

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002313.D
 Acq On : 05 Jun 2018 18:38
 Operator : JC/MD
 Sample : J3268-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:33:30 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	234273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175566	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	164327	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.51	113	119644	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
50) Toluene-d8	8.72	98	492657	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	169584	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

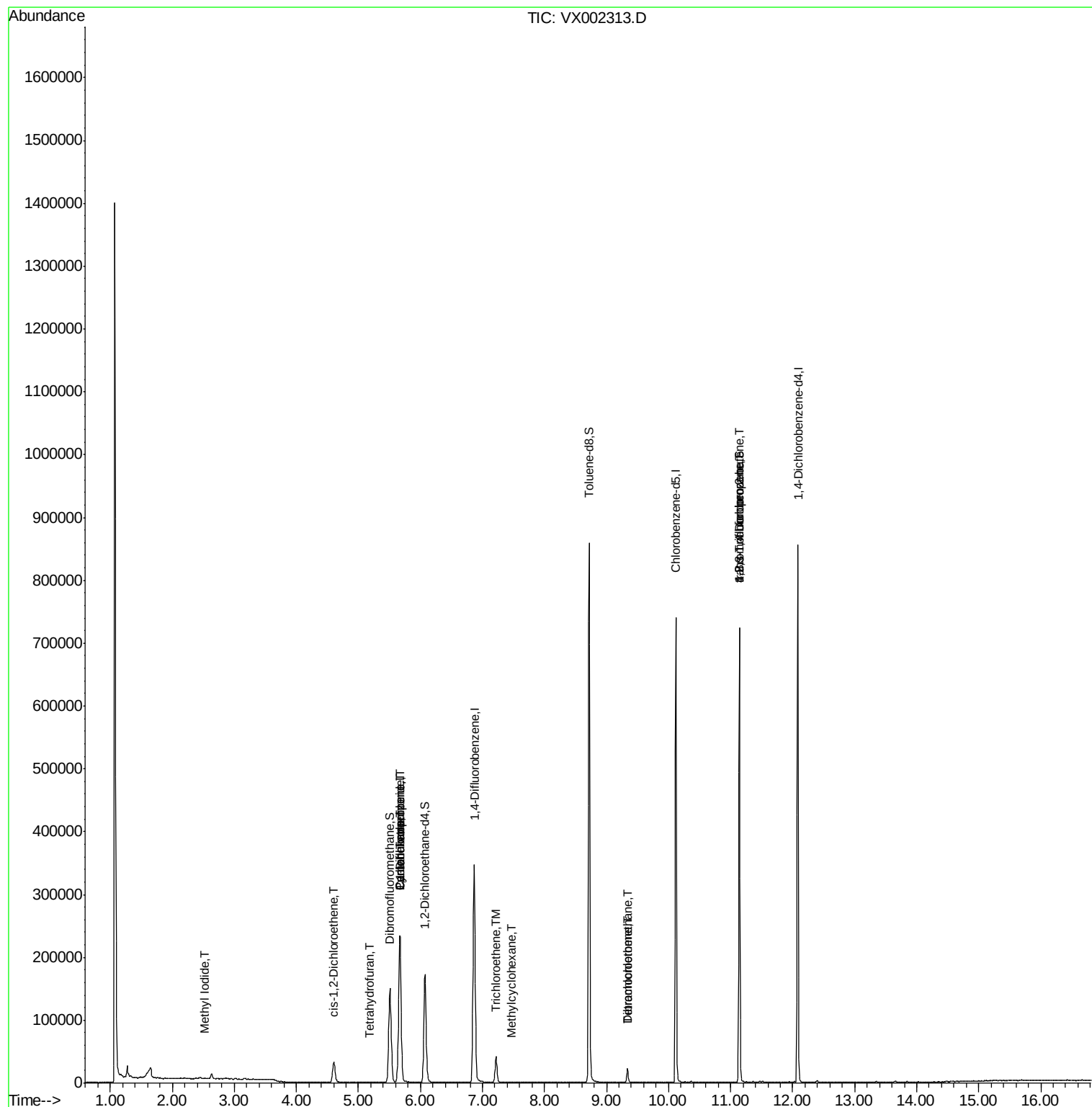
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	622	Below Cal	#	86
5) Bromomethane	1.64	94	1366	Below Cal		94
8) Diethyl Ether	2.18	74	63	Below Cal		65
10) Methyl Iodide	2.52	142	1038	0.29	ug/l	96
11) Tert butyl alcohol	3.10	59	48	Below Cal	#	73
13) Acrolein	2.31	56	135	Below Cal		93
15) Acrylonitrile	3.16	53	185	Below Cal	#	64
16) Acetone	2.45	43	2726	Below Cal		99
18) Methyl Acetate	2.78	43	659	Below Cal	#	79
19) Methyl tert-butyl Ether	3.22	73	53	Below Cal	#	54
20) Methylene Chloride	2.86	84	522	Below Cal		89
22) Diisopropyl ether	3.88	45	166	Below Cal	#	35
27) cis-1,2-Dichloroethene	4.60	96	19276	6.44	ug/l	98
28) Bromochloromethane	5.03	49	20	Below Cal	#	13
29) Tetrahydrofuran	5.17	42	378	0.26	ug/l	58
31) Cyclohexane	5.67	56	5408	1.28	ug/l	25
36) 1,1-Dichloropropene	5.67	75	16856	4.69	ug/l	51
38) Carbon Tetrachloride	5.67	117	21973	5.84	ug/l	15
39) Methylcyclohexane	7.46	83	77	0.28	ug/l	73
44) Trichloroethene	7.21	130	15571	5.09	ug/l	97
60) Dibromochloromethane	9.34	129	4125	1.42	ug/l	11
64) Tetrachloroethene	9.34	164	4860	1.51	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	92446	24.00	ug/l	32
81) trans-1,4-Dichloro-2-buten	11.14	75	92446	84.12	ug/l	6

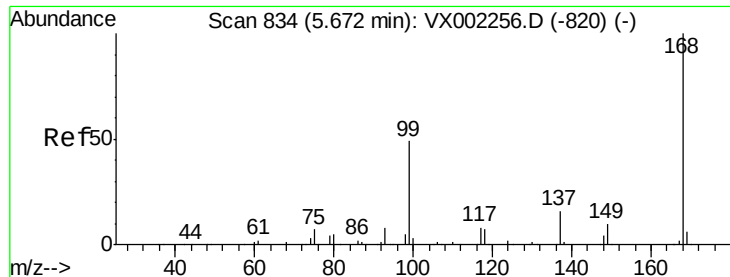
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060518\
Data File : VX002313.D
Acq On : 05 Jun 2018 18:38
Operator : JC/MD
Sample : J3268-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 06 04:33:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
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: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

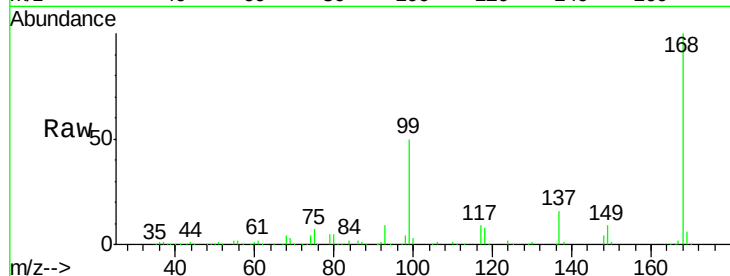
ClientSampleId :

Tot Ion:168 Resp: 234273

Ion Ratio Lower Upper

168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

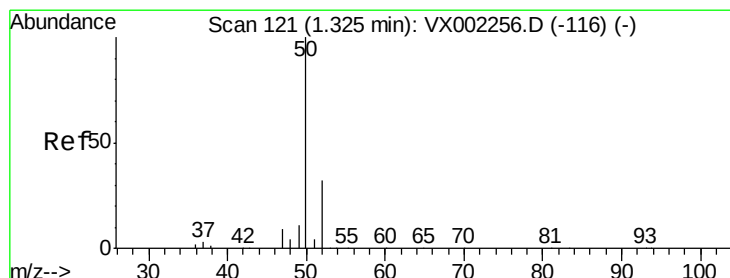
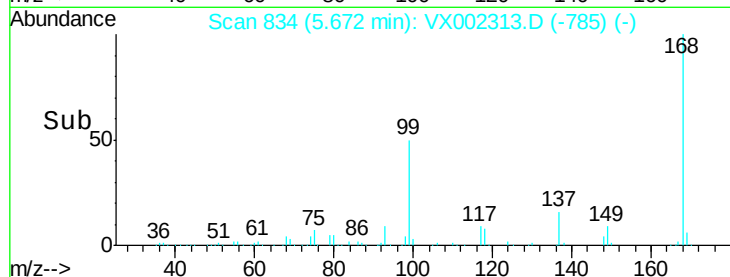
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX002313.D

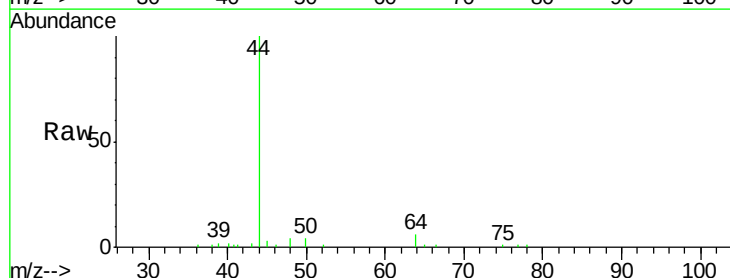
Acq: 05 Jun 2018 18:38

Tgt Ion: 50 Resp: 622

Ion Ratio Lower Upper

50 100

52 24.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

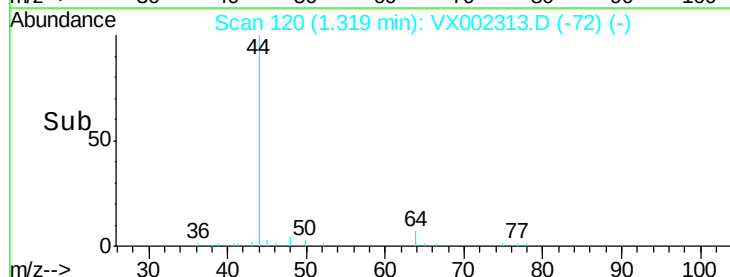
300

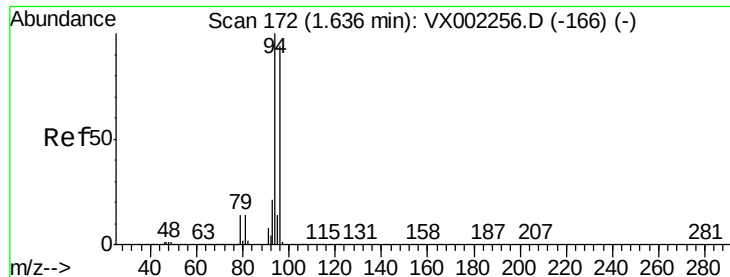
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

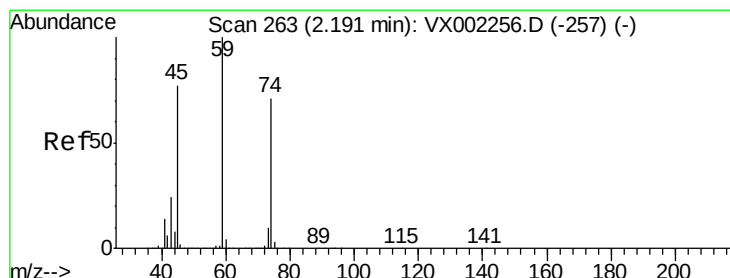
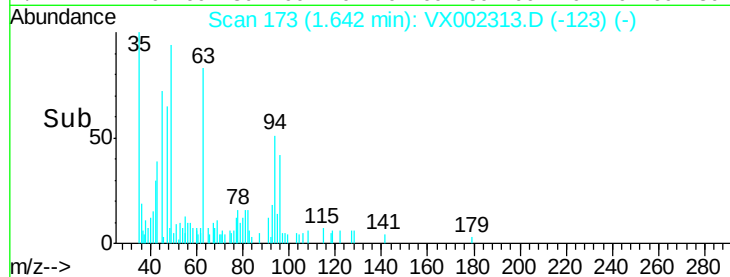
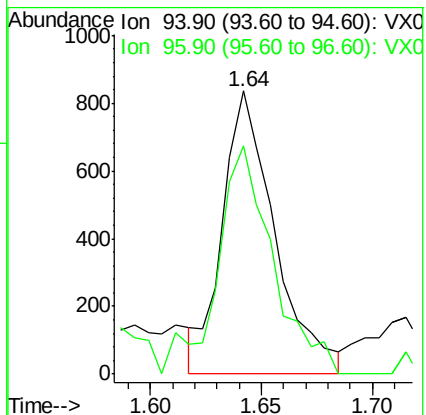
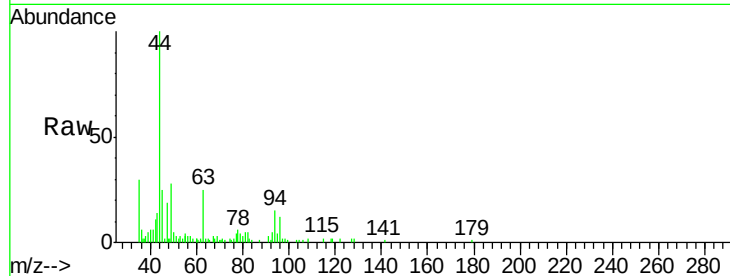
ClientSampled :

Tot Ion: 94 Resp: 1366

Ion Ratio Lower Upper

94 100

96 87.6 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX002313.D

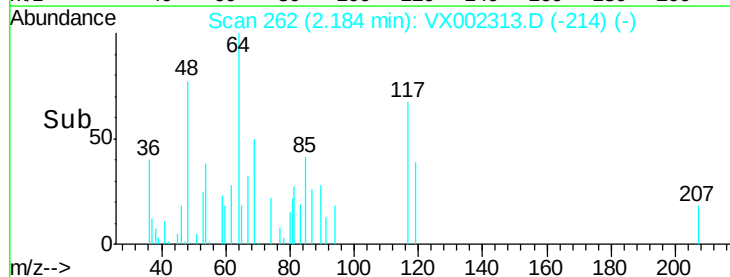
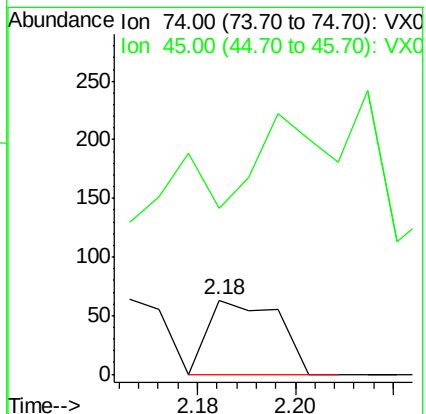
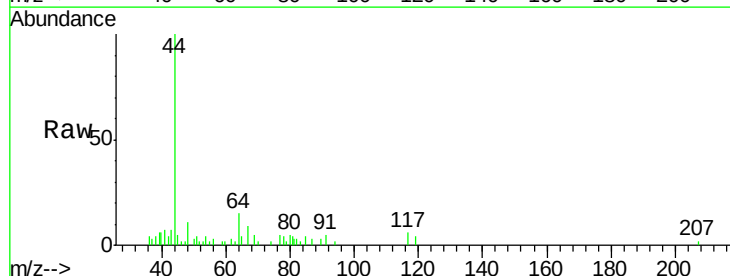
Acq: 05 Jun 2018 18:38

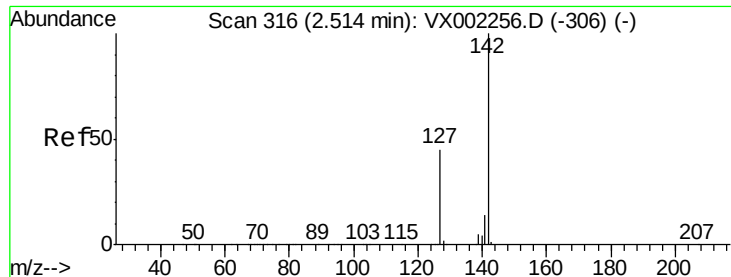
Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 69.8 53.1 159.4

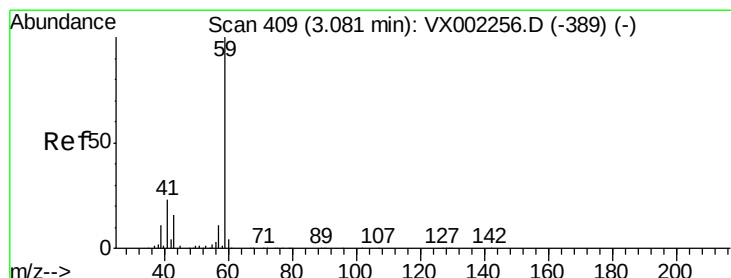
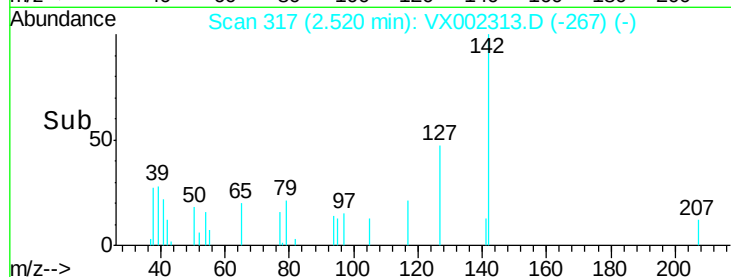
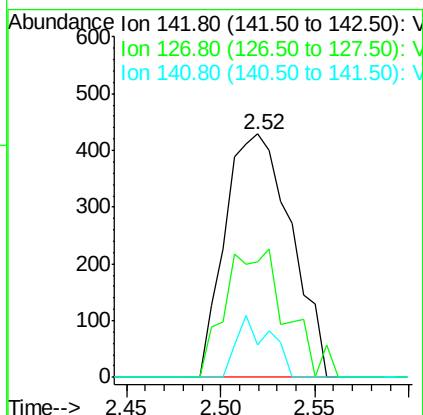
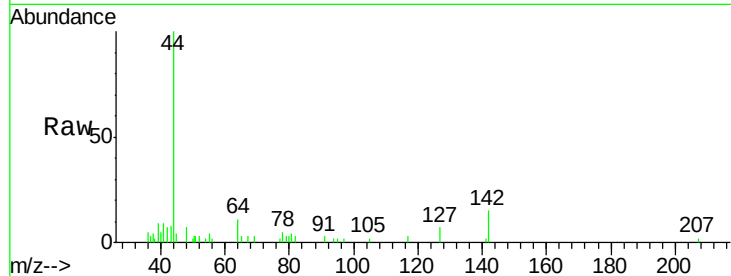




#10
Methyl Iodide
Concen: 0.29 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

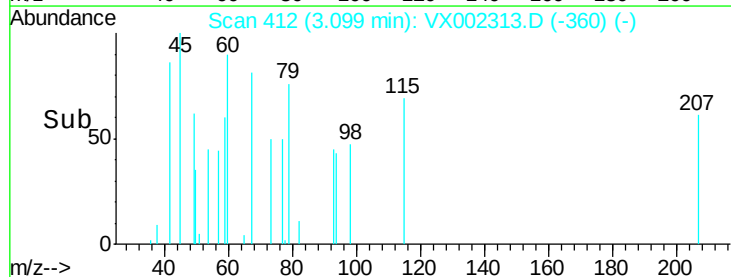
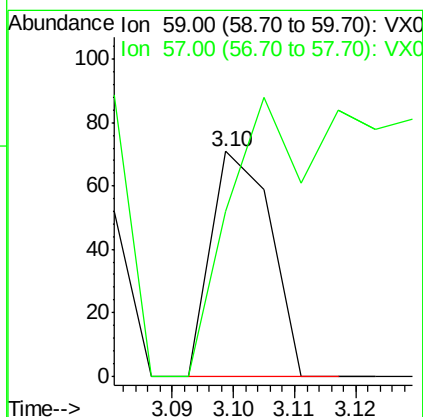
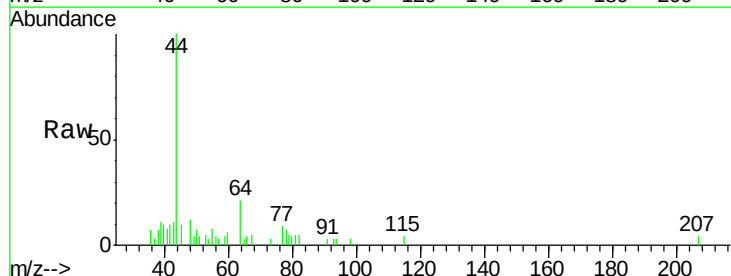
Instrument :
MSVOA_X
ClientSampled :

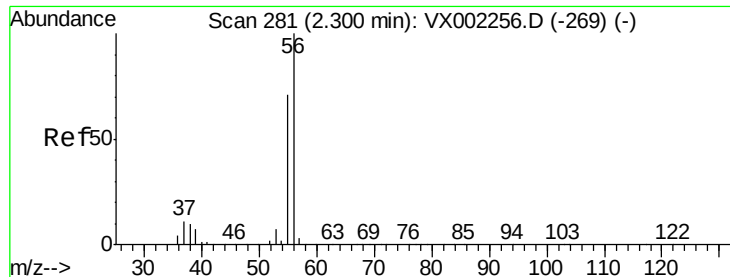
Tot Ion:142 Resp: 1038
Ion Ratio Lower Upper
142 100
127 48.7 36.6 55.0
141 12.9 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

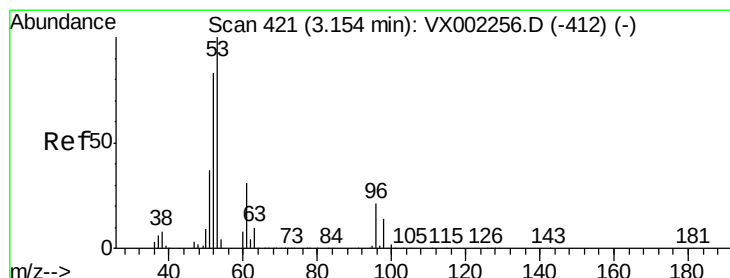
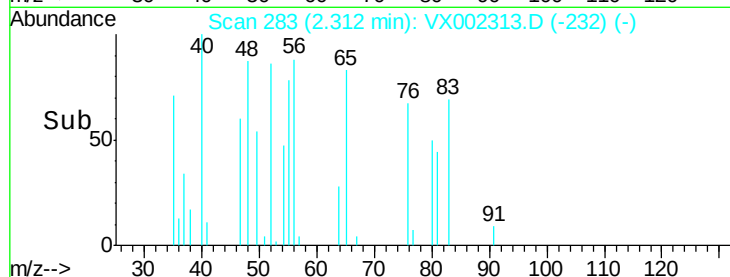
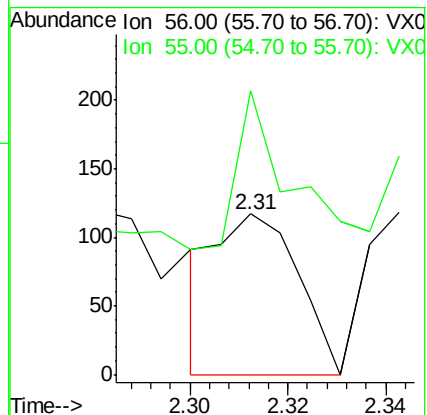
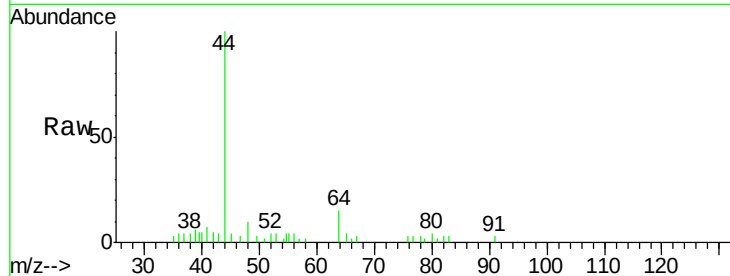
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 65.2 57.0 85.4



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

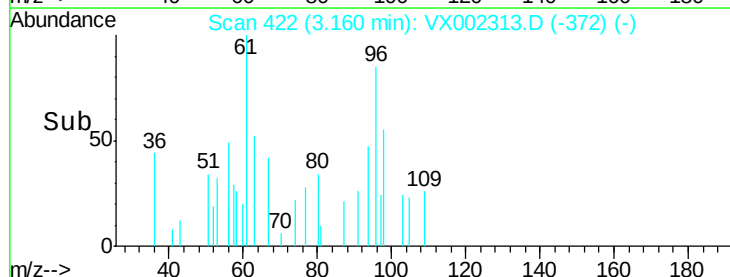
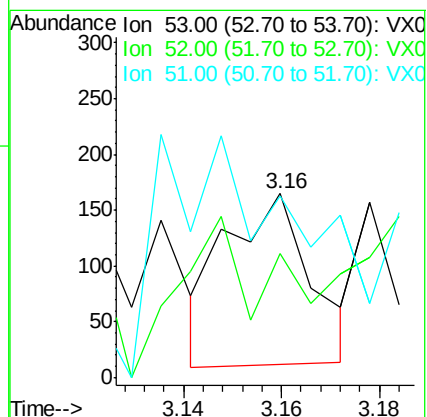
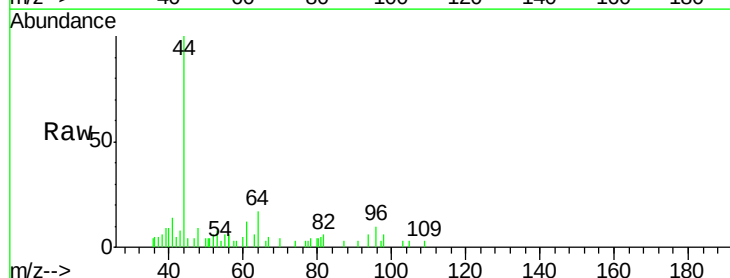
Tgt Ion: 53 Resp: 185

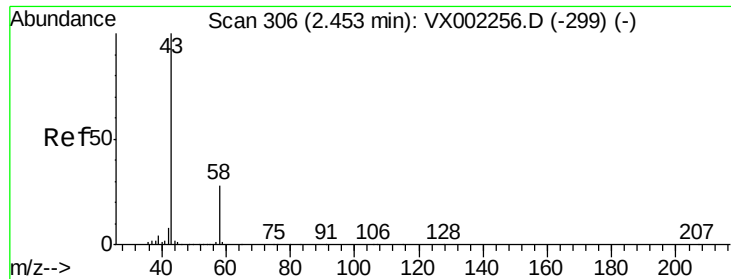
Ion Ratio Lower Upper

53 100

52 104.9 66.7 100.1#

51 0.0 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

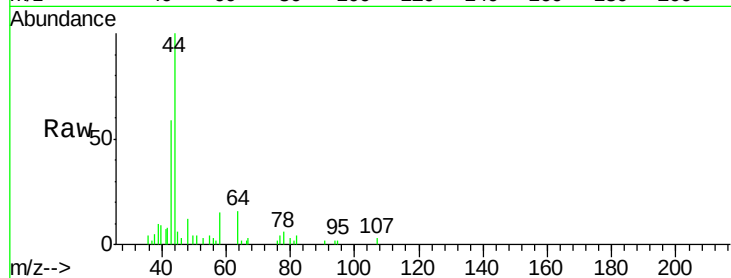
ClientSampled :

Tot Ion: 43 Resp: 2726

Ion Ratio Lower Upper

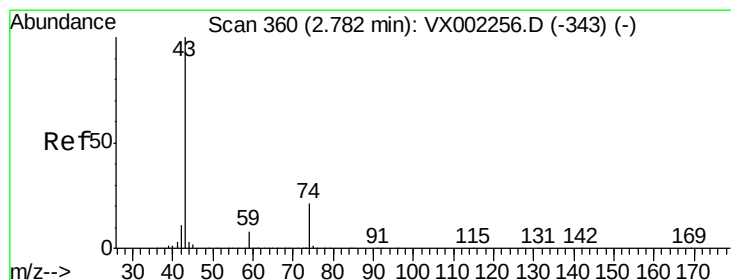
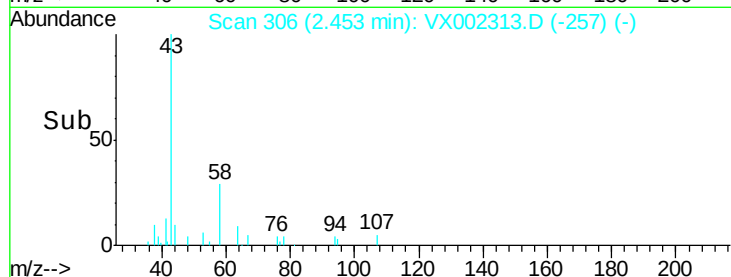
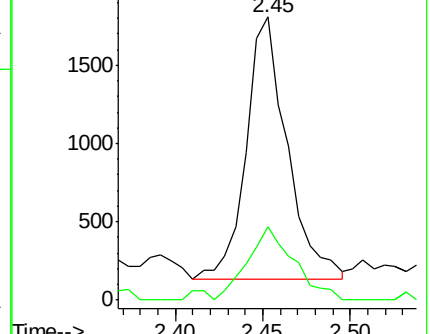
43 100

58 28.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002313.D

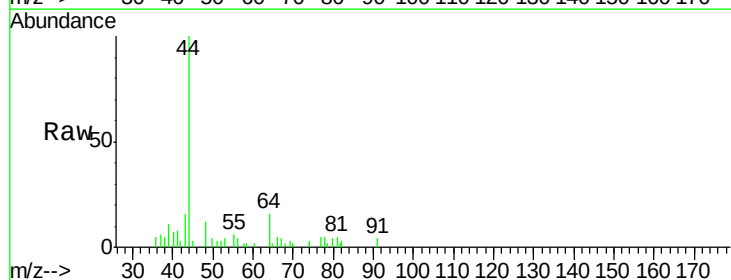
Acq: 05 Jun 2018 18:38

Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

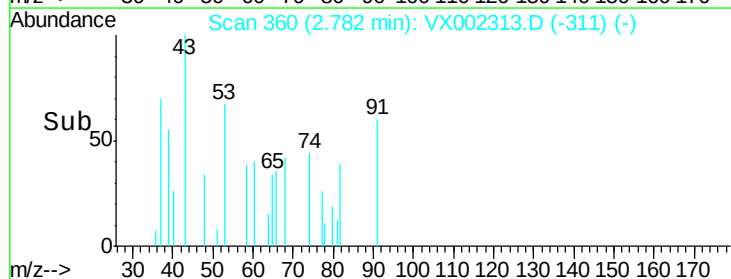
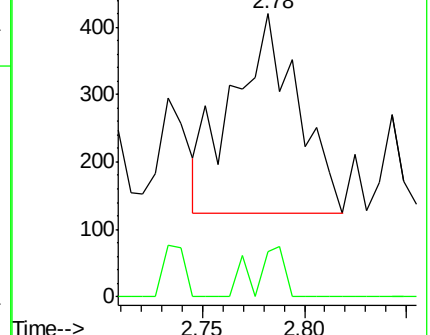
43 100

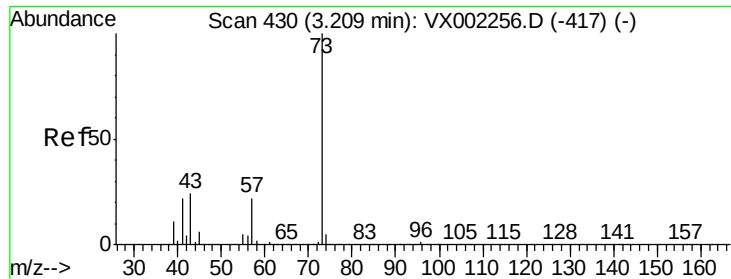
74 11.2 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



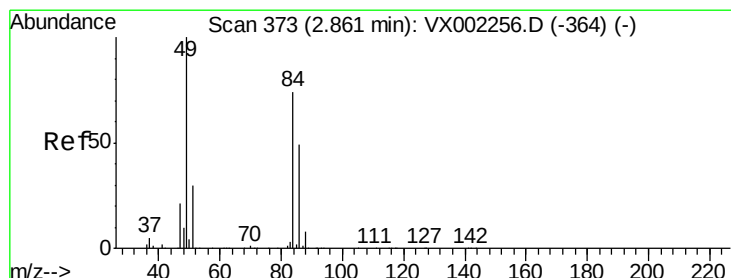
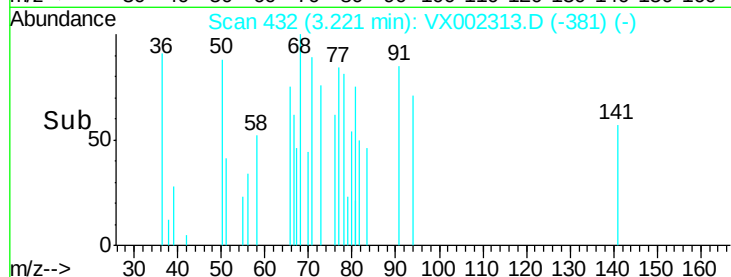
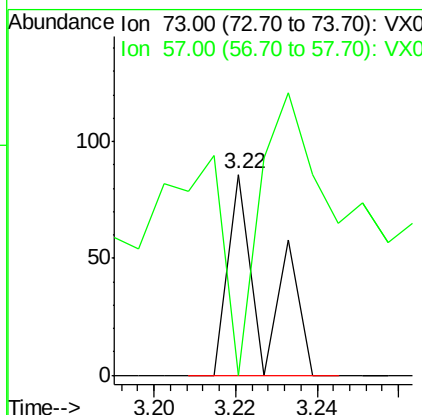
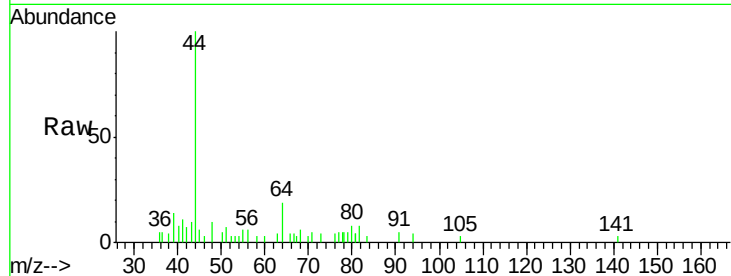


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.22 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: VX002313.D
 Acq: 05 Jun 2018 18:38

Instrument :
 MSVOA_X
 ClientSampled :

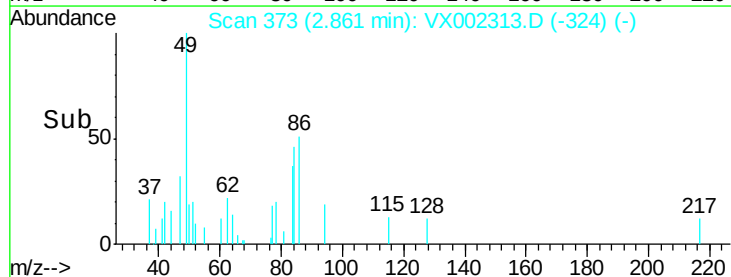
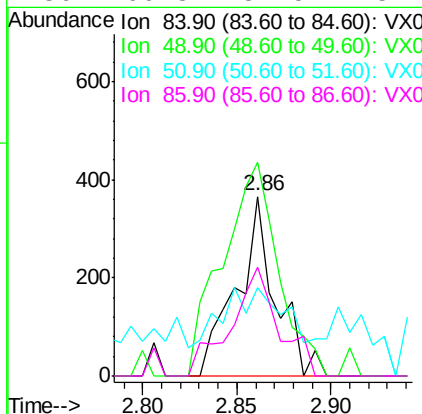
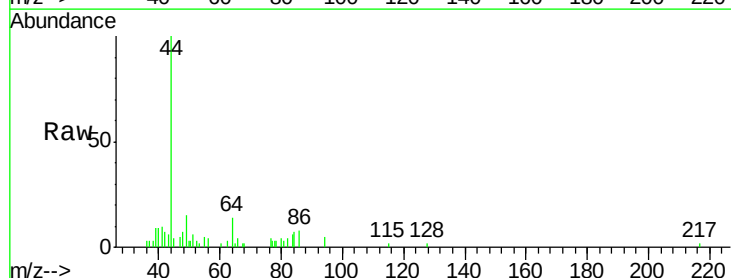
Tot Ion: 73 Resp: 53
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.7 26.5#

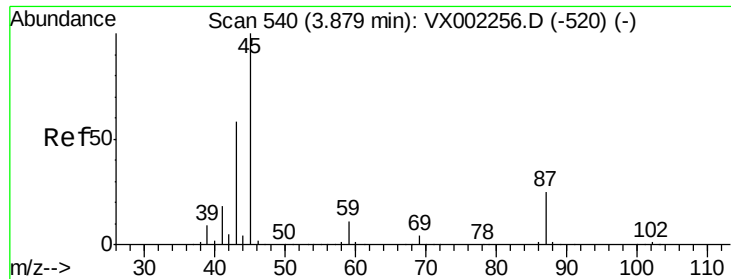


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002313.D
 Acq: 05 Jun 2018 18:38

Tgt Ion: 84 Resp: 522
 Ion Ratio Lower Upper
 84 100
 49 119.2 107.8 161.6
 51 33.7 32.8 49.2
 86 60.8 52.5 78.7



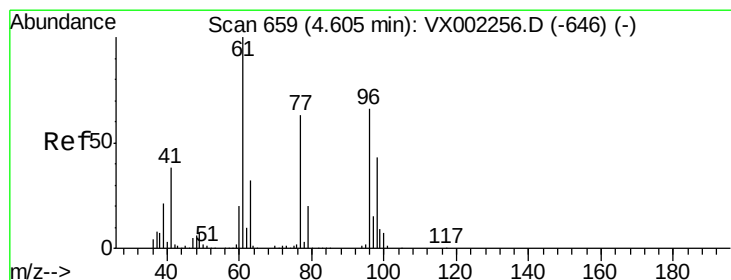
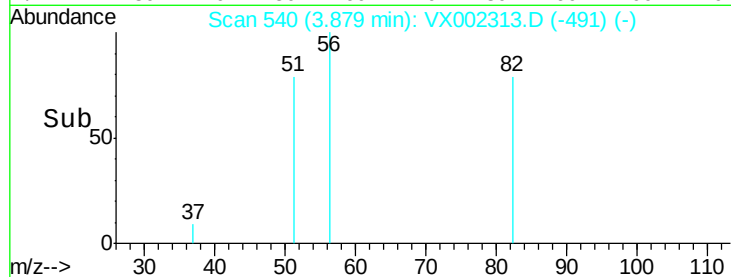
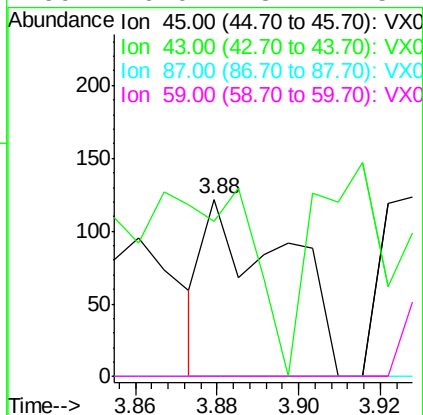
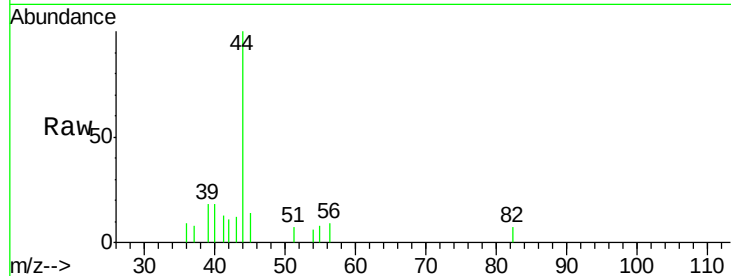


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Instrument :
MSVOA_X
ClientSampled :

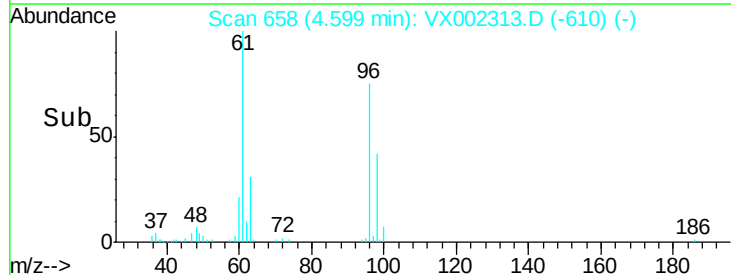
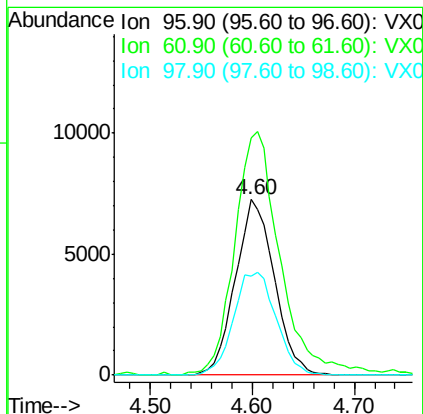
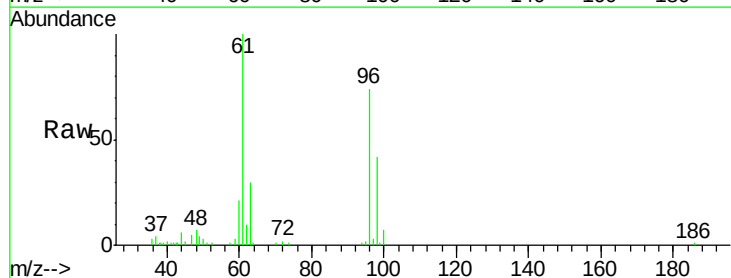
Tot Ion:	45	Resp:	166
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

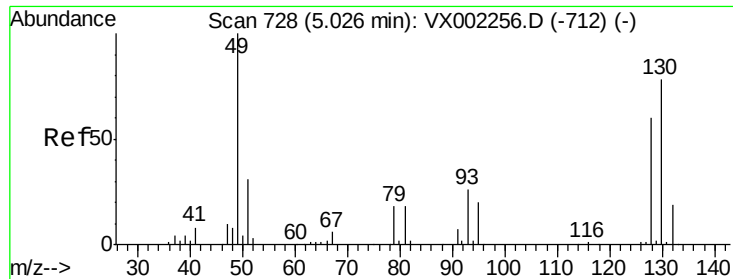


#27

cis-1,2-Dichloroethene
Concen: 6.44 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Tgt Ion:	96	Resp:	19276
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	330.2
98	63.8	0.0	130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 729

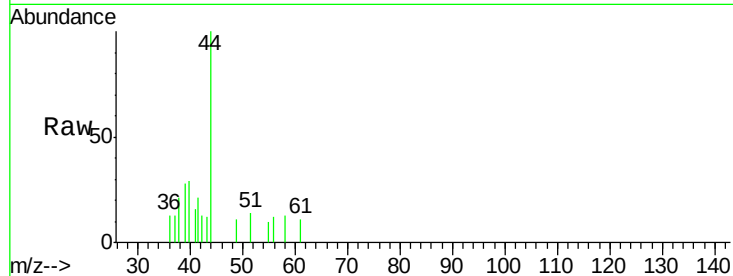
Delta R.T. 0.01 min

Lab File: VX002313.D

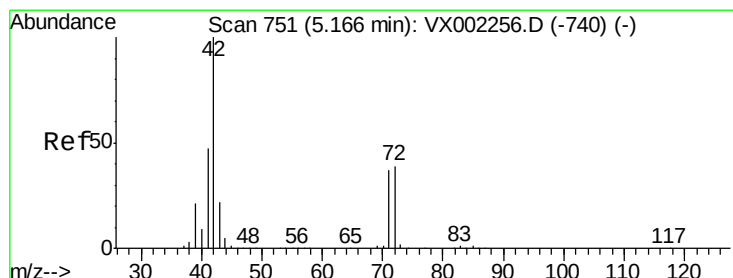
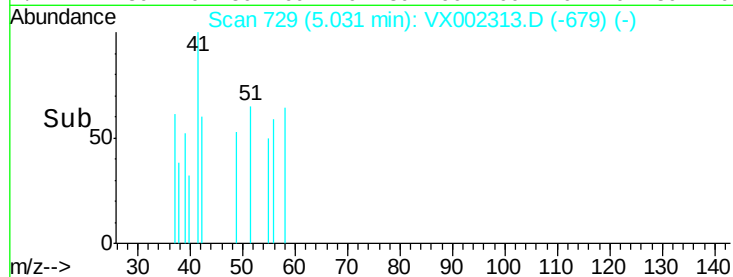
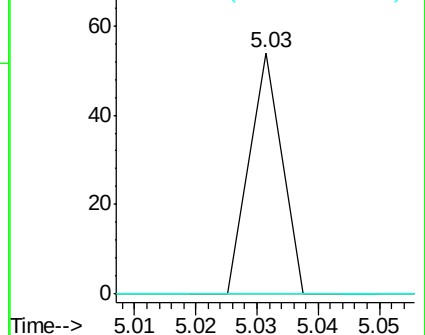
Acq: 05 Jun 2018 18:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 20
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



#29

Tetrahydrofuran

Concen: 0.26 ug/l

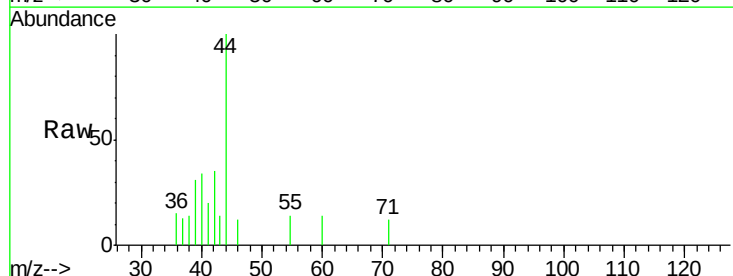
RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

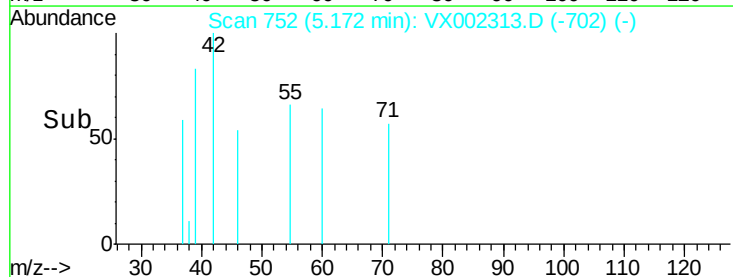
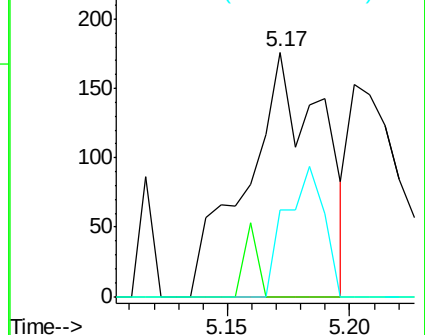
Lab File: VX002313.D

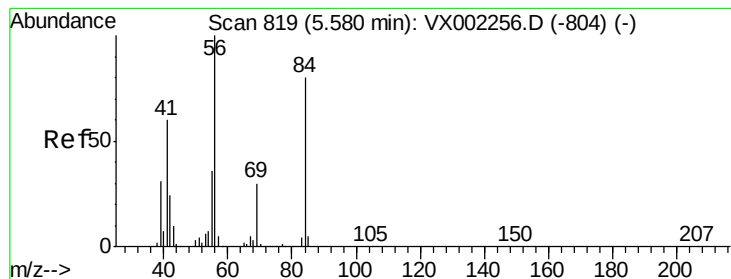
Acq: 05 Jun 2018 18:38

Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 27.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.28 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

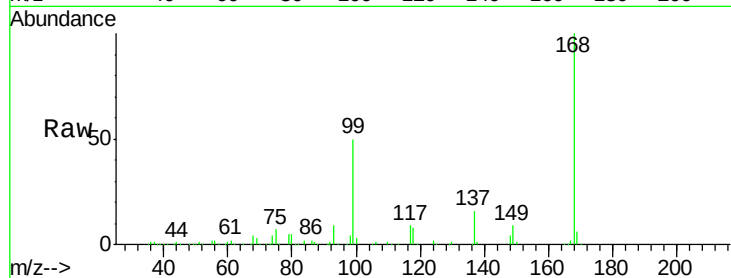
Tot Ion: 56 Resp: 5408

Ion Ratio Lower Upper

56 100

69 145.8 23.7 35.5#

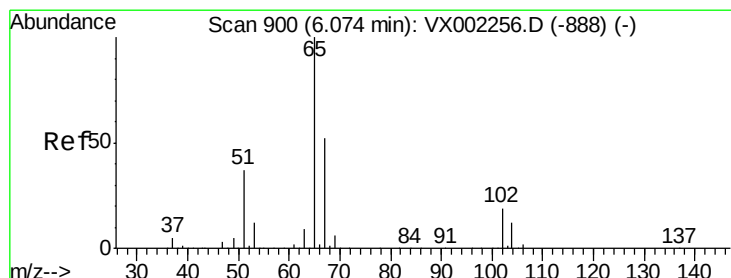
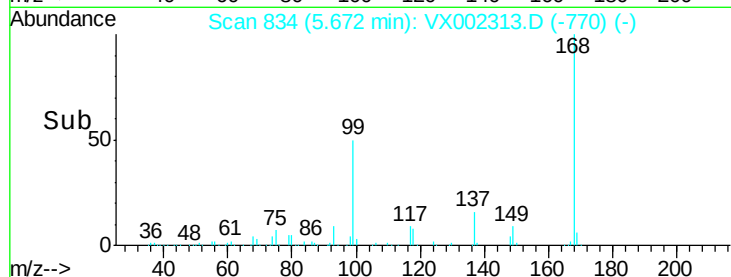
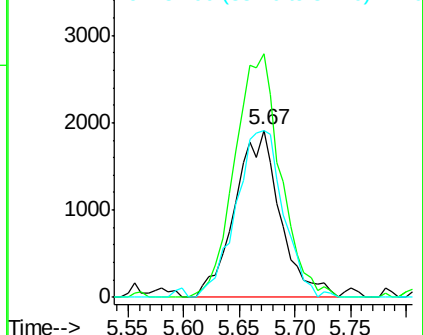
84 100.2 64.1 96.1#



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: 48.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002313.D

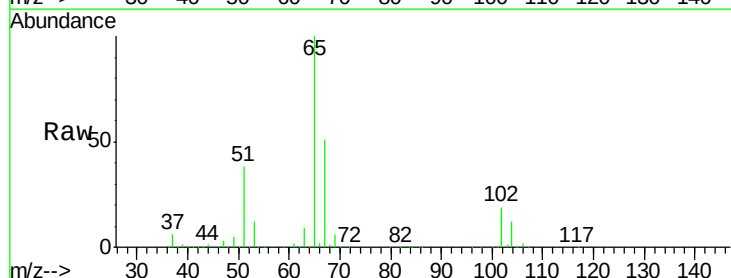
Acq: 05 Jun 2018 18:38

Tgt Ion: 65 Resp: 164327

Ion Ratio Lower Upper

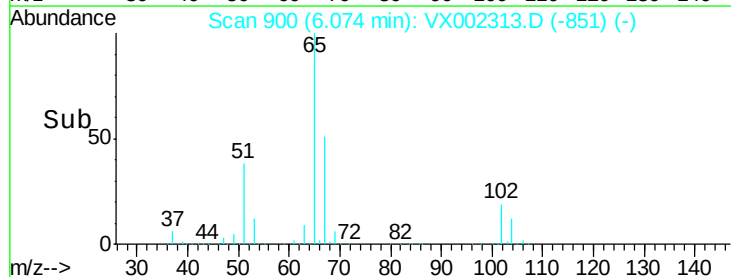
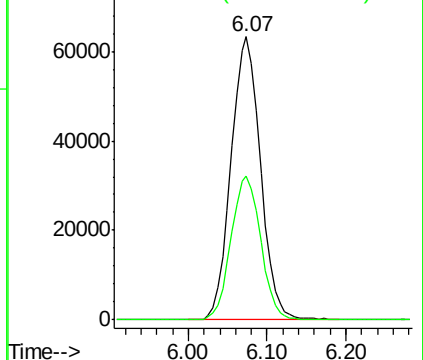
65 100

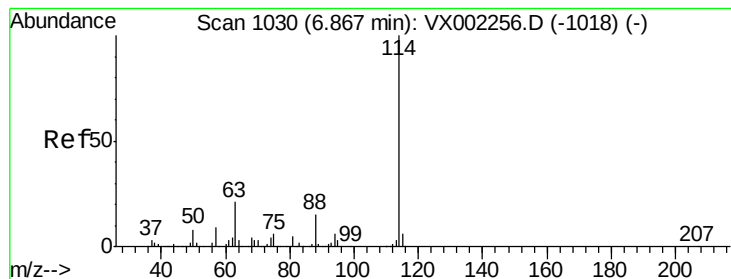
67 51.3 0.0 102.6



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: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

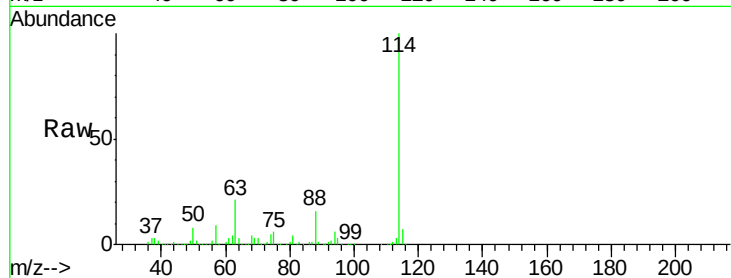
Tot Ion:114 Resp: 341827

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

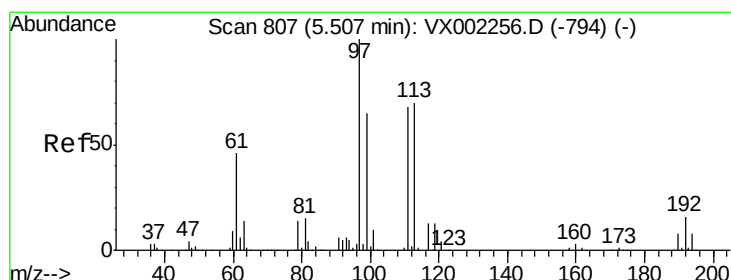
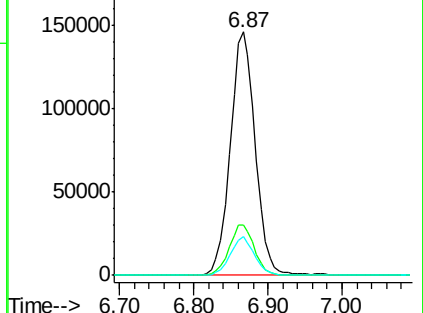
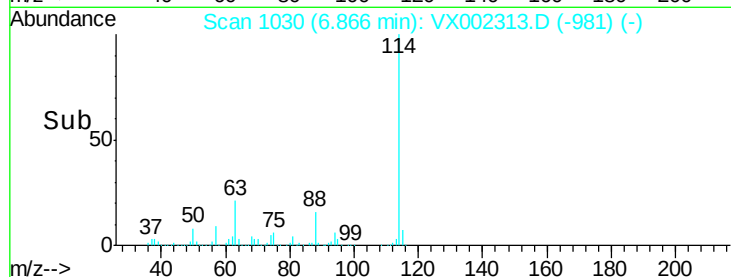
88 15.8 0.0 30.0



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: 44.51 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

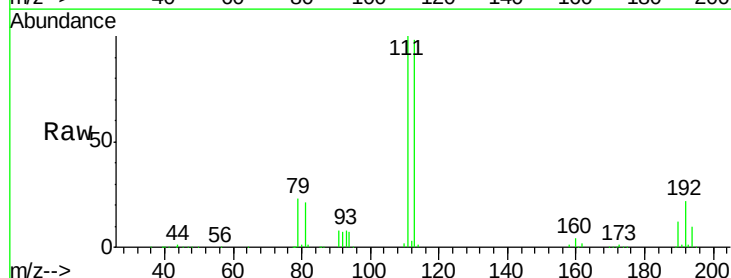
Tgt Ion:113 Resp: 119644

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

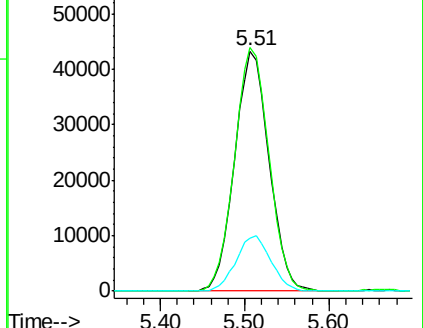
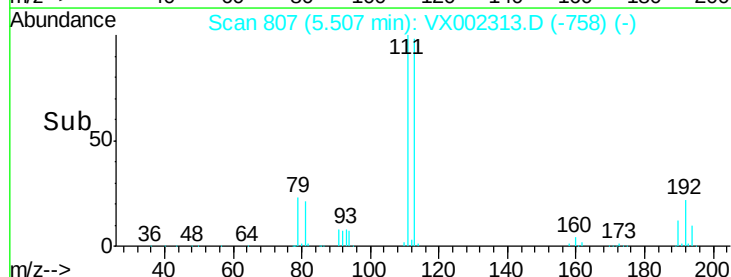
192 23.2 19.1 28.7

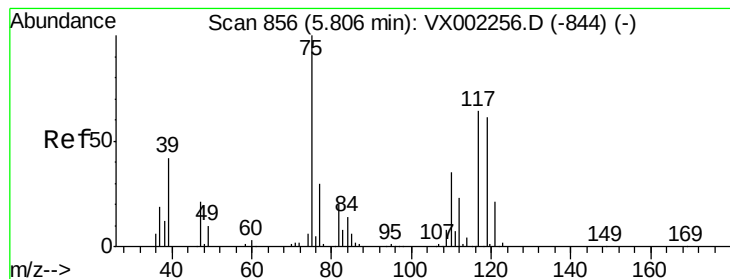


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.69 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

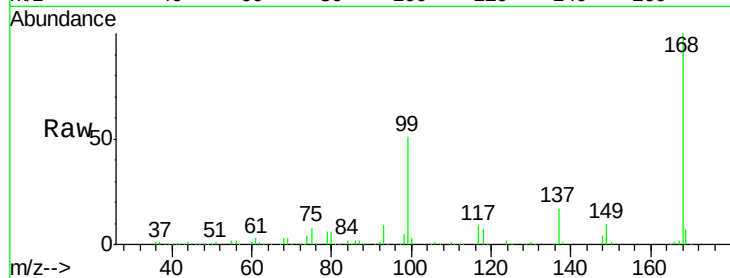
Tot Ion: 75 Resp: 16856

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

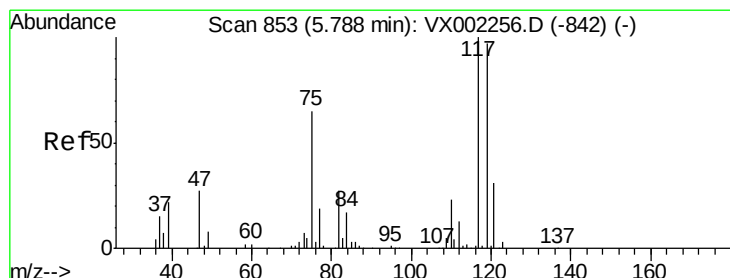
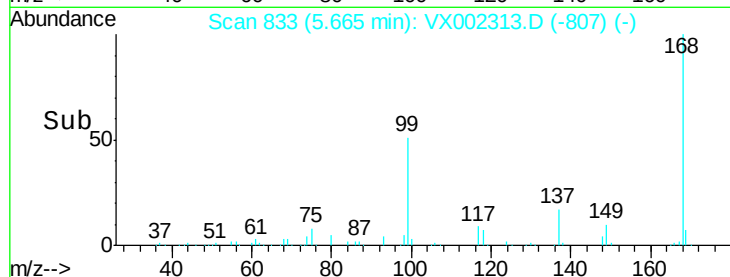
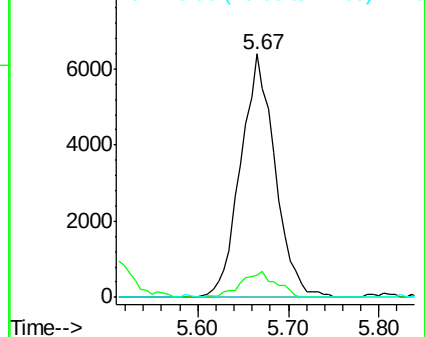
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.84 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

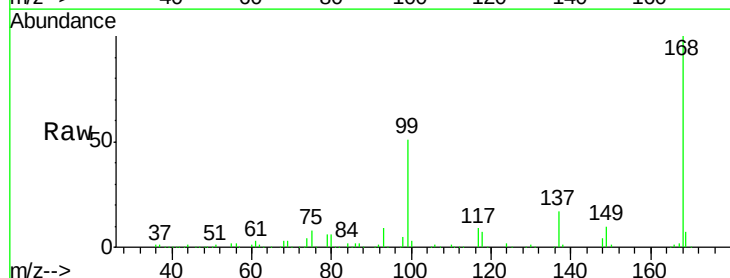
Tgt Ion: 117 Resp: 21973

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

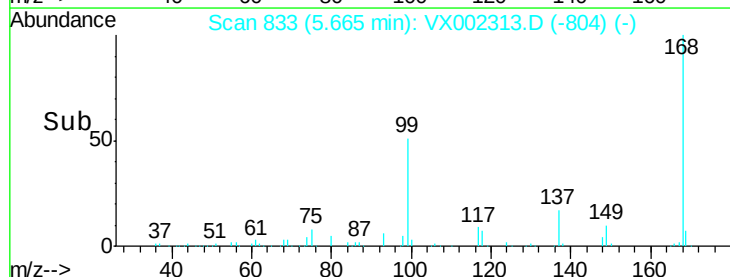
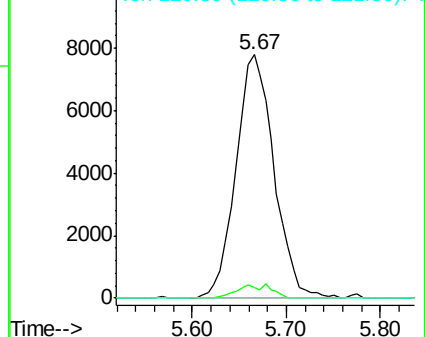
121 0.0 24.4 36.6#

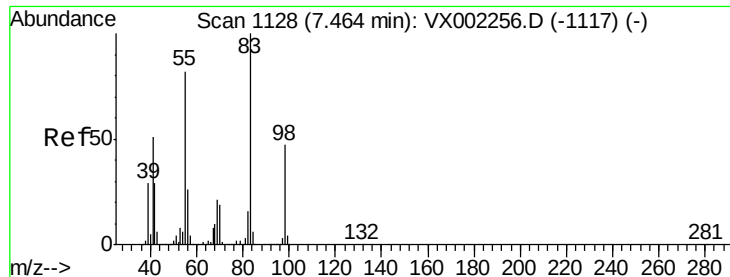


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

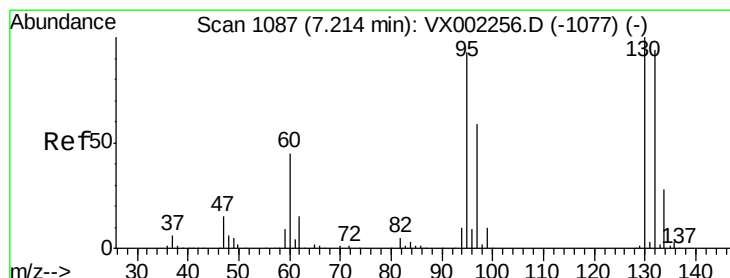
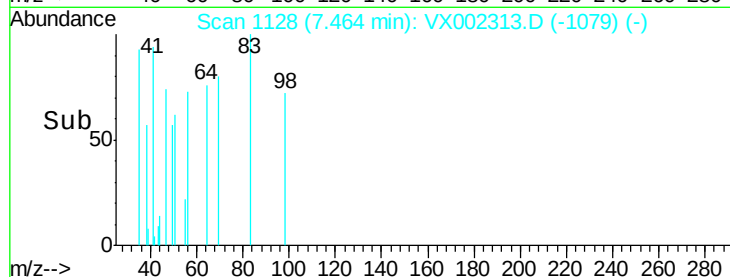
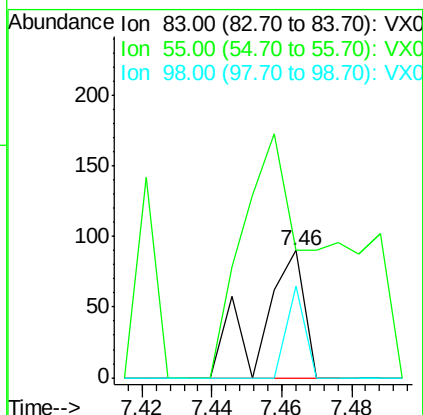
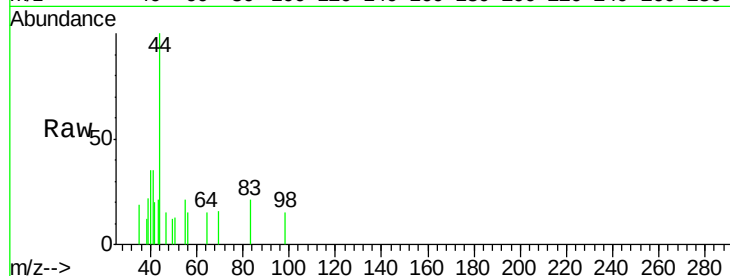




#39
Methylvlcyclohexane
Concen: 0.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

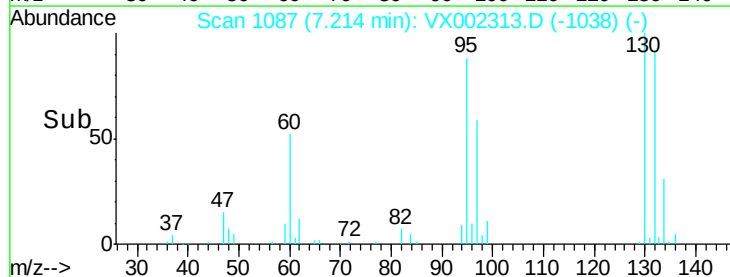
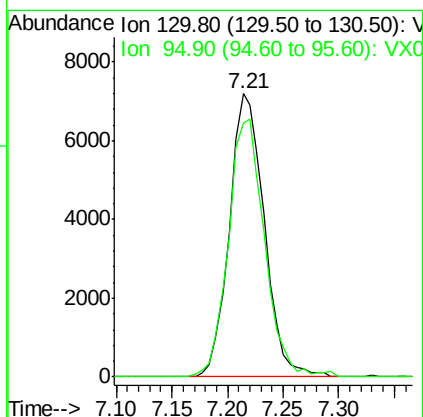
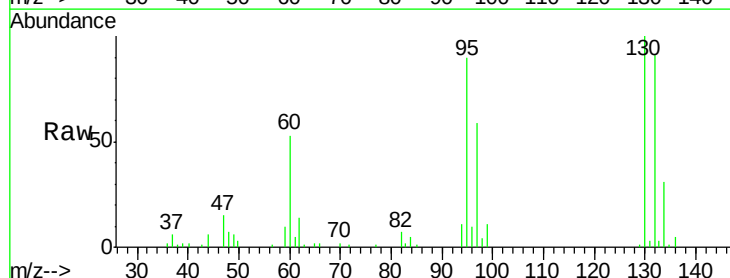
Instrument :
MSVOA_X
ClientSampleId :

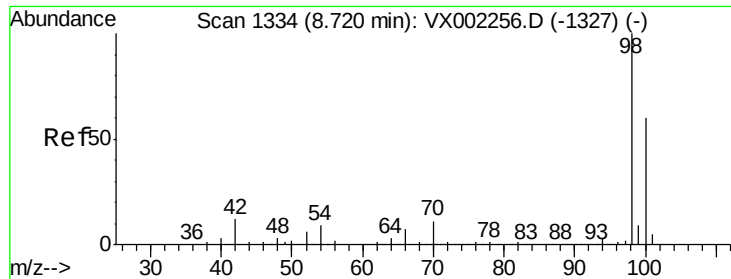
Tot Ion: 83 Resp: 77
Ion Ratio Lower Upper
83 100
55 100.0 65.4 98.0#
98 72.2 37.4 56.0#



#44
Trichloroethene
Concen: 5.09 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Tgt Ion:130 Resp: 15571
Ion Ratio Lower Upper
130 100
95 89.5 0.0 185.4

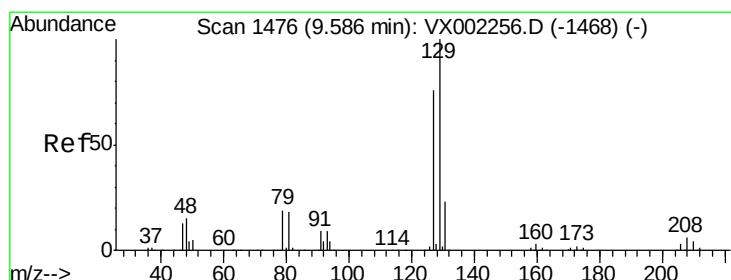
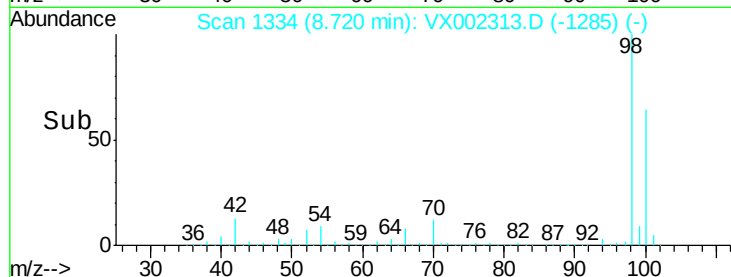
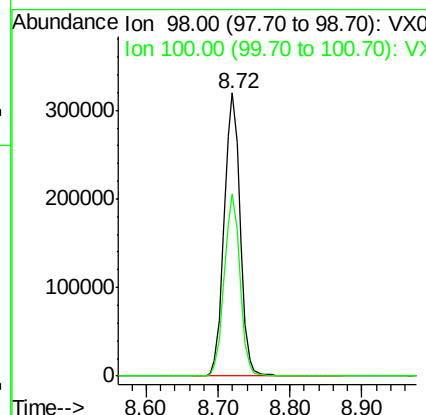
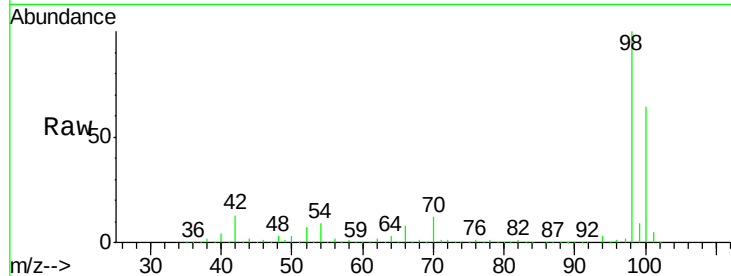




#50
Toluene-d8
Concen: 47.81 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

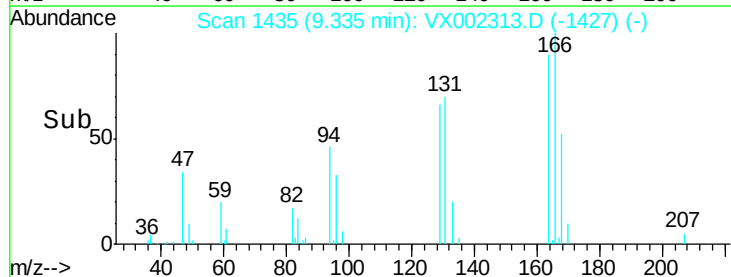
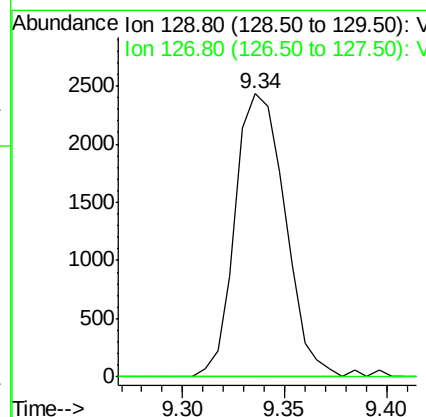
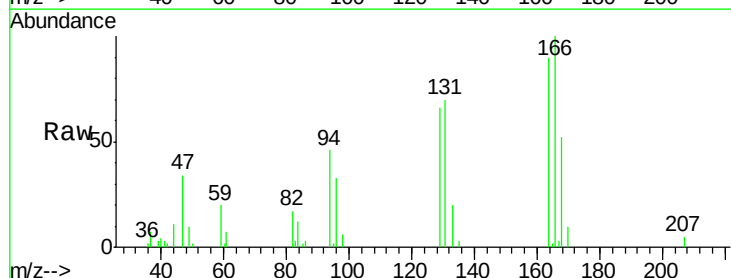
Instrument :
MSVOA_X
ClientSampleId :

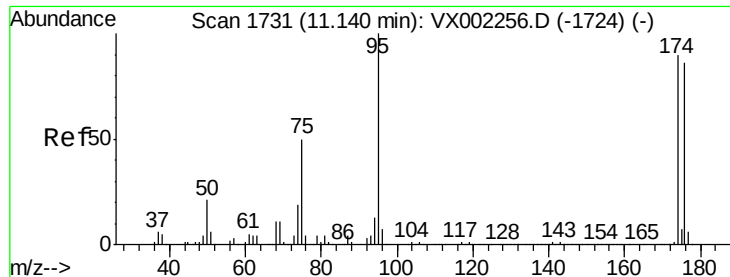
Tot Ion: 98 Resp: 492657
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#60
Dibromochloromethane
Concen: 1.42 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Tgt Ion: 129 Resp: 4125
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

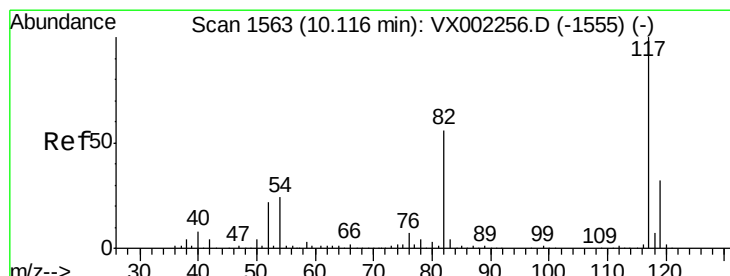
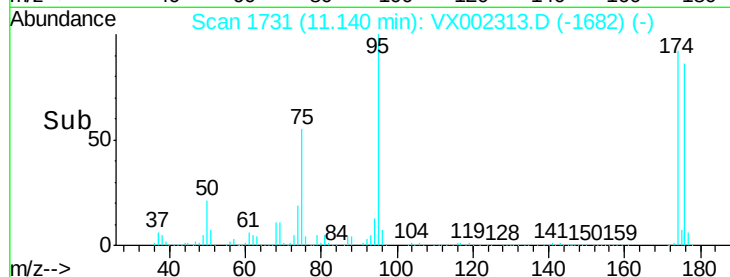
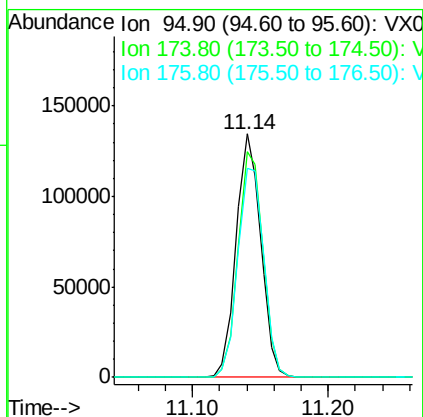
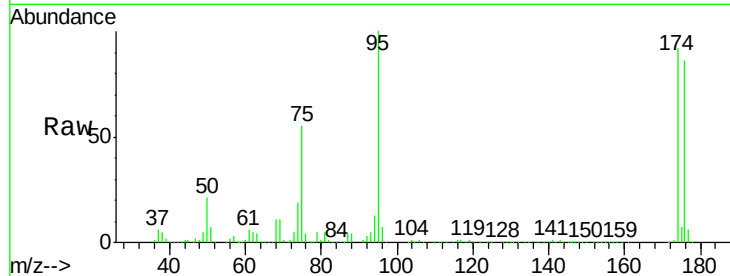




#62
4-Bromofluorobenzene
Concen: 42.68 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

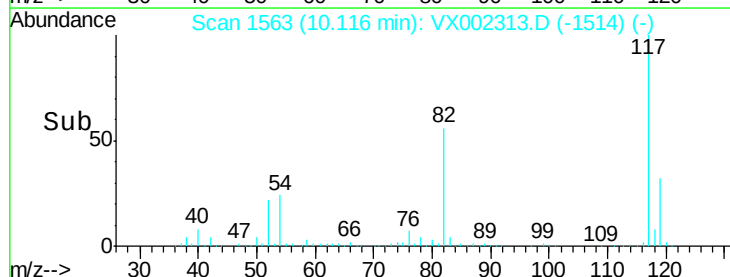
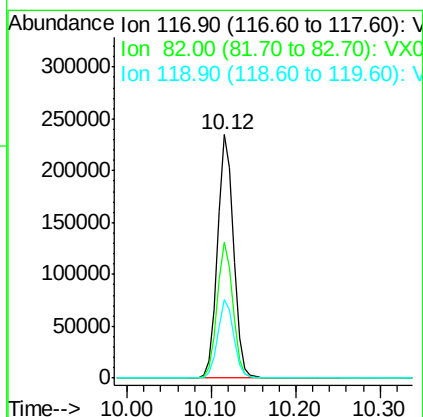
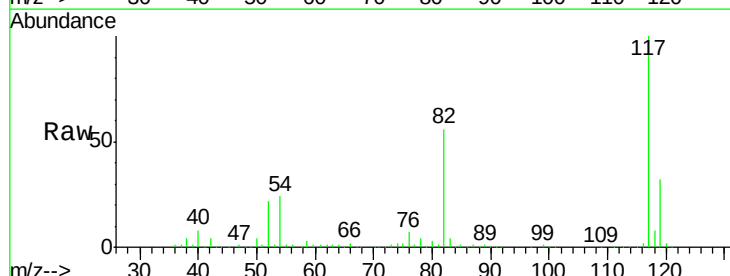
Instrument :
MSVOA_X
ClientSampleId :

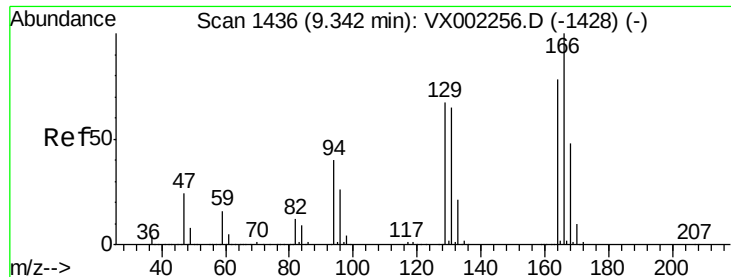
Tot Ion: 95 Resp: 169584
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.4
176 91.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002313.D
Acq: 05 Jun 2018 18:38

Tgt Ion: 117 Resp: 312220
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.2 25.8 38.6





#64

Tetrachloroethene

Concen: 1.51 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:164 Resp: 4860

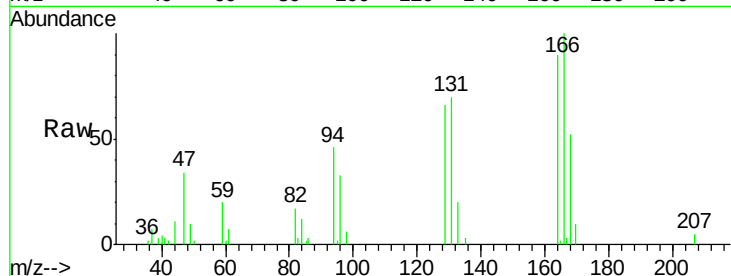
Ion Ratio Lower Upper

164 100

166 111.3 102.9 154.3

129 73.3 68.6 102.8

131 77.6 66.8 100.2

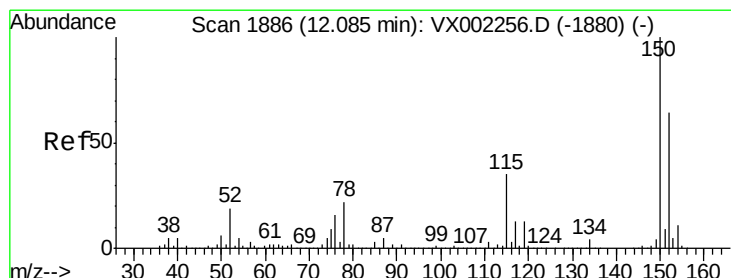
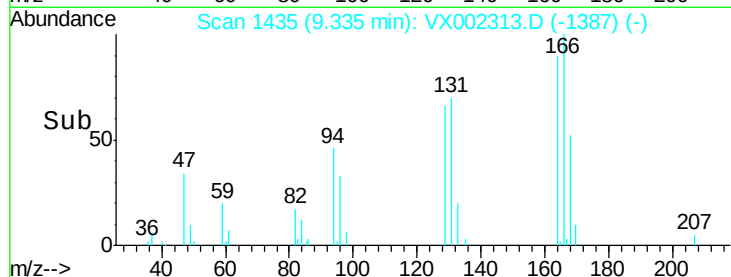
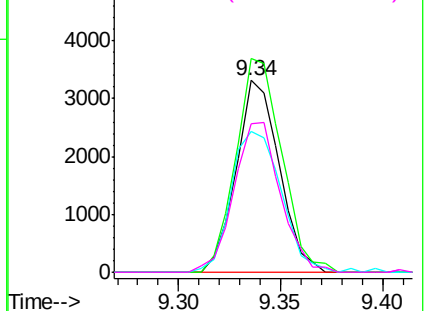


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002313.D

Acq: 05 Jun 2018 18:38

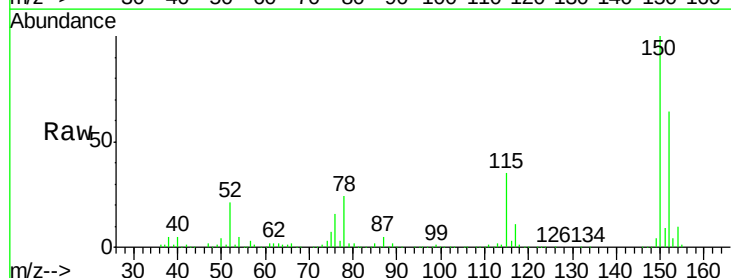
Tgt Ion:152 Resp: 175566

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

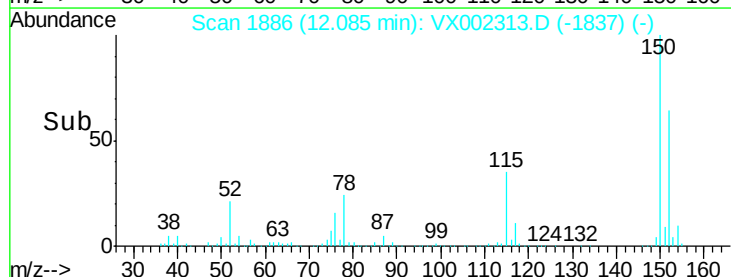
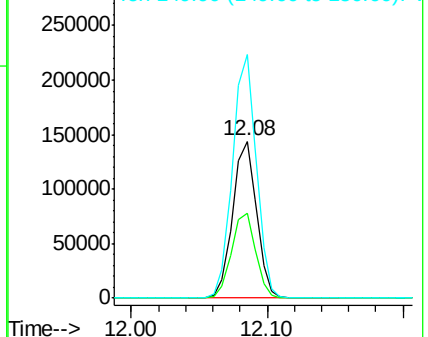
150 155.3 0.0 347.2

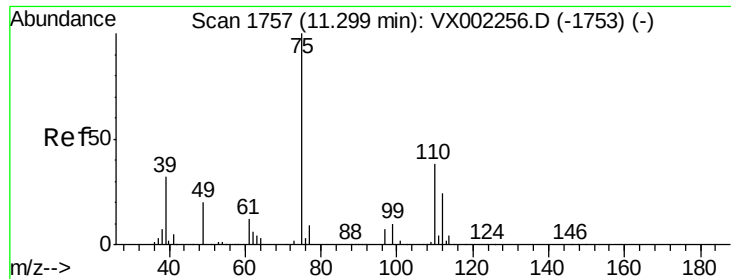


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

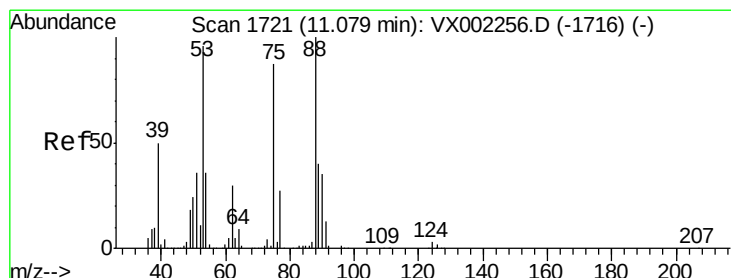
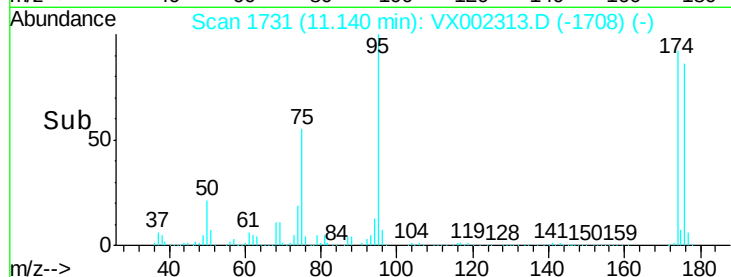
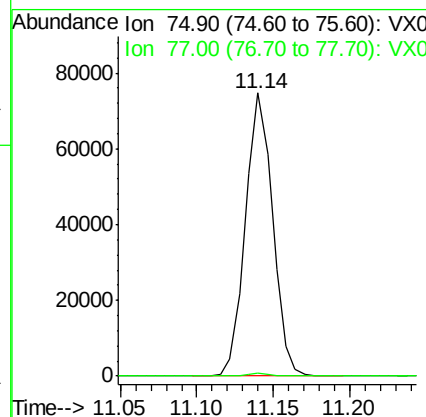
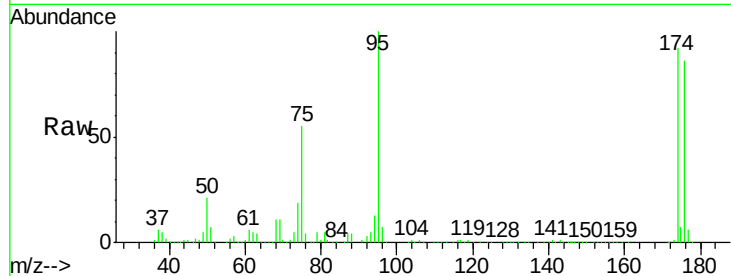




#76
 1,2,3-Trichloropropane
 Concen: 24.00 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002313.D
 Acq: 05 Jun 2018 18:38

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 92446
 Ion Ratio Lower Upper
 75 100
 77 1.0 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.12 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002313.D
 Acq: 05 Jun 2018 18:38

Tgt Ion: 75 Resp: 92446
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

