

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027937.D
 Acq On : 02 Nov 2018 19:33
 Operator : MD/SY
 Sample : J5767-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-02-110118-D

Quant Time: Nov 03 04:26:02 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	189035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	335238	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	125063	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	147279	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
35) Dibromofluoromethane	4.88	113	110323	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	7.57	98	429969	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	10.31	95	139034	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

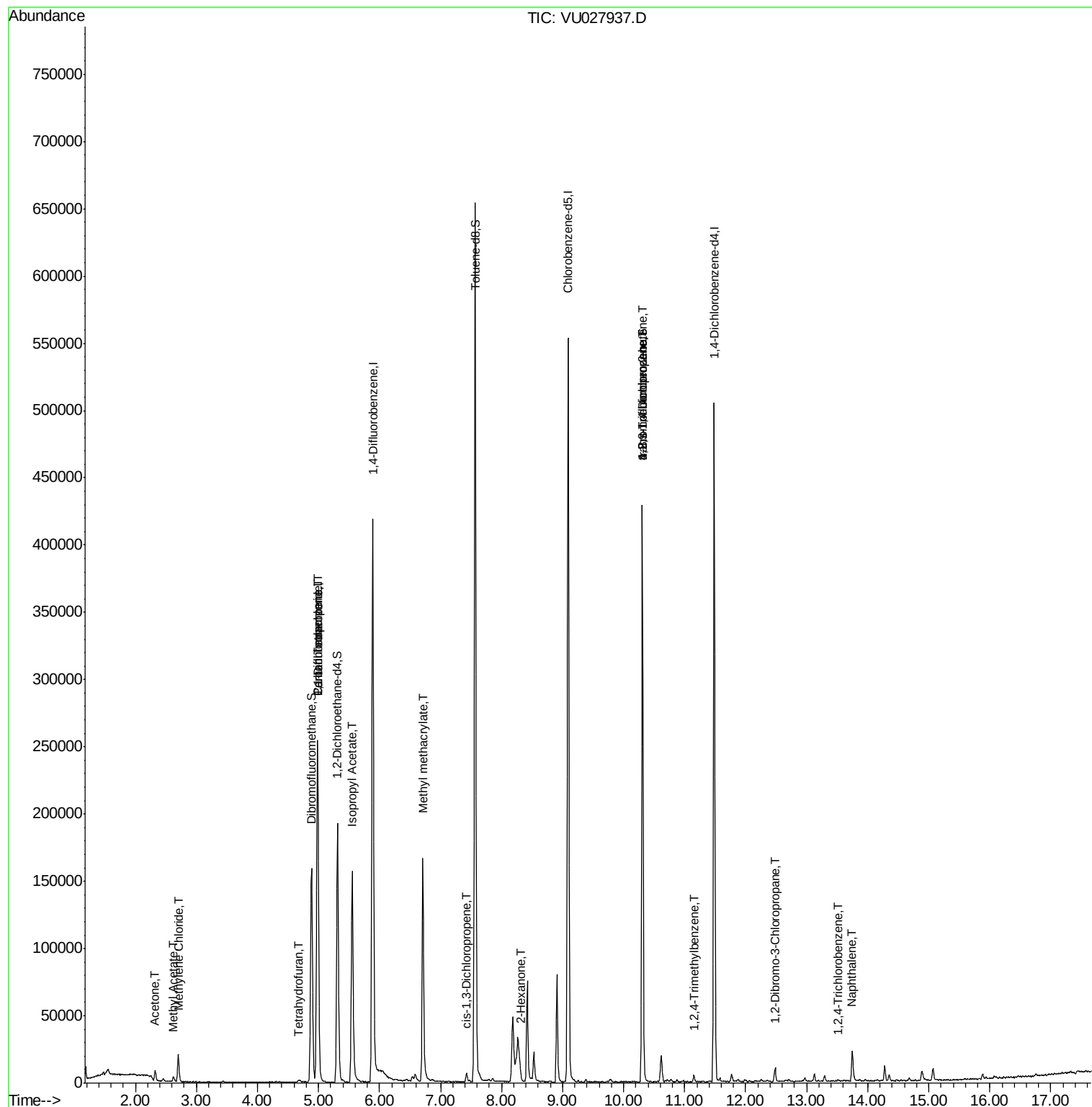
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.20	56	50	Below Cal	#	73
16) Acetone	2.32	43	7815	4.482	ug/l	100
18) Methyl Acetate	2.62	43	5021	1.047	ug/l #	78
20) Methylene Chloride	2.70	84	7957	3.125	ug/l	86
29) Tetrahydrofuran	4.66	42	519	0.280	ug/l #	63
31) Cyclohexane	4.98	56	4374	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16096	4.584	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18262	5.869	ug/l #	17
43) Isopropyl Acetate	5.55	43	191123	23.713	ug/l	100
48) Methyl methacrylate	6.71	41	15404	3.900	ug/l #	47
54) cis-1,3-Dichloropropene	7.43	75	1047	0.248	ug/l #	53
59) 2-Hexanone	8.32	43	1642	0.394	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	73202	21.399	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	73202	53.411	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	3084	0.382	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	302	0.367	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.51	180	22	0.692	ug/l #	82
95) Naphthalene	13.75	128	21132	1.885	ug/l	98

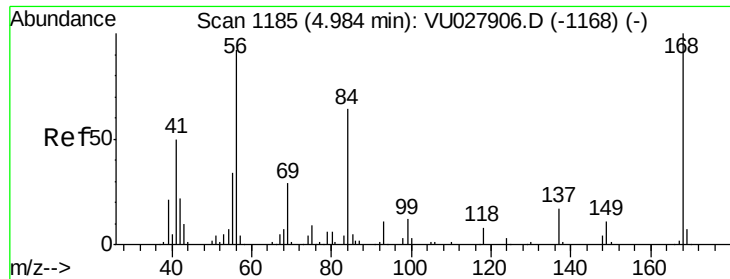
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110218\
Data File : VU027937.D
Acq On : 02 Nov 2018 19:33
Operator : MD/SY
Sample : J5767-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CL-02-110118-D

Quant Time: Nov 03 04:26:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 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: VU027937.D

Acq: 02 Nov 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

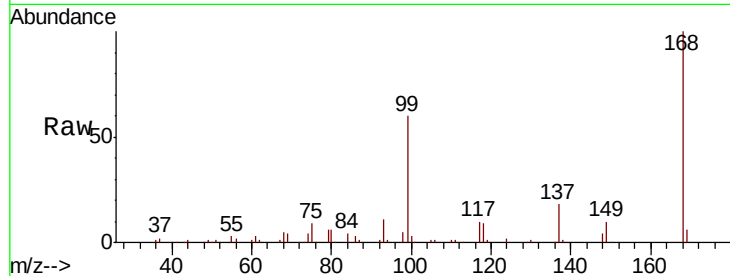
CL-02-110118-D

Tot Ion:168 Resp: 189035

Ion Ratio Lower Upper

168 100

99 60.5 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

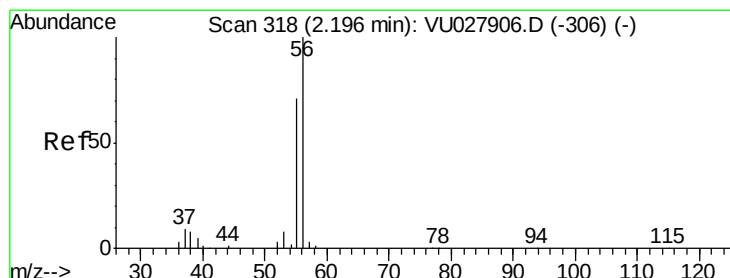
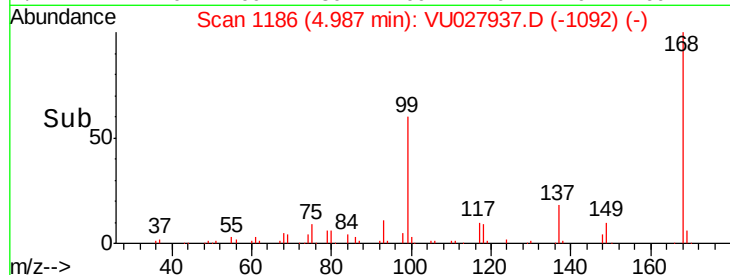
40000

20000

0

4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU027937.D

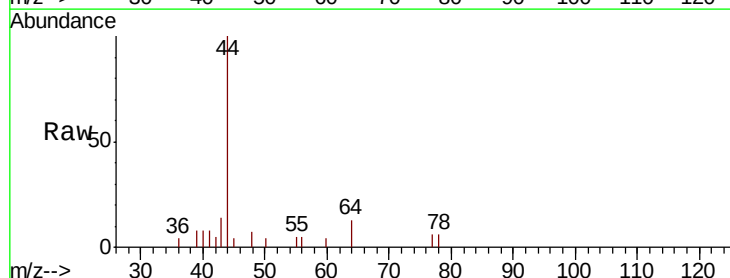
Acq: 02 Nov 2018 19:33

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 48.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

150

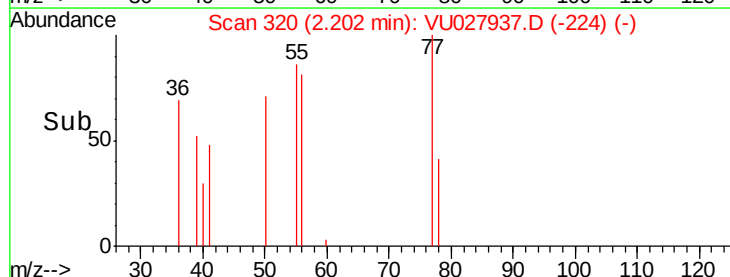
100

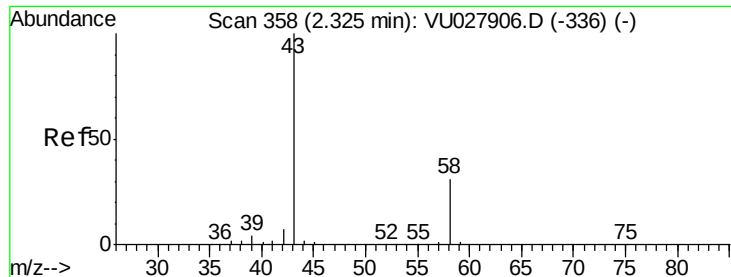
50

0

2.19 2.20 2.21

Time-->





#16

Acetone

Concen: 4.482 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

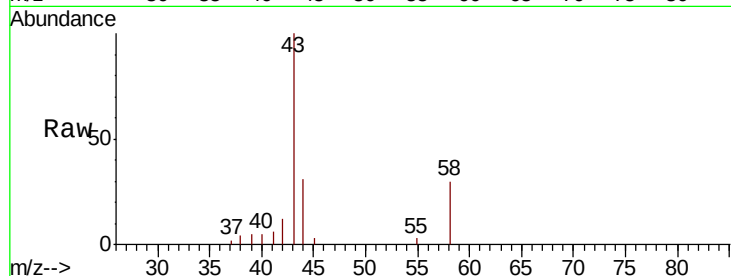
CL-02-110118-D

Tot Ion: 43 Resp: 7815

Ion Ratio Lower Upper

43 100

58 30.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32

5000

4000

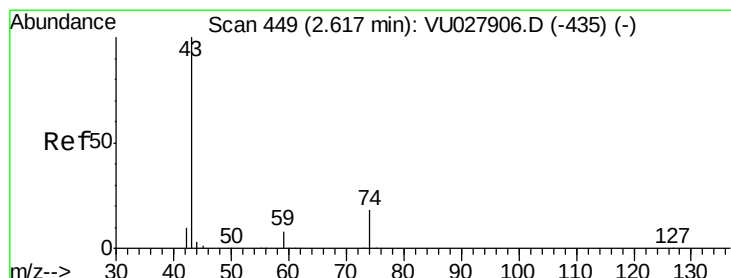
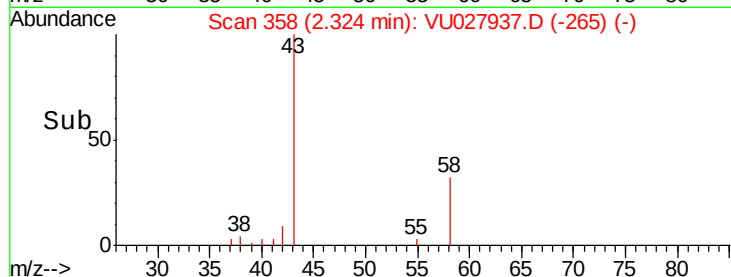
3000

2000

1000

0

Time--> 2.25 2.30 2.35 2.40



#18

Methyl Acetate

Concen: 1.047 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027937.D

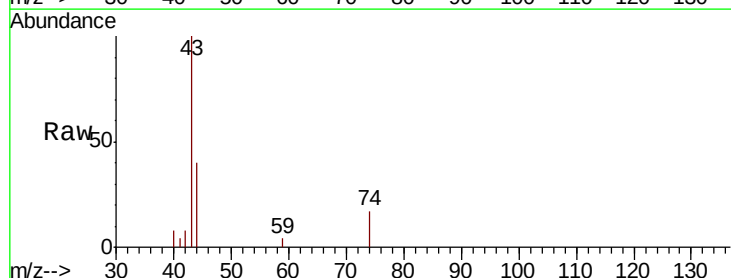
Acq: 02 Nov 2018 19:33

Tgt Ion: 43 Resp: 5021

Ion Ratio Lower Upper

43 100

74 8.9 14.9 22.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027906.D (-435) (-)

2.62

3000

2500

2000

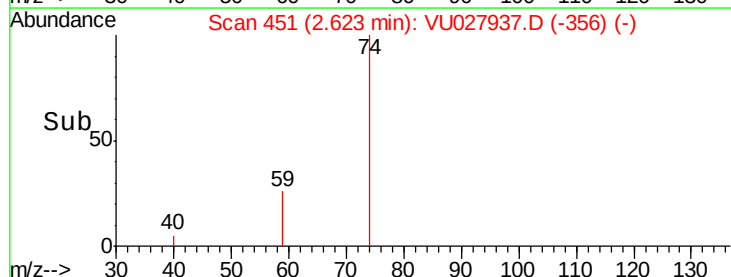
1500

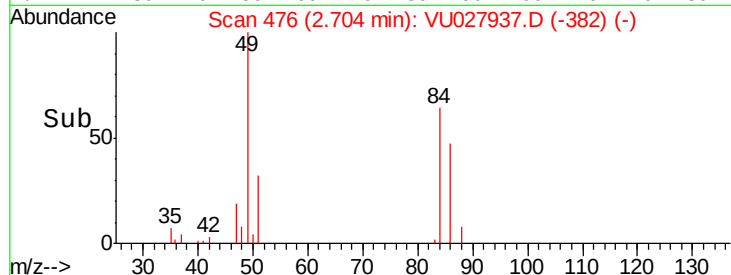
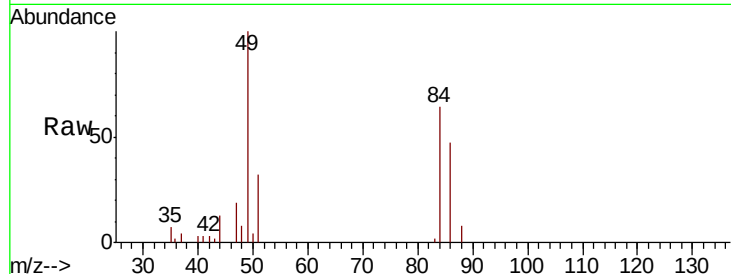
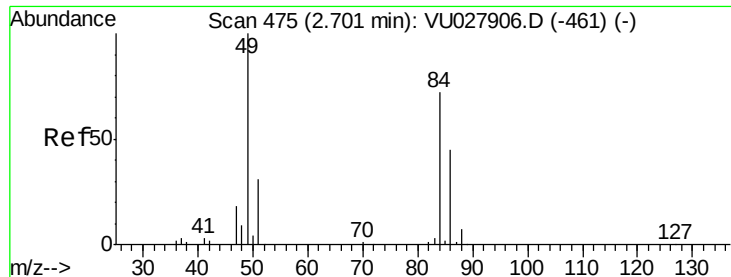
1000

500

0

Time--> 2.55 2.60 2.65

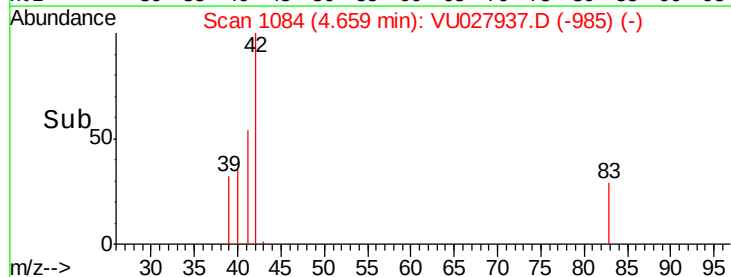
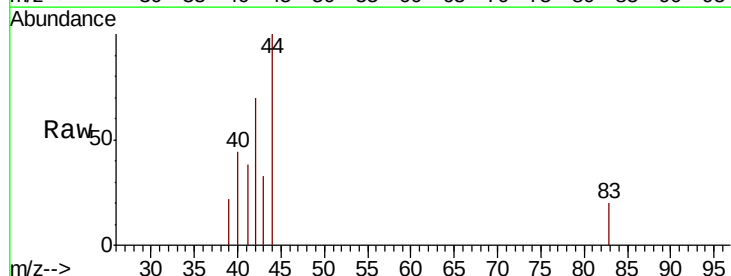
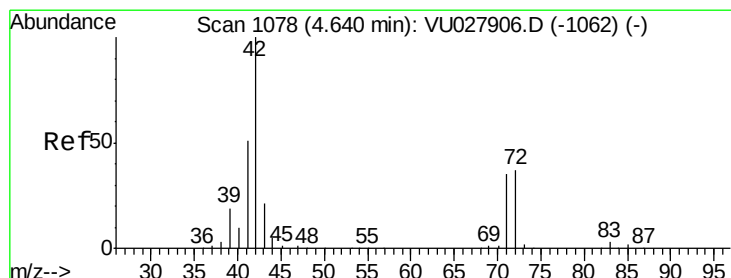
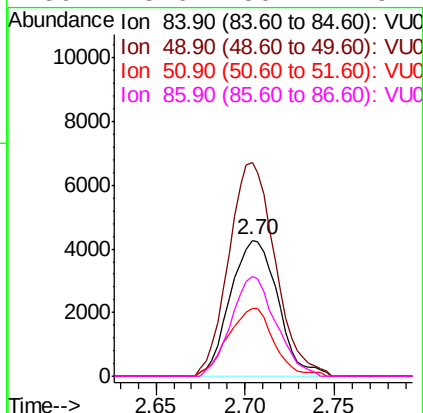




#20
Methylene Chloride
Concen: 3.125 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

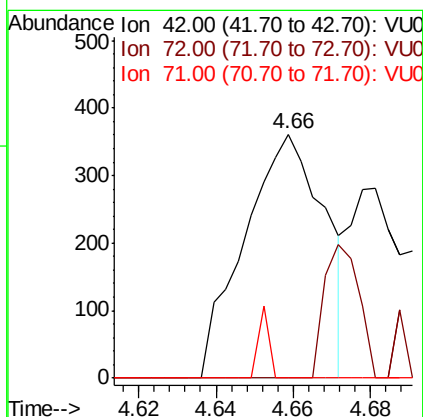
Instrument :
MSVOA_U
ClientSampleId :
CL-02-110118-D

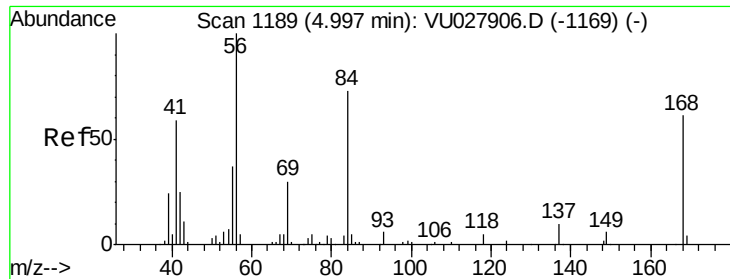
Tot Ion:	84	Resp:	7957
Ion	Ratio	Lower	Upper
84	100		
49	157.2	111.6	167.4
51	50.3	34.8	52.2
86	73.6	50.1	75.1



#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Tgt Ion:	42	Resp:	519
Ion	Ratio	Lower	Upper
42	100		
72	23.5	29.4	44.0#
71	3.9	27.9	41.9#

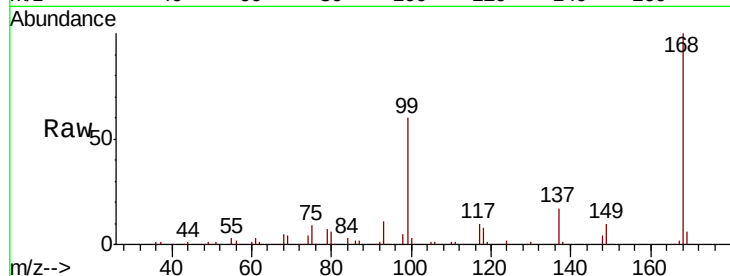




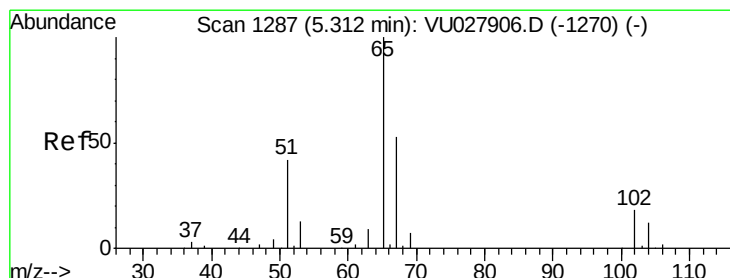
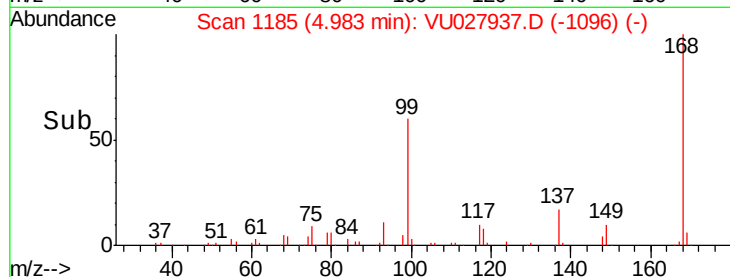
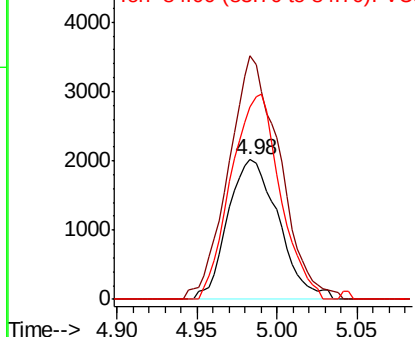
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
CL-02-110118-D

Tot Ion: 56 Resp: 4374
Ion Ratio Lower Upper
56 100
69 169.4 23.7 35.5#
84 138.1 58.2 87.4#

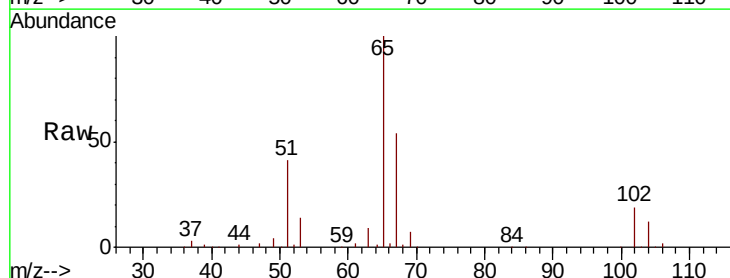


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

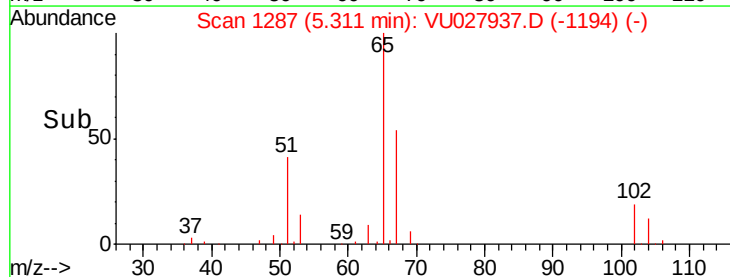
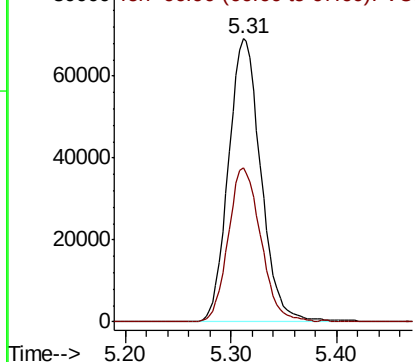


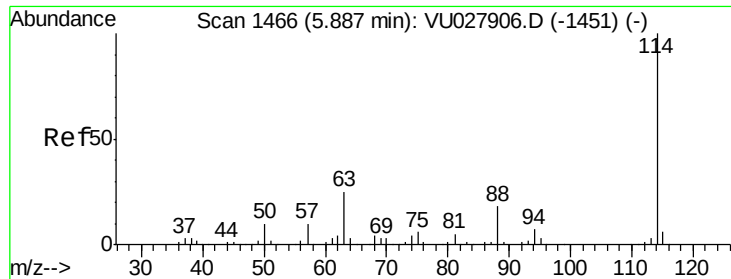
#33
1,2-Dichloroethane-d4
Concen: 52.404 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Tgt Ion: 65 Resp: 147279
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0



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

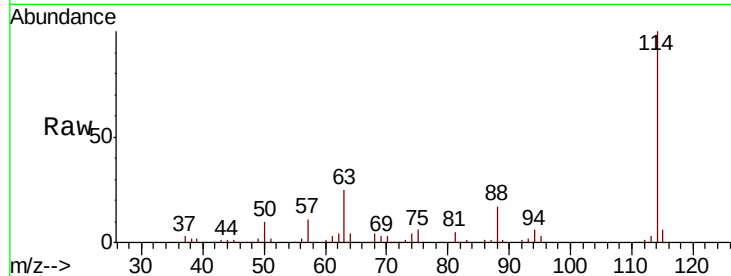




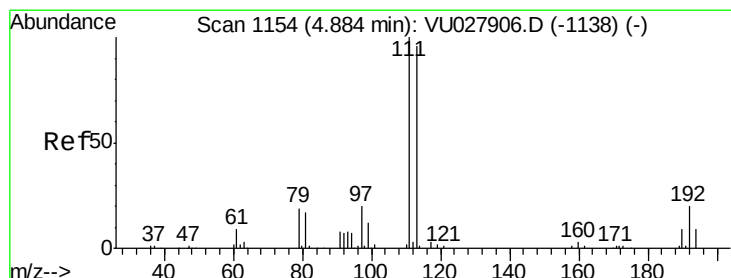
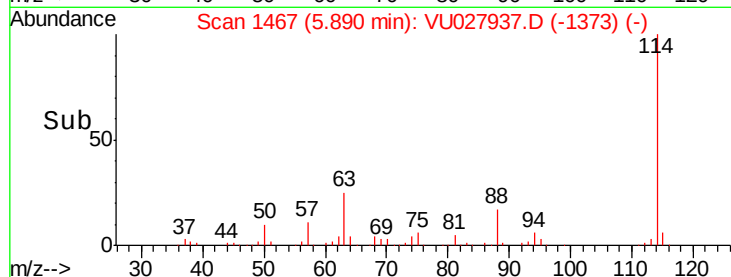
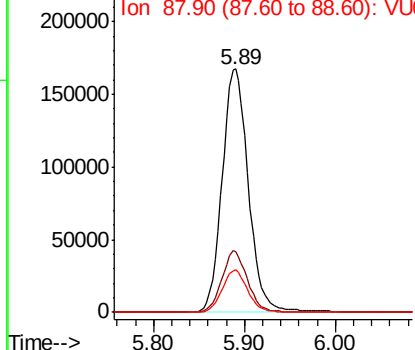
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-02-110118-D

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.8
88	17.3	0.0	35.8

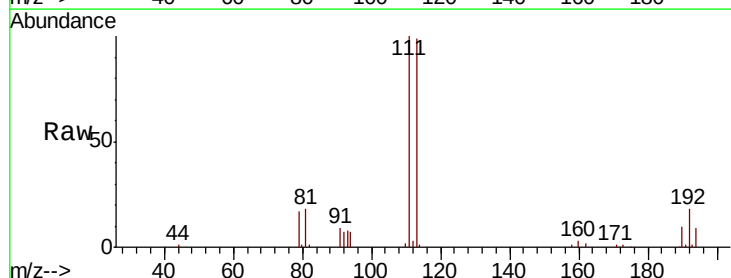


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

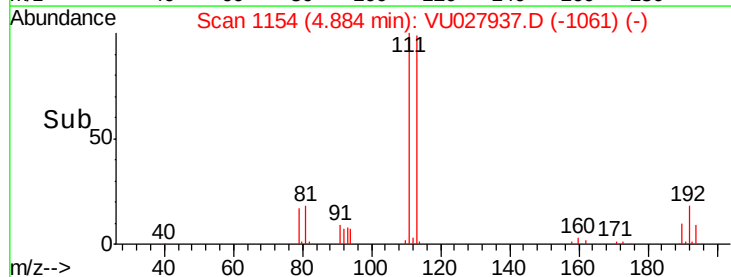
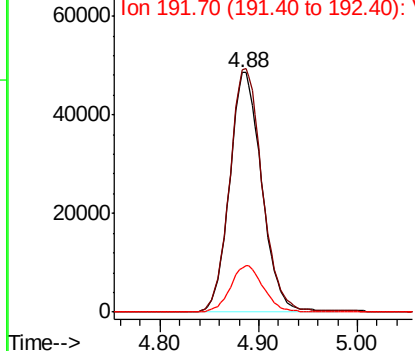


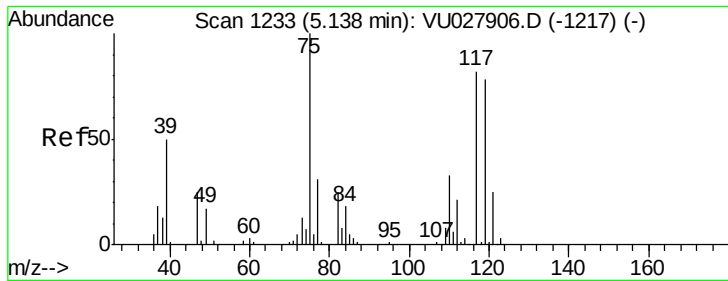
#35
 Dibromofluoromethane
 Concen: 52.194 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.6
192	19.7	15.6	23.4



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

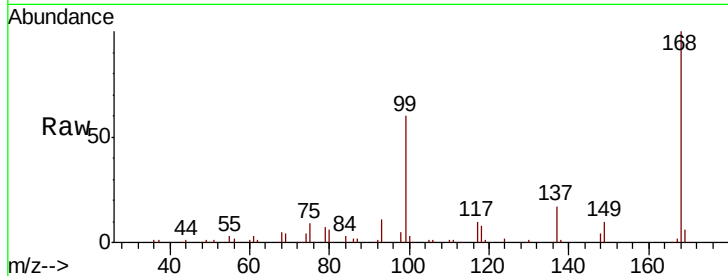




#36
 1,1-Dichloropropene
 Concen: 4.584 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-02-110118-D

Tot Ion	75	Resp	16096
Ion Ratio	Lower	Upper	
75	100		
110	7.1	16.5	49.5#
77	0.0	24.9	37.3#

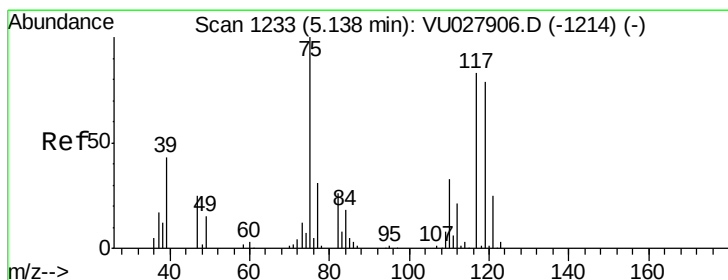
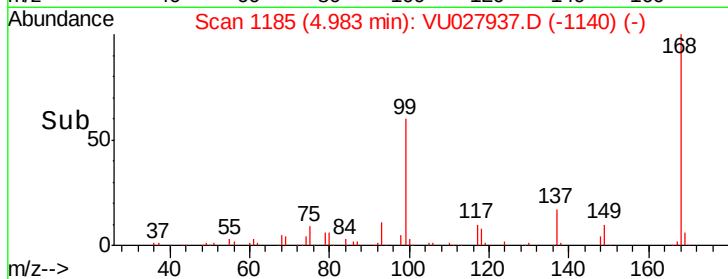
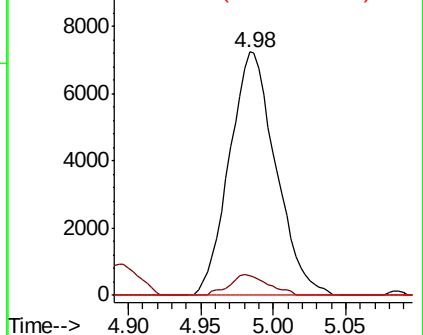


Abundance

Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

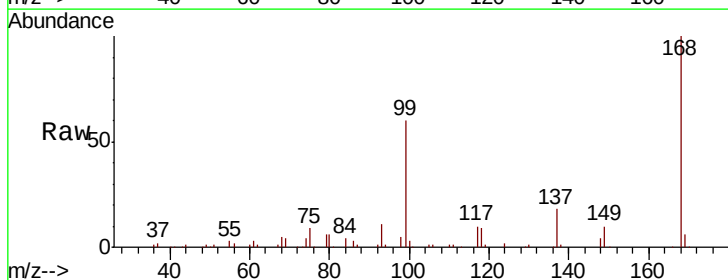
Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)



#38
 Carbon Tetrachloride
 Concen: 5.869 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Tgt Ion	117	Resp	18262
Ion Ratio	Lower	Upper	
117	100		
119	6.0	76.0	114.0#
121	0.0	24.5	36.7#

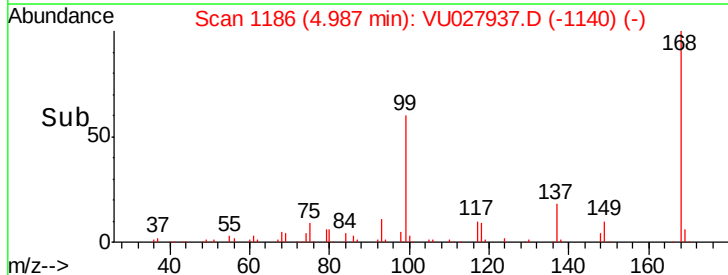
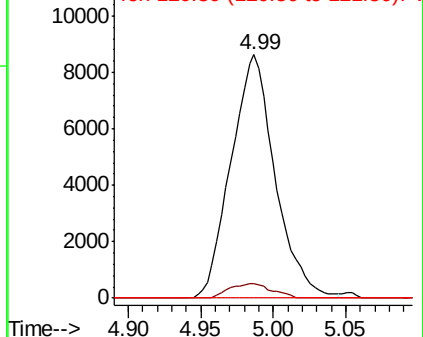


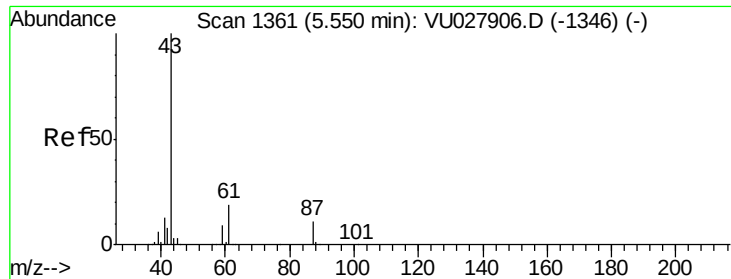
Abundance

Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

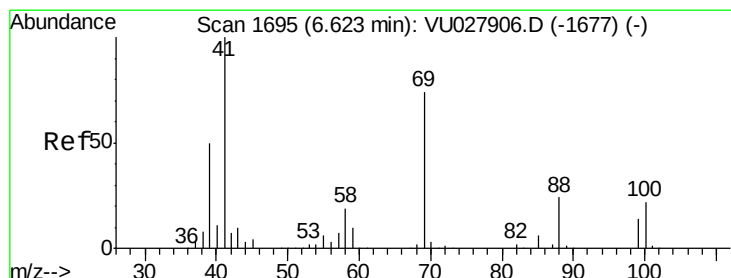
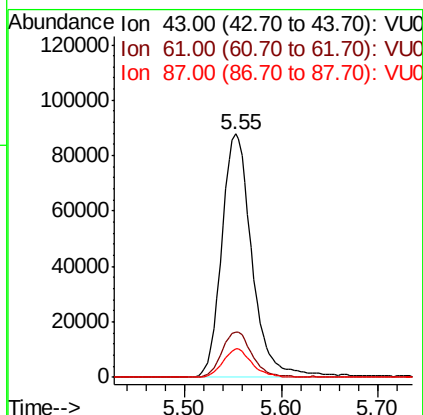
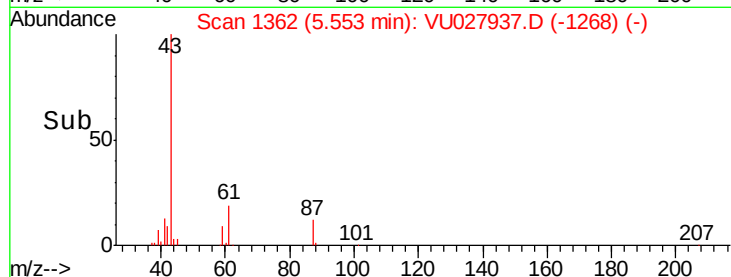
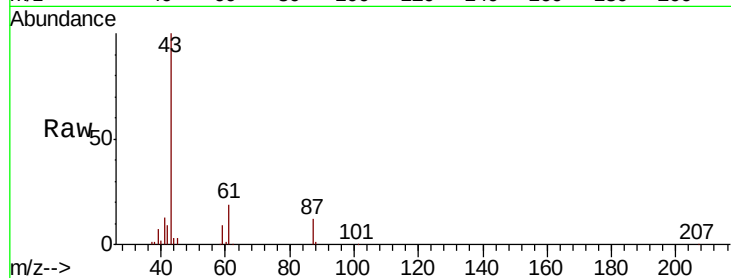




#43
Isopropyl Acetate
Concen: 23.713 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

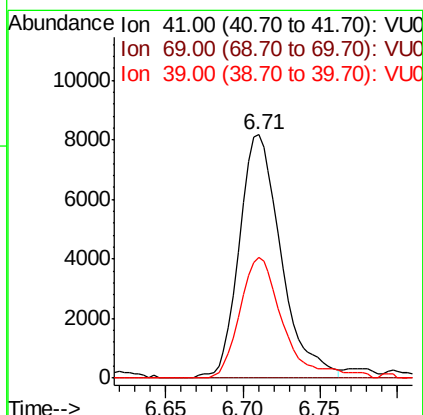
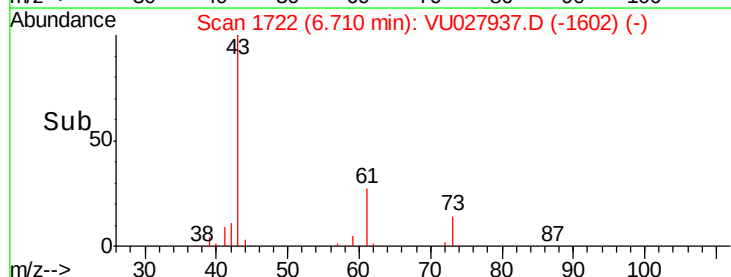
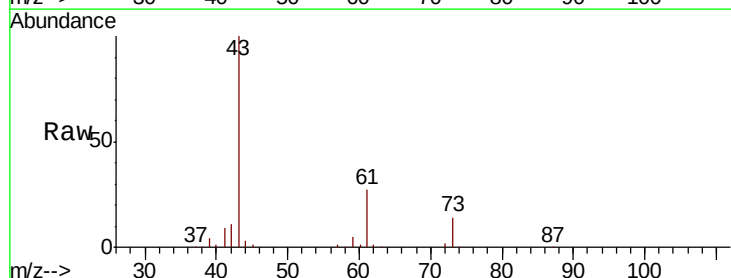
Instrument :
MSVOA_U
ClientSampleId :
CL-02-110118-D

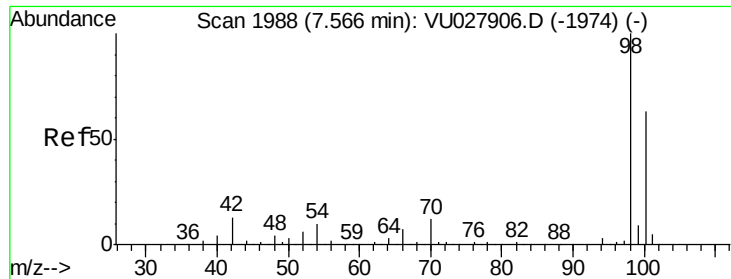
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.4
87	11.0	8.6	12.8



#48
Methyl methacrylate
Concen: 3.900 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.8	89.8#
39	50.3	40.0	60.0





#50

Toluene-d8

Concen: 52.659 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

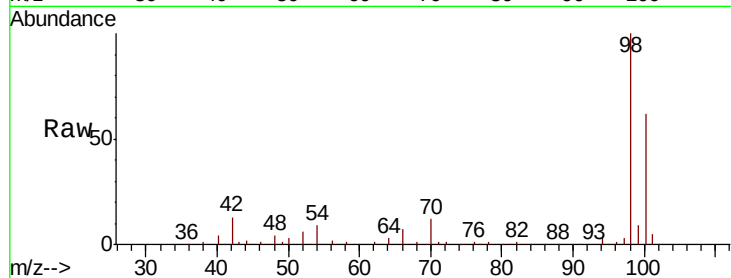
CL-02-110118-D

Tot Ion: 98 Resp: 429969

Ion Ratio Lower Upper

98 100

100 62.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

250000

200000

150000

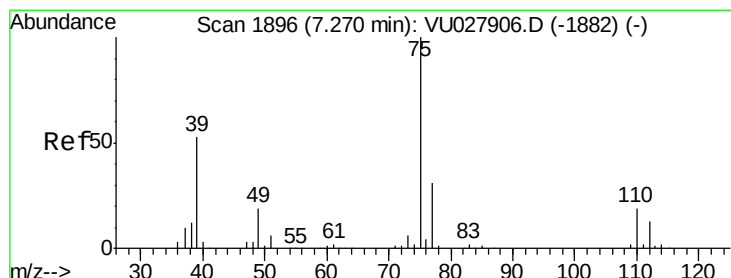
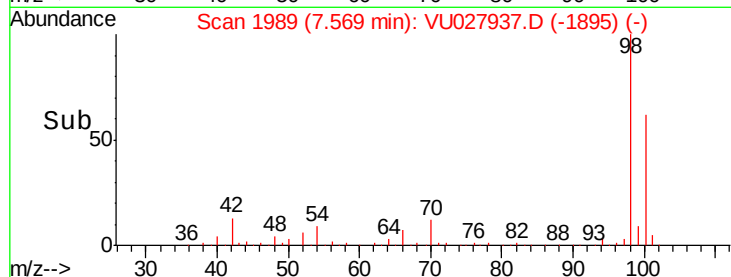
100000

50000

0

7.50 7.60 7.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.248 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

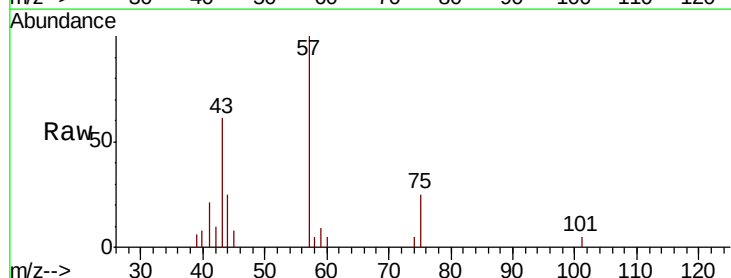
Tgt Ion: 75 Resp: 1047

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 24.0 42.6 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1882) (-)

7.43

800

600

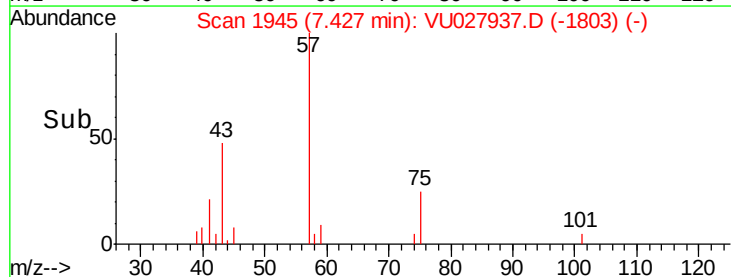
400

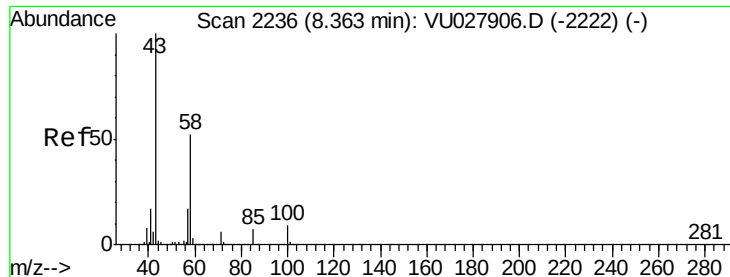
200

0

7.40 7.45

Time-->

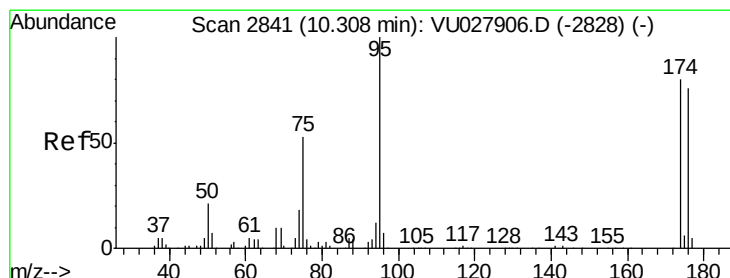
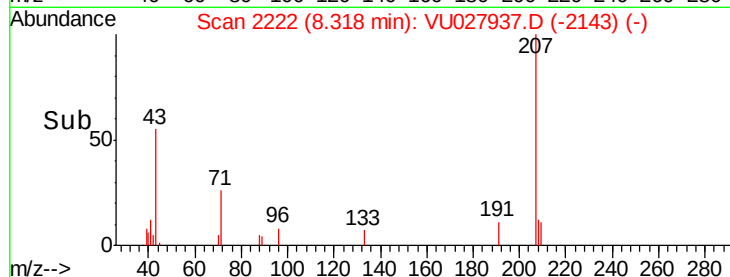
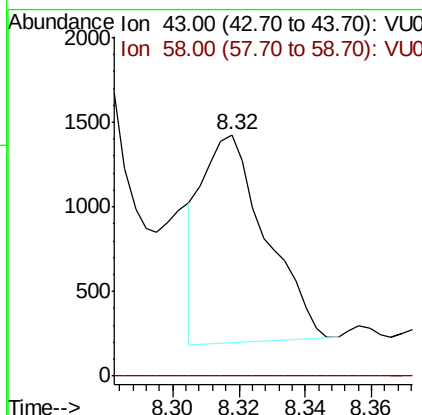
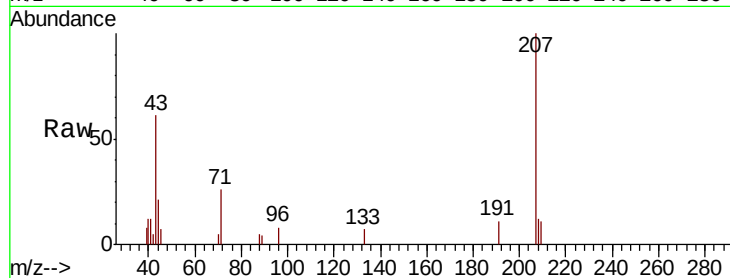




#59
 2-Hexanone
 Concen: 0.394 ug/l
 RT: 8.32 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

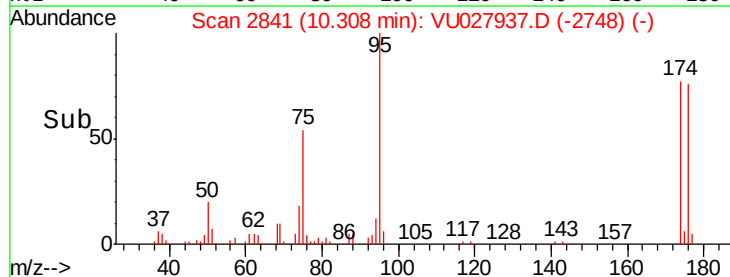
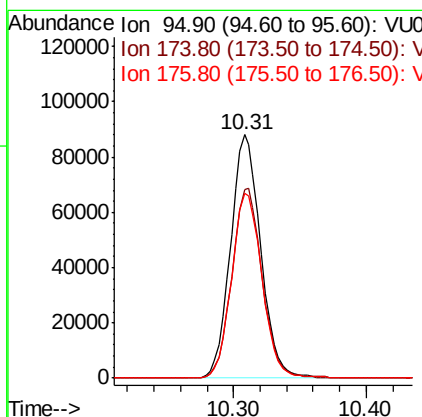
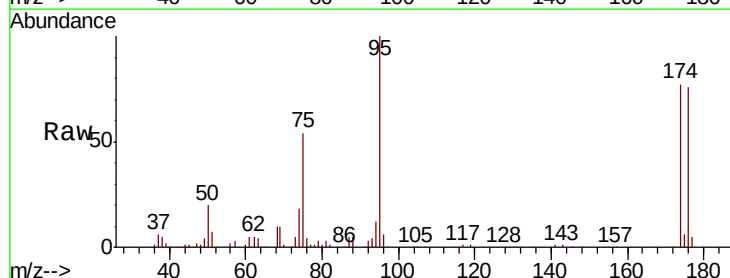
Instrument :
 MSVOA_U
 ClientSampleId :
 CL-02-110118-D

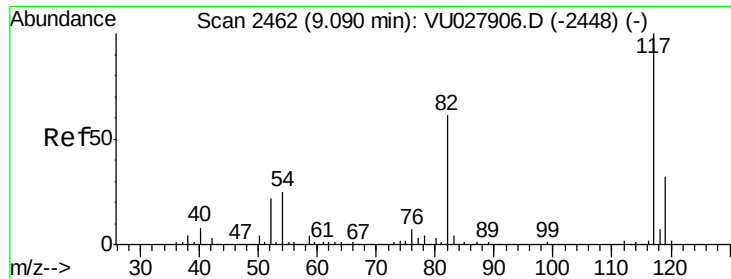
Tot Ion: 43 Resp: 1642
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 77.3#



#62
 4-Bromofluorobenzene
 Concen: 46.165 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Tgt Ion: 95 Resp: 139034
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 156.4
 176 76.8 0.0 150.8

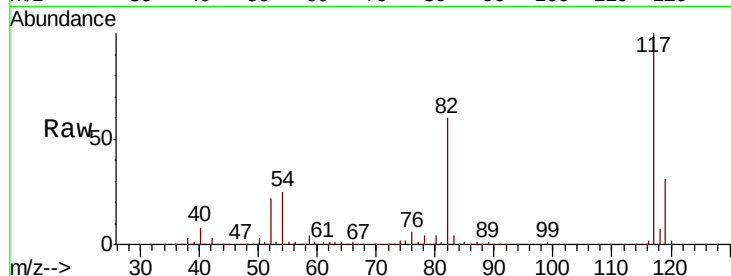




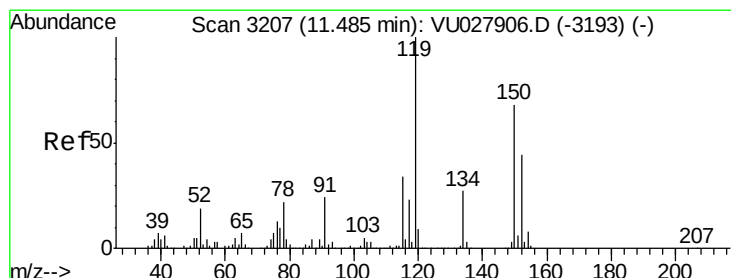
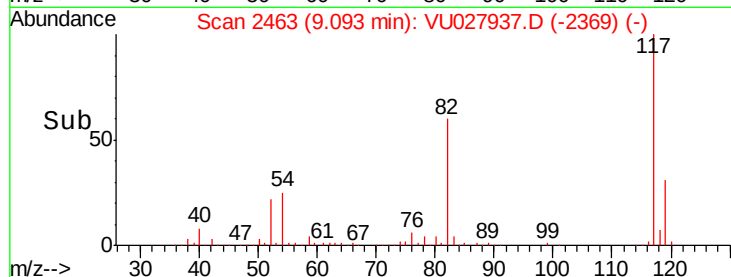
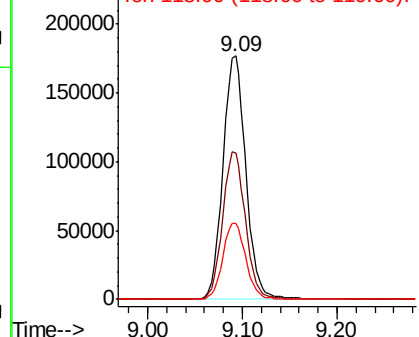
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
CL-02-110118-D

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.6	73.0
119	31.2	25.8	38.8

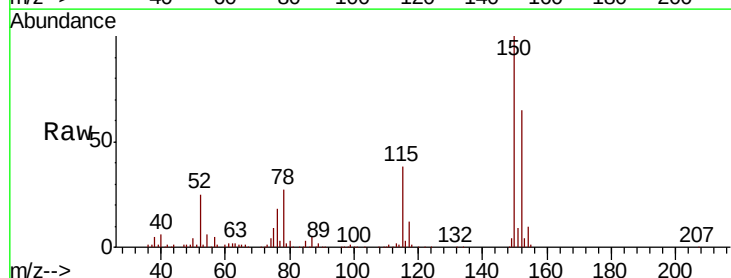


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

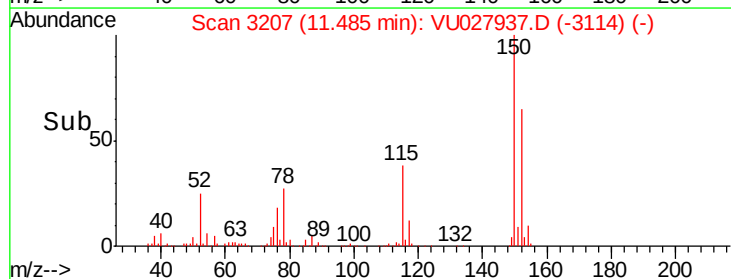
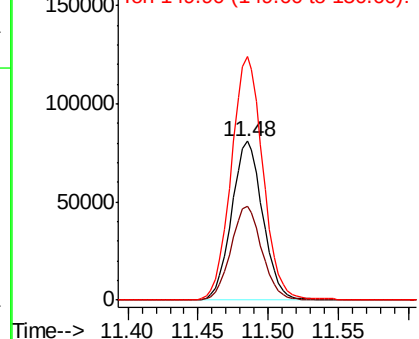


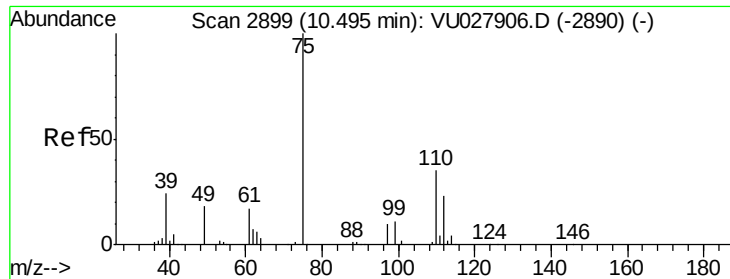
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027937.D
Acq: 02 Nov 2018 19:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	43.0	129.0
150	156.3	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





#76

1,2,3-Trichloropropane

Concen: 21.399 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

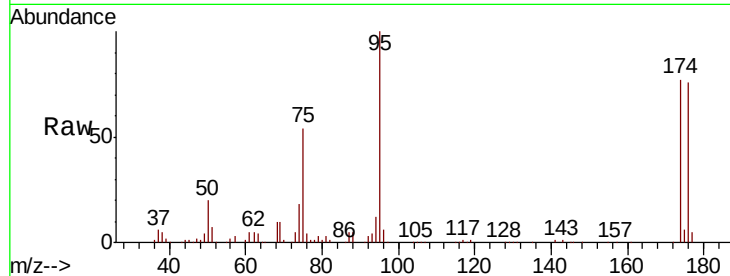
CL-02-110118-D

Tot Ion: 75 Resp: 73202

Ion Ratio Lower Upper

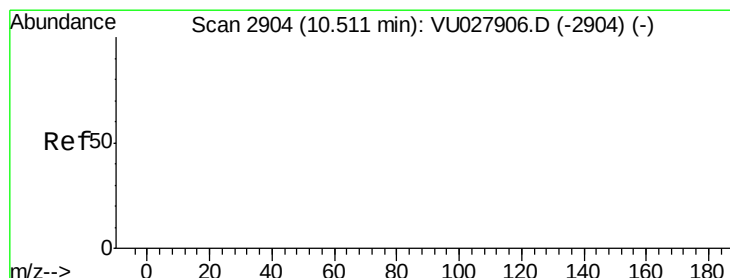
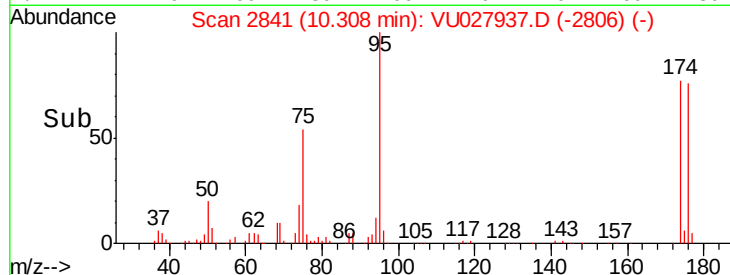
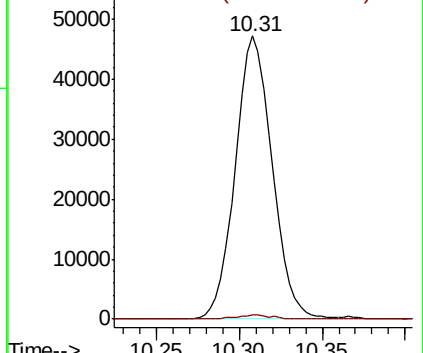
75 100

77 1.4 21.6 64.6#



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: 53.411 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

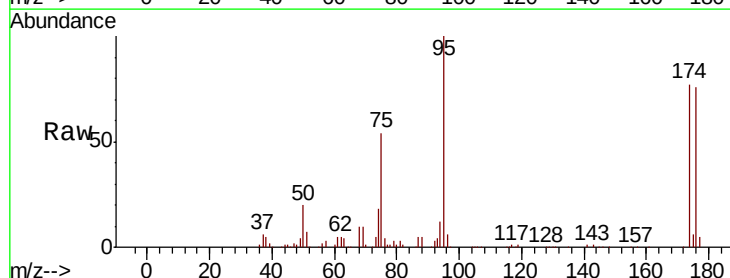
Tgt Ion: 75 Resp: 73202

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

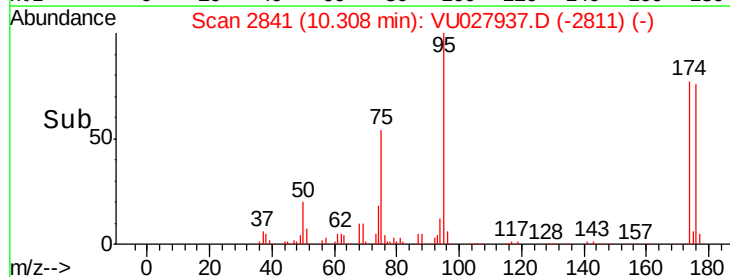
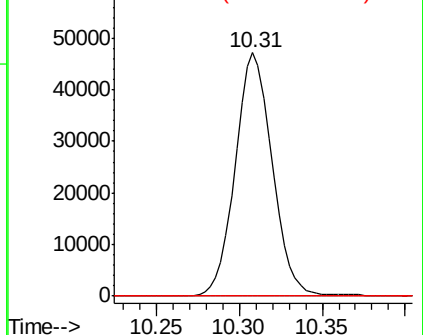
89 0.0 0.0 0.0

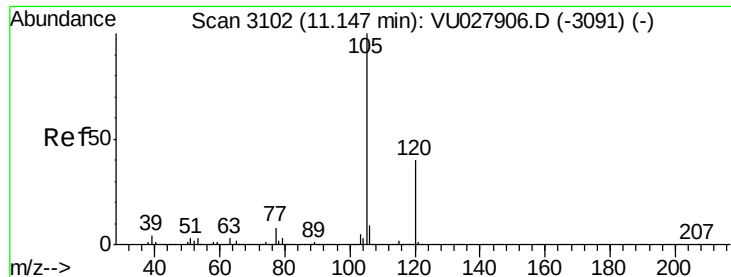


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#84

1,2,4-Trimethylbenzene

Concen: 0.382 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

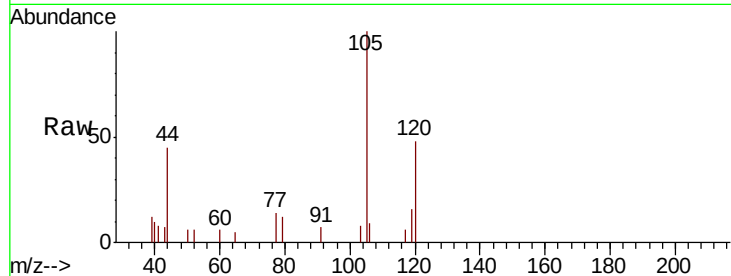
CL-02-110118-D

Tot Ion:105 Resp: 3084

Ion Ratio Lower Upper

105 100

120 45.1 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

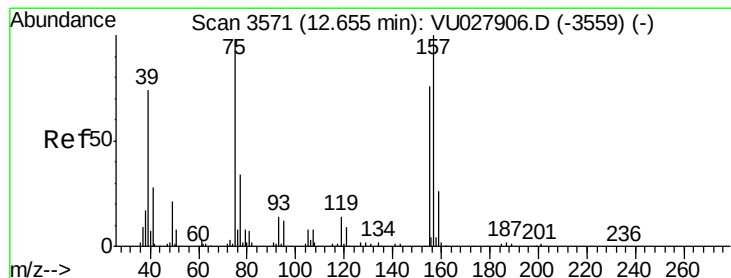
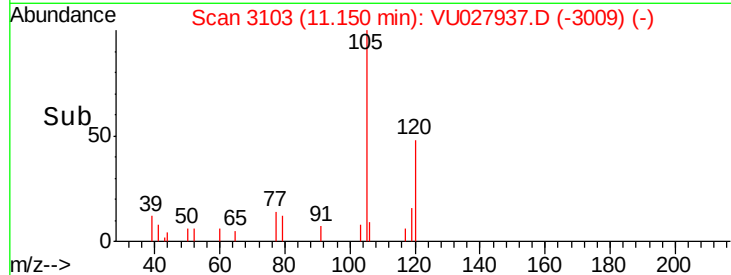
1500

1000

500

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.367 ug/l

RT: 12.48 min Scan# 3517

Delta R.T. -0.17 min

Lab File: VU027937.D

Acq: 02 Nov 2018 19:33

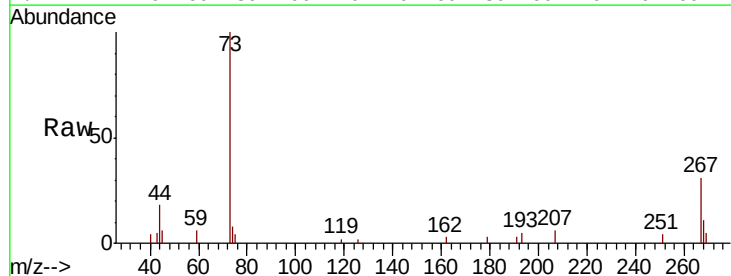
Tgt Ion: 75 Resp: 302

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

300

250

200

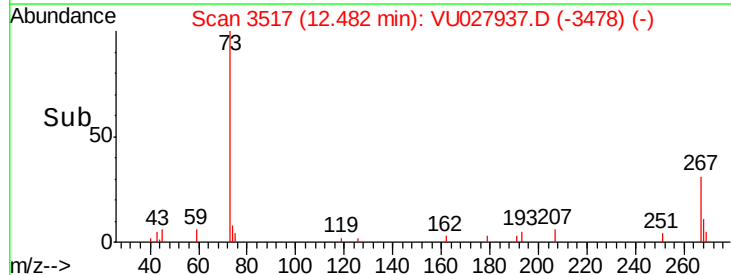
150

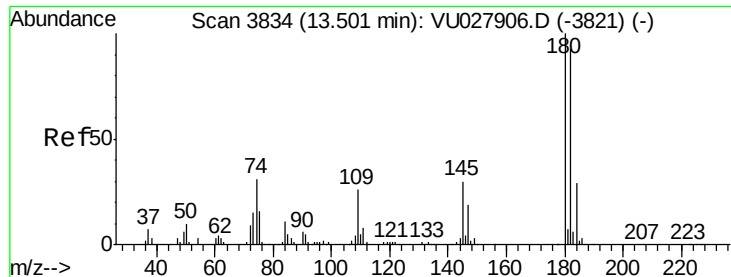
100

50

0

Time-->

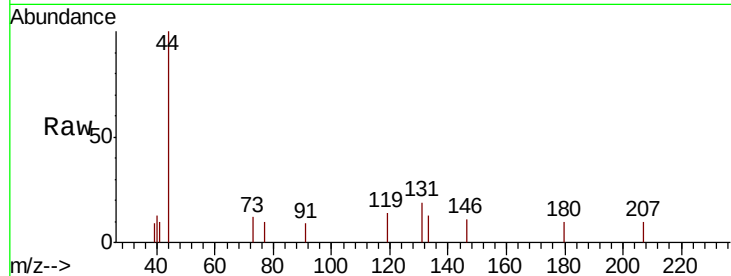




#93
 1,2,4-Trichlorobenzene
 Concen: 0.692 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-02-110118-D

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	48.4	145.2
145	0.0	14.9	44.5#

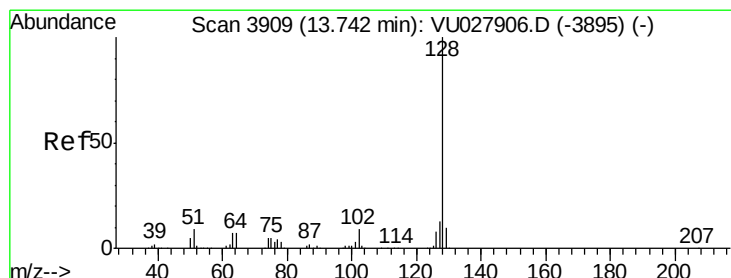
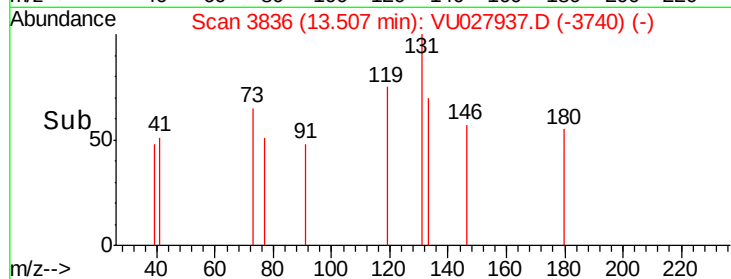
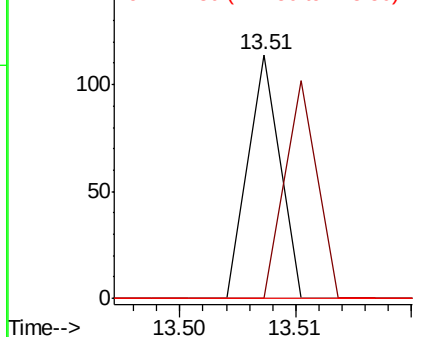


Abundance

Ion 179.80 (179.50 to 180.50): V

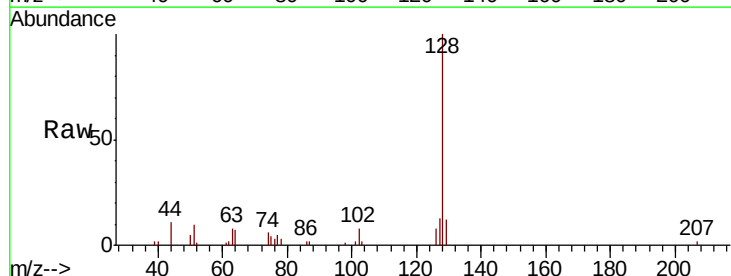
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.885 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027937.D
 Acq: 02 Nov 2018 19:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.4	15.6
129	10.6	8.3	12.5



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

