

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028716.D
 Acq On : 17 Dec 2018 13:30
 Operator : MD/SY
 Sample : J6411-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:06:29 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	76866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	123492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	61424	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	4.88	113	46080	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	7.57	98	177488	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	10.30	95	62807	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	1297	0.685	ug/l	95
11) Tert butyl alcohol	2.83	59	1078	4.125	ug/l #	73
16) Acetone	2.32	43	4552	5.947	ug/l	99
18) Methyl Acetate	2.62	43	1142	0.576	ug/l #	56
25) 2-Butanone	4.29	43	1196	1.143	ug/l	94
31) Cyclohexane	4.98	56	3022	0.313	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6358	4.326	ug/l #	49
37) Ethyl Acetate	4.29	43	1196	0.629	ug/l #	70
38) Carbon Tetrachloride	4.98	117	8129	6.862	ug/l #	15
39) Methylcyclohexane	6.41	83	4090	2.281	ug/l	96
48) Methyl methacrylate	6.74	41	312	0.209	ug/l #	64
55) 1,1,2-Trichloroethane	8.04	97	5519	5.480	ug/l #	19
56) Ethyl methacrylate	8.05	69	1317	0.764	ug/l #	1
59) 2-Hexanone	8.16	43	3181	2.117	ug/l	65
60) Dibromochloromethane	8.23	129	270	0.274	ug/l #	10
67) Ethyl Benzene	9.25	91	22695	4.691	ug/l	98
68) m/p-Xylenes	9.38	106	29043	16.499	ug/l	96
69) o-Xylene	9.78	106	1398	0.817	ug/l	85
73) Isopropylbenzene	10.17	105	941030	216.714	ug/l	100
74) N-amyl acetate	10.05	43	17478	6.978	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.49	83	10223	6.129	ug/l #	41
76) 1,2,3-Trichloropropane	10.59	75	12966	8.973	ug/l #	1
78) n-propylbenzene	10.59	91	2185274	405.004	ug/l	99
79) 2-Chlorotoluene	10.59	91	2185274	703.104	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.70	105	150771	41.946	ug/l	72
81) trans-1,4-Dichloro-2-buten	10.59	75	12966	22.354	ug/l #	100
82) 4-Chlorotoluene	10.59	91	2185274	593.329	ug/l #	47
83) tert-Butylbenzene	11.10	119	77206	22.285	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	2002092	540.473	ug/l	100
85) sec-Butylbenzene	11.32	105	458710	103.063	ug/l	100
86) p-Isopropyltoluene	11.48	119	35858	9.484	ug/l	99
87) 1,3-Dichlorobenzene	11.51	146	852	0.444	ug/l #	52
88) 1,4-Dichlorobenzene	11.51	146	852	0.429	ug/l #	52
89) n-Butylbenzene	11.89	91	239150	62.501	ug/l #	81

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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

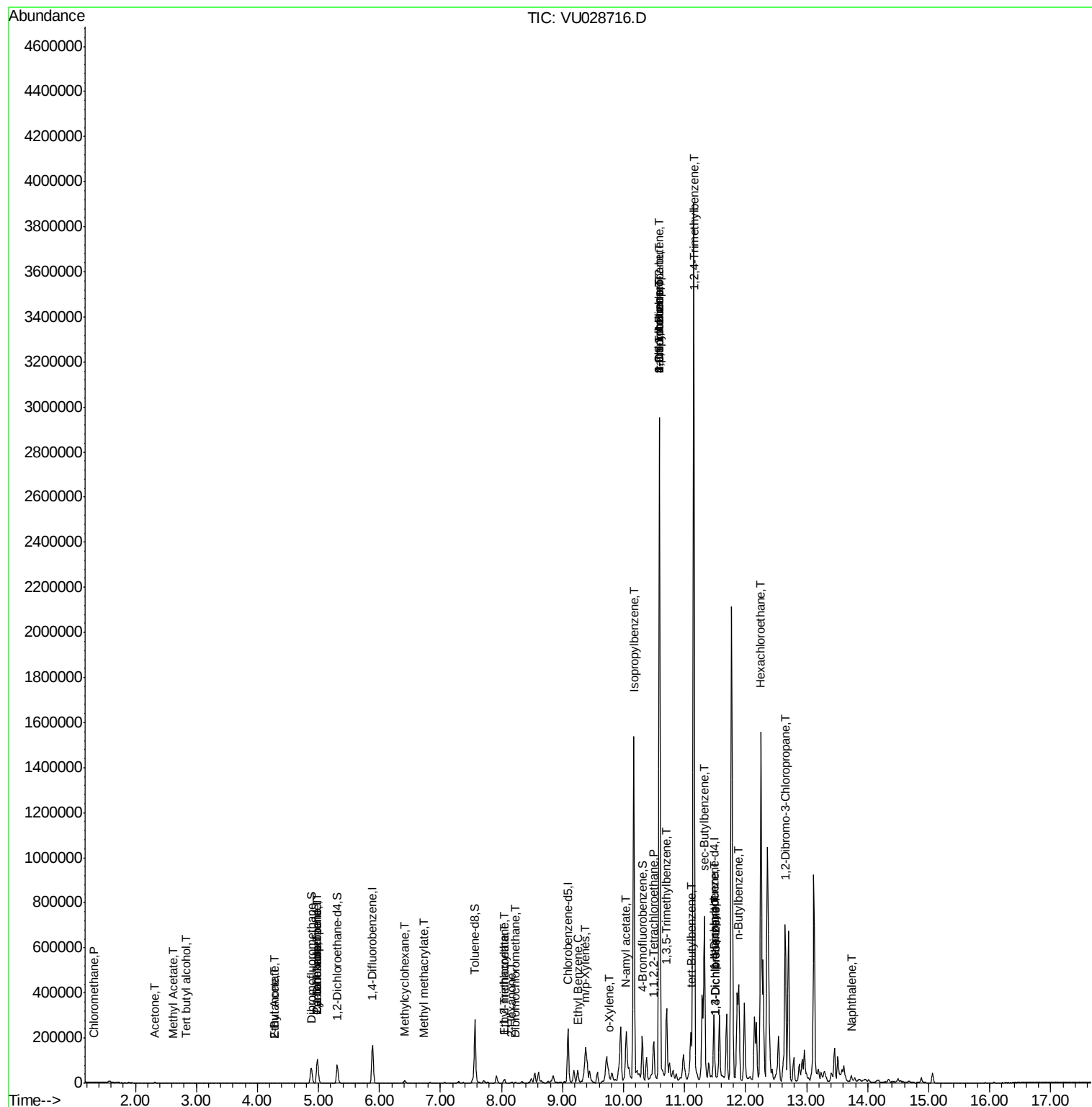
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.25	117	73895	129.310	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3238	8.966	ug/l #	6
95) Naphthalene	13.74	128	9797	2.128	ug/l #	84

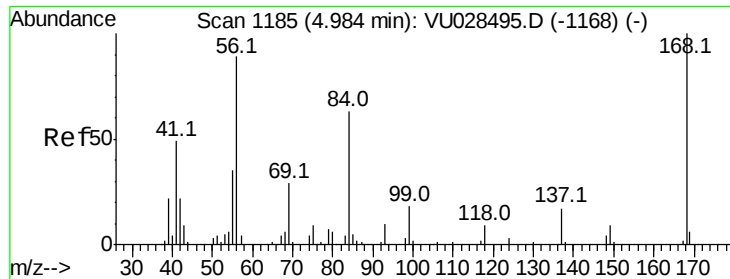
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

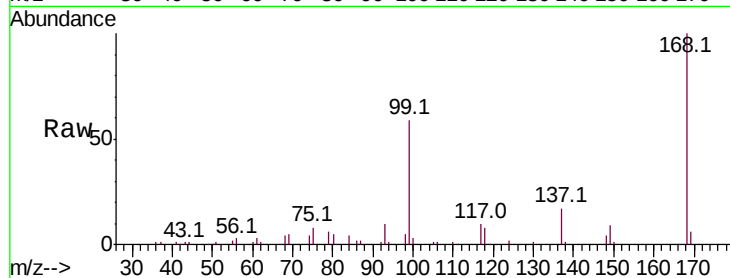
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 76866

Ion Ratio Lower Upper

168 100

99 58.5 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

40000

30000

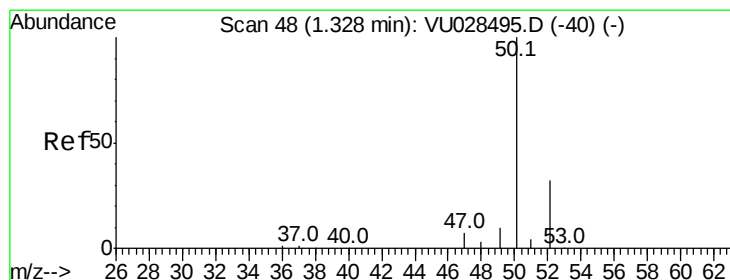
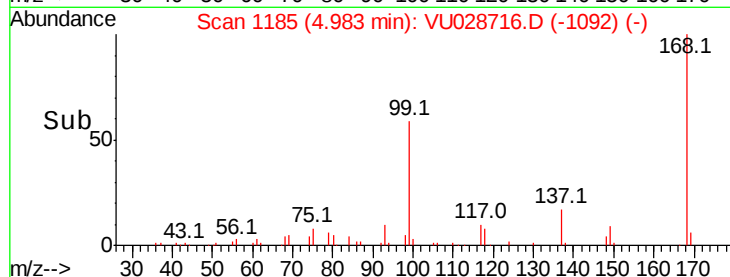
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.685 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028716.D

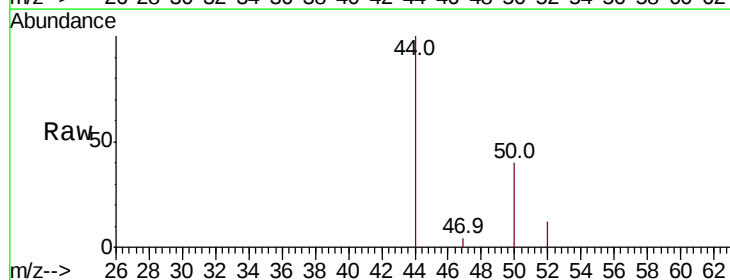
Acq: 17 Dec 2018 13:30

Tgt Ion: 50 Resp: 1297

Ion Ratio Lower Upper

50 100

52 29.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1200

1000

800

600

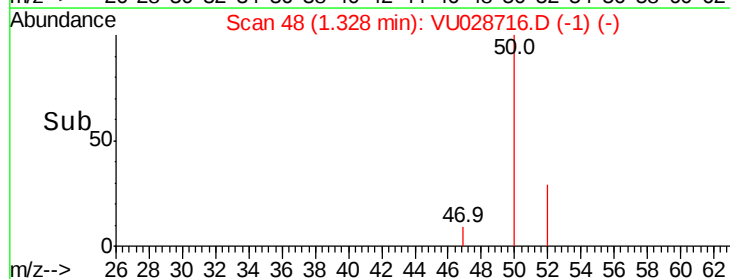
400

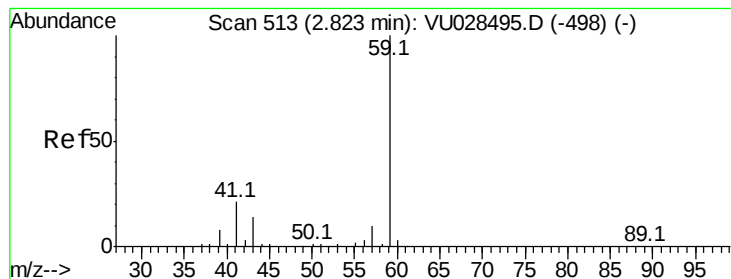
200

0

1.30 1.32 1.34 1.36

Time-->



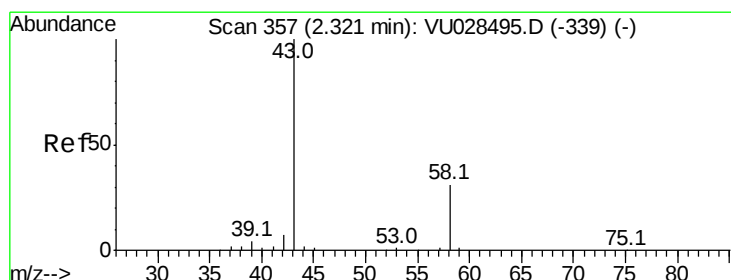
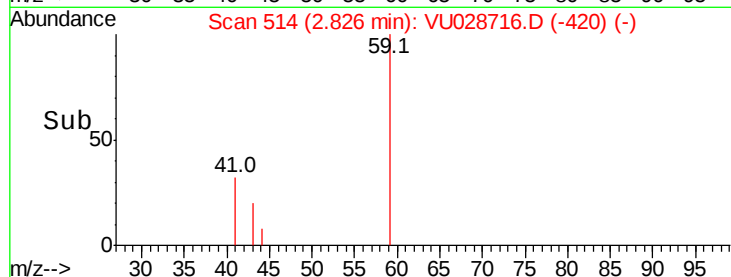
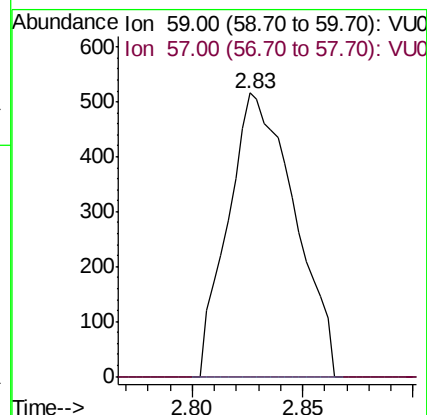
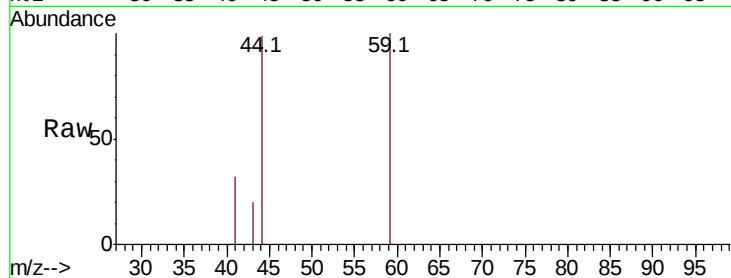


#11

Tert butyl alcohol
 Concen: 4.125 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

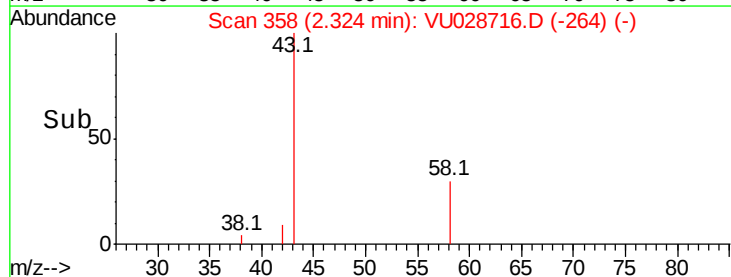
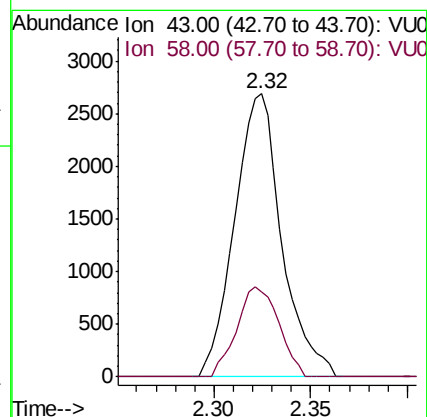
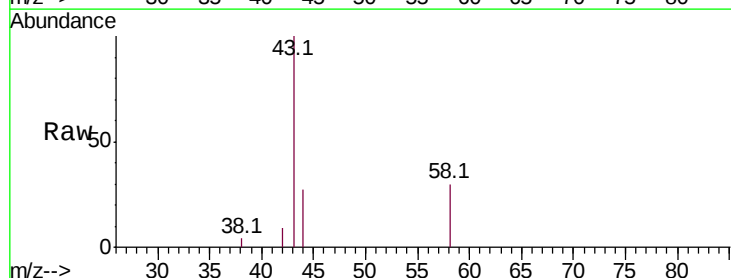
Tot Ion: 59 Resp: 1078
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

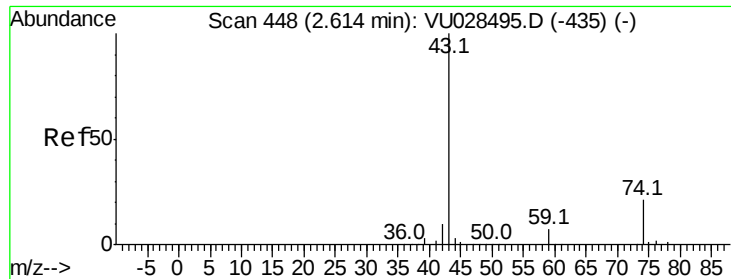


#16

Acetone
 Concen: 5.947 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion: 43 Resp: 4552
 Ion Ratio Lower Upper
 43 100
 58 30.2 24.6 37.0





#18

Methvl Acetate

Concen: 0.576 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

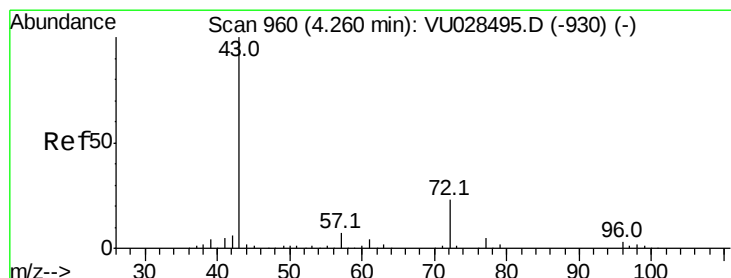
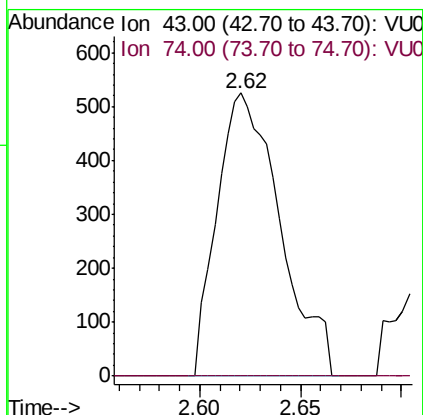
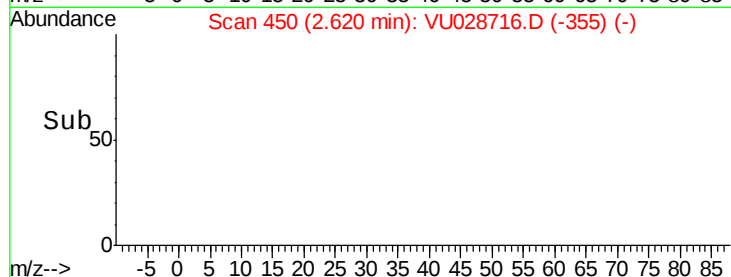
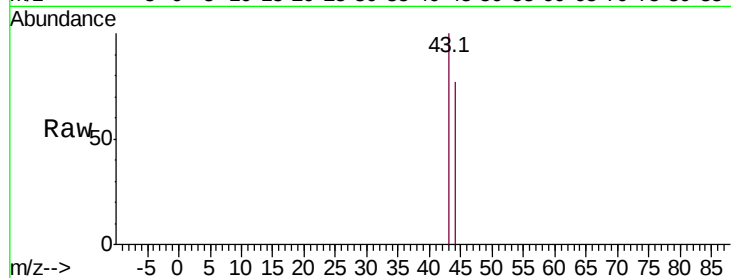
ClientSampleId :

Tot Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



#25

2-Butanone

Concen: 1.143 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU028716.D

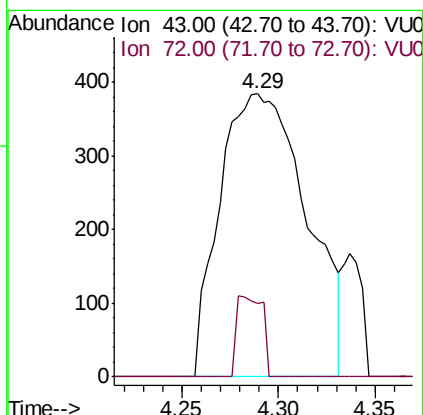
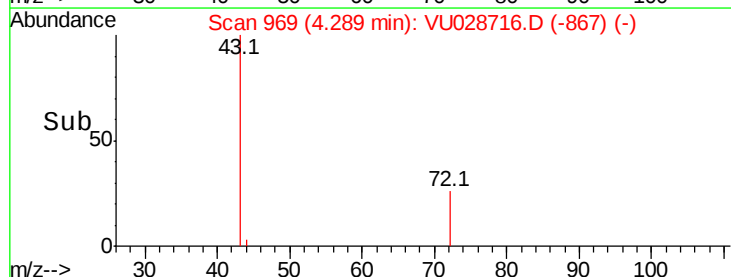
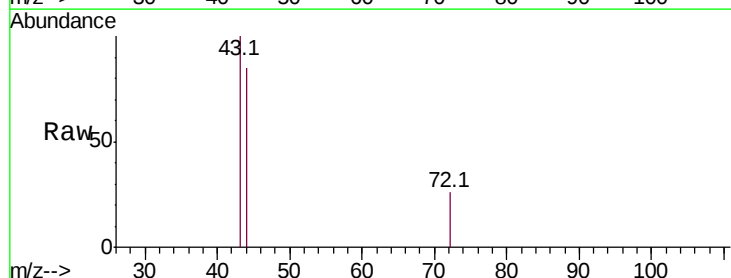
Acq: 17 Dec 2018 13:30

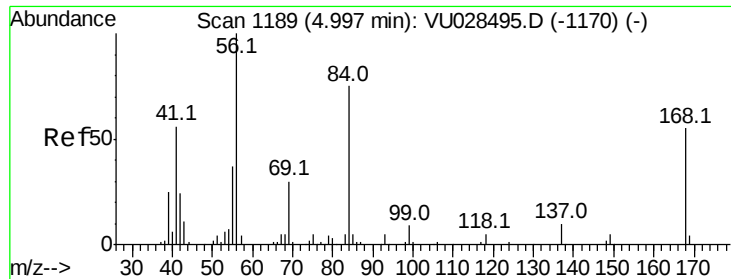
Tgt Ion: 43 Resp: 1196

Ion Ratio Lower Upper

43 100

72 26.0 18.6 28.0

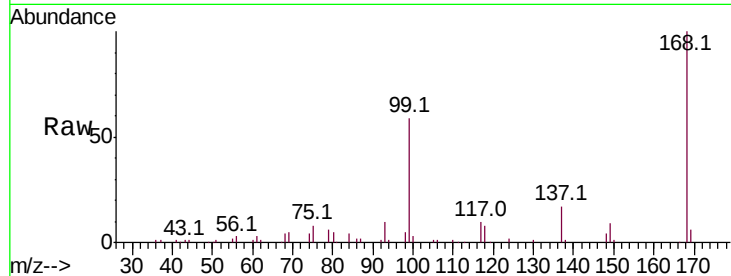




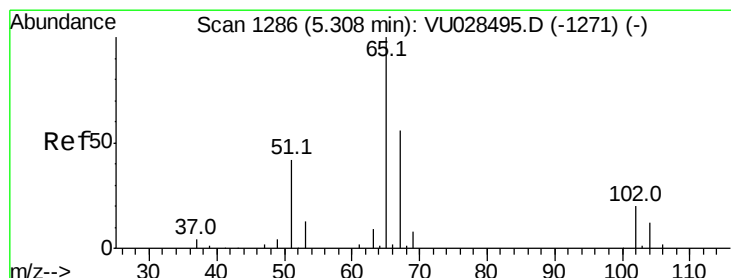
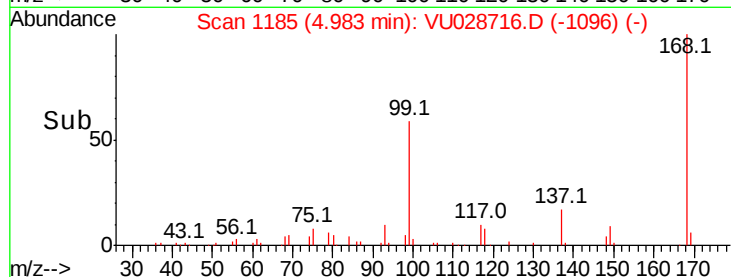
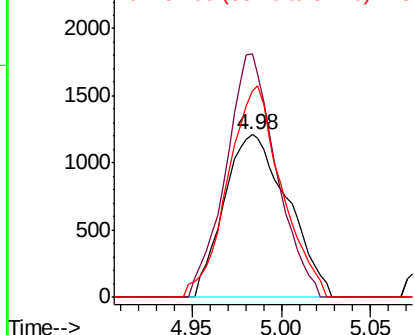
#31
Cyclohexane
Concen: 0.313 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 3022
Ion Ratio Lower Upper
56 100
69 149.7 24.0 36.0#
84 127.2 59.7 89.5#

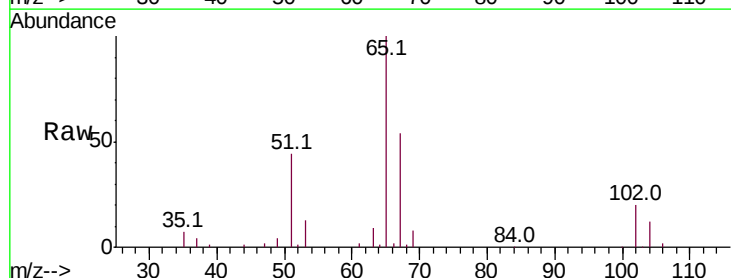


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

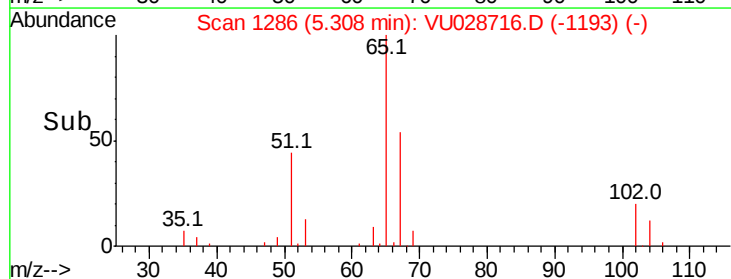
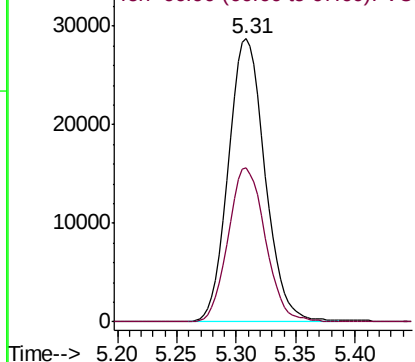


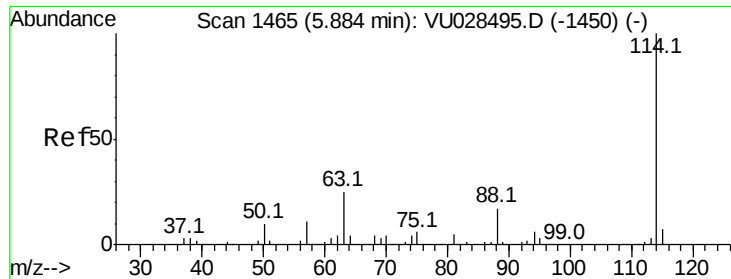
#33
1,2-Dichloroethane-d4
Concen: 52.364 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Tgt Ion: 65 Resp: 61424
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.6



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

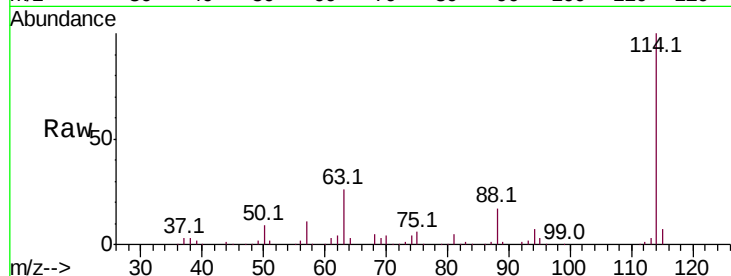




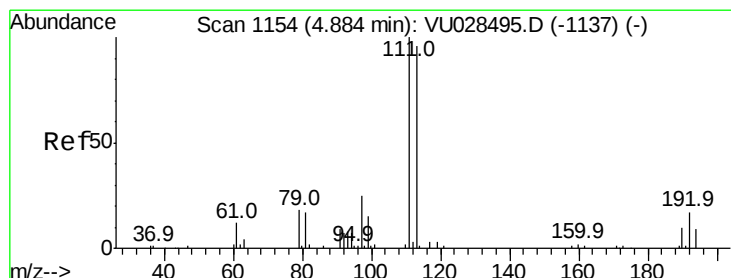
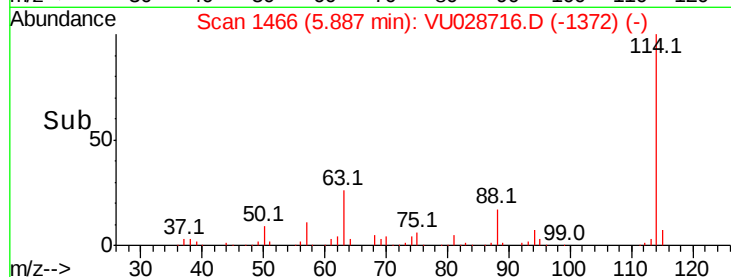
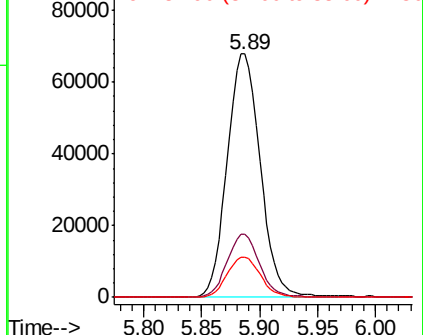
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	49.2
88	16.7	0.0	33.4

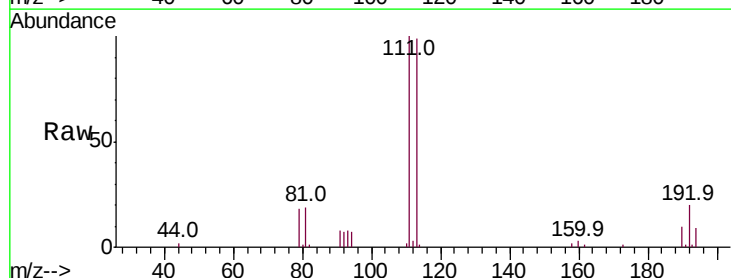


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

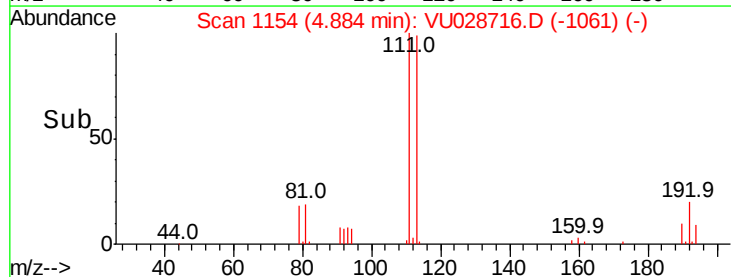
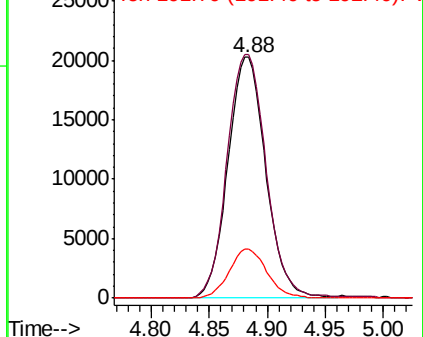


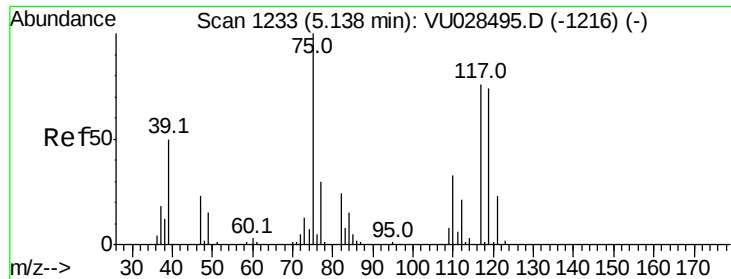
#35
 Dibromofluoromethane
 Concen: 54.518 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.4	125.0
192	20.1	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

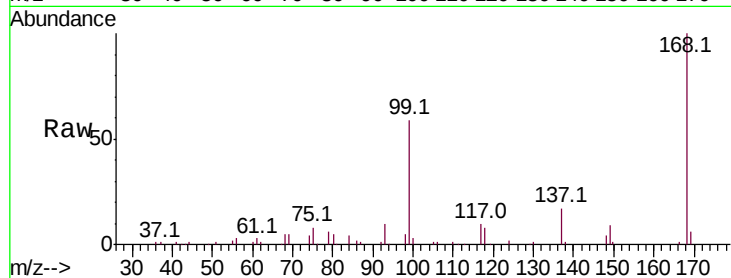




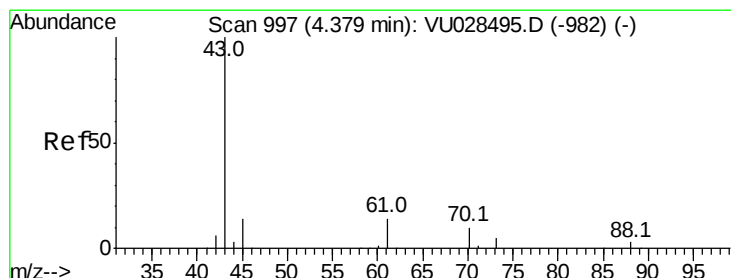
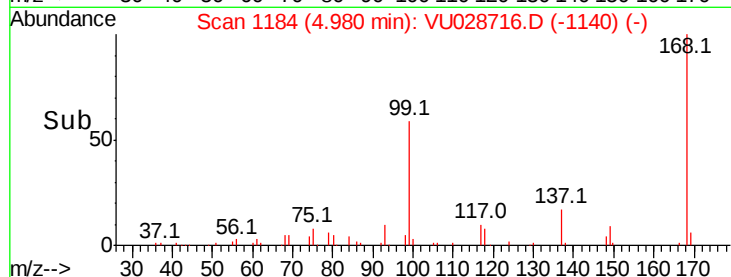
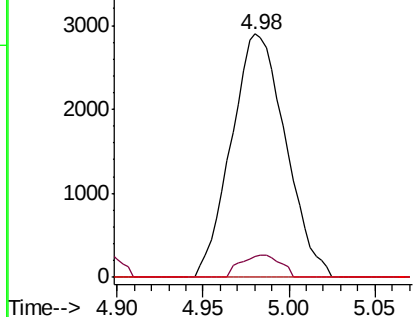
#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.1	48.2#
77	0.0	24.5	36.7#

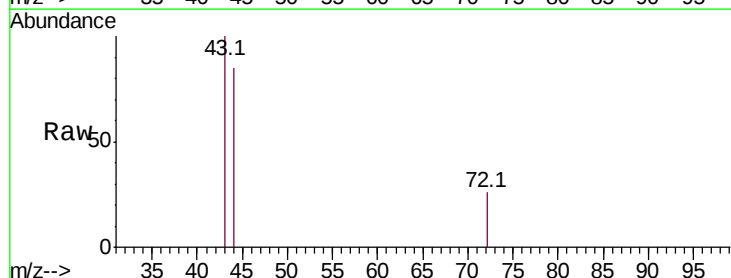


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

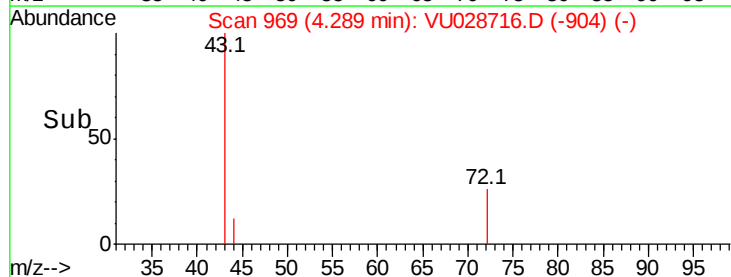
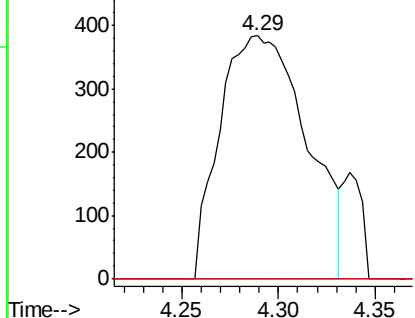


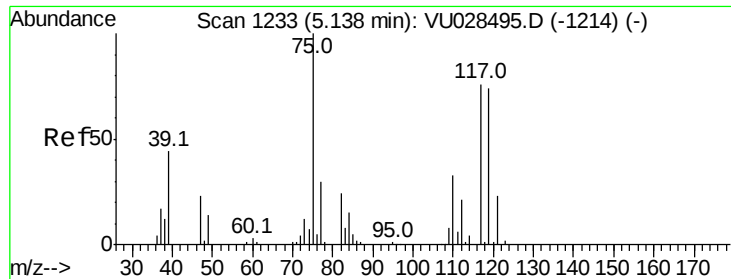
#37
 Ethyl Acetate
 Concen: 0.629 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. -0.09 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	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: 6.862 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

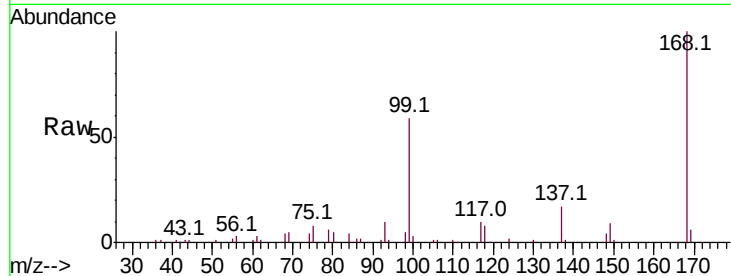
Tot Ion:117 Resp: 8129

Ion Ratio Lower Upper

117 100

119 4.0 77.6 116.4#

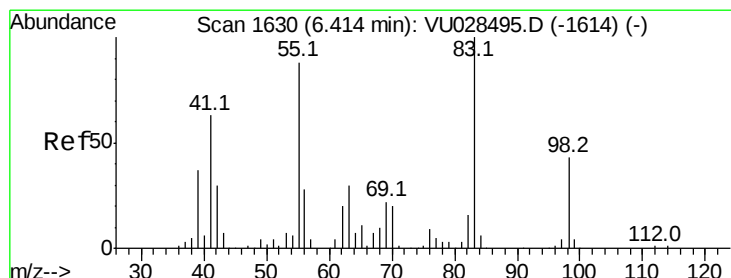
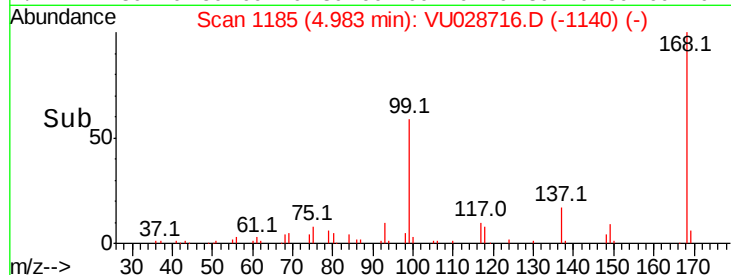
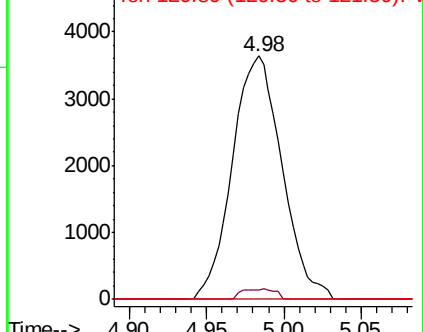
121 0.0 24.6 36.8#



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

Methylcyclohexane

Concen: 2.281 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

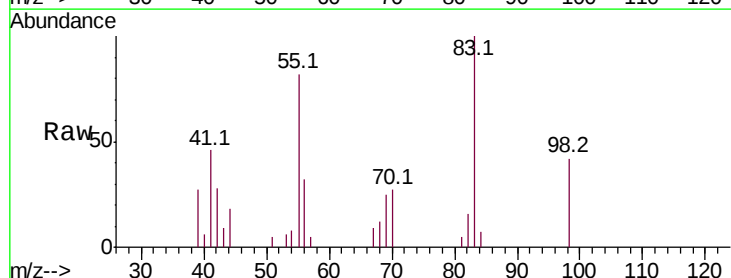
Tgt Ion: 83 Resp: 4090

Ion Ratio Lower Upper

83 100

55 82.4 70.2 105.2

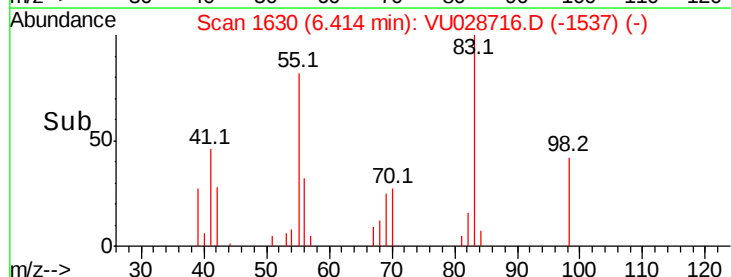
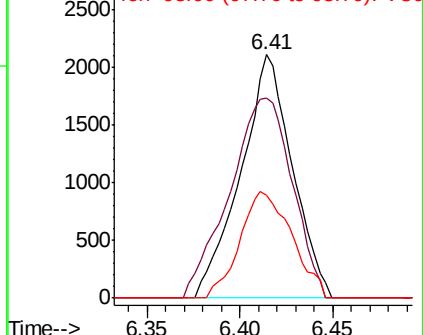
98 42.5 34.2 51.4

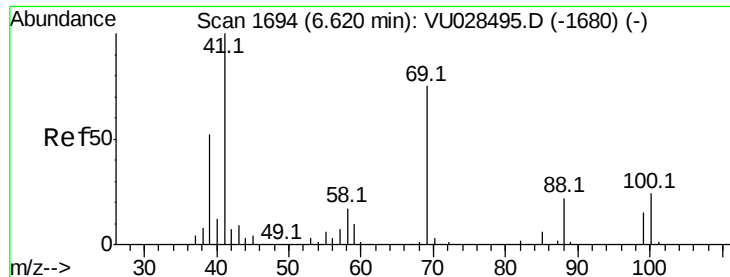


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#48

Methvl methacrylate

Concen: 0.209 ug/l

RT: 6.74 min Scan# 1730

Delta R.T. 0.12 min

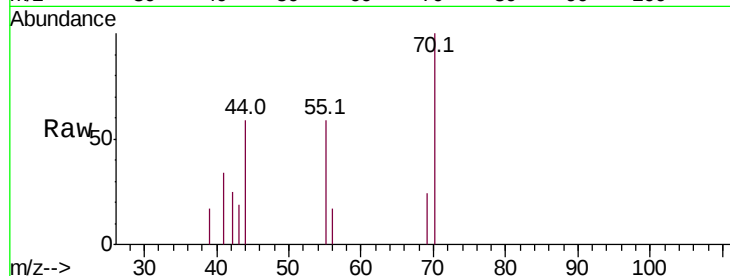
Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

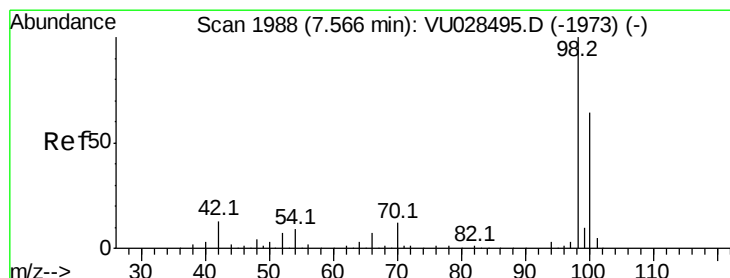
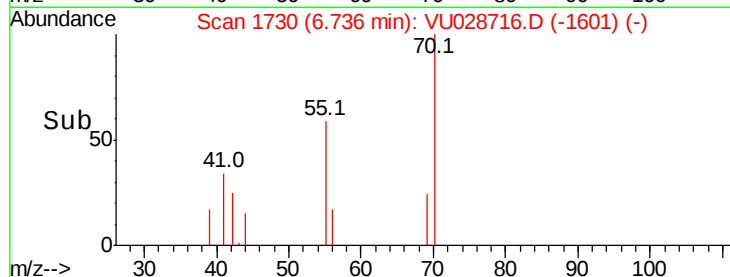
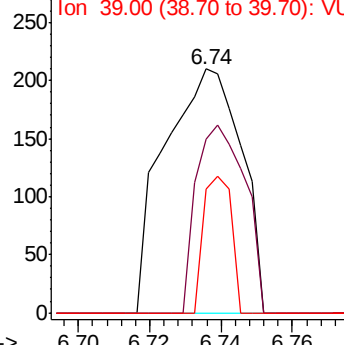
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 312

Ion	Ratio	Lower	Upper
41	100		
69	49.0	60.4	90.6#
39	20.5	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



#50

Toluene-d8

Concen: 53.083 ug/l

RT: 7.57 min Scan# 1988

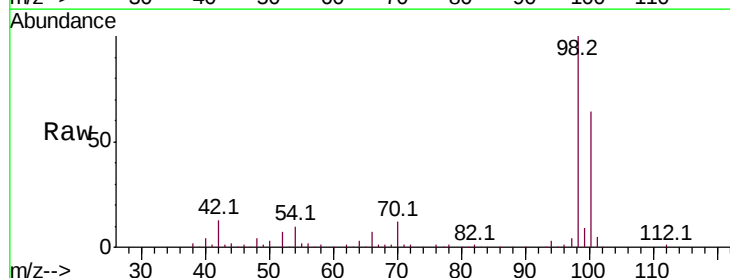
Delta R.T. -0.00 min

Lab File: VU028716.D

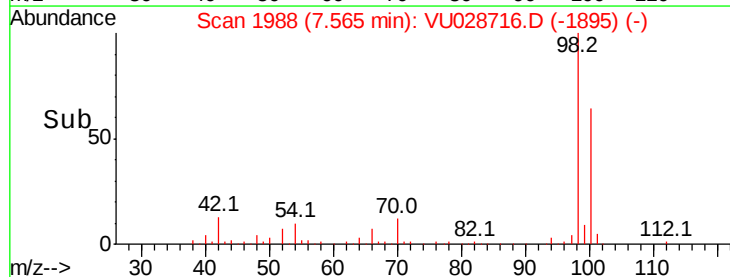
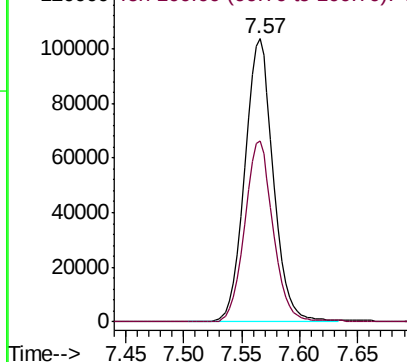
Acq: 17 Dec 2018 13:30

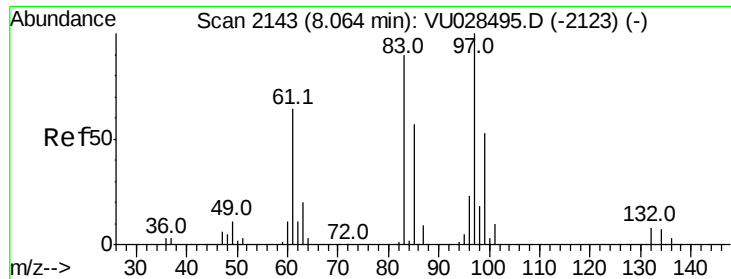
Tgt Ion: 98 Resp: 177488

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.6



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

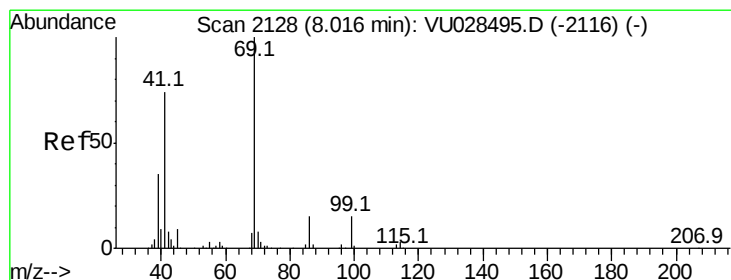
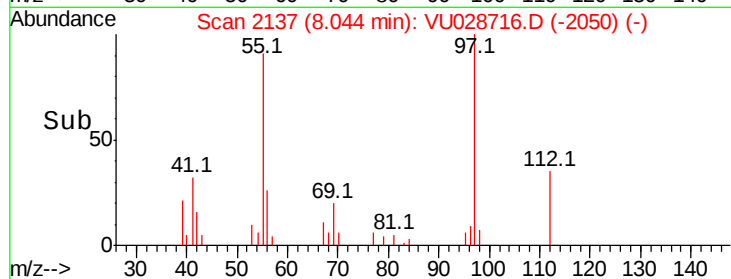
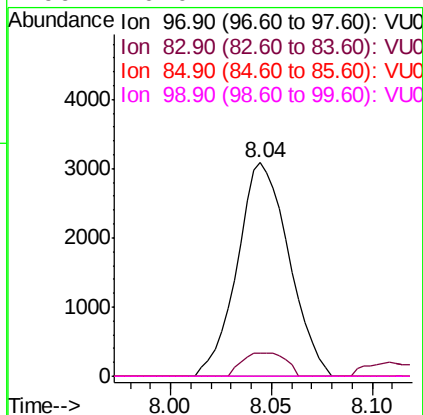
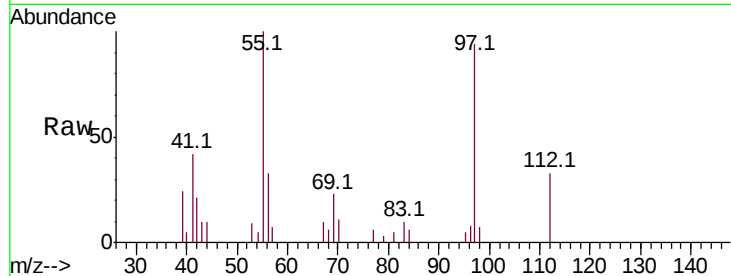




#55
 1,1,2-Trichloroethane
 Concen: 5.480 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

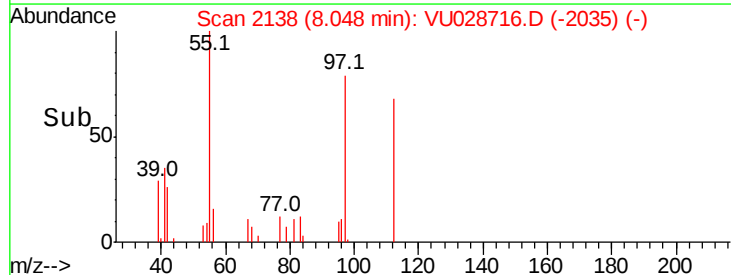
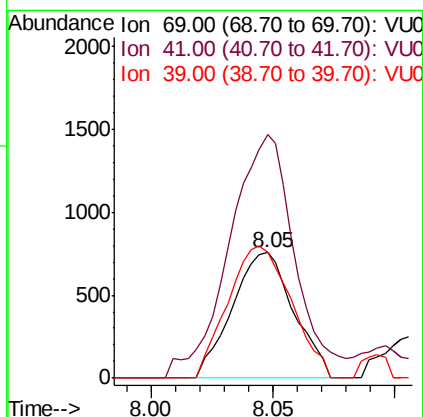
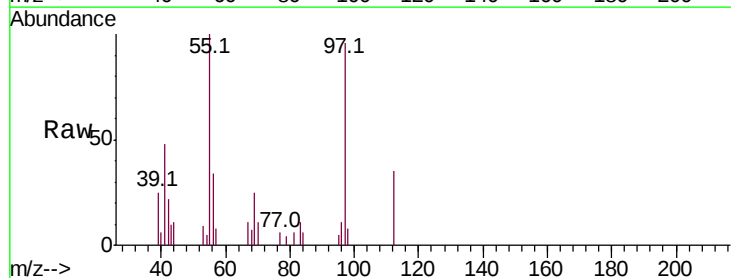
Instrument :
 MSVOA_U
 ClientSampleId :

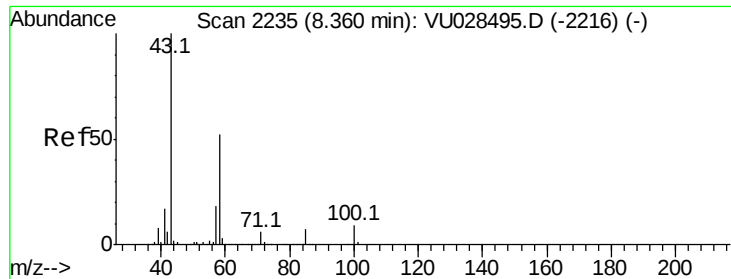
Tot Ion: 97 Resp: 5519
 Ion Ratio Lower Upper
 97 100
 83 11.0 72.4 108.6#
 85 0.0 46.0 69.0#
 99 0.0 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 0.764 ug/l
 RT: 8.05 min Scan# 2138
 Delta R.T. 0.03 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion: 69 Resp: 1317
 Ion Ratio Lower Upper
 69 100
 41 207.7 59.1 88.7#
 39 109.1 28.4 42.6#

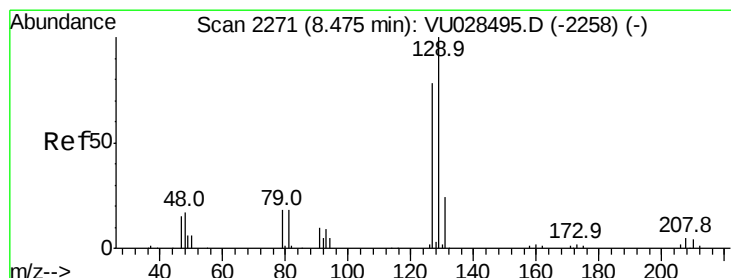
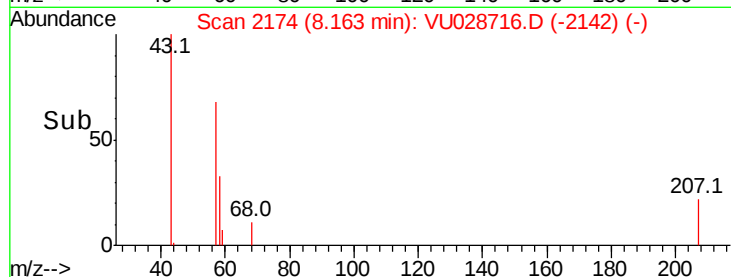
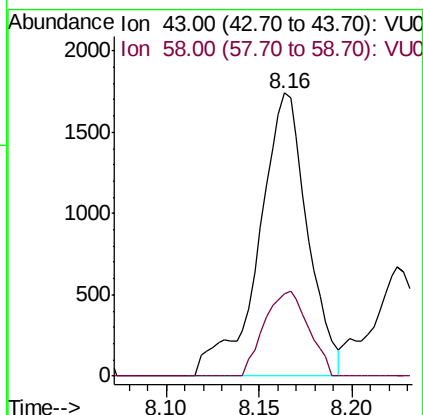
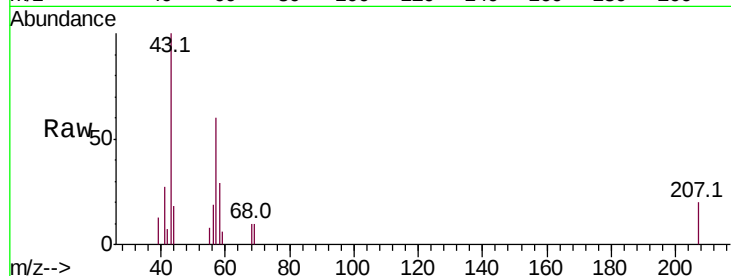




#59
2-Hexanone
Concen: 2.117 ug/l
RT: 8.16 min Scan# 2174
Delta R.T. -0.20 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

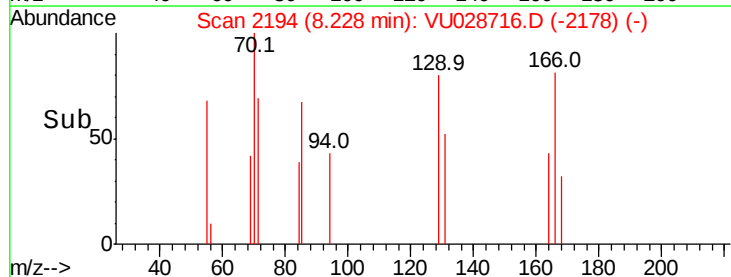
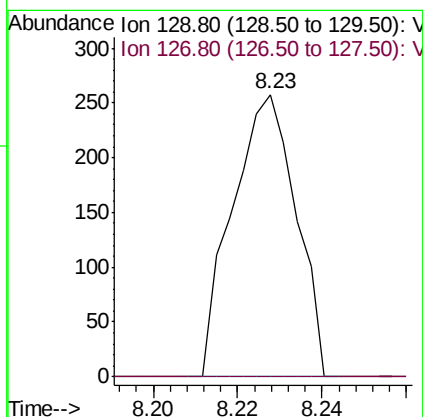
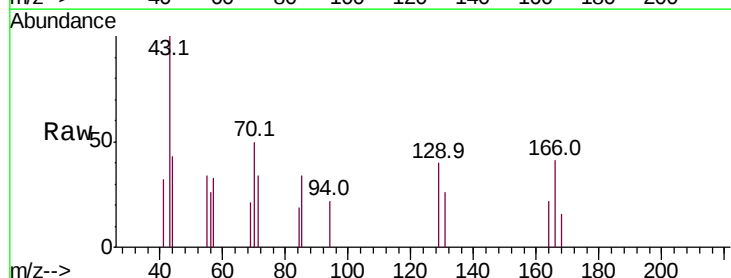
Instrument :
MSVOA_U
ClientSampleId :

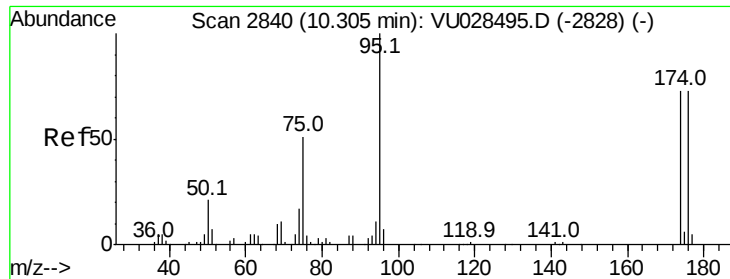
Tot Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
58 27.2 25.9 77.6



#60
Dibromochloromethane
Concen: 0.274 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Tgt Ion: 129 Resp: 270
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 50.257 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

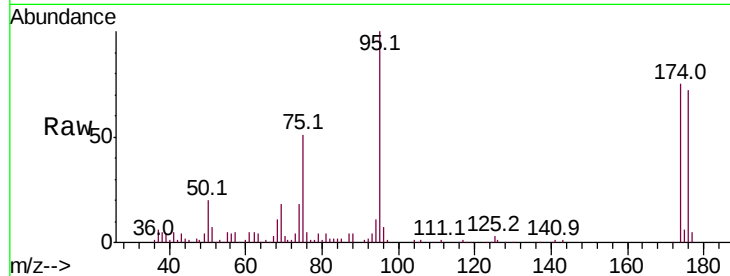
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 62807

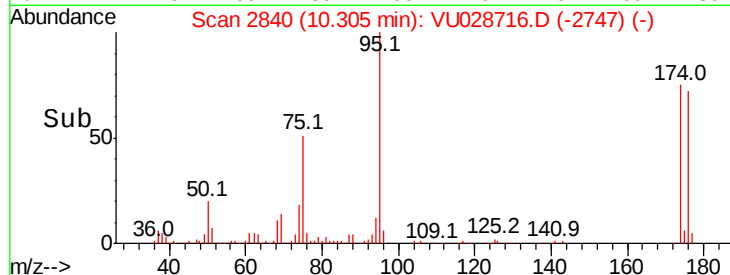
Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.4
176	71.3	0.0	145.2



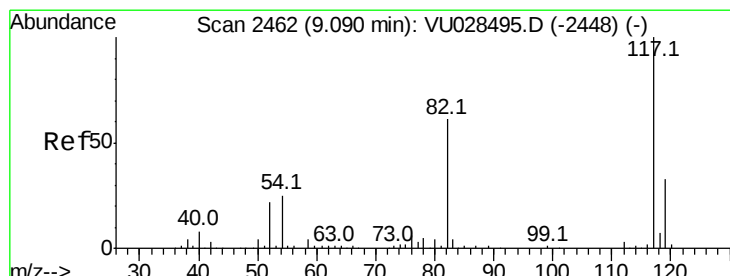
Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

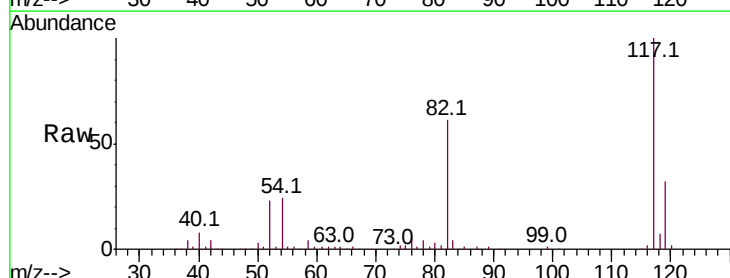
Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Tgt Ion: 117 Resp: 123492

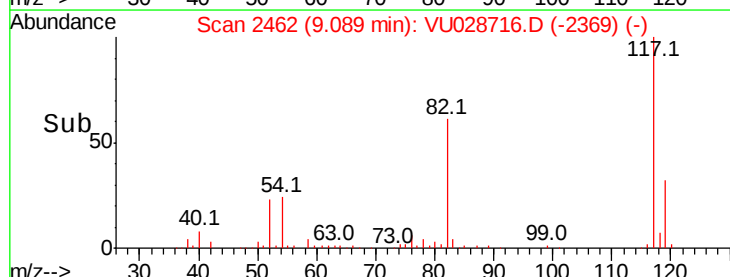
Ion	Ratio	Lower	Upper
117	100		
82	60.6	48.9	73.3
119	32.1	26.2	39.4



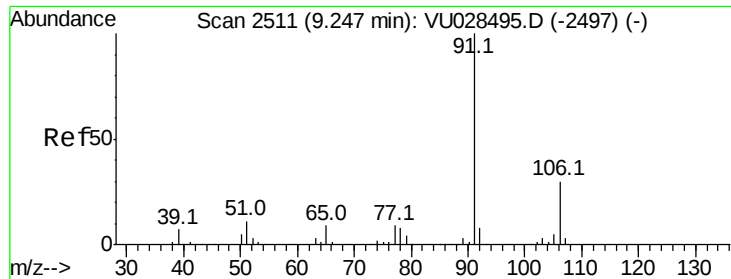
Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)



Time-->



#67

Ethyl Benzene

Concen: 4.691 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

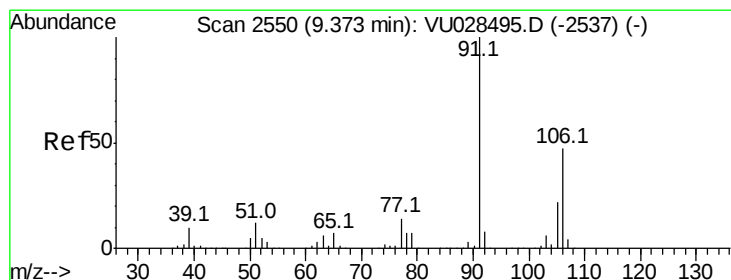
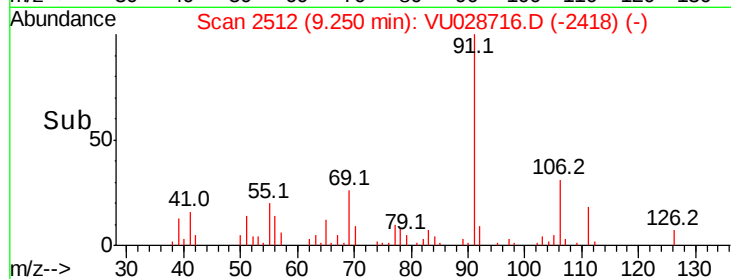
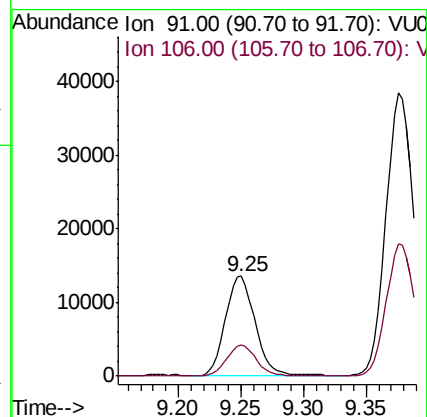
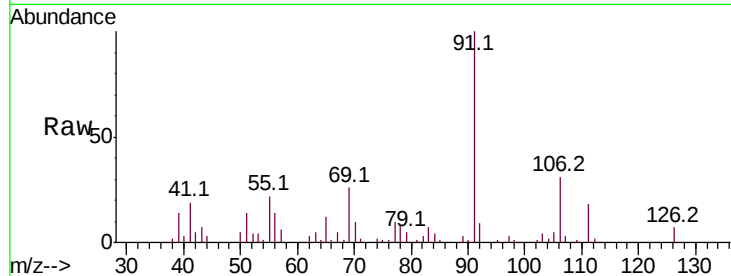
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 22695

Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1



#68

m/p-Xylenes

Concen: 16.499 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028716.D

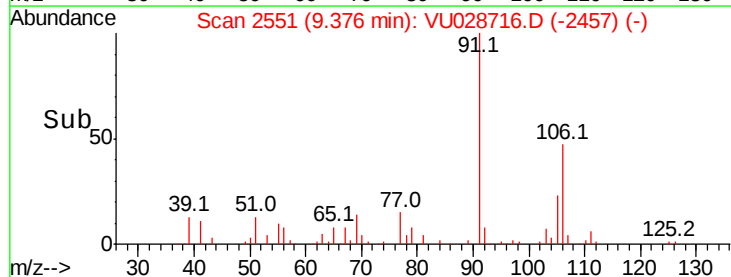
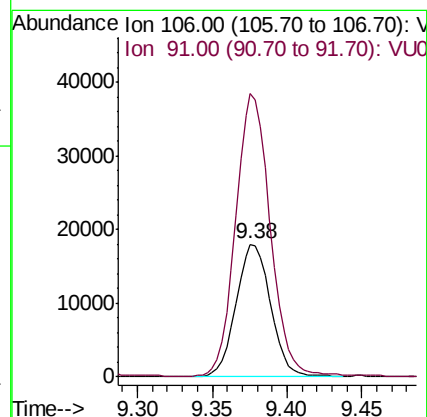
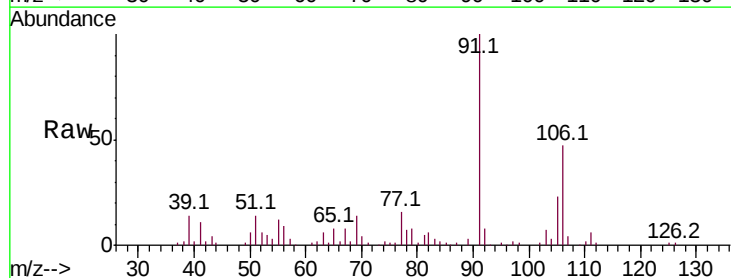
Acq: 17 Dec 2018 13:30

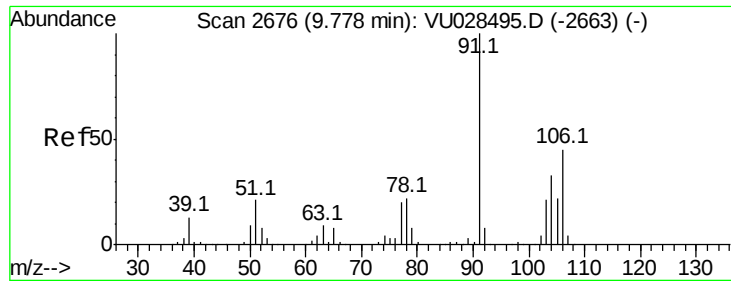
Tgt Ion: 106 Resp: 29043

Ion Ratio Lower Upper

106 100

91 216.0 167.4 251.0

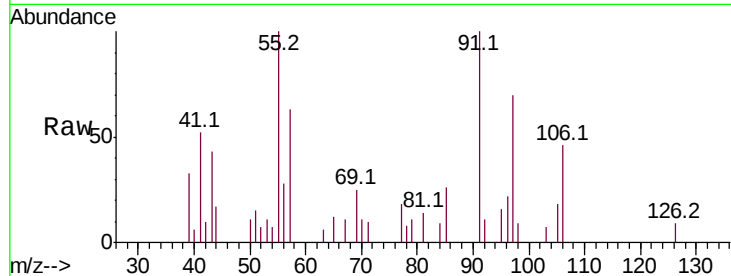




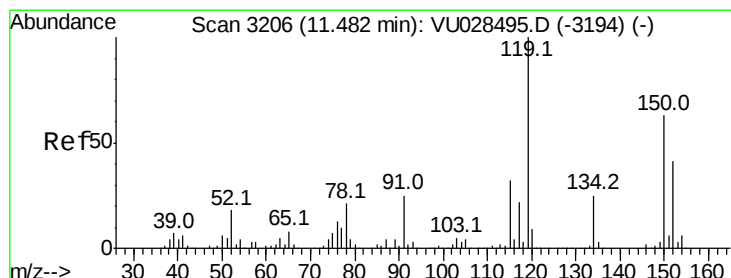
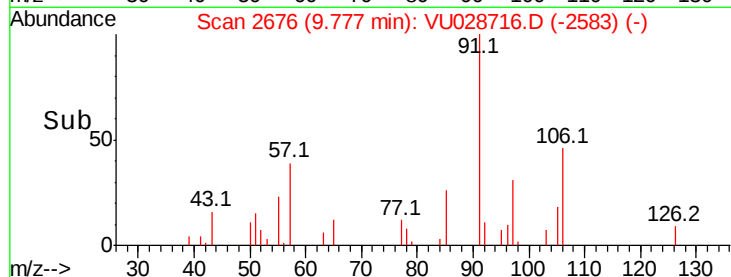
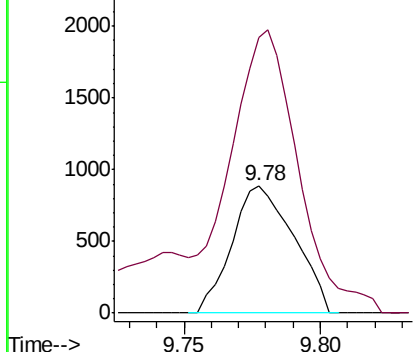
#69
o-Xylene
Concen: 0.817 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 1398
Ion Ratio Lower Upper
106 100
91 246.6 111.3 334.0

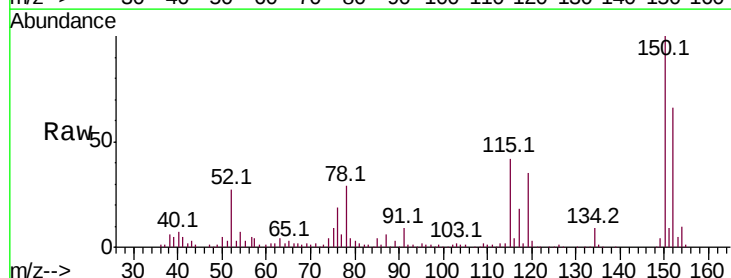


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

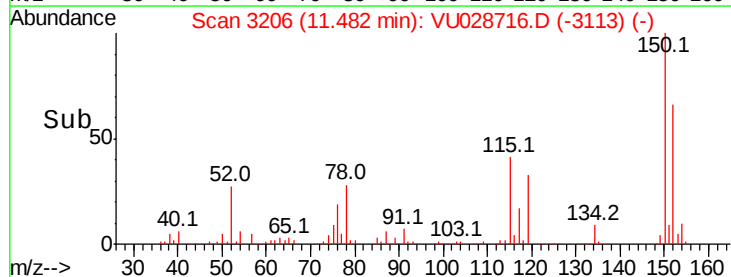
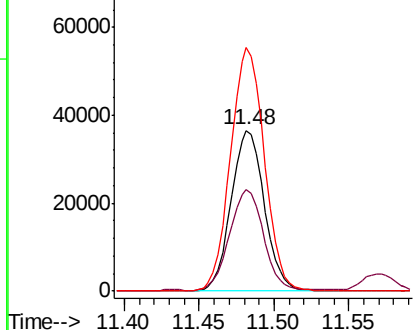


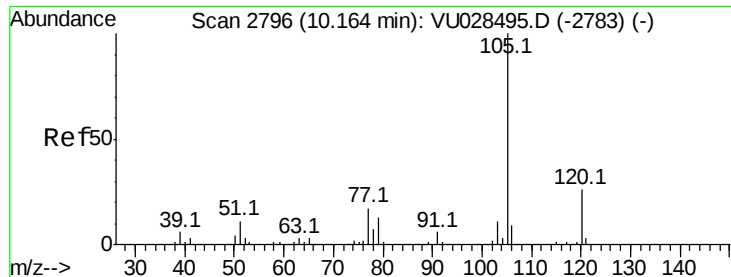
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028716.D
Acq: 17 Dec 2018 13:30

Tgt Ion:152 Resp: 56589
Ion Ratio Lower Upper
152 100
115 63.9 42.7 128.1
150 154.3 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: 216.714 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

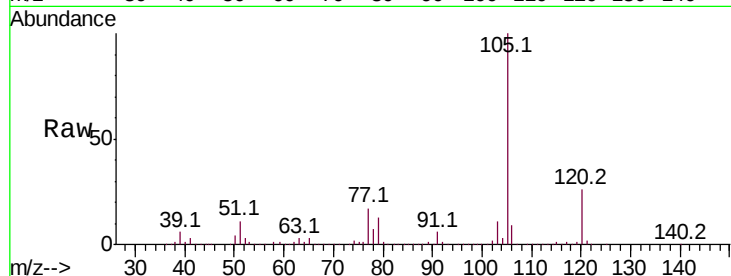
ClientSampleId :

Tot Ion:105 Resp: 941030

Ion Ratio Lower Upper

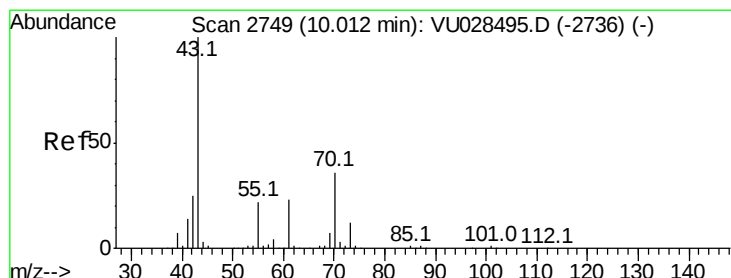
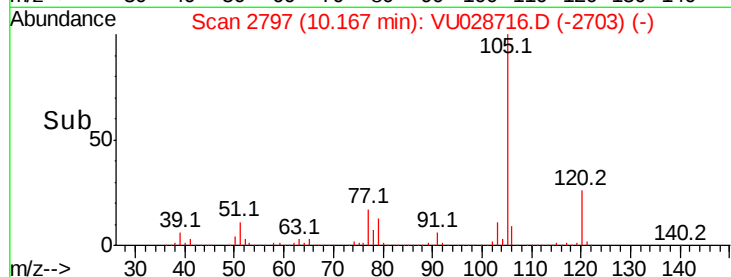
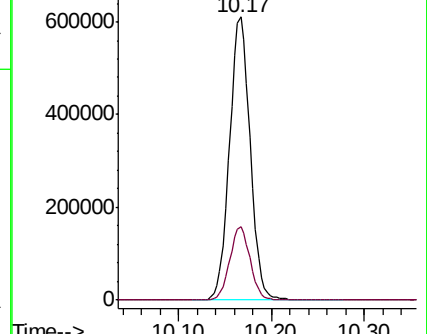
105 100

120 25.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.978 ug/l

RT: 10.05 min Scan# 2760

Delta R.T. 0.04 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Tgt Ion: 43 Resp: 17478

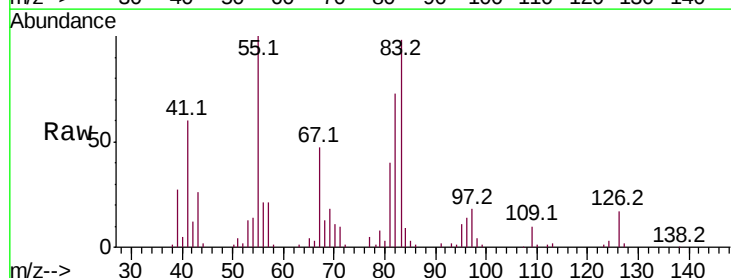
Ion Ratio Lower Upper

43 100

70 39.4 29.3 43.9

55 373.2 18.0 27.0#

61 0.0 18.3 27.5#

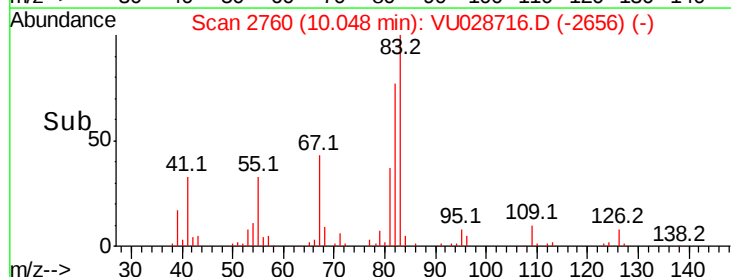
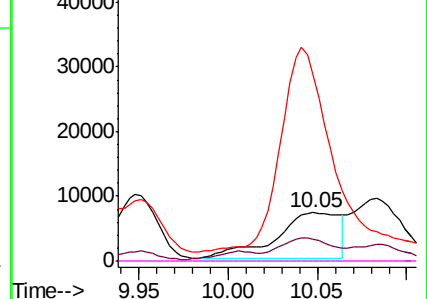


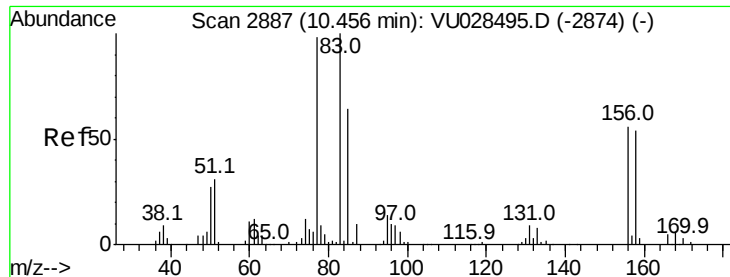
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 6.129 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.04 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampled :

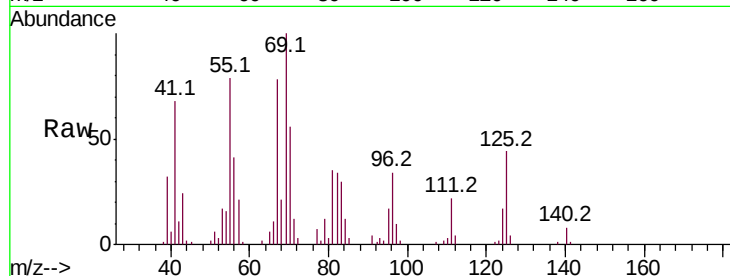
Tot Ion: 83 Resp: 10223

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

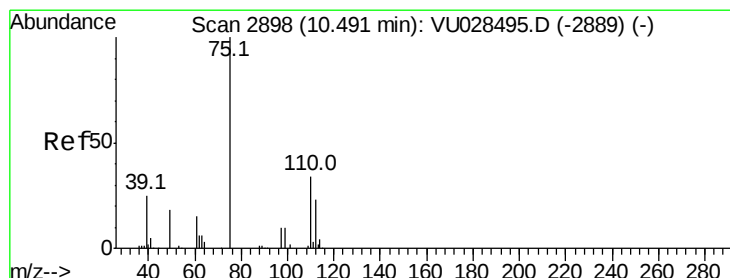
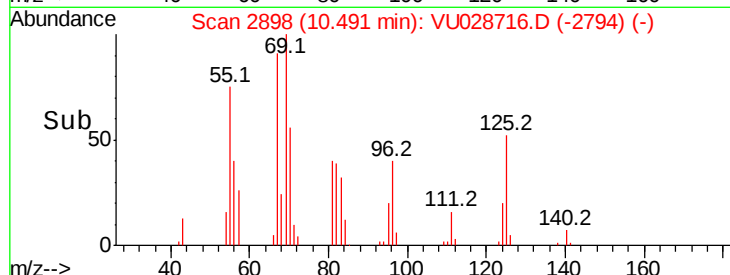
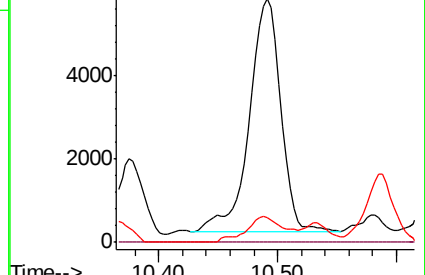
85 13.5 31.8 95.4#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 8.973 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.10 min

Lab File: VU028716.D

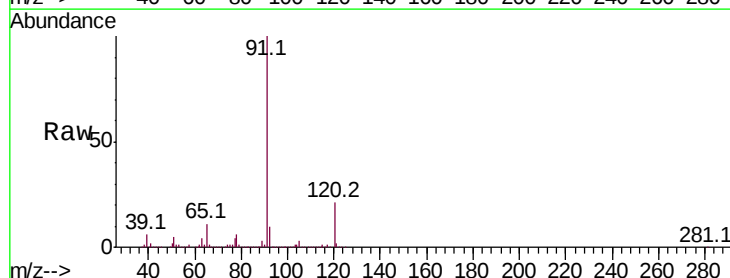
Acq: 17 Dec 2018 13:30

Tgt Ion: 75 Resp: 12966

Ion Ratio Lower Upper

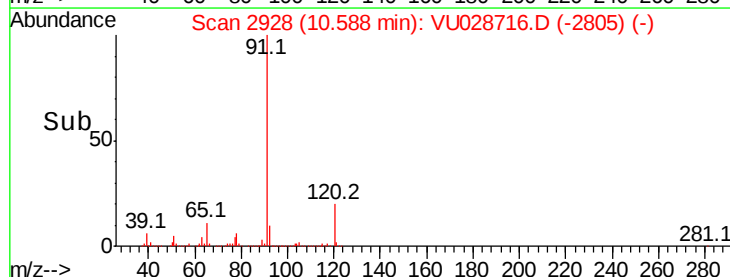
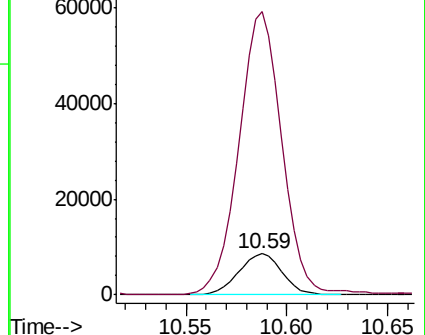
75 100

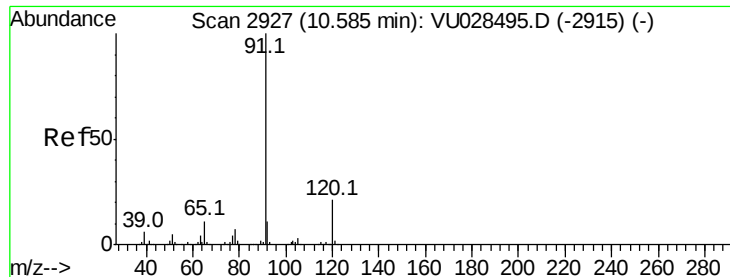
77 675.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 405.004 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

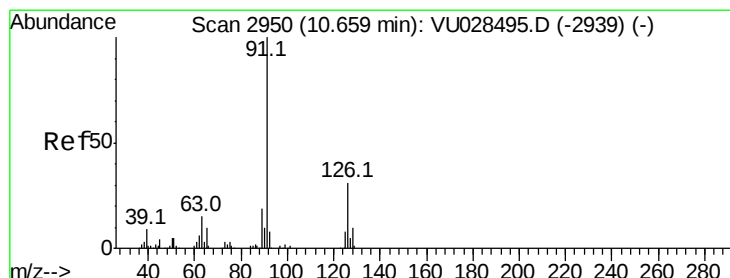
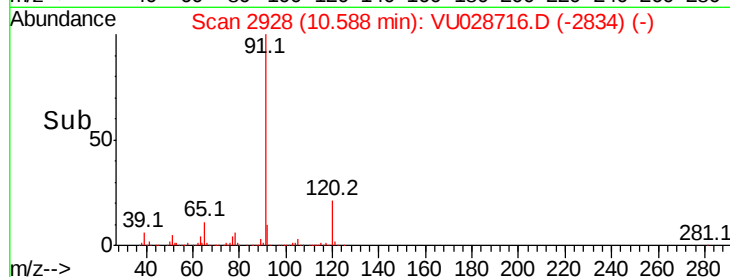
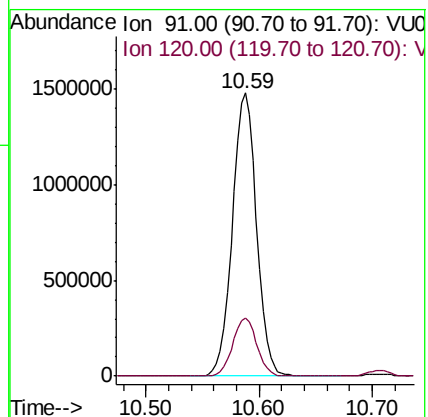
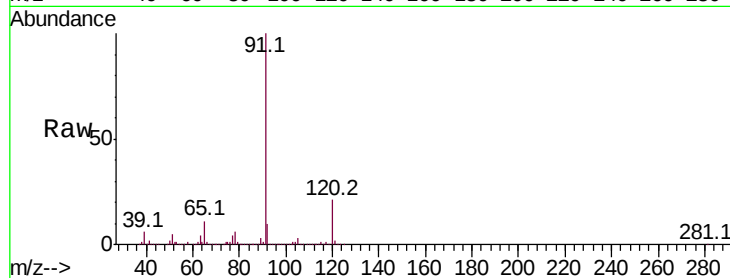
ClientSampled :

Tot Ion: 91 Resp: 2185274

Ion Ratio Lower Upper

91 100

120 20.7 10.6 31.8



#79

2-Chlorotoluene

Concen: 703.104 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU028716.D

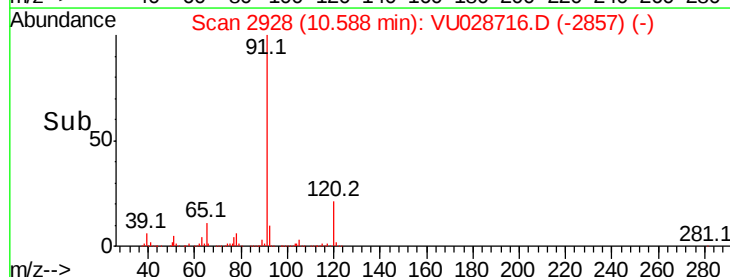
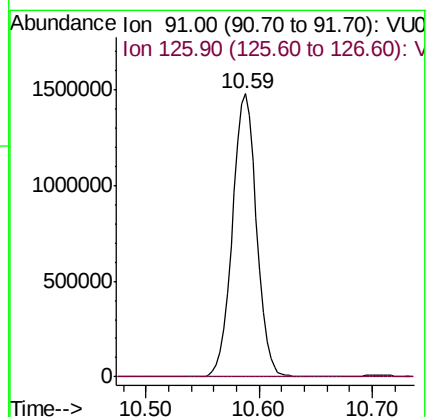
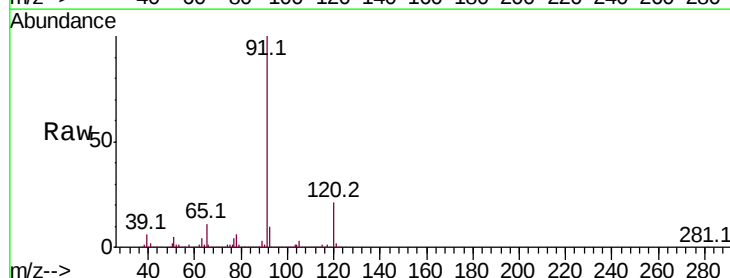
Acq: 17 Dec 2018 13:30

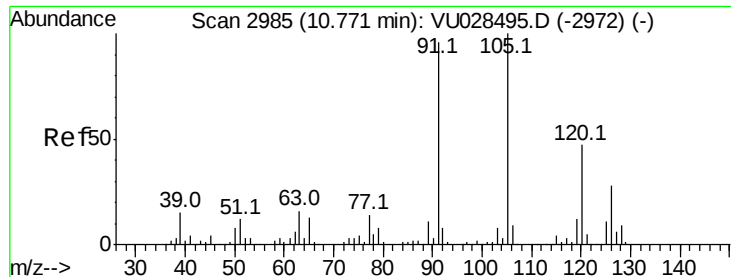
Tgt Ion: 91 Resp: 2185274

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#





#80

1,3,5-Trimethylbenzene

Concen: 41.946 ug/l

RT: 10.70 min Scan# 2964

Delta R.T. -0.07 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

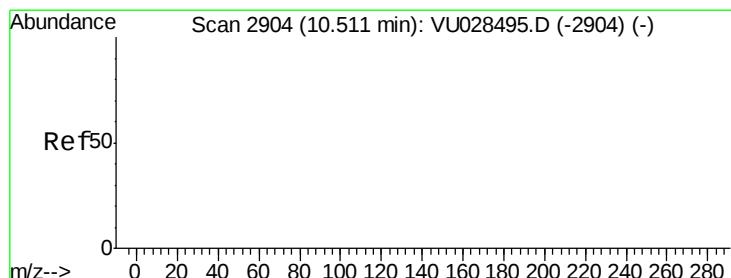
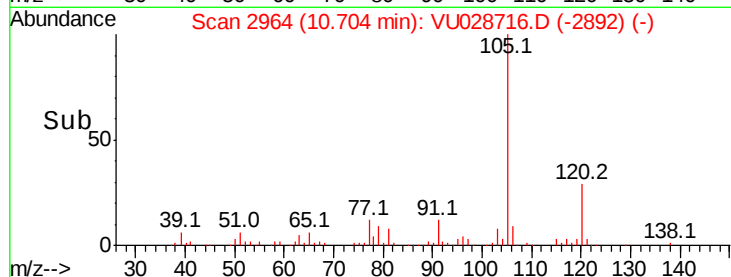
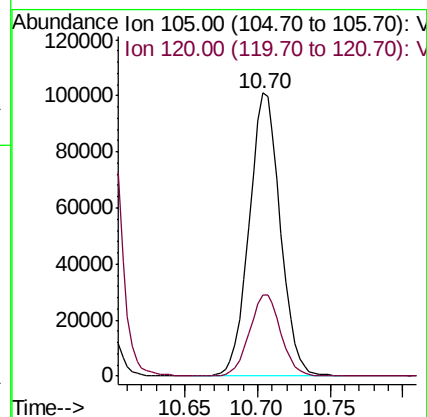
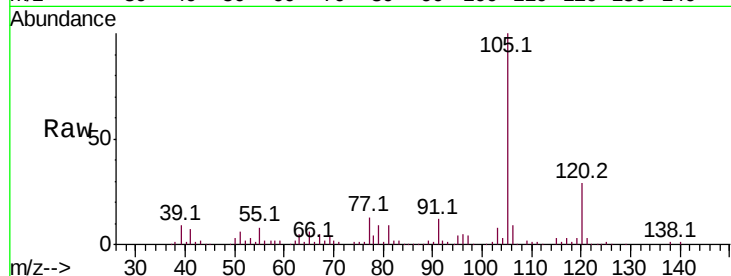
ClientSampleId :

Tot Ion:105 Resp: 150771

Ion Ratio Lower Upper

105 100

120 28.8 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 22.354 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.08 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

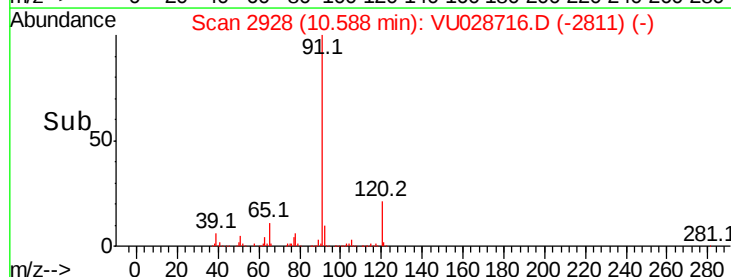
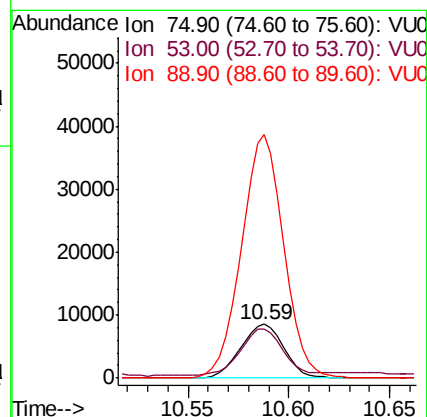
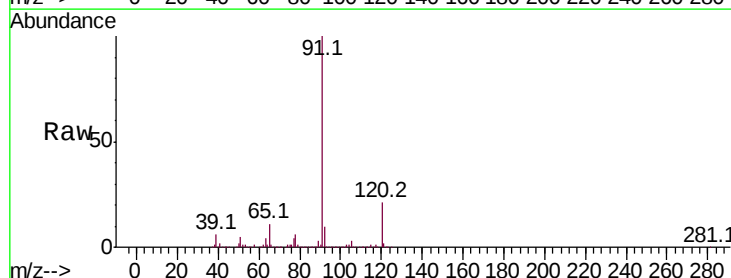
Tgt Ion: 75 Resp: 12966

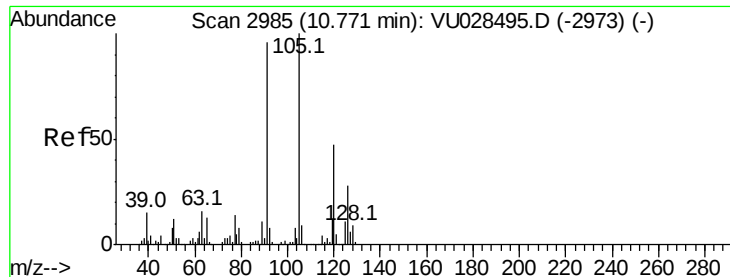
Ion Ratio Lower Upper

75 100

53 85.6 0.0 0.0#

89 437.9 0.0 0.0#





#82

4-Chlorotoluene

Concen: 593.329 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

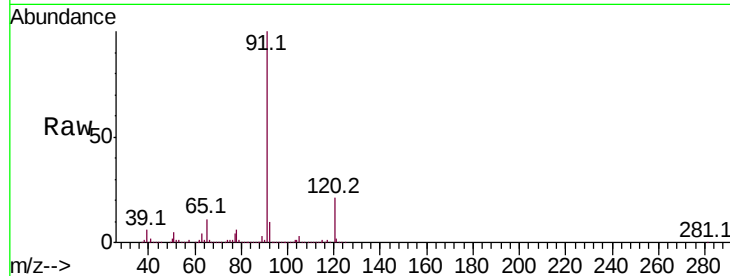
ClientSampleId :

Tot Ion: 91 Resp: 2185274

Ion Ratio Lower Upper

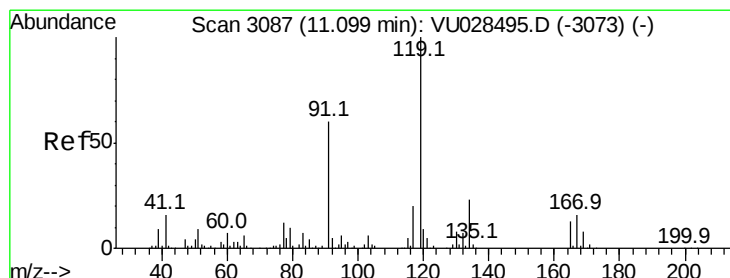
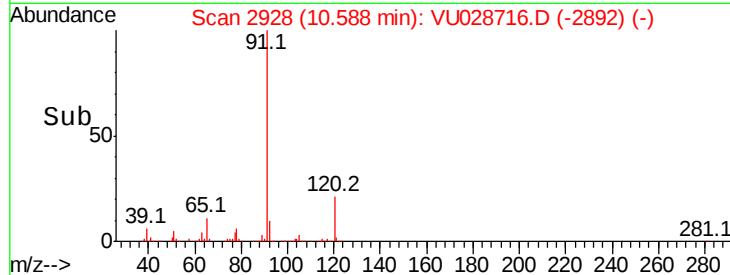
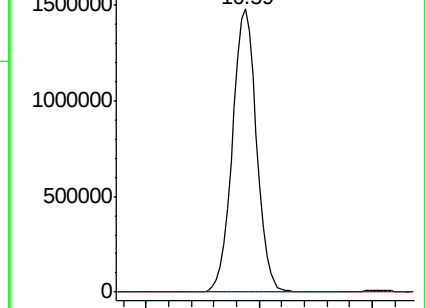
91 100

126 0.0 14.1 42.3#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 22.285 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

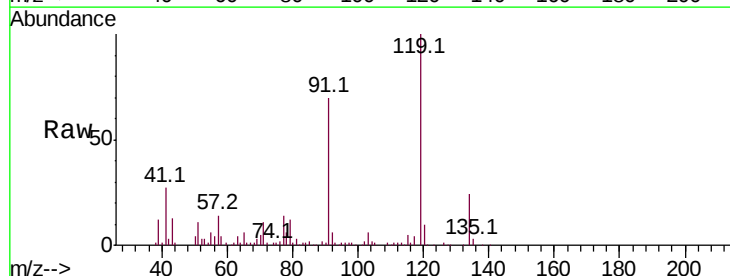
Tgt Ion: 119 Resp: 77206

Ion Ratio Lower Upper

119 100

91 72.1 30.3 91.0

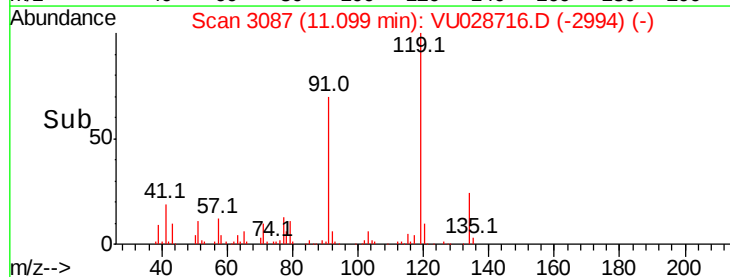
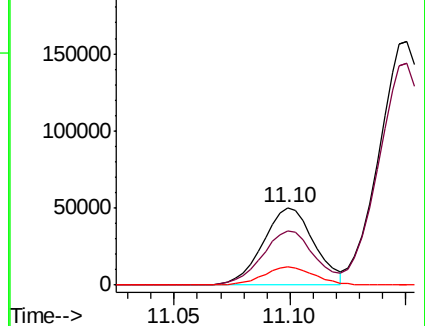
134 23.5 11.2 33.5

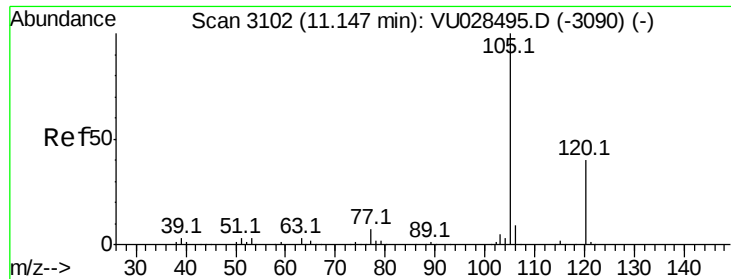


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

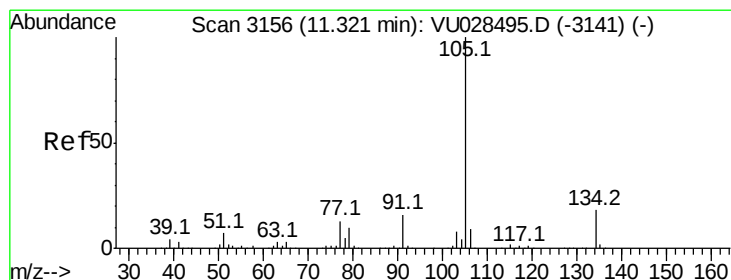
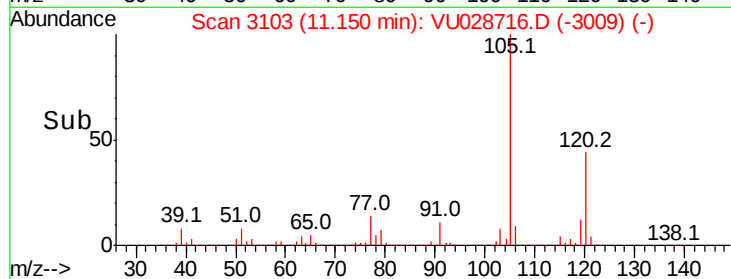
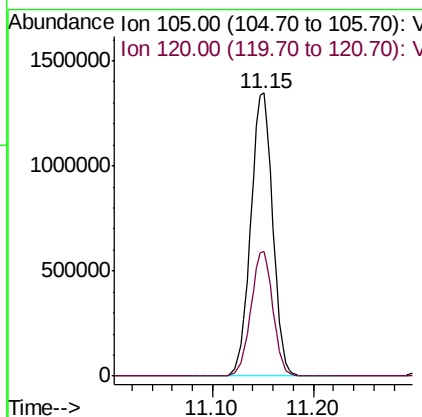
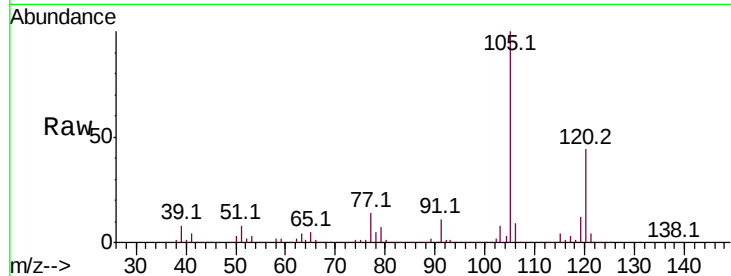




#84
 1,2,4-Trimethylbenzene
 Concen: 540.473 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

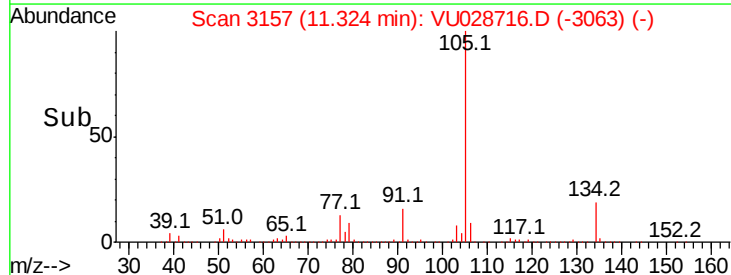
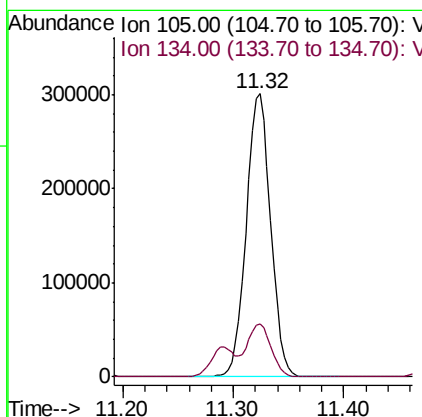
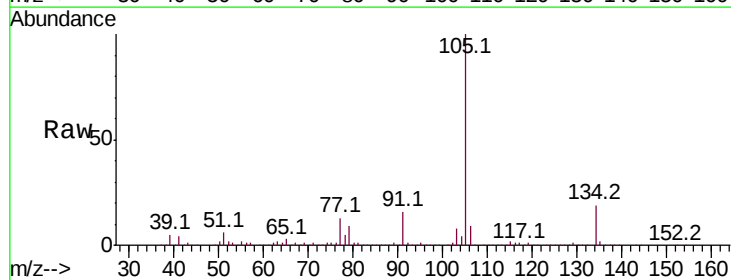
Instrument :
 MSVOA_U
 ClientSampleId :

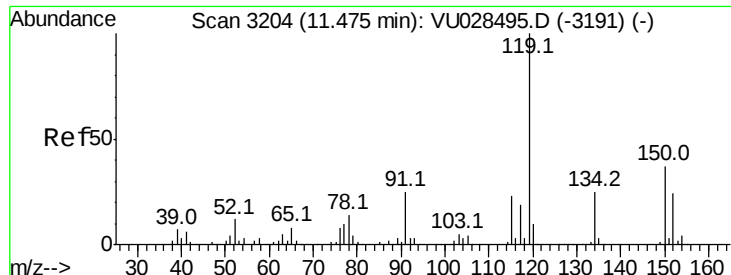
Tot Ion:105 Resp: 2002092
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 103.063 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion:105 Resp: 458710
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6

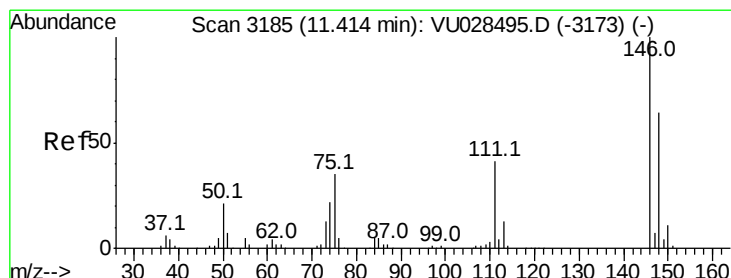
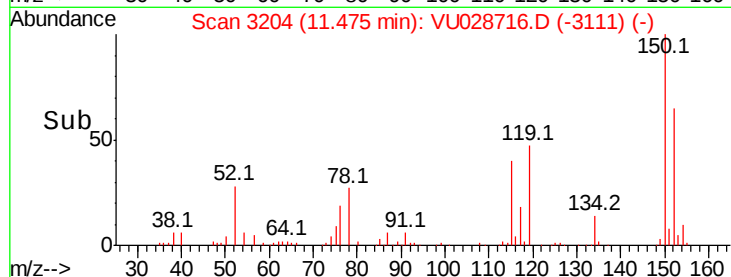
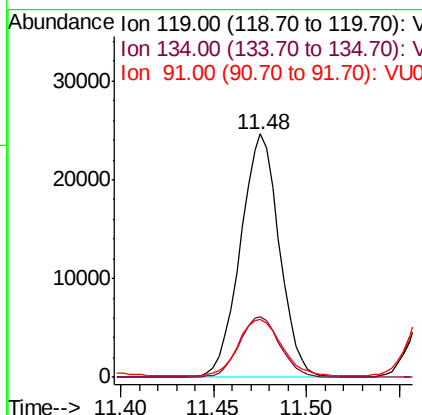
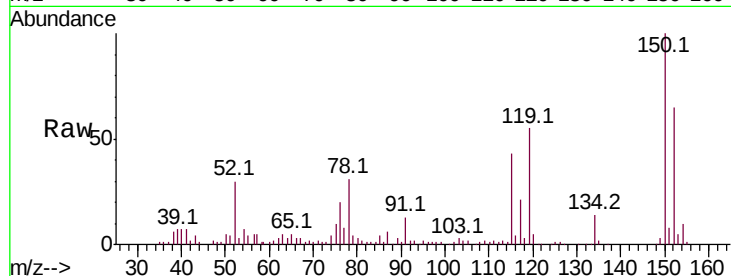




#86
 p-Isopropyltoluene
 Concen: 9.484 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

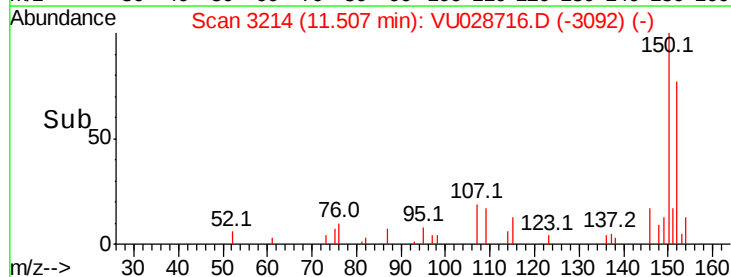
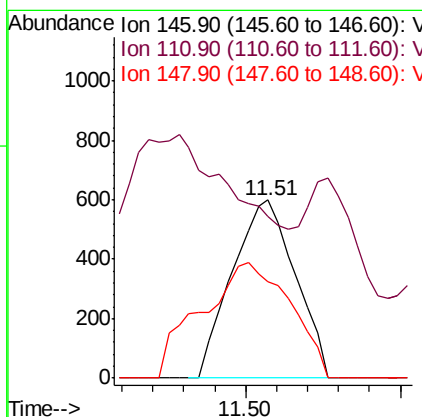
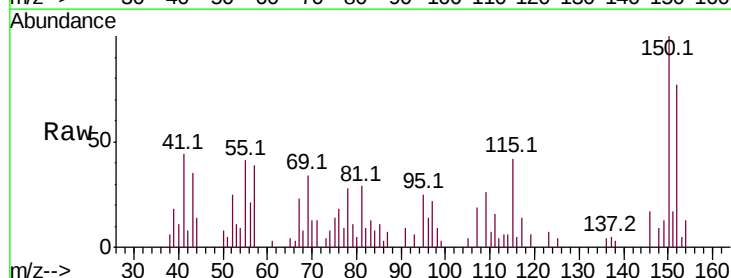
Instrument :
 MSVOA_U
 ClientSampleId :

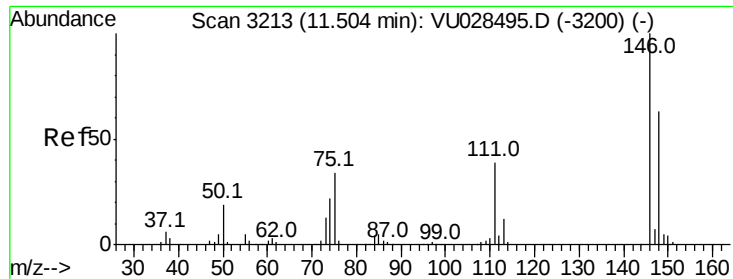
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.1
91	26.2	12.6	37.6



#87
 1,3-Dichlorobenzene
 Concen: 0.444 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.09 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	91.7	31.9	95.7





#88

1,4-Dichlorobenzene

Concen: 0.429 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

ClientSampled :

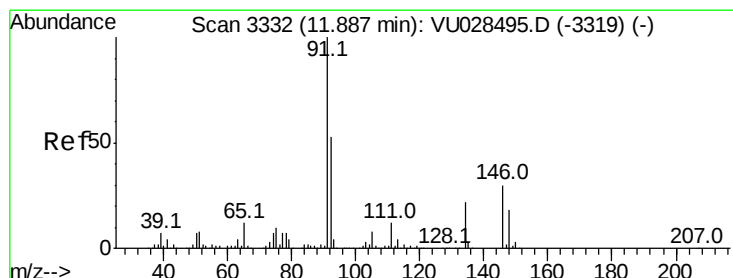
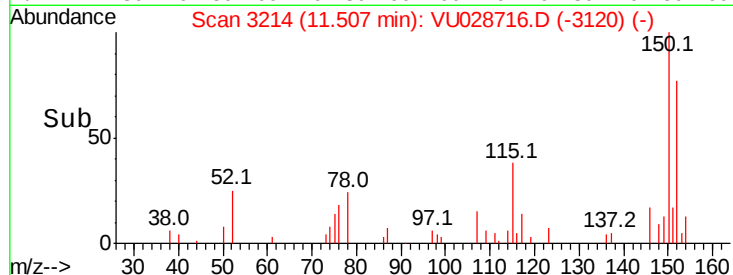
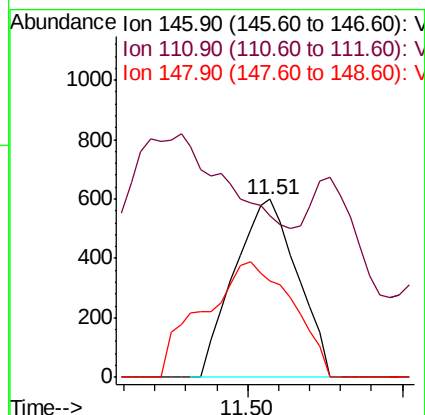
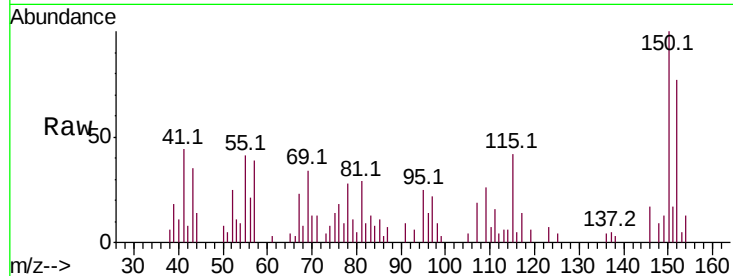
Tot Ion:146 Resp: 852

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 91.7 31.6 95.0



#89

n-Butylbenzene

Concen: 62.501 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

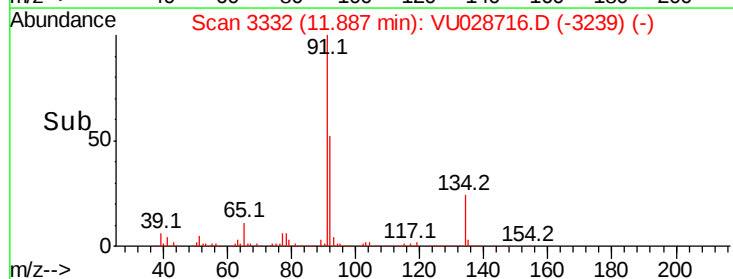
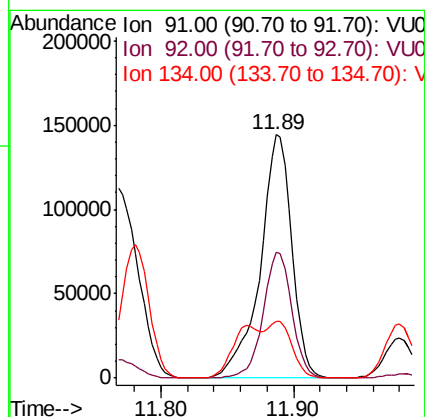
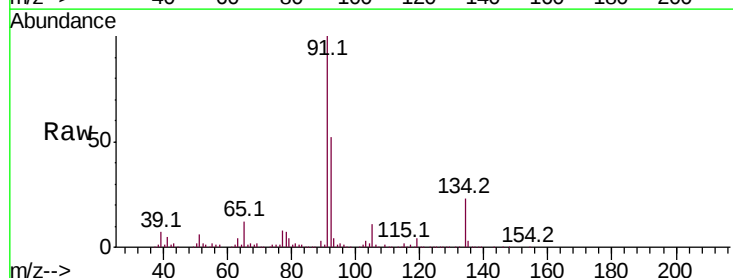
Tgt Ion: 91 Resp: 239150

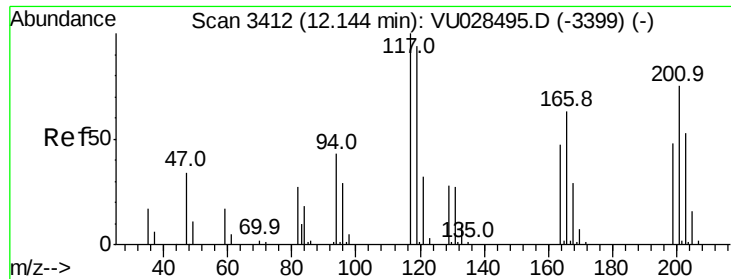
Ion Ratio Lower Upper

91 100

92 47.2 26.3 78.9

134 0.0 11.3 33.8#





#90

Hexachloroethane

Concen: 129.310 ug/l

RT: 12.25 min Scan# 3445

Delta R.T. 0.11 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

Instrument :

MSVOA_U

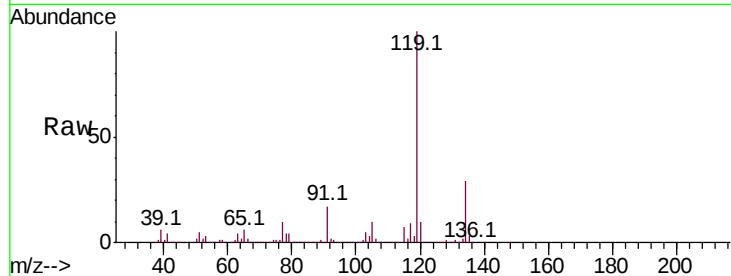
ClientSampleId :

Tot Ion:117 Resp: 73895

Ion Ratio Lower Upper

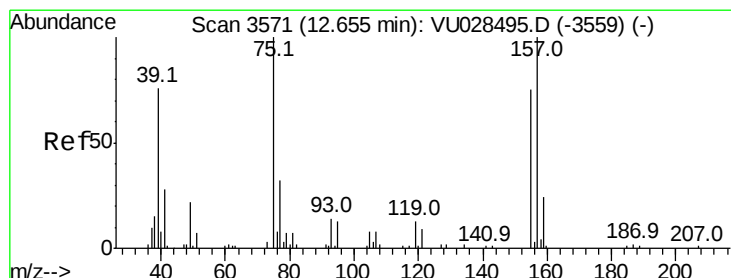
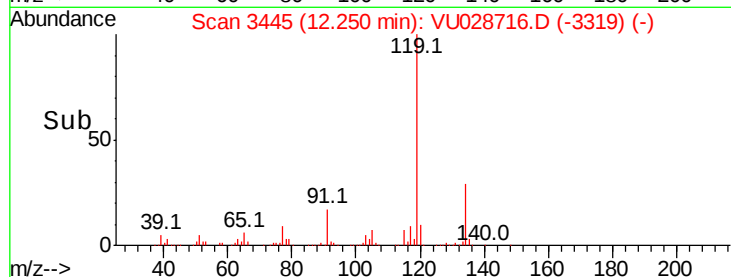
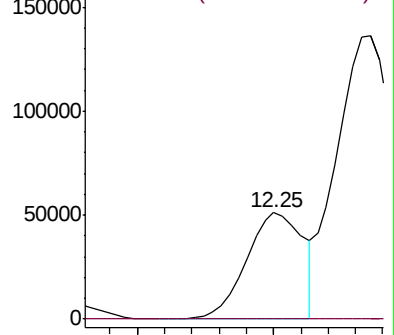
117 100

201 0.0 38.1 114.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.966 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU028716.D

Acq: 17 Dec 2018 13:30

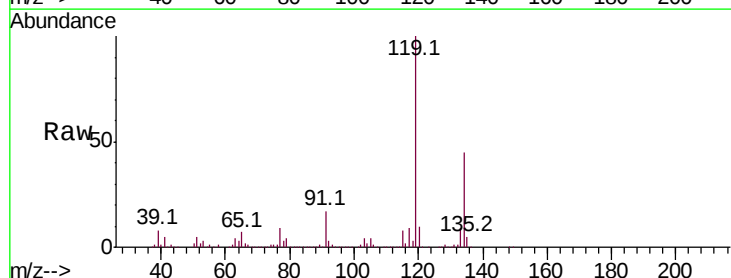
Tgt Ion: 75 Resp: 3238

Ion Ratio Lower Upper

75 100

155 0.0 38.1 114.5#

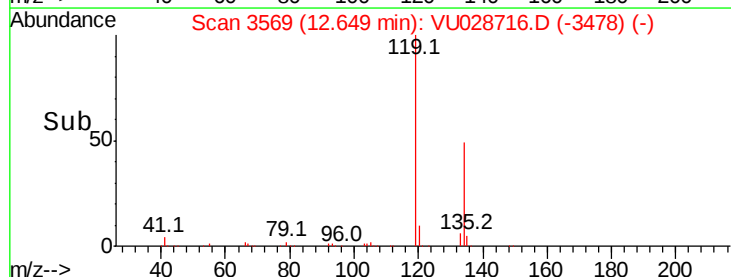
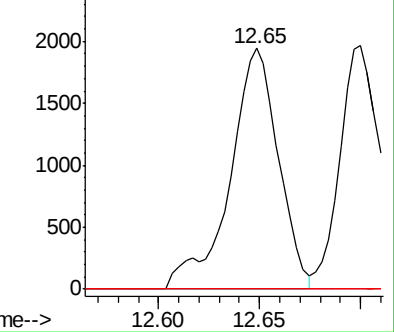
157 0.0 48.7 146.1#

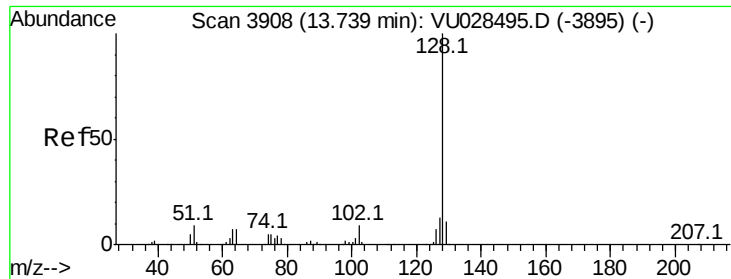


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 2.128 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028716.D
 Acq: 17 Dec 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.4	15.6#
129	20.8	8.6	13.0#

