

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027413.D
 Acq On : 04 Oct 2018 17:17
 Operator : MD/SY
 Sample : VU1004WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL03

Quant Time: Oct 05 03:16:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	114471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196993	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	98554	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	105230	55.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.10%	
35) Dibromofluoromethane	4.89	113	76138	56.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.80%	
50) Toluene-d8	7.57	98	298864	59.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.30%	
62) 4-Bromofluorobenzene	10.31	95	105540	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	

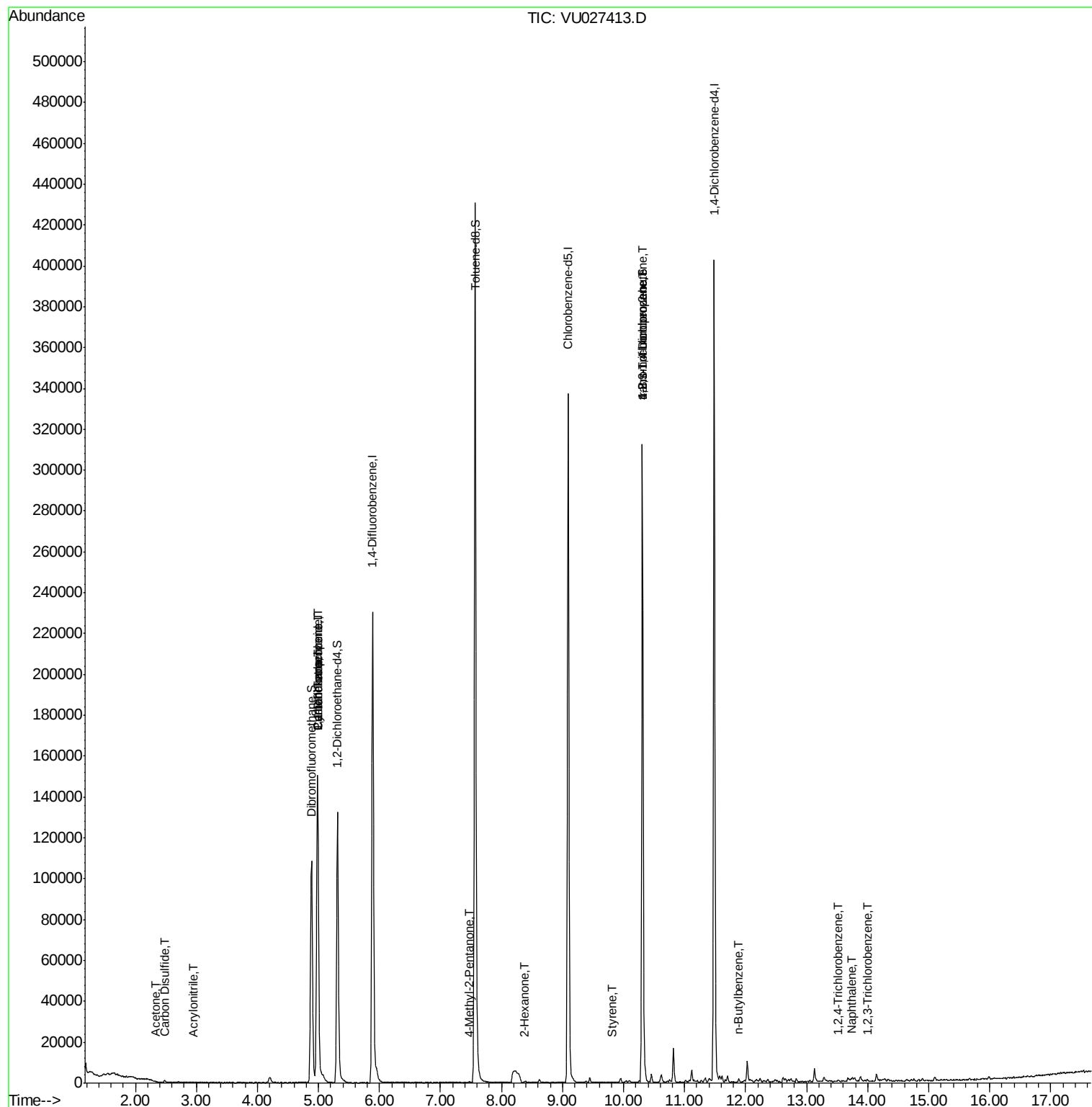
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	2.95	53	235	0.224	ug/l #	48
16) Acetone	2.32	43	538	0.476	ug/l #	44
17) Carbon Disulfide	2.48	76	1203	0.276	ug/l #	75
31) Cyclohexane	4.99	56	2780	0.672	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9896	4.627	ug/l #	50
38) Carbon Tetrachloride	4.99	117	11667	6.039	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	615	0.220	ug/l #	38
59) 2-Hexanone	8.38	43	731	0.338	ug/l	74
70) Styrene	9.81	104	86	2.318	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	54418	21.301	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	54418	55.746	ug/l #	100
89) n-Butylbenzene	11.90	91	692	2.053	ug/l #	69
93) 1,2,4-Trichlorobenzene	13.51	180	507	0.256	ug/l #	82
95) Naphthalene	13.75	128	1807	1.894	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.00	180	473	0.229	ug/l #	63

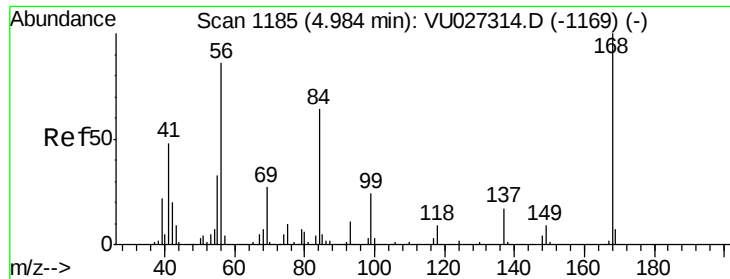
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 03:16:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

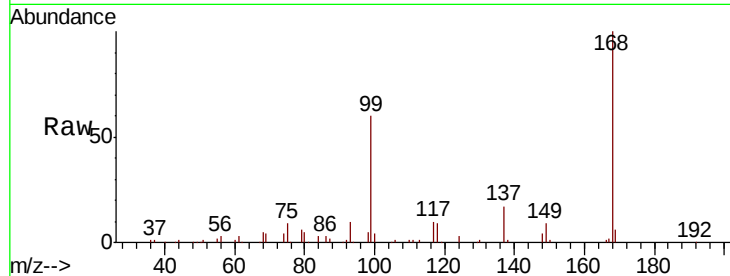
VU1004WBL03

Tgt Ion:168 Resp: 114471

Ion Ratio Lower Upper

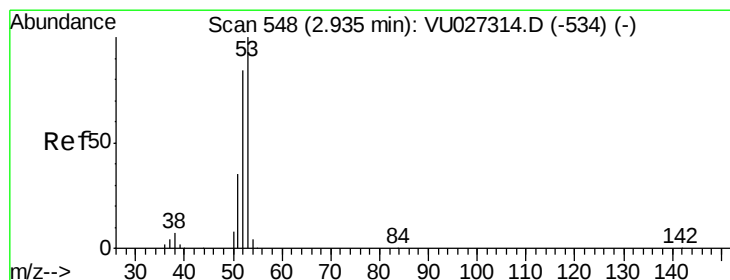
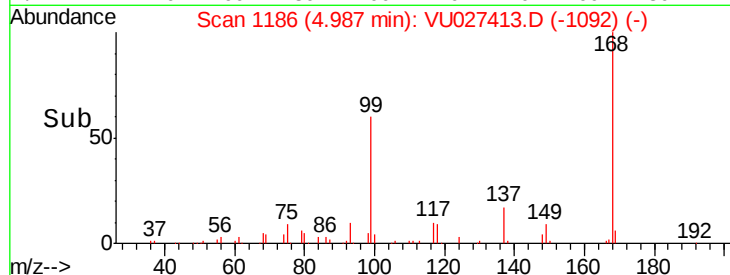
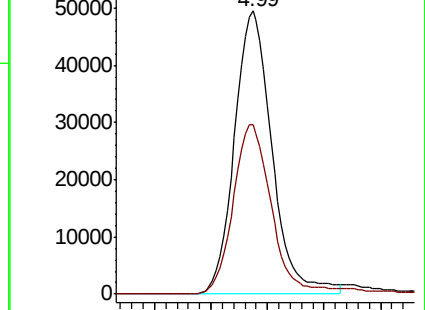
168 100

99 59.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#15

Acrylonitrile

Concen: 0.224 ug/l

RT: 2.95 min Scan# 551

Delta R.T. 0.01 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

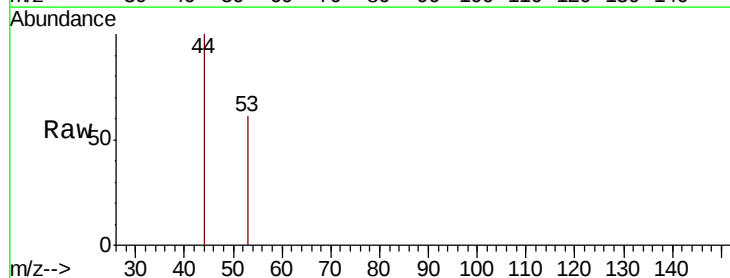
Tgt Ion: 53 Resp: 235

Ion Ratio Lower Upper

53 100

52 38.7 66.5 99.7#

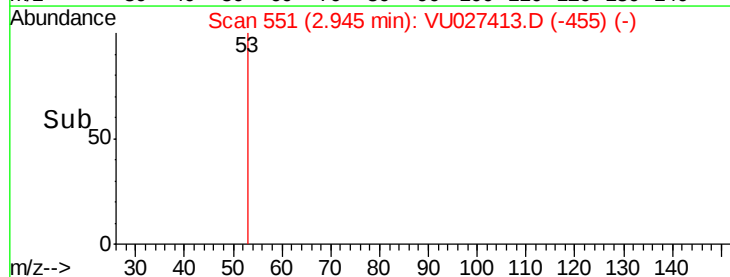
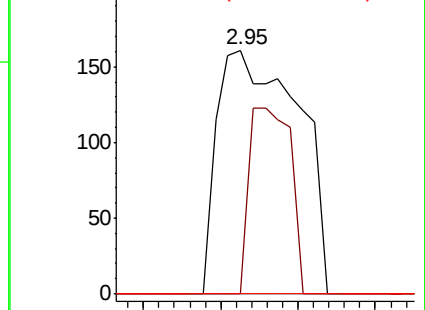
51 0.0 27.6 41.4#

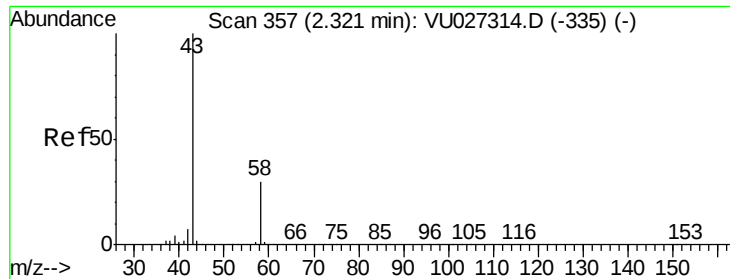


Abundance Ion 53.00 (52.70 to 53.70): VU027314.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU027314.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU027314.D (-534) (-)





#16

Acetone

Concen: 0.476 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

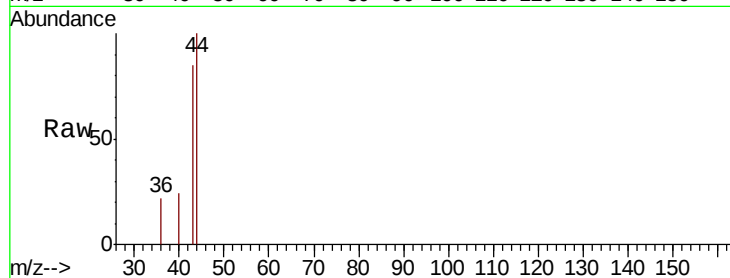
VU1004WBL03

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

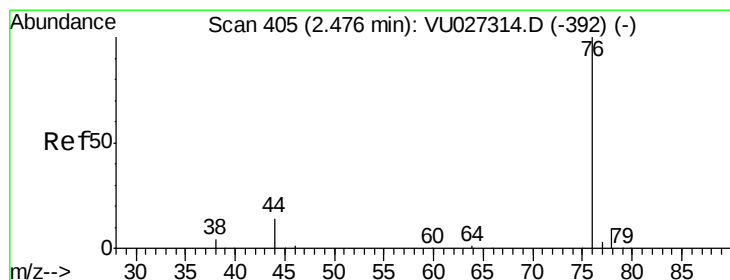
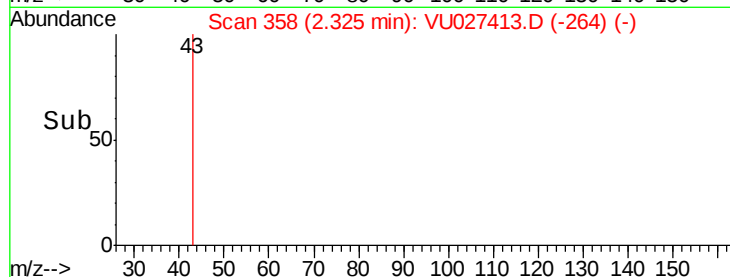
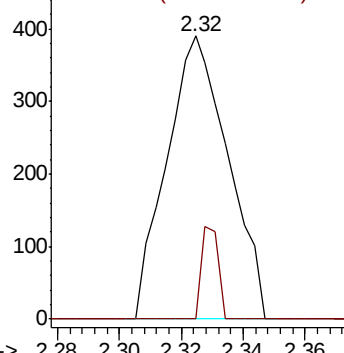
43 100

58 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027413.D

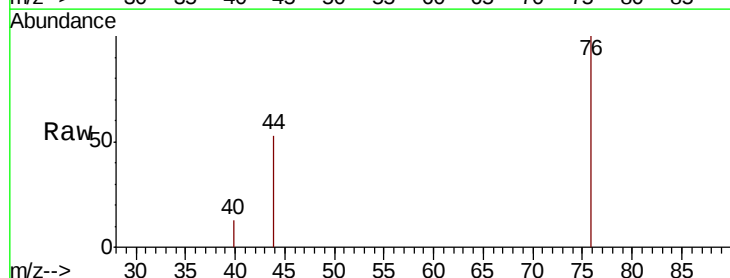
Acq: 04 Oct 2018 17:17

Tgt Ion: 76 Resp: 1203

Ion Ratio Lower Upper

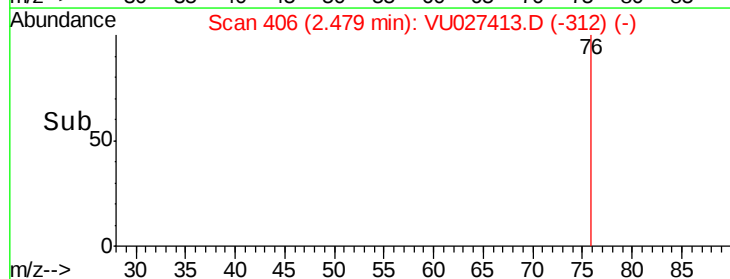
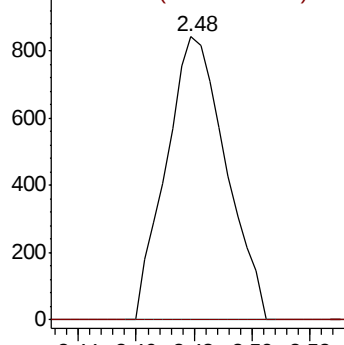
76 100

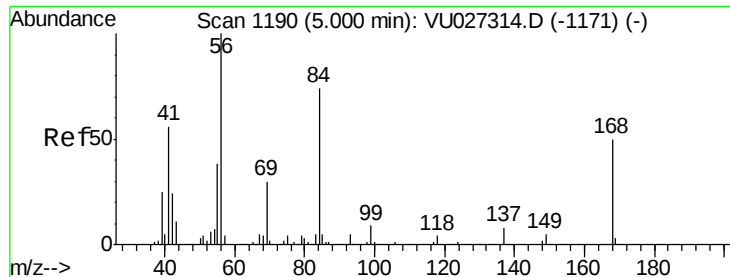
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

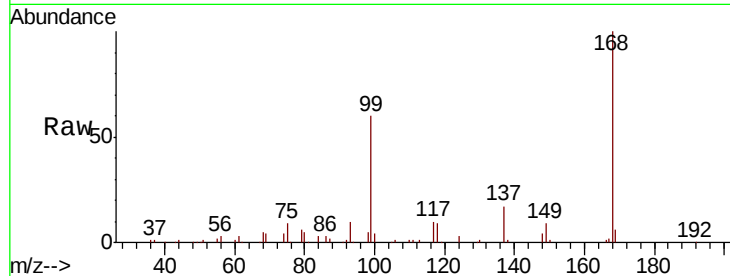




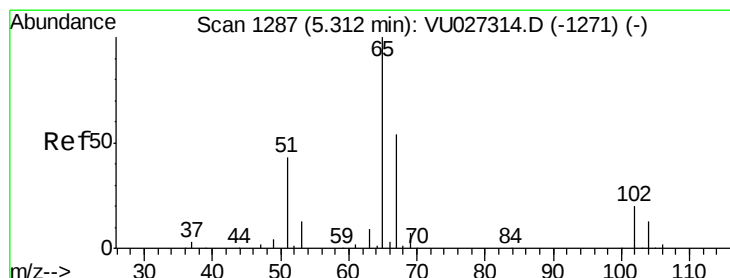
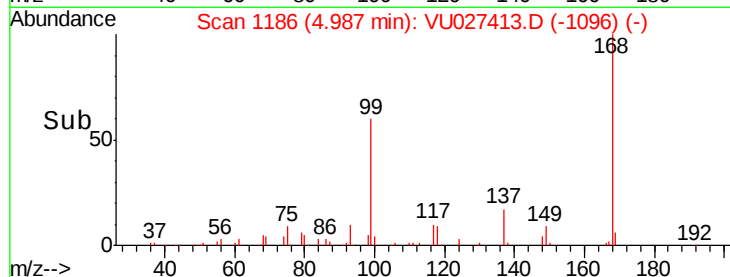
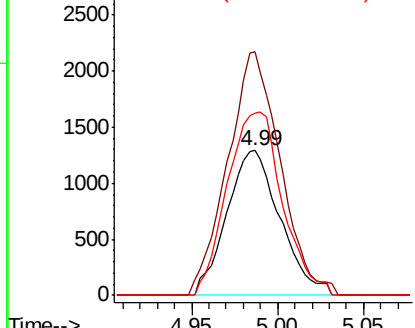
#31
Cyclohexane
Concen: 0.672 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL03

Tgt Ion: 56 Resp: 2780
Ion Ratio Lower Upper
56 100
69 168.2 24.1 36.1#
84 126.2 59.1 88.7#

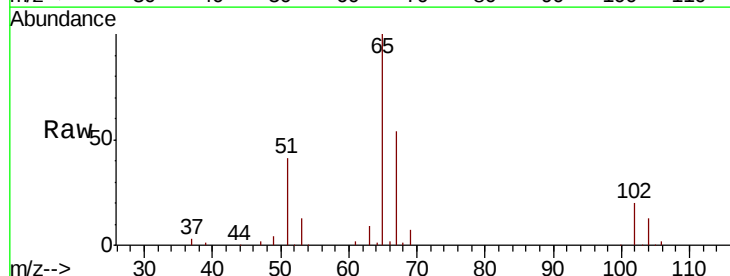


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

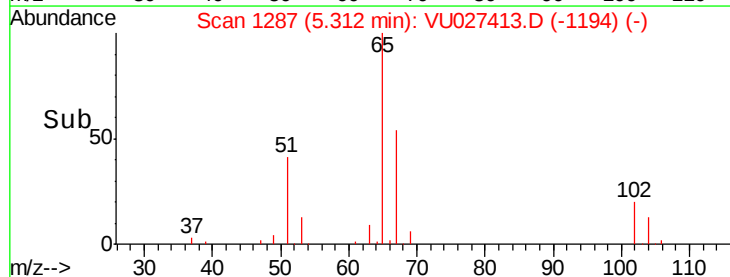
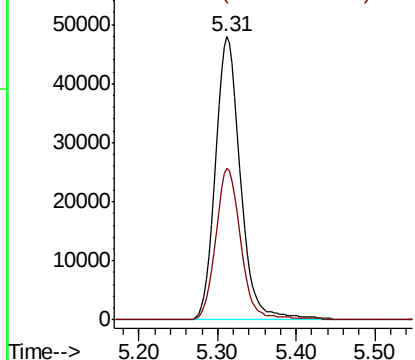


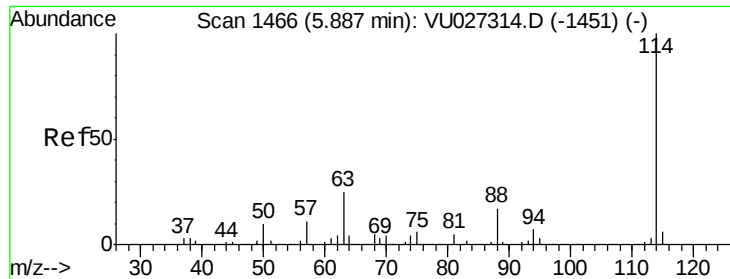
#33
1,2-Dichloroethane-d4
Concen: 55.052 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Tgt Ion: 65 Resp: 105230
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.8



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

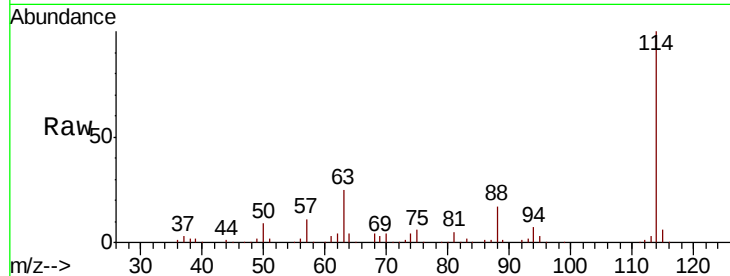




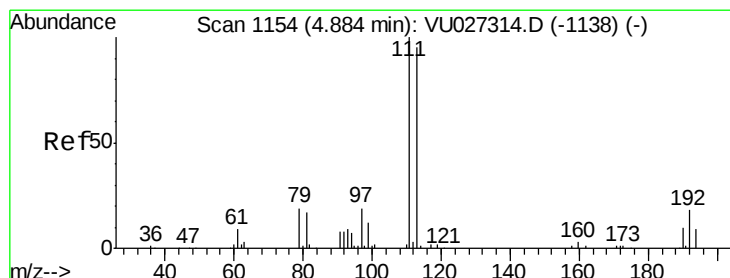
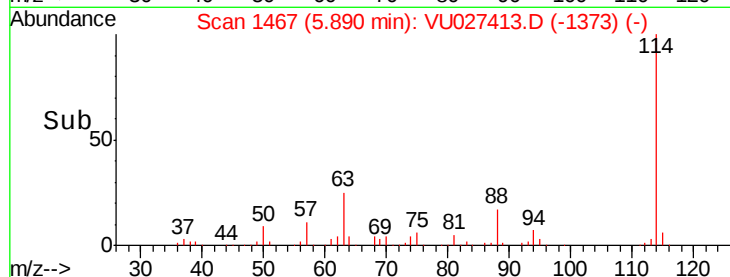
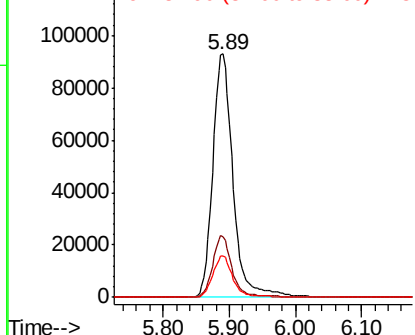
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL03

Tgt Ion:114 Resp: 196993
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 17.2 0.0 33.8

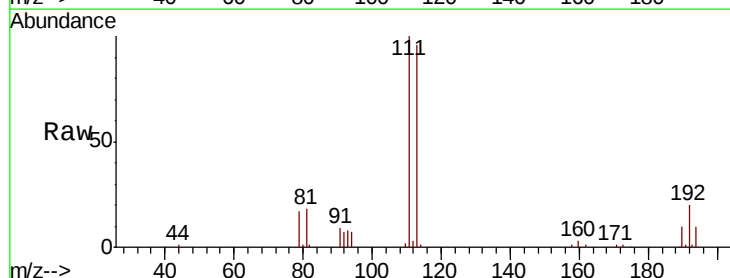


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

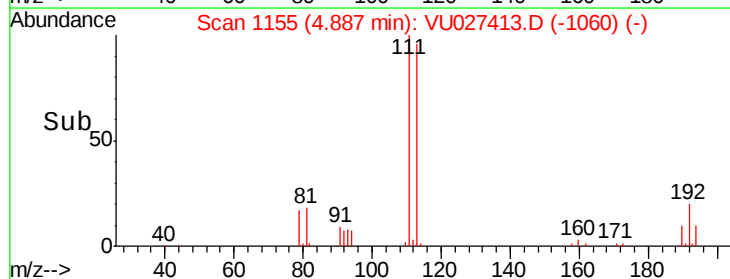
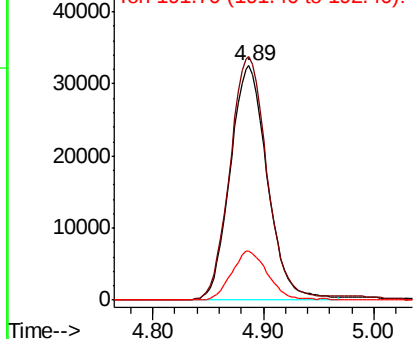


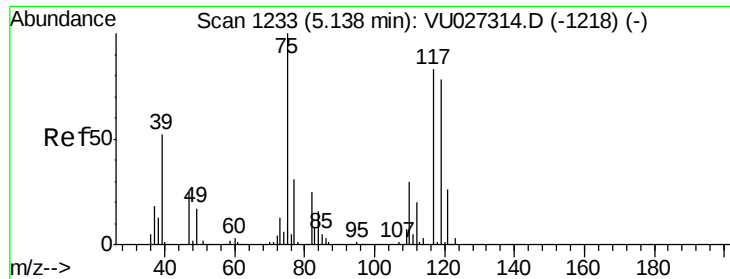
#35
 Dibromofluoromethane
 Concen: 56.396 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Tgt Ion:113 Resp: 76138
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.1 124.7
 192 20.2 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: 4.627 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBL03

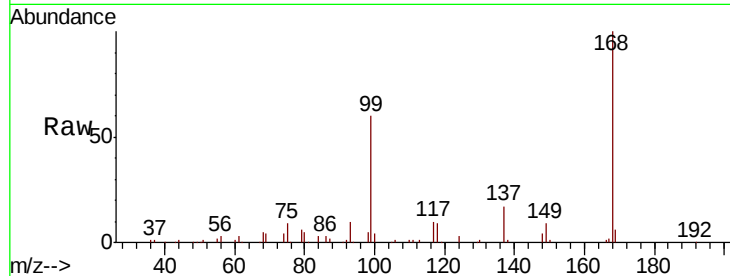
Tgt Ion: 75 Resp: 9896

Ion Ratio Lower Upper

75 100

110 7.7 15.5 46.5#

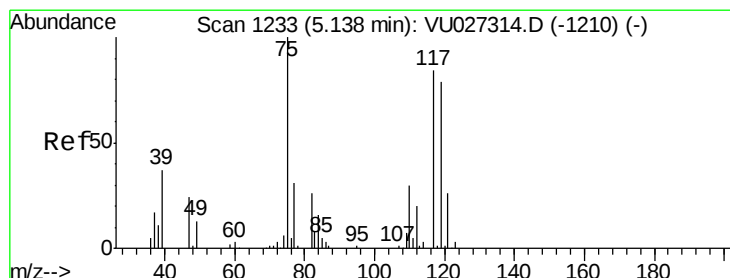
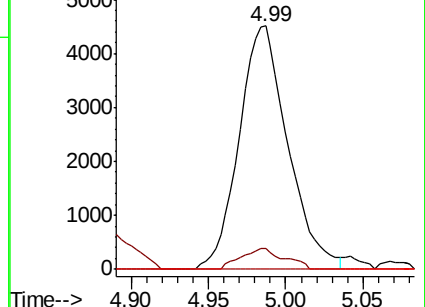
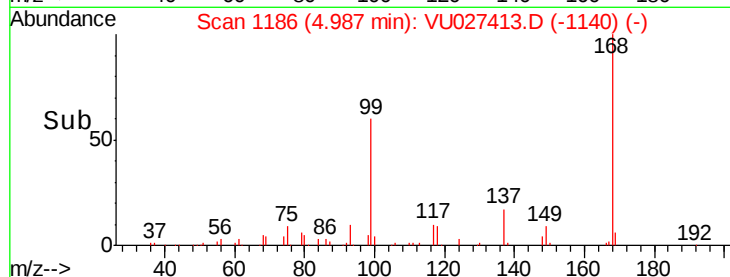
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VU027413.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027413.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027413.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 6.039 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

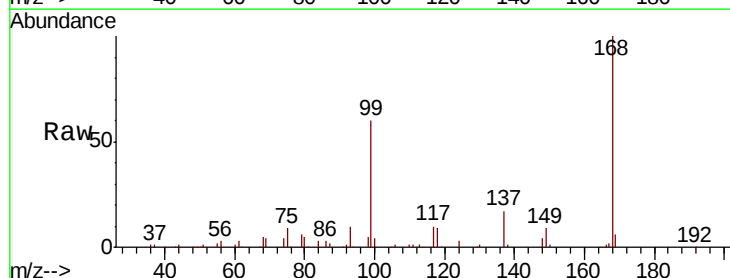
Tgt Ion: 117 Resp: 11667

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

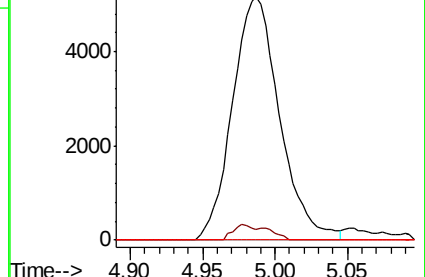
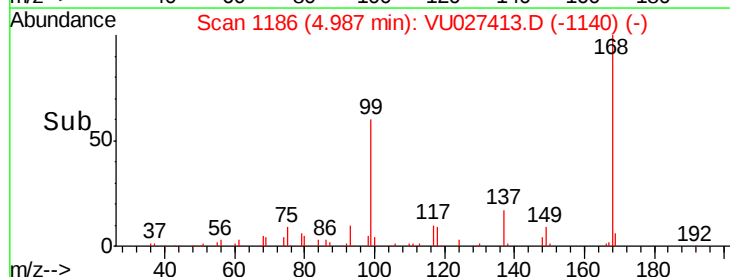
121 0.0 24.6 37.0#

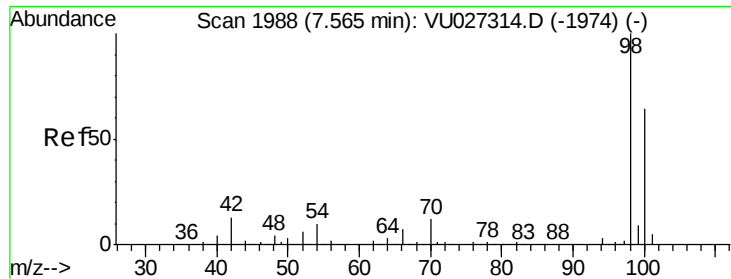


Abundance Ion 116.80 (116.50 to 117.50): VU027413.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027413.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027413.D (-1140) (-)

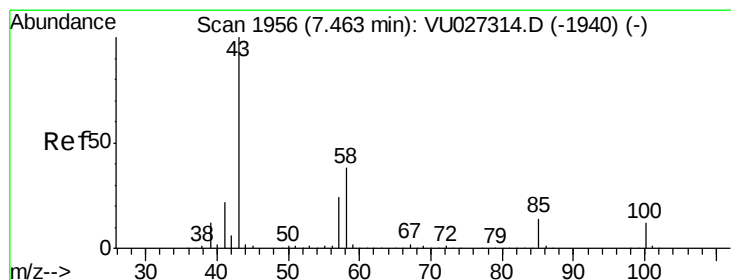
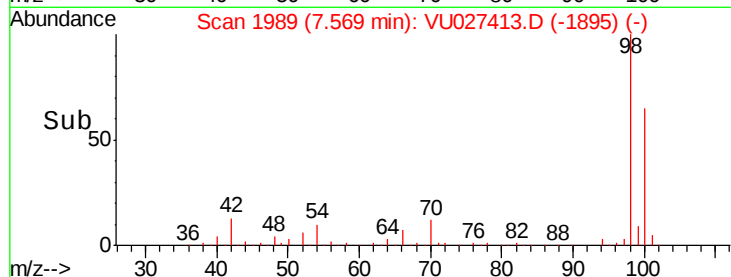
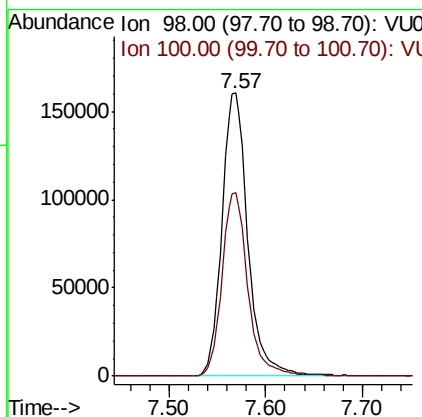
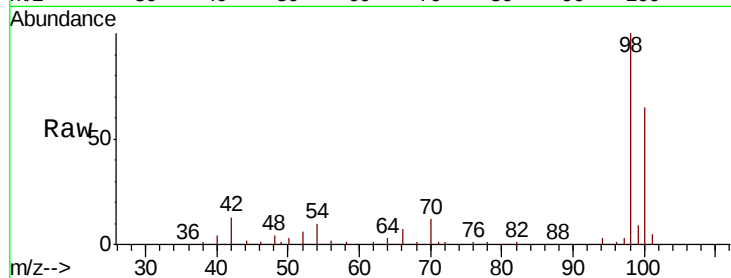




#50
Toluene-d8
Concen: 59.148 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

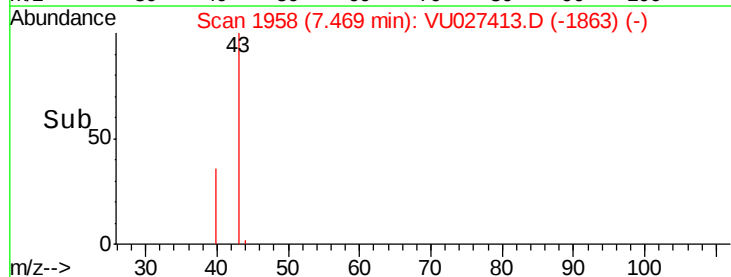
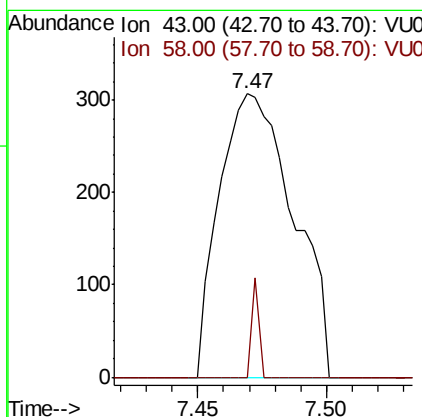
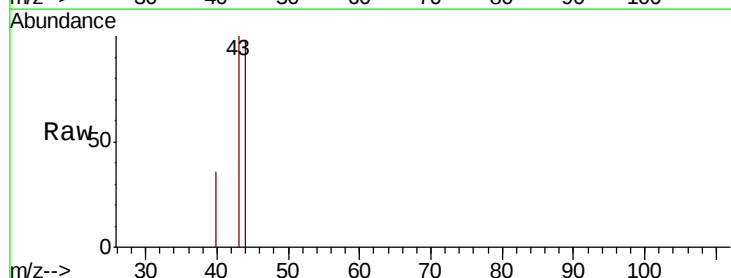
Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL03

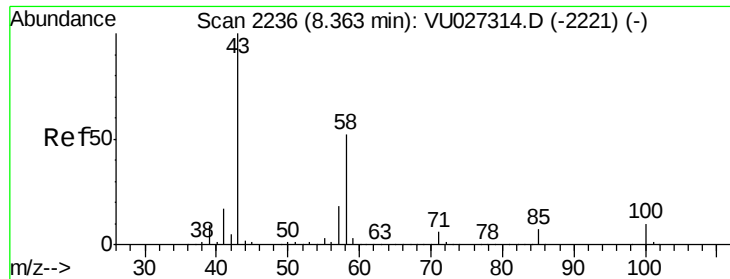
Tgt Ion: 98 Resp: 298864
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#

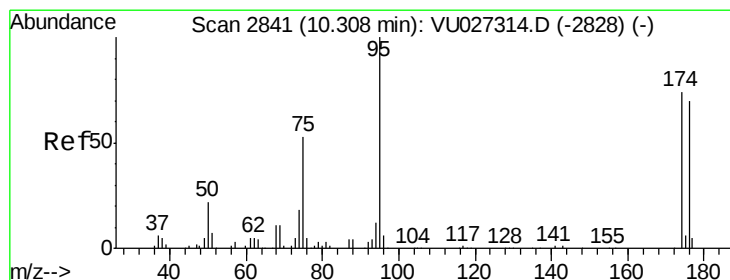
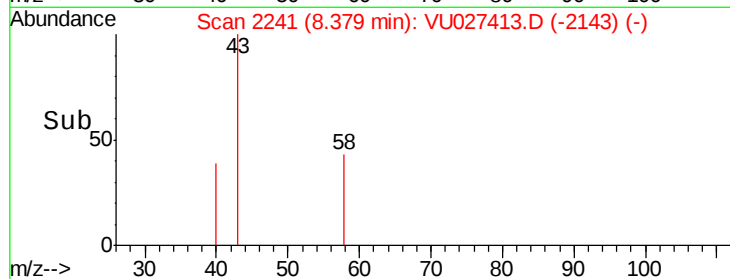
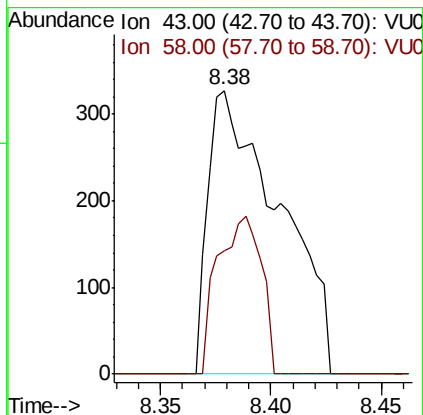
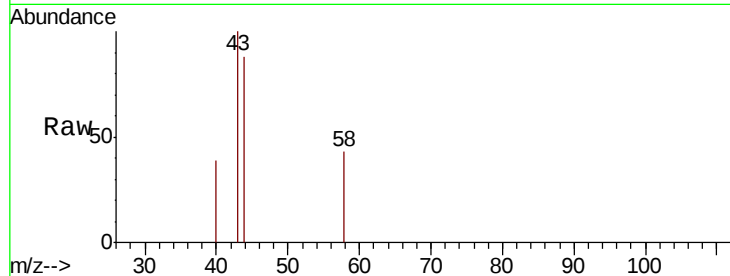




#59
 2-Hexanone
 Concen: 0.338 ug/l
 RT: 8.38 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

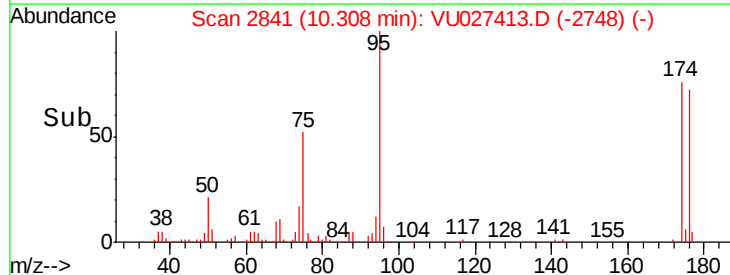
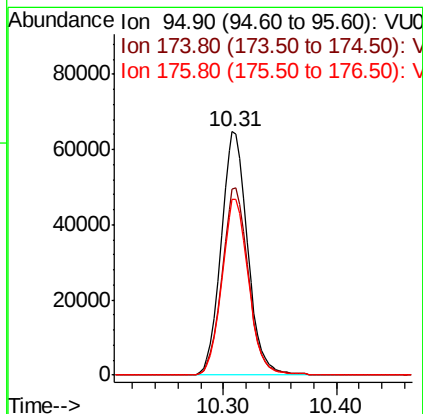
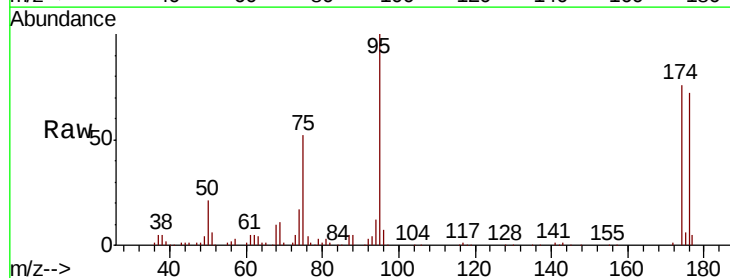
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL03

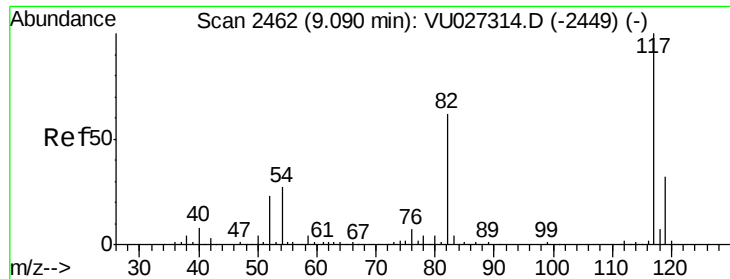
Tgt Ion: 43 Resp: 731
 Ion Ratio Lower Upper
 43 100
 58 34.1 26.1 78.3



#62
 4-Bromofluorobenzene
 Concen: 56.203 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Tgt Ion: 95 Resp: 105540
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 147.8
 176 72.8 0.0 140.8

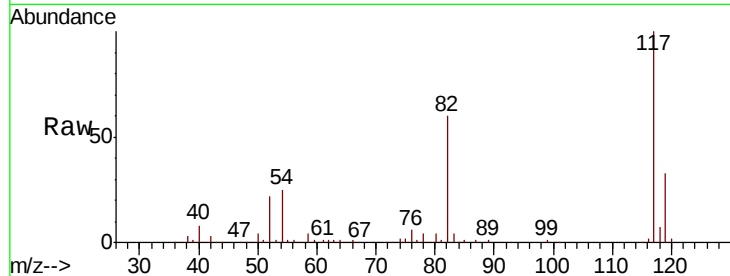




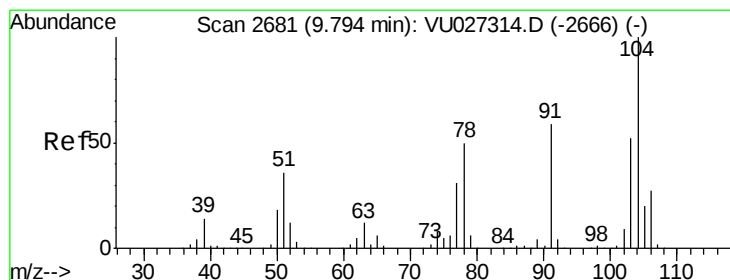
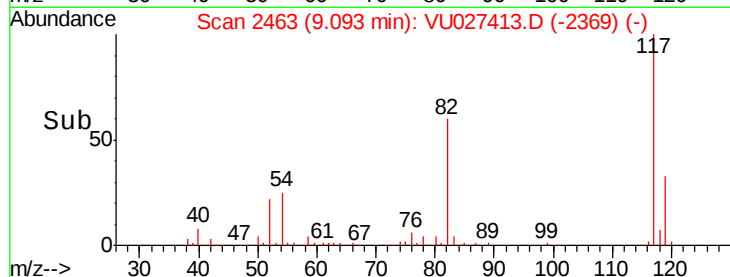
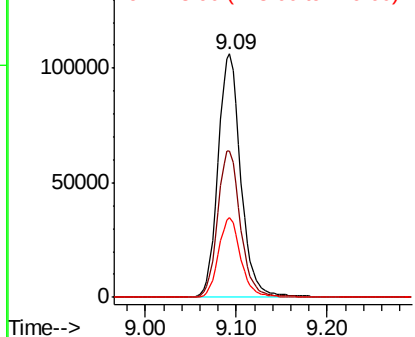
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL03

Tgt Ion:117 Resp: 184612
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 32.7 25.7 38.5

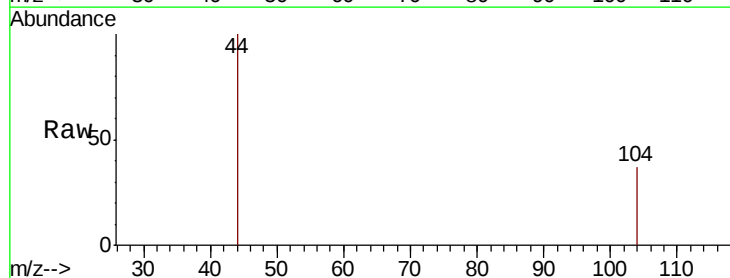


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

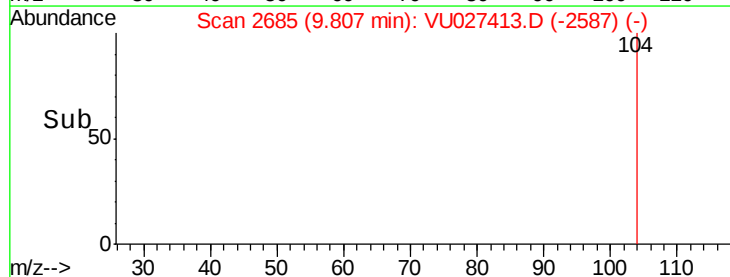
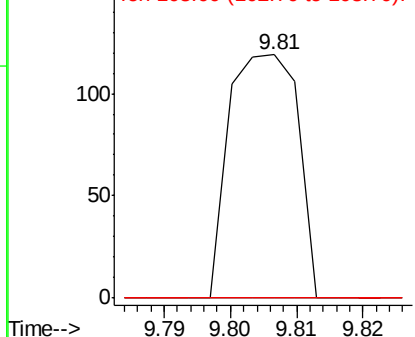


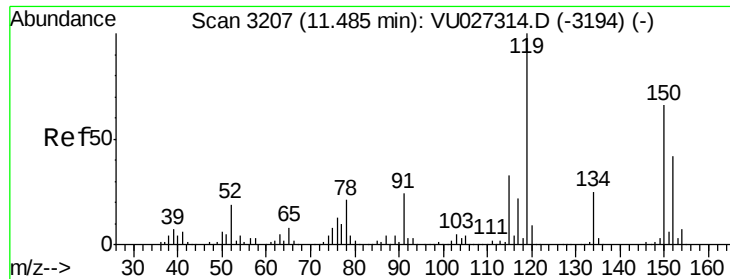
#70
Styrene
Concen: 2.318 ug/l
RT: 9.81 min Scan# 2685
Delta R.T. 0.01 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Tgt Ion:104 Resp: 86
Ion Ratio Lower Upper
104 100
78 0.0 42.9 64.3#
103 0.0 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027413.D

Acq: 04 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBL03

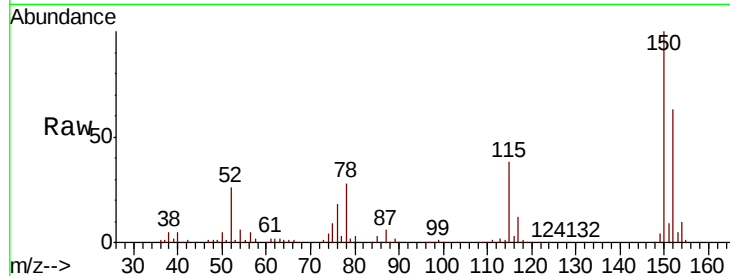
Tgt Ion: 152 Resp: 98554

Ion Ratio Lower Upper

152 100

115 60.6 43.4 130.2

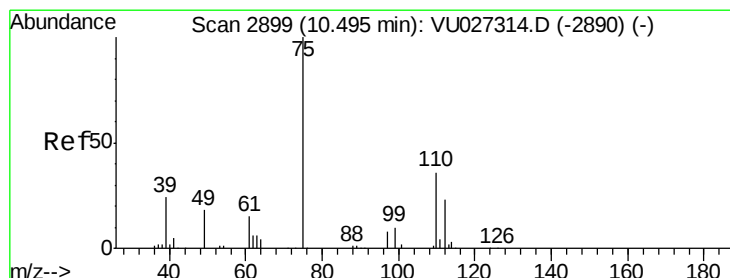
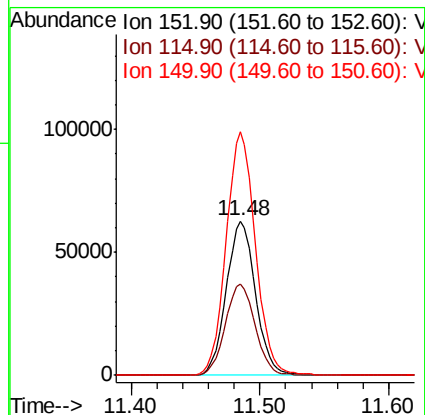
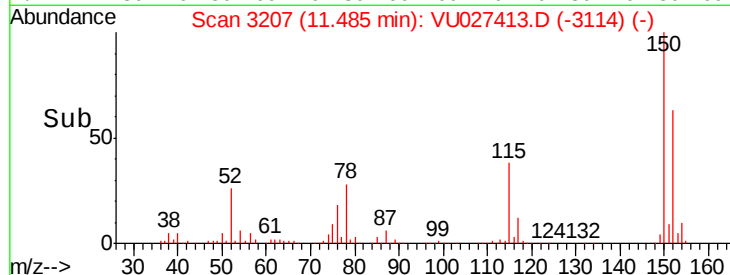
150 158.2 0.0 349.2



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: 21.301 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027413.D

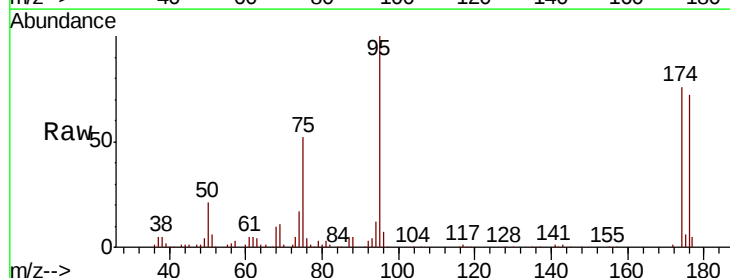
Acq: 04 Oct 2018 17:17

Tgt Ion: 75 Resp: 54418

Ion Ratio Lower Upper

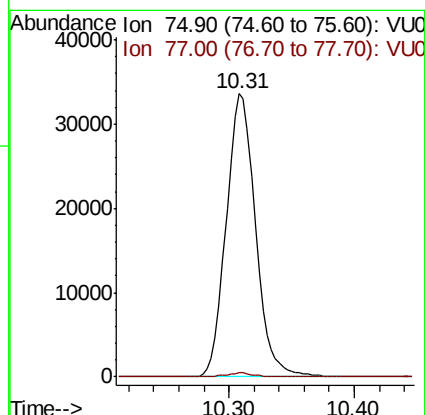
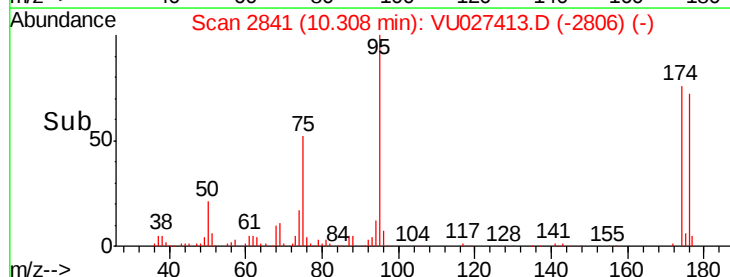
75 100

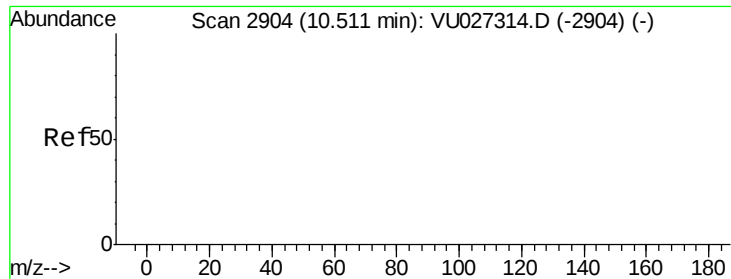
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

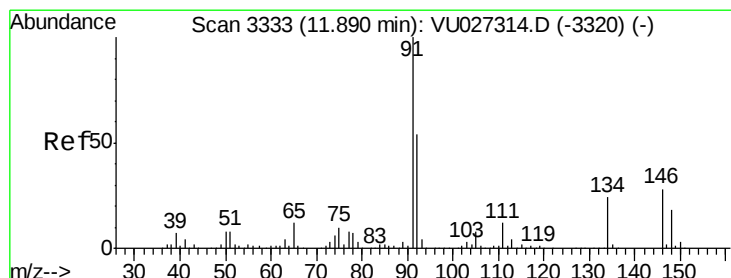
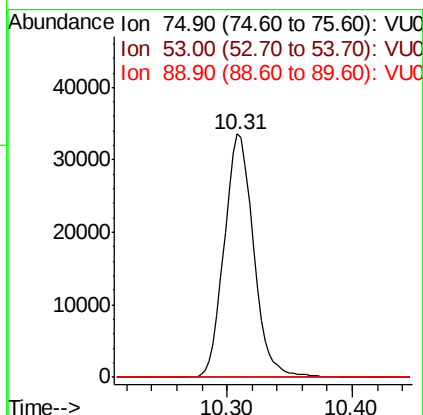
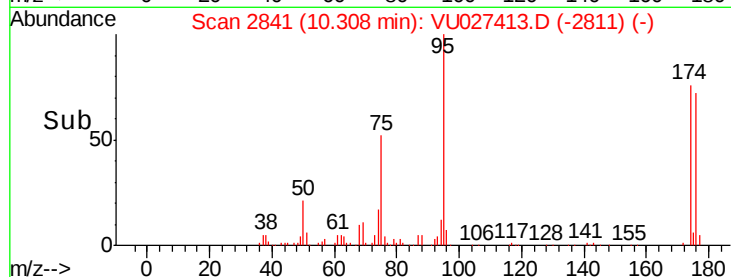
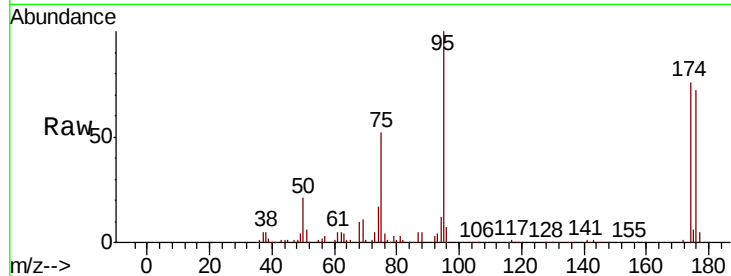




#81
trans-1,4-Dichloro-2-butene
Concen: 55.746 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

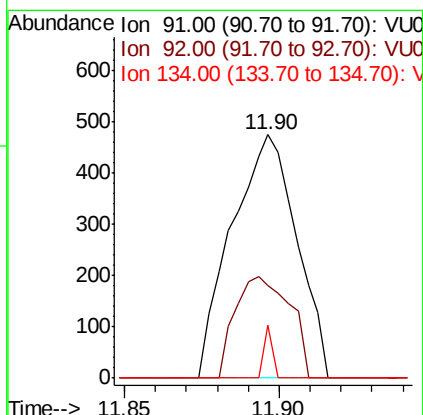
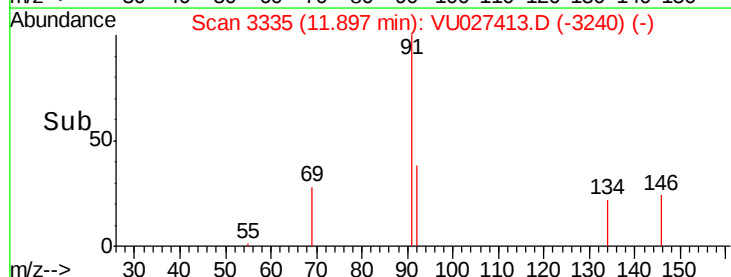
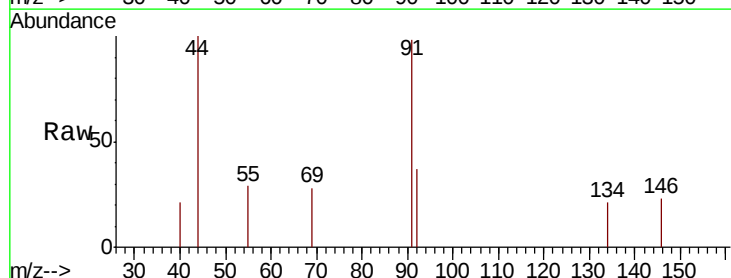
Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL03

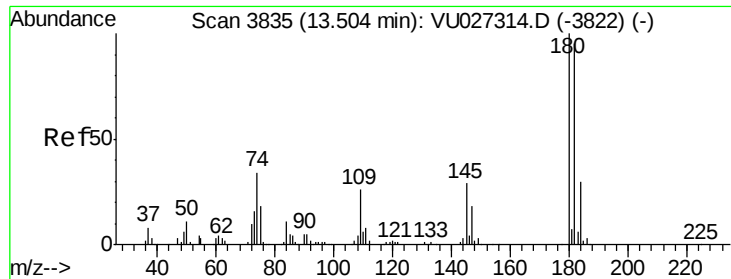
Tgt Ion: 75 Resp: 54418
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.053 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU027413.D
Acq: 04 Oct 2018 17:17

Tgt Ion: 91 Resp: 692
Ion Ratio Lower Upper
91 100
92 35.1 27.0 81.0
134 2.9 11.7 35.1#

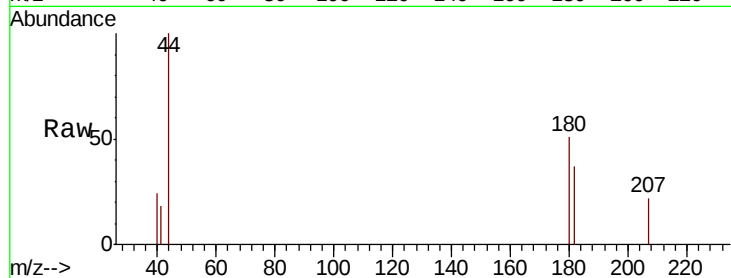




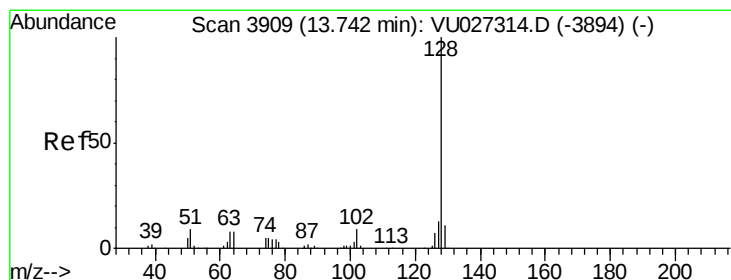
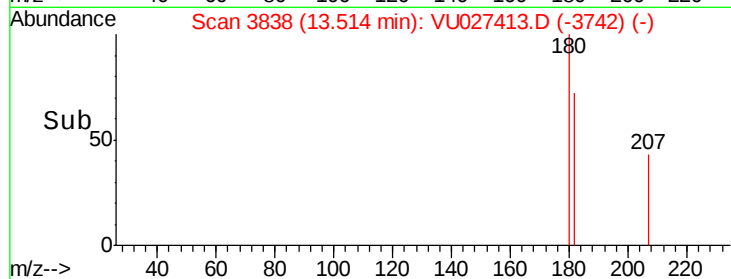
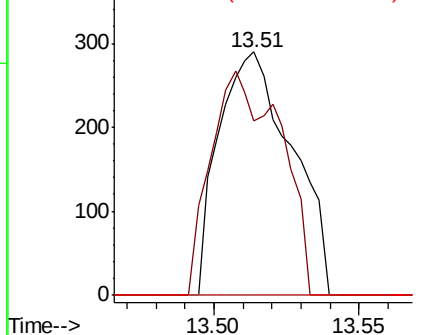
#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL03

Tgt Ion:180 Resp: 507
 Ion Ratio Lower Upper
 180 100
 182 88.0 47.4 142.3
 145 0.0 14.6 44.0#

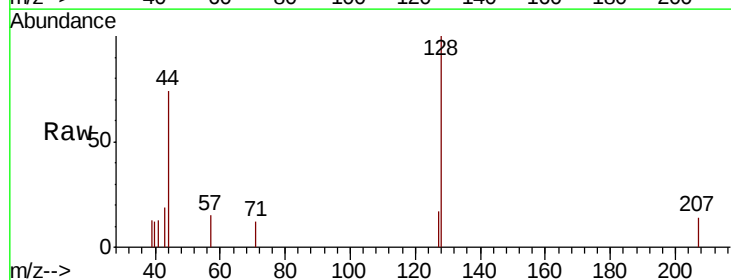


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

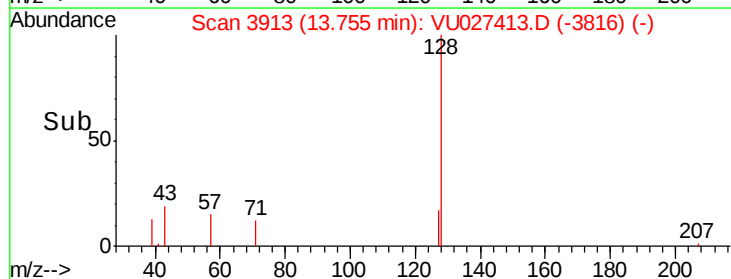
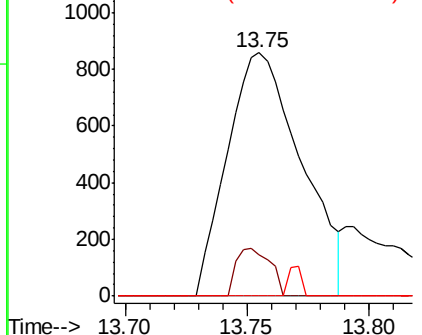


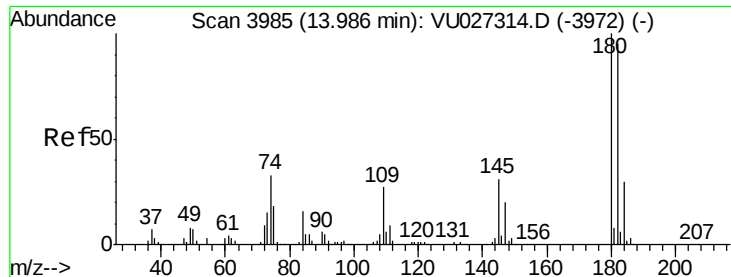
#95
 Naphthalene
 Concen: 1.894 ug/l
 RT: 13.75 min Scan# 3913
 Delta R.T. 0.01 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Tgt Ion:128 Resp: 1807
 Ion Ratio Lower Upper
 128 100
 127 8.9 10.5 15.7#
 129 2.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU027413.D
 Acq: 04 Oct 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL03

Tgt Ion:180 Resp: 473
 Ion Ratio Lower Upper
 180 100
 182 123.7 47.4 142.2
 145 0.0 15.9 47.7#

