

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028385.D
 Acq On : 29 Nov 2018 11:55
 Operator : MD/SY
 Sample : J6082-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:01:02 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	246139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	462629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	438135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	194818	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	218753	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	4.88	113	157082	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	7.57	98	617234	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	10.31	95	222447	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	

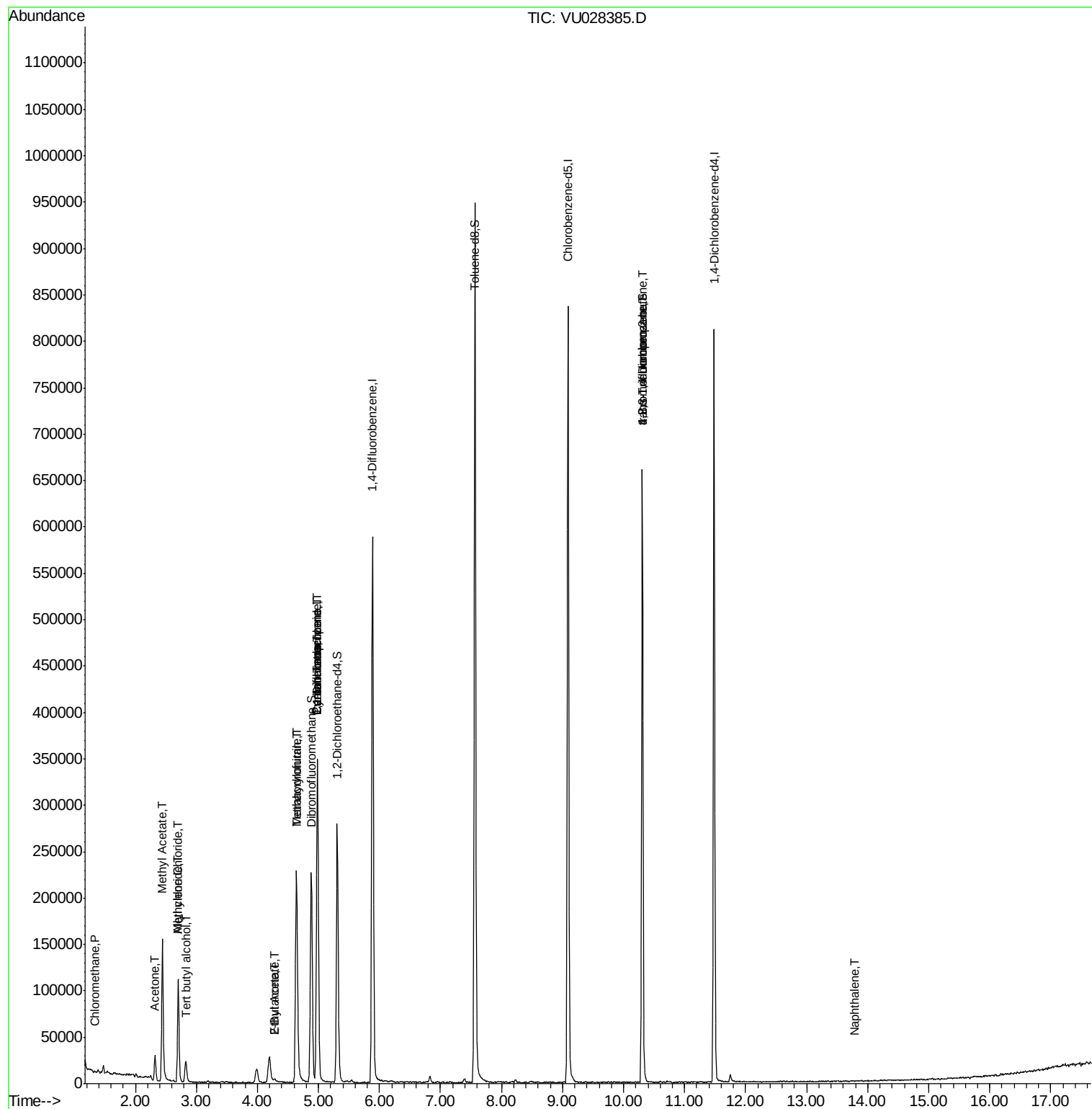
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1304	0.204	ug/l	95
11) Tert butyl alcohol	2.83	59	26571	28.432	ug/l	97
14) Allyl chloride	2.70	41	2309	0.336	ug/l #	26
16) Acetone	2.32	43	31308	12.442	ug/l	96
18) Methyl Acetate	2.44	43	33986	4.851	ug/l #	58
20) Methylene Chloride	2.70	84	46226	12.969	ug/l	93
25) 2-Butanone	4.28	43	5439	1.508	ug/l	98
29) Tetrahydrofuran	4.64	42	192501	82.212	ug/l	98
31) Cyclohexane	4.98	56	9511	1.011	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23306	4.604	ug/l #	51
37) Ethyl Acetate	4.28	43	5439	0.788	ug/l #	71
38) Carbon Tetrachloride	4.98	117	25316	6.090	ug/l #	15
41) Methacrylonitrile	4.64	41	101601	26.519	ug/l #	50
76) 1,2,3-Trichloropropane	10.31	75	118673	21.966	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	118673	58.310	ug/l #	100
95) Naphthalene	13.77	128	93	2.841	ug/l #	69

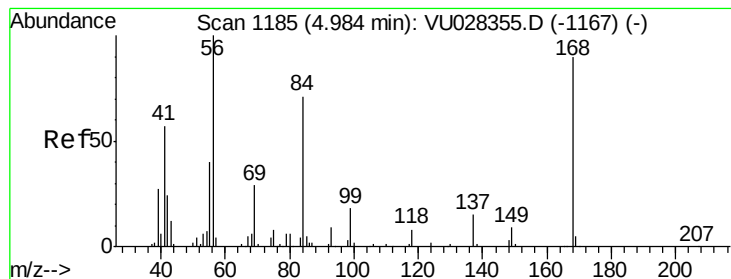
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028385.D

Acq: 29 Nov 2018 11:55

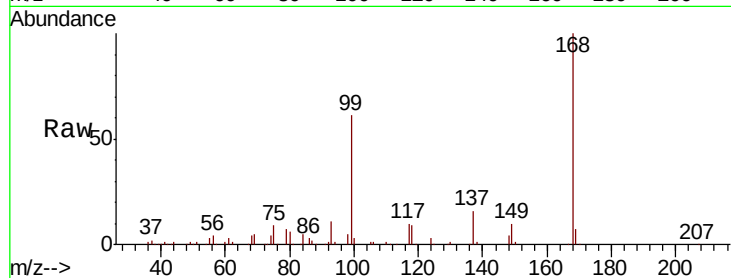
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 246139

Ion Ratio Lower Upper

168 100

99 61.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028385.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028385.D (-1167) (-)

4.98

120000

100000

80000

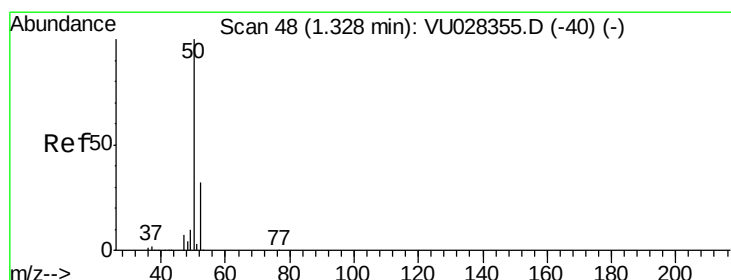
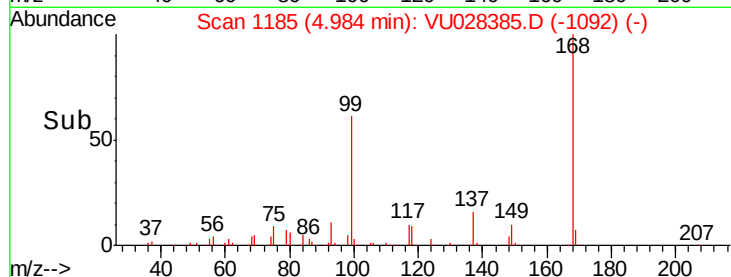
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028385.D

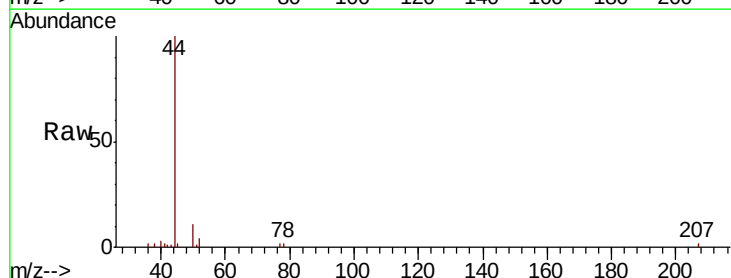
Acq: 29 Nov 2018 11:55

Tgt Ion: 50 Resp: 1304

Ion Ratio Lower Upper

50 100

52 34.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU028385.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU028385.D (-1) (-)

1.33

1200

1000

800

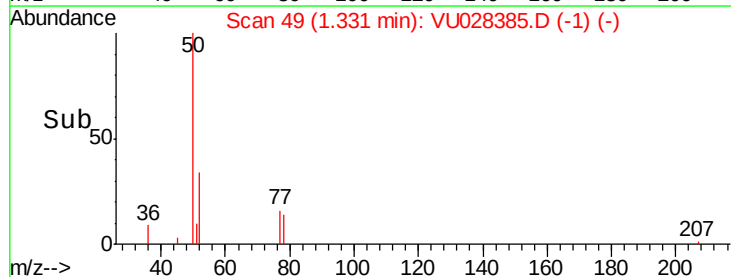
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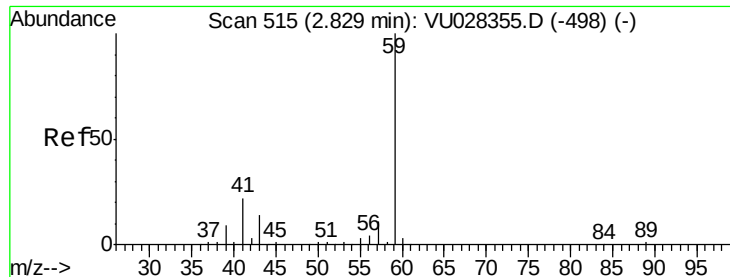
400

200

0

Time-->

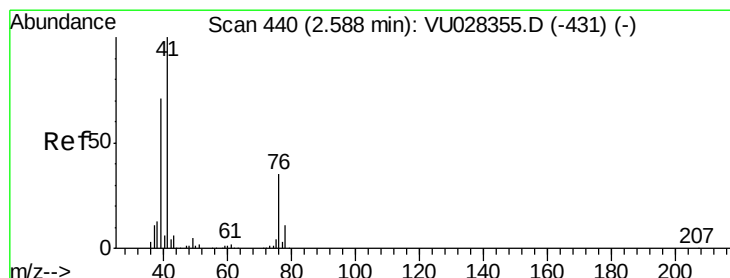
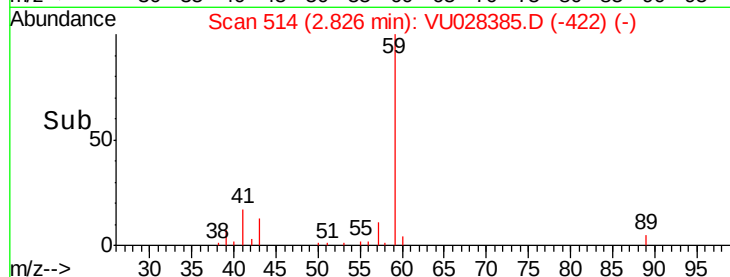
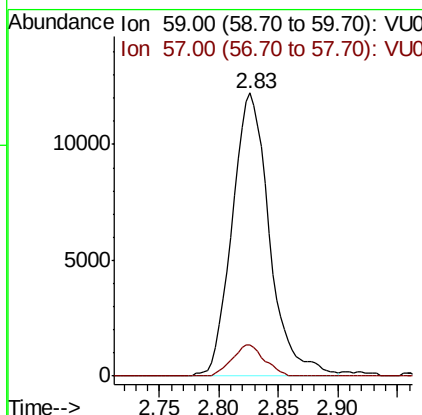
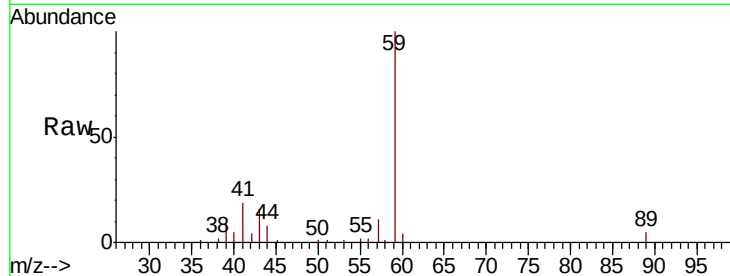




#11
Tert butyl alcohol
Concen: 28.432 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

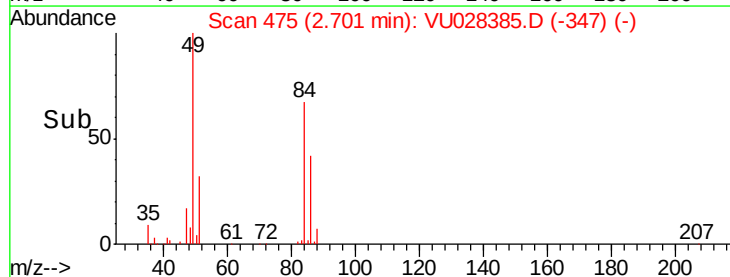
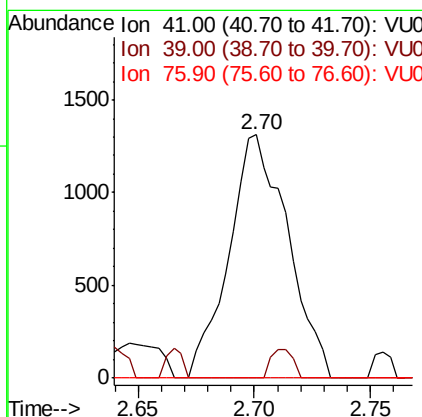
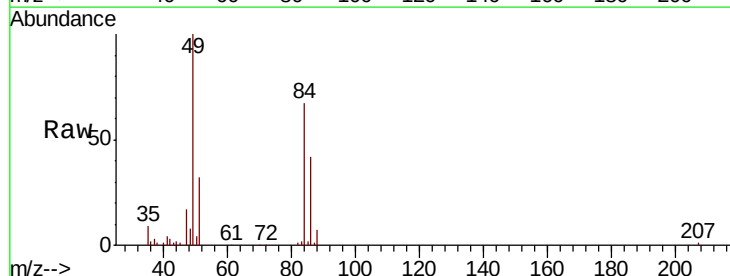
Instrument :
MSVOA_U
ClientSampleId :

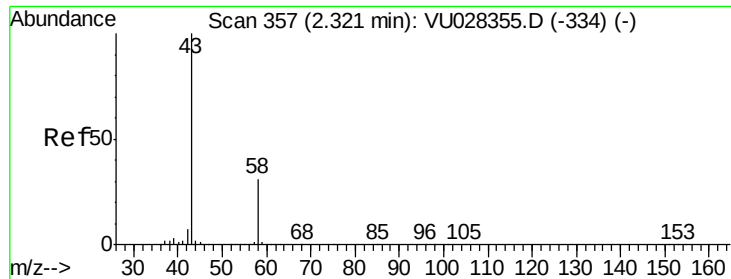
Tot Ion: 59 Resp: 26571
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5



#14
Allyl chloride
Concen: 0.336 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion: 41 Resp: 2309
Ion Ratio Lower Upper
41 100
39 0.0 51.6 77.4#
76 0.0 24.4 36.6#





#16

Acetone

Concen: 12.442 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA_U

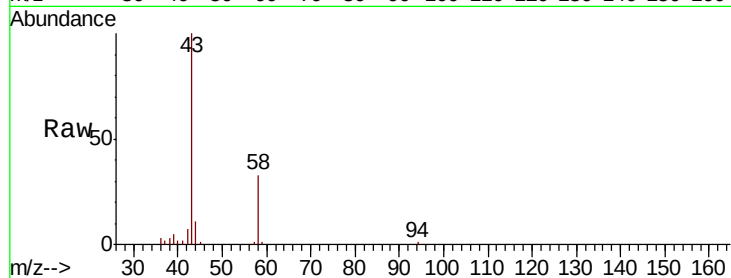
ClientSampled :

Tot Ion: 43 Resp: 31308

Ion Ratio Lower Upper

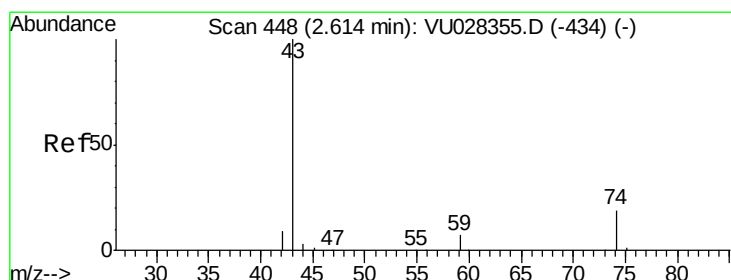
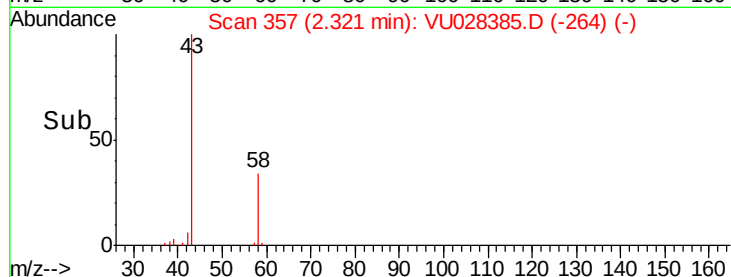
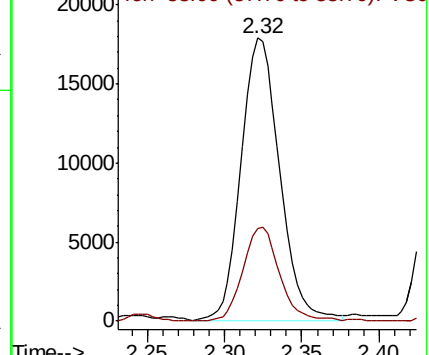
43 100

58 32.9 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: 4.851 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.17 min

Lab File: VU028385.D

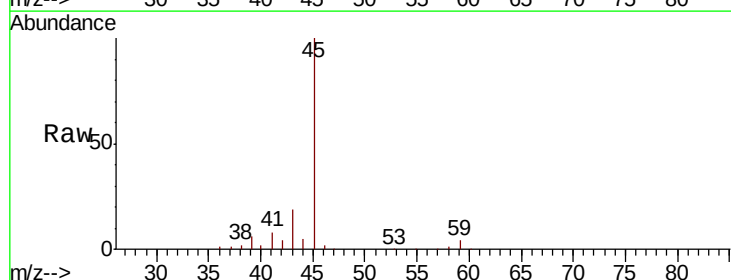
Acq: 29 Nov 2018 11:55

Tgt Ion: 43 Resp: 33986

Ion Ratio Lower Upper

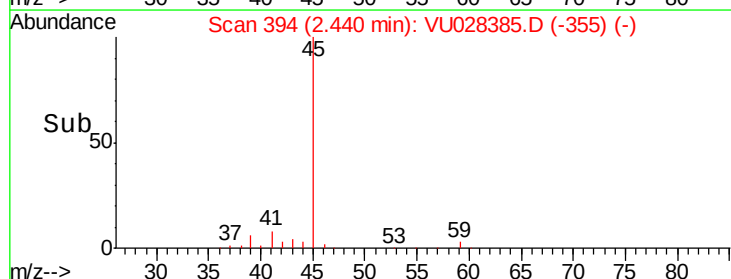
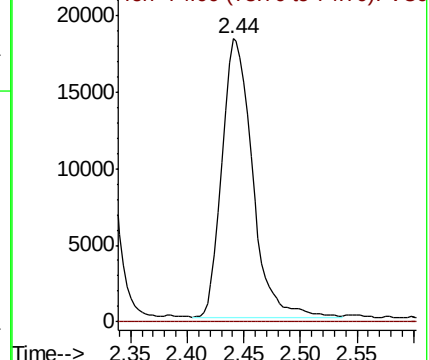
43 100

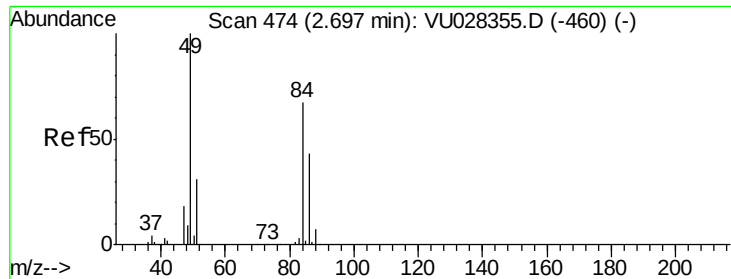
74 0.0 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

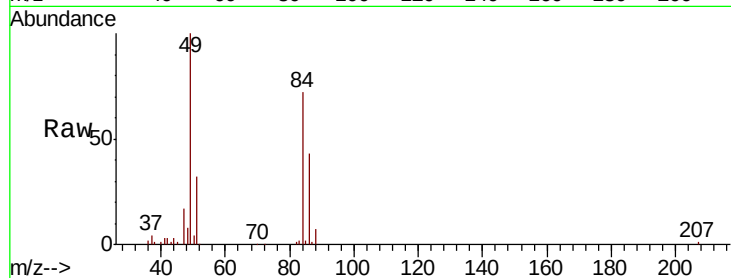




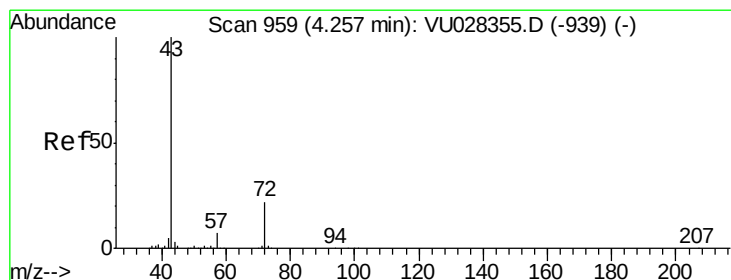
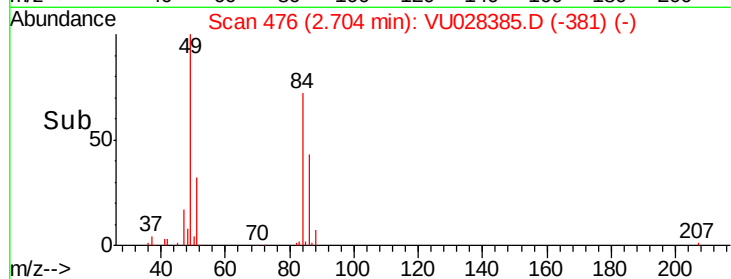
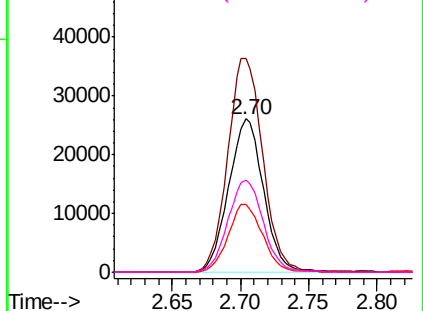
#20
Methylene Chloride
Concen: 12.969 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 46226
Ion Ratio Lower Upper
84 100
49 139.5 120.0 180.0
51 44.0 36.9 55.3
86 59.8 51.1 76.7

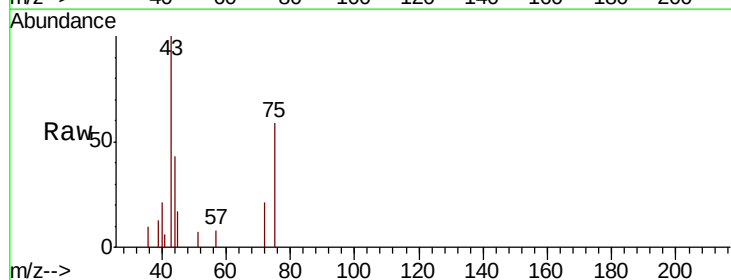


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

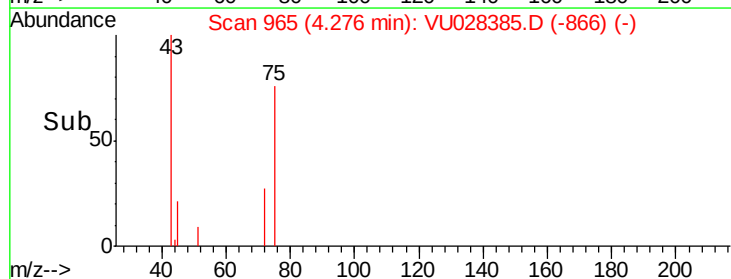
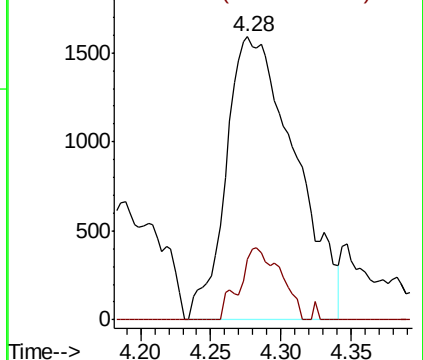


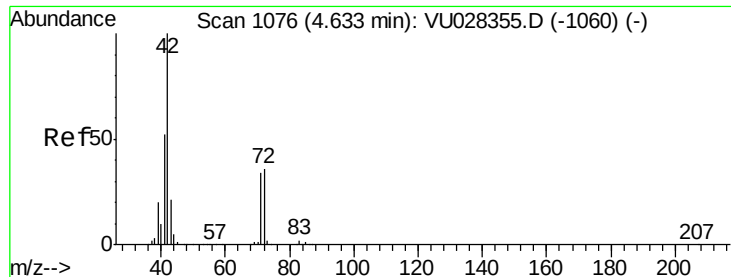
#25
2-Butanone
Concen: 1.508 ug/l
RT: 4.28 min Scan# 965
Delta R.T. 0.02 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
72 21.3 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: 82.212 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampled :

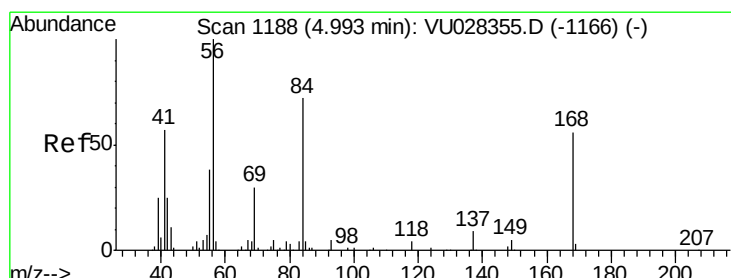
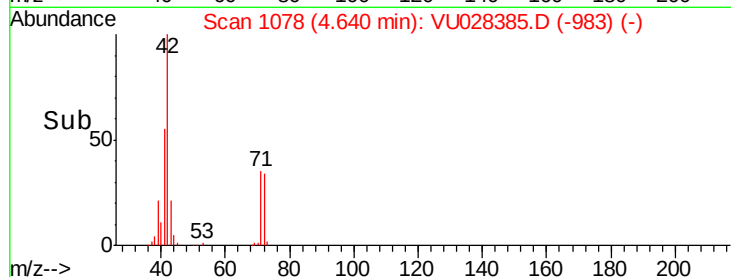
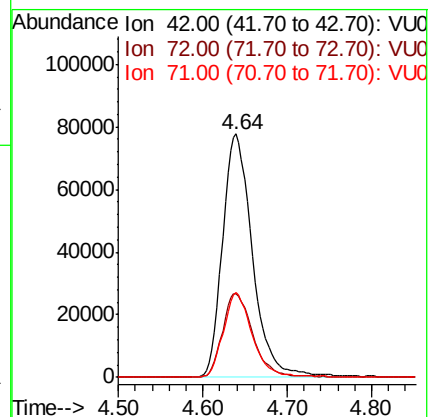
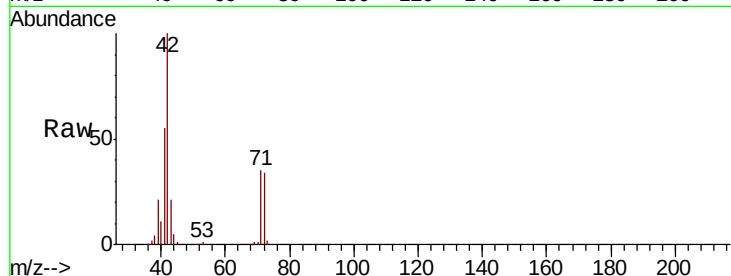
Tot Ion: 42 Resp: 192501

Ion Ratio Lower Upper

42 100

72 35.1 29.5 44.3

71 33.6 27.7 41.5



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

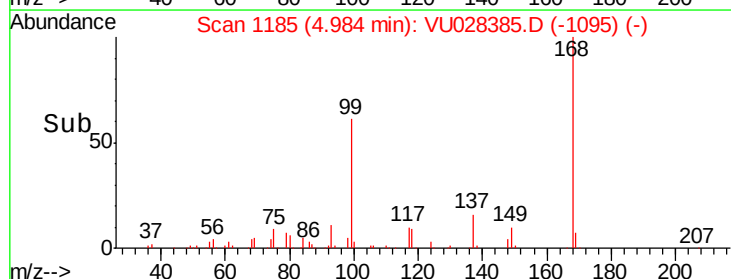
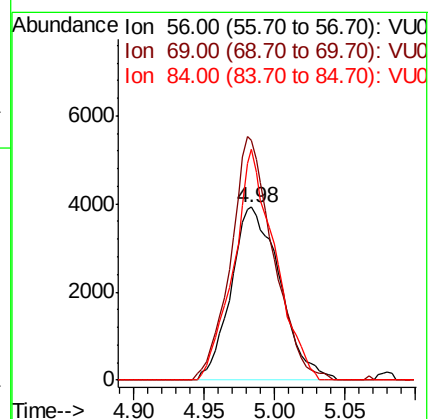
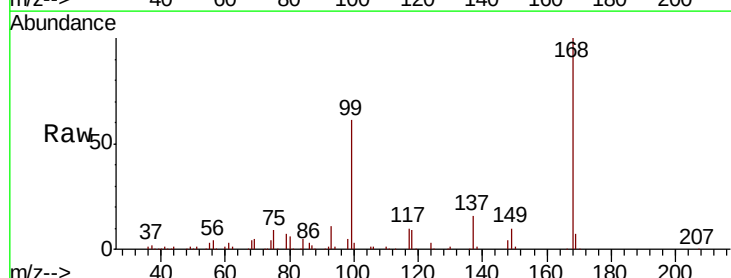
Tgt Ion: 56 Resp: 9511

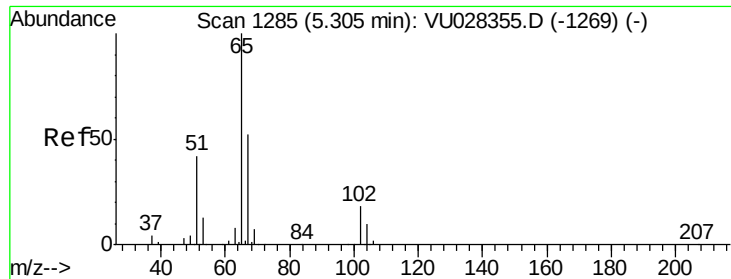
Ion Ratio Lower Upper

56 100

69 138.3 23.7 35.5#

84 133.6 57.3 85.9#

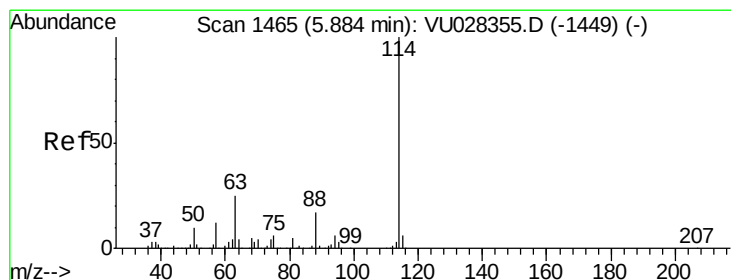
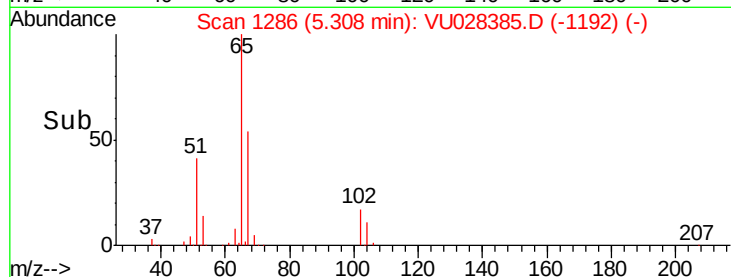
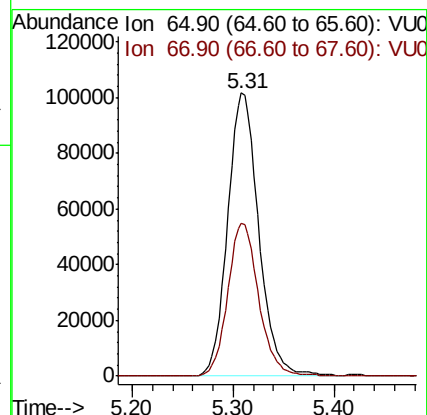
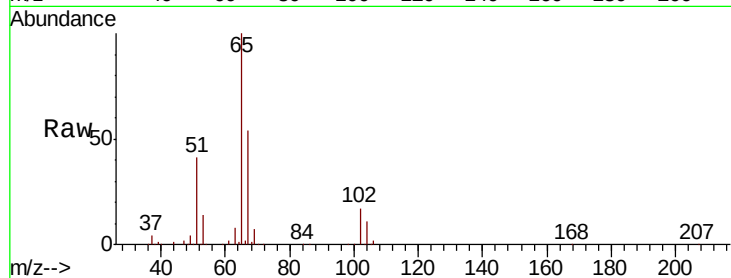




#33
 1,2-Dichloroethane-d4
 Concen: 53.178 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028385.D
 Acq: 29 Nov 2018 11:55

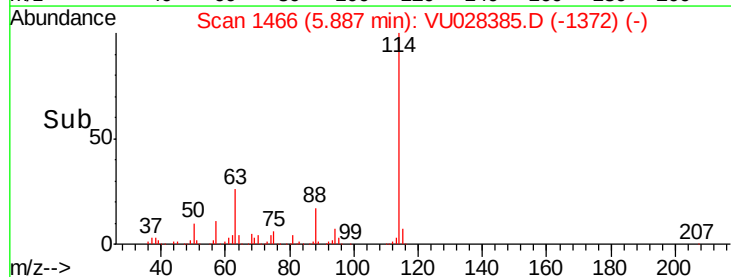
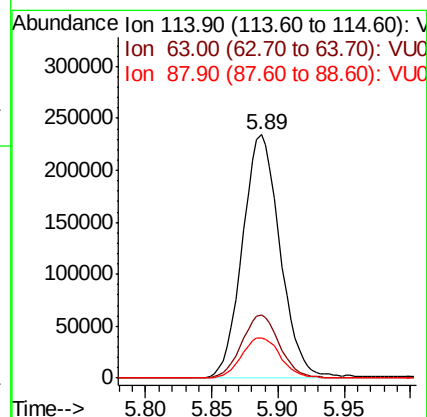
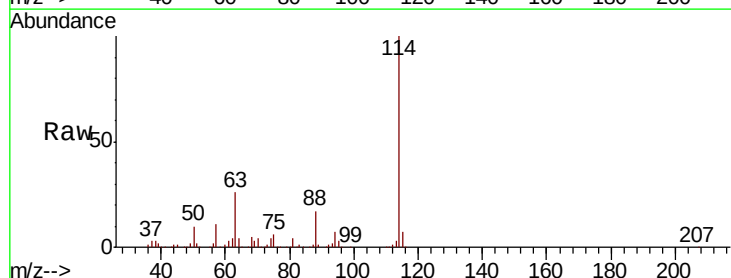
Instrument :
 MSVOA_U
 ClientSampled :

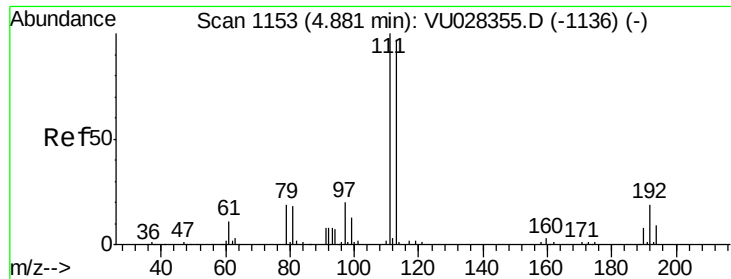
Tot Ion: 65 Resp: 218753
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028385.D
 Acq: 29 Nov 2018 11:55

Tgt Ion: 114 Resp: 462629
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 50.0
 88 16.6 0.0 34.4

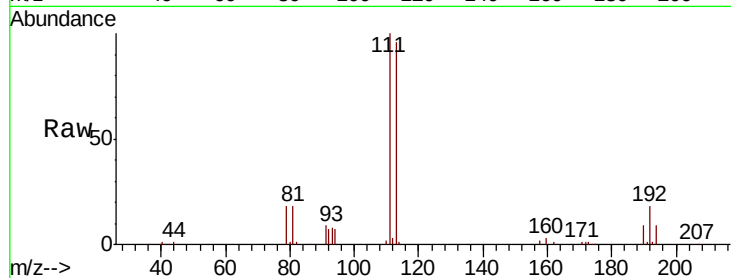




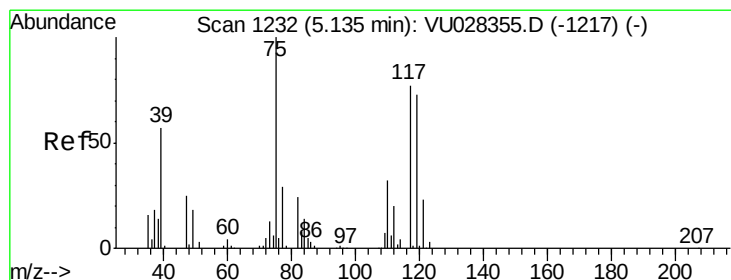
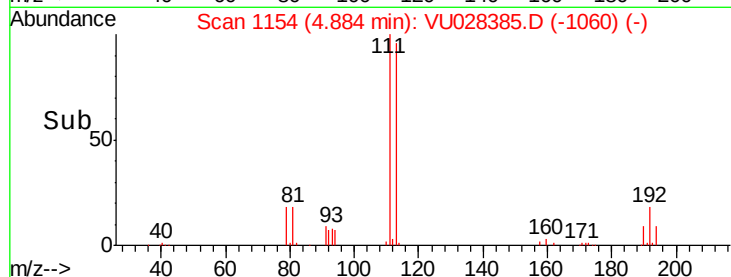
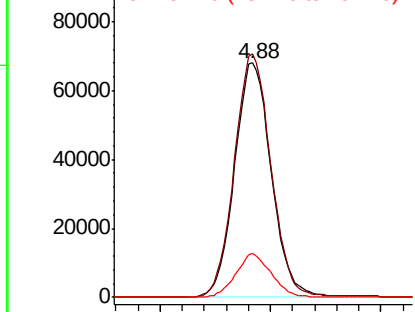
#35
 Dibromofluoromethane
 Concen: 51.062 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028385.D
 Acq: 29 Nov 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	18.0	15.4	23.0

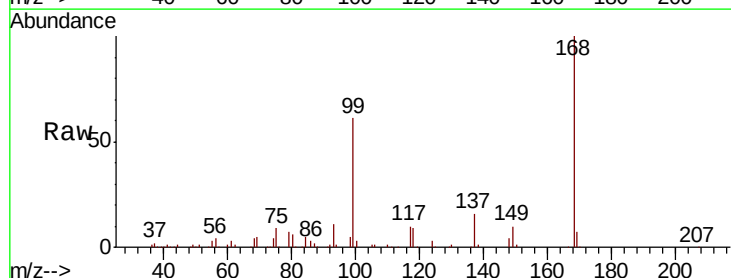


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

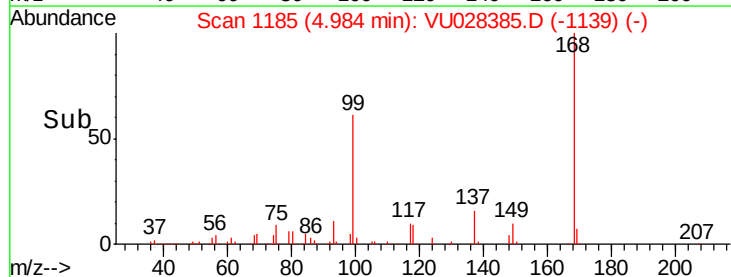
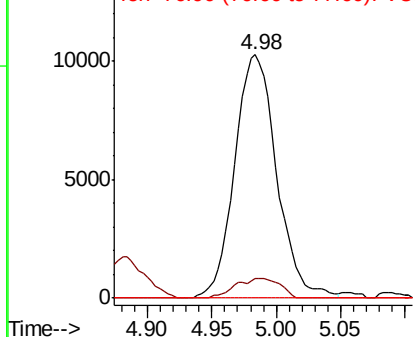


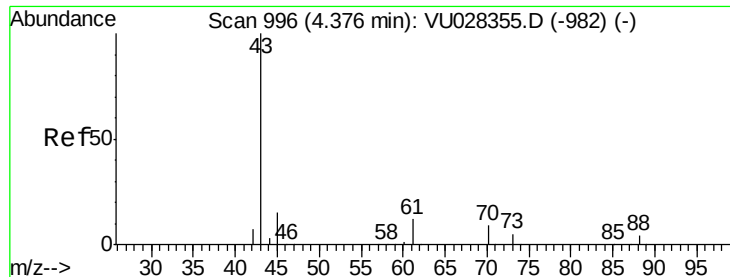
#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028385.D
 Acq: 29 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	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

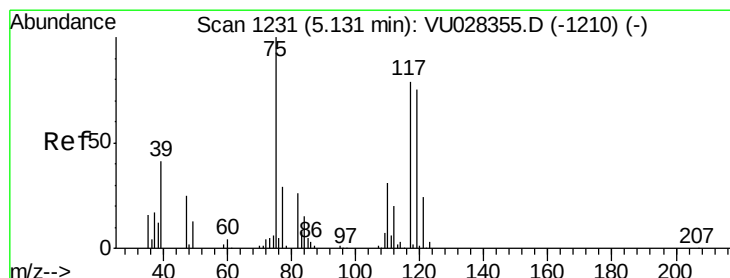
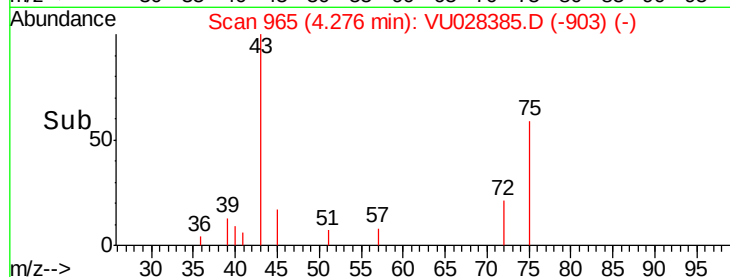
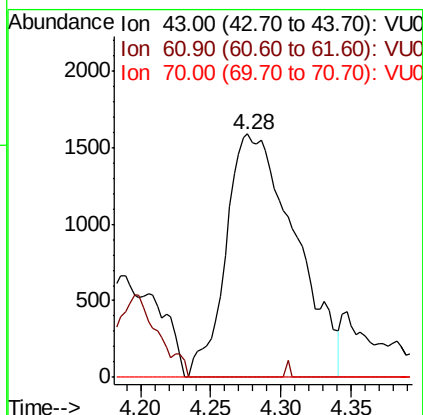
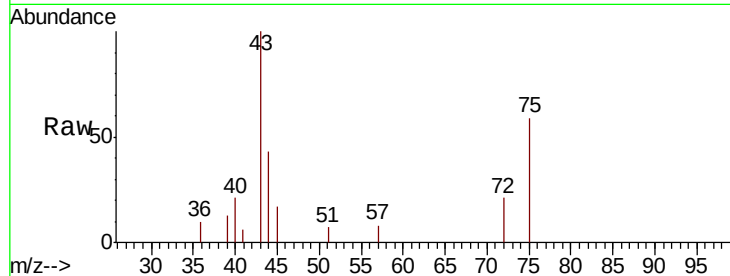




#37
Ethyl Acetate
Concen: 0.788 ug/l
RT: 4.28 min Scan# 965
Delta R.T. -0.10 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

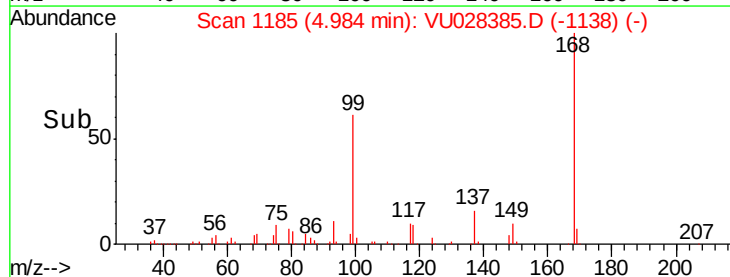
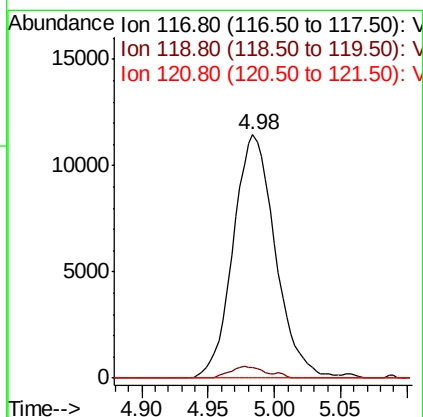
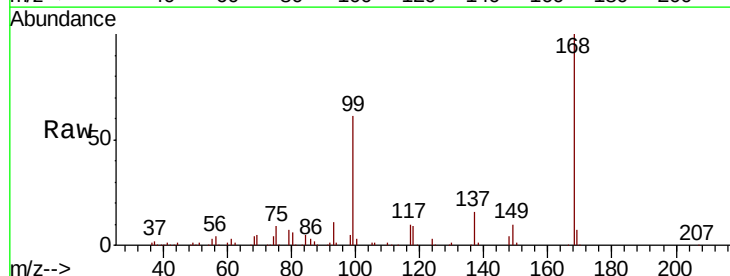
Instrument :
MSVOA_U
ClientSampleId :

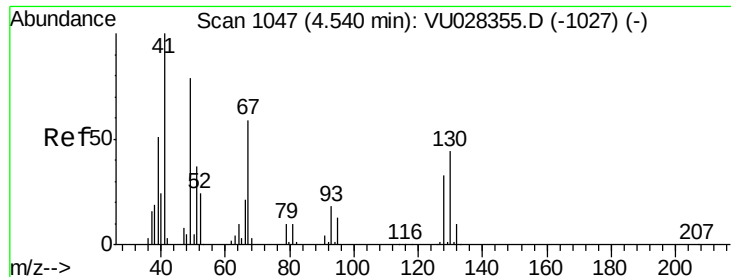
Tot Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion: 117 Resp: 25316
Ion Ratio Lower Upper
117 100
119 4.2 76.3 114.5#
121 0.0 24.7 37.1#

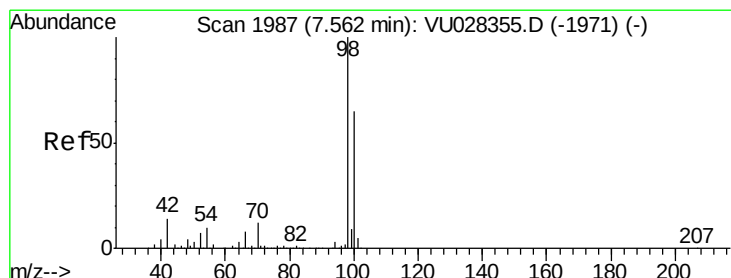
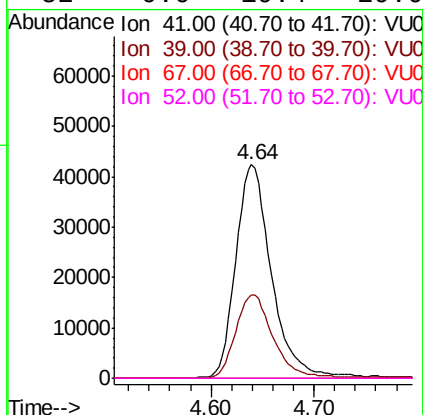
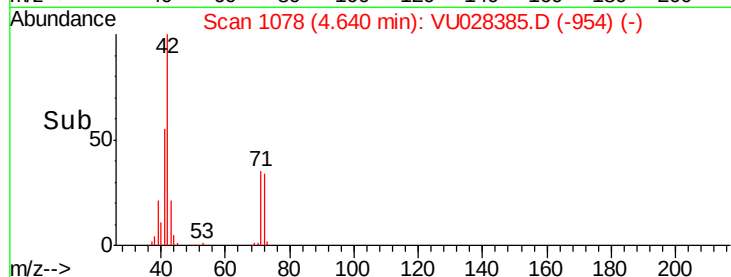
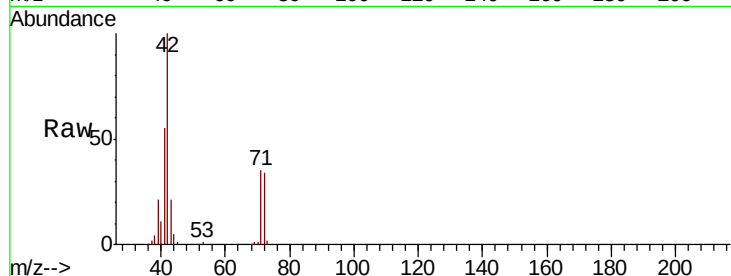




#41
Methacrylonitrile
Concen: 26.519 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.10 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

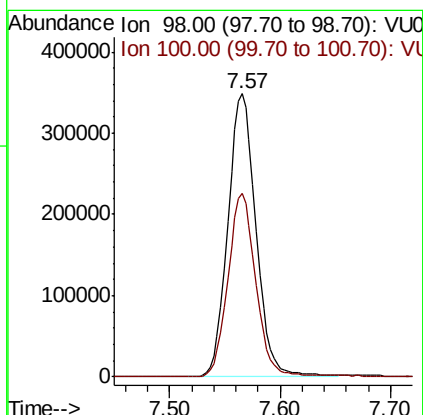
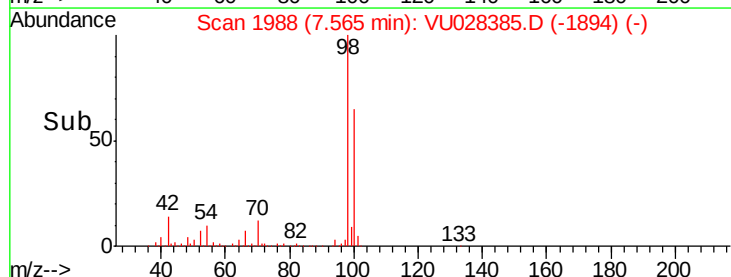
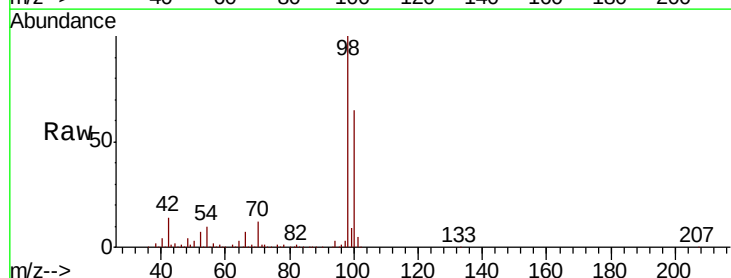
Instrument :
MSVOA_U
ClientSampleId :

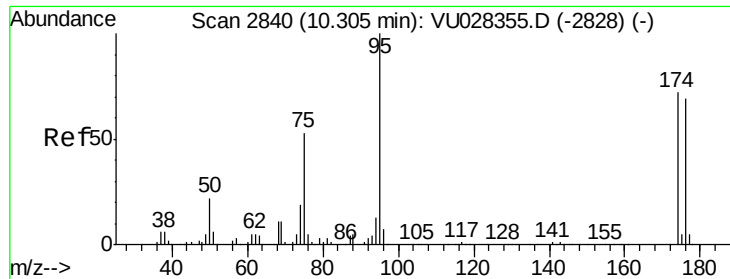
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	40.9	41.3	61.9#	
67	0.0	48.6	73.0#	
52	0.0	19.4	29.0#	



#50
Toluene-d8
Concen: 50.169 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
98	100			
100	63.7	50.8	76.2	

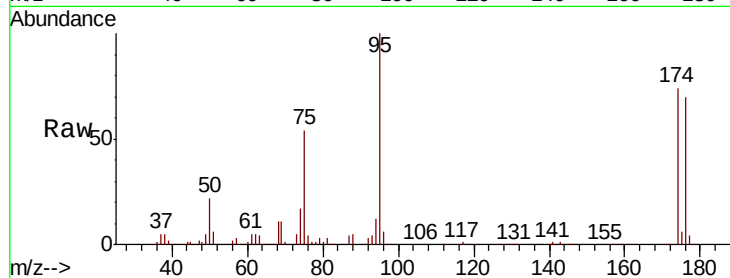




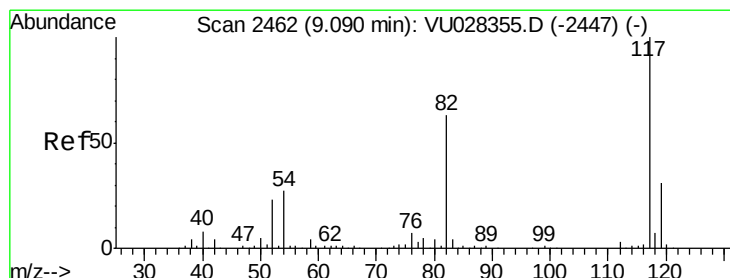
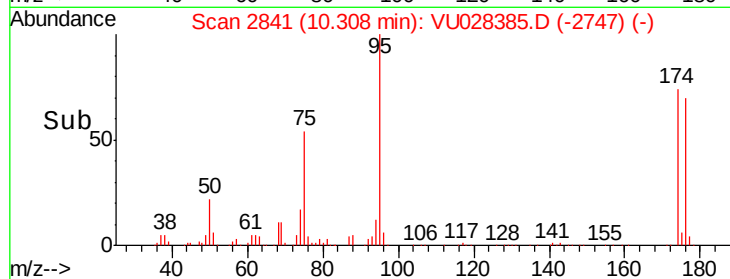
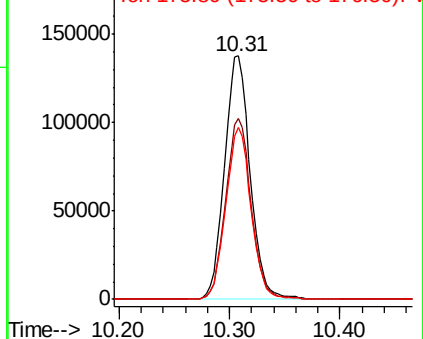
#62
4-Bromofluorobenzene
Concen: 50.164 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	95	Resp	222447
Ion Ratio	Lower	Upper	
95	100		
174	73.8	0.0	145.4
176	69.6	0.0	140.8

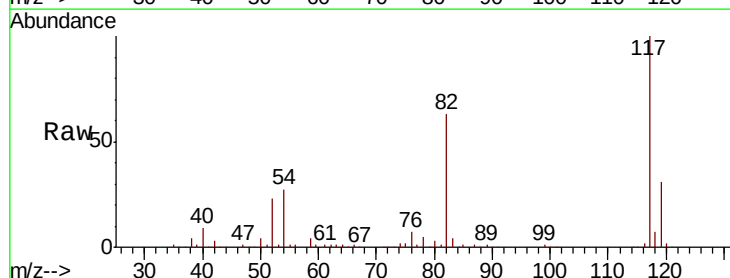


Abundance Ion 94.90 (94.60 to 95.60): VU028385.D (-2828) (-)

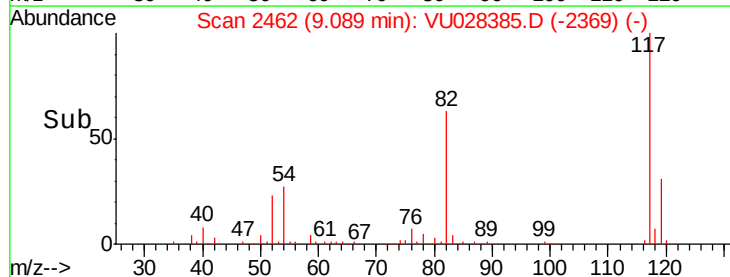
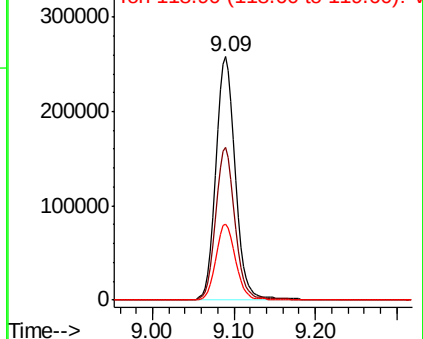


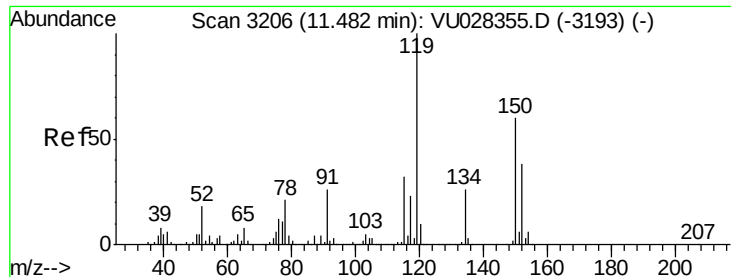
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion	117	Resp	438135
Ion Ratio	Lower	Upper	
117	100		
82	62.6	50.3	75.5
119	31.4	24.8	37.2



Abundance Ion 116.90 (116.60 to 117.60): VU028385.D (-2447) (-)



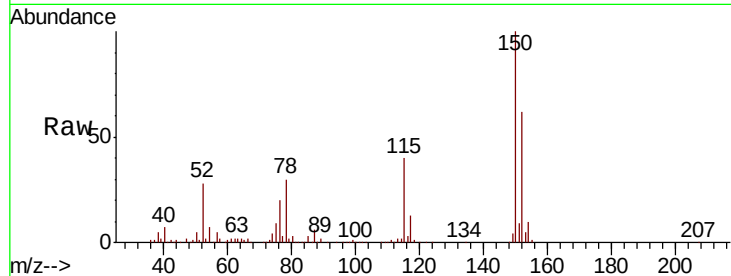


#72

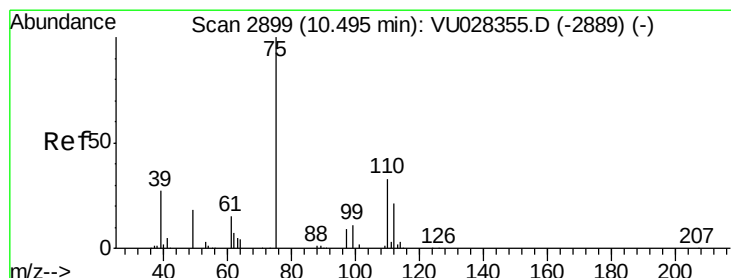
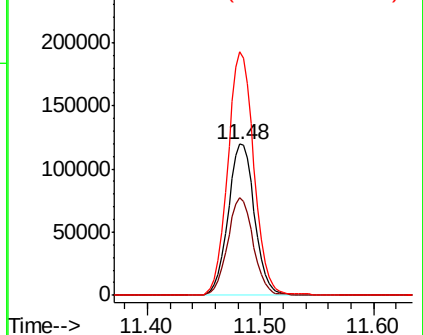
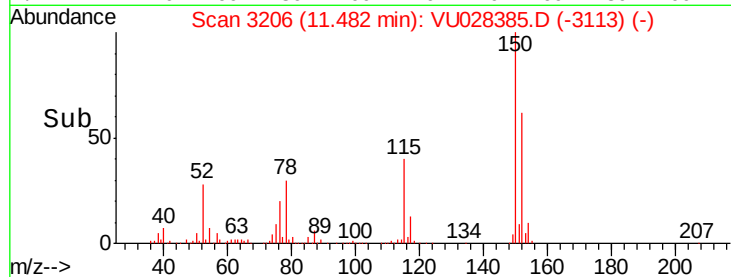
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:152 Resp: 194818
Ion Ratio Lower Upper
152 100
115 62.7 45.0 134.8
150 157.9 0.0 349.2



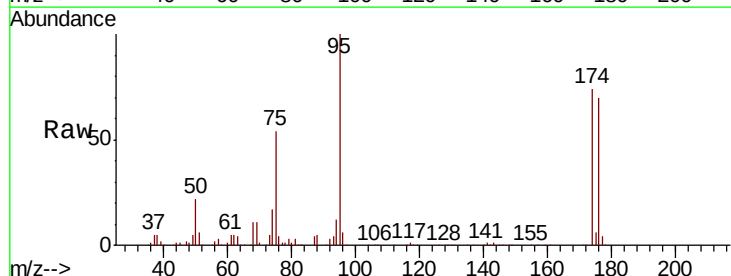
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



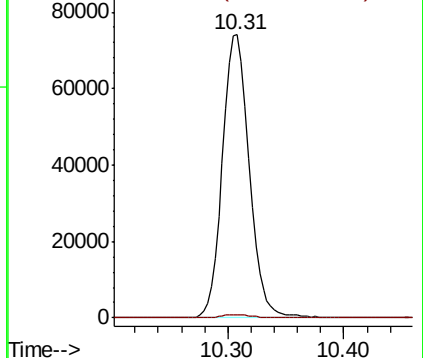
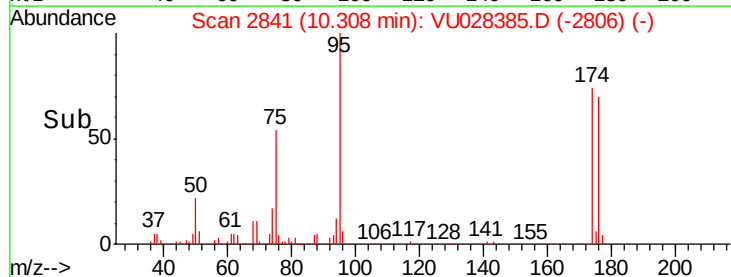
#76

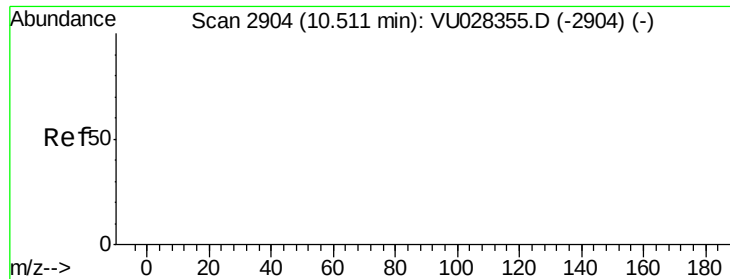
1,2,3-Trichloropropane
Concen: 21.966 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion: 75 Resp: 118673
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

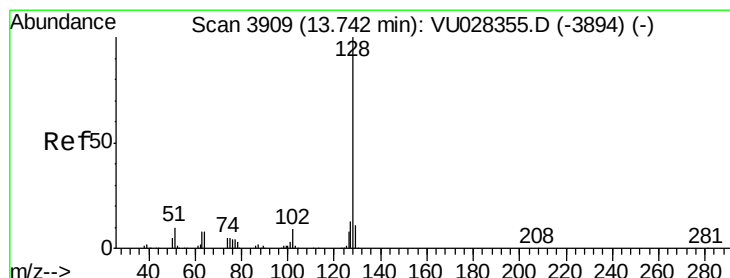
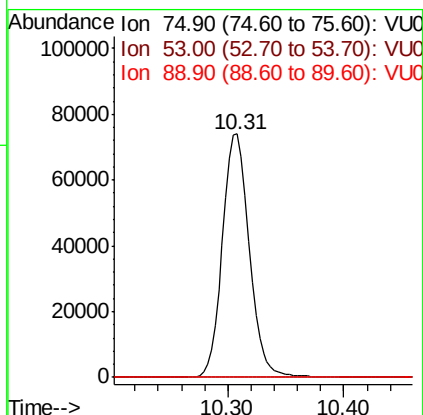
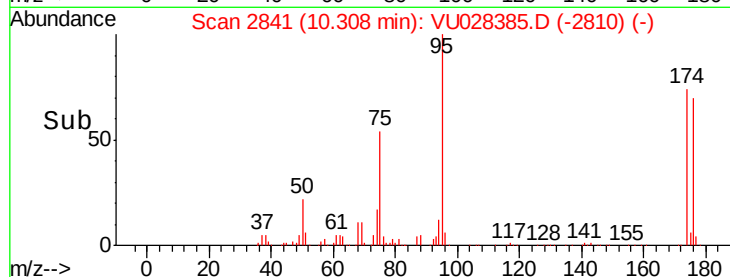
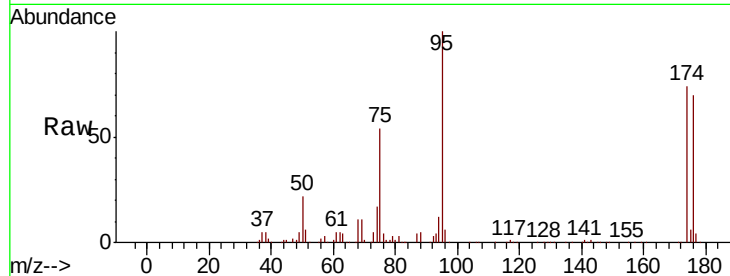




#81
trans-1,4-Dichloro-2-butene
Concen: 58.310 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 118673
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 2.841 ug/l
RT: 13.77 min Scan# 3917
Delta R.T. 0.03 min
Lab File: VU028385.D
Acq: 29 Nov 2018 11:55

Tgt Ion:128 Resp: 93
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

