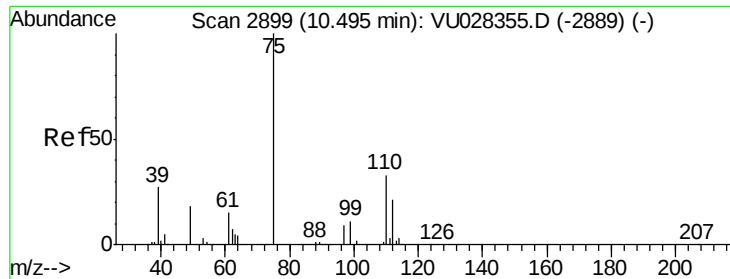
Tot Ion:106 Resp: 1885
Ion Ratio Lower Upper
106 100
91 200.1 112.7 338.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion:152 Resp: 305591
Ion Ratio Lower Upper
152 100
115 60.0 45.0 134.8
150 158.7 0.0 349.2

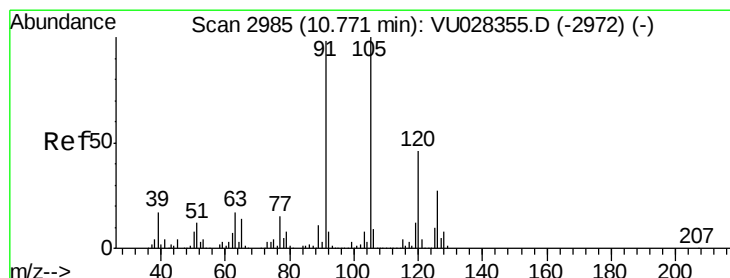
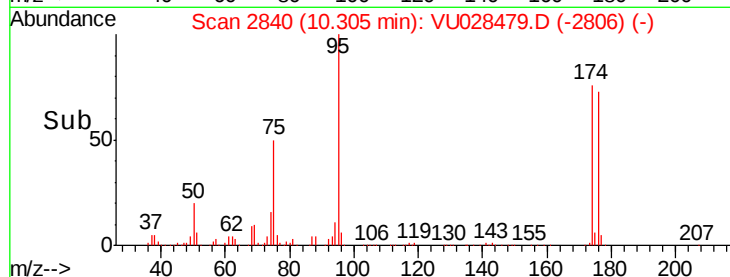
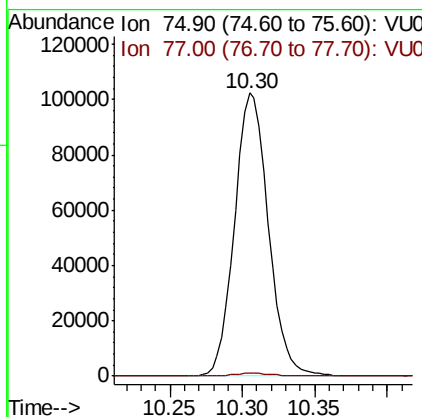
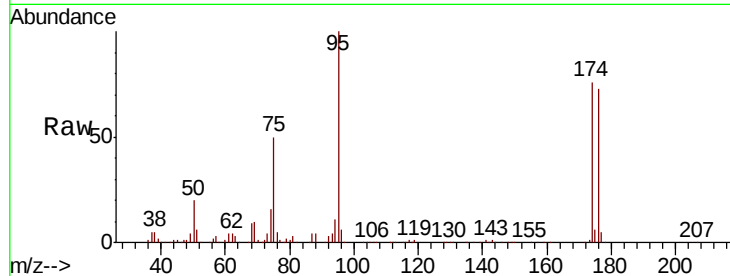




#76
 1,2,3-Trichloropropane
 Concen: 19.569 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

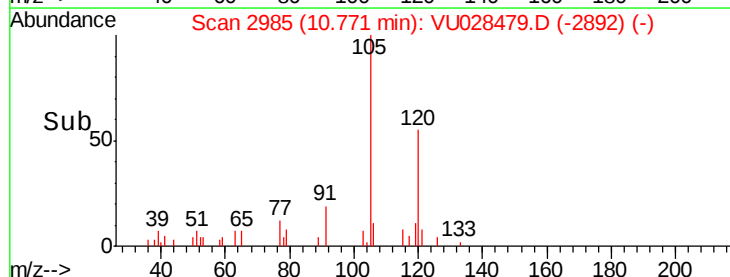
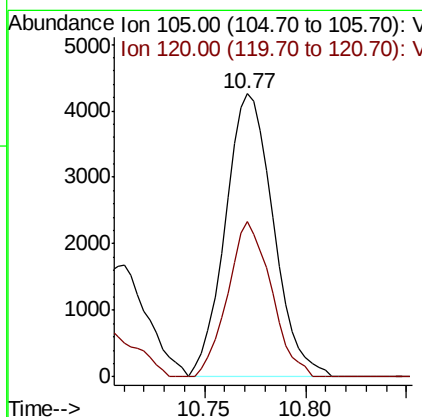
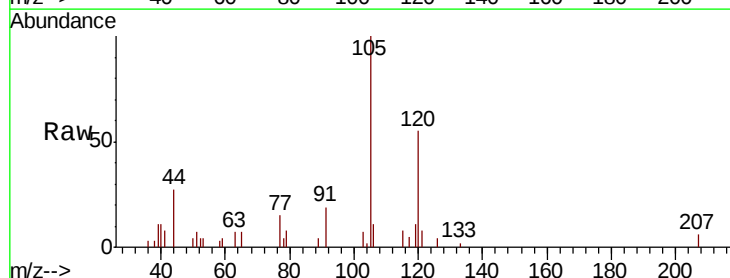
Instrument :
 MSVOA_U
 ClientSampleId :
 SAMPLE-1

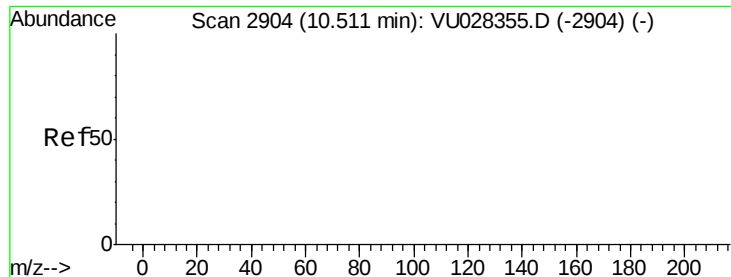
Tot Ion: 75 Resp: 165834
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.4 67.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.354 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028479.D
 Acq: 05 Dec 2018 14:48

Tgt Ion: 105 Resp: 7089
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.4 70.0

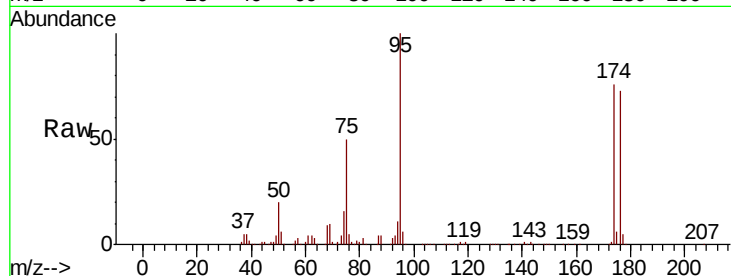




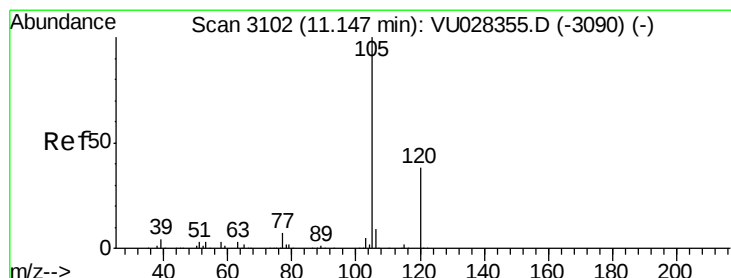
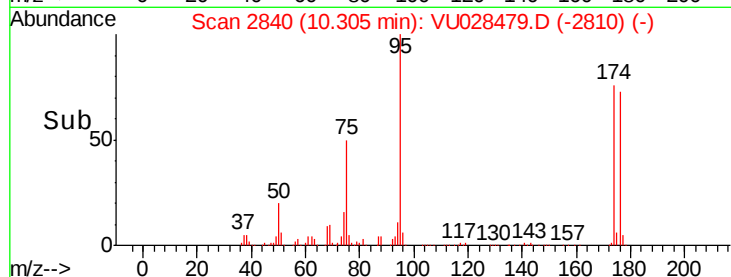
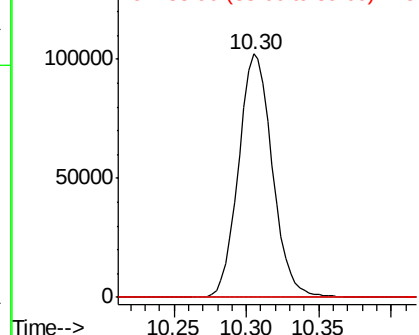
#81
trans-1,4-Dichloro-2-butene
Concen: 51.946 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
SAMPLE-1

Tot Ion: 75 Resp: 165834
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

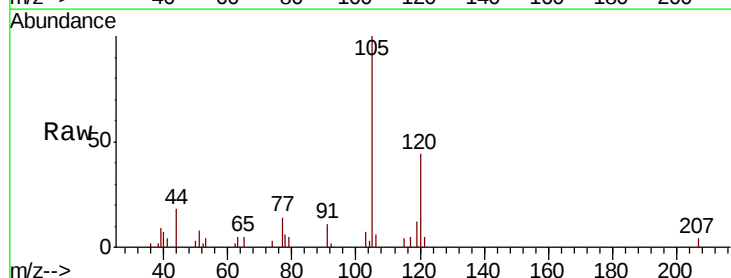


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

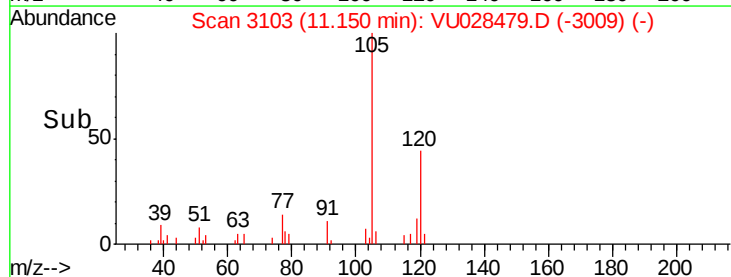
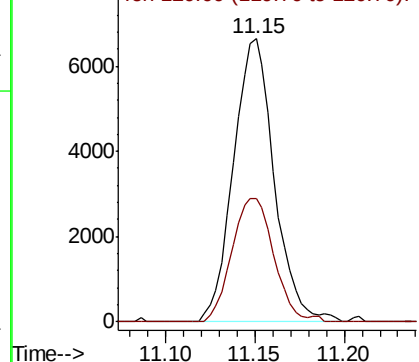


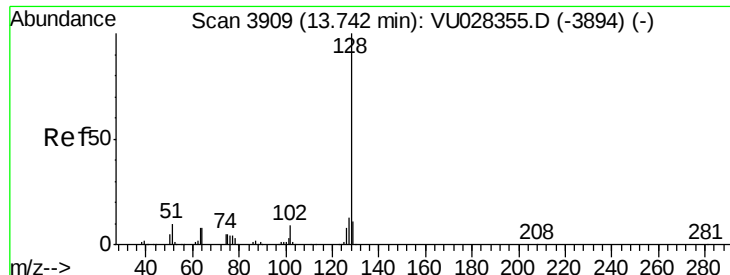
#84
1,2,4-Trimethylbenzene
Concen: 0.522 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU028479.D
Acq: 05 Dec 2018 14:48

Tgt Ion:105 Resp: 10590
Ion Ratio Lower Upper
105 100
120 44.9 21.4 64.3



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





#95

Naphthalene

Concen: 3.987 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028479.D

Acq: 05 Dec 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

SAMPLE-1

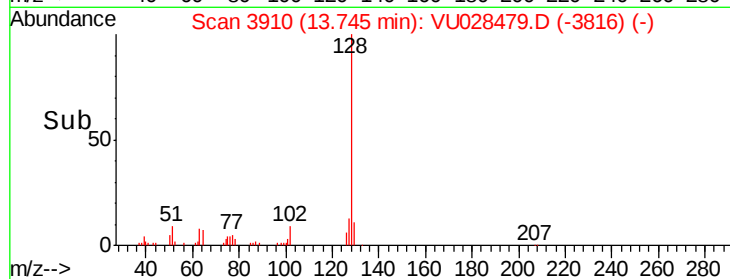
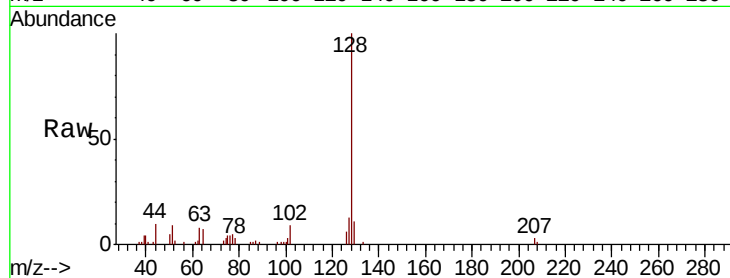
Tot Ion:128 Resp: 31404

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

129 9.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

