

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002311.D
 Acq On : 05 Jun 2018 17:44
 Operator : JC/MD
 Sample : J3268-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:32:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	158002	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	5.51	113	115134	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
50) Toluene-d8	8.72	98	465920	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	11.14	95	153108	40.34	ug/l	0.00
Spiked Amount			Recovery	=	80.68%	

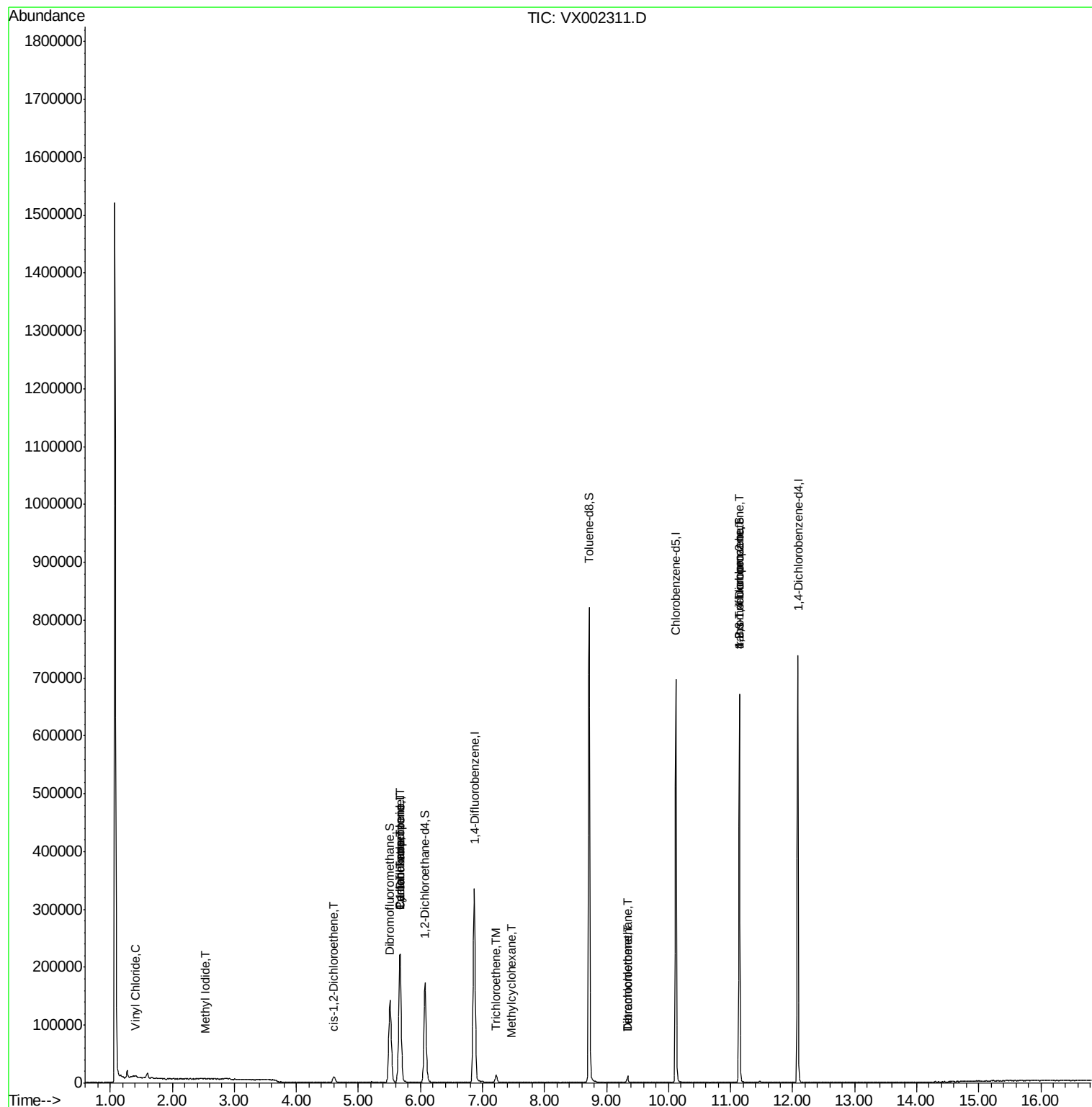
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	478	Below Cal		89
4) Vinyl Chloride	1.41	62	1557	0.54 ug/l	#	88
5) Bromomethane	1.61	94	217	Below Cal	#	38
8) Diethyl Ether	2.17	74	62	Below Cal		58
10) Methyl Iodide	2.53	142	1062	0.32 ug/l	#	94
11) Tert butyl alcohol	3.03	59	144	Below Cal	#	1
13) Acrolein	2.31	56	199	Below Cal	#	47
15) Acrylonitrile	3.15	53	111	Below Cal	#	25
16) Acetone	2.45	43	732	Below Cal	#	46
18) Methyl Acetate	2.78	43	578	Below Cal	#	78
19) Methyl tert-butyl Ether	3.20	73	67	Below Cal	#	1
20) Methylene Chloride	2.87	84	409	Below Cal	#	52
22) Diisopropyl ether	3.88	45	92	Below Cal	#	35
27) cis-1,2-Dichloroethene	4.60	96	5433	1.94 ug/l		83
28) Bromochloromethane	5.02	49	71	Below Cal	#	13
31) Cyclohexane	5.67	56	4808	1.21 ug/l	#	34
36) 1,1-Dichloropropene	5.67	75	15591	4.54 ug/l	#	52
38) Carbon Tetrachloride	5.67	117	20390	5.68 ug/l	#	14
39) Methylcyclohexane	7.46	83	26	0.27 ug/l	#	73
44) Trichloroethene	7.22	130	4813	1.65 ug/l		99
60) Dibromochloromethane	9.34	129	1912	0.69 ug/l	#	11
64) Tetrachloroethene	9.34	164	2204	0.73 ug/l		89
76) 1,2,3-Trichloropropane	11.14	75	84275	25.37 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84275	88.94 ug/l	#	7

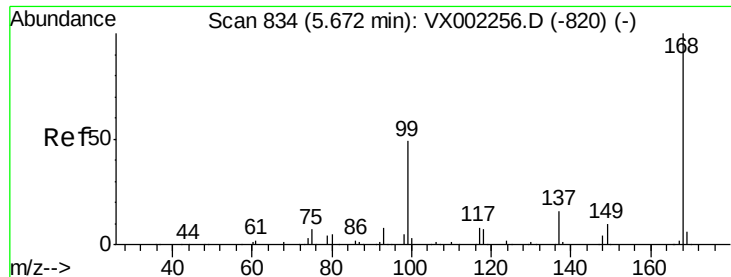
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

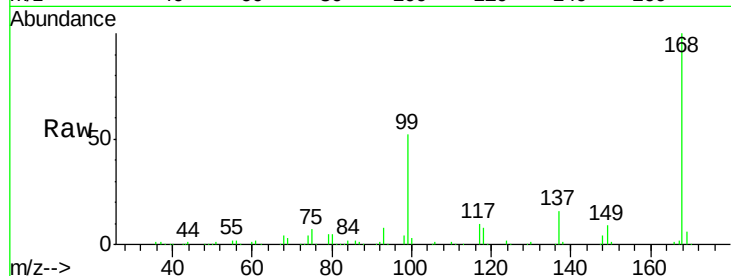
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 219285

Ion Ratio Lower Upper

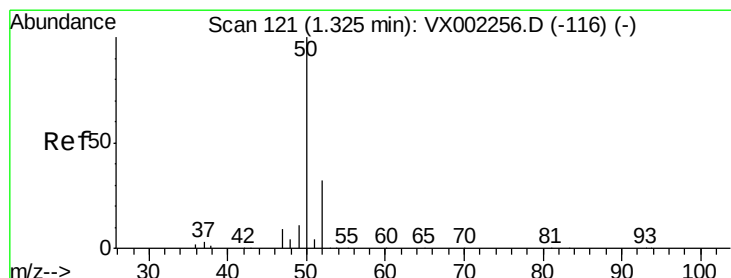
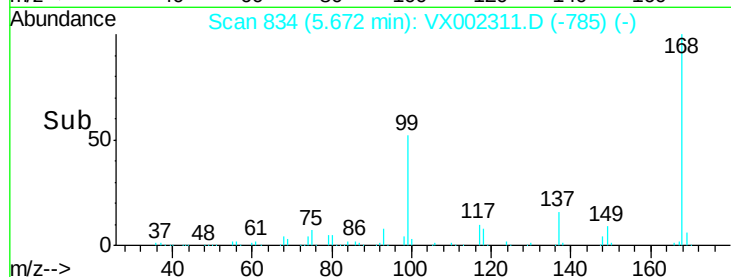
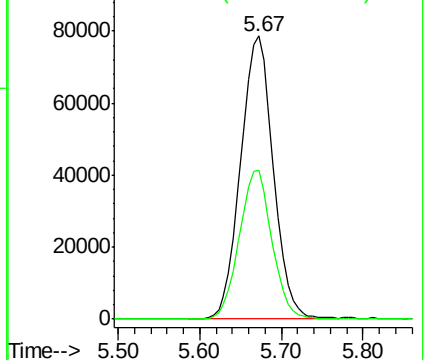
168 100

99 52.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002311.D

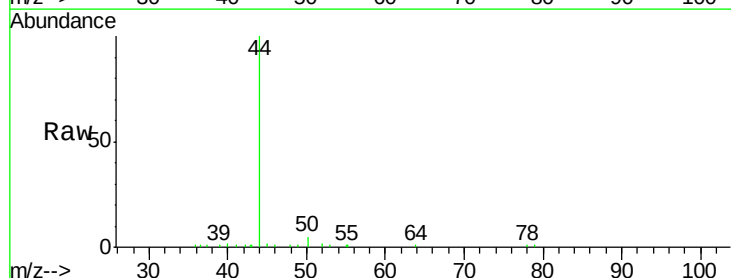
Acq: 05 Jun 2018 17:44

Tgt Ion: 50 Resp: 478

Ion Ratio Lower Upper

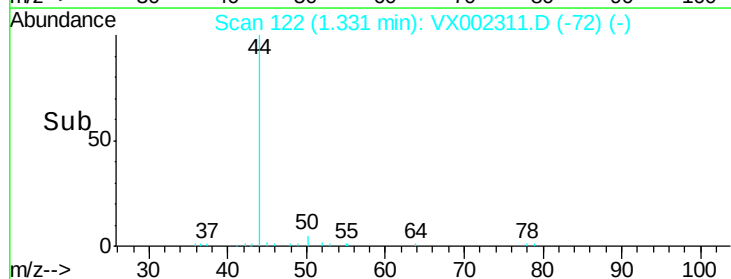
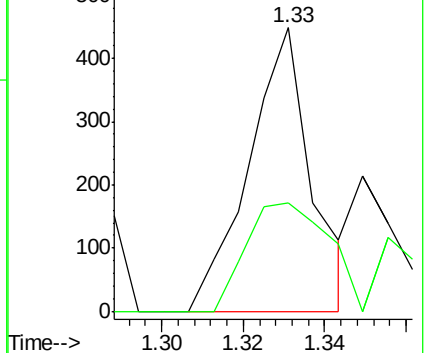
50 100

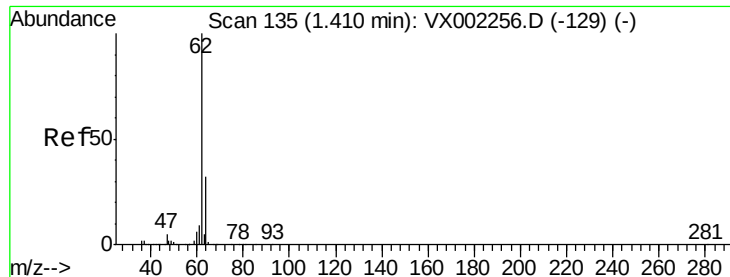
52 38.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.54 ua/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :

MSVOA_X

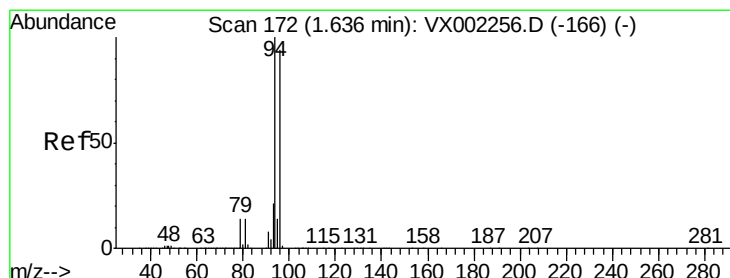
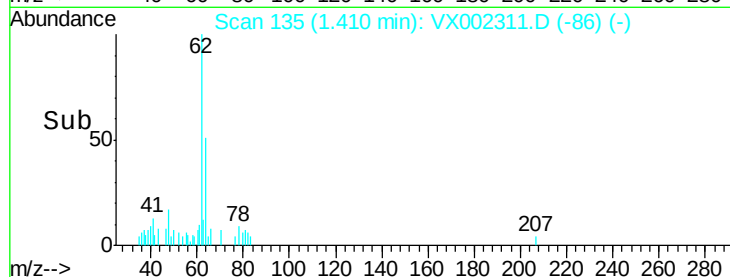
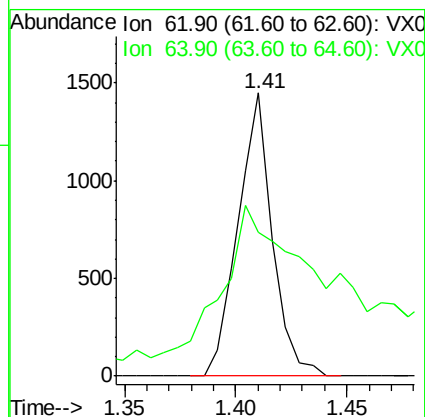
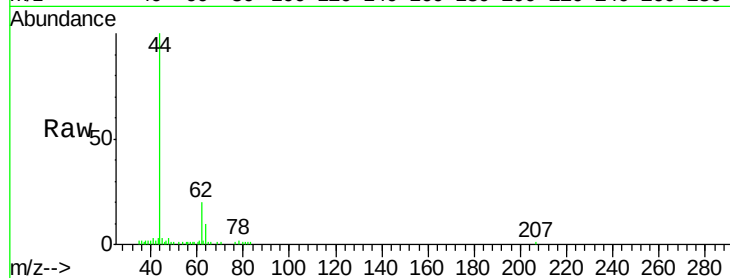
ClientSampled :

Tot Ion: 62 Resp: 1557

Ion Ratio Lower Upper

62 100

64 38.4 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX002311.D

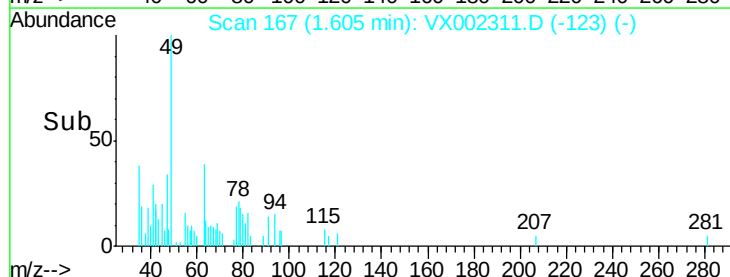
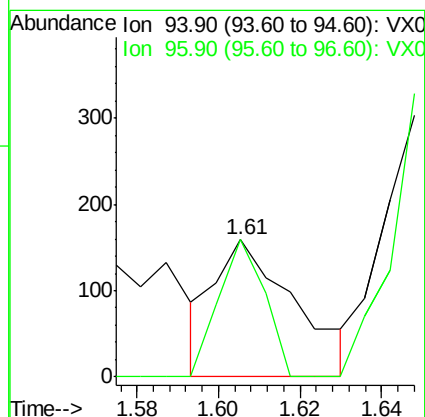
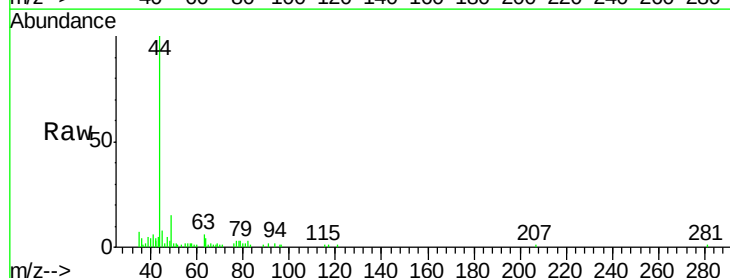
Acq: 05 Jun 2018 17:44

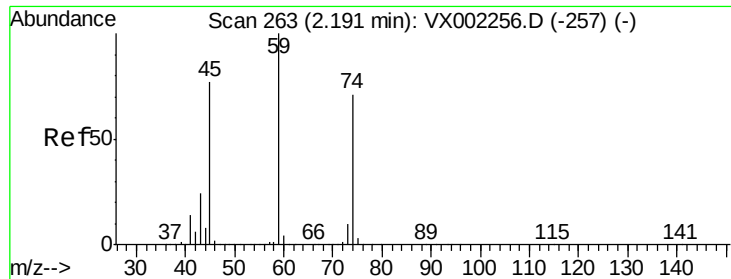
Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 152.9 74.9 112.3#

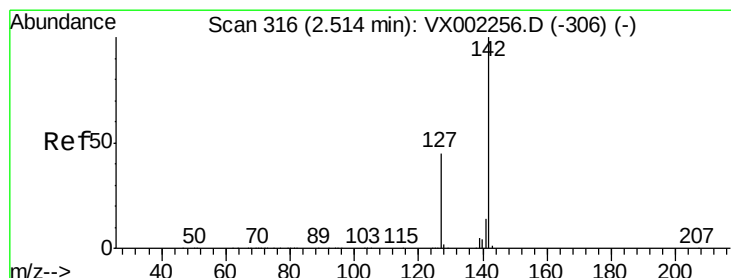
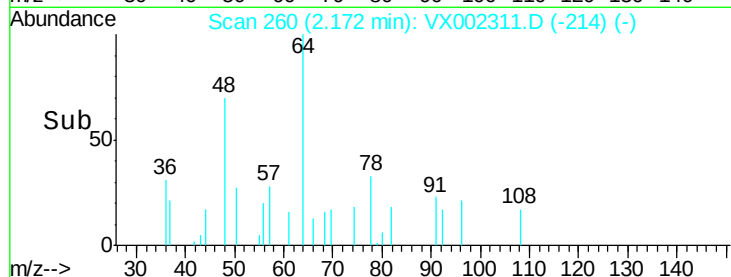
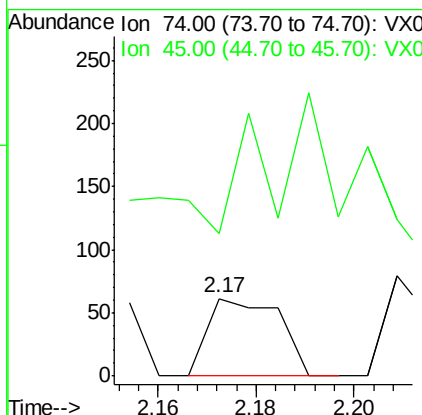
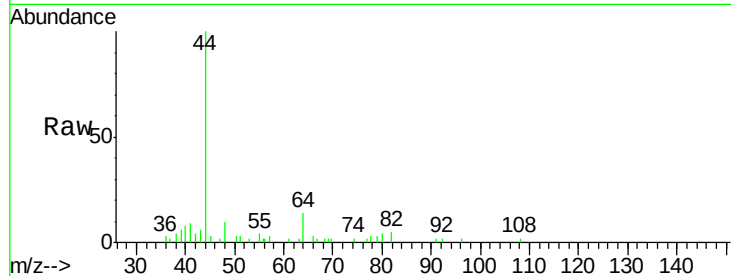




#8
Diethyl Ether
Concen: Below Cal
RT: 2.17 min Scan# 260
Delta R.T. -0.02 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

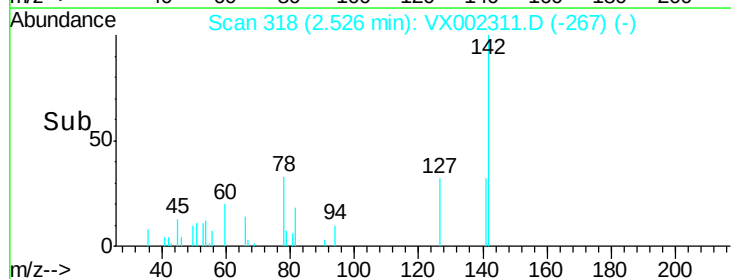
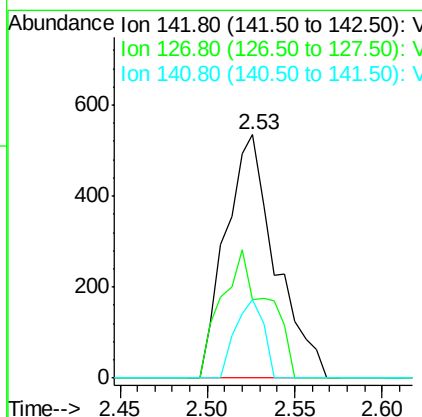
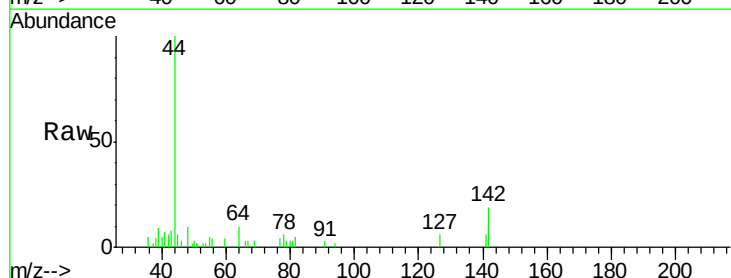
Instrument :
MSVOA_X
ClientSampled :

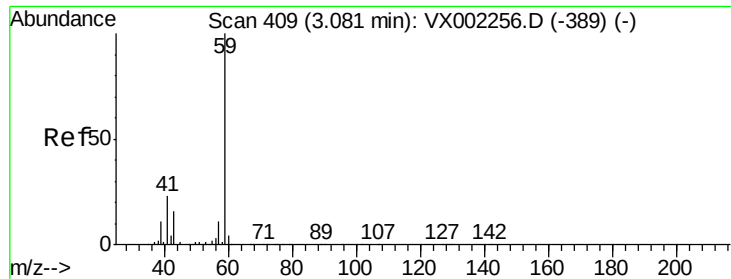
Tot Ion: 74 Resp: 62
Ion Ratio Lower Upper
74 100
45 62.9 53.1 159.4



#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion: 142 Resp: 1062
Ion Ratio Lower Upper
142 100
127 48.6 36.6 55.0
141 18.1 11.3 16.9#



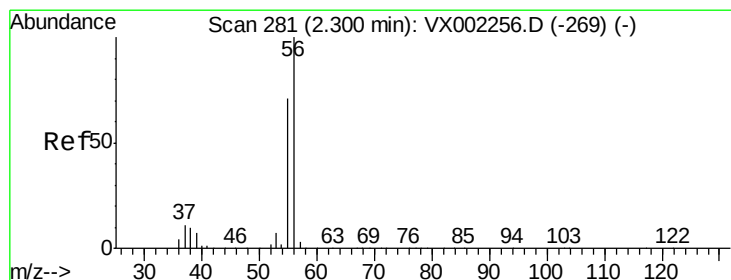
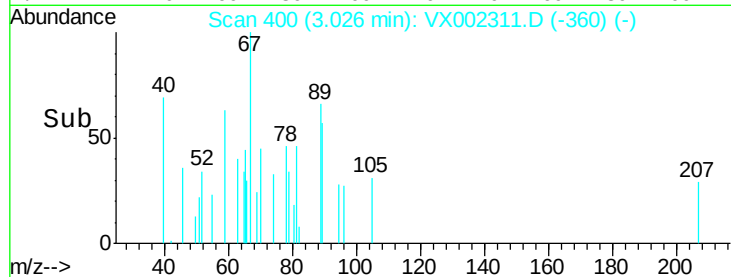
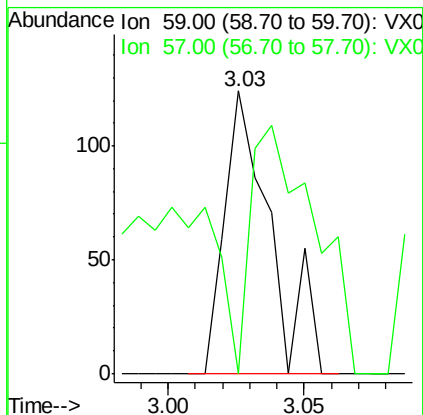
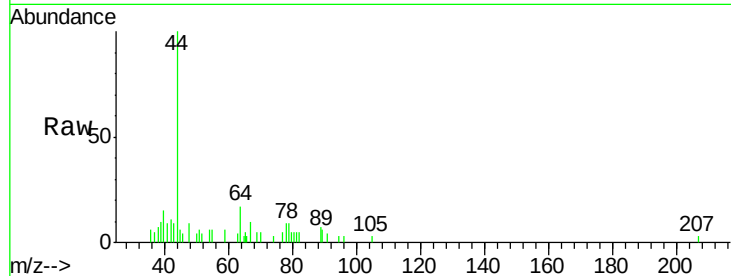


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Instrument :
MSVOA_X
ClientSampled :

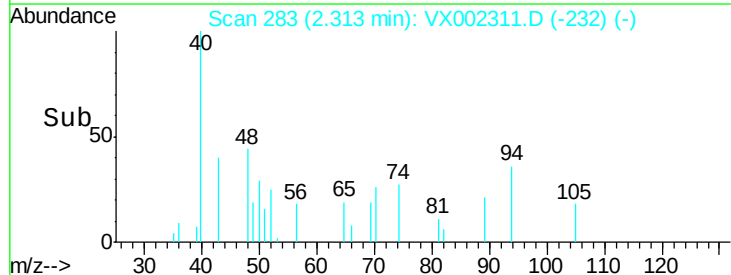
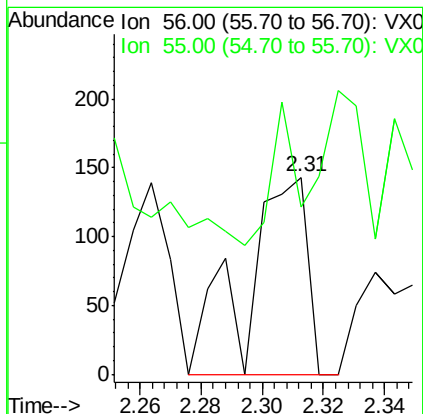
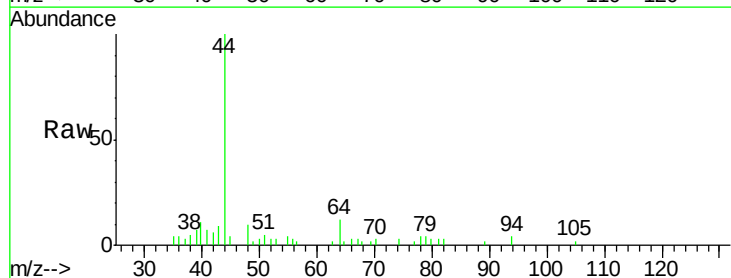
Tot Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 122.9 8.2 12.2#

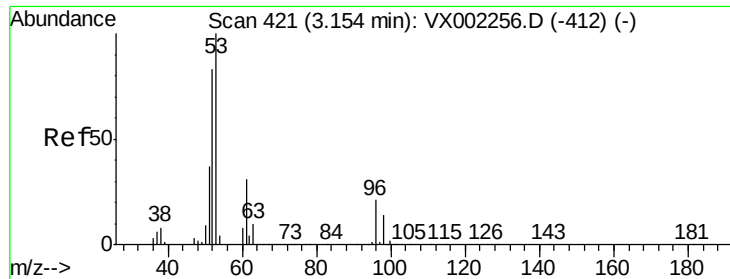


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 27.1 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

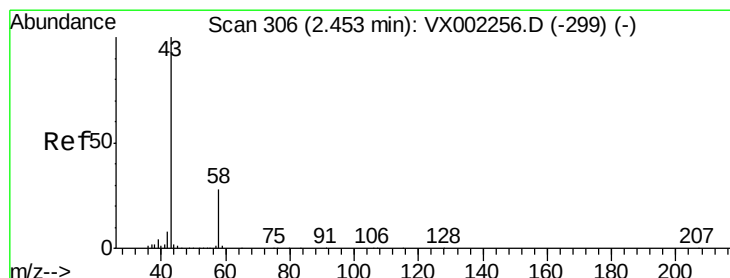
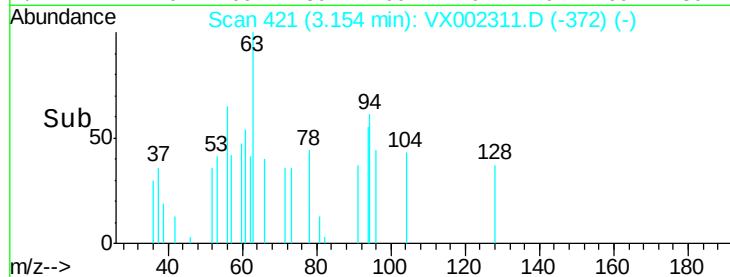
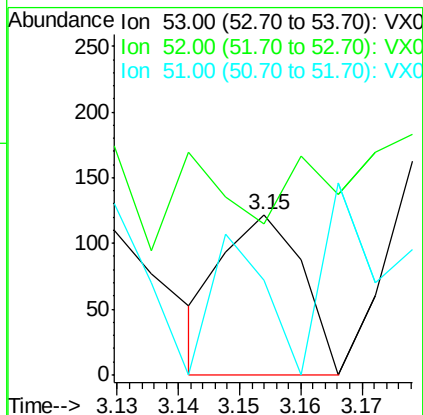
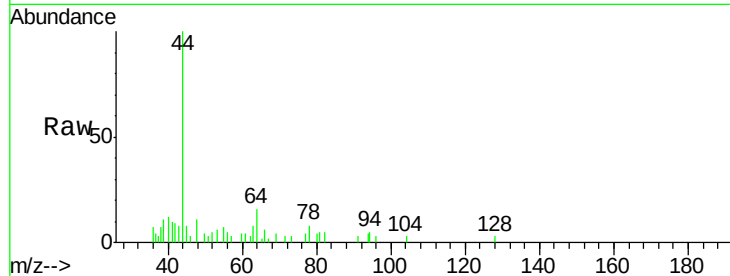
Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 111
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 58.6 29.9 44.9#



#16

Acetone

Concen: Below Cal

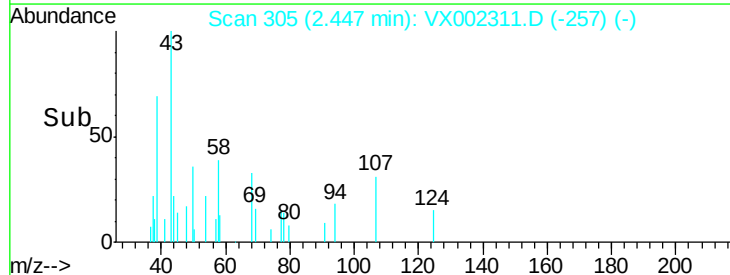
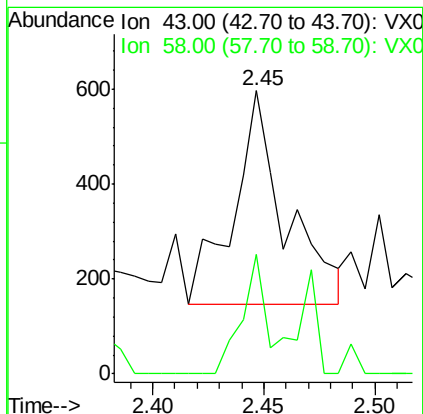
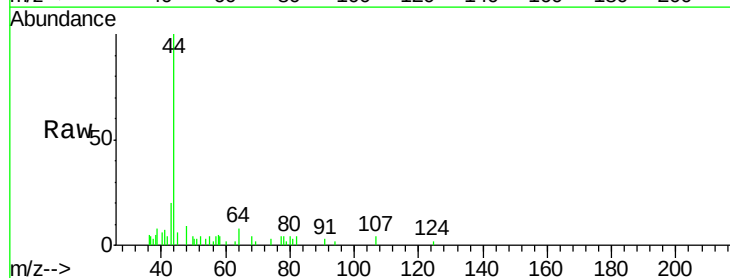
RT: 2.45 min Scan# 305

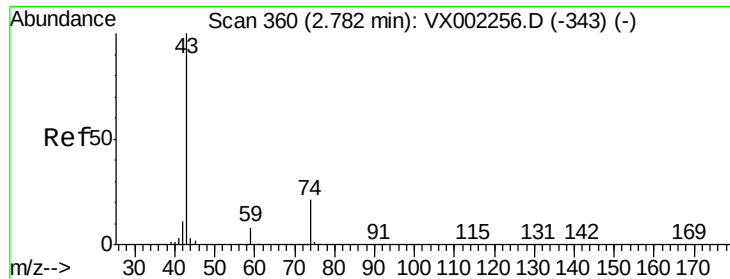
Delta R.T. -0.01 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 55.7 22.1 33.1#

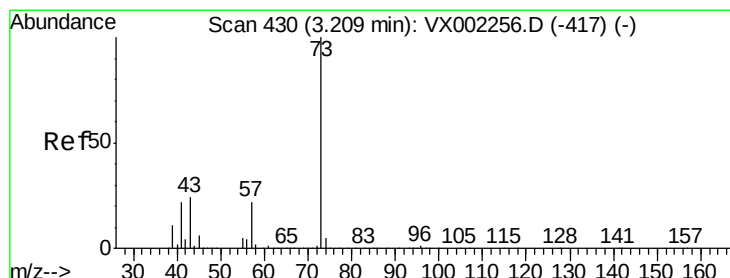
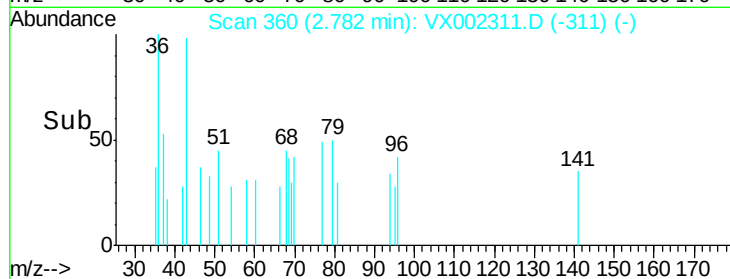
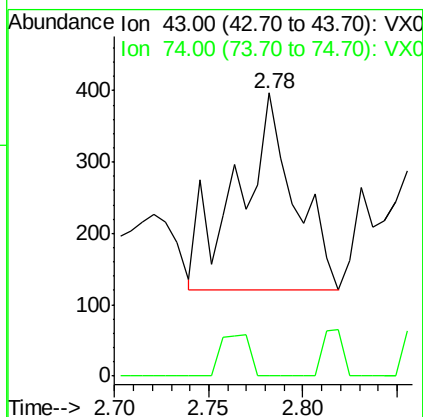
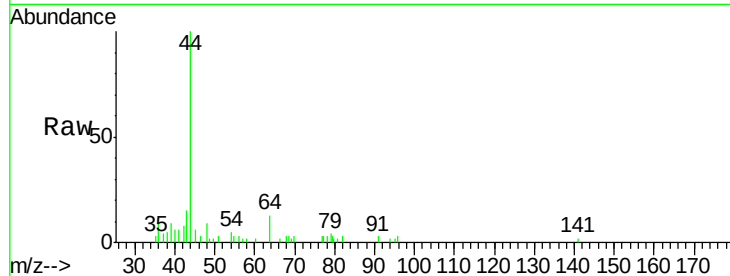




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

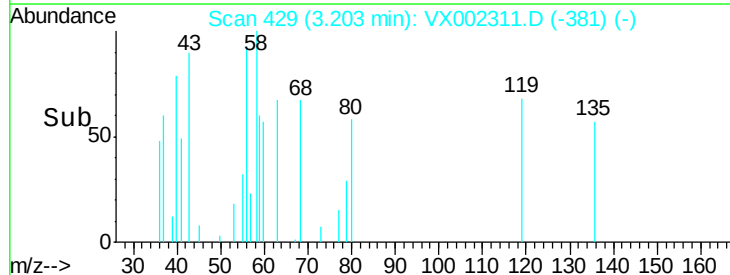
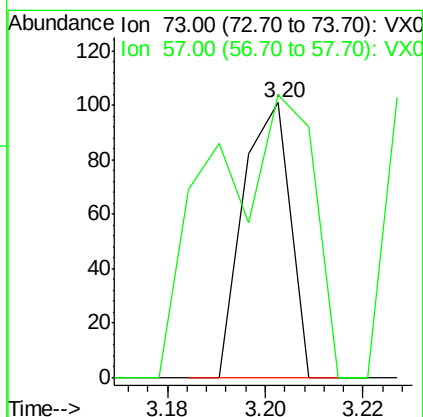
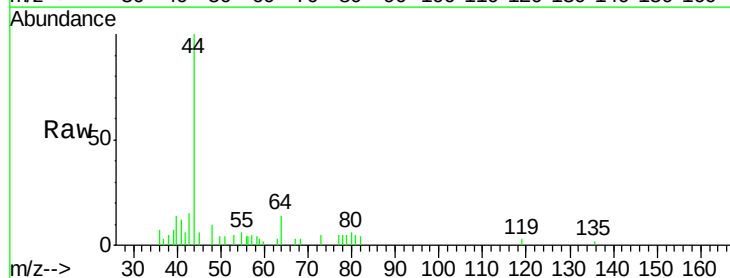
Instrument :
MSVOA_X
ClientSampled :

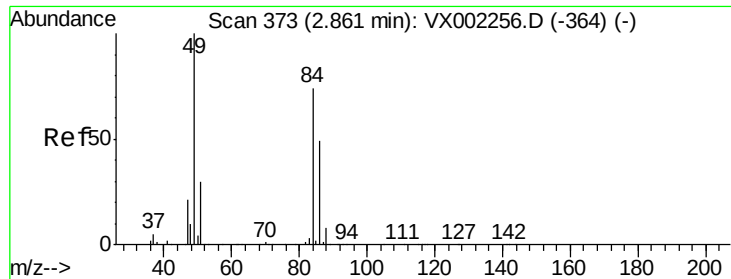
Tot Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
74 10.6 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion: 73 Resp: 67
Ion Ratio Lower Upper
73 100
57 103.0 17.7 26.5#

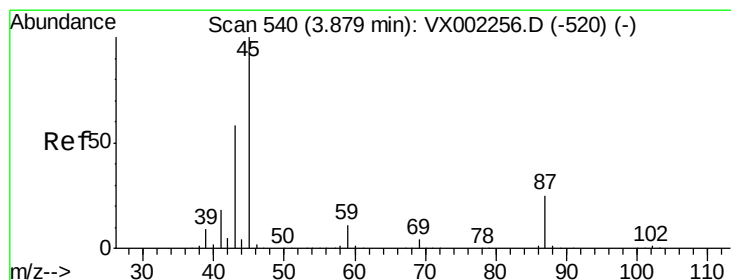
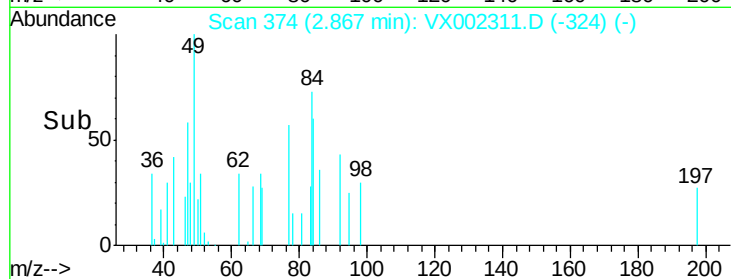
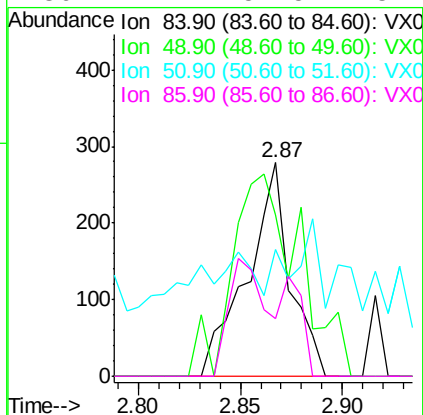
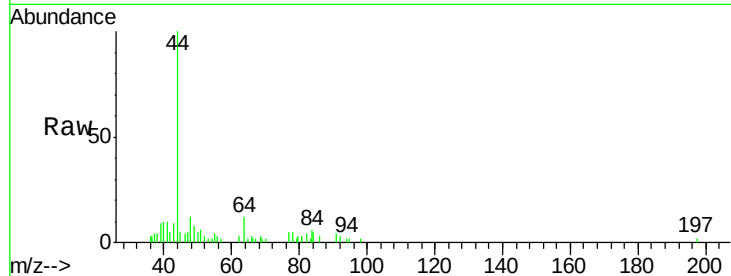




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

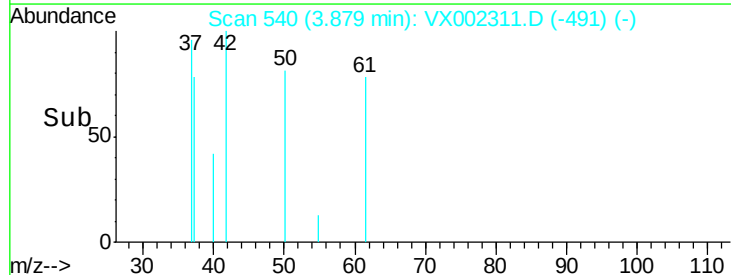
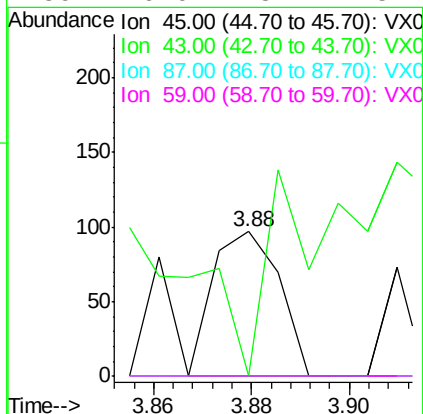
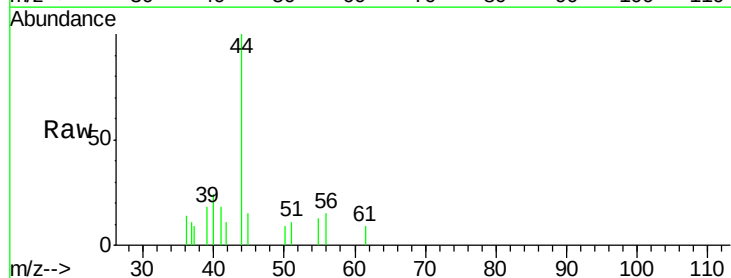
Instrument :
MSVOA_X
ClientSampleId :

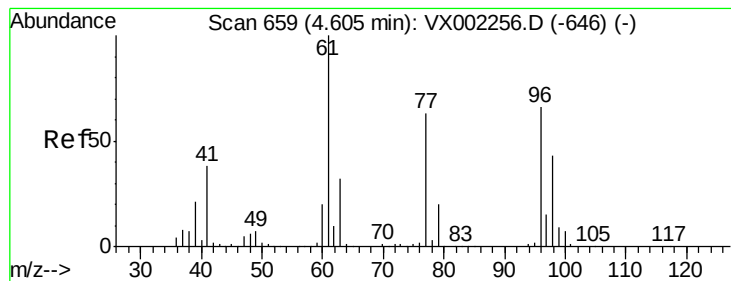
Tot Ion: 84 Resp: 409
Ion Ratio Lower Upper
84 100
49 75.3 107.8 161.6#
51 16.5 32.8 49.2#
86 27.2 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion: 45 Resp: 92
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#27

cis-1,2-Dichloroethene

Concen: 1.94 ua/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :
MSVOA_X
ClientSampled :

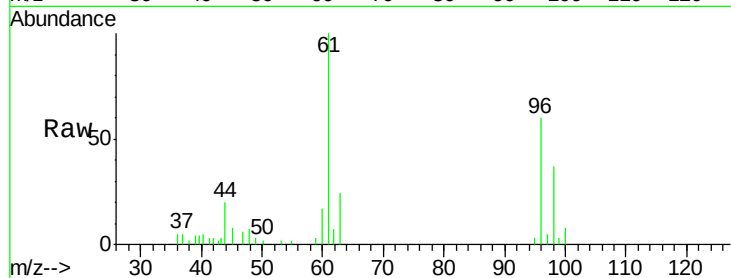
Tot Ion: 96 Resp: 5433

Ion Ratio Lower Upper

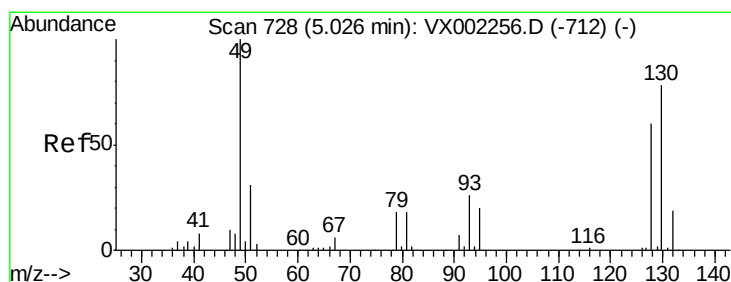
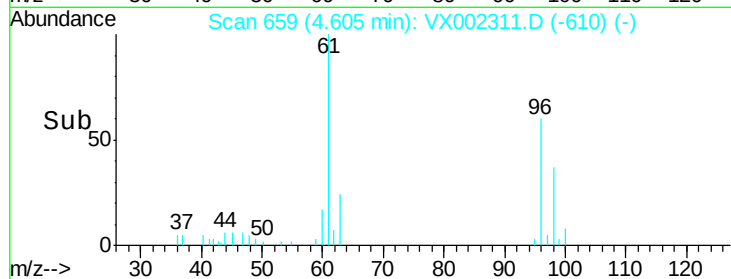
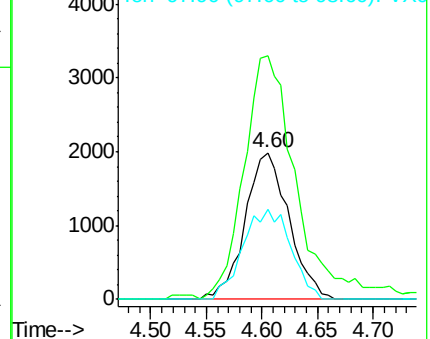
96 100

61 196.6 0.0 330.2

98 66.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

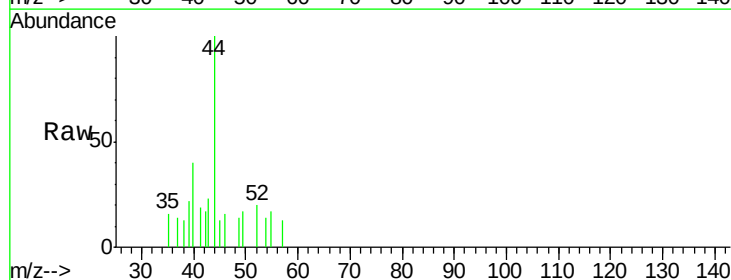
Tgt Ion: 49 Resp: 71

Ion Ratio Lower Upper

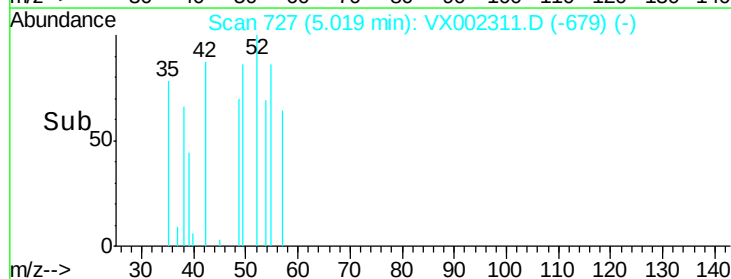
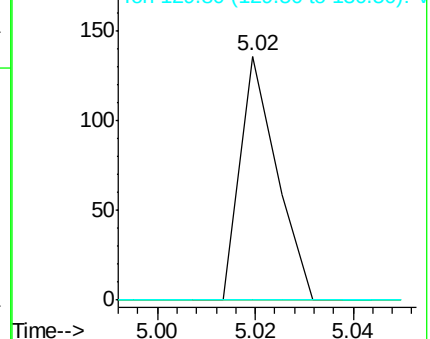
49 100

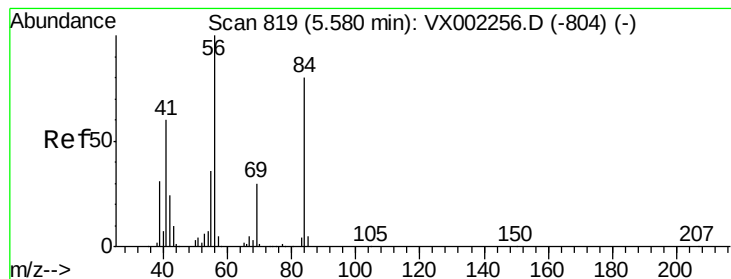
129 0.0 0.0 4.2

130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.21 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

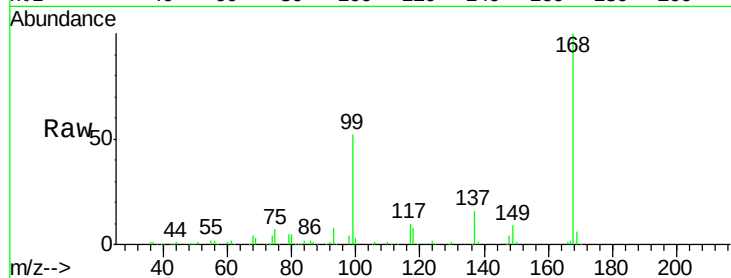
Tot Ion: 56 Resp: 4808

Ion Ratio Lower Upper

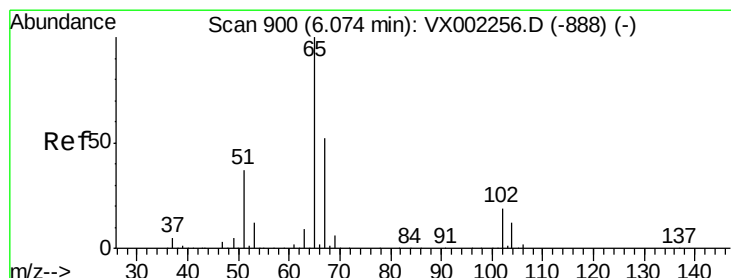
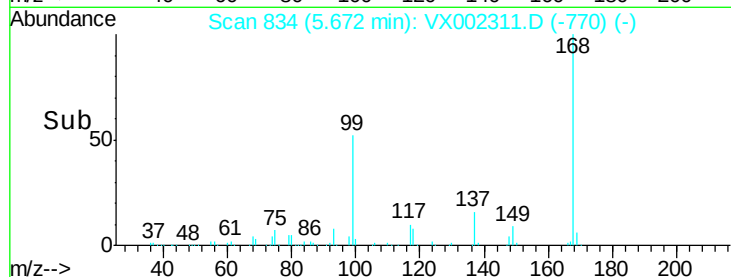
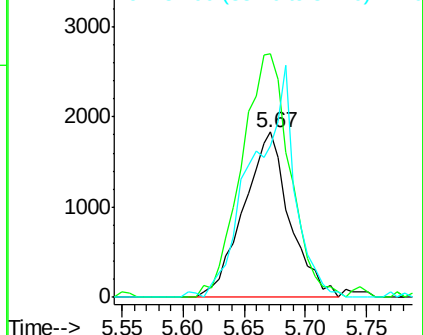
56 100

69 147.4 23.7 35.5#

84 88.3 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.42 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002311.D

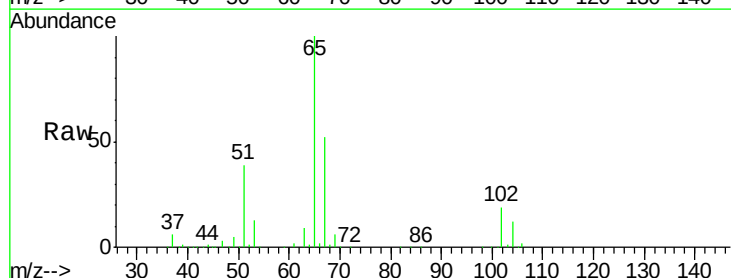
Acq: 05 Jun 2018 17:44

Tgt Ion: 65 Resp: 158002

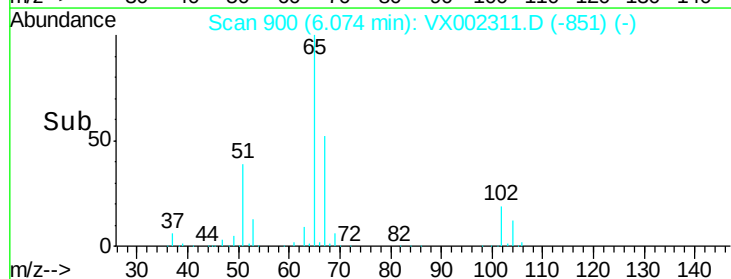
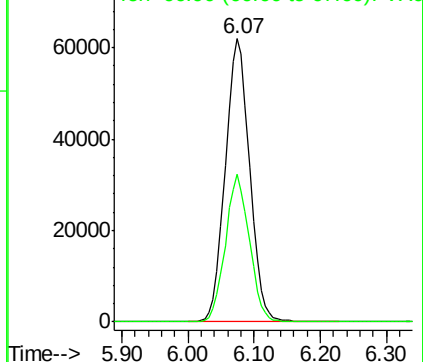
Ion Ratio Lower Upper

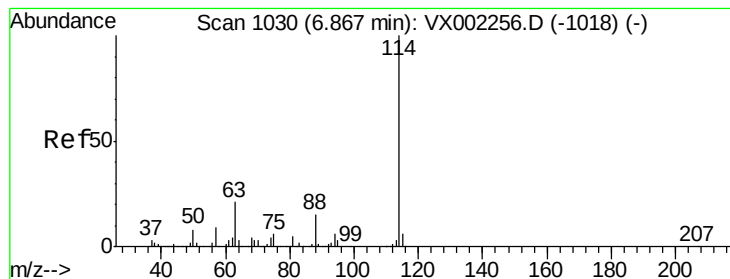
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

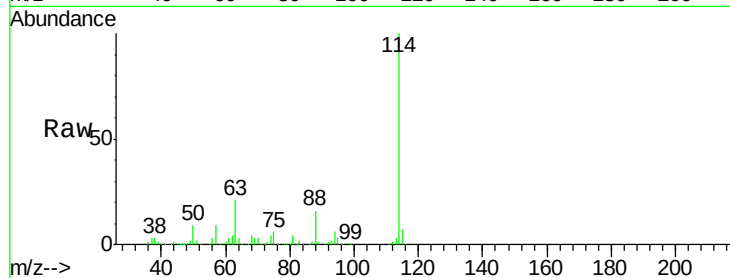
Tot Ion:114 Resp: 326560

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

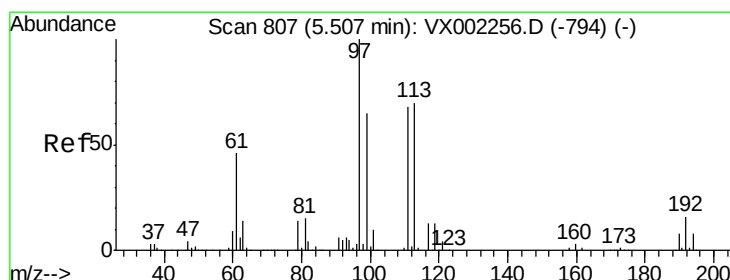
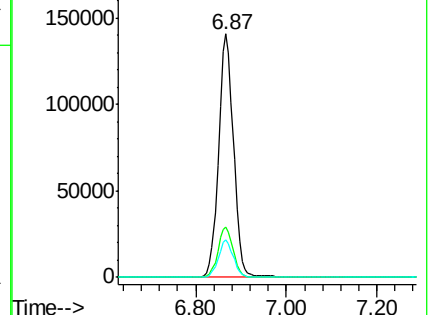
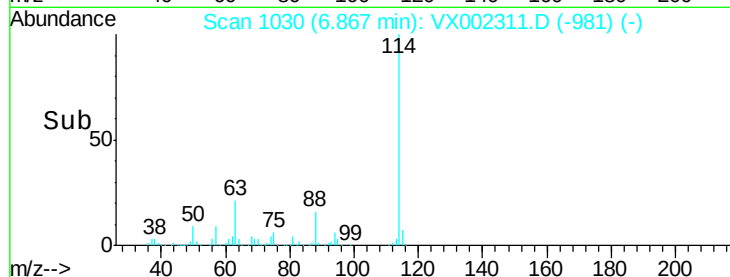
88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 44.83 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

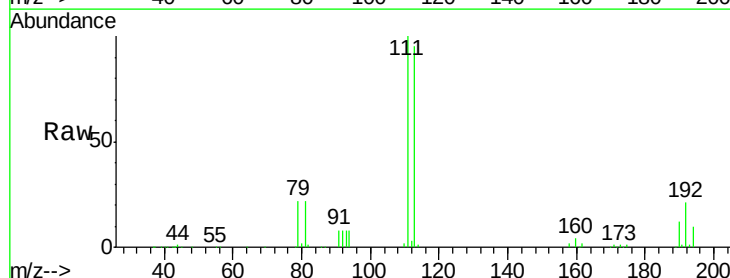
Tgt Ion:113 Resp: 115134

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

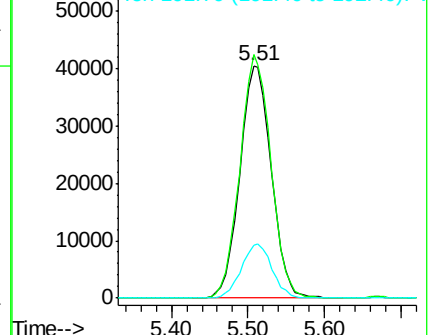
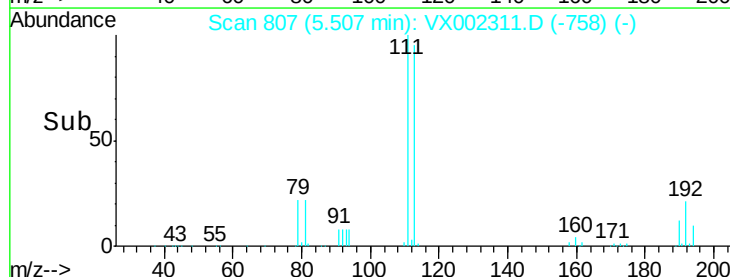
192 22.7 19.1 28.7

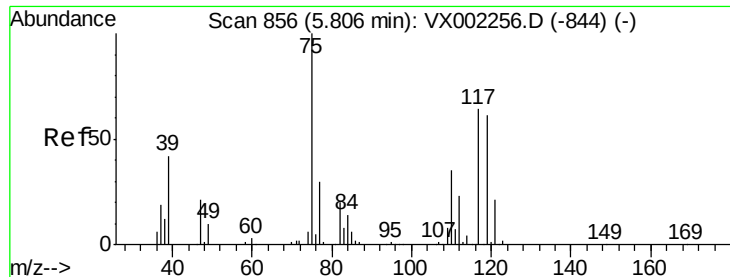


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

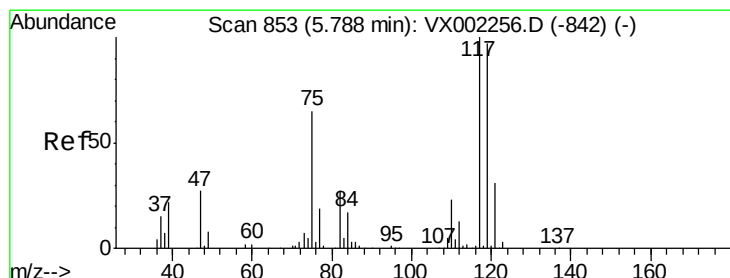
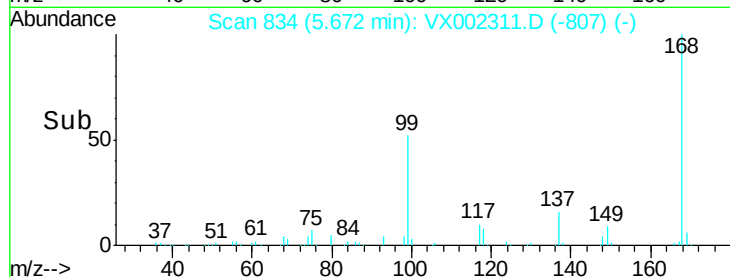
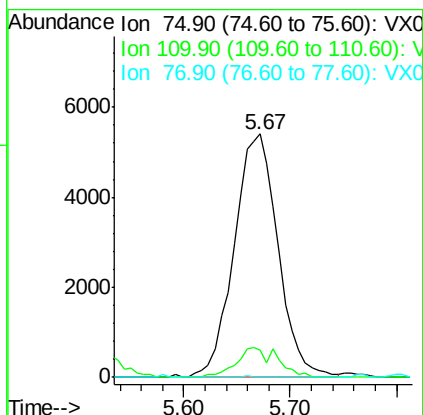
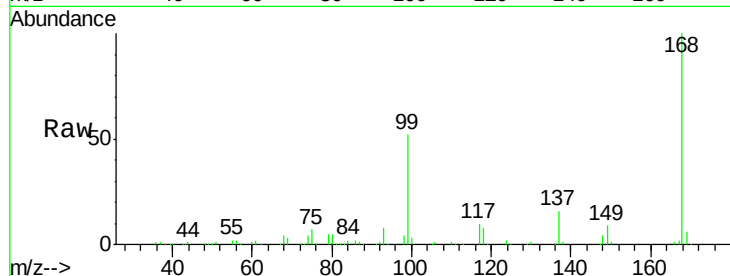




#36
 1,1-Dichloropropene
 Concen: 4.54 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002311.D
 Acq: 05 Jun 2018 17:44

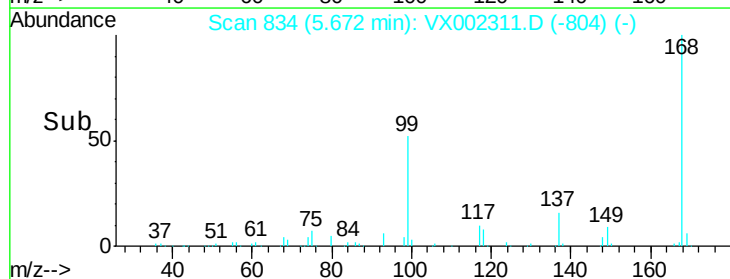
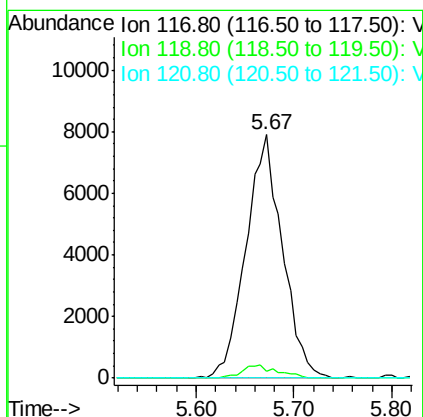
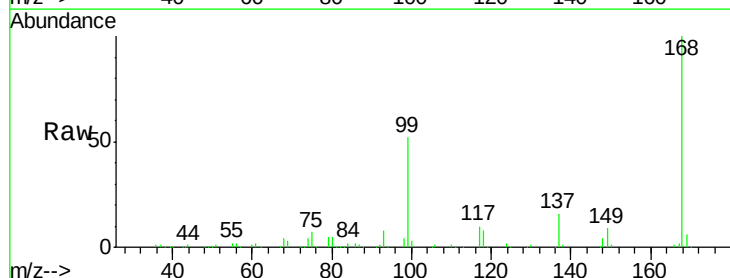
Instrument :
 MSVOA_X
 ClientSampleId :

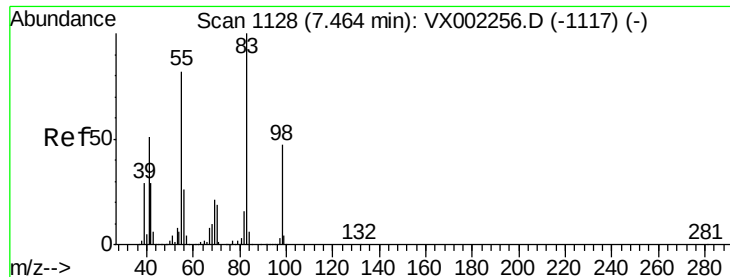
Tot Ion: 75 Resp: 15591
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.68 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002311.D
 Acq: 05 Jun 2018 17:44

Tgt Ion: 117 Resp: 20390
 Ion Ratio Lower Upper
 117 100
 119 2.7 77.4 116.0#
 121 0.0 24.4 36.6#

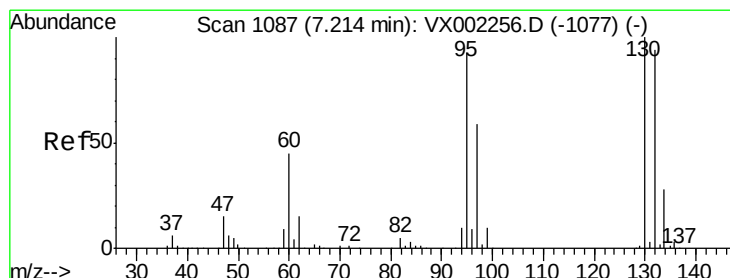
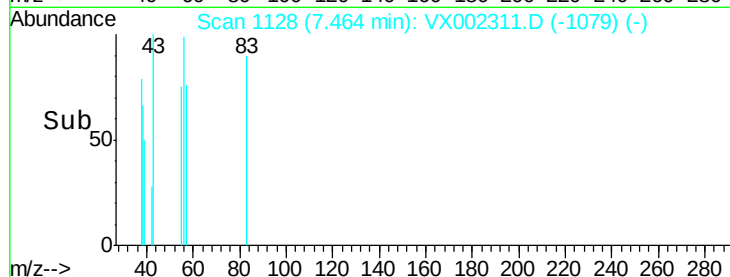
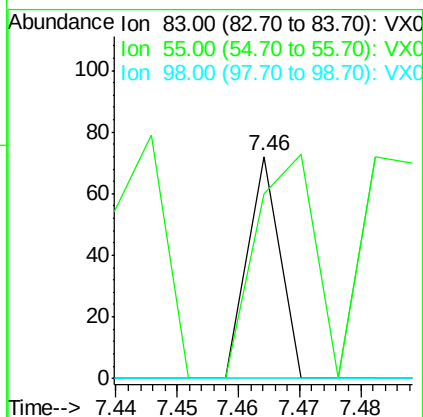
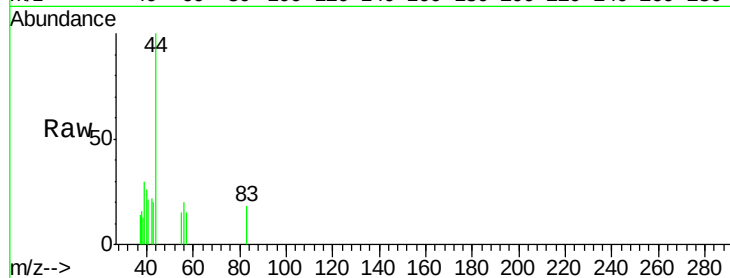




#39
Methylvlcyclohexane
Concen: 0.27 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

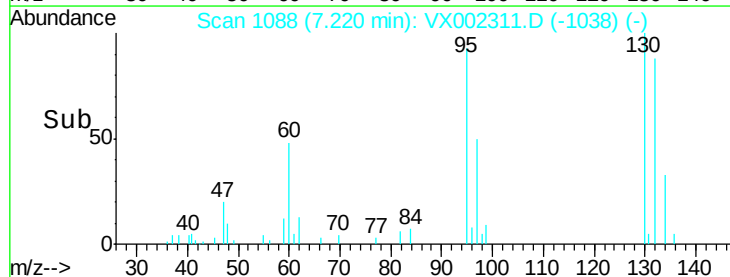
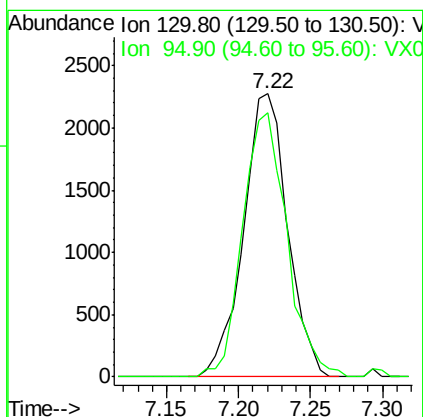
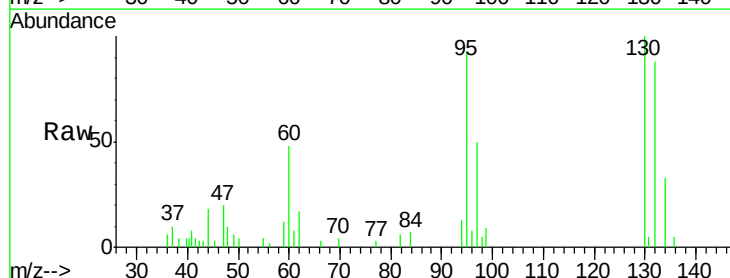
Instrument :
MSVOA_X
ClientSampled :

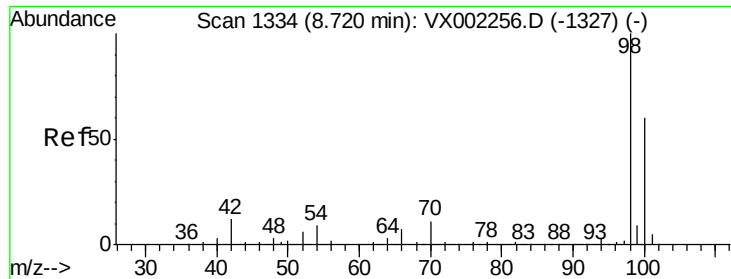
Tot Ion: 83 Resp: 26
Ion Ratio Lower Upper
83 100
55 83.3 65.4 98.0
98 0.0 37.4 56.0#



#44
Trichloroethene
Concen: 1.65 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion:130 Resp: 4813
Ion Ratio Lower Upper
130 100
95 93.3 0.0 185.4

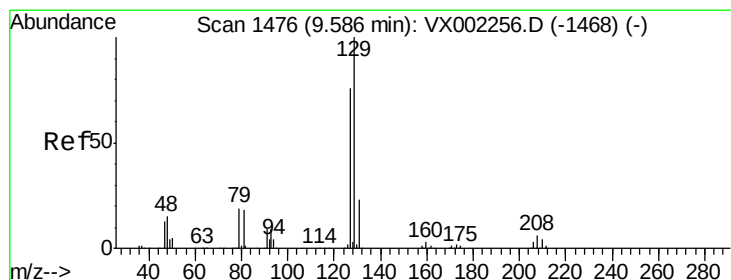
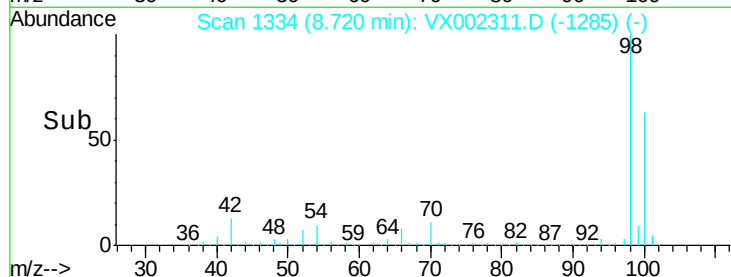
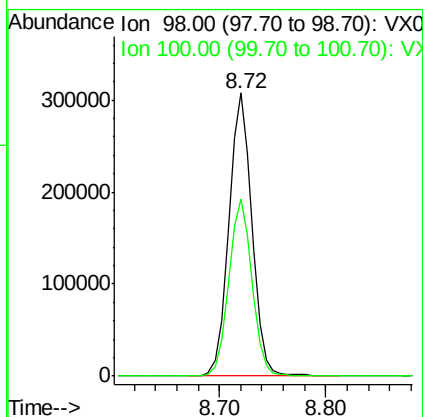
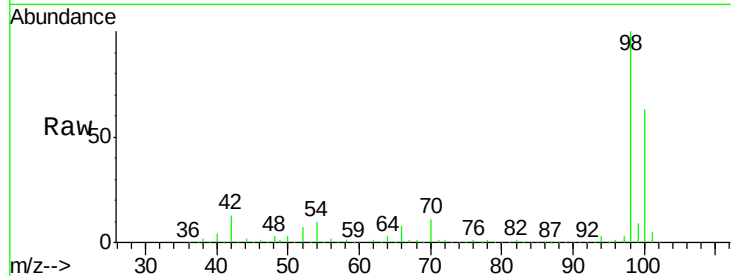




#50
Toluene-d8
Concen: 47.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

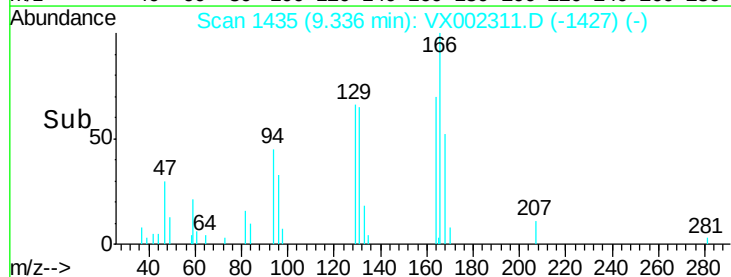
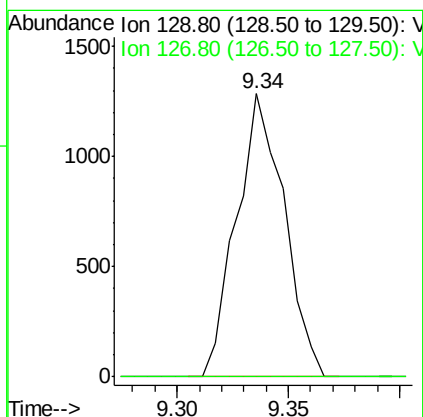
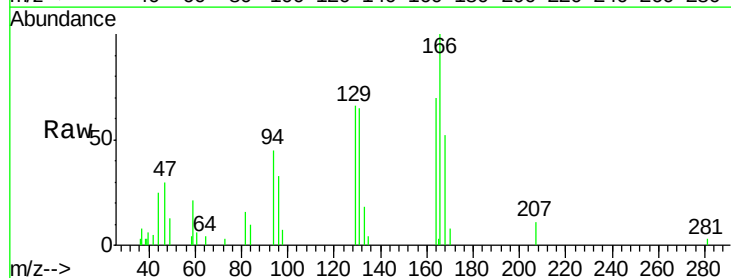
Instrument :
MSVOA_X
ClientSampleId :

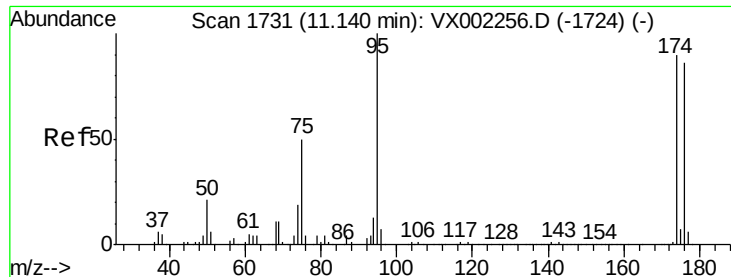
Tot Ion: 98 Resp: 465920
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#60
Dibromochloromethane
Concen: 0.69 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion:129 Resp: 1912
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

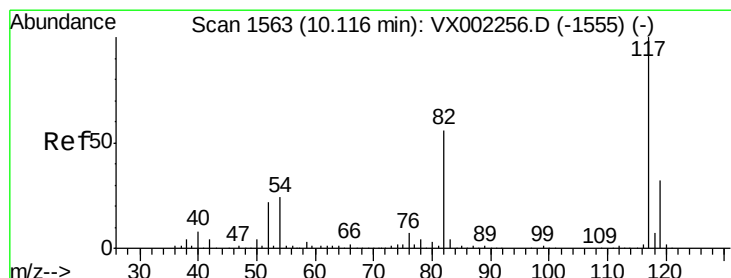
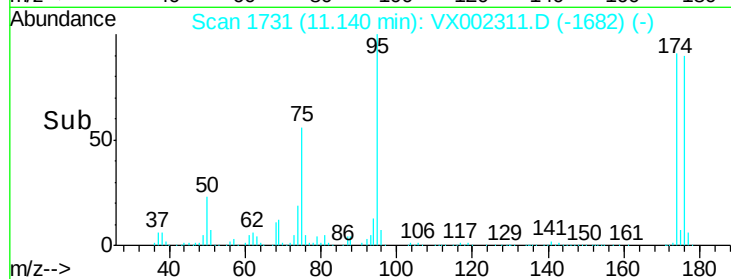
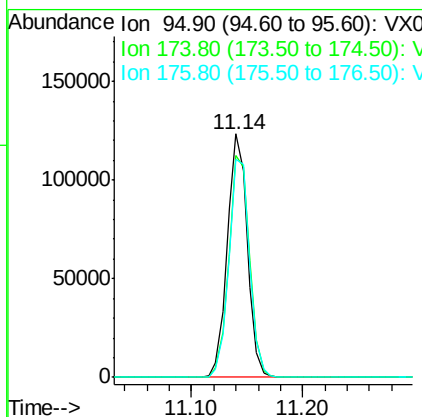
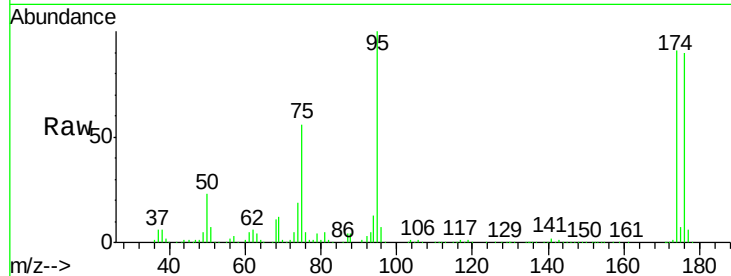




#62
4-Bromofluorobenzene
Concen: 40.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

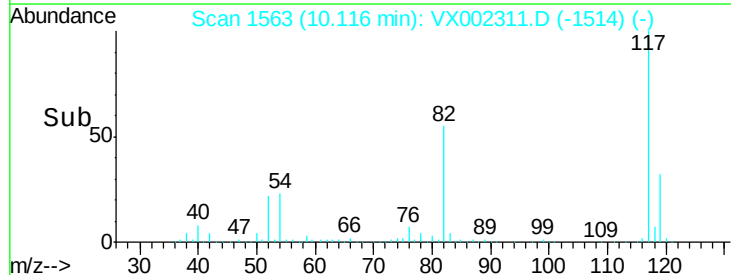
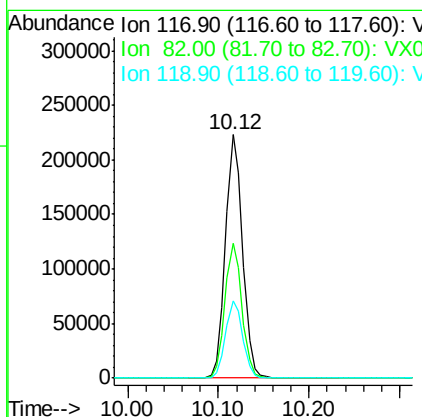
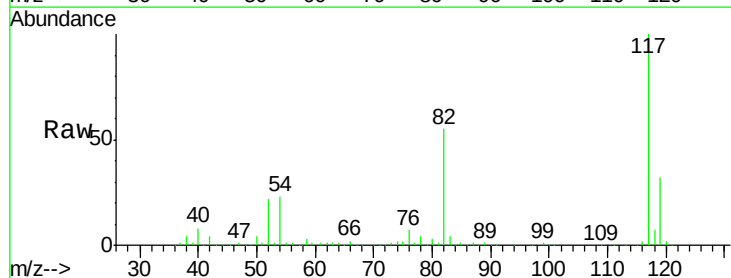
Instrument :
MSVOA_X
ClientSampleId :

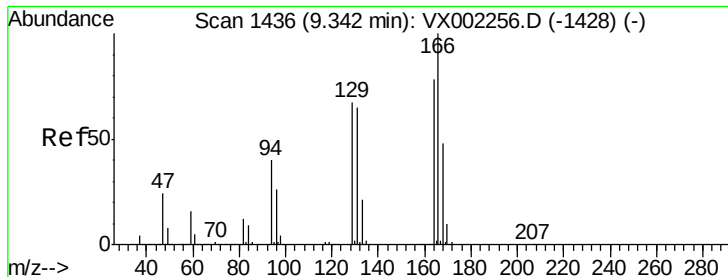
Tot Ion: 95 Resp: 153108
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 92.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion: 117 Resp: 292642
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 31.7 25.8 38.6

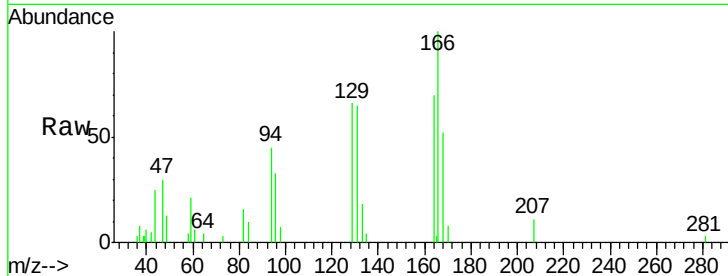




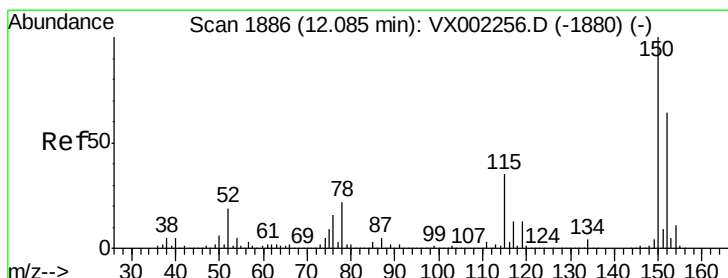
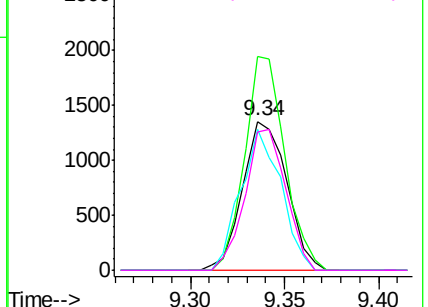
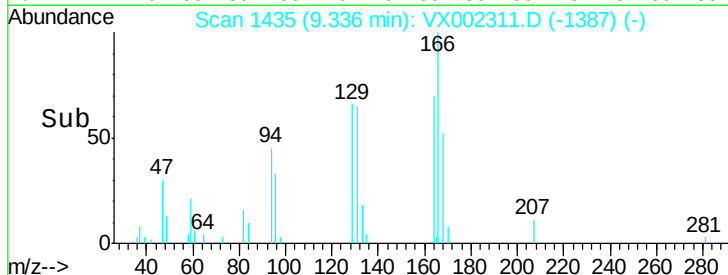
#64
Tetrachloroethene
Concen: 0.73 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 2204
Ion Ratio Lower Upper
164 100
166 143.5 102.9 154.3
129 94.8 68.6 102.8
131 93.1 66.8 100.2

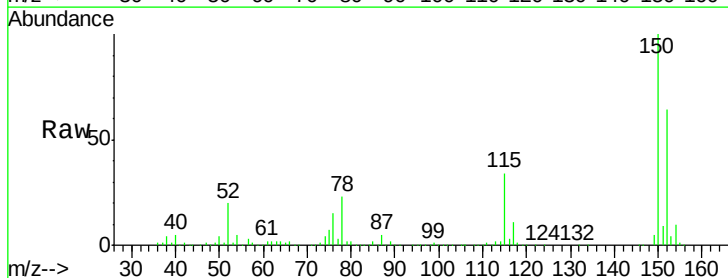


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

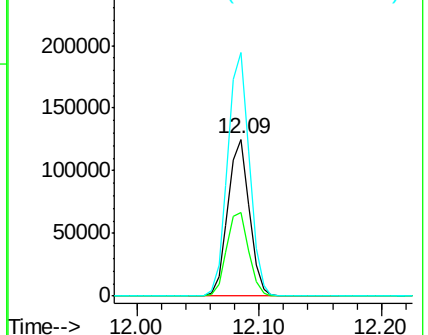
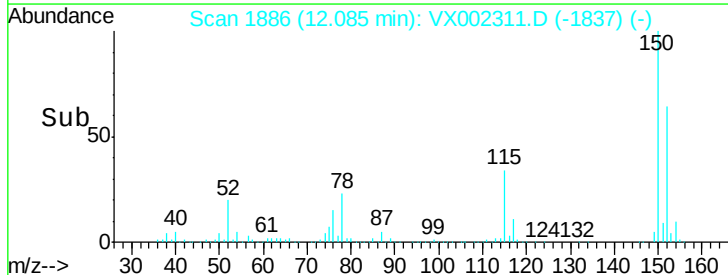


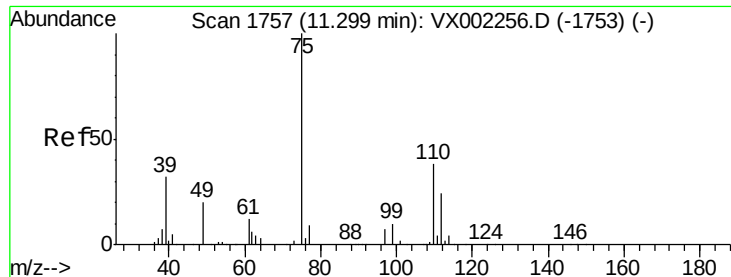
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002311.D
Acq: 05 Jun 2018 17:44

Tgt Ion:152 Resp: 151371
Ion Ratio Lower Upper
152 100
115 55.2 40.1 120.2
150 157.0 0.0 347.2



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: 25.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Instrument :

MSVOA_X

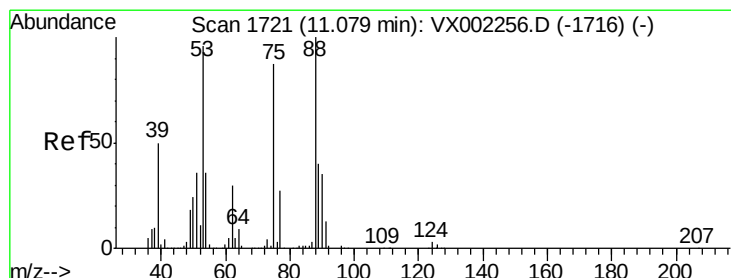
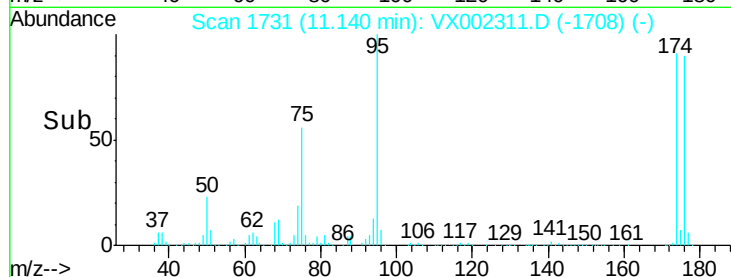
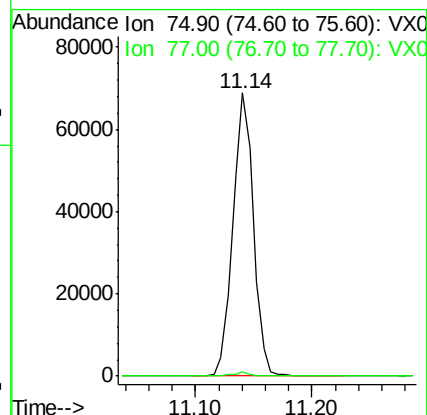
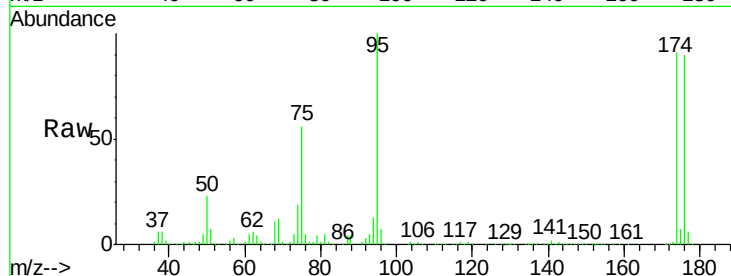
ClientSampleId :

Tot Ion: 75 Resp: 84275

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002311.D

Acq: 05 Jun 2018 17:44

Tgt Ion: 75 Resp: 84275

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

