

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027920.D
 Acq On : 02 Nov 2018 12:53
 Operator : MD/SY
 Sample : J5755-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2A

Quant Time: Nov 03 04:21:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	338106	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	120433	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	148799	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	4.89	113	108133	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	7.57	98	425651	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	10.31	95	140017	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

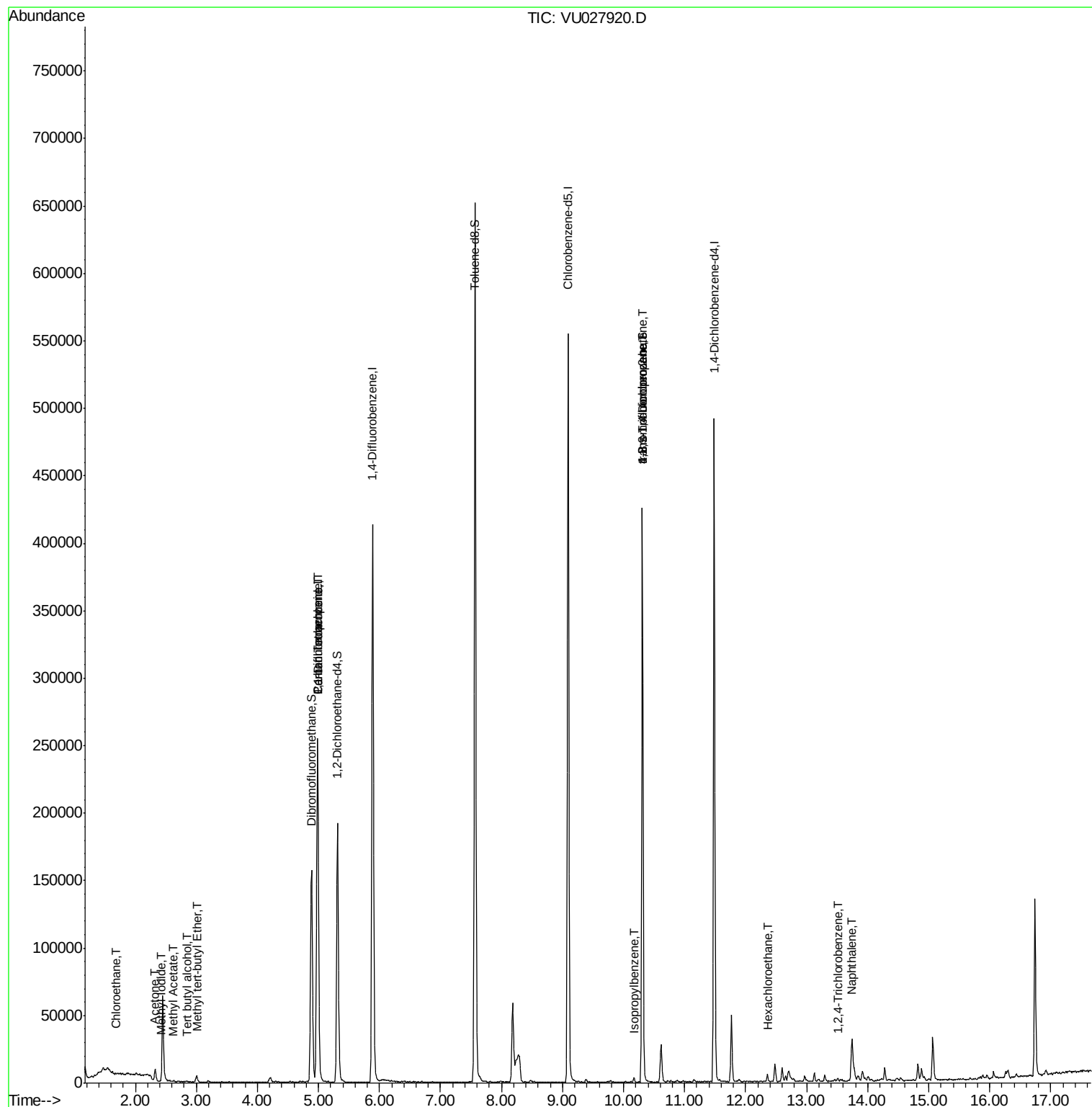
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	548	0.324	ug/l #	42
10) Methyl Iodide	2.41	142	69	7.791	ug/l #	40
11) Tert butyl alcohol	2.85	59	483	0.637	ug/l #	73
13) Acrolein	2.20	56	76	Below Cal	#	1
16) Acetone	2.32	43	8275	4.657	ug/l	94
18) Methyl Acetate	2.62	43	998	0.204	ug/l #	69
19) Methyl tert-butyl Ether	3.00	73	4648	0.571	ug/l	99
31) Cyclohexane	4.98	56	4708	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16436	4.641	ug/l #	50
38) Carbon Tetrachloride	4.98	117	18901	6.023	ug/l #	16
73) Isopropylbenzene	10.17	105	2661	0.285	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	72268	21.938	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	72268	54.750	ug/l #	100
90) Hexachloroethane	12.36	117	3094	2.212	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.51	180	292	0.788	ug/l #	29
95) Naphthalene	13.75	128	19691	1.818	ug/l	96

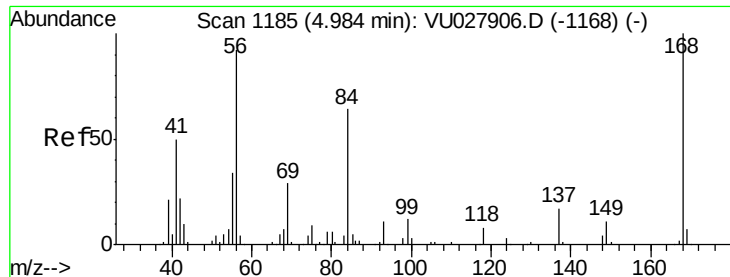
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

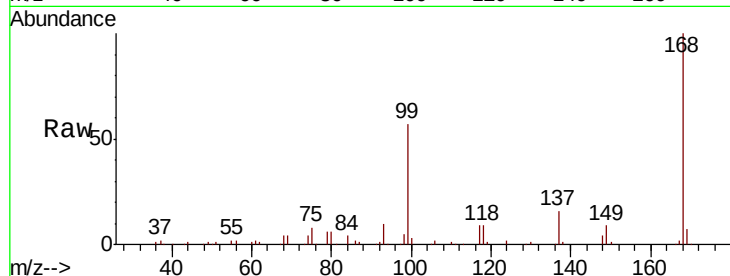
TP-2A

Tot Ion:168 Resp: 192641

Ion Ratio Lower Upper

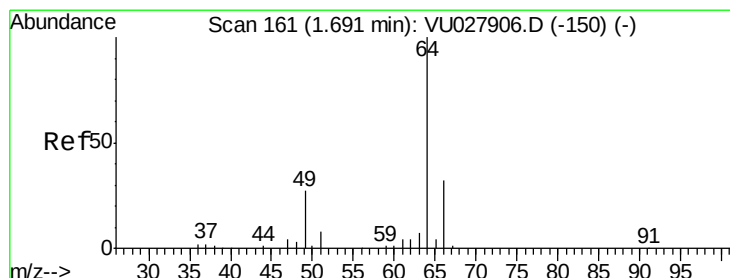
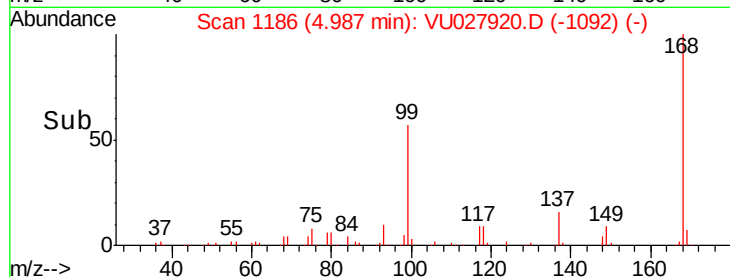
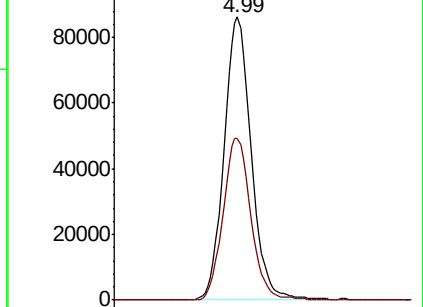
168 100

99 57.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027920.D (-1092) (-)



#6

Chloroethane

Concen: 0.324 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027920.D

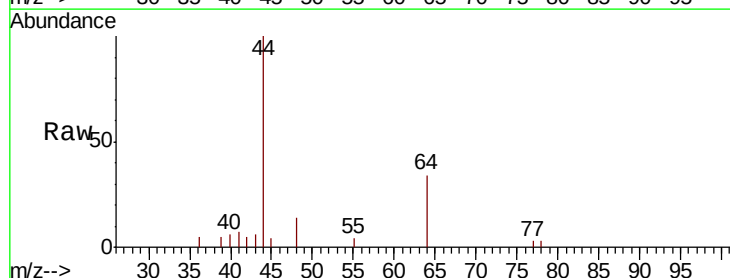
Acq: 02 Nov 2018 12:53

Tgt Ion: 64 Resp: 548

Ion Ratio Lower Upper

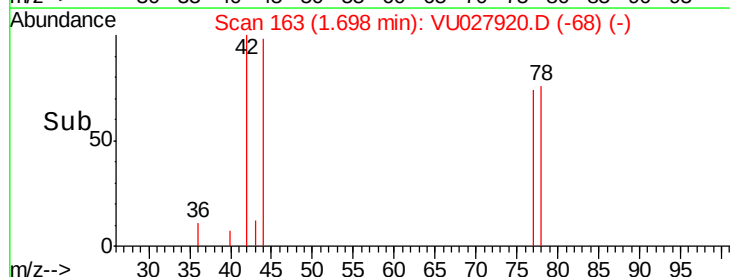
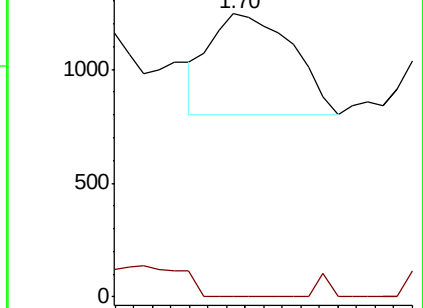
64 100

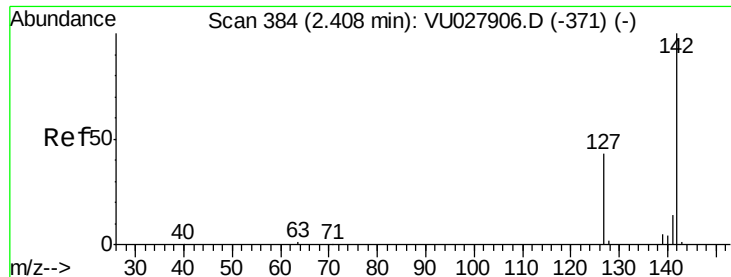
66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027920.D (-68) (-)

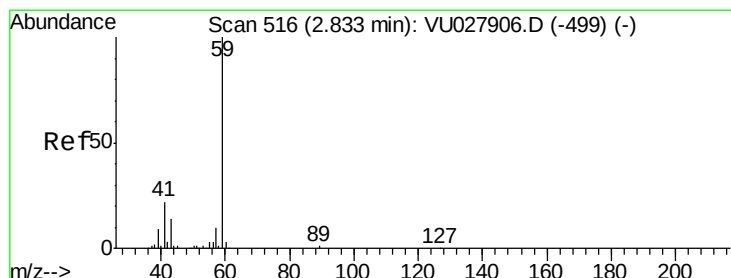
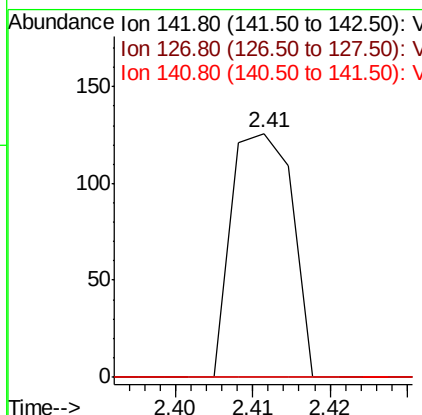
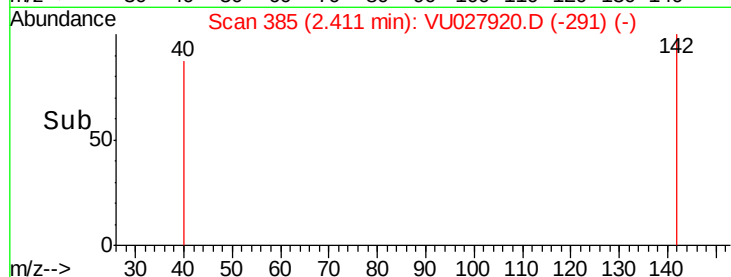
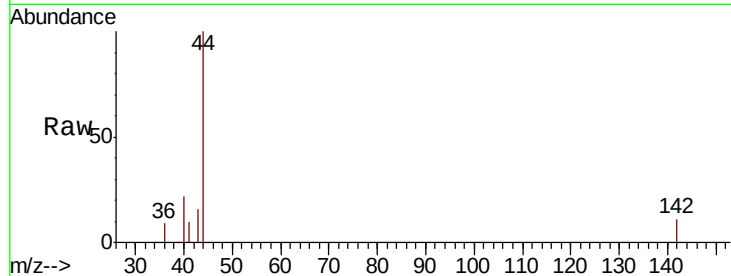




#10
Methvl Iodide
Concen: 7.791 ug/l
RT: 2.41 min Scan# 385
Delta R.T. 0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

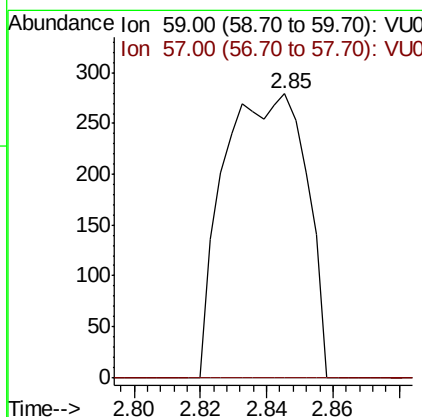
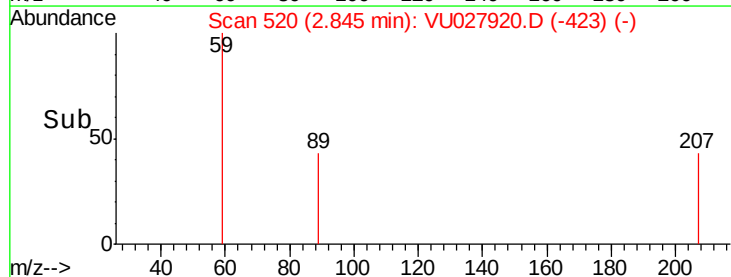
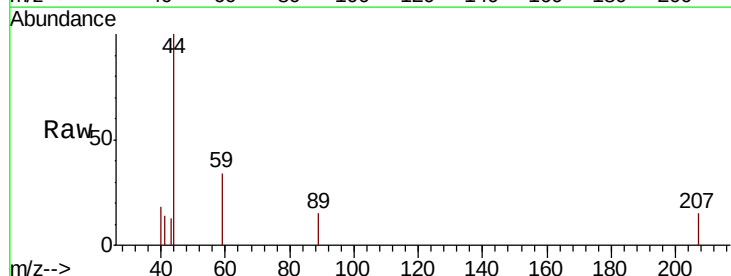
Instrument :
MSVOA_U
ClientSampleId :
TP-2A

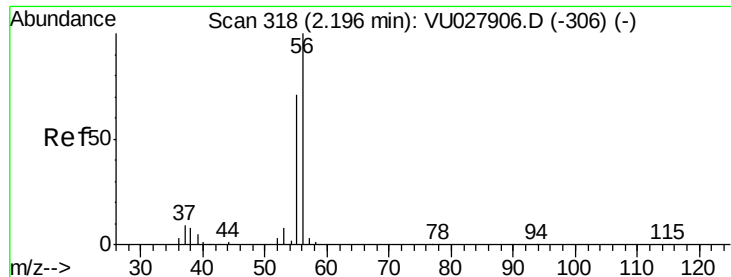
Tot Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 0.637 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.01 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampled :

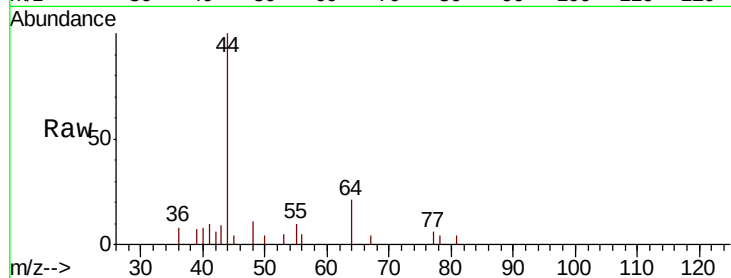
TP-2A

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

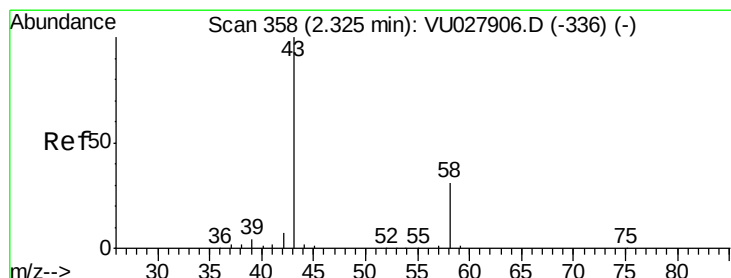
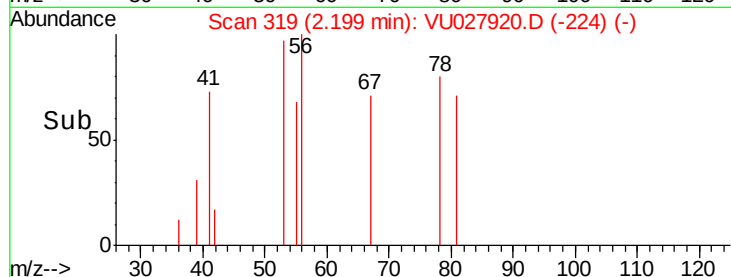
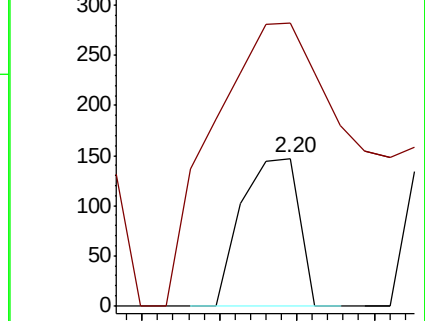
56 100

55 465.8 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 4.657 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027920.D

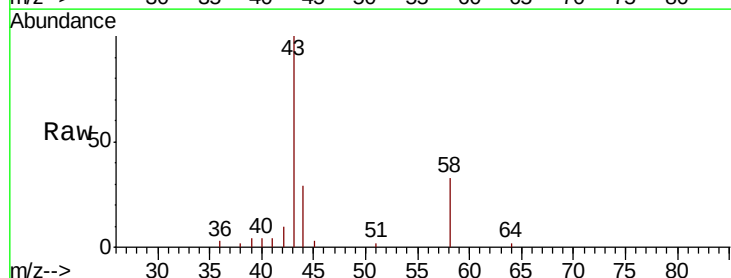
Acq: 02 Nov 2018 12:53

Tgt Ion: 43 Resp: 8275

Ion Ratio Lower Upper

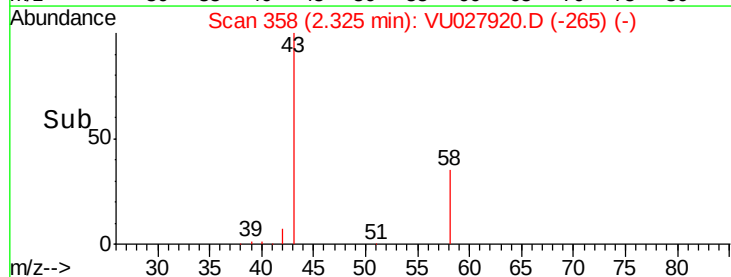
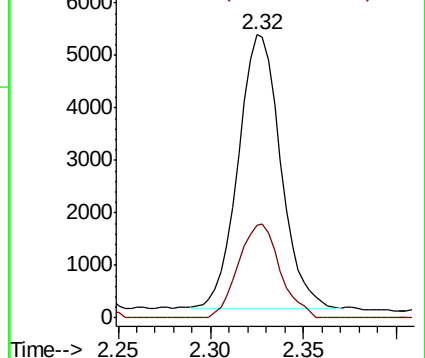
43 100

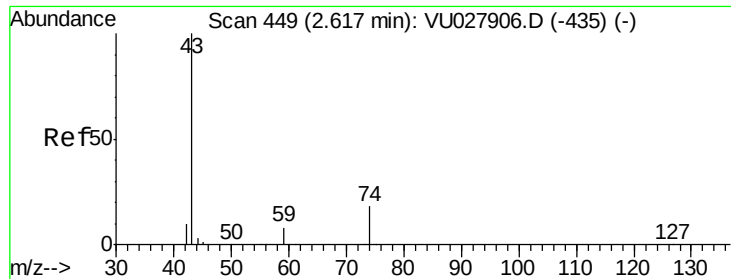
58 34.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

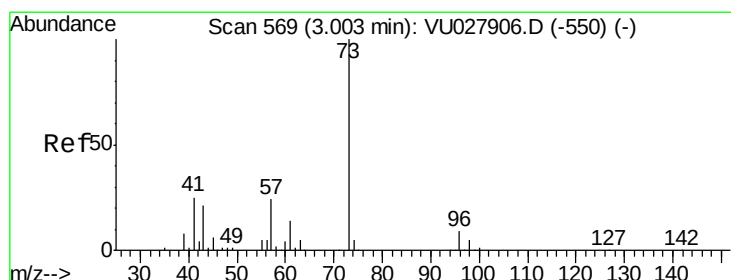
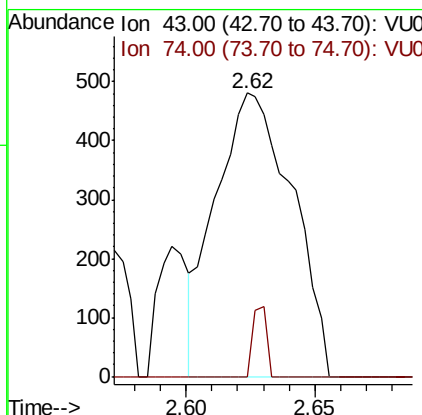
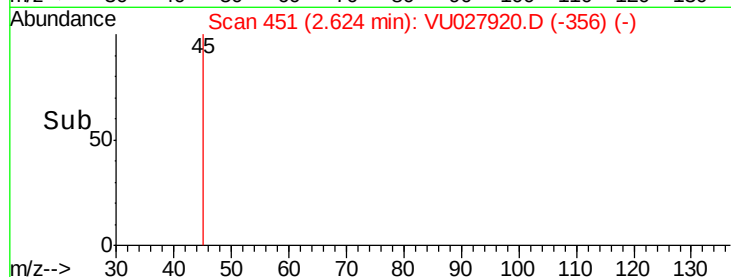
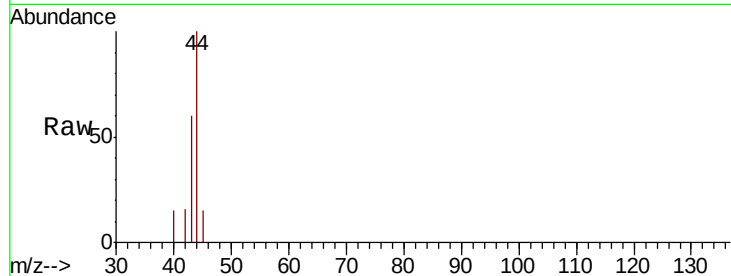




#18
Methvl Acetate
Concen: 0.204 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

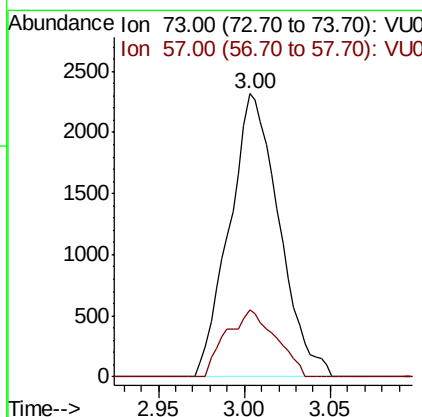
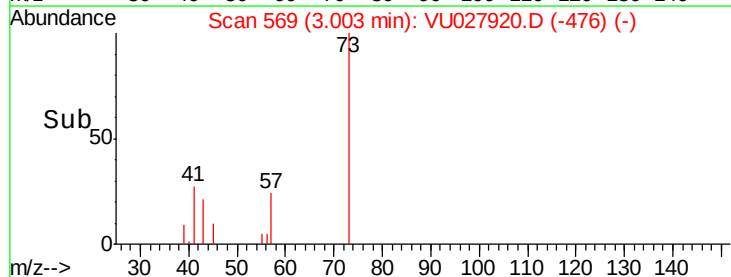
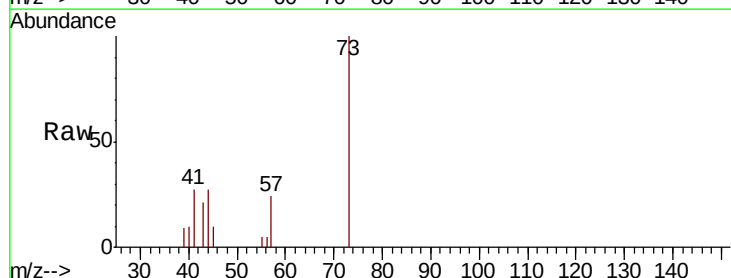
Instrument :
MSVOA_U
ClientSampleId :
TP-2A

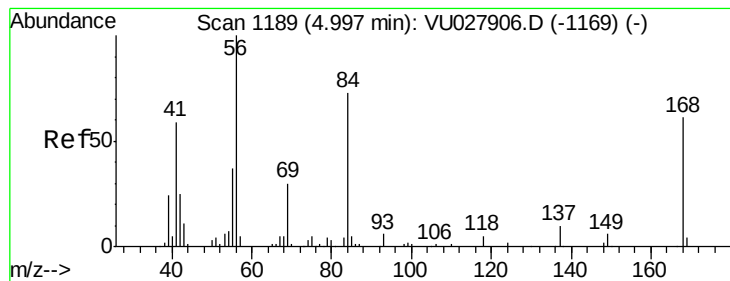
Tot Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
74 4.5 14.9 22.3#



#19
Methyl tert-butyl Ether
Concen: 0.571 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Tgt Ion: 73 Resp: 4648
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

TP-2A

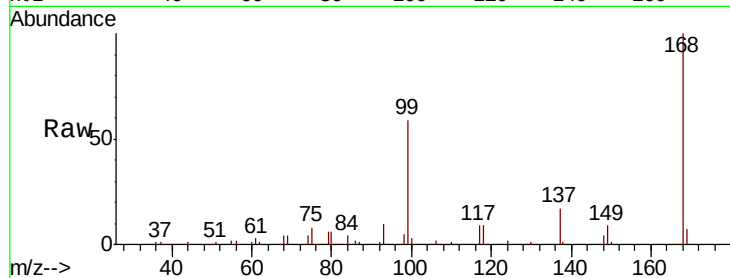
Tot Ion: 56 Resp: 4708

Ion Ratio Lower Upper

56 100

69 176.8 23.7 35.5#

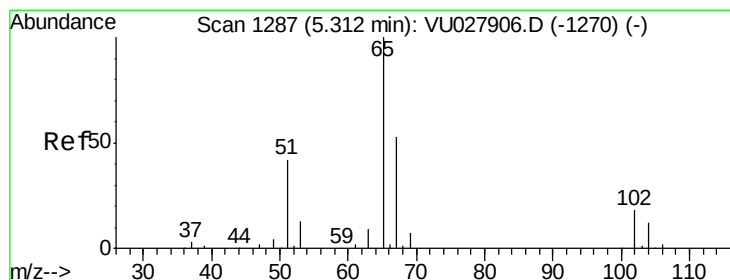
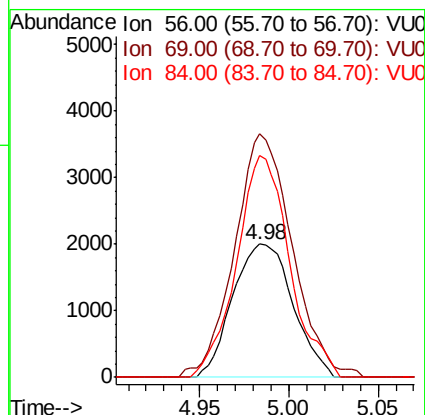
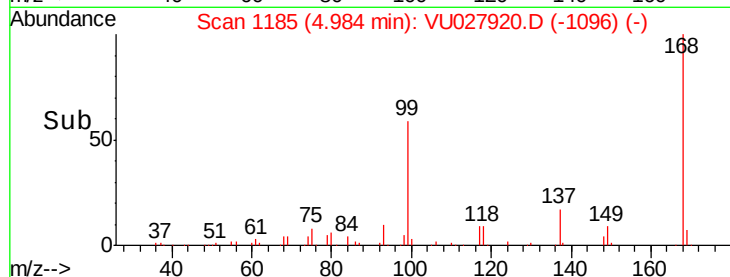
84 167.2 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027920.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU027920.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU027920.D (-1096) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.953 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027920.D

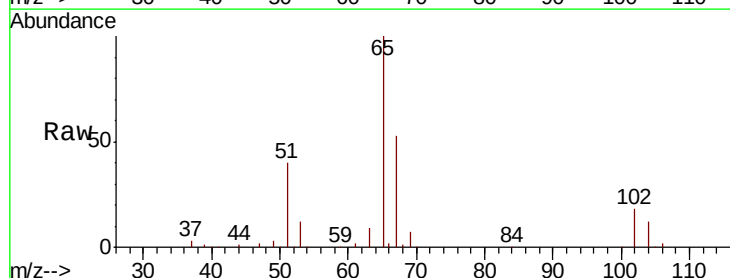
Acq: 02 Nov 2018 12:53

Tgt Ion: 65 Resp: 148799

Ion Ratio Lower Upper

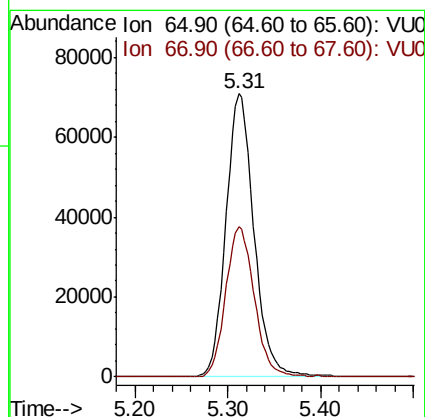
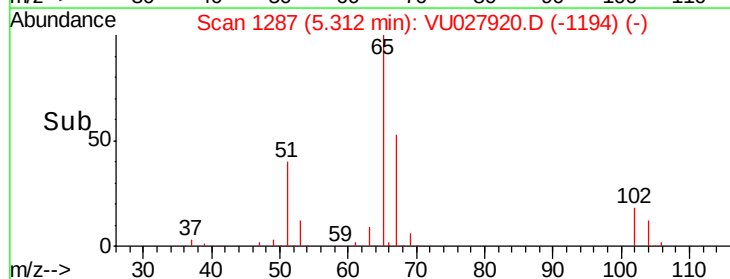
65 100

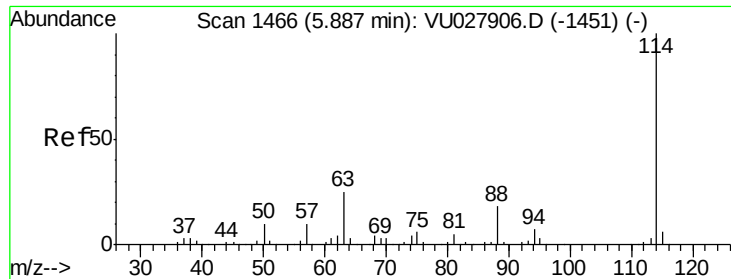
67 54.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027920.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027920.D (-1194) (-)

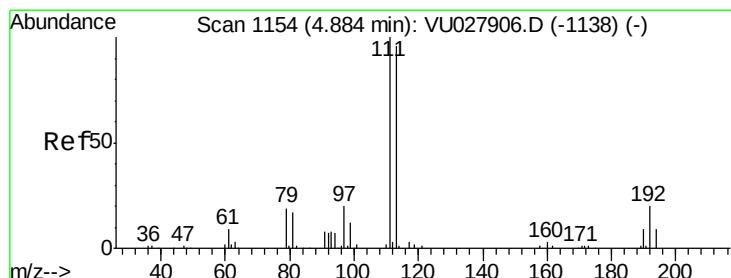
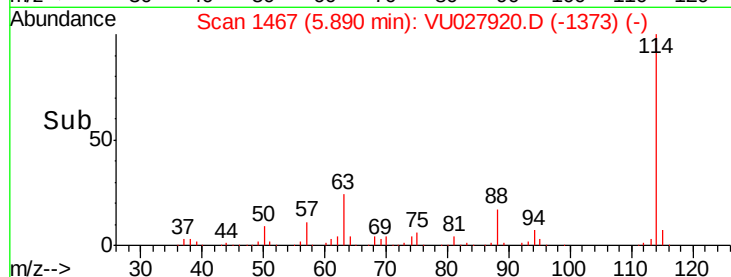
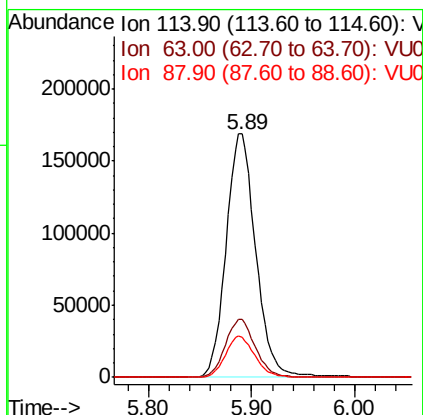
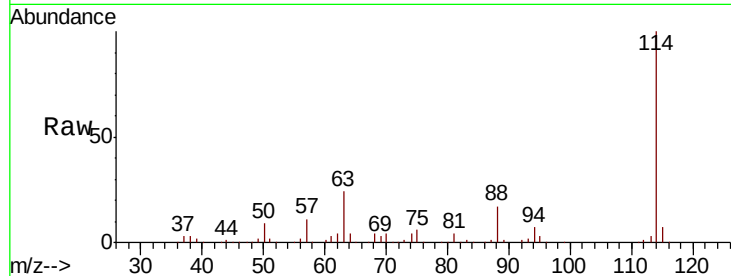




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027920.D
 Acq: 02 Nov 2018 12:53

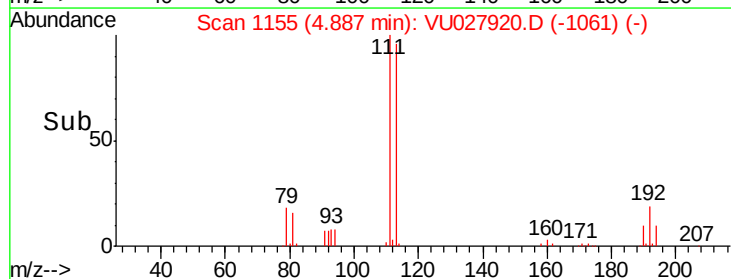
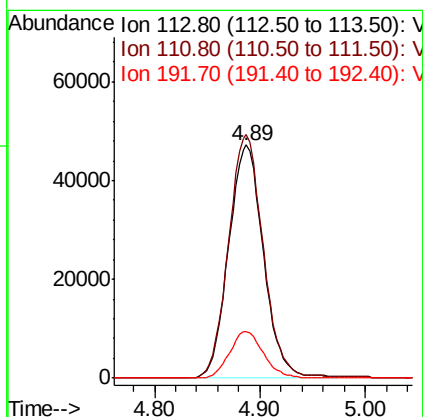
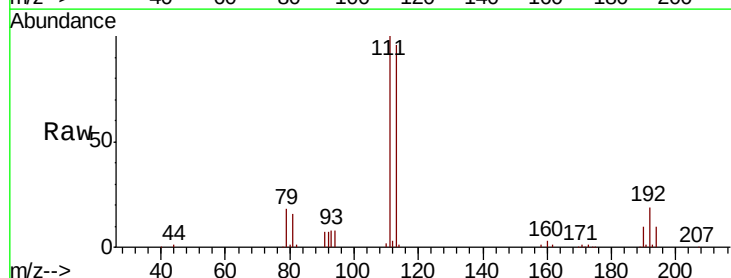
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2A

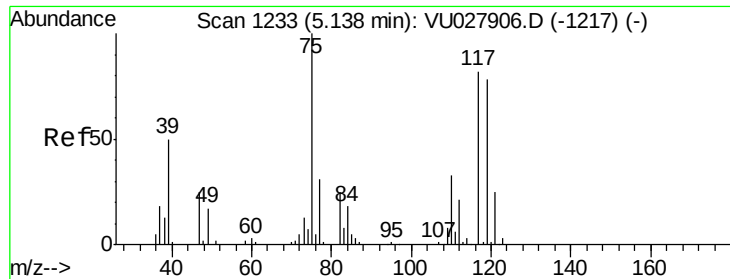
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	50.8
88	16.6	0.0	35.8



#35
 Dibromofluoromethane
 Concen: 50.724 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027920.D
 Acq: 02 Nov 2018 12:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	19.5	15.6	23.4





#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

TP-2A

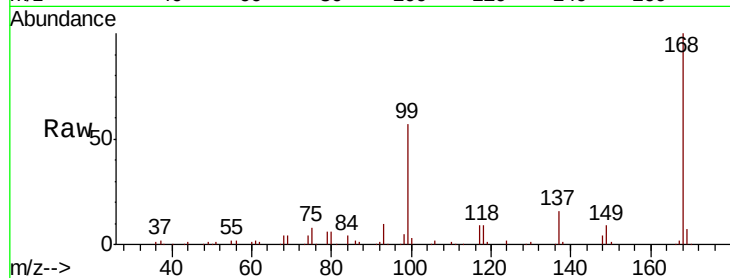
Tot Ion: 75 Resp: 16436

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

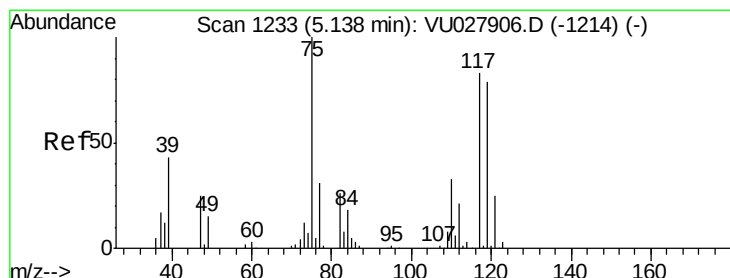
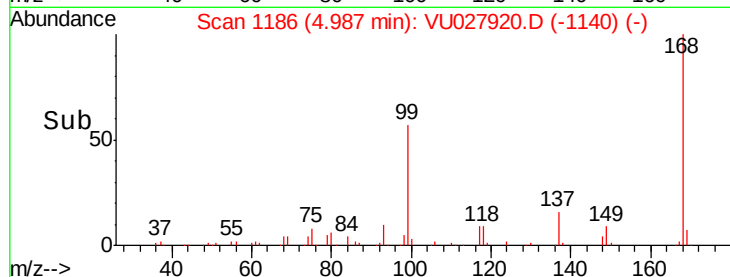
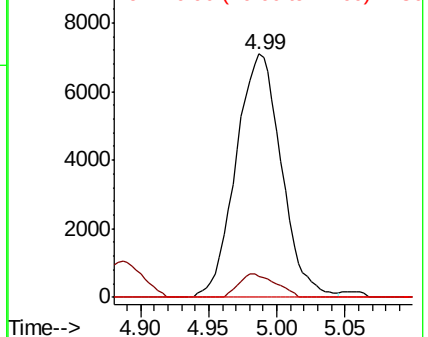
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU027920.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027920.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027920.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

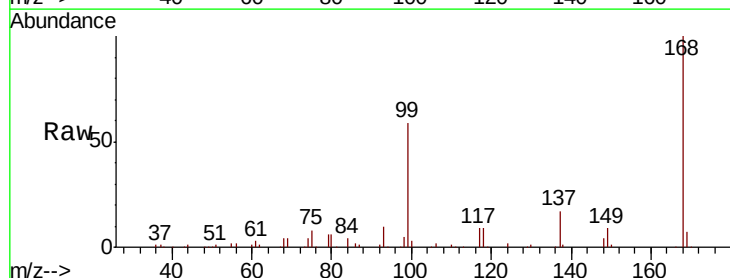
Tgt Ion: 117 Resp: 18901

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

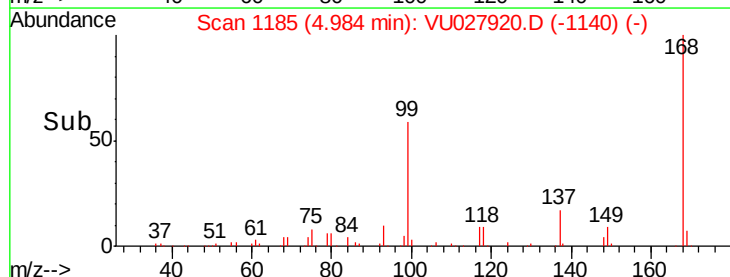
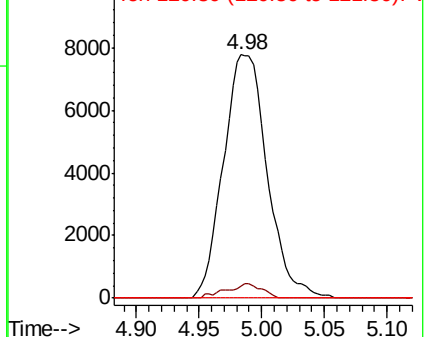
121 0.0 24.5 36.7#

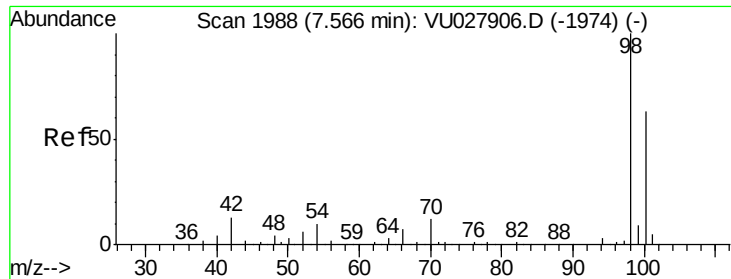


Abundance Ion 116.80 (116.50 to 117.50): VU027920.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027920.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027920.D (-1140) (-)

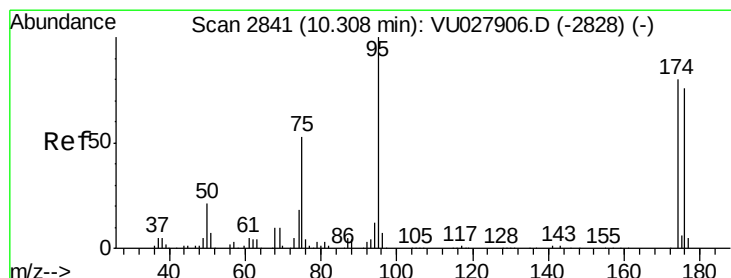
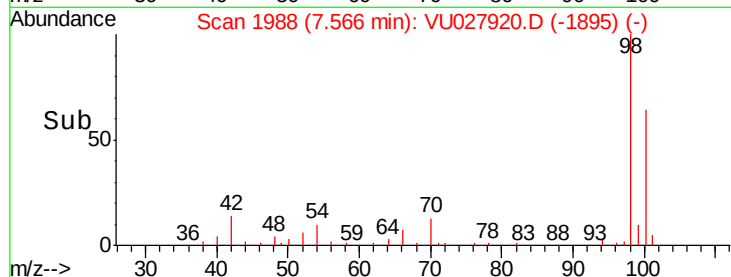
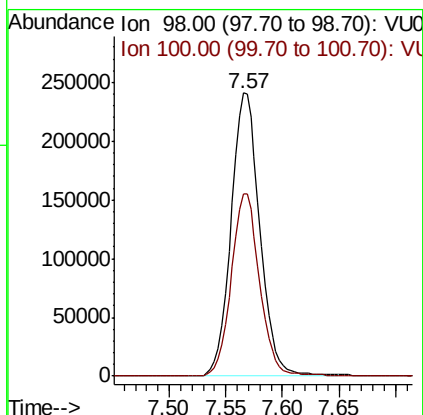
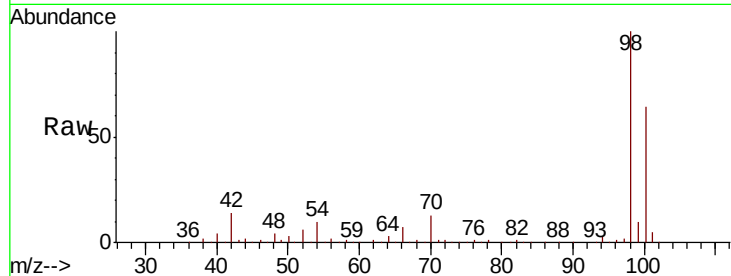




#50
Toluene-d8
Concen: 51.688 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

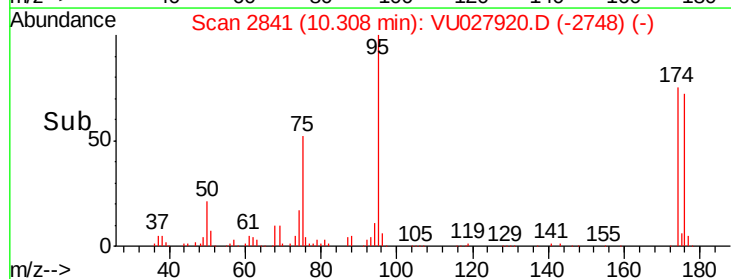
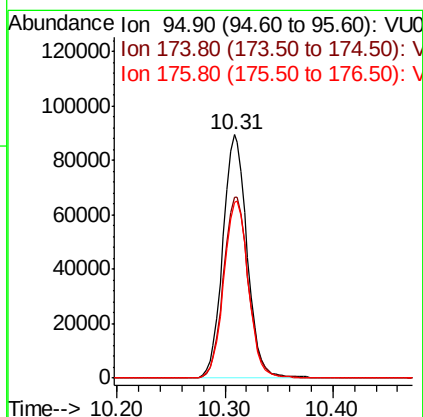
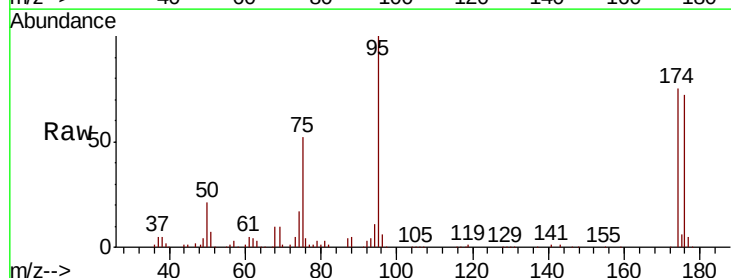
Instrument :
MSVOA_U
ClientSampled :
TP-2A

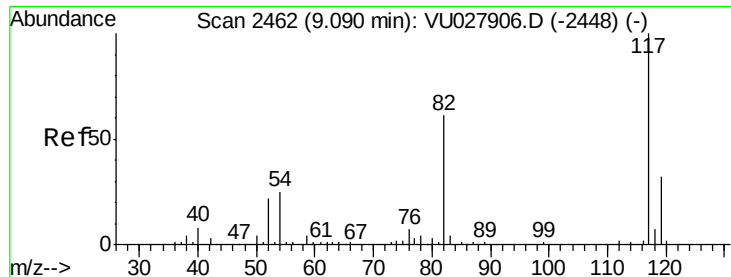
Tot Ion: 98 Resp: 425651
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.097 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Tgt Ion: 95 Resp: 140017
Ion Ratio Lower Upper
95 100
174 76.7 0.0 156.4
176 74.0 0.0 150.8

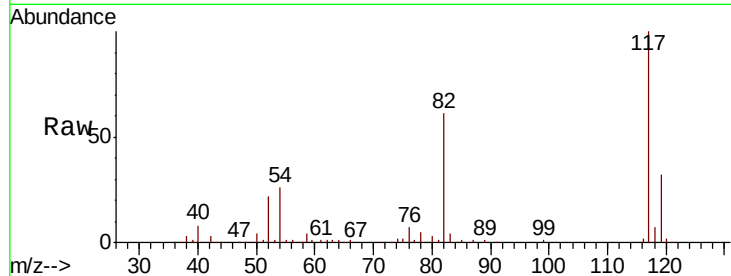




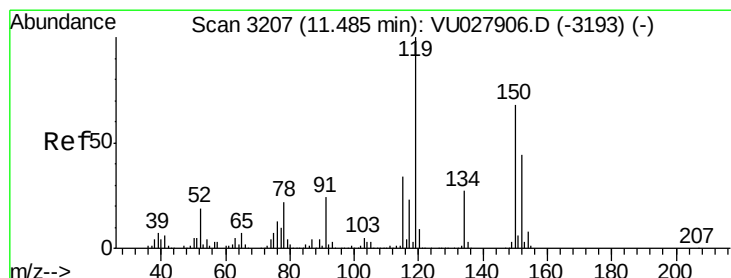
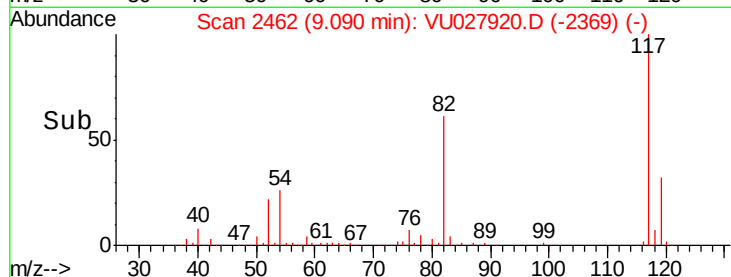
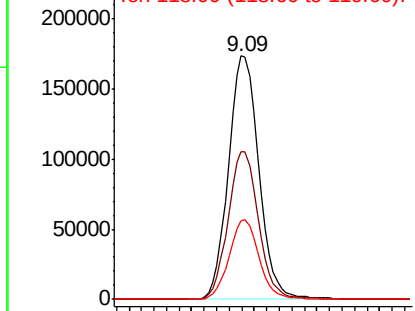
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Instrument :
MSVOA_U
ClientSampleId :
TP-2A

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.6	73.0
119	32.5	25.8	38.8

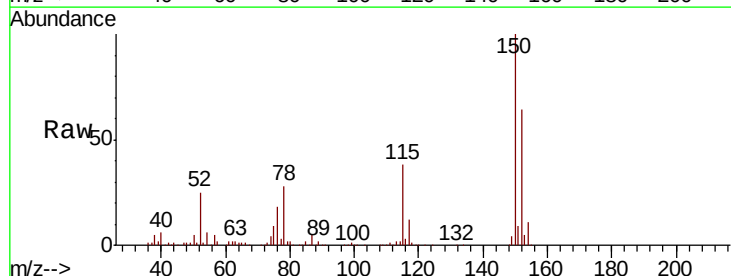


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

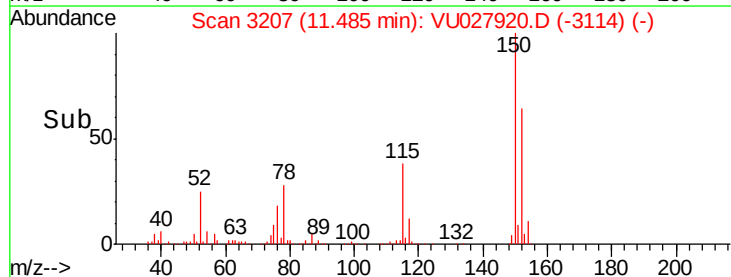
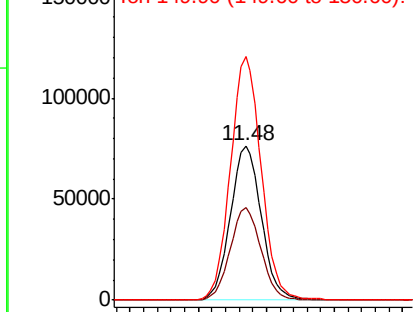


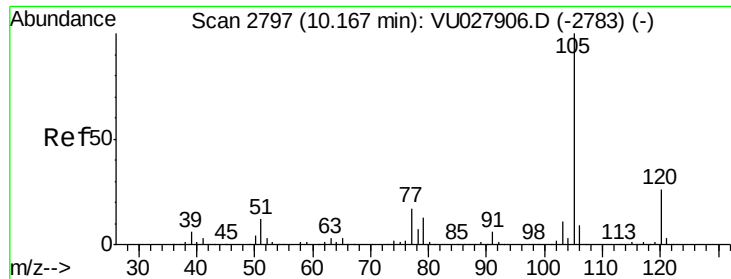
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	43.0	129.0
150	156.5	0.0	349.4



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: 0.285 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027920.D

Acq: 02 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

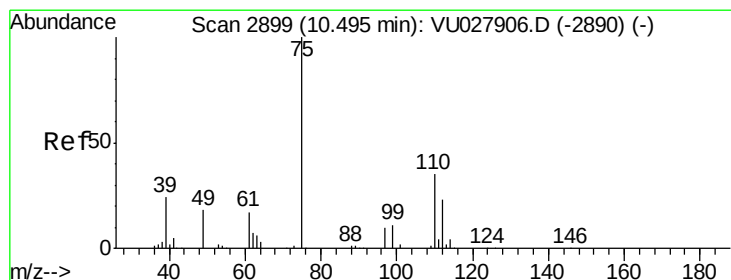
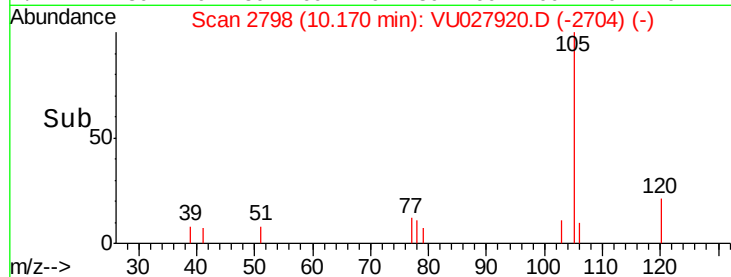
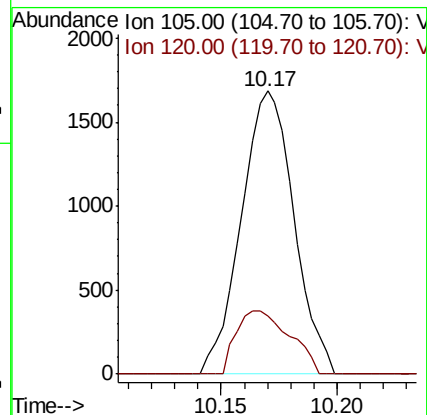
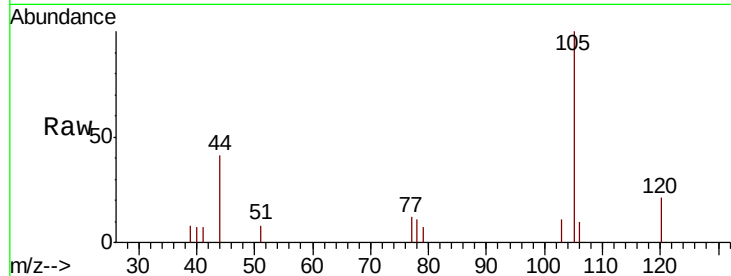
TP-2A

Tot Ion:105 Resp: 2661

Ion Ratio Lower Upper

105 100

120 22.7 12.7 38.0



#76

1,2,3-Trichloropropane

Concen: 21.938 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027920.D

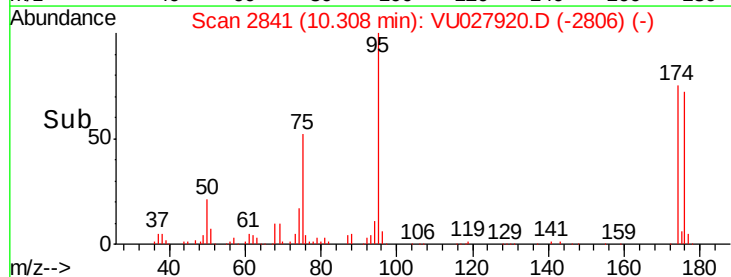
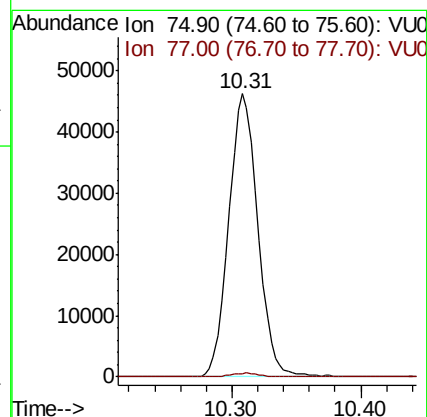
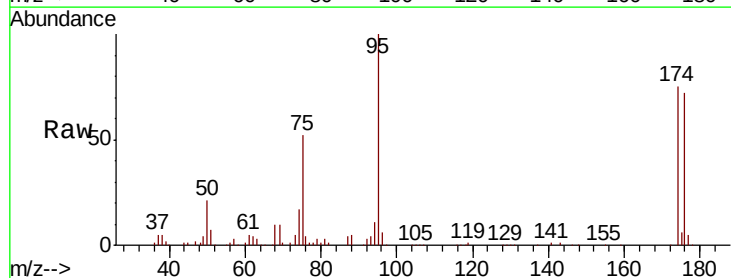
Acq: 02 Nov 2018 12:53

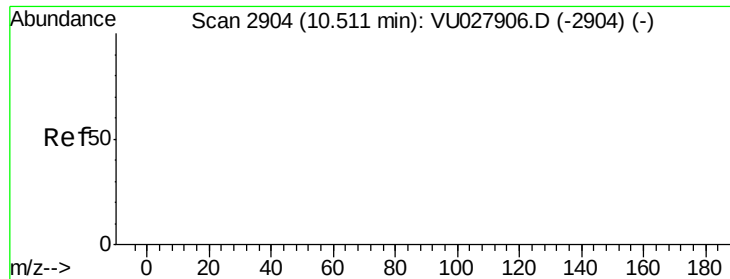
Tgt Ion: 75 Resp: 72268

Ion Ratio Lower Upper

75 100

77 1.4 21.6 64.6#

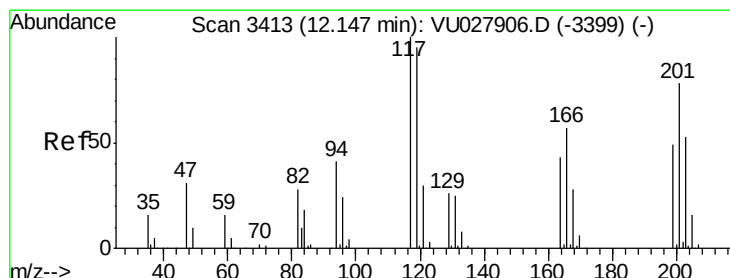
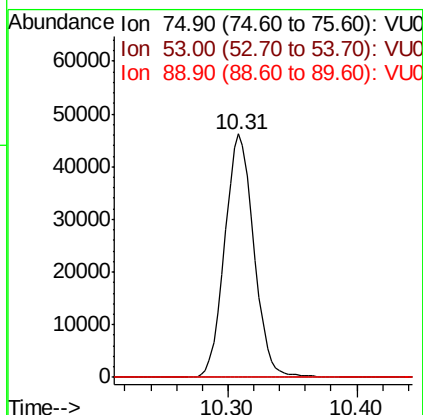
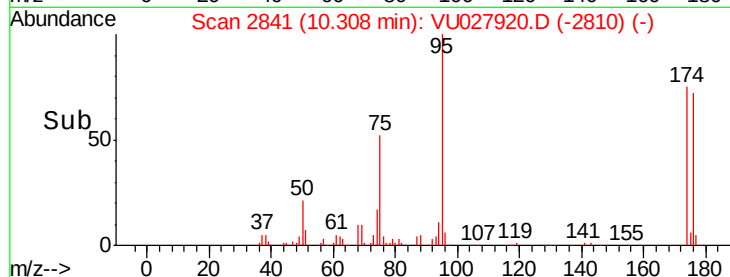
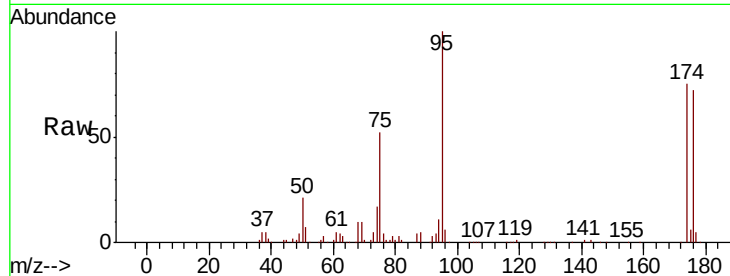




#81
trans-1,4-Dichloro-2-butene
Concen: 54.750 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

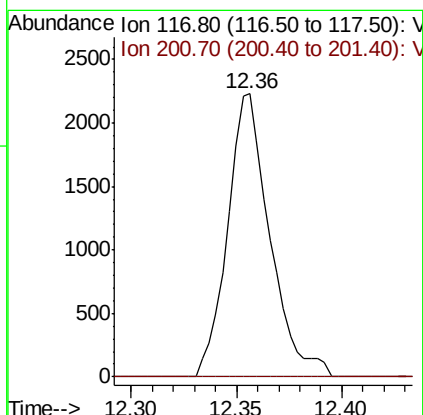
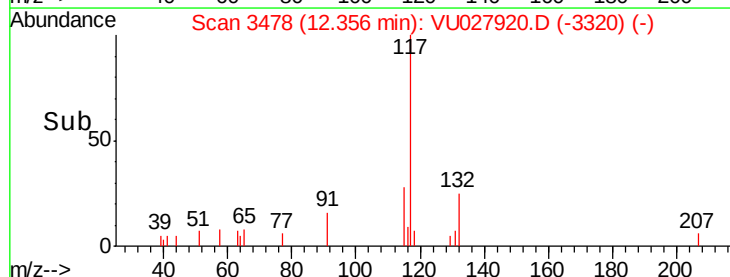
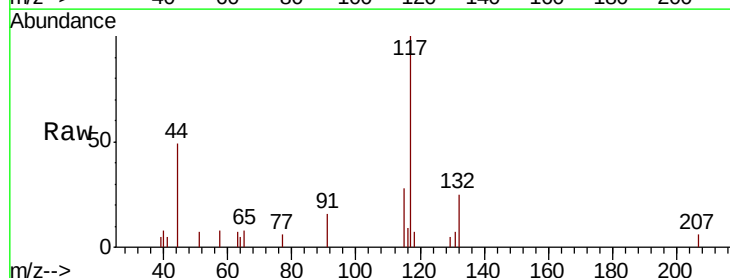
Instrument :
MSVOA_U
ClientSampleId :
TP-2A

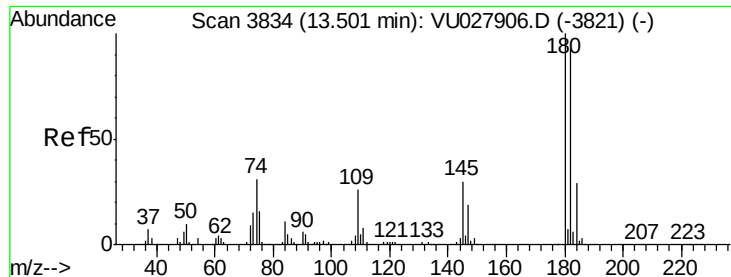
Tot Ion: 75 Resp: 72268
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#90
Hexachloroethane
Concen: 2.212 ug/l
RT: 12.36 min Scan# 3478
Delta R.T. 0.21 min
Lab File: VU027920.D
Acq: 02 Nov 2018 12:53

Tgt Ion: 117 Resp: 3094
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#

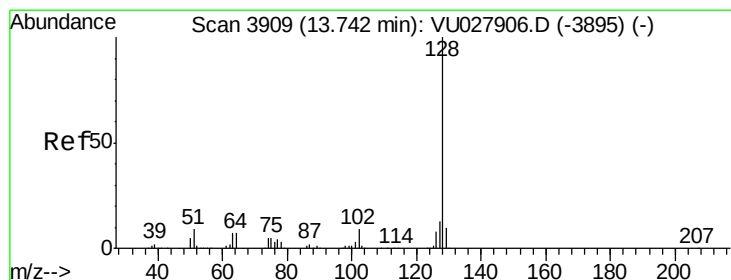
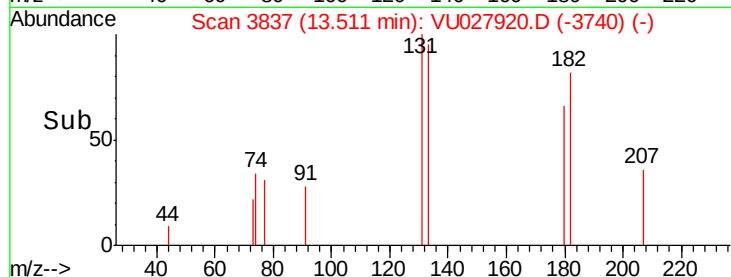
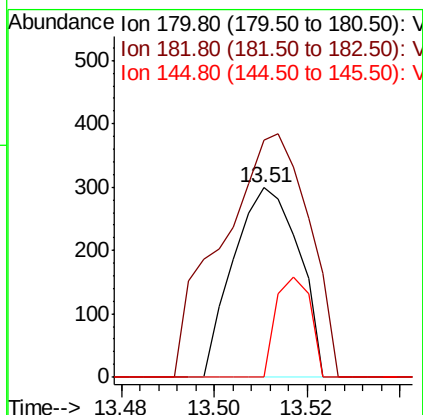
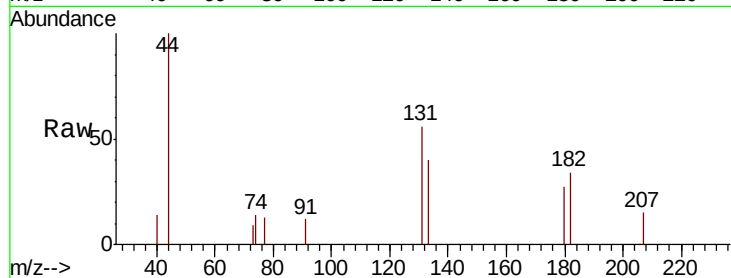




#93
 1,2,4-Trichlorobenzene
 Concen: 0.788 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027920.D
 Acq: 02 Nov 2018 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2A

Tot Ion:180 Resp: 292
 Ion Ratio Lower Upper
 180 100
 182 170.9 48.4 145.2#
 145 0.0 14.9 44.5#



#95
 Naphthalene
 Concen: 1.818 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027920.D
 Acq: 02 Nov 2018 12:53

Tgt Ion:128 Resp: 19691
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.4 15.6
 129 12.2 8.3 12.5

