

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029081.D
 Acq On : 09 Jan 2019 09:38
 Operator : MD/SY
 Sample : VU0109WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	109789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	186786	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63365	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	71451	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	4.88	113	63925	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	7.56	98	236270	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	10.31	95	70951	41.30	ug/l	0.00
Spiked Amount			Recovery	=	82.60%	

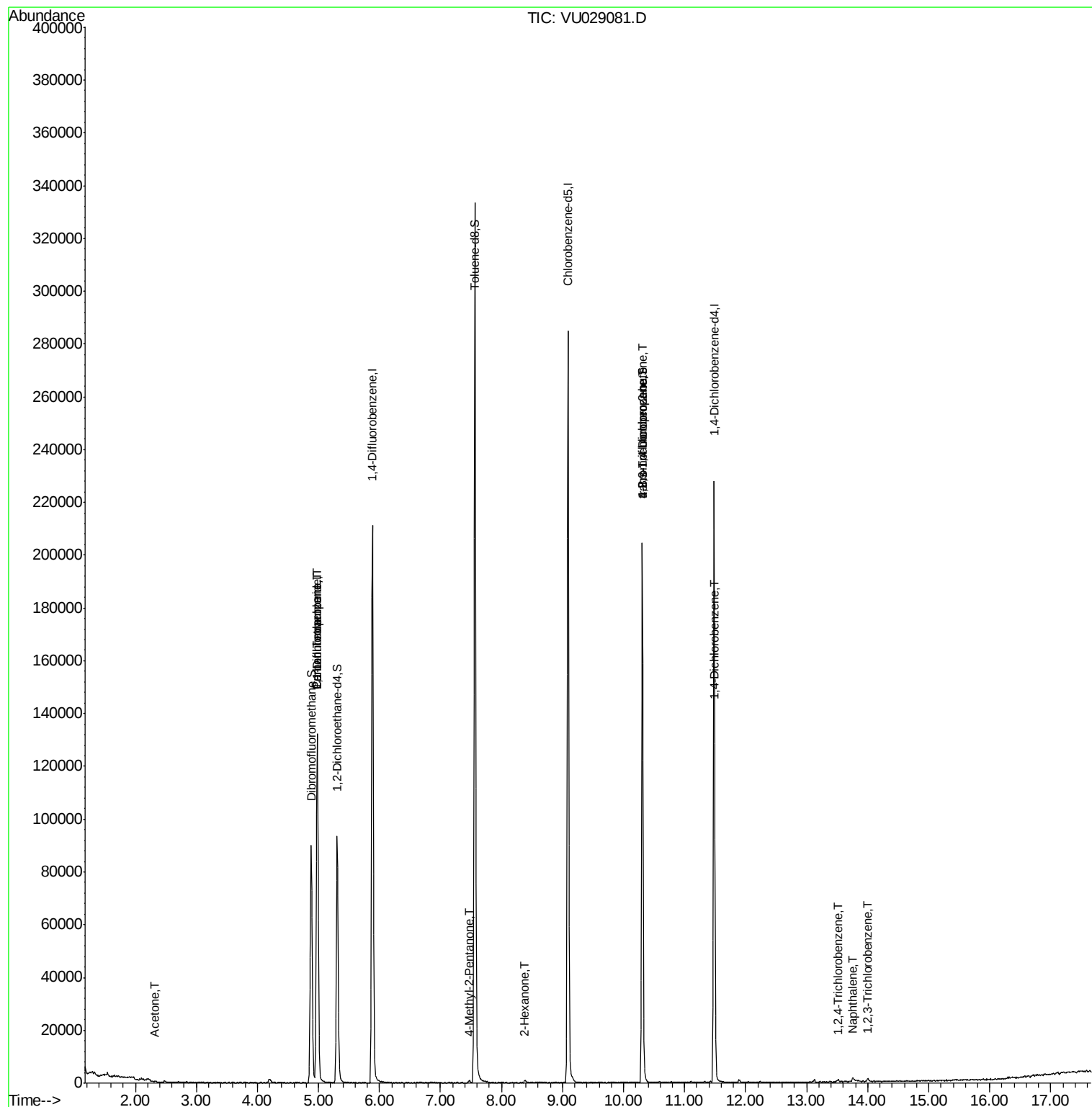
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	586	Below Cal	#	83
5) Bromomethane	1.63	94	40	Below Cal	#	2
16) Acetone	2.32	43	421	0.492	ug/l #	39
17) Carbon Disulfide	2.48	76	733	Below Cal	#	75
31) Cyclohexane	4.98	56	1947	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7788	4.171	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9843	6.321	ug/l #	18
51) 4-Methyl-2-Pentanone	7.47	43	886	0.414	ug/l #	83
59) 2-Hexanone	8.38	43	845	0.503	ug/l	92
76) 1,2,3-Trichloropropane	10.30	75	34210	22.035	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	34210	56.829	ug/l #	100
88) 1,4-Dichlorobenzene	11.50	146	552	0.239	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.52	180	510	0.354	ug/l #	79
95) Naphthalene	13.75	128	2591	0.528	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.00	180	869	1.352	ug/l #	74

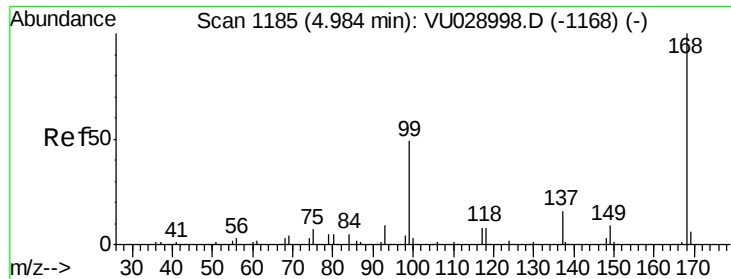
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

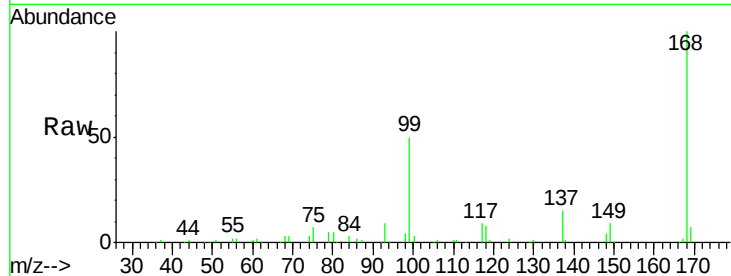
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 109789

Ion Ratio Lower Upper

168 100

99 49.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

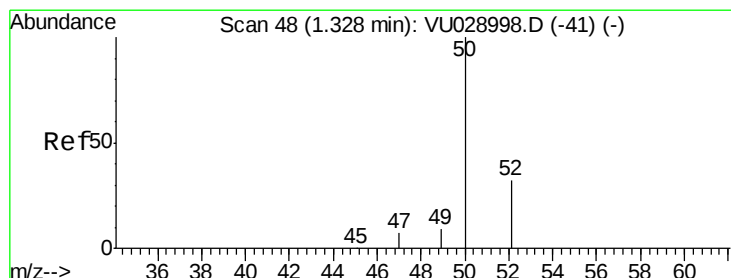
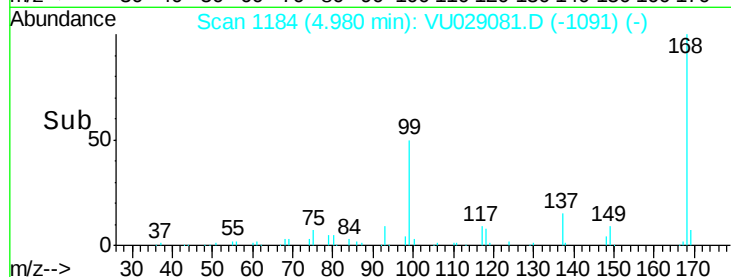
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029081.D

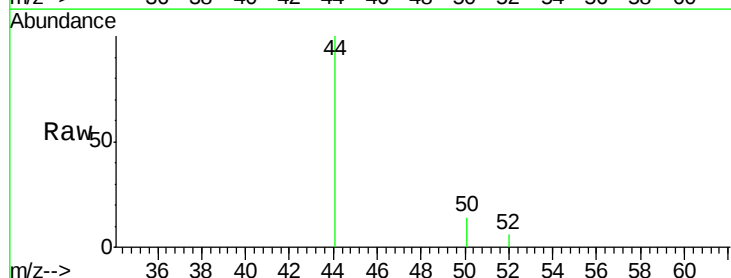
Acq: 09 Jan 2019 09:38

Tgt Ion: 50 Resp: 586

Ion Ratio Lower Upper

50 100

52 42.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

500

400

300

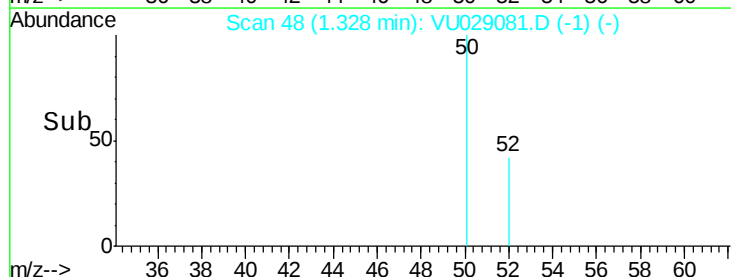
200

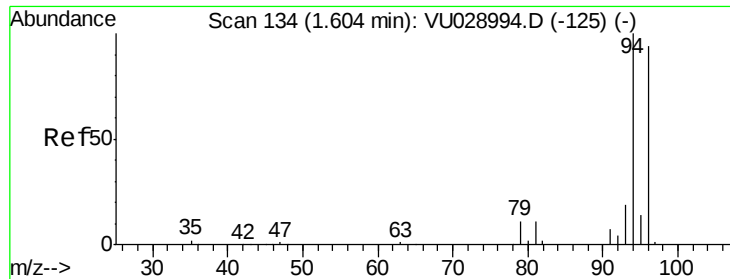
100

0

1.30 1.32 1.34 1.36

Time-->

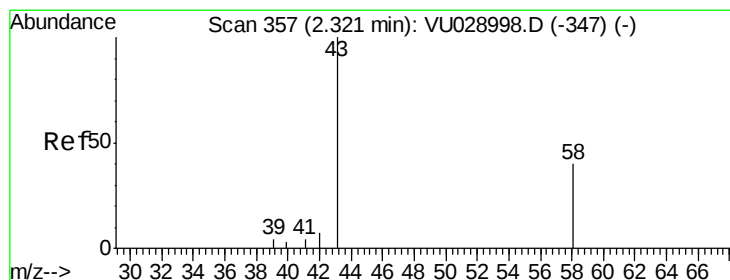
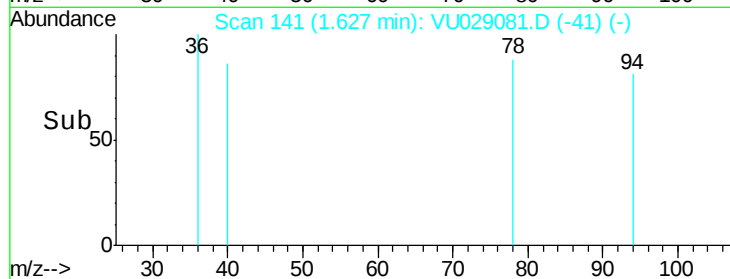
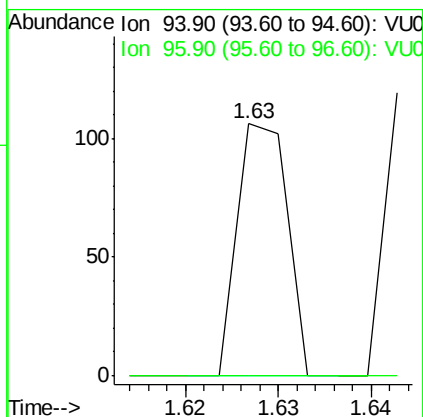
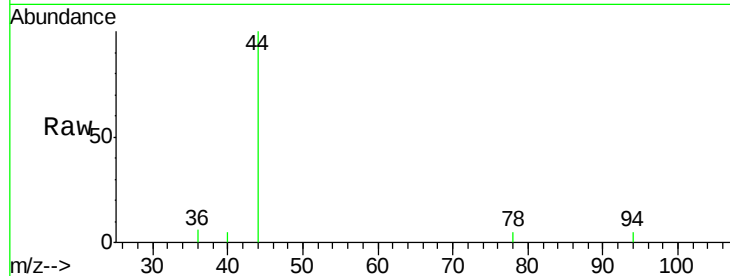




#5
Bromomethane
Concen: Below Cal
RT: 1.63 min Scan# 141
Delta R.T. 0.02 min
Lab File: VU029081.D
Acq: 09 Jan 2019 09:38

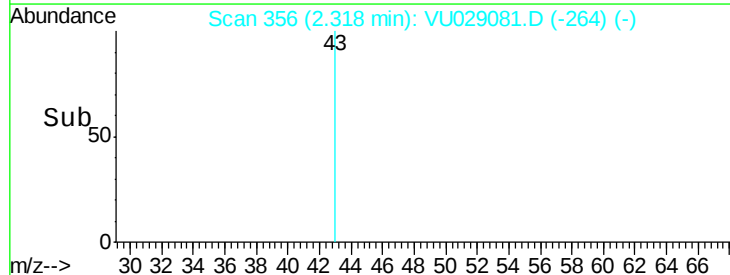
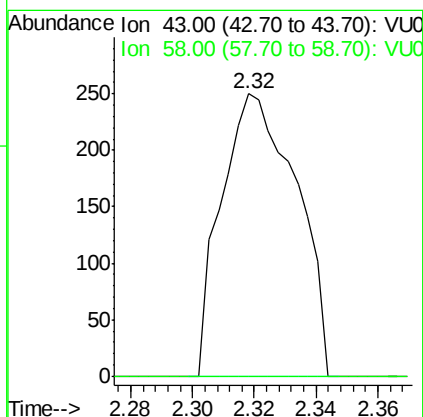
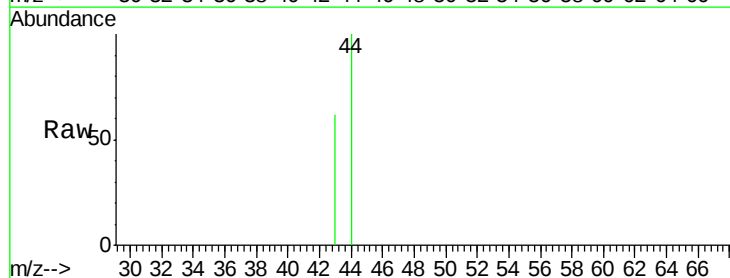
Instrument :
MSVOA_U
ClientSampled :

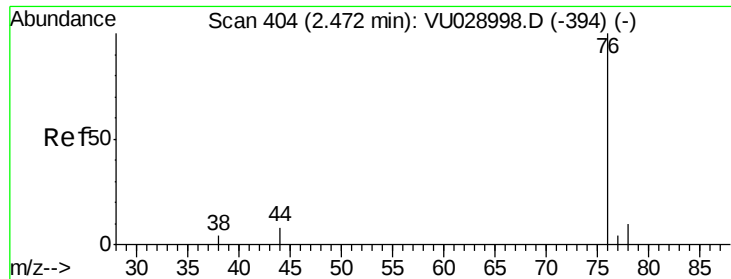
Tot Ion: 94 Resp: 40
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



#16
Acetone
Concen: 0.492 ug/l
RT: 2.32 min Scan# 356
Delta R.T. -0.00 min
Lab File: VU029081.D
Acq: 09 Jan 2019 09:38

Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

Instrument :

MSVOA_U

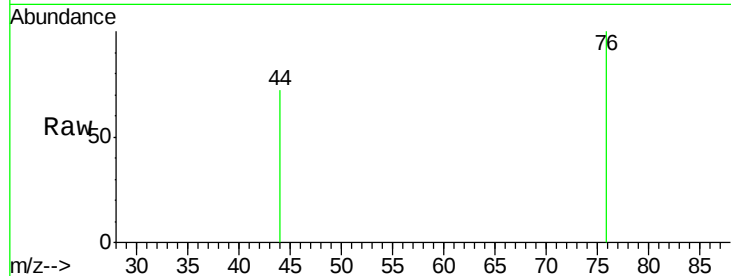
ClientSampleId :

Tot Ion: 76 Resp: 733

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

500

400

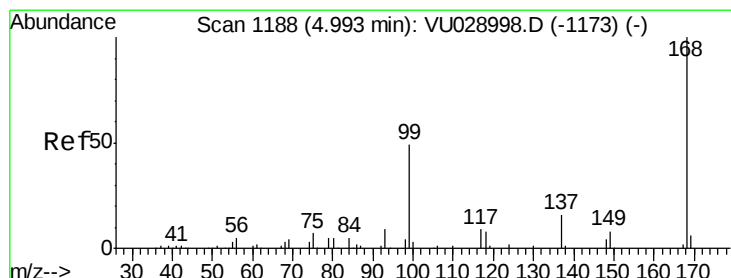
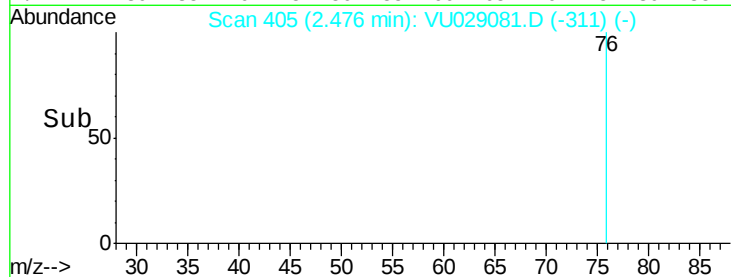
300

200

100

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

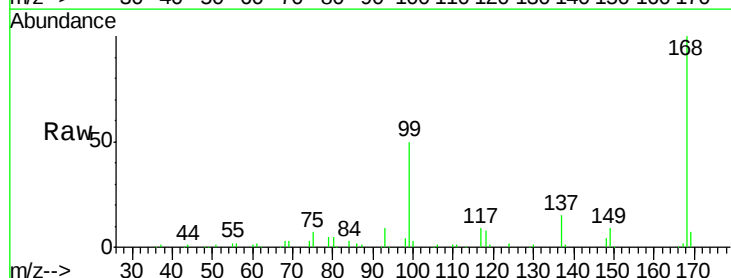
Tgt Ion: 56 Resp: 1947

Ion Ratio Lower Upper

56 100

69 172.4 26.7 40.1#

84 165.4 65.7 98.5#



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

2000

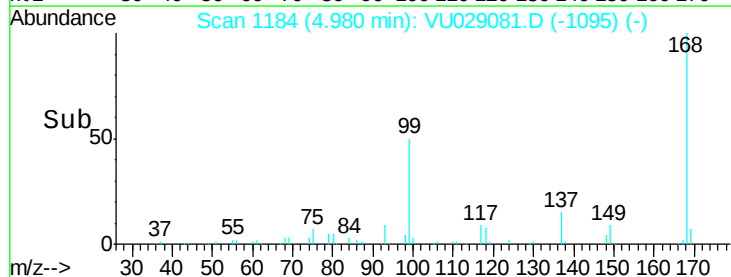
1500

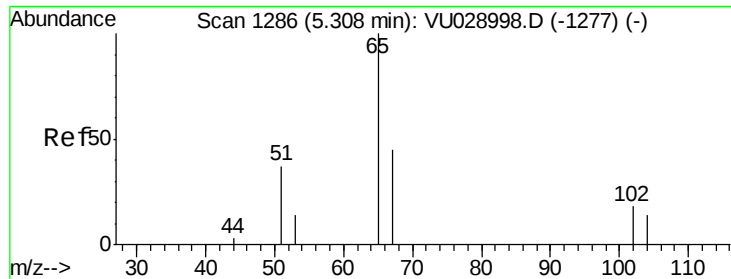
1000

500

0

Time-->

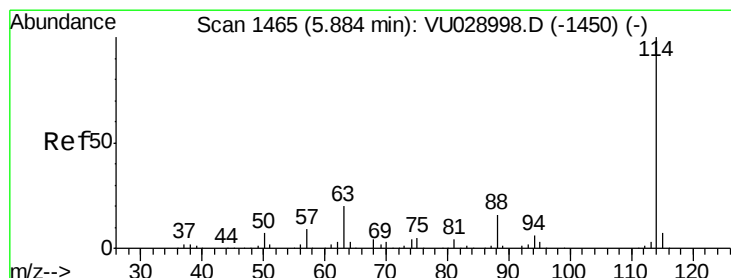
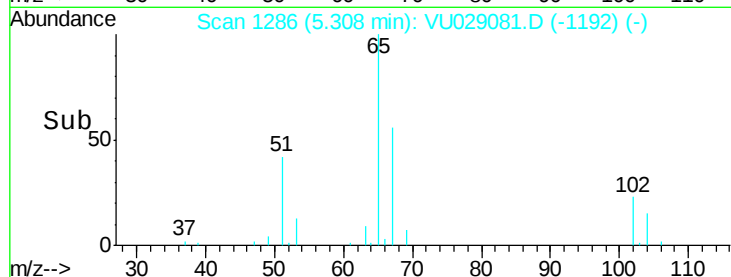
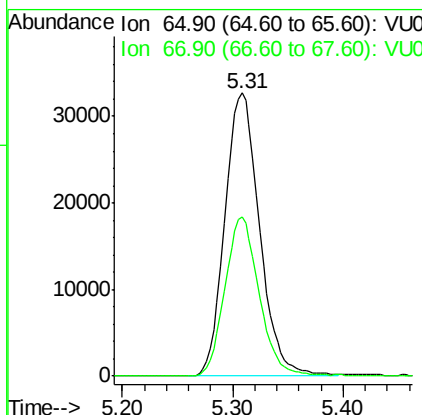
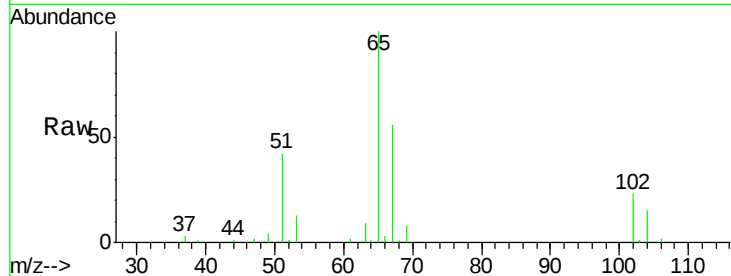




#33
 1,2-Dichloroethane-d4
 Concen: 52.646 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

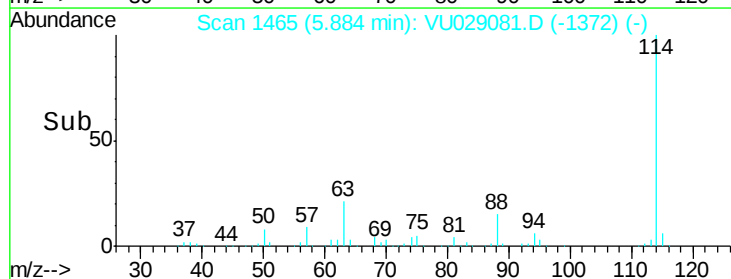
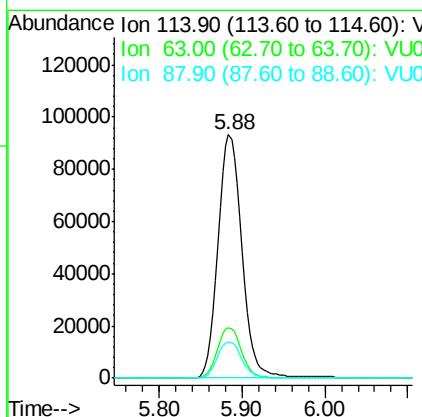
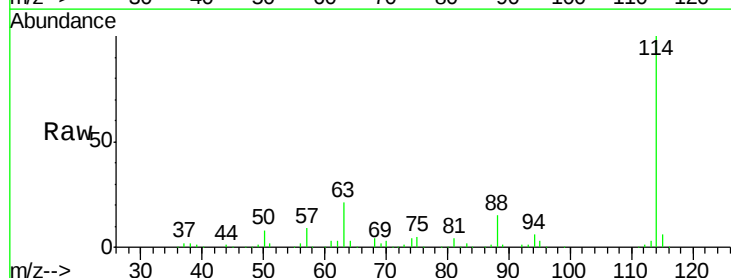
Instrument :
 MSVOA_U
 ClientSampleId :

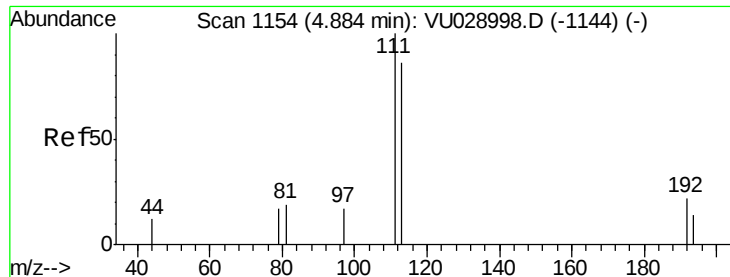
Tot Ion: 65 Resp: 71451
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Tgt Ion: 114 Resp: 186786
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 14.9 0.0 30.4

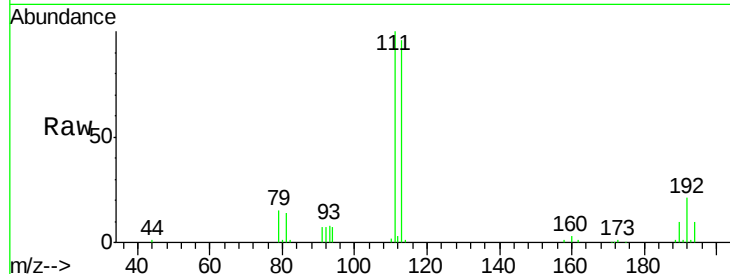




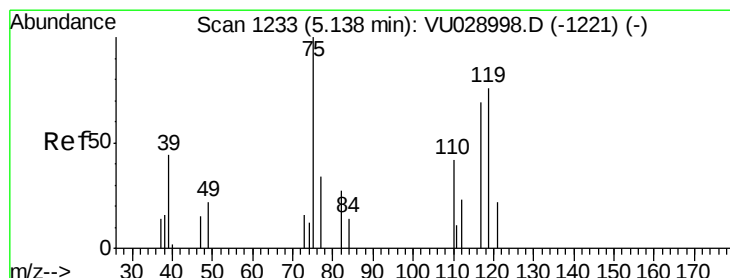
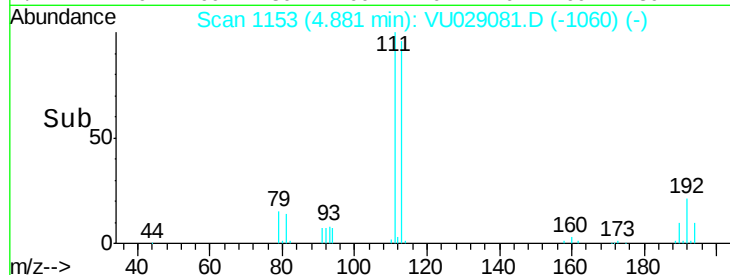
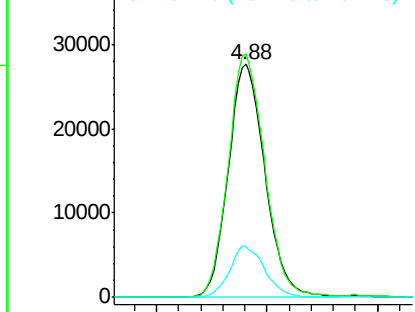
#35
 Dibromofluoromethane
 Concen: 52.796 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.2
192	21.1	16.8	25.2

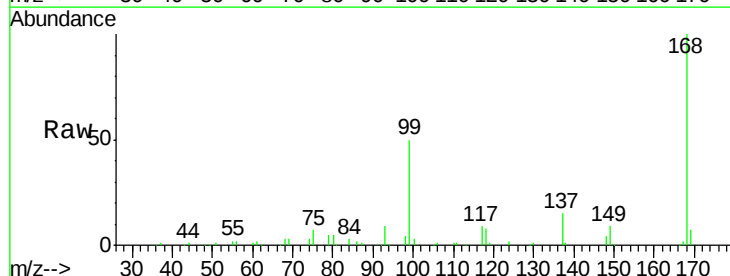


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

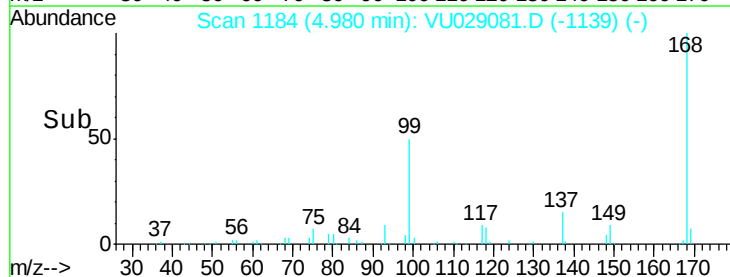
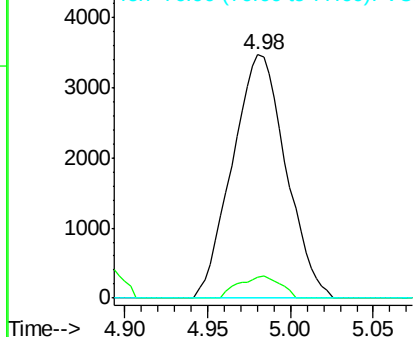


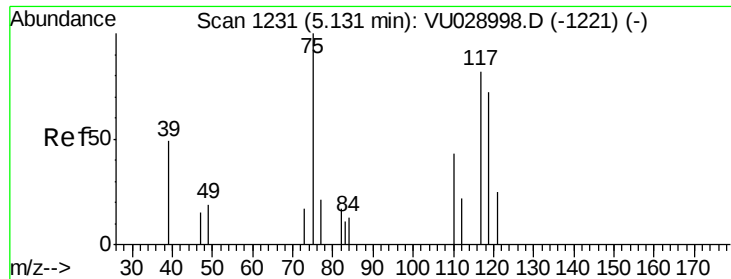
#36
 1,1-Dichloropropene
 Concen: 4.171 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.4	55.4#
77	0.0	25.1	37.7#



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





#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

Instrument :

MSVOA_U

ClientSampled :

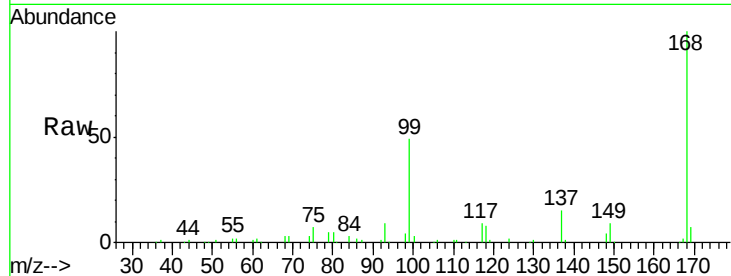
Tot Ion:117 Resp: 9843

Ion Ratio Lower Upper

117 100

119 6.2 74.6 111.8#

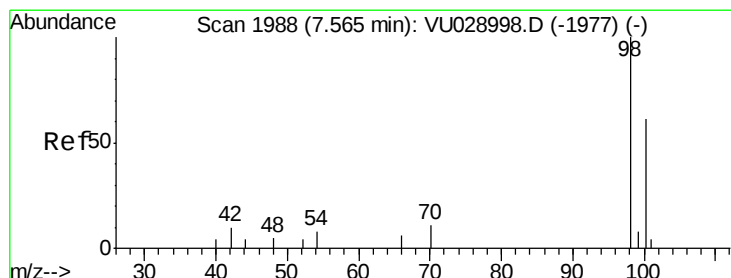
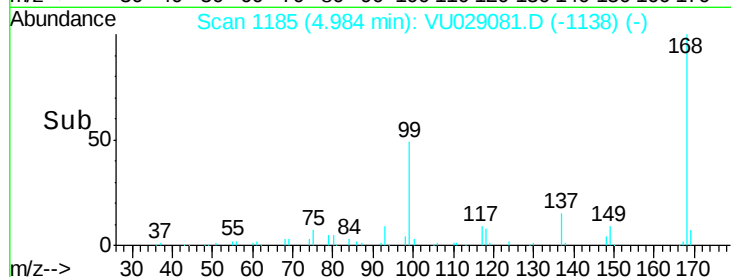
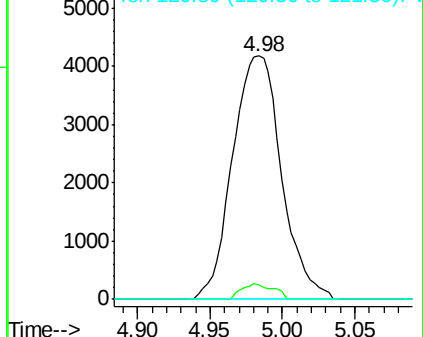
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 49.428 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029081.D

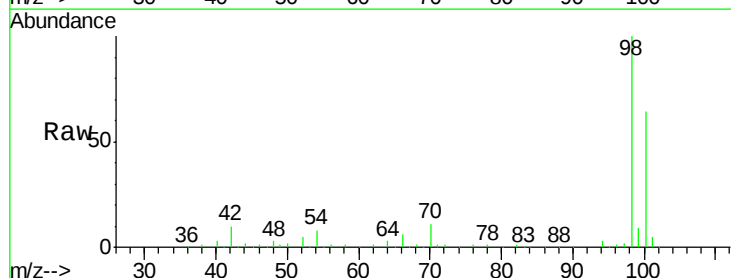
Acq: 09 Jan 2019 09:38

Tgt Ion: 98 Resp: 236270

Ion Ratio Lower Upper

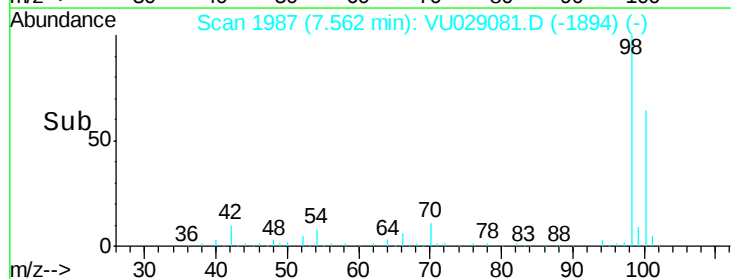
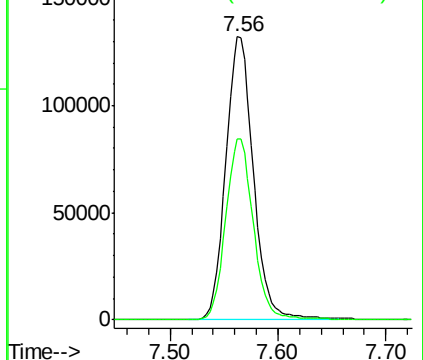
98 100

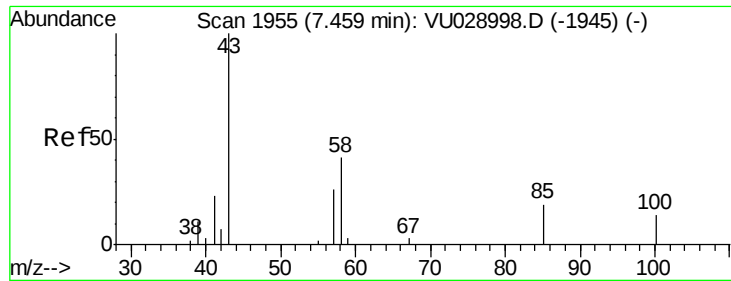
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.414 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

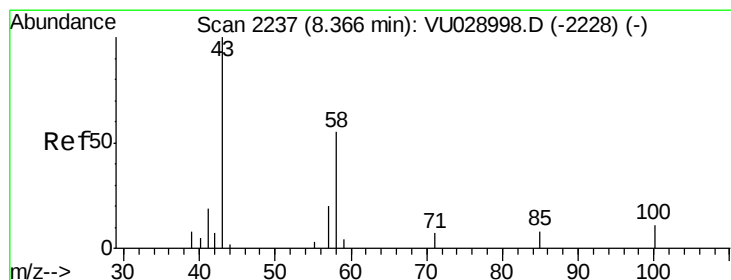
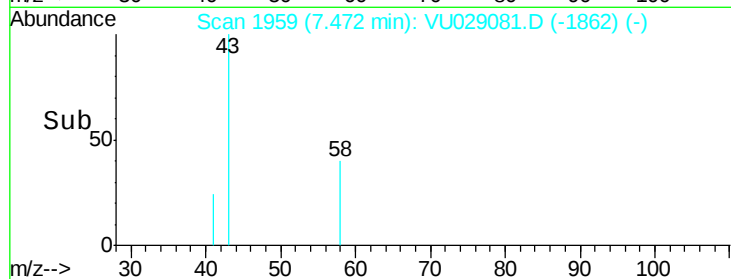
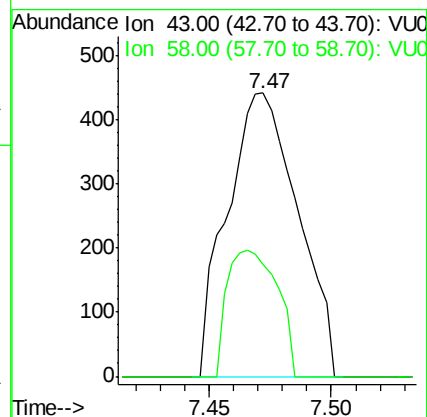
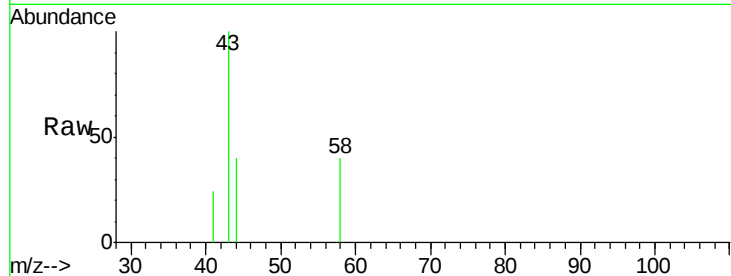
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

58 31.7 33.9 50.9#



#59

2-Hexanone

Concen: 0.503 ug/l

RT: 8.38 min Scan# 2241

Delta R.T. 0.02 min

Lab File: VU029081.D

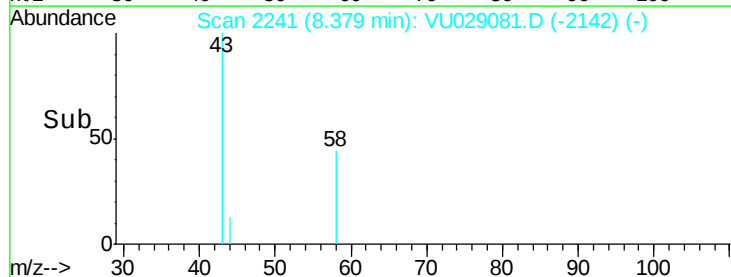
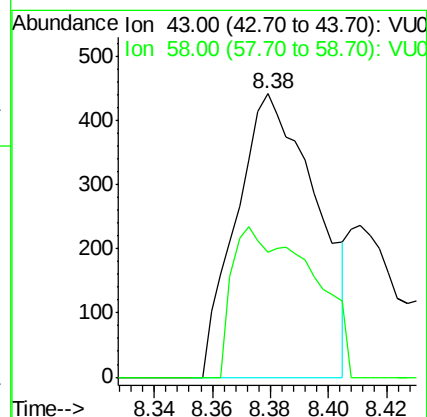
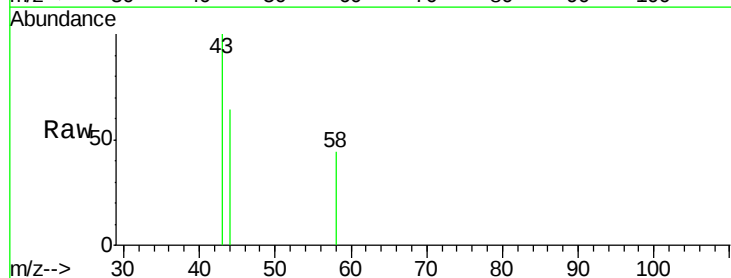
Acq: 09 Jan 2019 09:38

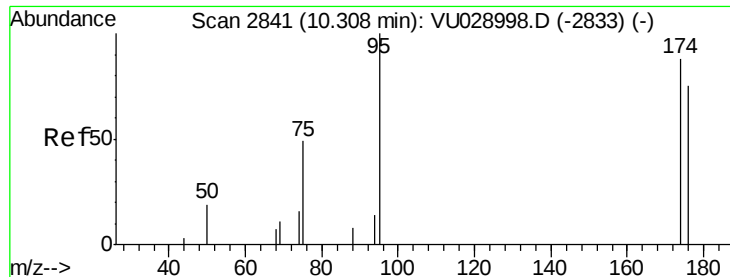
Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

58 53.4 29.8 89.4





#62

4-Bromofluorobenzene

Concen: 41.302 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

Instrument :

MSVOA_U

ClientSampleId :

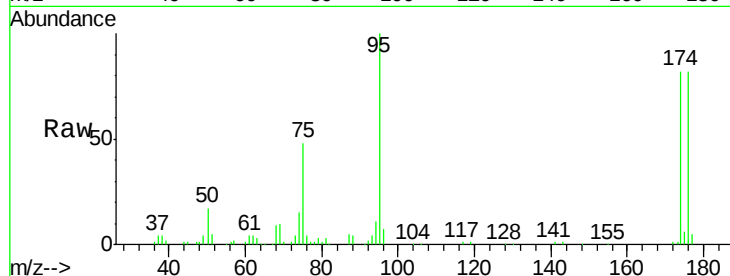
Tot Ion: 95 Resp: 70951

Ion Ratio Lower Upper

95 100

174 84.4 0.0 170.6

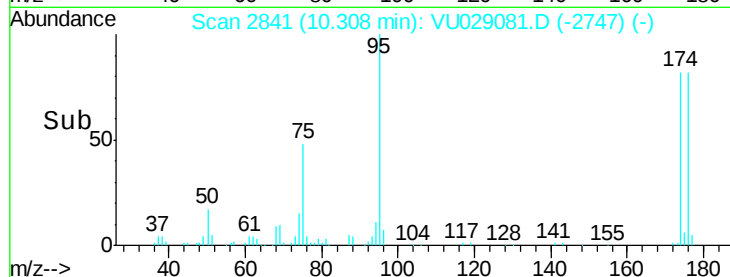
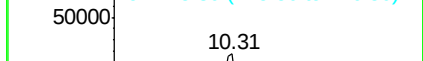
176 81.0 0.0 165.0



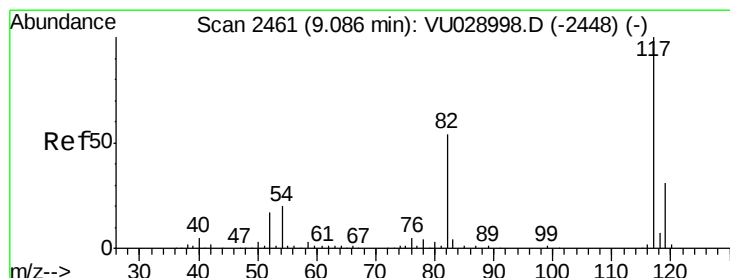
Abundance Ion 94.90 (94.60 to 95.60): VU028998.D (-2833) (-)

Ion 173.80 (173.50 to 174.50): VU028998.D (-2833) (-)

Ion 175.80 (175.50 to 176.50): VU028998.D (-2833) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

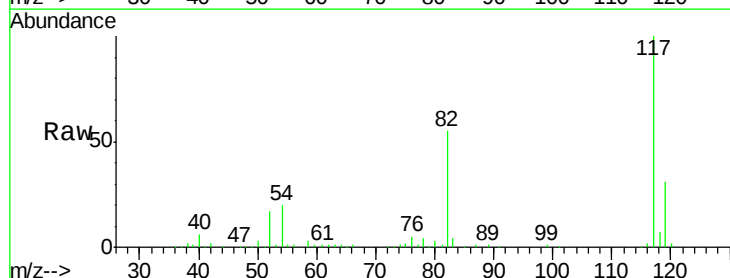
Tgt Ion: 117 Resp: 168330

Ion Ratio Lower Upper

117 100

82 54.9 43.9 65.9

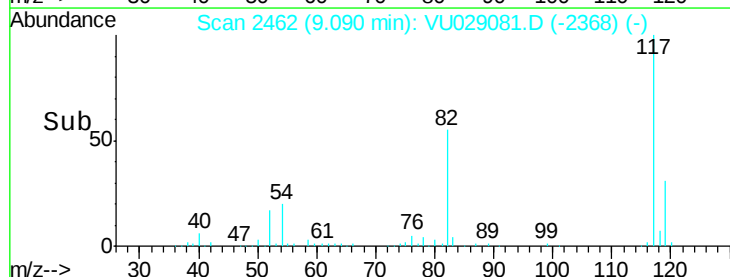
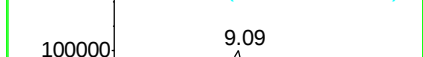
119 30.9 26.0 39.0



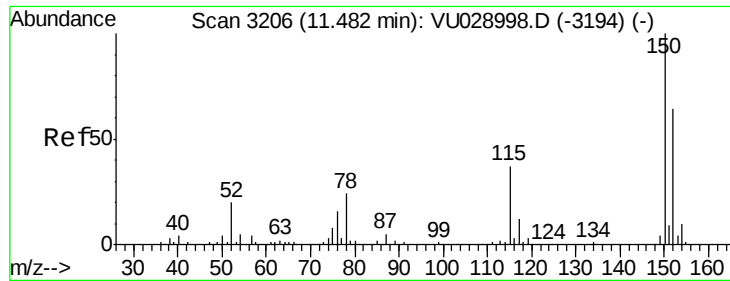
Abundance Ion 116.90 (116.60 to 117.60): VU028998.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028998.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028998.D (-2448) (-)



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029081.D

Acq: 09 Jan 2019 09:38

Instrument :

MSVOA_U

ClientSampleId :

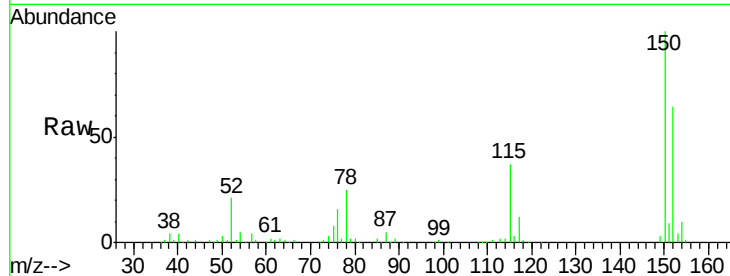
Tot Ion:152 Resp: 63365

Ion Ratio Lower Upper

152 100

115 56.7 40.1 120.3

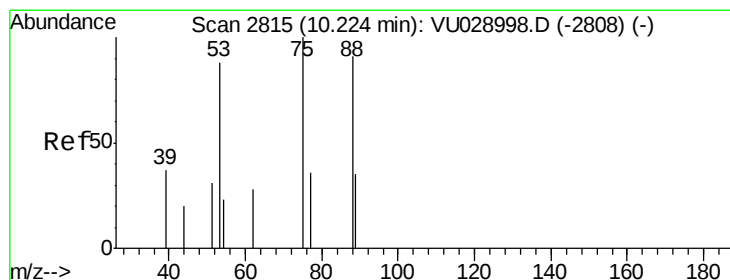
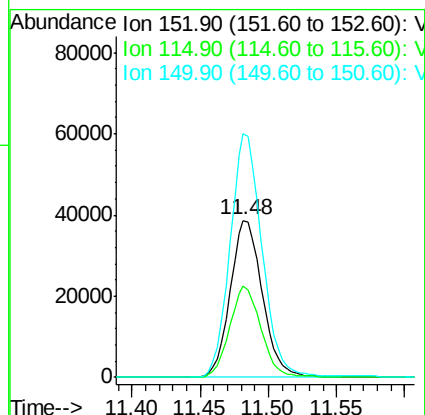
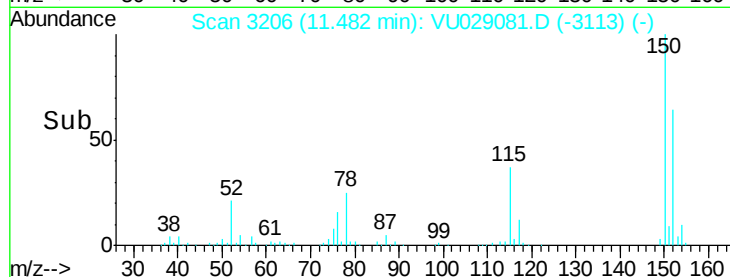
150 154.5 0.0 345.2



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: 22.035 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029081.D

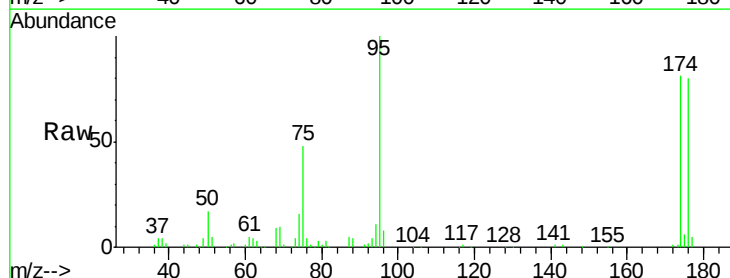
Acq: 09 Jan 2019 09:38

Tgt Ion: 75 Resp: 34210

Ion Ratio Lower Upper

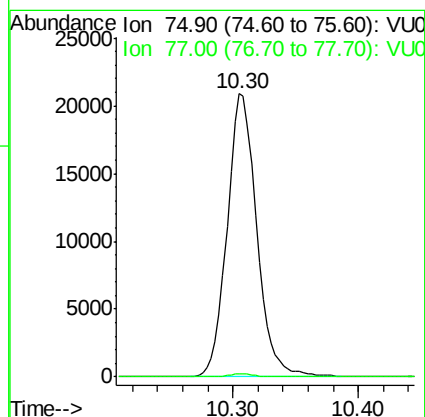
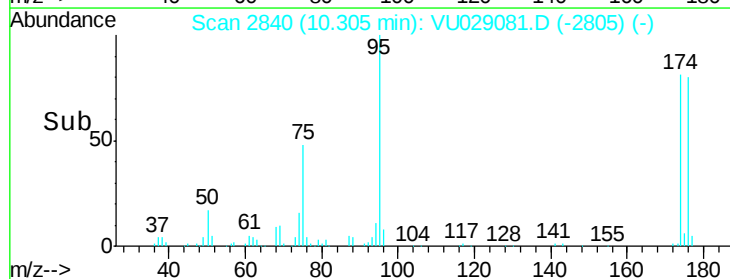
75 100

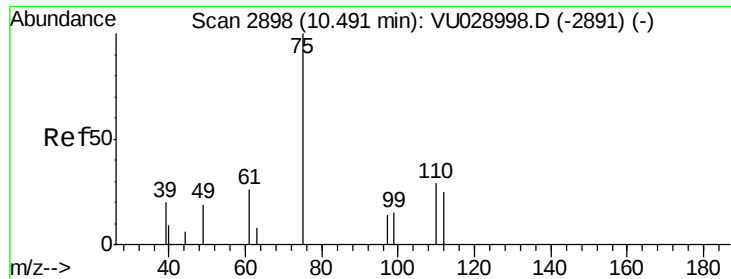
77 0.8 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

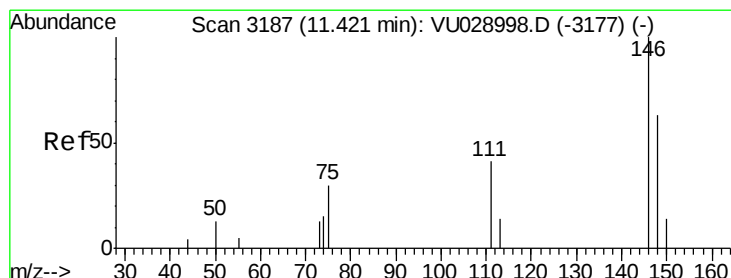
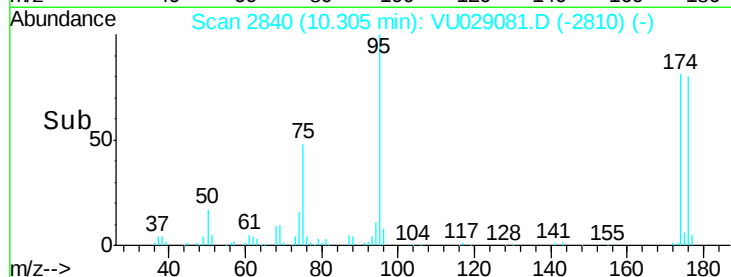
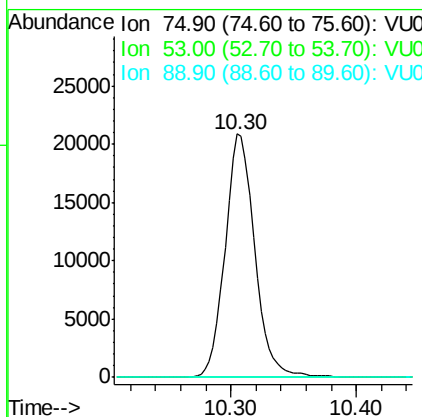
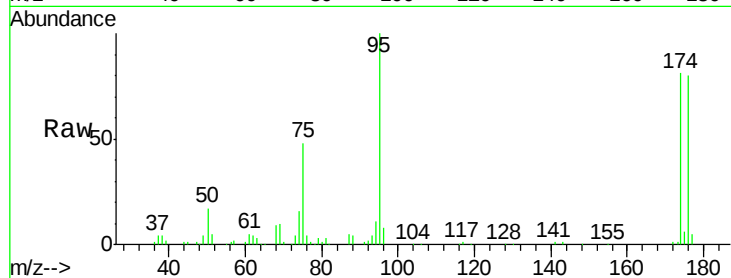




#81
trans-1,4-Dichloro-2-butene
Concen: 56.829 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029081.D
Acq: 09 Jan 2019 09:38

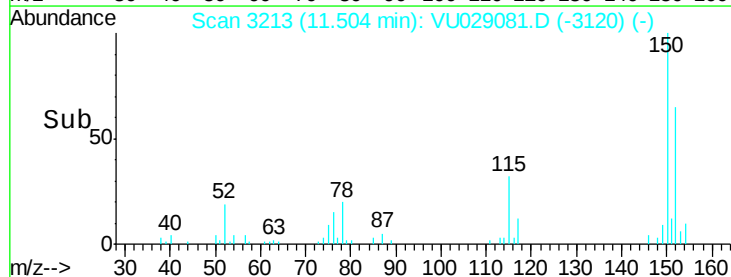
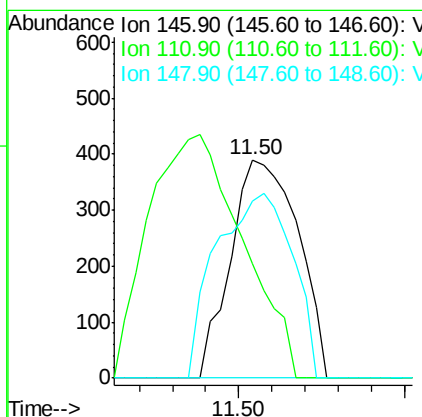
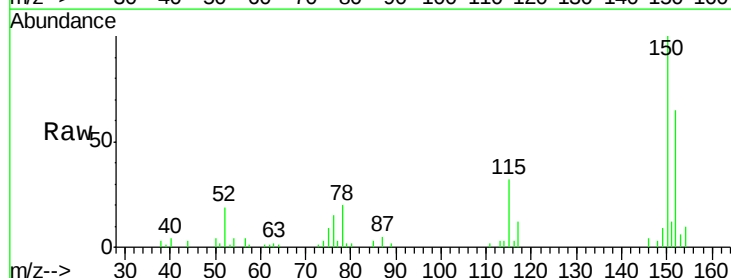
Instrument :
MSVOA_U
ClientSampled :

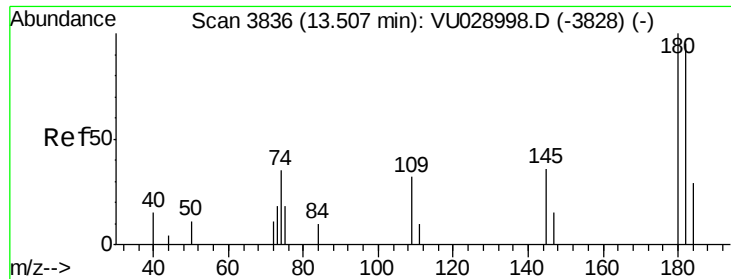
Tot Ion: 75 Resp: 34210
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#88
1,4-Dichlorobenzene
Concen: 0.239 ug/l
RT: 11.50 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VU029081.D
Acq: 09 Jan 2019 09:38

Tgt Ion: 146 Resp: 552
Ion Ratio Lower Upper
146 100
111 154.9 19.1 57.3#
148 95.3 32.6 98.0

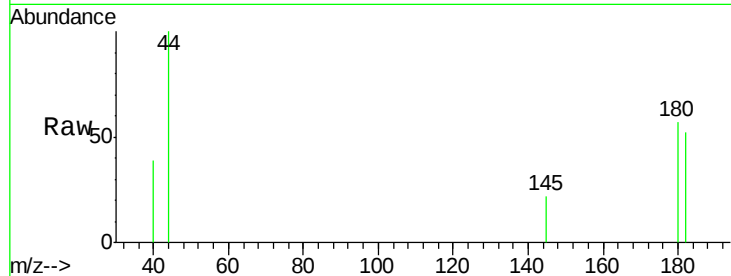




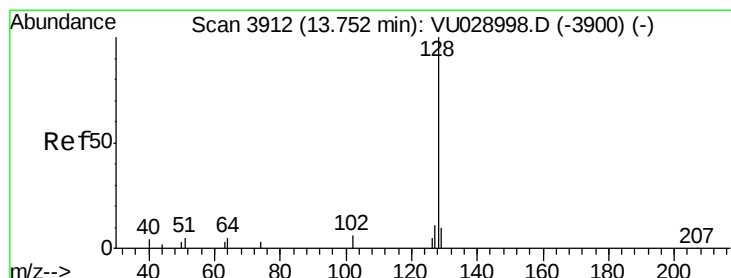
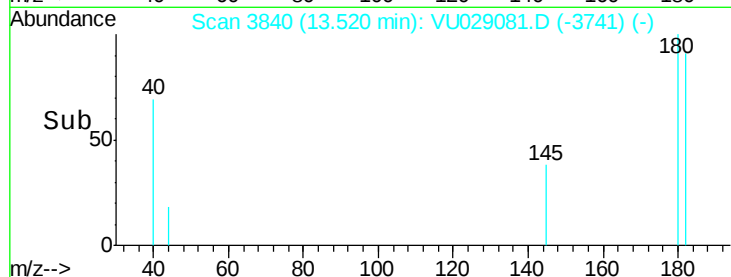
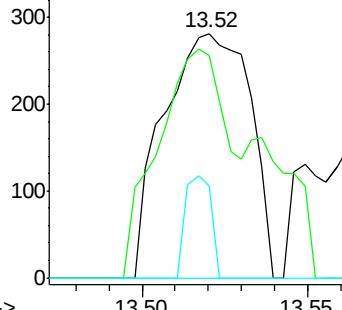
#93
 1,2,4-Trichlorobenzene
 Concen: 0.354 ug/l
 RT: 13.52 min Scan# 3840
 Delta R.T. 0.02 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 510
 Ion Ratio Lower Upper
 180 100
 182 76.5 47.5 142.6
 145 12.5 14.0 42.0#

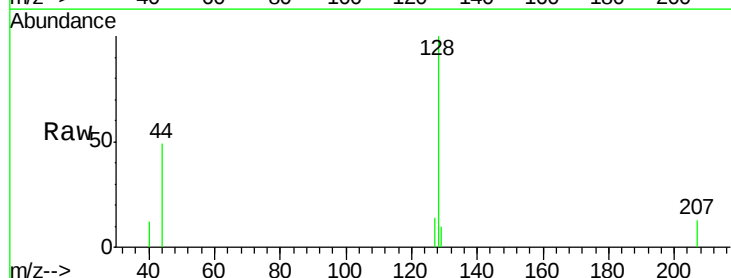


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

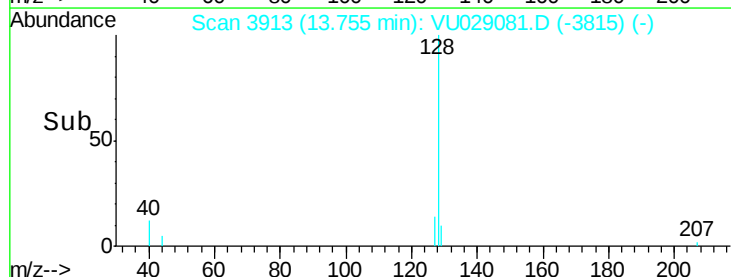
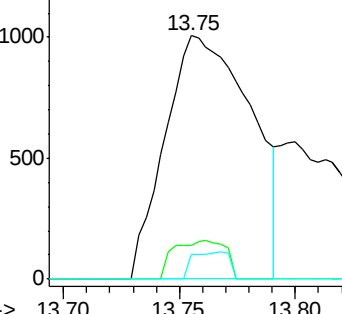


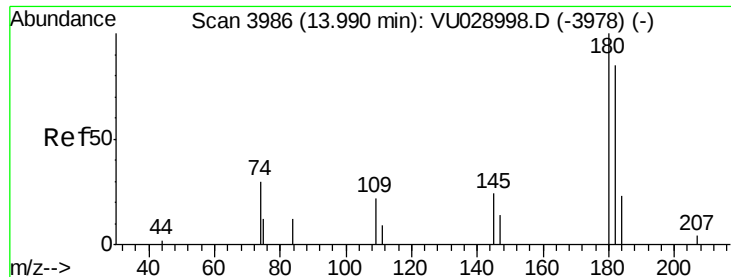
#95
 Naphthalene
 Concen: 0.528 ug/l
 RT: 13.75 min Scan# 3913
 Delta R.T. 0.02 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Tgt Ion:128 Resp: 2591
 Ion Ratio Lower Upper
 128 100
 127 9.5 10.1 15.1#
 129 4.7 8.5 12.7#



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: 1.352 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU029081.D
 Acq: 09 Jan 2019 09:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 869
 Ion Ratio Lower Upper
 180 100
 182 75.4 48.1 144.3
 145 7.4 14.8 44.4#

