

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025218.D
 Acq On : 05 Jul 2018 16:14
 Operator : MD/SY
 Sample : J3808-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:14:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303760	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	140509	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	150579	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
35) Dibromofluoromethane	4.89	113	118927	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
50) Toluene-d8	7.57	98	430520	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	10.31	95	156632	42.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.80%	

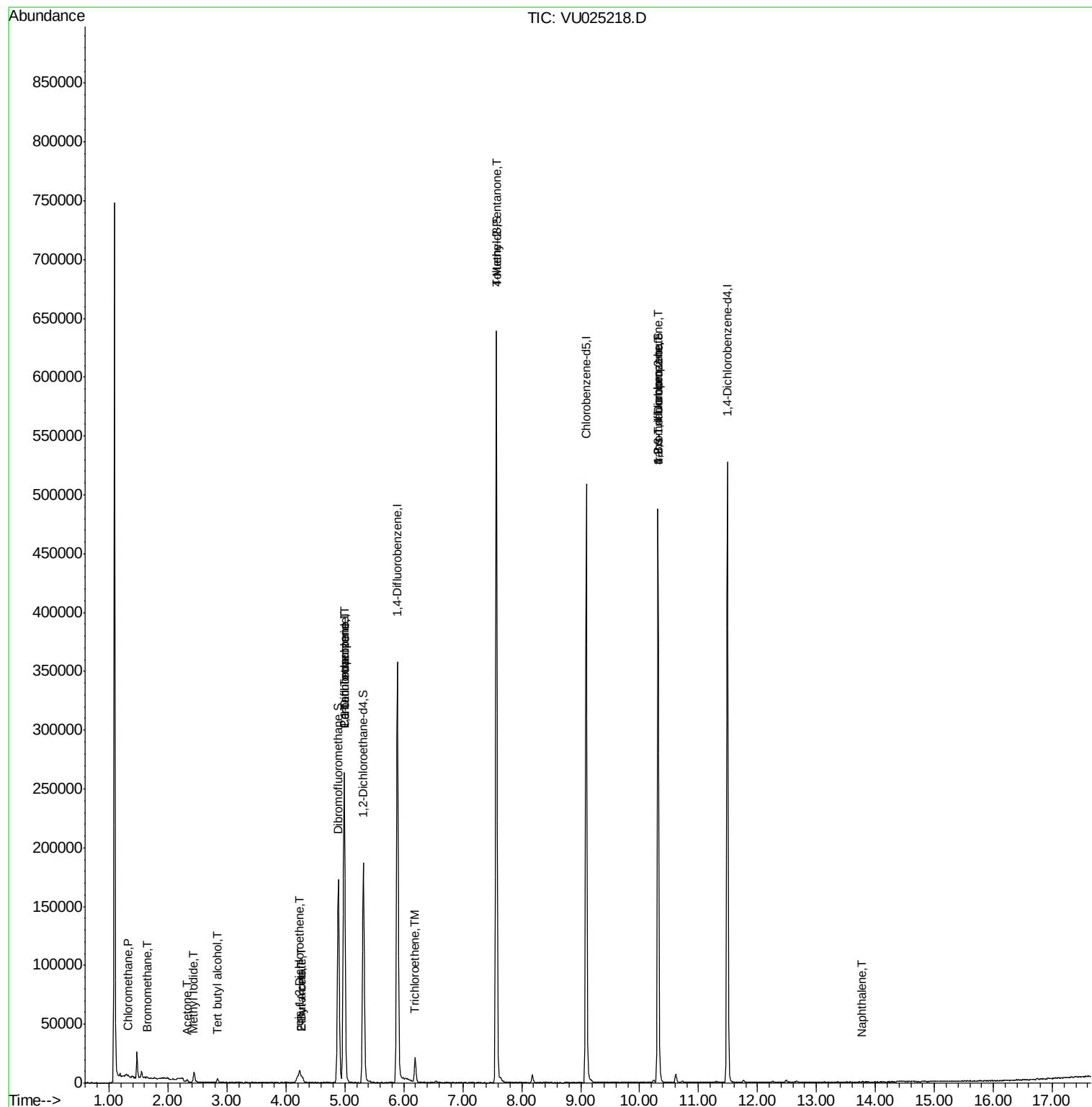
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	678	0.26	ug/l #	81
5) Bromomethane	1.64	94	499	0.39	ug/l #	44
6) Chloroethane	1.70	64	189	Below Cal	#	43
10) Methyl Iodide	2.42	142	47	5.31	ug/l #	40
11) Tert butyl alcohol	2.84	59	1836	2.29	ug/l #	72
16) Acetone	2.33	43	1775	1.00	ug/l	99
25) 2-Butanone	4.27	43	8315	3.49	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	5552	1.90	ug/l	86
31) Cyclohexane	4.99	56	3972	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14756	4.13	ug/l #	51
37) Ethyl Acetate	4.27	43	8315	2.14	ug/l #	70
38) Carbon Tetrachloride	4.99	117	19658	5.01	ug/l #	17
44) Trichloroethene	6.19	130	7303	2.52	ug/l	97
51) 4-Methyl-2-Pentanone	7.56	43	2414	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	82370	26.63	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82370	61.63	ug/l #	100
95) Naphthalene	13.77	128	172	0.70	ug/l #	69

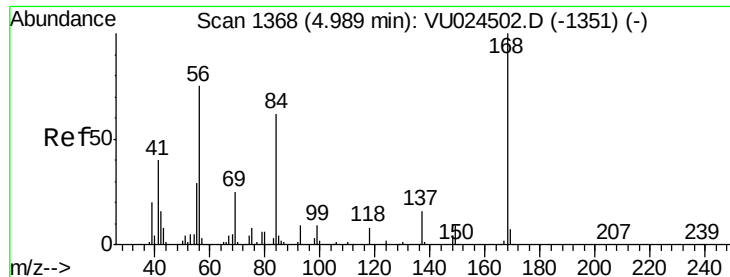
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

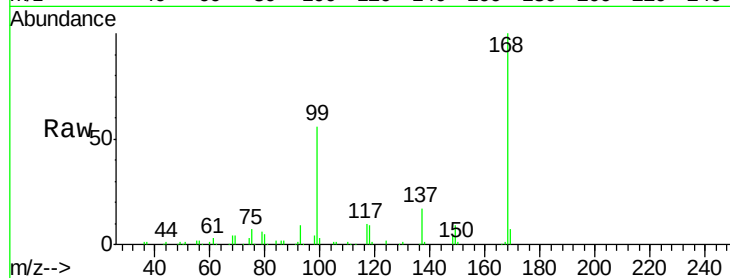
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 202150

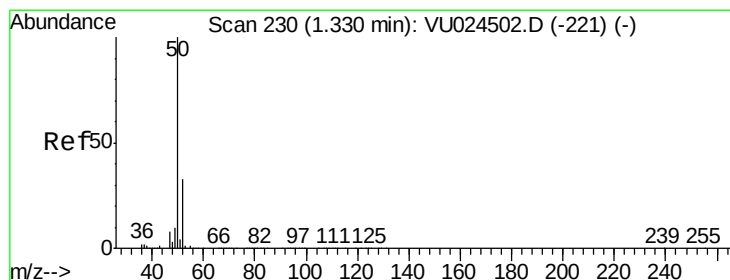
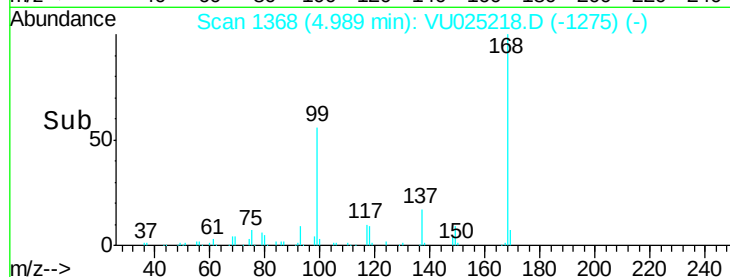
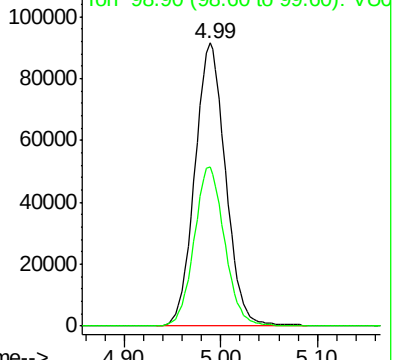
Ion Ratio Lower Upper

168 100

99 56.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025218.D (-1275) (-)



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025218.D

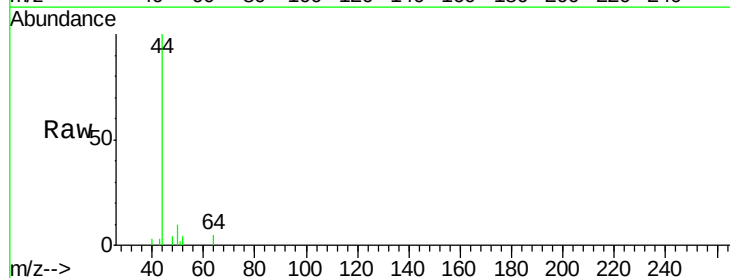
Acq: 05 Jul 2018 16:14

Tgt Ion: 50 Resp: 678

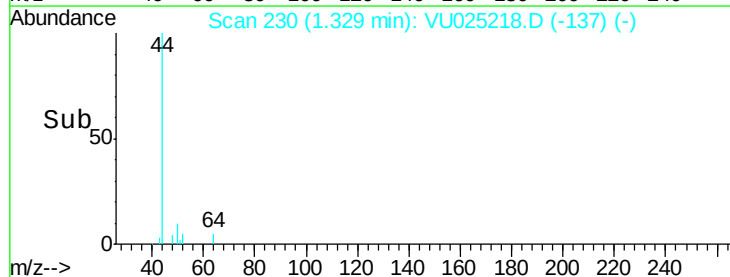
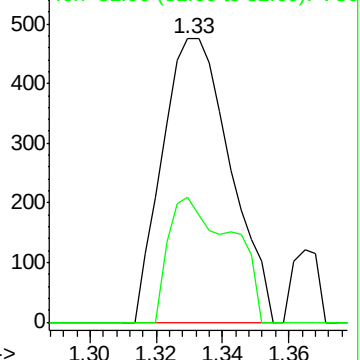
Ion Ratio Lower Upper

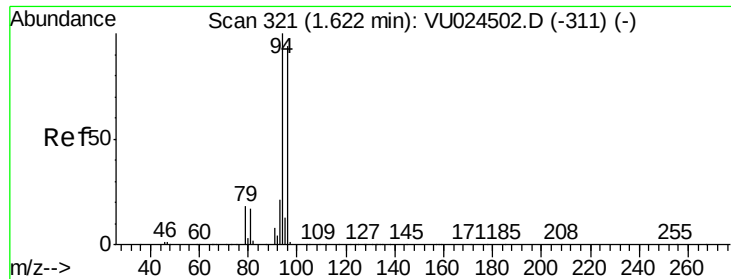
50 100

52 44.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025218.D (-137) (-)





#5

Bromomethane

Concen: 0.39 ug/l

RT: 1.64 min Scan# 328

Delta R.T. 0.02 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

Instrument :

MSVOA_U

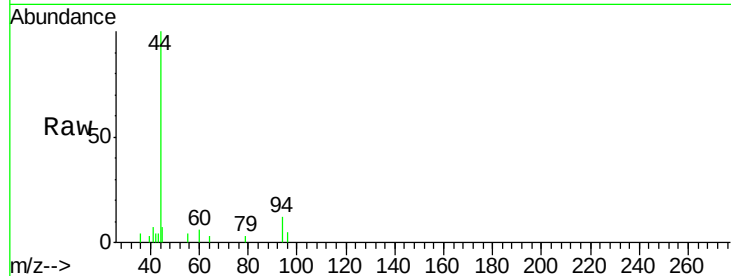
ClientSampled :

Tot Ion: 94 Resp: 499

Ion Ratio Lower Upper

94 100

96 39.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

400

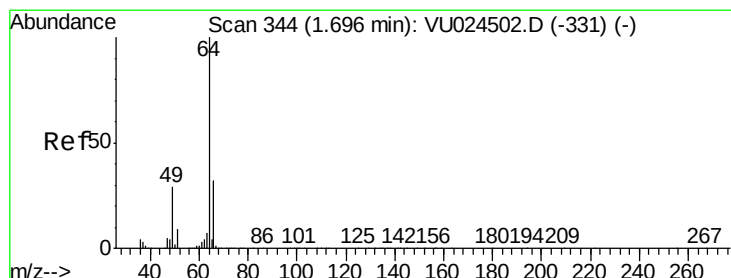
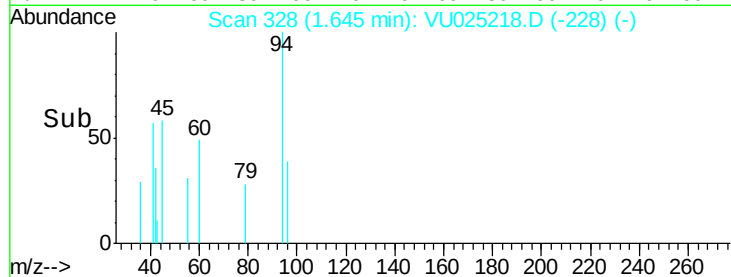
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025218.D

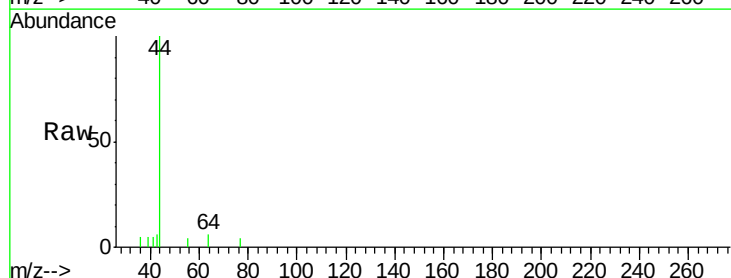
Acq: 05 Jul 2018 16:14

Tgt Ion: 64 Resp: 189

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

200

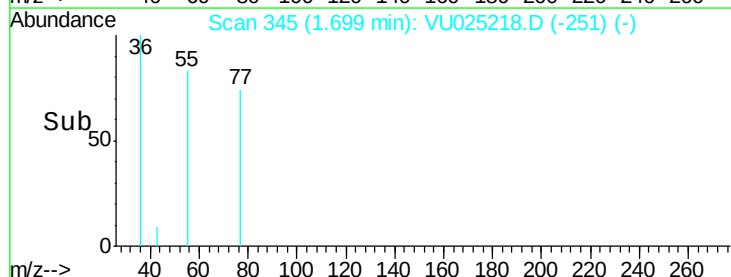
150

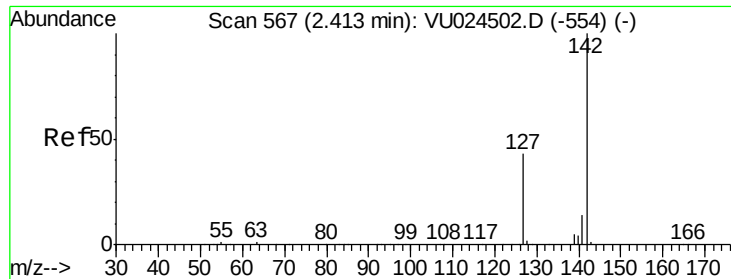
100

50

0

Time-->

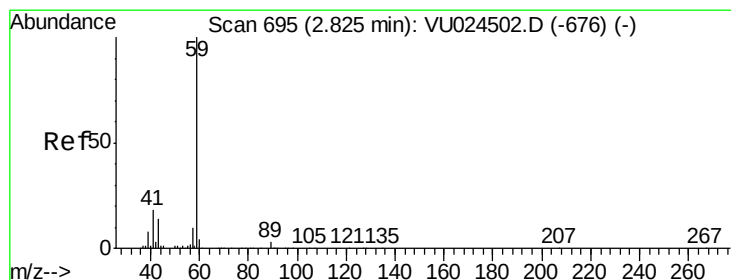
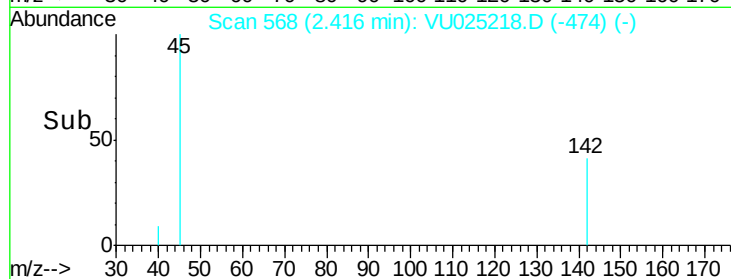
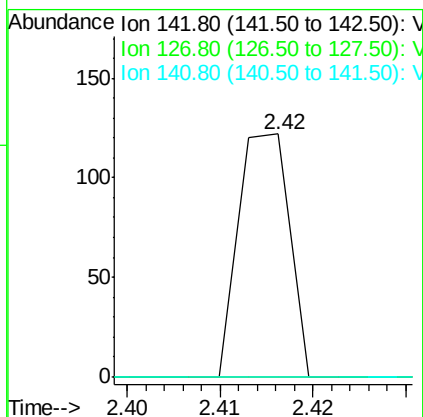
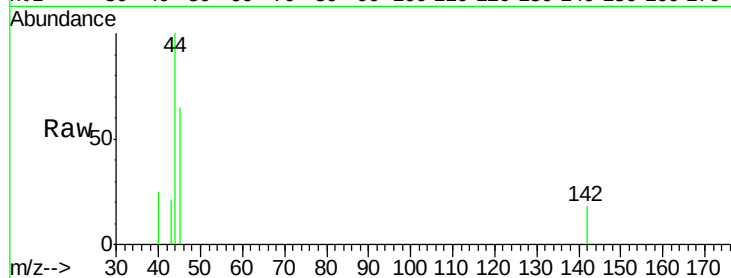




#10
Methvl Iodide
Concen: 5.31 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

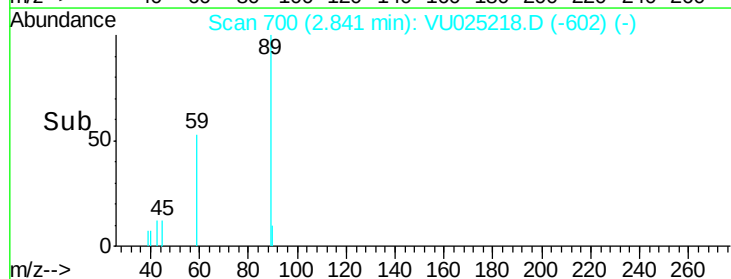
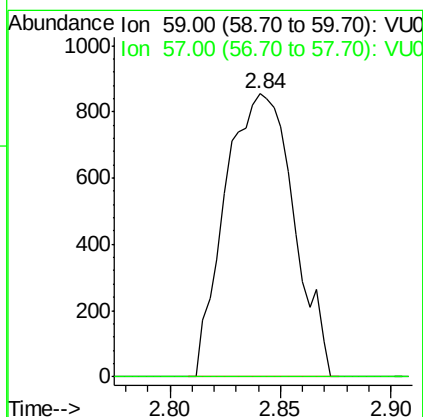
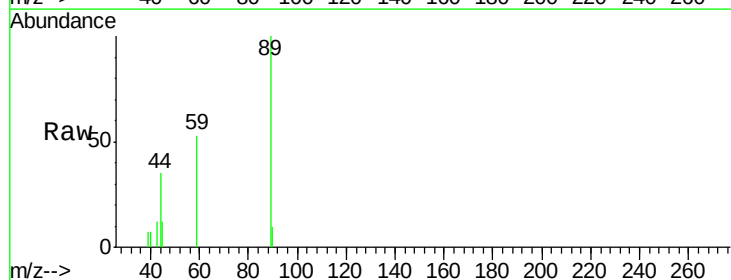
Instrument :
MSVOA_U
ClientSampleId :

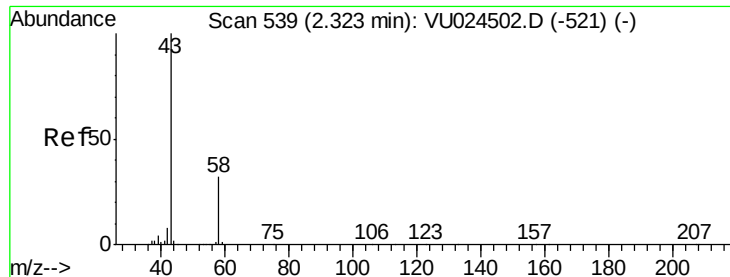
Tot Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.29 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

Tgt Ion: 59 Resp: 1836
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 1.00 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

Instrument :

MSVOA_U

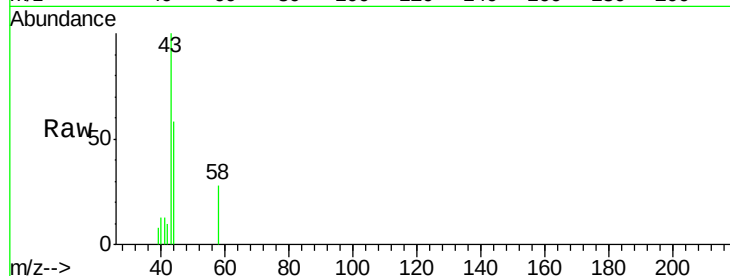
ClientSampleId :

Tot Ion: 43 Resp: 1775

Ion Ratio Lower Upper

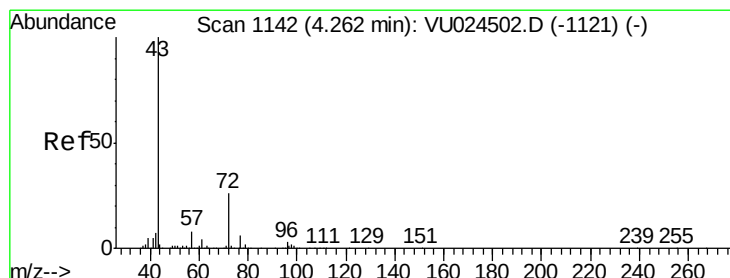
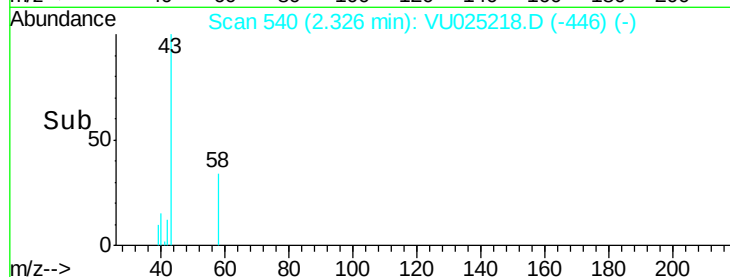
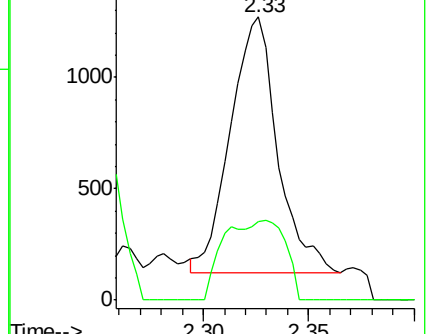
43 100

58 30.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

2-Butanone

Concen: 3.49 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025218.D

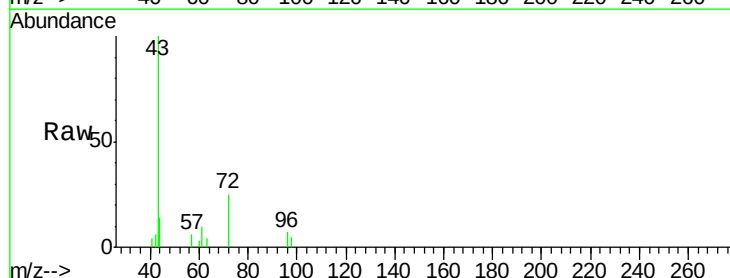
Acq: 05 Jul 2018 16:14

Tgt Ion: 43 Resp: 8315

Ion Ratio Lower Upper

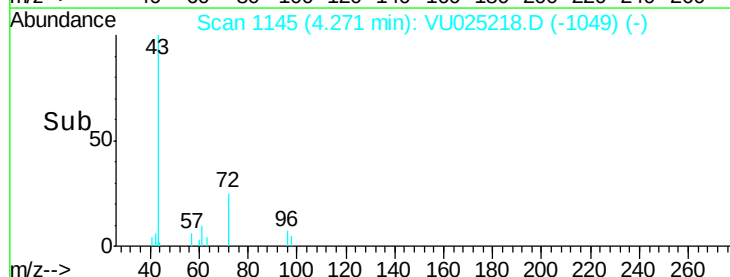
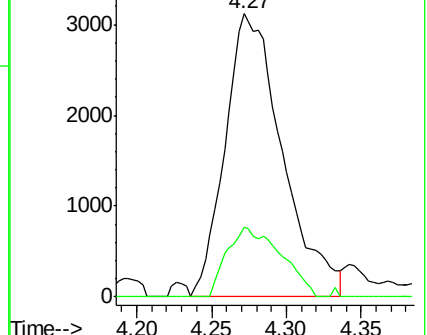
43 100

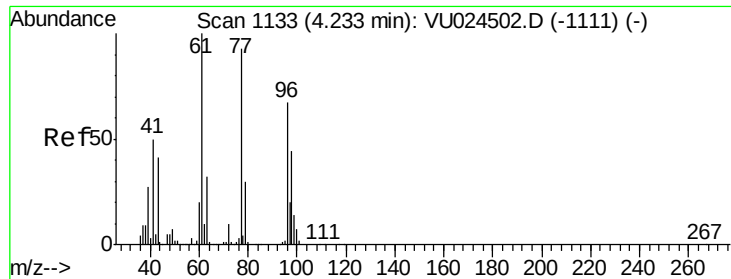
72 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

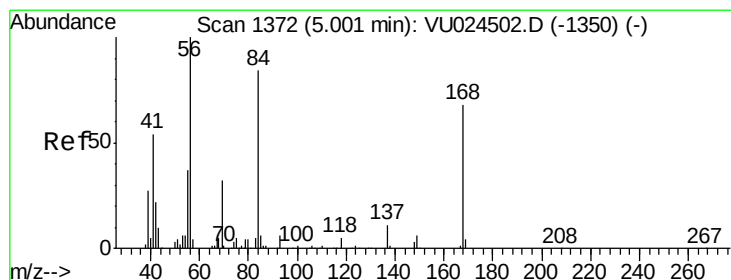
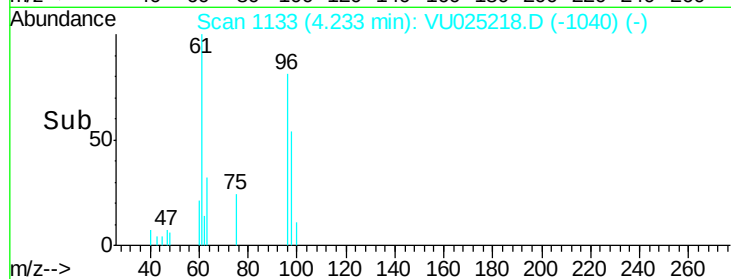
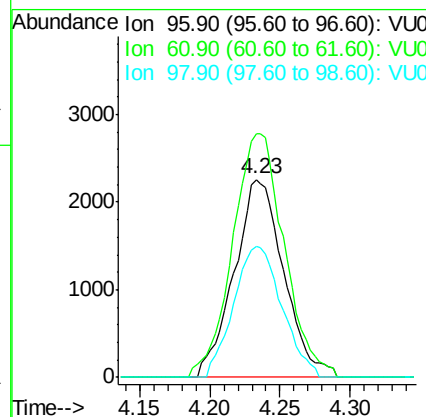
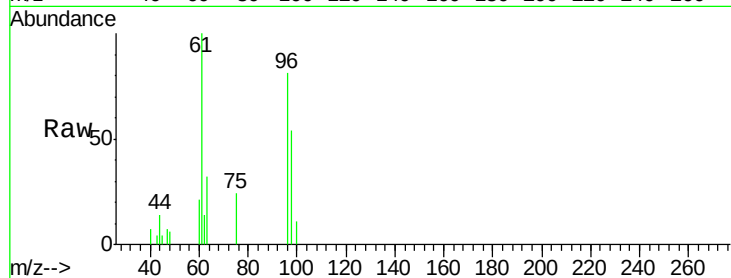




#27
 cis-1,2-Dichloroethene
 Concen: 1.90 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

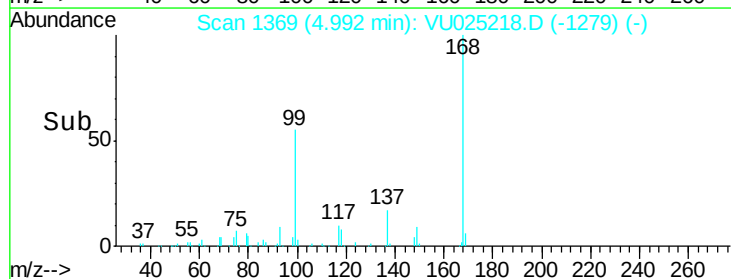
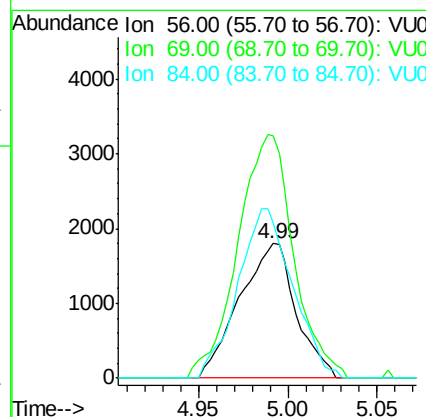
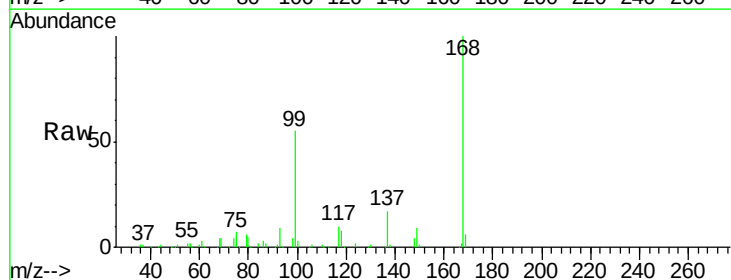
Instrument :
 MSVOA_U
 ClientSampleId :

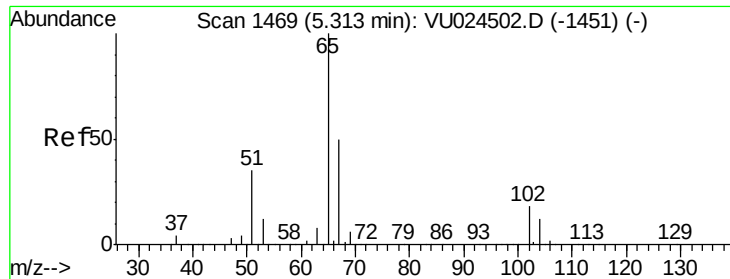
Tot Ion: 96 Resp: 5552
 Ion Ratio Lower Upper
 96 100
 61 128.0 0.0 306.6
 98 64.4 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.01 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

Tgt Ion: 56 Resp: 3972
 Ion Ratio Lower Upper
 56 100
 69 173.8 24.8 37.2#
 84 115.9 65.2 97.8#

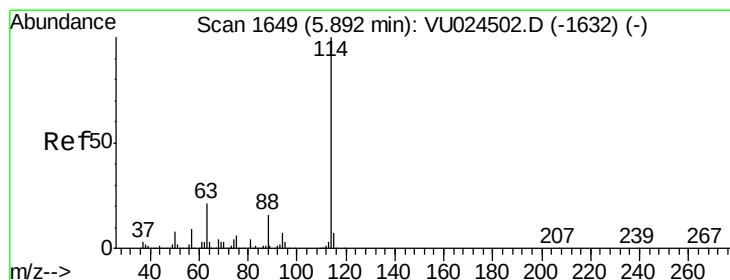
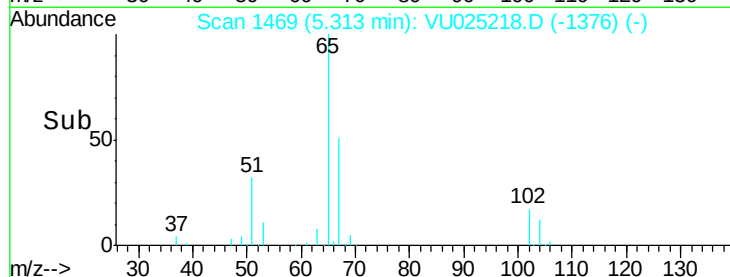
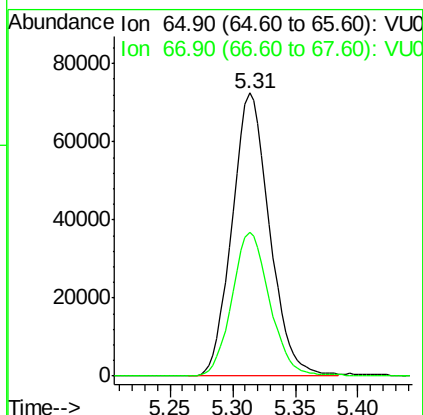
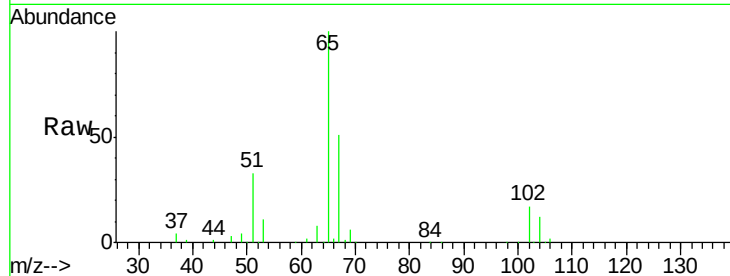




#33
 1,2-Dichloroethane-d4
 Concen: 45.63 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

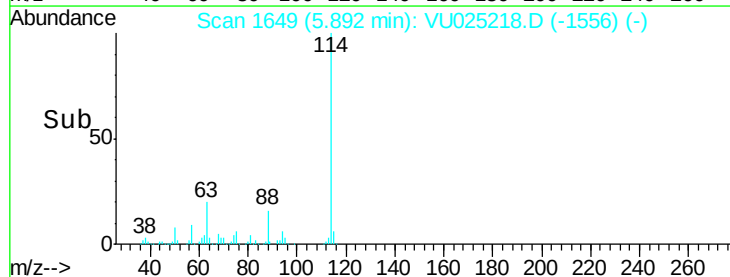
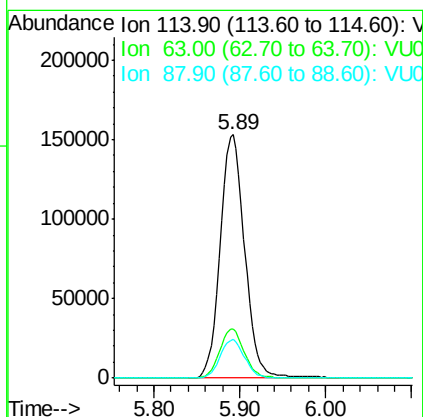
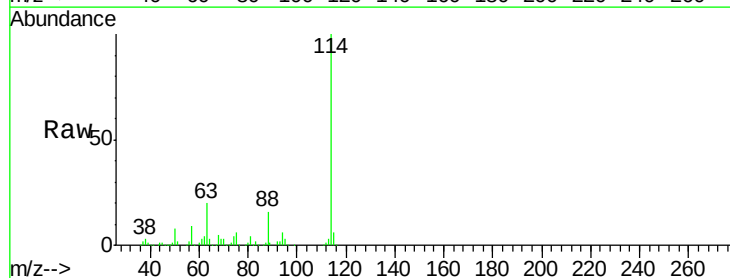
Instrument :
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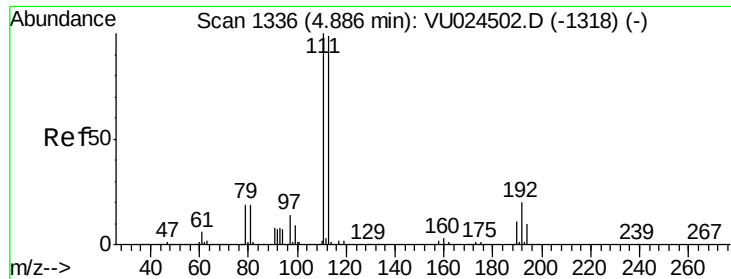
Tot Ion: 65 Resp: 150579
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

Tgt Ion: 114 Resp: 303760
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 15.9 0.0 31.0

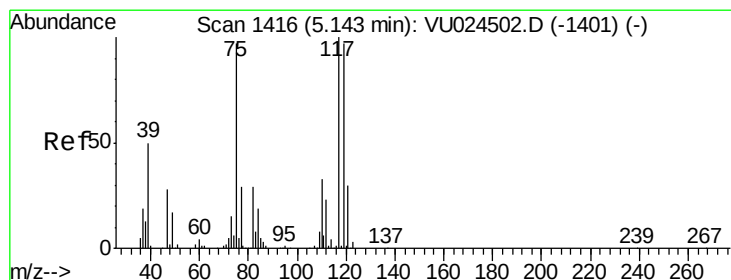
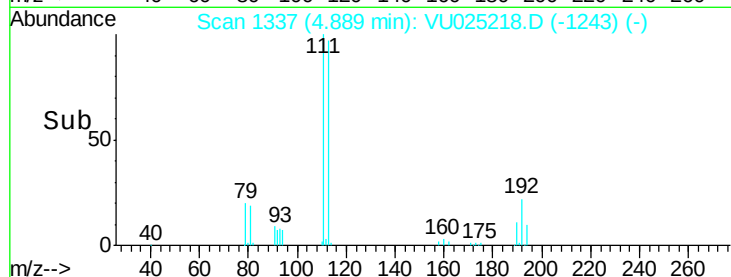
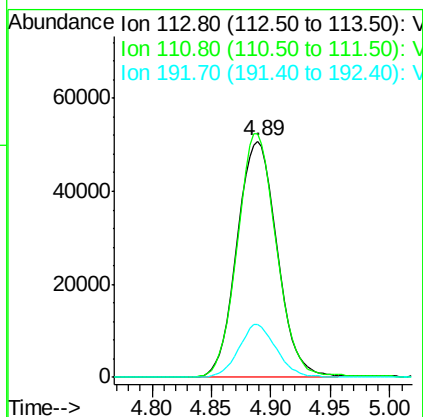
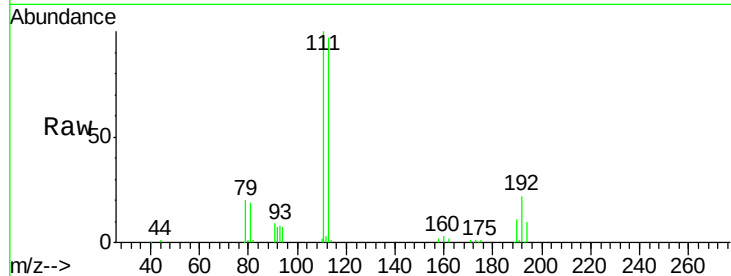




#35
 Dibromofluoromethane
 Concen: 47.18 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

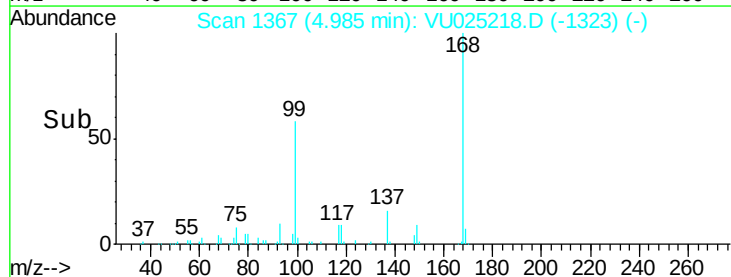
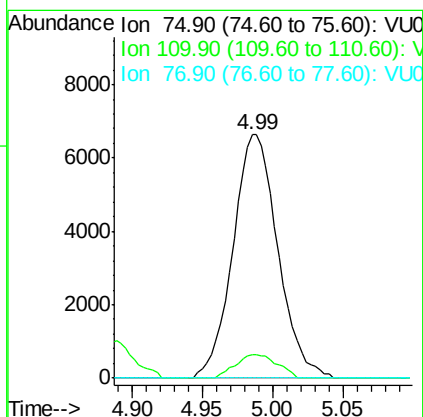
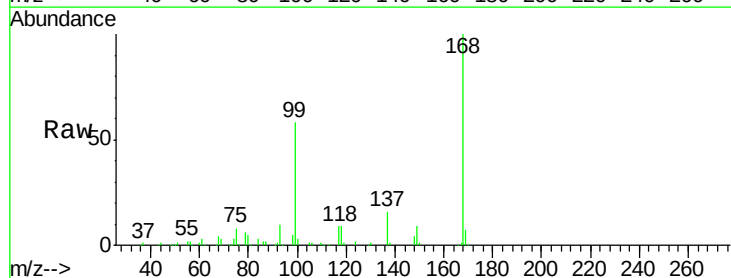
Instrument :
 MSVOA_U
 ClientSampleId :

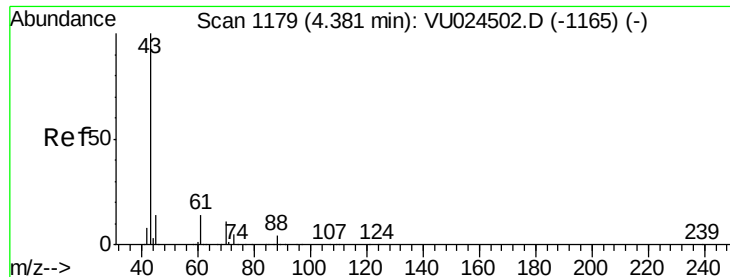
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.2	123.4
192	20.9	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.13 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.2	36.4#

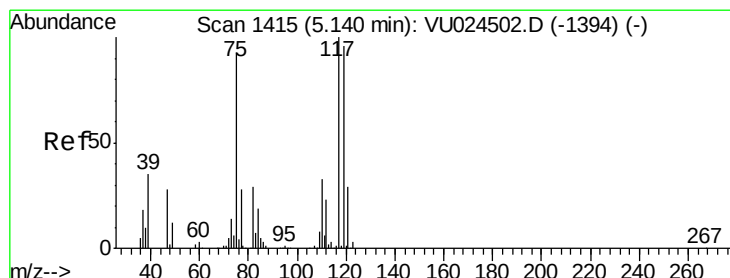
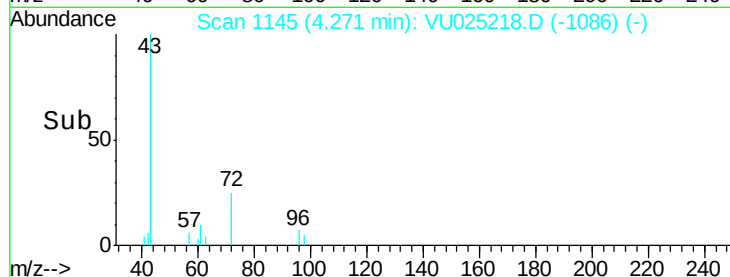
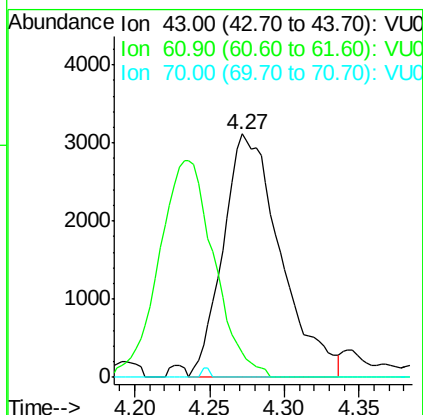
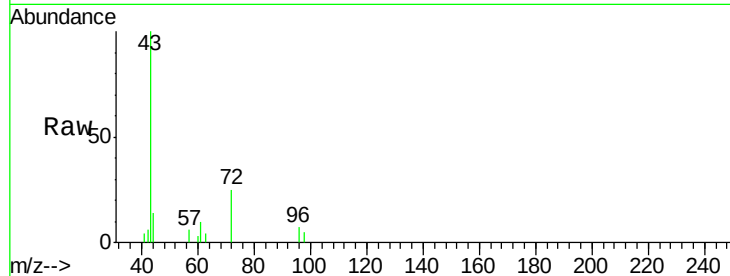




#37
Ethyl Acetate
Concen: 2.14 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. -0.11 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

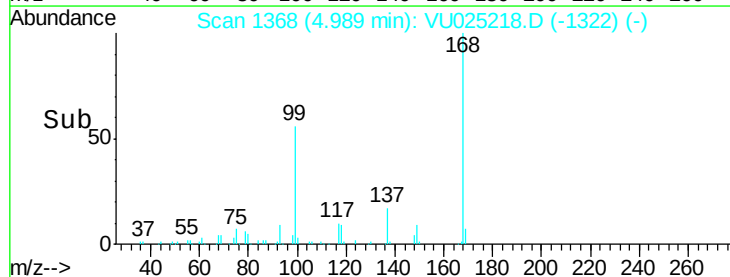
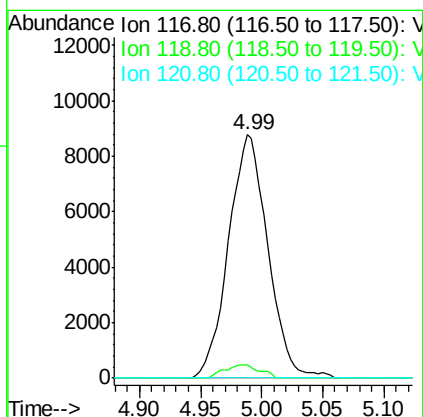
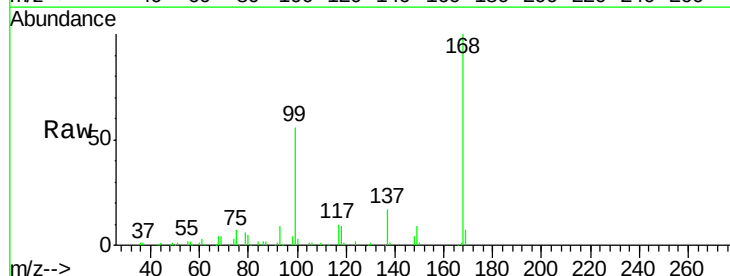
Instrument :
MSVOA_U
ClientSampleId :

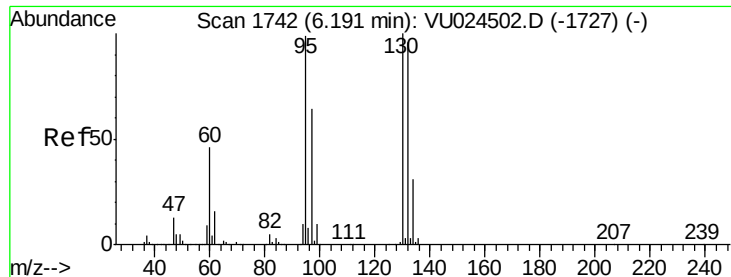
Tot Ion	43	Resp	8315
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.5	15.7#
70	0.0	7.4	11.2#



#38
Carbon Tetrachloride
Concen: 5.01 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

Tgt Ion	117	Resp	19658
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.1	114.1#
121	0.0	23.7	35.5#





#44

Trichloroethene

Concen: 2.52 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

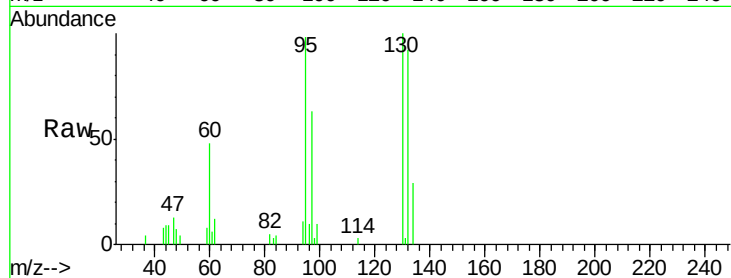
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:130 Resp: 7303

Ion Ratio Lower Upper

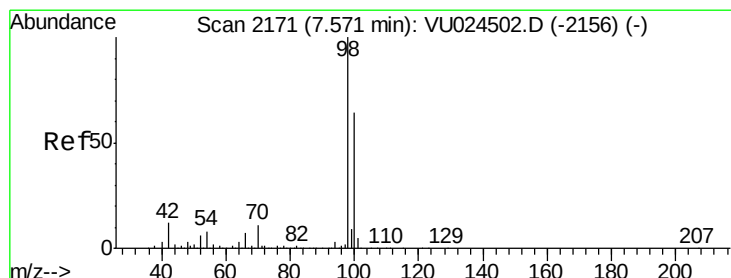
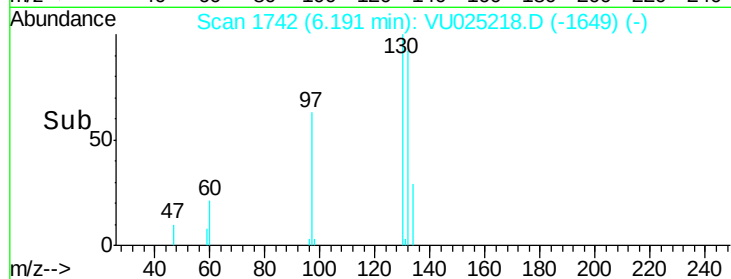
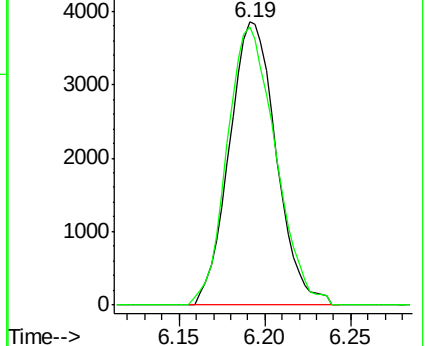
130 100

95 98.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 46.82 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025218.D

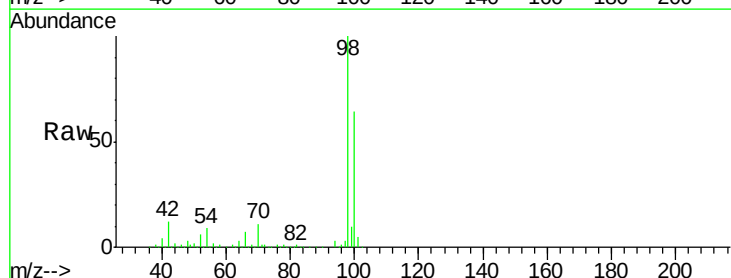
Acq: 05 Jul 2018 16:14

Tgt Ion: 98 Resp: 430520

Ion Ratio Lower Upper

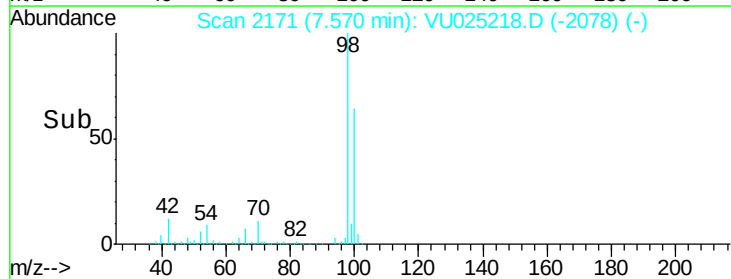
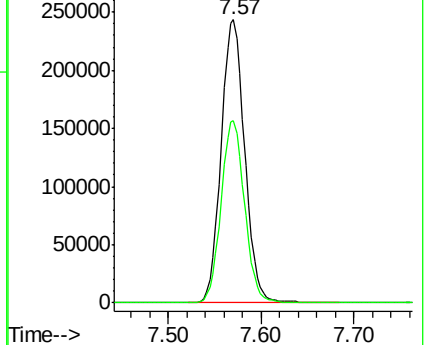
98 100

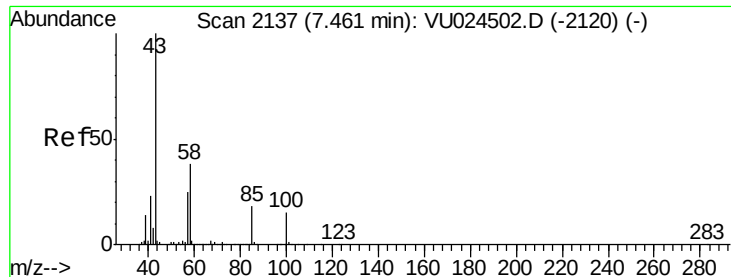
100 63.8 51.1 76.7



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: 0.57 ug/l

RT: 7.56 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

Instrument :

MSVOA_U

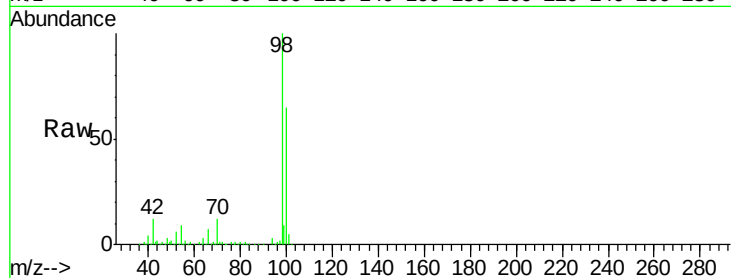
ClientSampled :

Tot Ion: 43 Resp: 2414

Ion Ratio Lower Upper

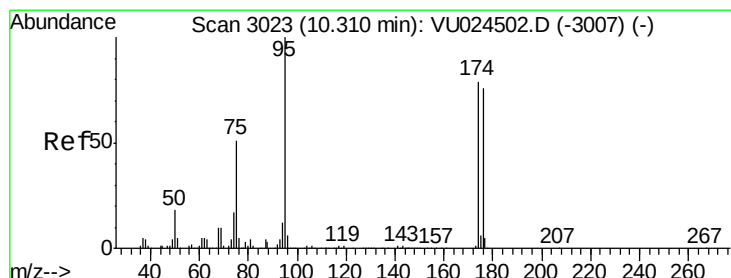
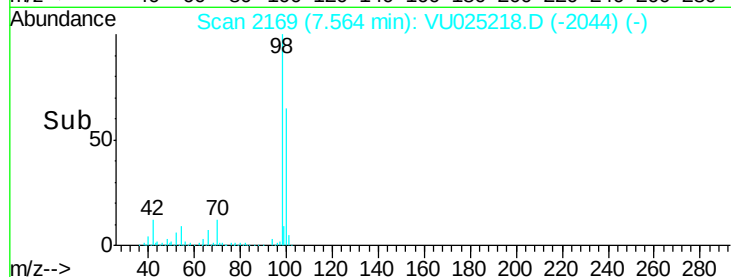
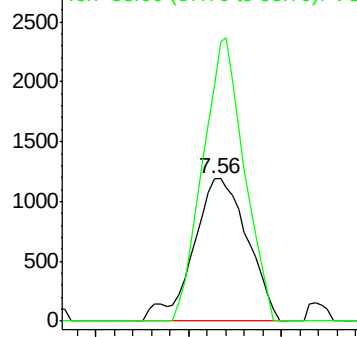
43 100

58 152.2 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 42.90 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

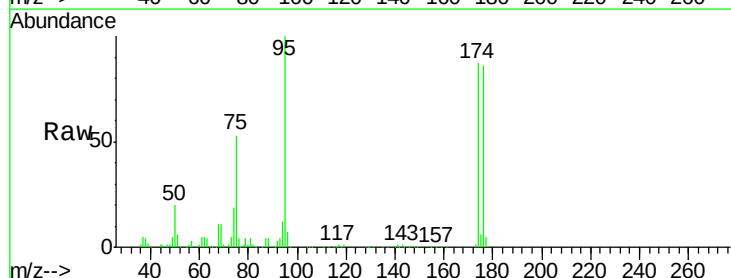
Tgt Ion: 95 Resp: 156632

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

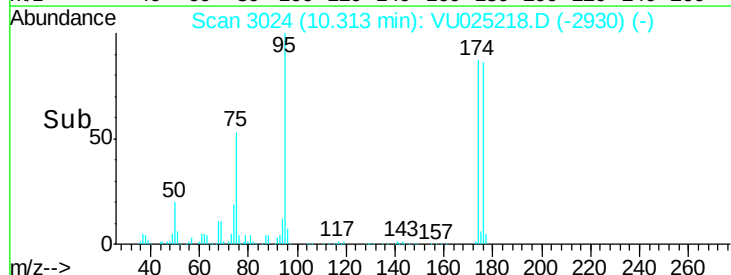
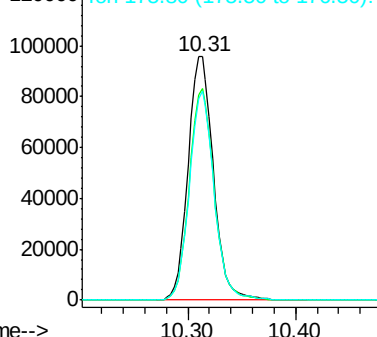
176 83.8 0.0 159.4

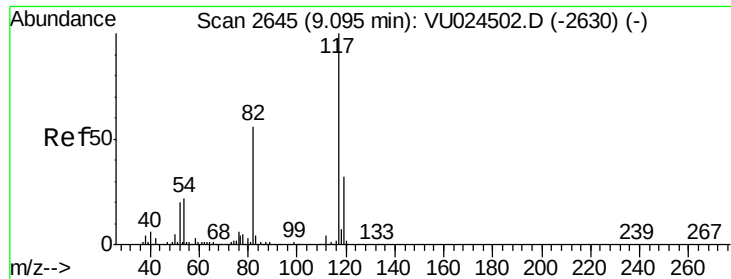


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

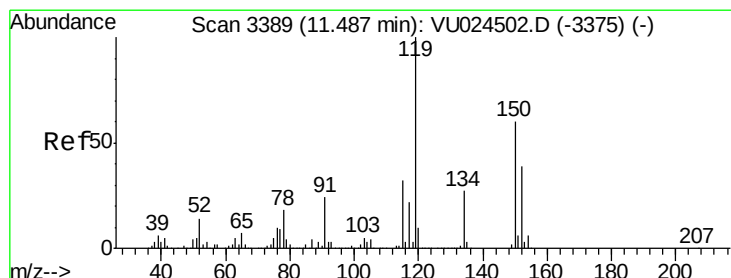
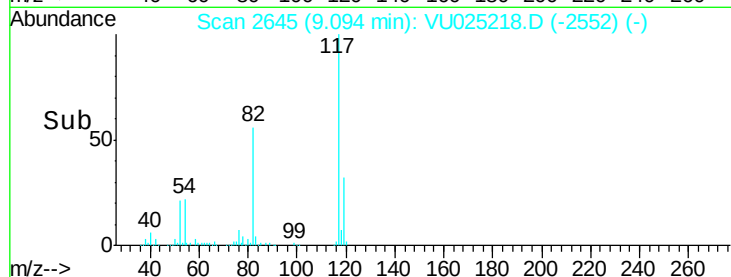
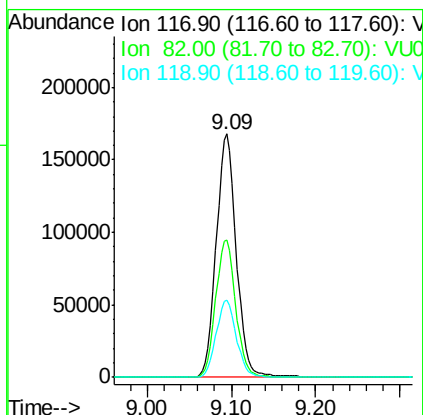
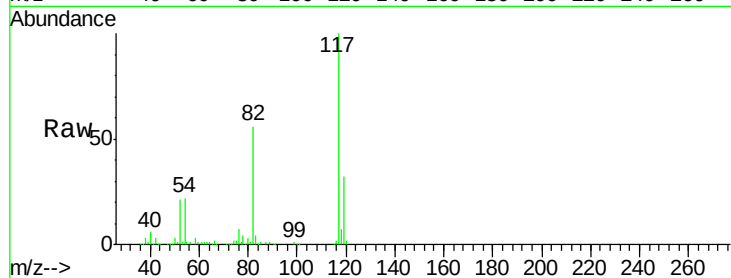




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

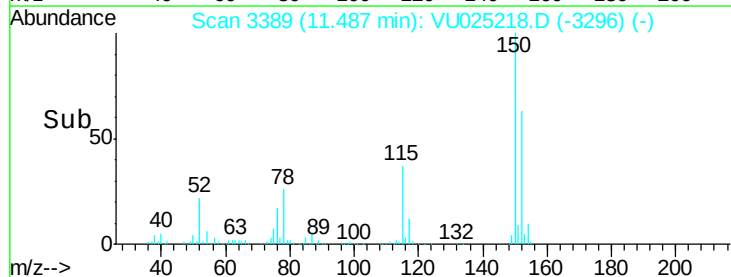
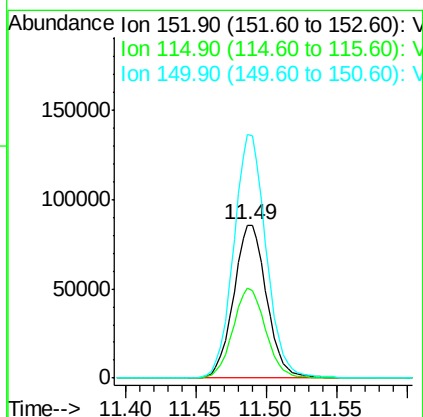
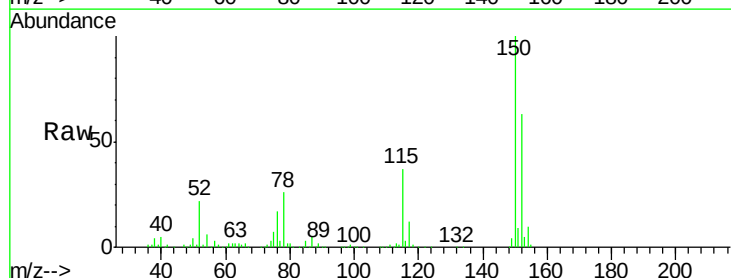
Instrument :
MSVOA_U
ClientSampleId :

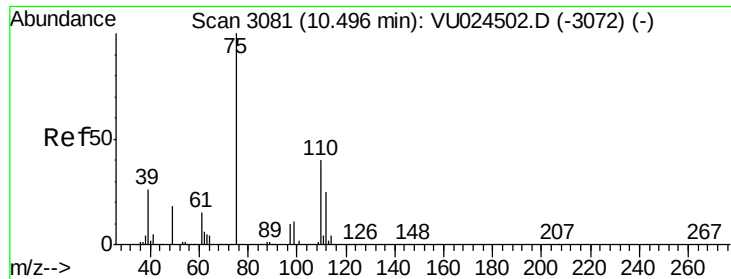
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	31.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025218.D
Acq: 05 Jul 2018 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	43.0	129.0
150	157.0	0.0	354.0

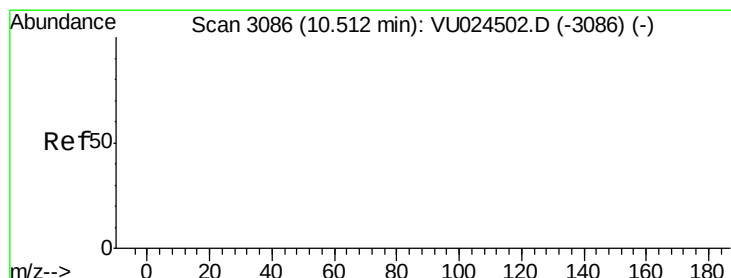
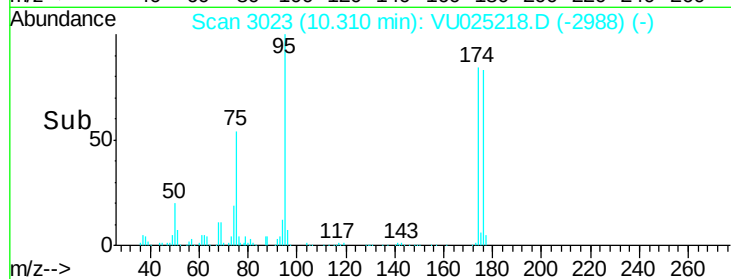
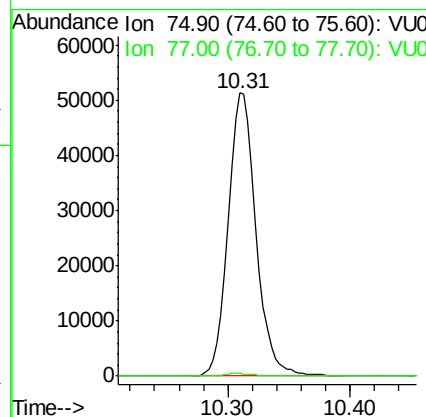
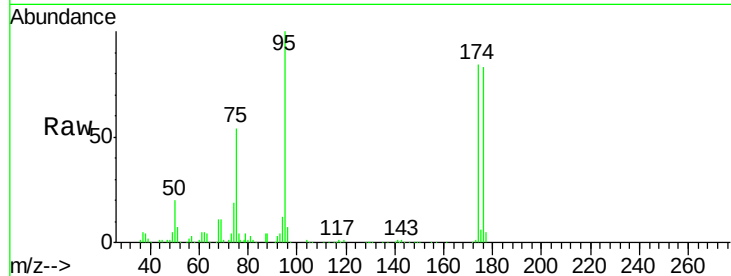




#76
 1,2,3-Trichloropropane
 Concen: 26.63 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

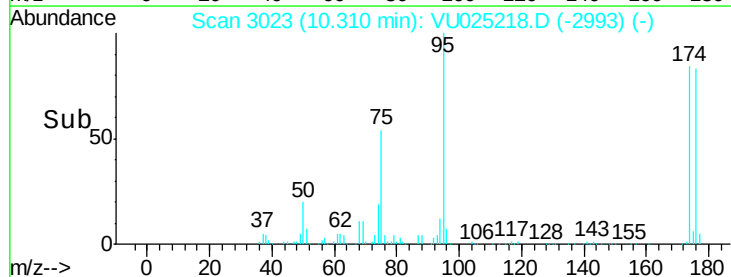
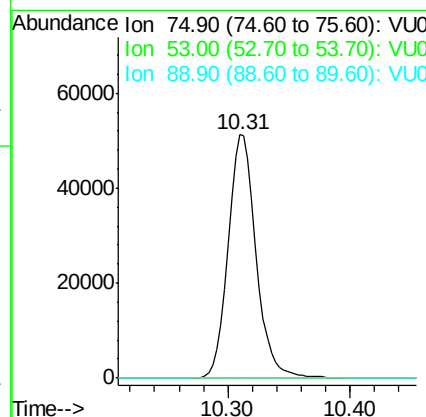
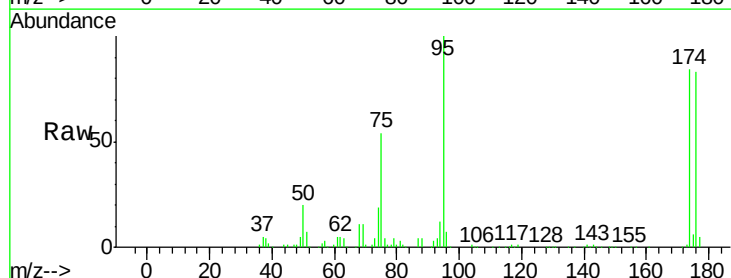
Instrument :
 MSVOA_U
 ClientSampleId :

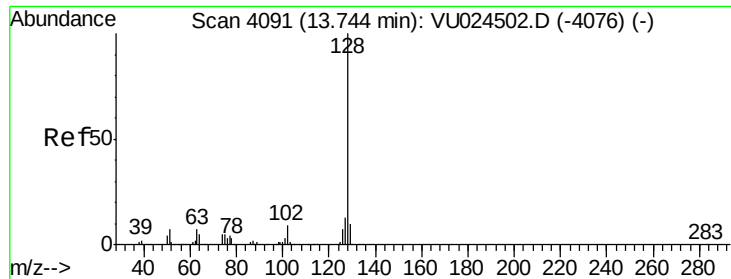
Tot Ion: 75 Resp: 82370
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.63 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025218.D
 Acq: 05 Jul 2018 16:14

Tgt Ion: 75 Resp: 82370
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.70 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

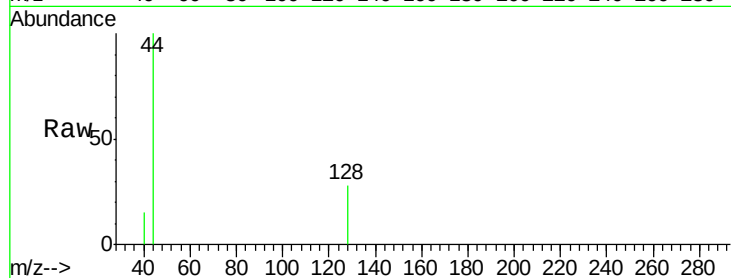
Lab File: VU025218.D

Acq: 05 Jul 2018 16:14

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	172
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

