

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028476.D
 Acq On : 05 Dec 2018 13:38
 Operator : MD/SY
 Sample : J6208-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-5

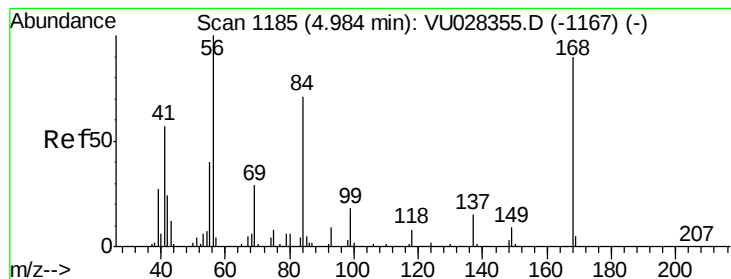
Quant Time: Dec 06 01:33:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	392019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	717182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	667871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	318944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	299870	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	4.88	113	88990	18.66	ug/l	0.00
Spiked Amount			Recovery	=	37.32%	
50) Toluene-d8	7.57	98	925384	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	10.31	95	335566	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	2123	1.426	ug/l #	72
13) Acrolein	2.20	56	1156	0.874	ug/l #	56
16) Acetone	2.32	43	126538	31.573	ug/l	96
17) Carbon Disulfide	2.48	76	3936	0.245	ug/l #	84
18) Methyl Acetate	2.45	43	10067	0.902	ug/l #	58
20) Methylene Chloride	2.70	84	68012	11.975	ug/l	91
25) 2-Butanone	4.28	43	15745	2.741	ug/l	96
29) Tetrahydrofuran	4.66	42	1414	0.379	ug/l #	87
31) Cyclohexane	4.98	56	8814	0.426	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	31725	4.042	ug/l #	50
37) Ethyl Acetate	4.28	43	15745	1.472	ug/l #	71
38) Carbon Tetrachloride	4.98	117	36767	5.705	ug/l #	17
48) Methyl methacrylate	6.54	41	21075	2.387	ug/l #	28
51) 4-Methyl-2-Pentanone	7.46	43	10894	1.006	ug/l	97
52) Toluene	7.64	92	3339	0.249	ug/l	90
59) 2-Hexanone	8.38	43	6111	0.729	ug/l	97
64) Tetrachloroethene	8.22	164	988	0.225	ug/l #	64
68) m/p-Xylenes	9.38	106	6096	0.648	ug/l	96
69) o-Xylene	9.78	106	3129	0.335	ug/l	91
74) N-amyl acetate	10.02	43	3174	0.204	ug/l #	69
76) 1,2,3-Trichloropropane	10.31	75	171727	19.416	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	6952	0.333	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	171727	51.540	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	15039	0.710	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	2334	0.219	ug/l	94
88) 1,4-Dichlorobenzene	11.42	146	2334	0.218	ug/l	93
89) n-Butylbenzene	11.89	91	6579	0.320	ug/l #	84
93) 1,2,4-Trichlorobenzene	13.50	180	3741	0.537	ug/l	92
94) Hexachlorobutadiene	13.69	225	1235	0.376	ug/l	88
95) Naphthalene	13.74	128	182730	9.257	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	4124	0.586	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

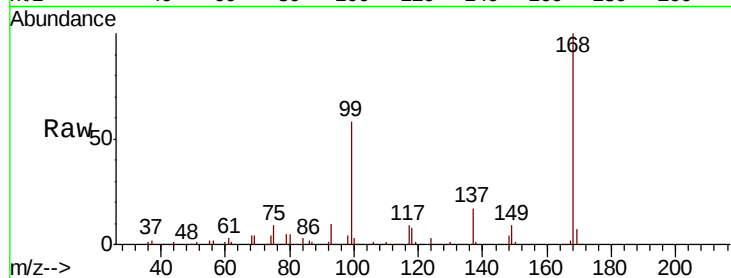
TP-5

Tot Ion:168 Resp: 392019

Ion Ratio Lower Upper

168 100

99 57.7 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028355.D

4.98

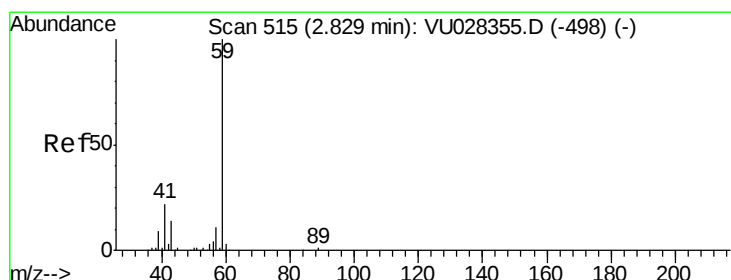
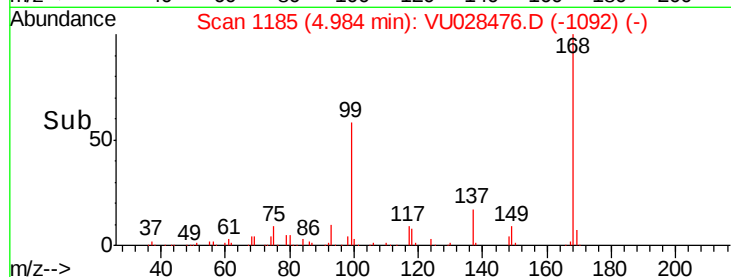
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.426 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU028476.D

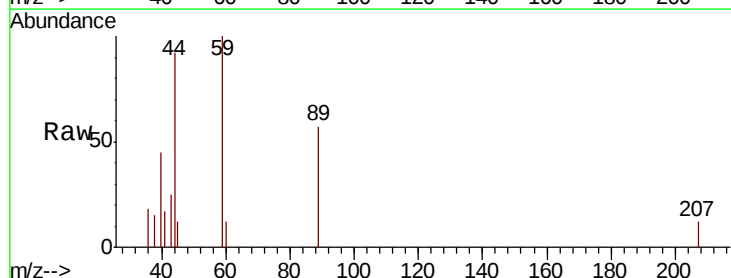
Acq: 05 Dec 2018 13:38

Tgt Ion: 59 Resp: 2123

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D

Ion 57.00 (56.70 to 57.70): VU028355.D

2.83

1200

1000

800

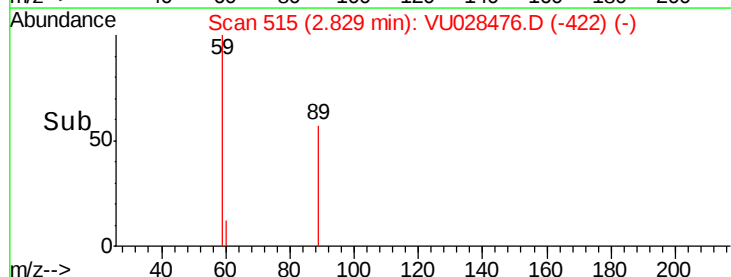
600

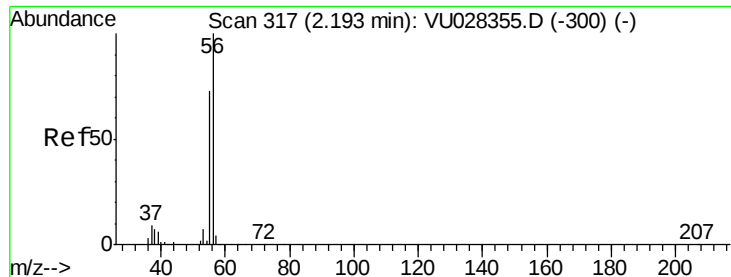
400

200

0

Time-->





#13

Acrolein

Concen: 0.874 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

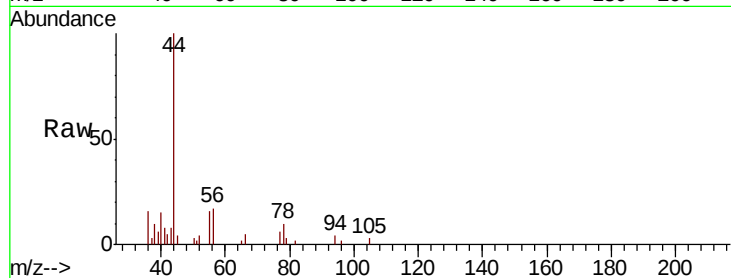
TP-5

Tot Ion: 56 Resp: 1156

Ion Ratio Lower Upper

56 100

55 107.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

800

600

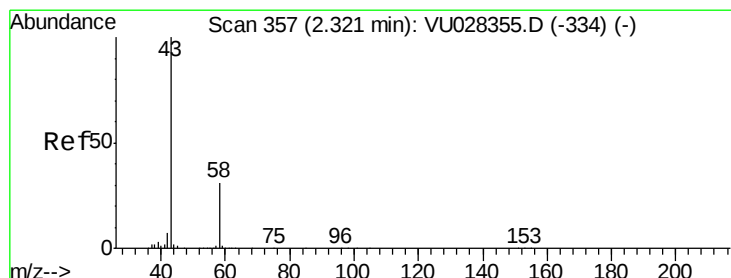
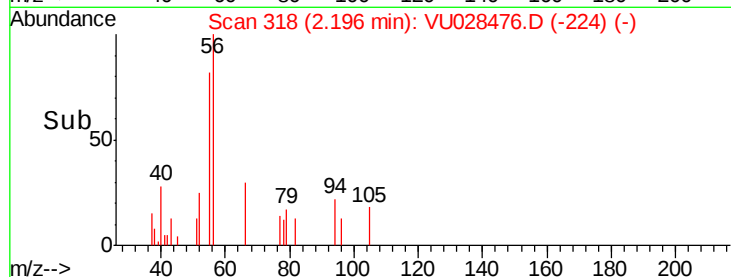
400

200

0

2.15 2.20

Time-->



#16

Acetone

Concen: 31.573 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028476.D

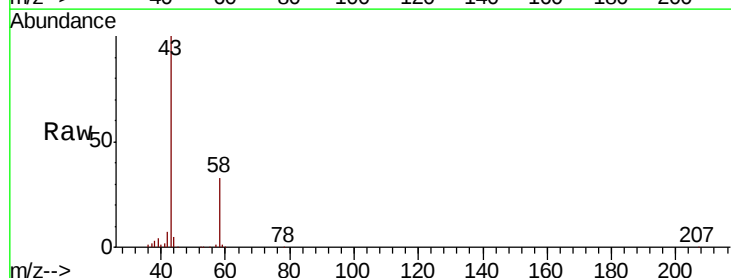
Acq: 05 Dec 2018 13:38

Tgt Ion: 43 Resp: 126538

Ion Ratio Lower Upper

43 100

58 32.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

80000

60000

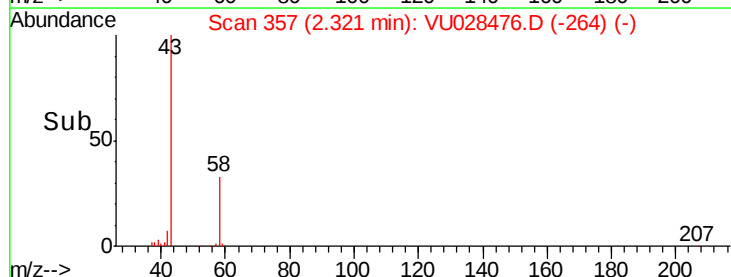
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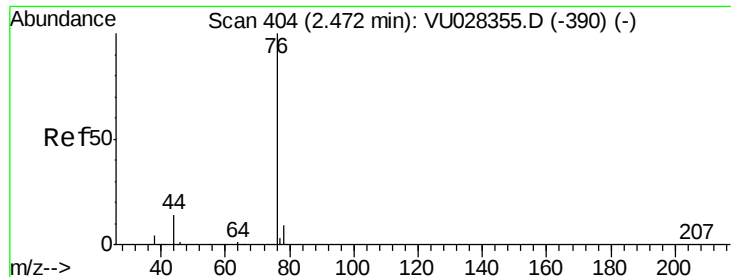
20000

0

2.25 2.30 2.35 2.40

Time-->





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

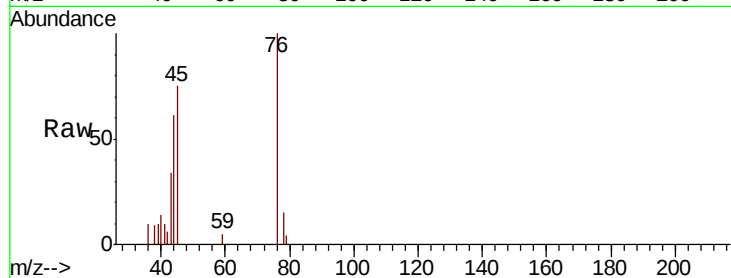
TP-5

Tot Ion: 76 Resp: 3936

Ion Ratio Lower Upper

76 100

78 15.2 7.4 11.2#

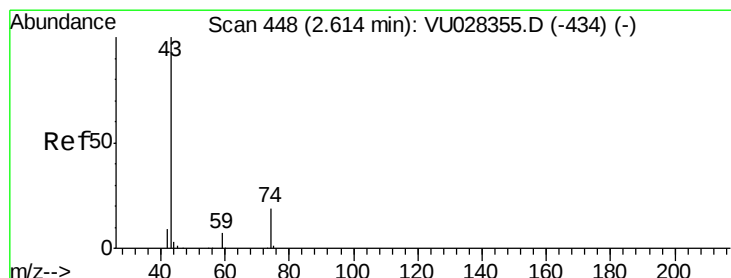
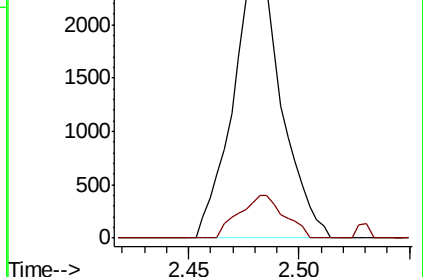
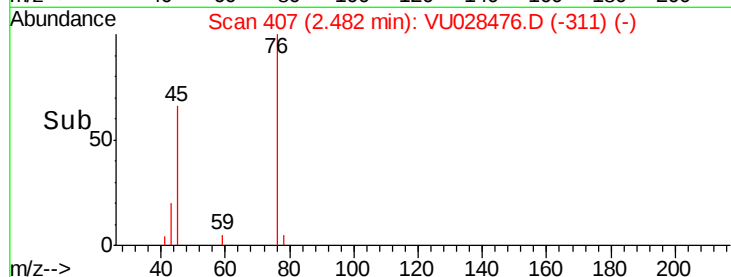


Abundance Ion 75.90 (75.60 to 76.60): VU028355.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028355.D (-390) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 0.902 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU028476.D

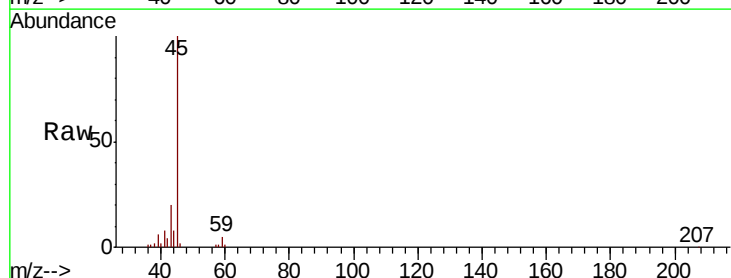
Acq: 05 Dec 2018 13:38

Tgt Ion: 43 Resp: 10067

Ion Ratio Lower Upper

43 100

74 0.0 15.3 22.9#

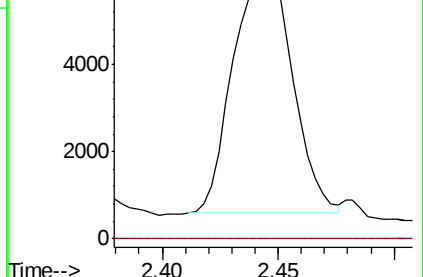
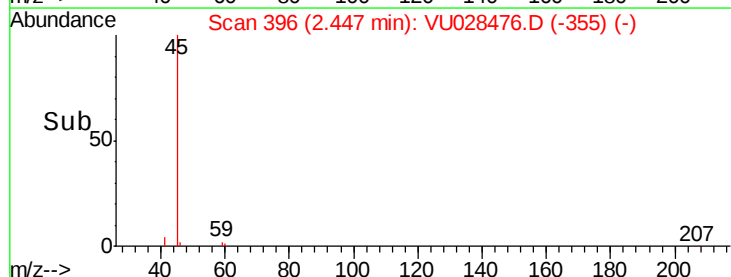


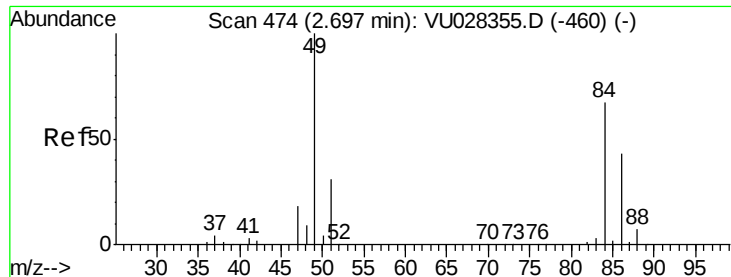
Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028355.D (-434) (-)

2.45

Time-->

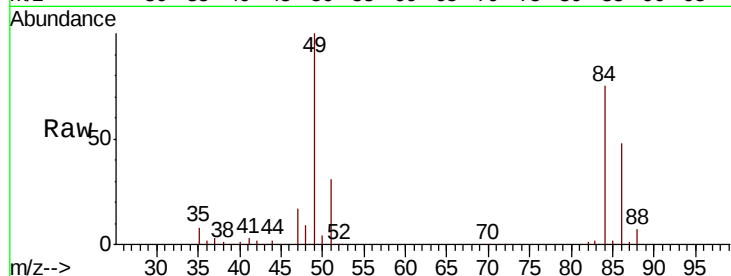




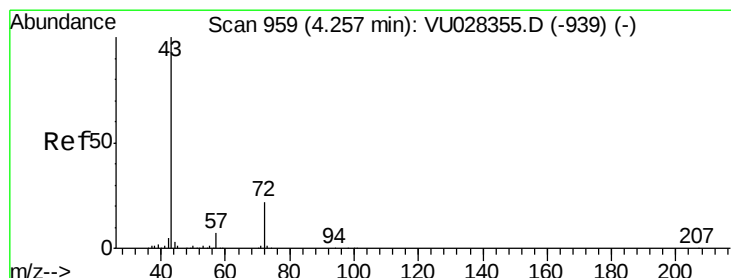
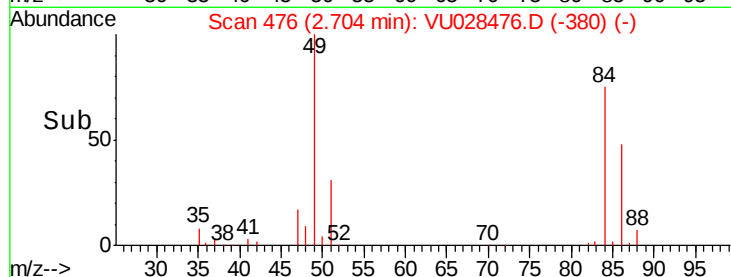
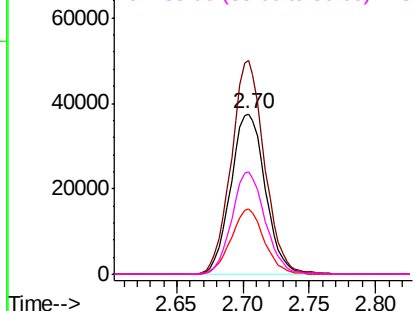
#20
Methvlene Chloride
Concen: 11.975 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
TP-5

Tot Ion: 84 Resp: 68012
Ion Ratio Lower Upper
84 100
49 133.0 120.0 180.0
51 40.9 36.9 55.3
86 63.9 51.1 76.7

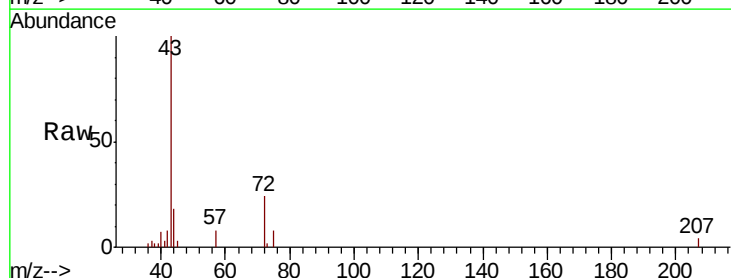


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

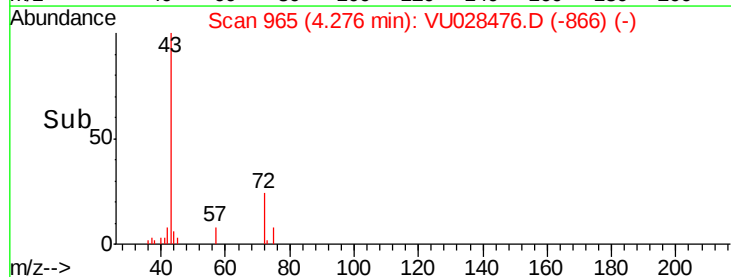
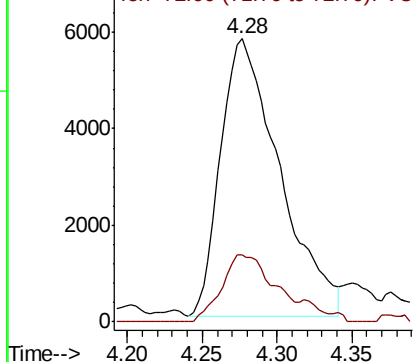


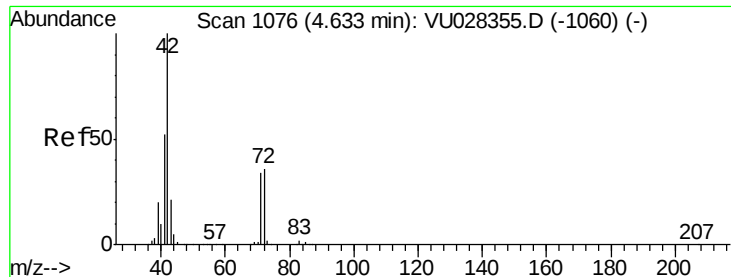
#25
2-Butanone
Concen: 2.741 ug/l
RT: 4.28 min Scan# 965
Delta R.T. 0.02 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 43 Resp: 15745
Ion Ratio Lower Upper
43 100
72 24.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

TP-5

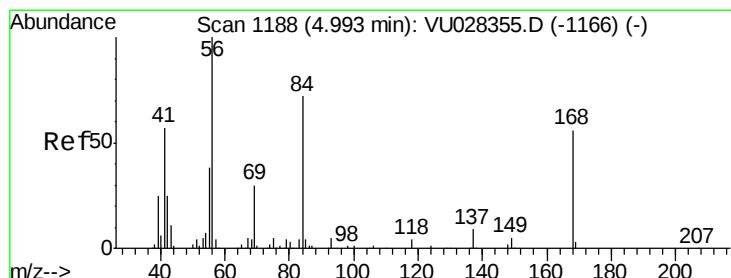
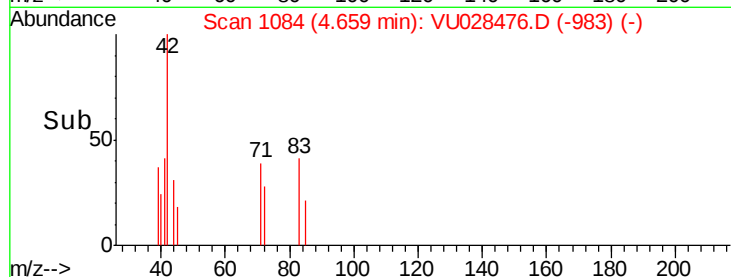
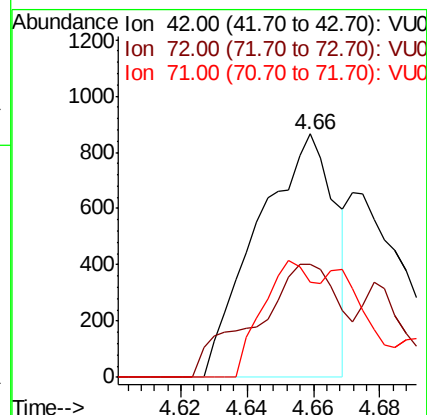
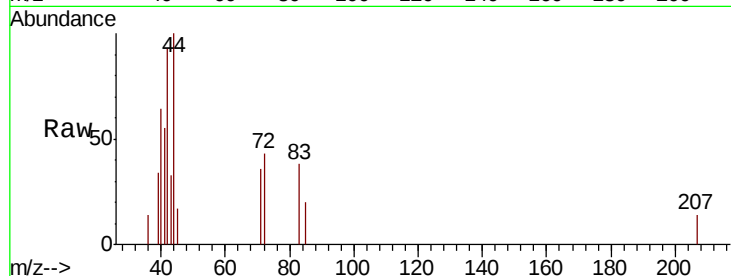
Tot Ion: 42 Resp: 1414

Ion Ratio Lower Upper

42 100

72 50.8 29.5 44.3#

71 33.7 27.7 41.5



#31

Cyclohexane

Concen: 0.426 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

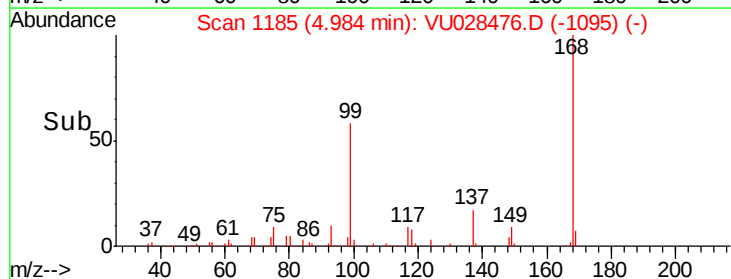
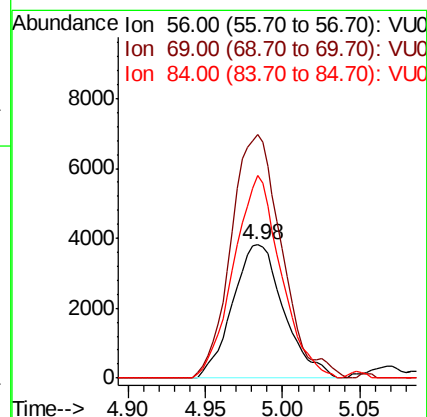
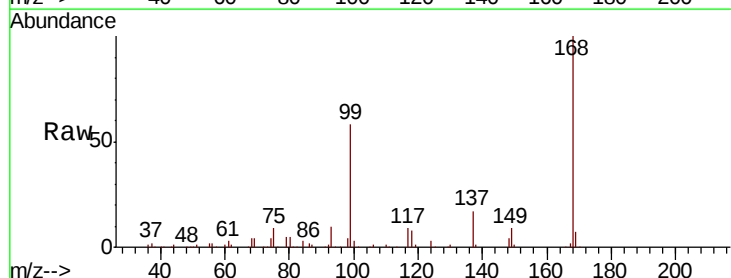
Tgt Ion: 56 Resp: 8814

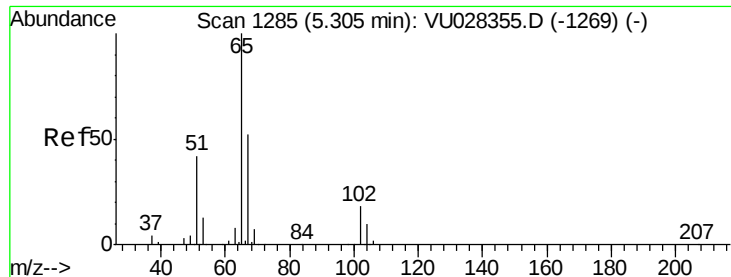
Ion Ratio Lower Upper

56 100

69 182.9 23.7 35.5#

84 152.1 57.3 85.9#

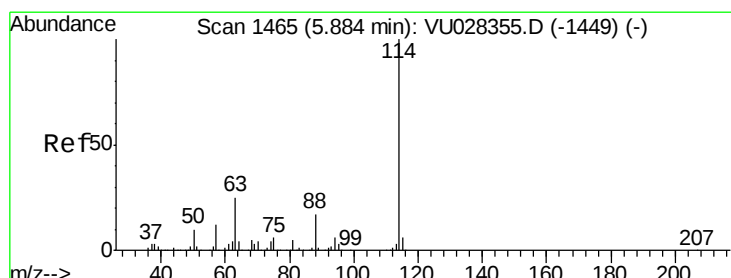
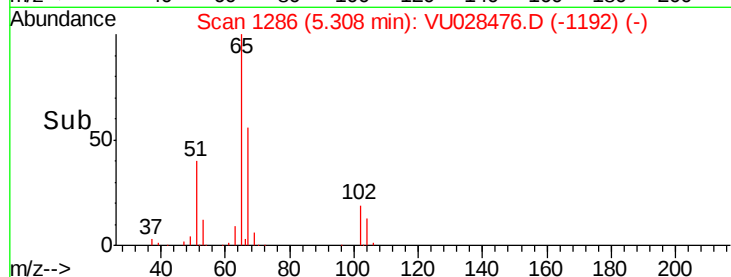
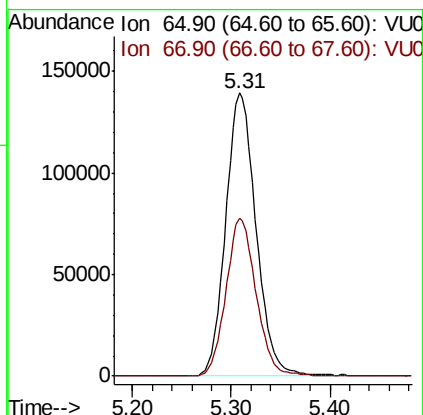
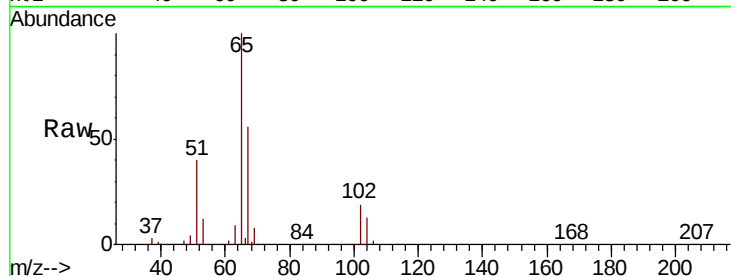




#33
 1,2-Dichloroethane-d4
 Concen: 45.770 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028476.D
 Acq: 05 Dec 2018 13:38

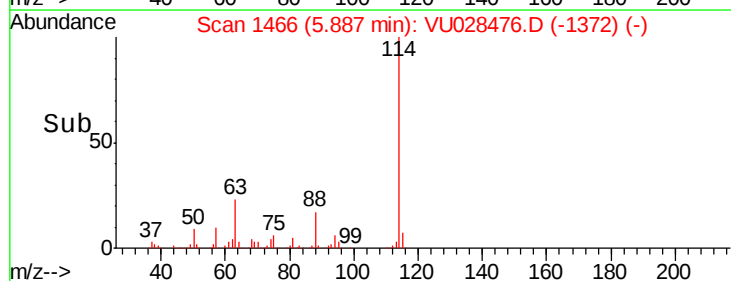
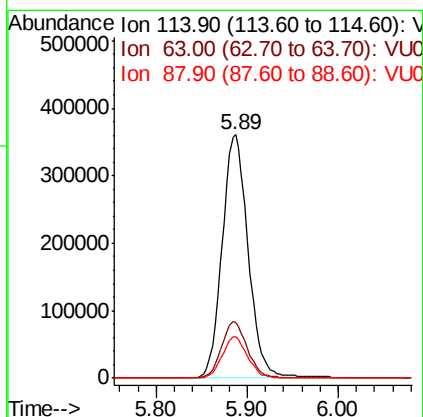
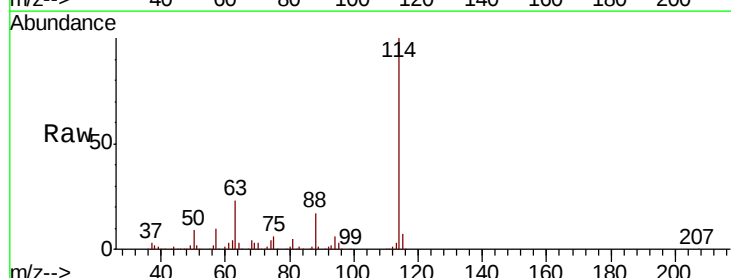
Instrument :
 MSVOA_U
 ClientSampleId :
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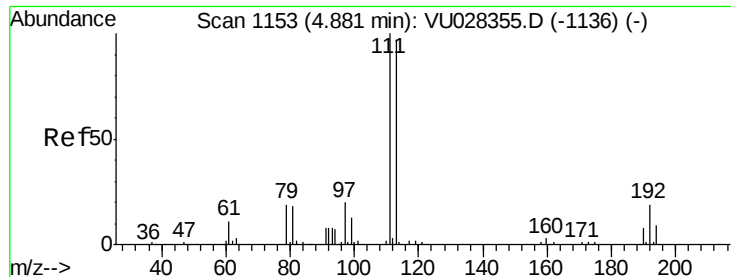
Tot Ion: 65 Resp: 299870
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028476.D
 Acq: 05 Dec 2018 13:38

Tgt Ion: 114 Resp: 717182
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 50.0
 88 17.0 0.0 34.4

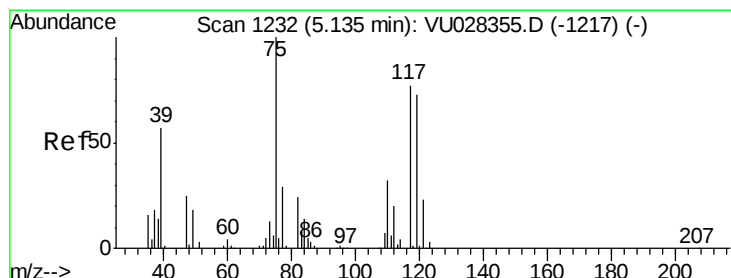
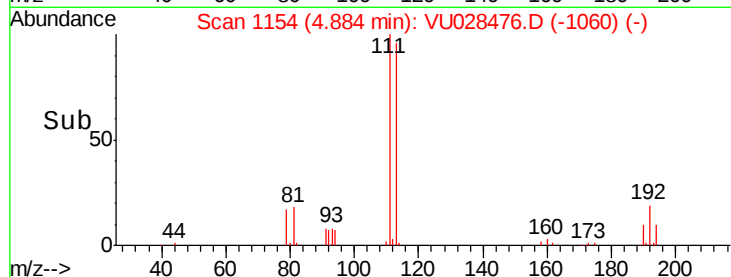
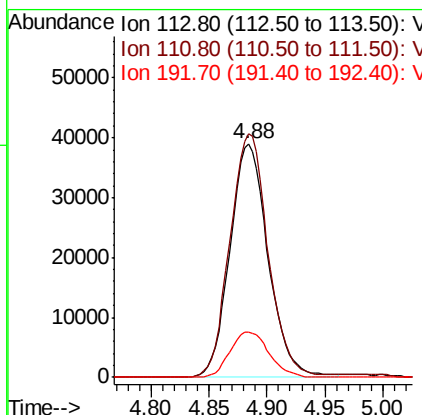
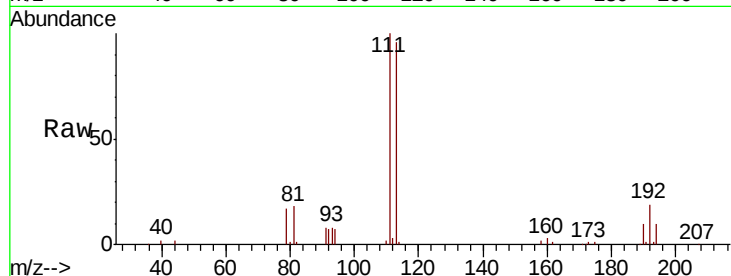




#35
Dibromofluoromethane
Concen: 18.660 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

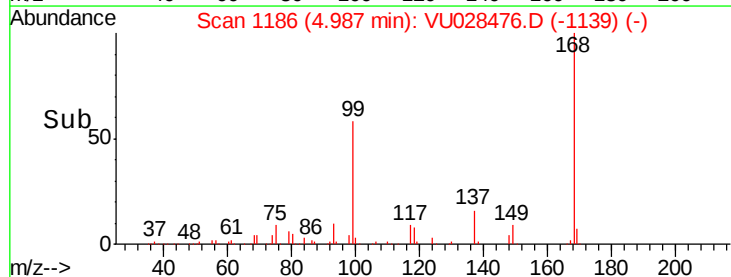
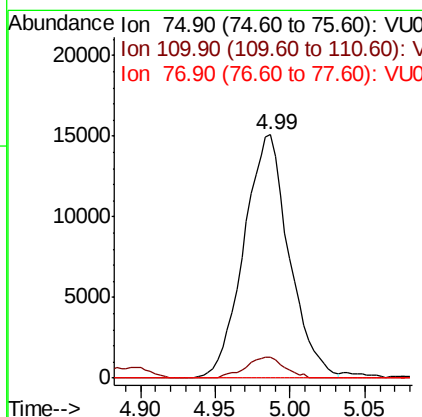
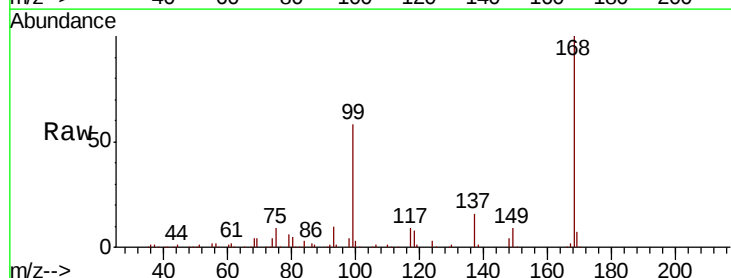
Instrument :
MSVOA_U
ClientSampled :
TP-5

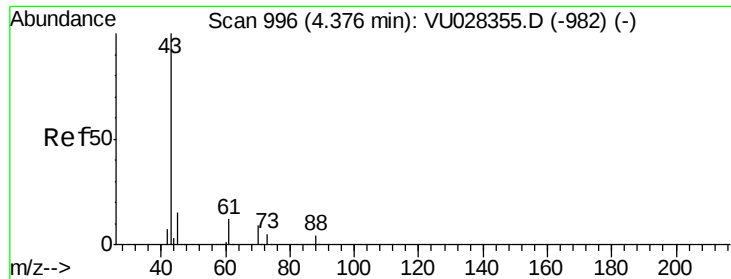
Tot Ion:113 Resp: 88990
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 19.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.042 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 75 Resp: 31725
Ion Ratio Lower Upper
75 100
110 7.4 15.8 47.4#
77 0.0 24.6 36.8#

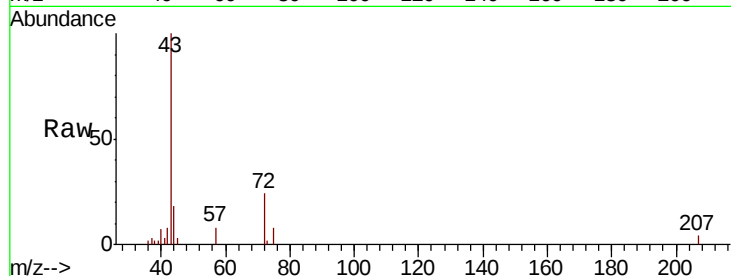




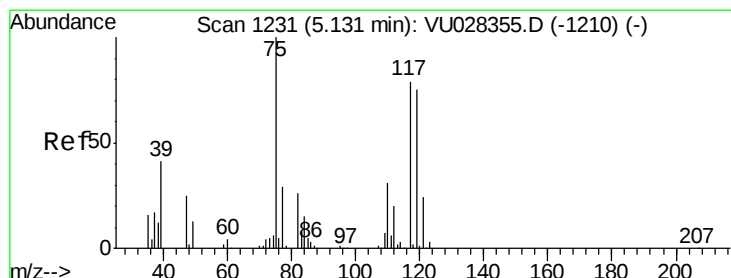
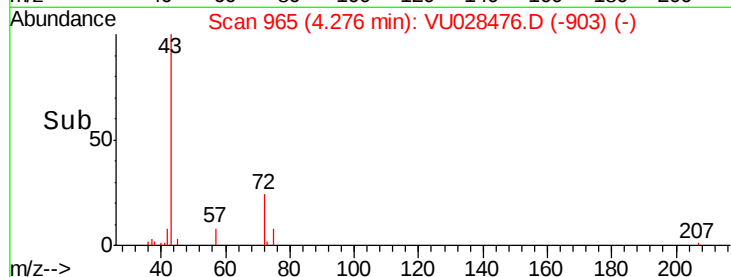
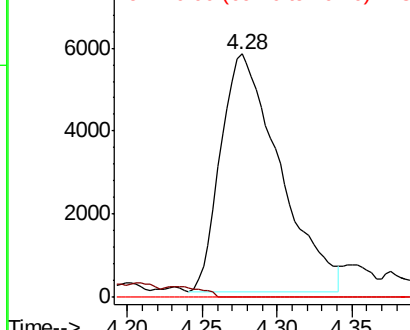
#37
Ethyl Acetate
Concen: 1.472 ug/l
RT: 4.28 min Scan# 965
Delta R.T. -0.10 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
TP-5

Tot Ion: 43 Resp: 15745
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#

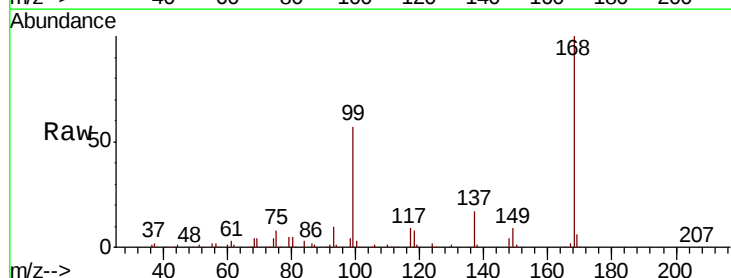


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

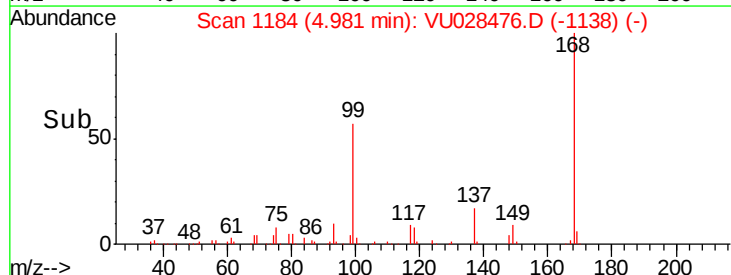
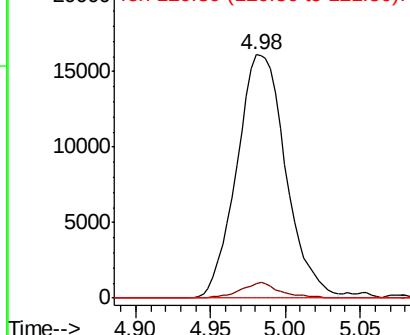


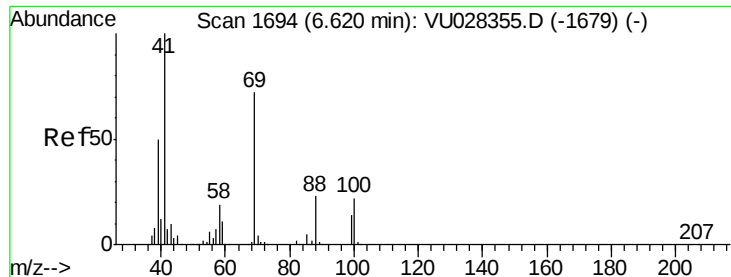
#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 117 Resp: 36767
Ion Ratio Lower Upper
117 100
119 6.0 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

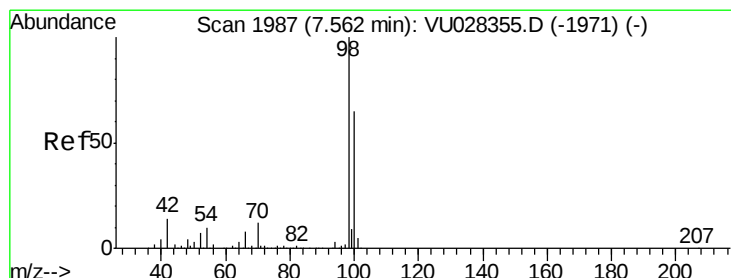
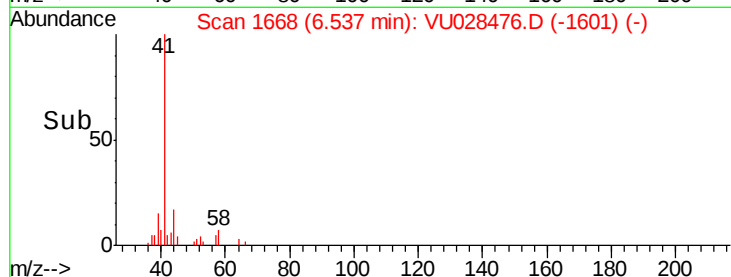
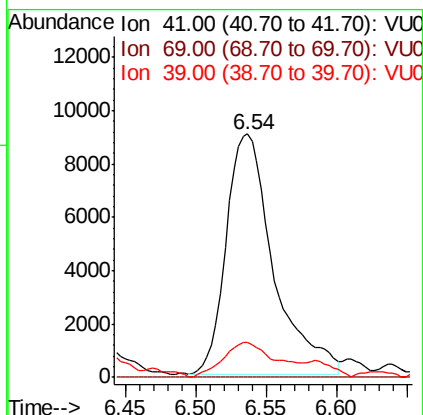
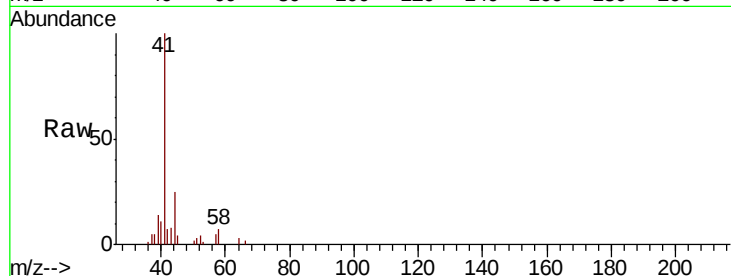




#48
Methvl methacrvlate
Concen: 2.387 ug/l
RT: 6.54 min Scan# 1668
Delta R.T. -0.08 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

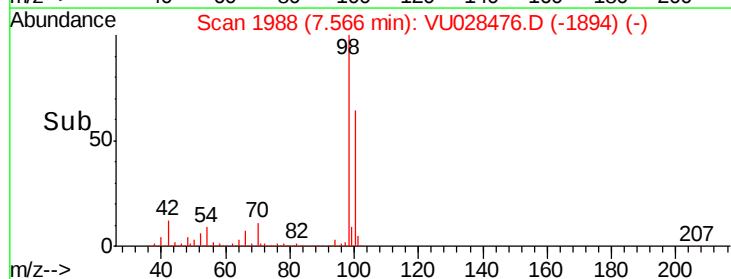
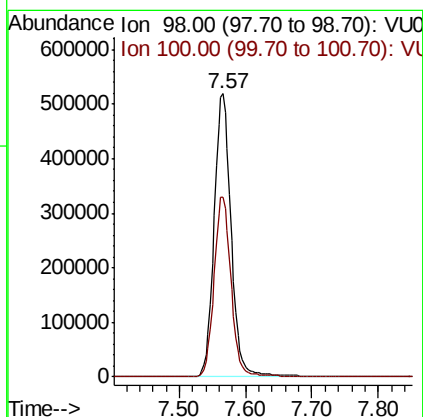
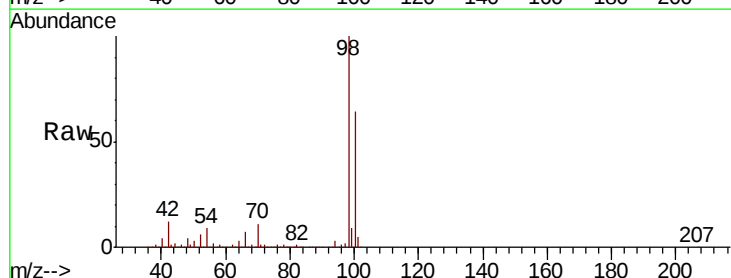
Instrument :
MSVOA_U
ClientSampleId :
TP-5

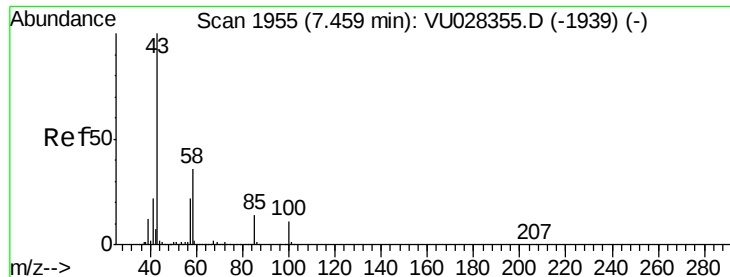
Tot Ion: 41 Resp: 21075
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.4#
39 15.7 40.5 60.7#



#50
Toluene-d8
Concen: 48.519 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 98 Resp: 925384
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 1.006 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

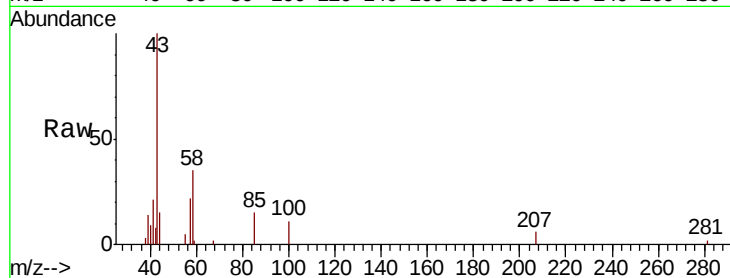
TP-5

Tot Ion: 43 Resp: 10894

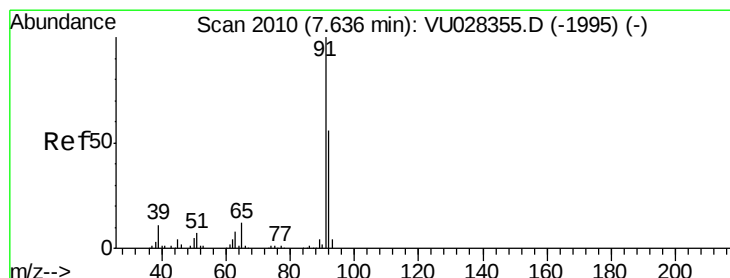
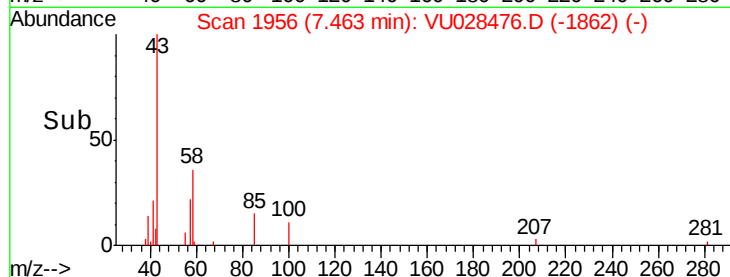
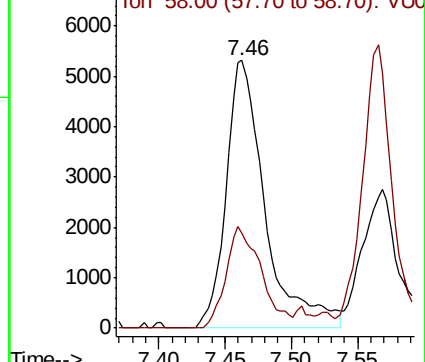
Ion Ratio Lower Upper

43 100

58 34.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)



#52

Toluene

Concen: 0.249 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028476.D

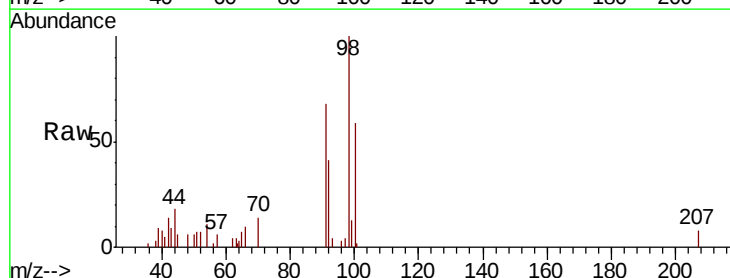
Acq: 05 Dec 2018 13:38

Tgt Ion: 92 Resp: 3339

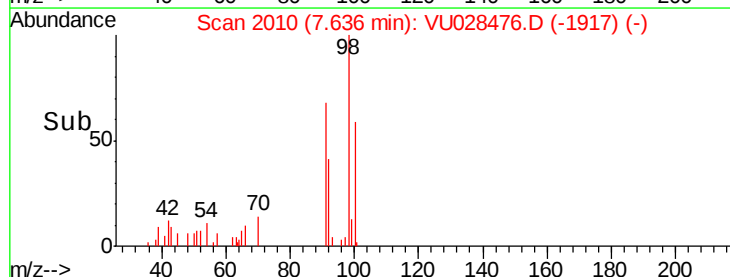
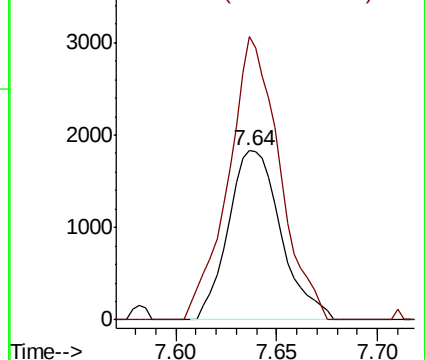
Ion Ratio Lower Upper

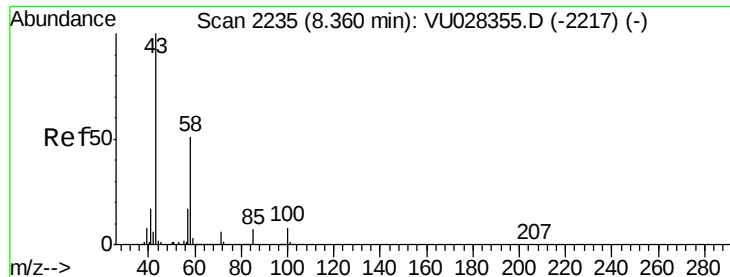
92 100

91 162.9 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

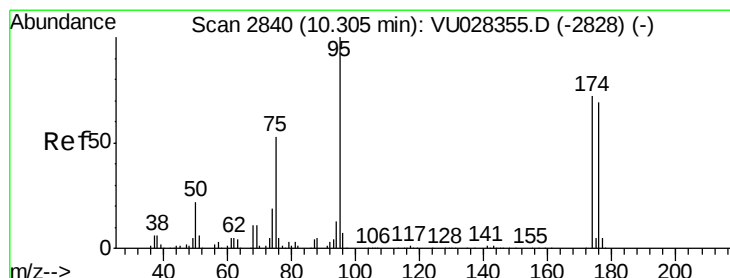
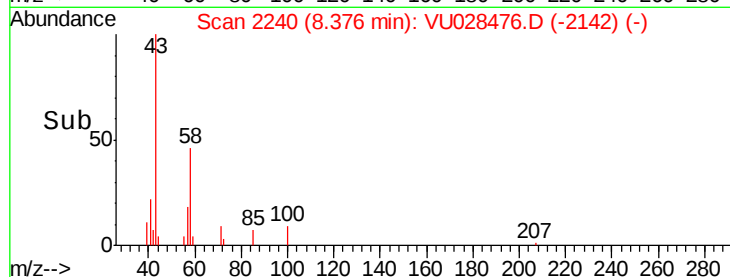
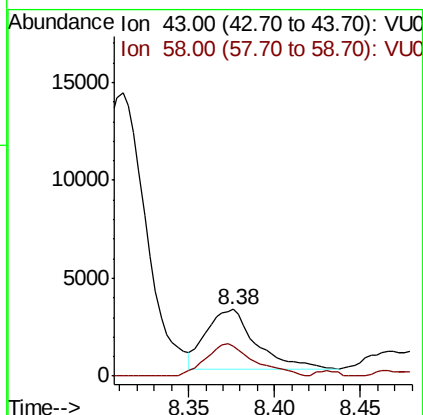
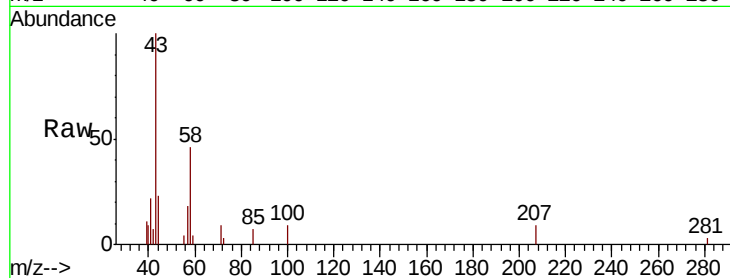




#59
2-Hexanone
Concen: 0.729 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.02 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

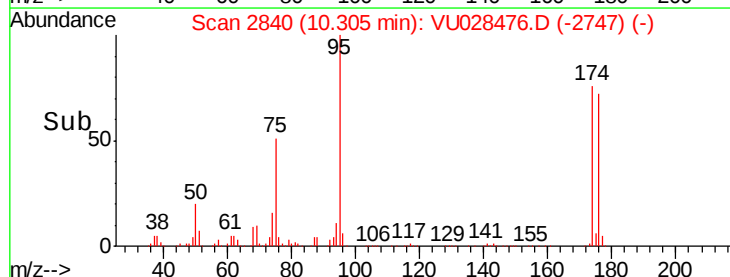
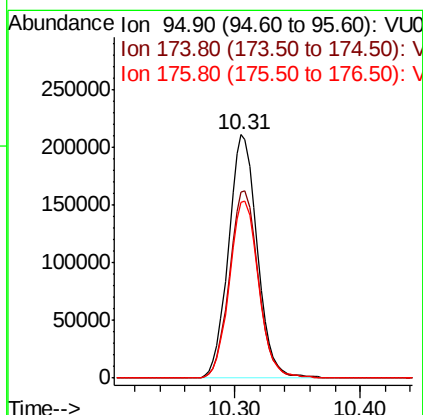
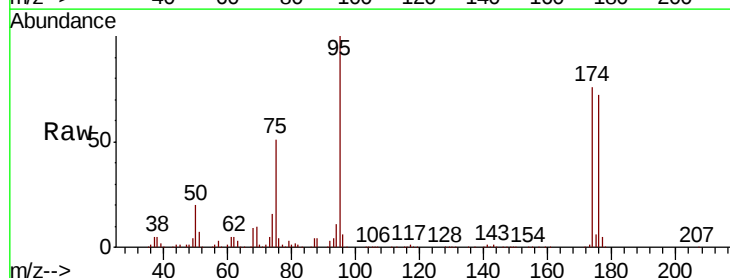
Instrument :
MSVOA_U
ClientSampled :
TP-5

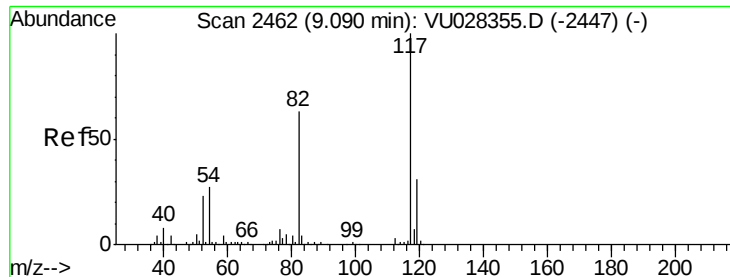
Tot Ion: 43 Resp: 6111
Ion Ratio Lower Upper
43 100
58 53.0 25.5 76.5



#62
4-Bromofluorobenzene
Concen: 48.815 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 95 Resp: 335566
Ion Ratio Lower Upper
95 100
174 77.7 0.0 145.4
176 74.3 0.0 140.8

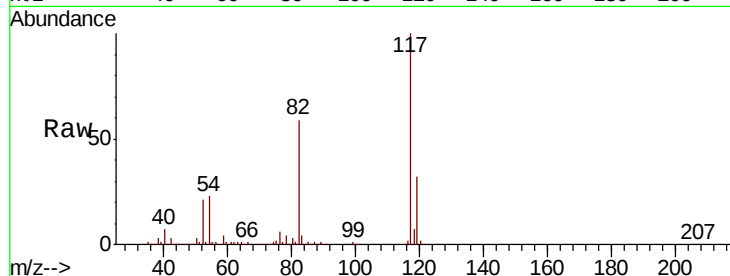




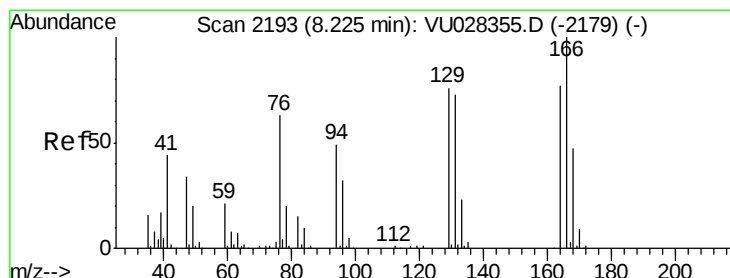
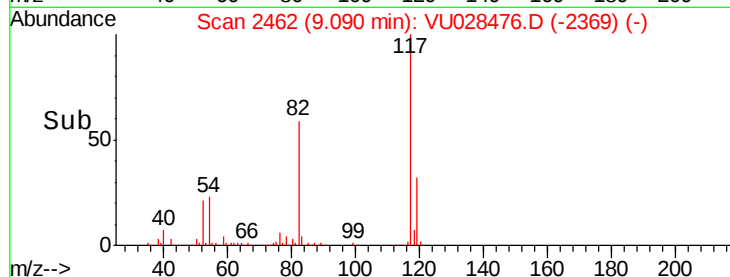
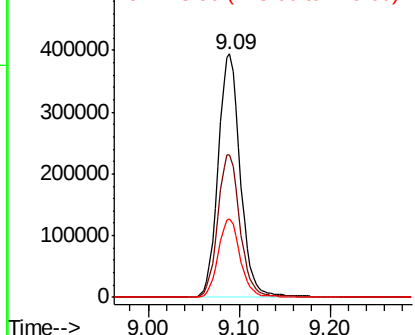
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Instrument :
MSVOA_U
ClientSampled :
TP-5

Tot Ion:117 Resp: 667871
Ion Ratio Lower Upper
117 100
82 58.7 50.3 75.5
119 32.2 24.8 37.2

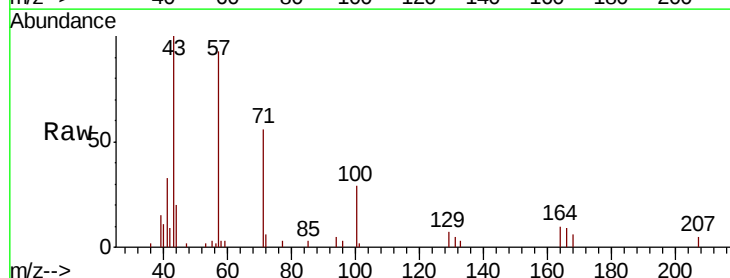


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

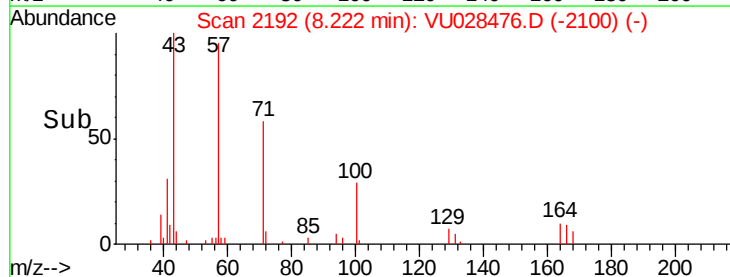
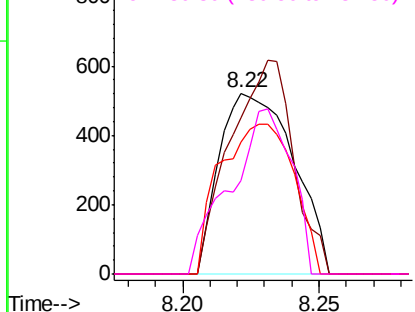


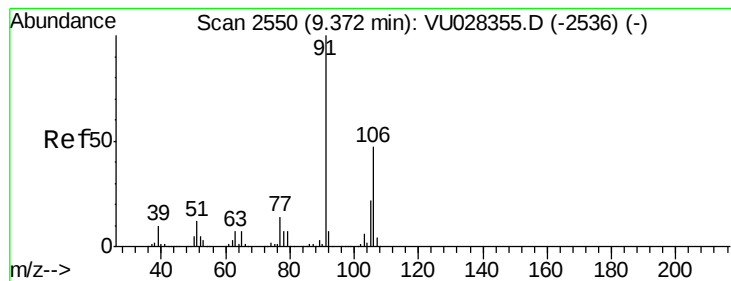
#64
Tetrachloroethene
Concen: 0.225 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion:164 Resp: 988
Ion Ratio Lower Upper
164 100
166 86.2 104.0 156.0#
129 73.0 79.2 118.8#
131 51.7 75.7 113.5#



Abundance Ion 163.80 (163.50 to 164.50): V
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





#68

m/p-Xylenes

Concen: 0.648 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

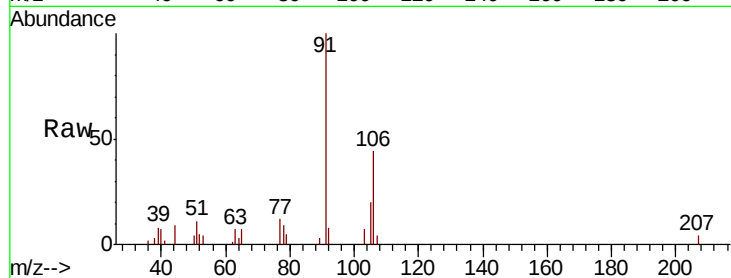
TP-5

Tot Ion:106 Resp: 6096

Ion Ratio Lower Upper

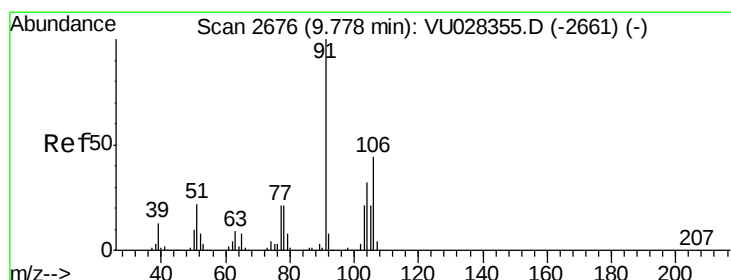
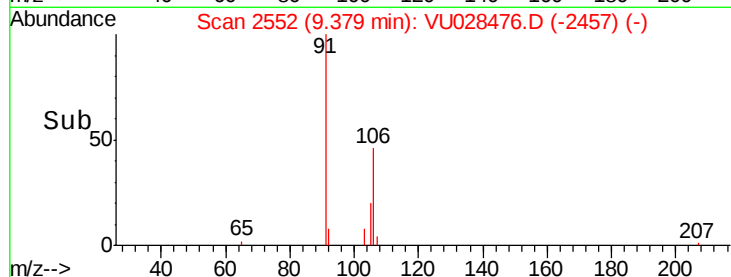
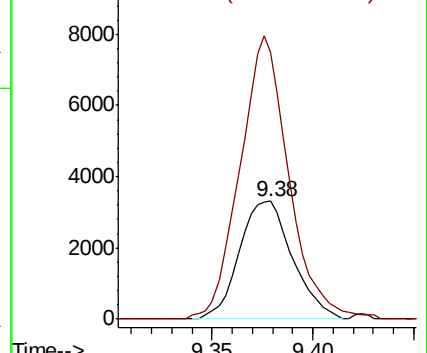
106 100

91 220.7 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 0.335 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028476.D

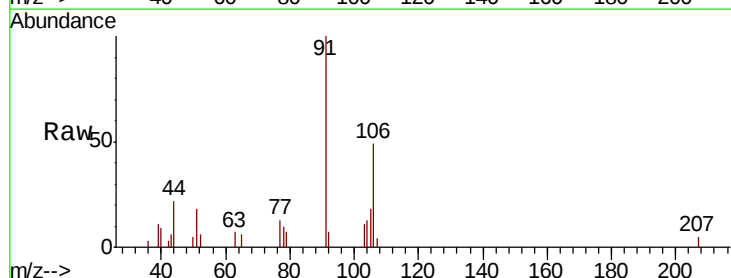
Acq: 05 Dec 2018 13:38

Tgt Ion:106 Resp: 3129

Ion Ratio Lower Upper

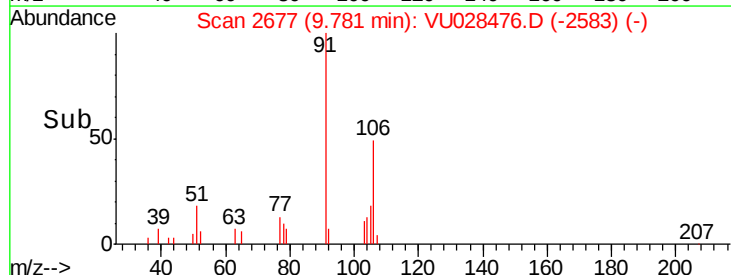
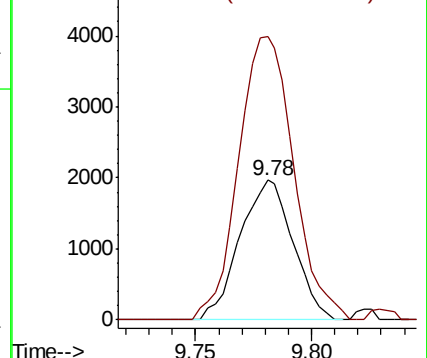
106 100

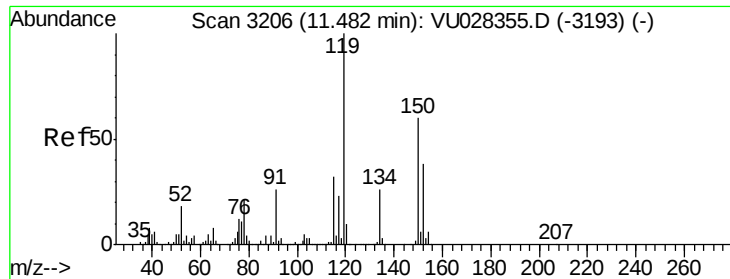
91 210.3 112.7 338.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



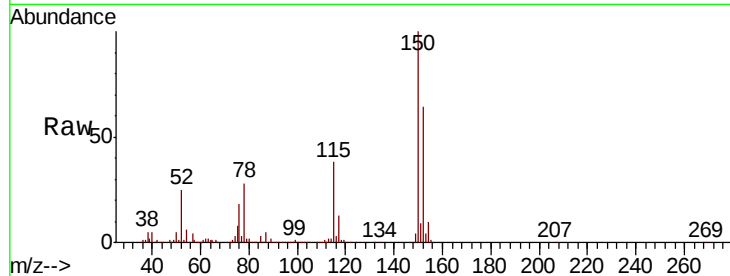


#72

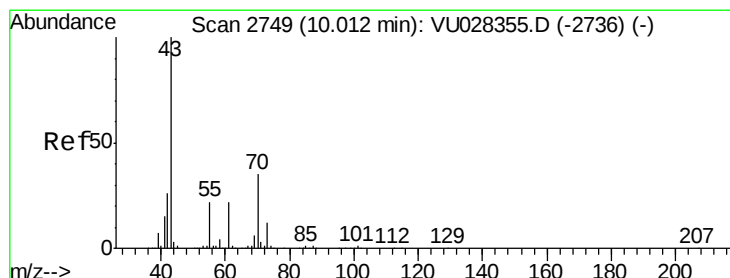
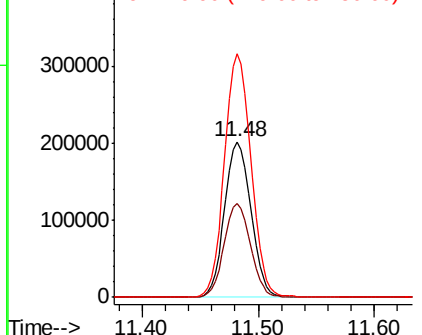
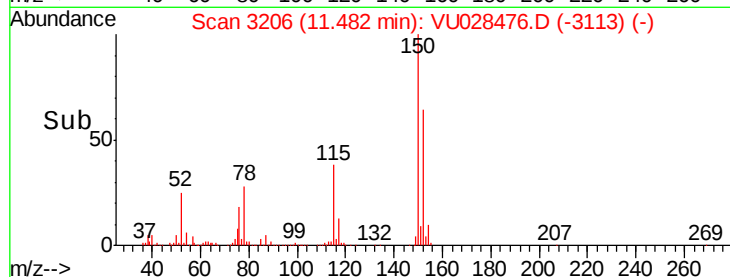
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
TP-5

Tot Ion:152 Resp: 318944
Ion Ratio Lower Upper
152 100
115 60.1 45.0 134.8
150 156.8 0.0 349.2



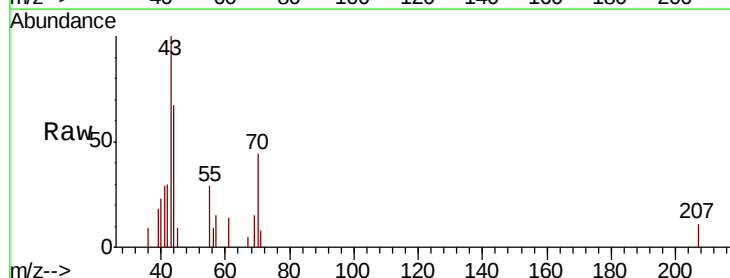
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



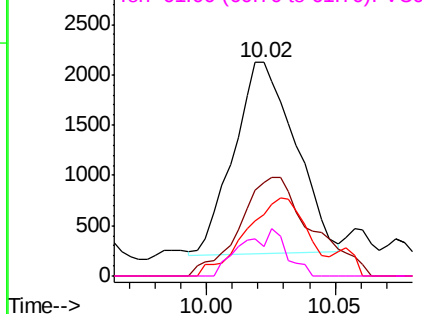
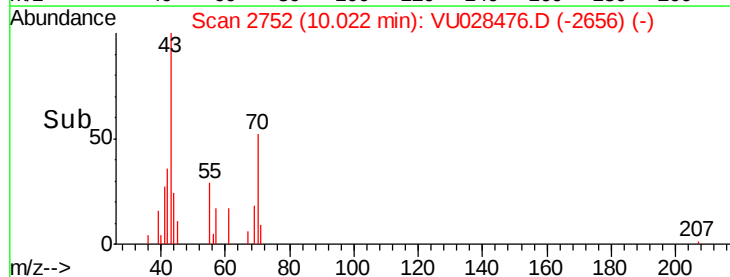
#74

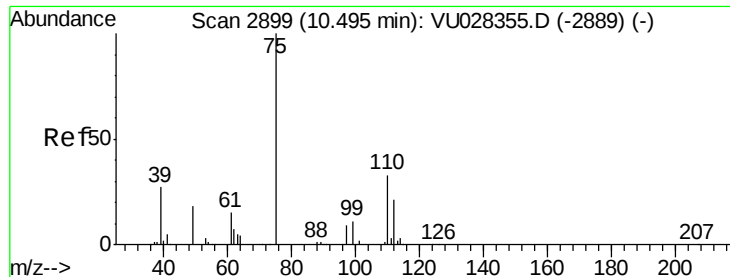
N-ethyl acetate
Concen: 0.204 ug/l
RT: 10.02 min Scan# 2752
Delta R.T. 0.01 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion: 43 Resp: 3174
Ion Ratio Lower Upper
43 100
70 59.5 28.4 42.6#
55 40.8 18.0 27.0#
61 17.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 19.416 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

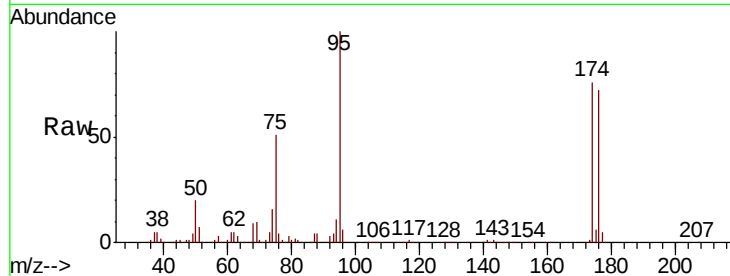
TP-5

Tot Ion: 75 Resp: 171727

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028355.D (-2889) (-)

10.31

120000

100000

80000

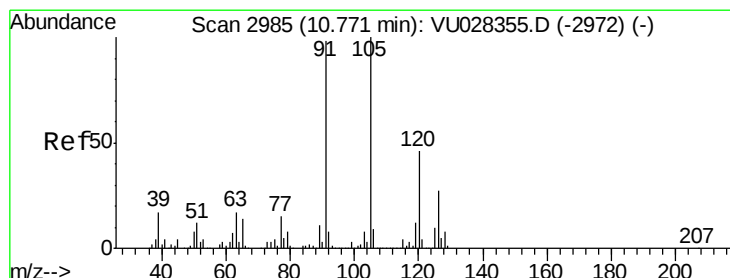
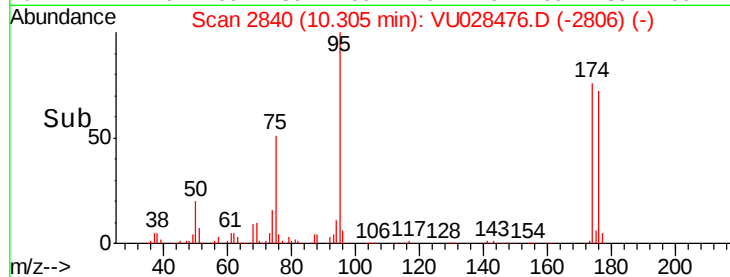
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.333 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU028476.D

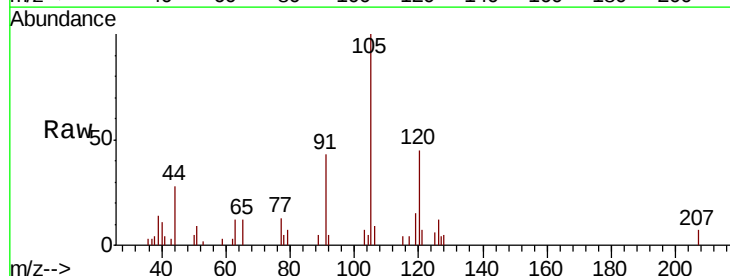
Acq: 05 Dec 2018 13:38

Tgt Ion: 105 Resp: 6952

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

10.77

5000

4000

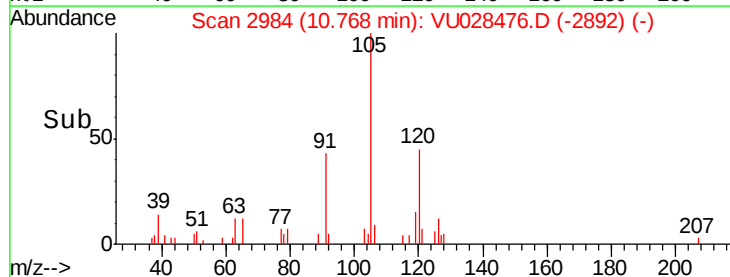
3000

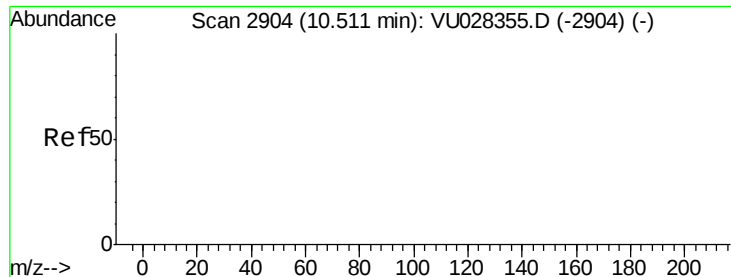
2000

1000

0

Time-->

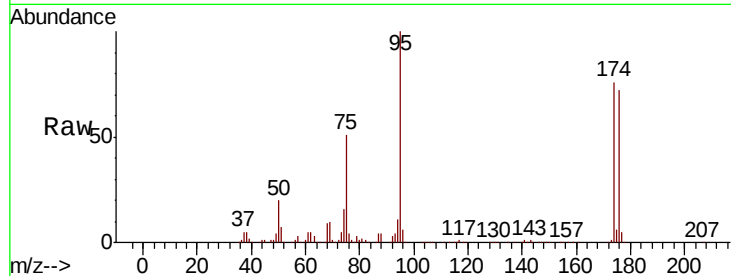




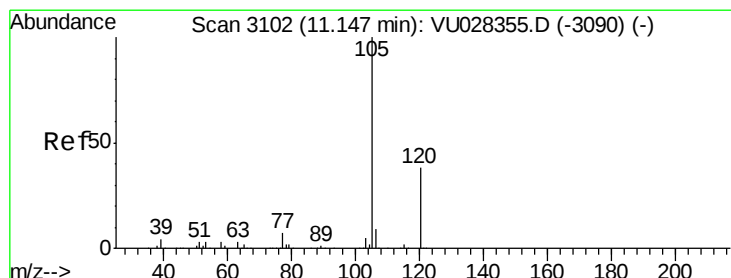
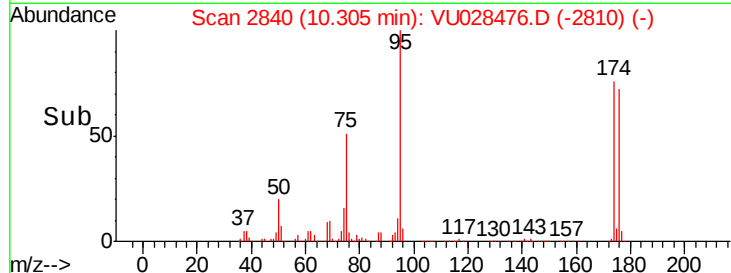
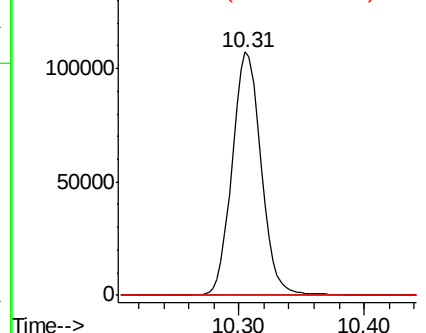
#81
trans-1,4-Dichloro-2-butene
Concen: 51.540 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Instrument :
MSVOA_U
ClientSampled :
TP-5

Tot Ion: 75 Resp: 171727
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

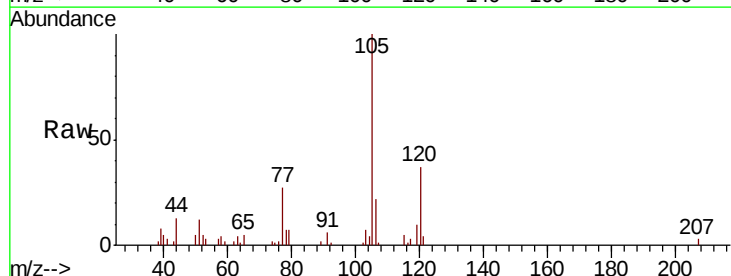


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

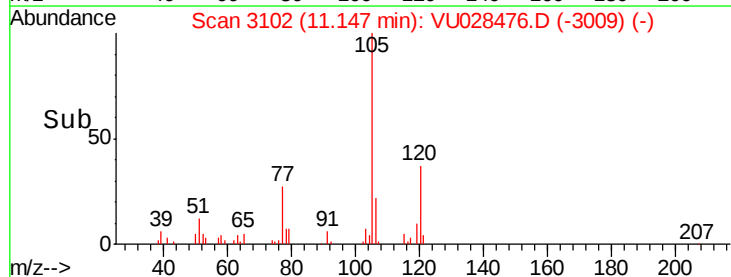
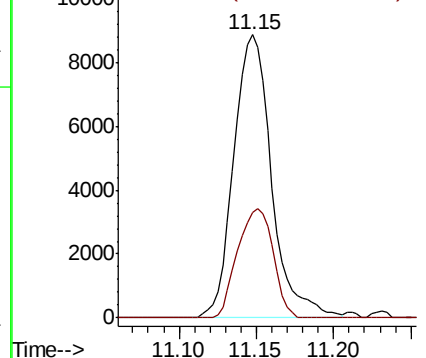


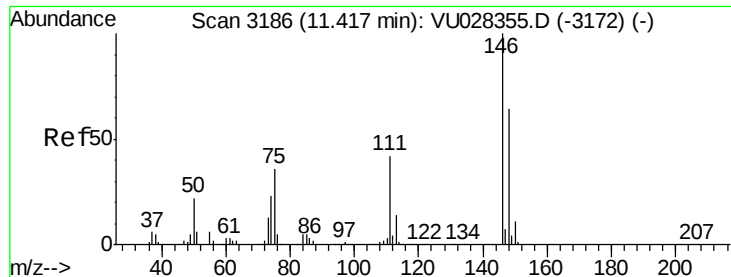
#84
1,2,4-Trimethylbenzene
Concen: 0.710 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028476.D
Acq: 05 Dec 2018 13:38

Tgt Ion:105 Resp: 15039
Ion Ratio Lower Upper
105 100
120 36.3 21.4 64.3



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





#87

1,3-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

TP-5

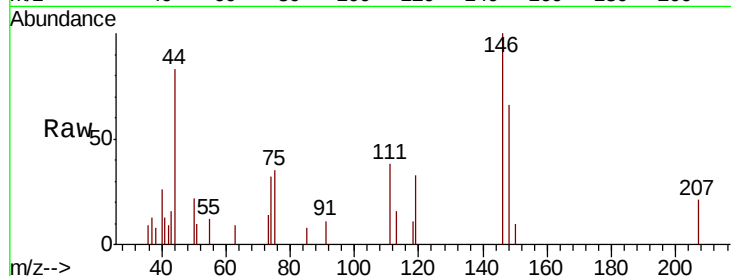
Tot Ion:146 Resp: 2334

Ion Ratio Lower Upper

146 100

111 44.5 20.8 62.4

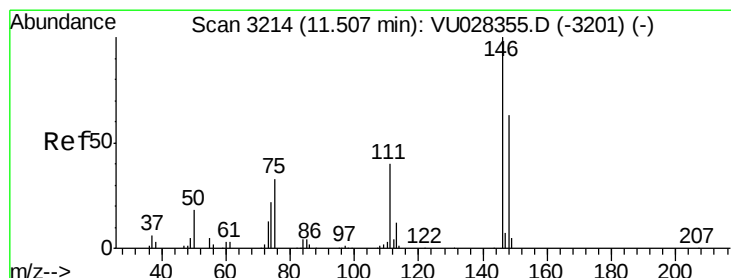
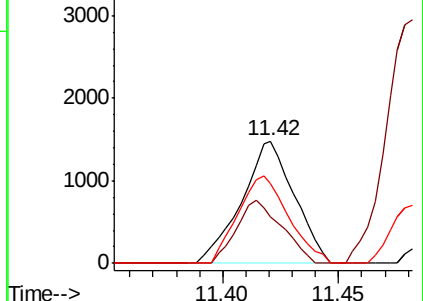
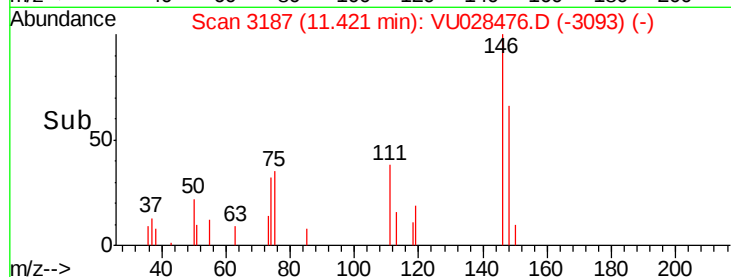
148 68.6 31.8 95.3



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: 0.218 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. -0.09 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

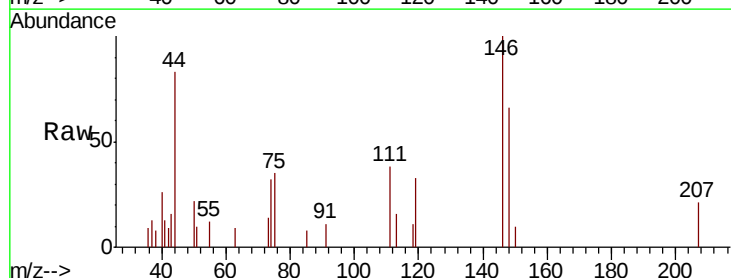
Tgt Ion:146 Resp: 2334

Ion Ratio Lower Upper

146 100

111 44.5 20.6 61.9

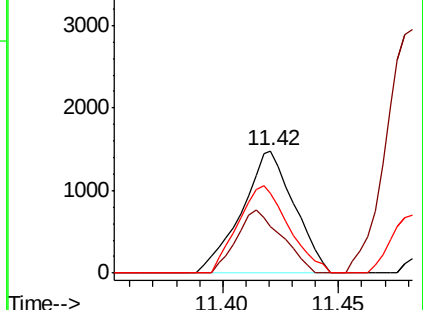
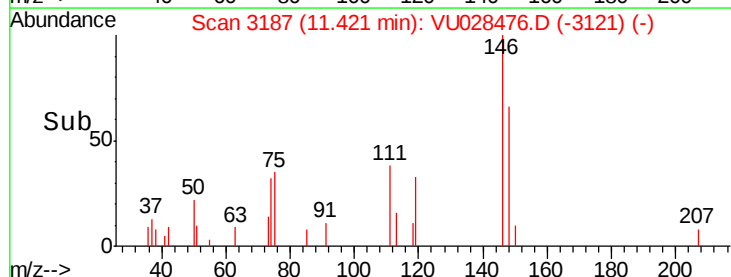
148 68.6 31.1 93.5

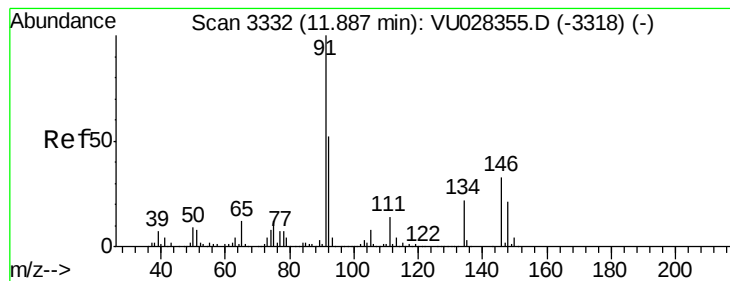


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.320 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

TP-5

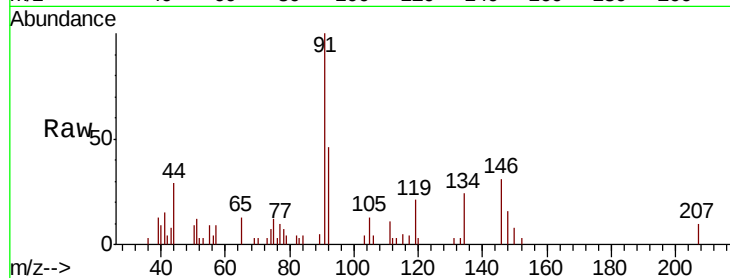
Tot Ion: 91 Resp: 6579

Ion Ratio Lower Upper

91 100

92 43.1 26.2 78.5

134 33.3 11.1 33.1#

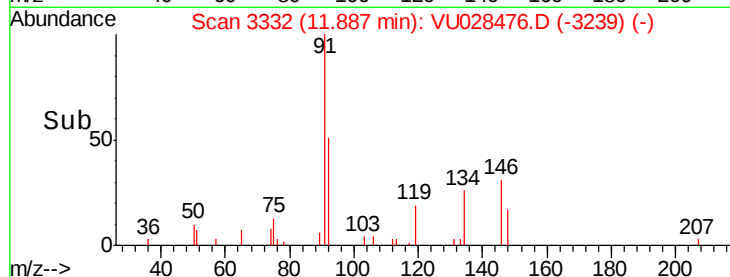


Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-3318) (-)

Ion 92.00 (91.70 to 92.70): VU028355.D (-3318) (-)

Ion 134.00 (133.70 to 134.70): VU028355.D (-3318) (-)

Time-->

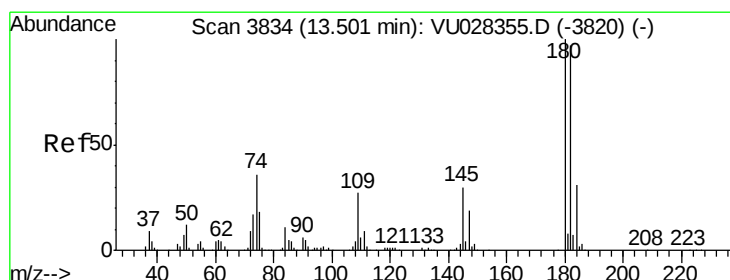


Abundance Ion 91.00 (90.70 to 91.70): VU028476.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028476.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028476.D (-3239) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.537 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

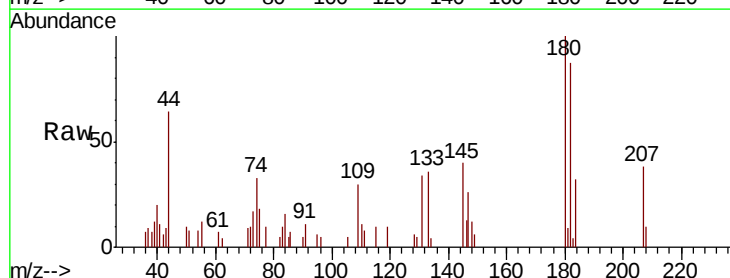
Tgt Ion: 180 Resp: 3741

Ion Ratio Lower Upper

180 100

182 102.7 48.3 144.9

145 38.0 15.2 45.5

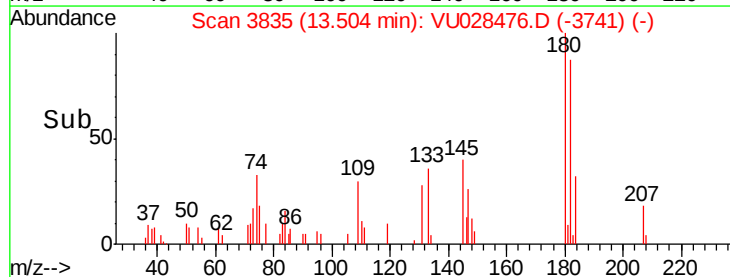


Abundance Ion 179.80 (179.50 to 180.50): VU028355.D (-3820) (-)

Ion 181.80 (181.50 to 182.50): VU028355.D (-3820) (-)

Ion 144.80 (144.50 to 145.50): VU028355.D (-3820) (-)

Time-->

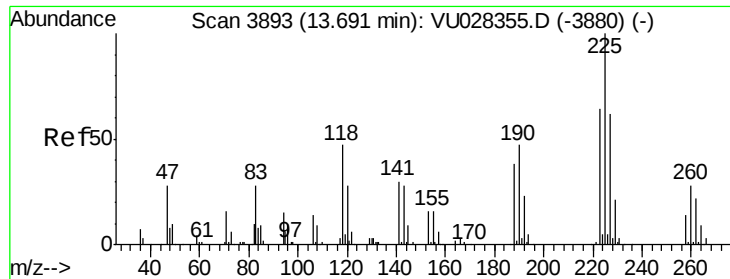


Abundance Ion 179.80 (179.50 to 180.50): VU028476.D (-3741) (-)

Ion 181.80 (181.50 to 182.50): VU028476.D (-3741) (-)

Ion 144.80 (144.50 to 145.50): VU028476.D (-3741) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 0.376 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

TP-5

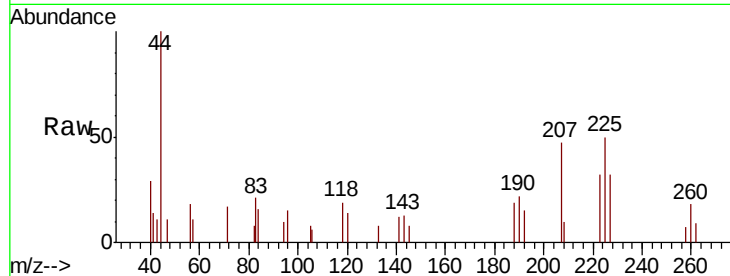
Tot Ion:225 Resp: 1235

Ion Ratio Lower Upper

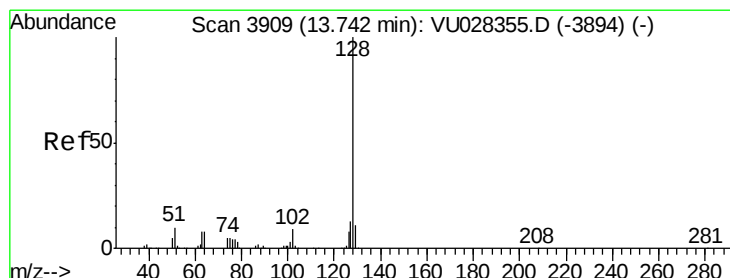
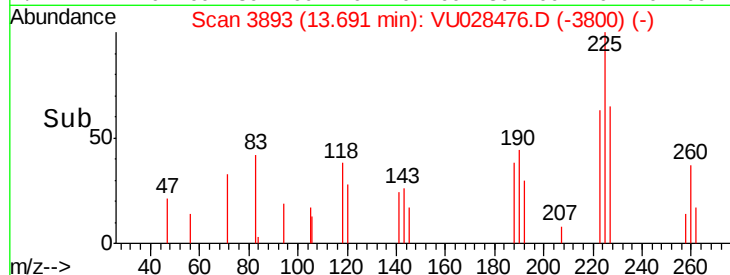
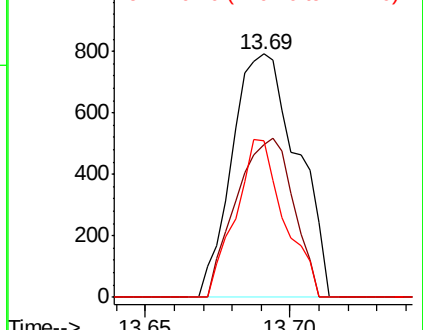
225 100

223 57.6 31.6 94.7

227 48.1 30.8 92.4



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: 9.257 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028476.D

Acq: 05 Dec 2018 13:38

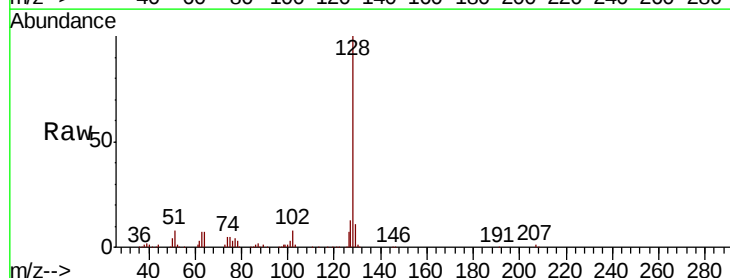
Tgt Ion:128 Resp: 182730

Ion Ratio Lower Upper

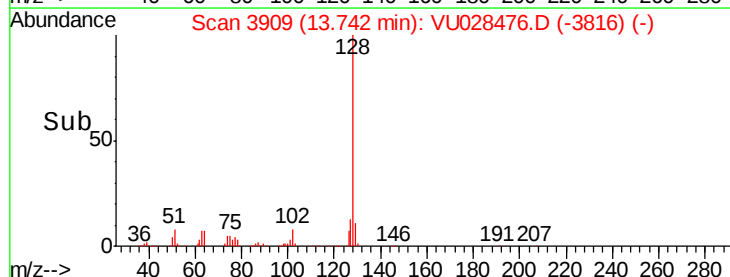
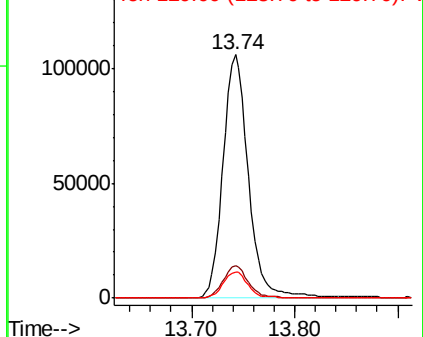
128 100

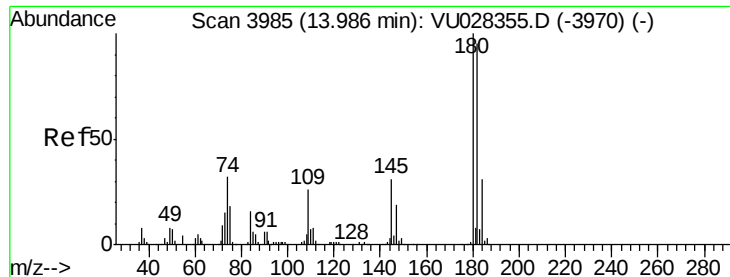
127 13.1 10.6 15.8

129 10.7 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

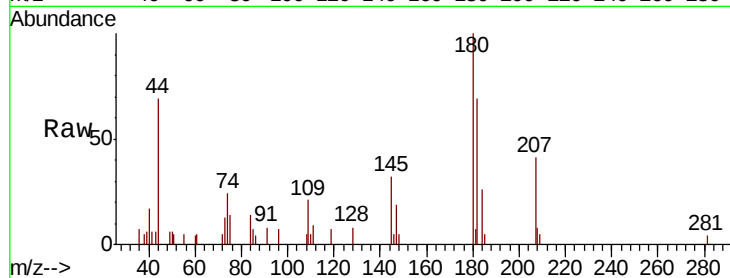




#96
 1,2,3-Trichlorobenzene
 Concen: 0.586 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028476.D
 Acq: 05 Dec 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-5

Tot Ion:180 Resp: 4124
 Ion Ratio Lower Upper
 180 100
 182 90.3 47.7 143.1
 145 46.8 15.7 47.1



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

