

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002542.D
 Acq On : 14 Jun 2018 07:08
 Operator : JC/MD
 Sample : J3413-10
 Misc : 7.51µ/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 07:36:25 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	5.66	168	286012	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	404406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	389788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261164	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	181832	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	
35) Dibromofluoromethane	5.51	113	134291	42.23	ug/l	0.00
Spiked Amount			Recovery	=	84.46%	
50) Toluene-d8	8.72	98	571801	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.15	95	237048	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	766	Below Cal	#	66
5) Bromomethane	1.64	94	1301	Below Cal		88
8) Diethyl Ether	2.19	74	261	Below Cal		91
10) Methyl Iodide	2.50	142	1355	0.31	ug/l	# 39
11) Tert butyl alcohol	3.03	59	29687	16.97	ug/l	# 73
13) Acrolein	2.29	56	126	Below Cal	#	14
14) Allyl chloride	2.80	41	18974	2.87	ug/l	# 65
15) Acrylonitrile	3.14	53	2588	Below Cal	#	46
16) Acetone	2.43	43	218	Below Cal	#	47
18) Methyl Acetate	2.81	43	46468	9.14	ug/l	# 58
19) Methyl tert-butyl Ether	3.17	73	94	Below Cal	#	1
20) Methylene Chloride	2.84	84	1038	Below Cal	#	33
22) Diisopropyl ether	3.89	45	223	Below Cal	#	60
28) Bromochloromethane	5.01	49	48	Below Cal	#	13
30) Chloroform	5.24	83	3576	0.57	ug/l	87
31) Cyclohexane	5.57	56	51632	10.00	ug/l	# 74
36) 1,1-Dichloropropene	5.66	75	18764	4.41	ug/l	# 52
38) Carbon Tetrachloride	5.66	117	25677	5.77	ug/l	# 16
39) Methylcyclohexane	7.46	83	122670	23.49	ug/l	98
40) Benzene	6.13	78	38233	2.93	ug/l	95
43) Isopropyl Acetate	6.34	43	102559	11.81	ug/l	# 63
46) Dibromomethane	7.63	93	513	0.22	ug/l	# 1
47) Bromodichloromethane	7.85	83	4050	0.94	ug/l	# 11
48) Methyl methacrylate	7.73	41	13807	3.17	ug/l	# 62
51) 4-Methyl-2-Pentanone	8.68	43	58777	10.87	ug/l	# 70
52) Toluene	8.79	92	10691	1.29	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	74668	21.90	ug/l	# 18
56) Ethyl methacrylate	9.16	69	19676	3.61	ug/l	# 1
59) 2-Hexanone	9.45	43	129128	30.91	ug/l	# 33
60) Dibromochloromethane	9.55	129	807	0.24	ug/l	# 32
65) Chlorobenzene	10.07	112	2067	0.21	ug/l	# 56
67) Ethyl Benzene	10.26	91	947849	58.40	ug/l	98
68) m/p-Xylenes	10.37	106	206843	32.78	ug/l	100
69) o-Xylene	10.70	106	24170	3.85	ug/l	98

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 Misc : 7.51µ/5mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 45 Sample Multiplier: 1

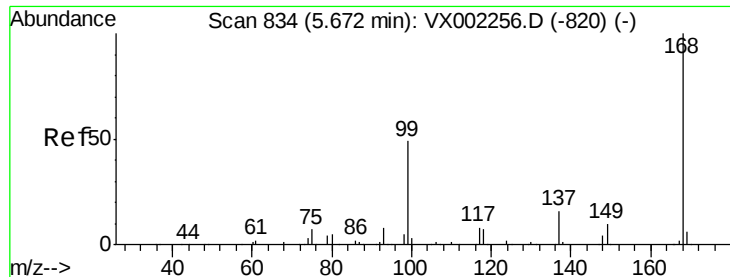
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 07:36:25 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)

71) Bromoform	10.87	173	159	3.50	µg/l #	28
73) Isopropylbenzene	11.02	105	235045	12.94	µg/l	100
74) N-amyl acetate	6.34	43	102559	10.48	µg/l #	60
75) 1,1,2,2-Tetrachloroethane	11.28	83	60824	10.64	µg/l #	26
76) 1,2,3-Trichloropropane	11.37	75	5675	0.99	µg/l #	1
78) n-propylbenzene	11.37	91	886451	43.90	µg/l	100
79) 2-Chlorotoluene	11.46	91	142240	11.16	µg/l #	41
80) 1,3,5-Trimethylbenzene	11.51	105	1429280	91.72	µg/l	100
81) trans-1,4-Dichloro-2-buten	11.15	75	120831	73.91	µg/l #	14
82) 4-Chlorotoluene	11.51	91	160950	10.94	µg/l #	45
83) tert-Butylbenzene	11.82	119	636439	41.94	µg/l #	59
84) 1,2,4-Trimethylbenzene	11.82	105	4975472	310.18	µg/l	97
85) sec-Butylbenzene	11.95	105	328818	18.48	µg/l	78
86) p-Isopropyltoluene	12.07	119	214772	13.25	µg/l	98
89) n-Butylbenzene	12.39	91	778220	57.26	µg/l #	32
90) Hexachloroethane	12.62	117	96567	37.33	µg/l #	1
91) 1,2-Dichlorobenzene	12.33	146	2582	0.27	µg/l #	25
92) 1,2-Dibromo-3-Chloropropan	13.02	75	12108	9.69	µg/l #	1
93) 1,2,4-Trichlorobenzene	13.60	180	6904	1.04	µg/l #	1
95) Naphthalene	13.84	128	2026126	106.58	µg/l #	96
96) 1,2,3-Trichlorobenzene	14.04	180	9229	1.37	µg/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

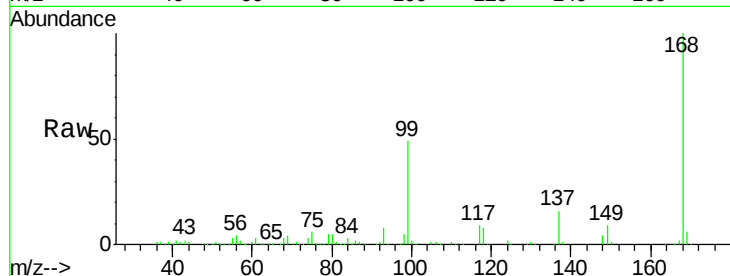
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 286012

Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

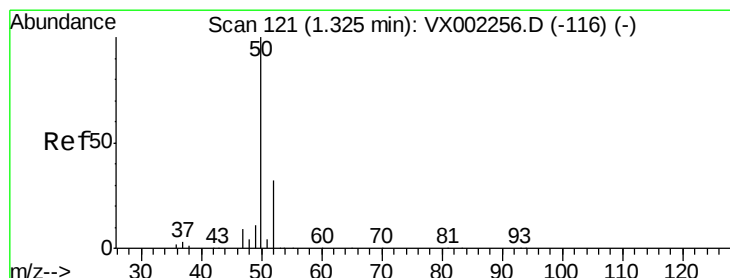
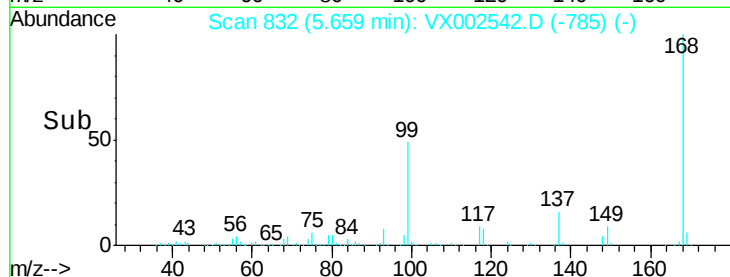
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002542.D

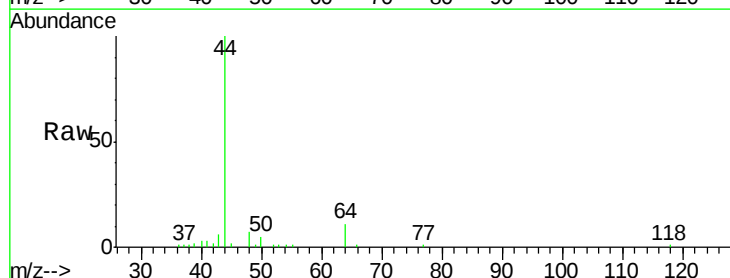
Acq: 14 Jun 2018 07:08

Tgt Ion: 50 Resp: 766

Ion Ratio Lower Upper

50 100

52 13.0 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

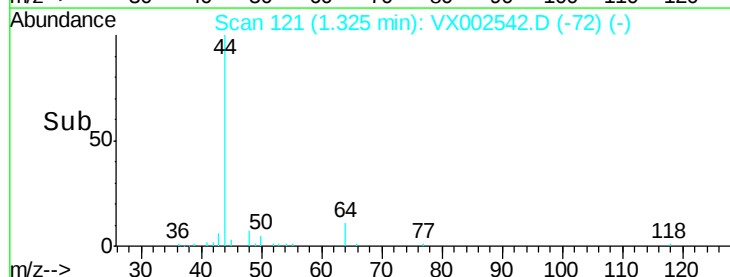
300

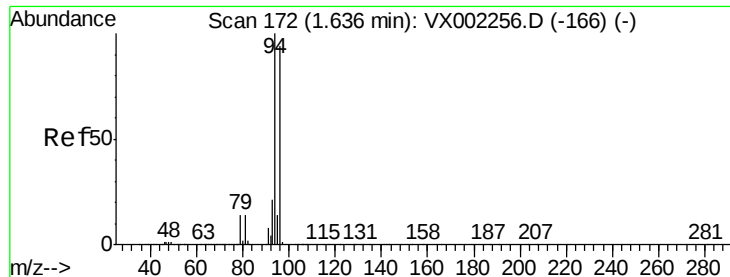
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

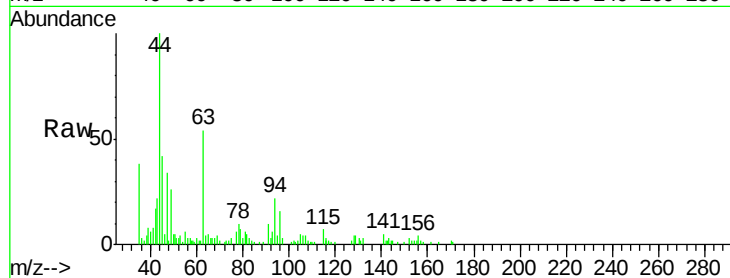
ClientSampleId :

Tot Ion: 94 Resp: 1301

Ion Ratio Lower Upper

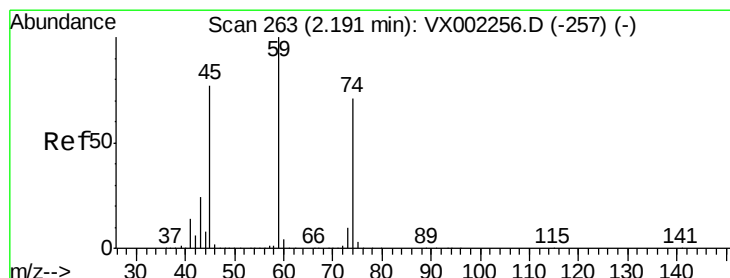
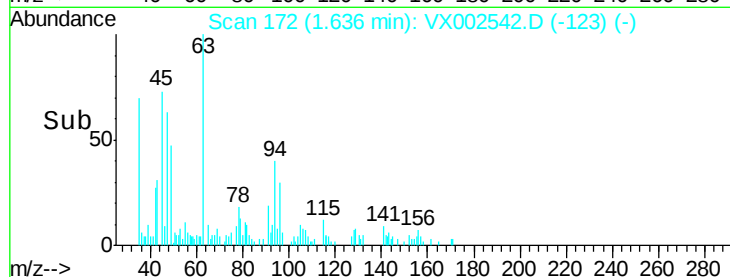
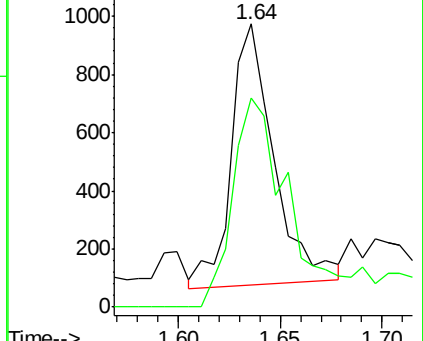
94 100

96 81.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002542.D

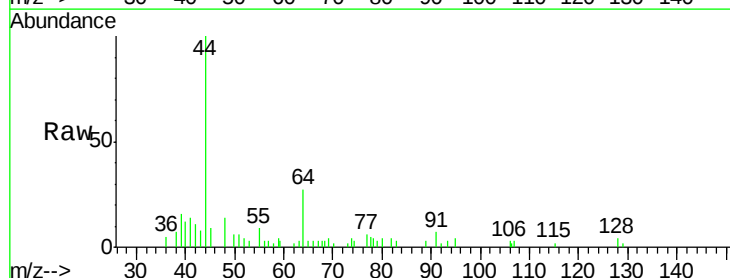
Acq: 14 Jun 2018 07:08

Tgt Ion: 74 Resp: 261

Ion Ratio Lower Upper

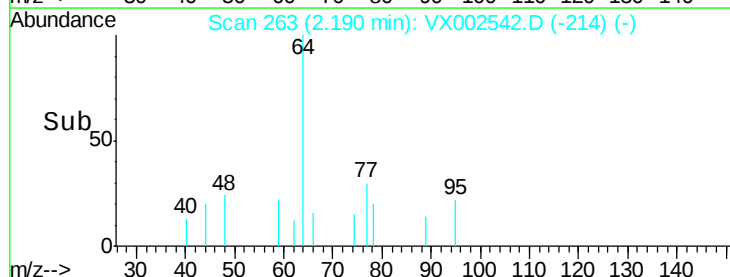
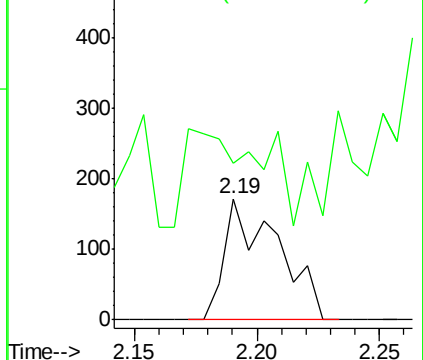
74 100

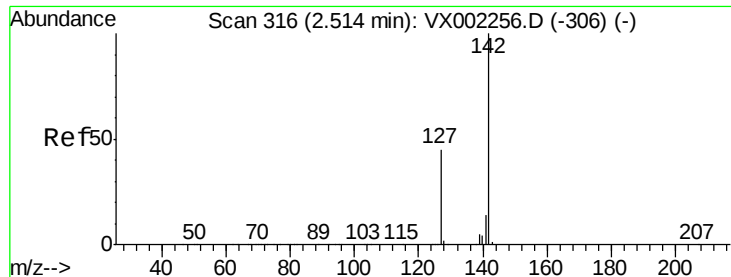
45 115.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

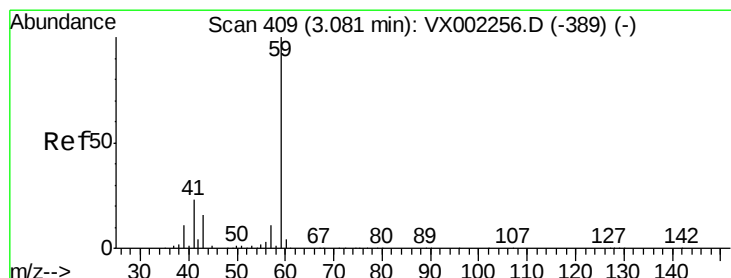
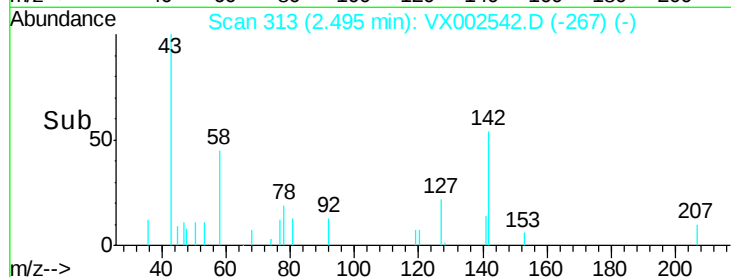
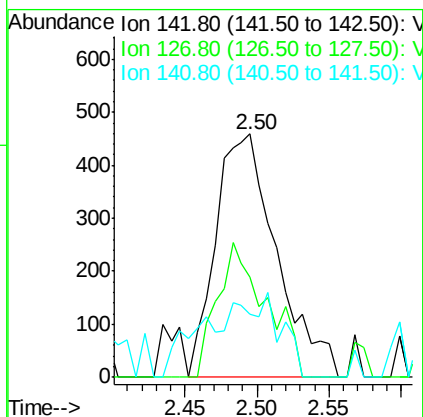
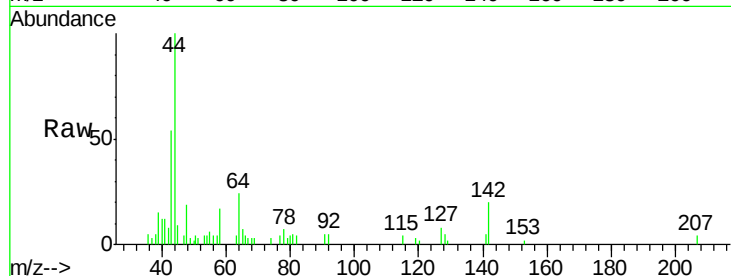




#10
Methvl Iodide
Concen: 0.31 ug/l
RT: 2.50 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

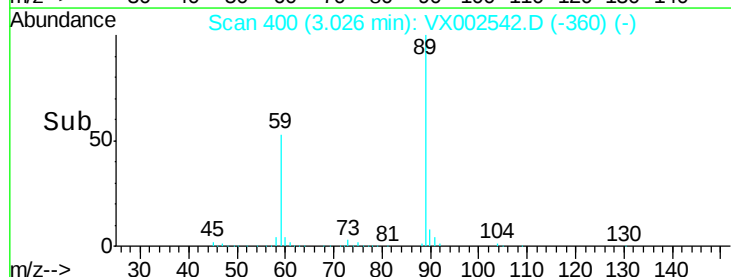
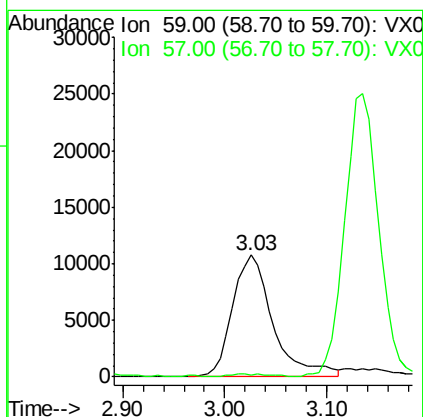
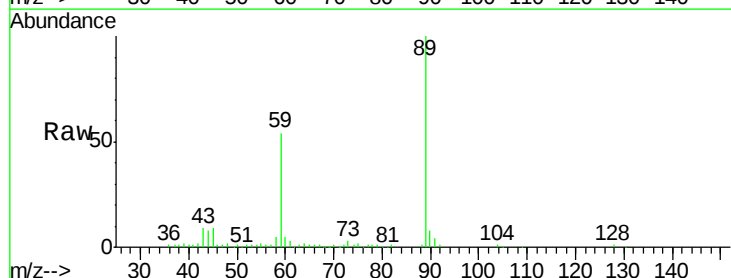
Instrument :
MSVOA_X
ClientSampleId :

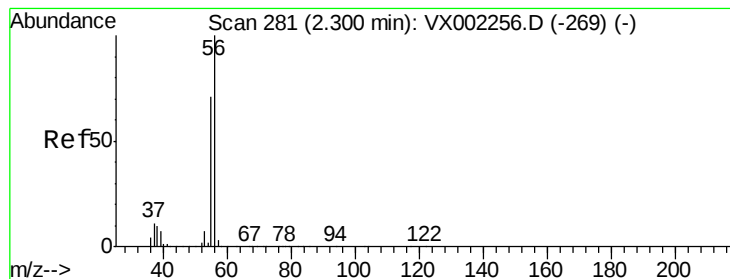
Tot Ion:142 Resp: 1355
Ion Ratio Lower Upper
142 100
127 0.0 36.6 55.0#
141 27.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 16.97 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 59 Resp: 29687
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

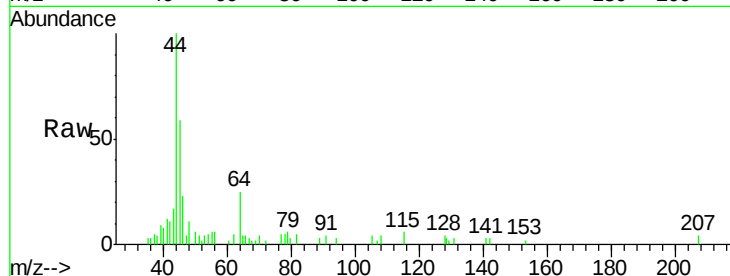
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

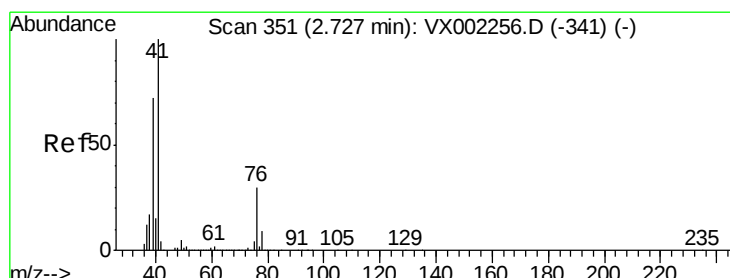
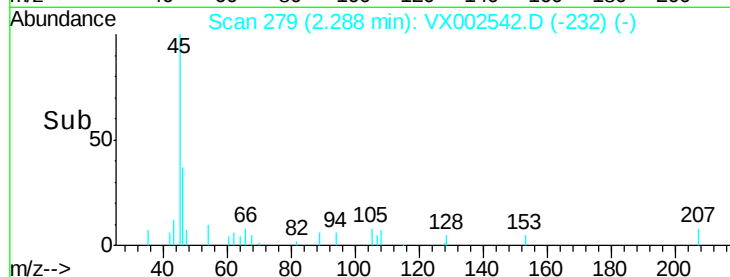
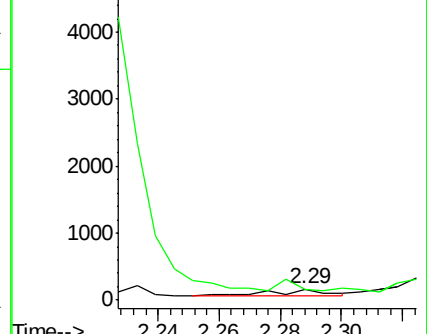
56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.87 ug/l

RT: 2.80 min Scan# 363

Delta R.T. 0.07 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

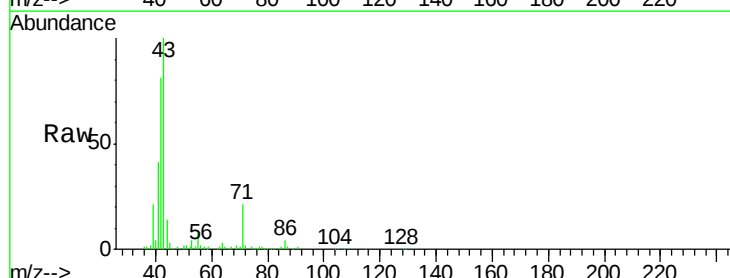
Tgt Ion: 41 Resp: 18974

Ion Ratio Lower Upper

41 100

39 49.1 56.8 85.2#

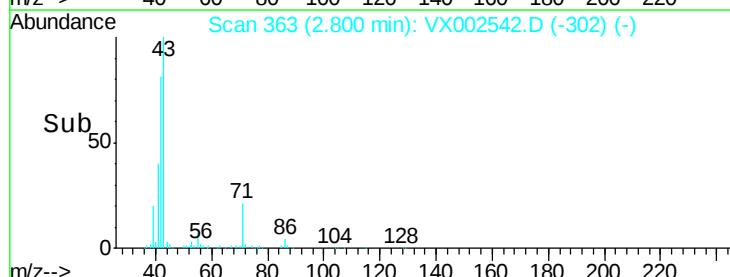
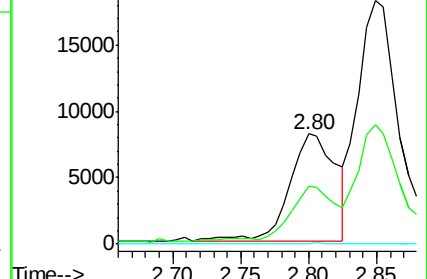
76 0.4 23.8 35.8#

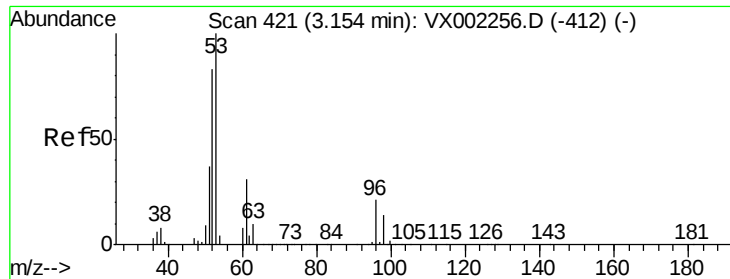


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

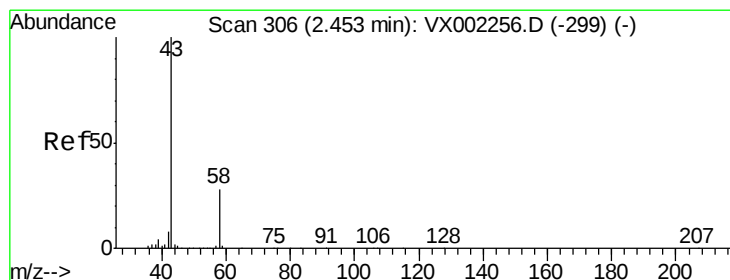
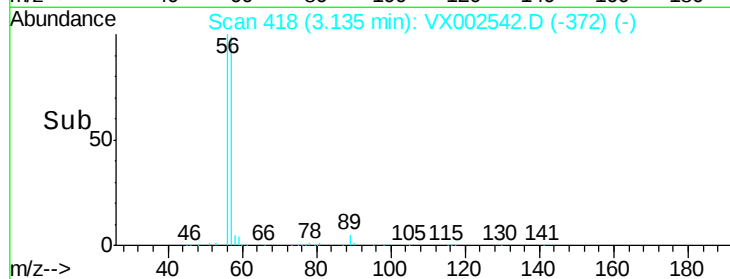
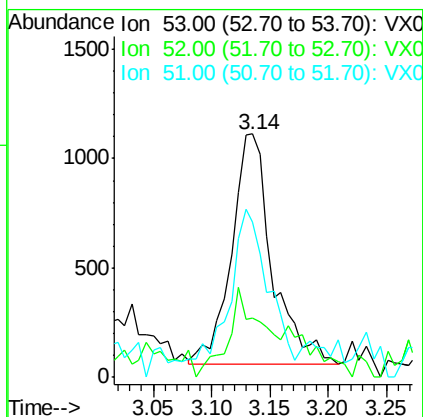
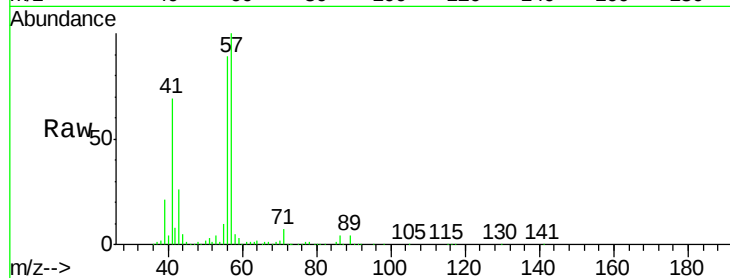




#15
Acrylonitrile
Concen: Below Cal
RT: 3.14 min Scan# 418
Delta R.T. -0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

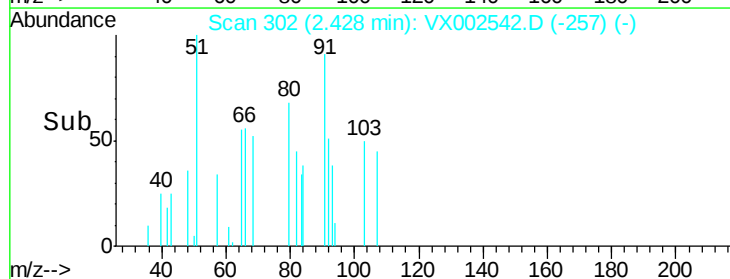
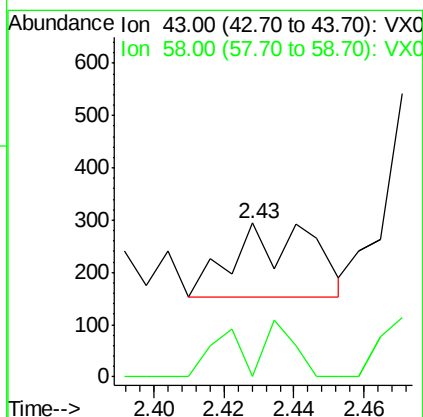
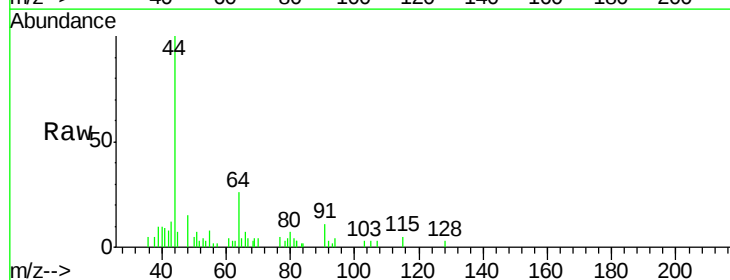
Instrument :
MSVOA_X
ClientSampled :

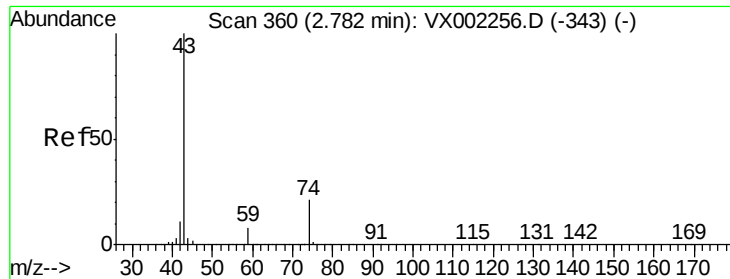
Tot Ion: 53 Resp: 2588
Ion Ratio Lower Upper
53 100
52 33.4 66.7 100.1#
51 67.7 29.9 44.9#



#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 302
Delta R.T. -0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

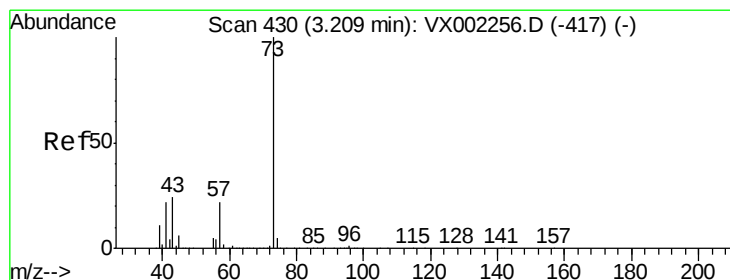
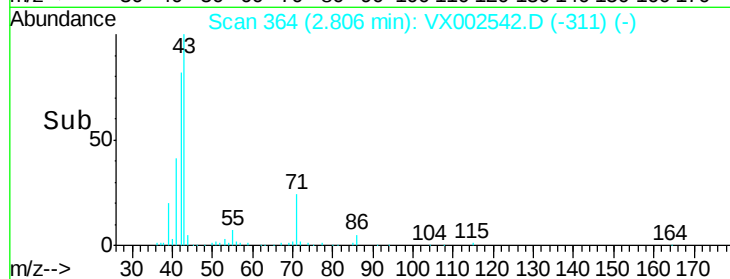
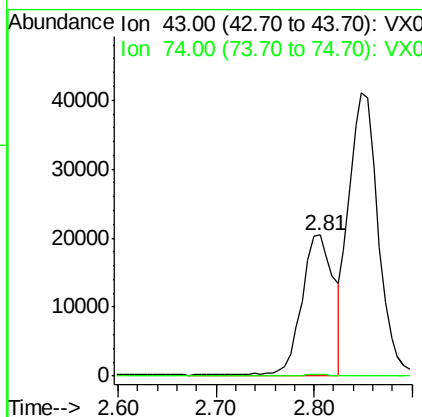
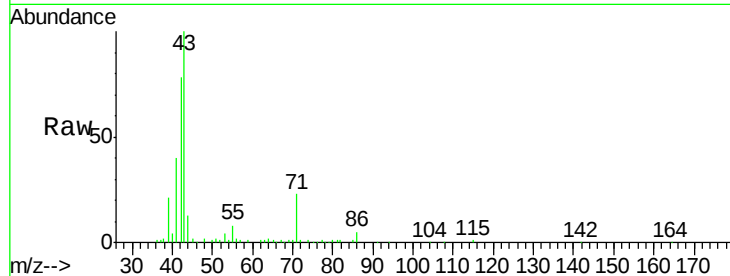




#18
Methyl Acetate
Concen: 9.14 ug/l
RT: 2.81 min Scan# 364
Delta R.T. 0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

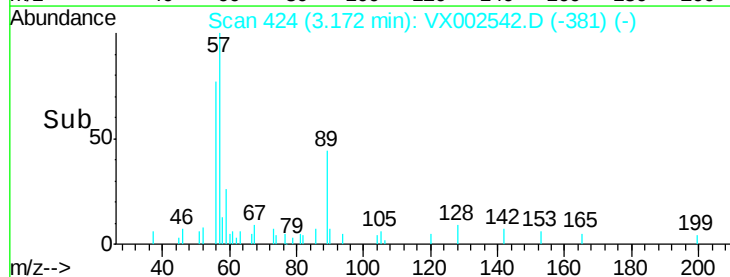
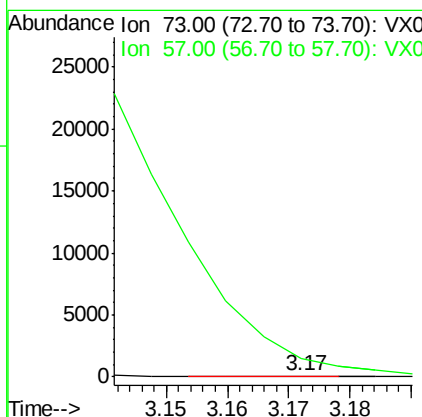
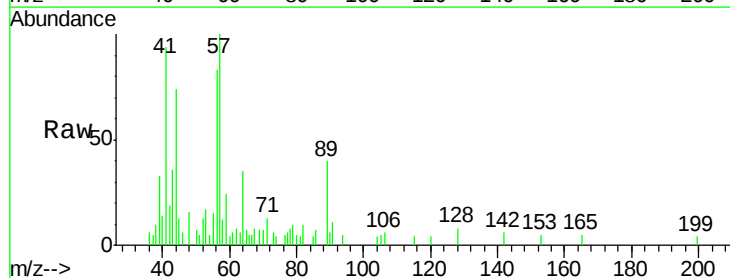
Instrument :
MSVOA_X
ClientSampled :

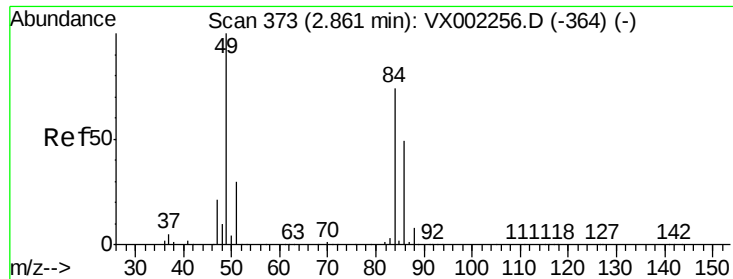
Tot Ion: 43 Resp: 46468
Ion Ratio Lower Upper
43 100
74 1.5 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. -0.04 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 73 Resp: 94
Ion Ratio Lower Upper
73 100
57 645.6 17.7 26.5#

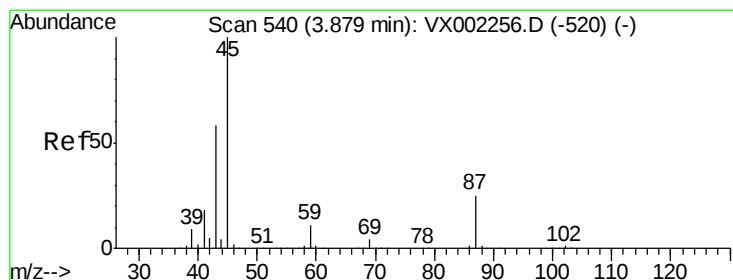
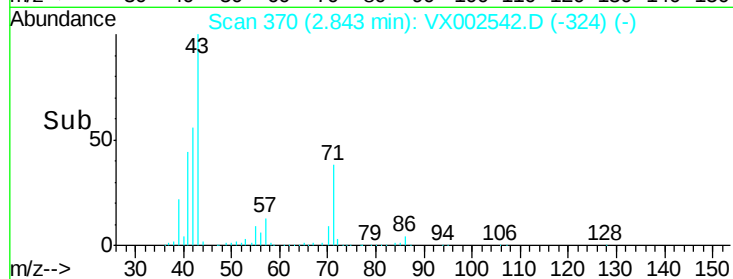
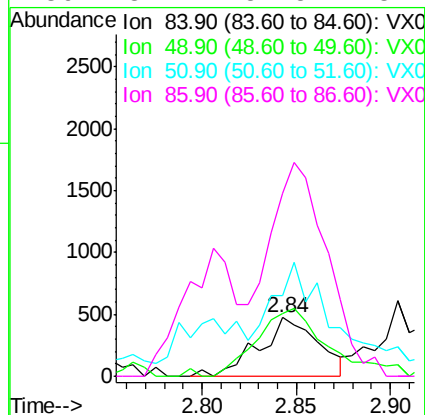
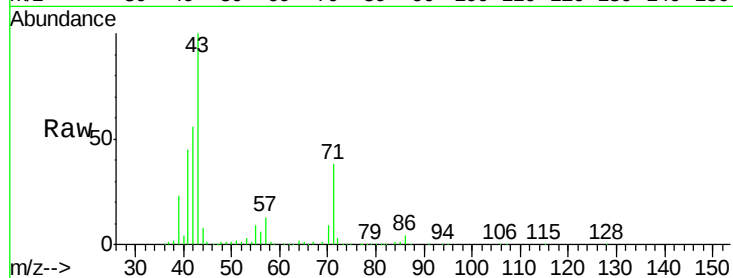




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

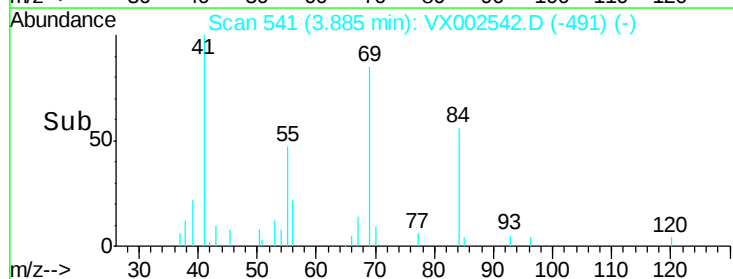
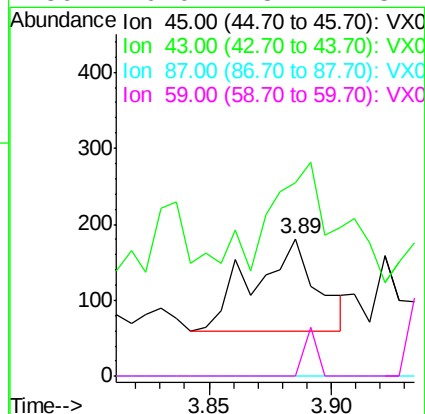
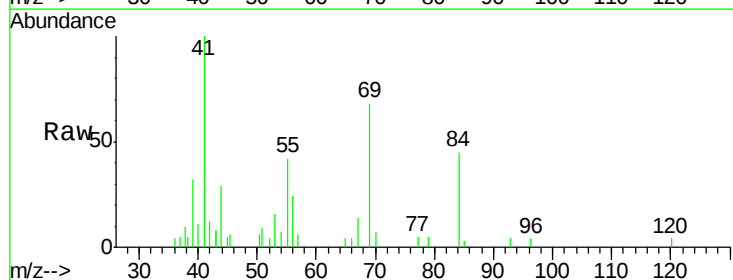
Instrument :
MSVOA_X
ClientSampled :

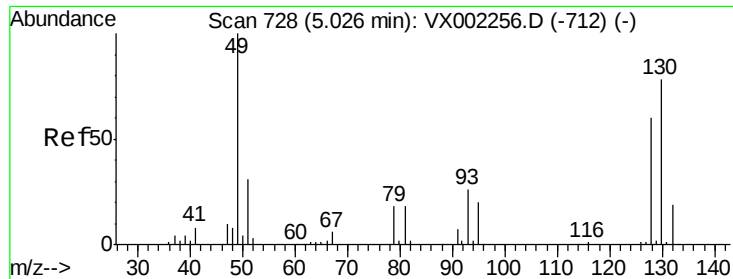
Tot Ion: 84 Resp: 1038
Ion Ratio Lower Upper
84 100
49 93.5 107.8 161.6#
51 70.7 32.8 49.2#
86 181.4 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 45 Resp: 223
Ion Ratio Lower Upper
45 100
43 86.9 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 725

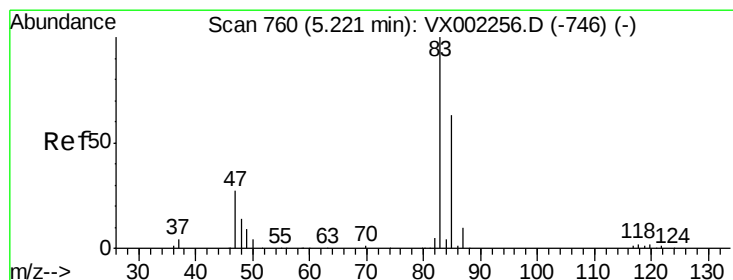
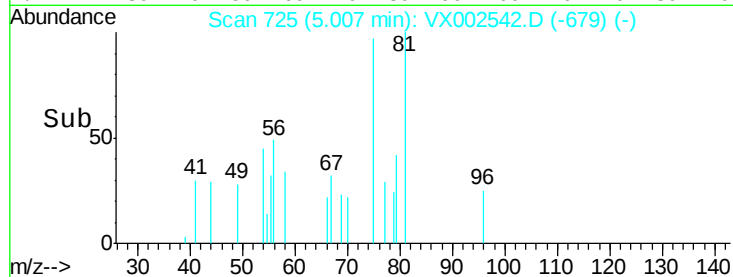
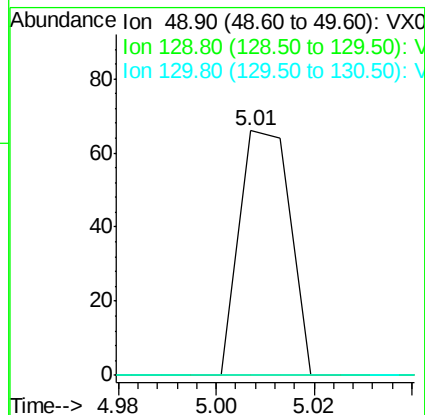
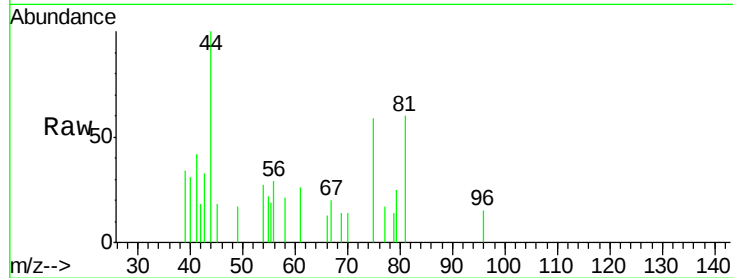
Delta R.T. -0.02 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 48
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#



#30

Chloroform

Concen: 0.57 ug/l

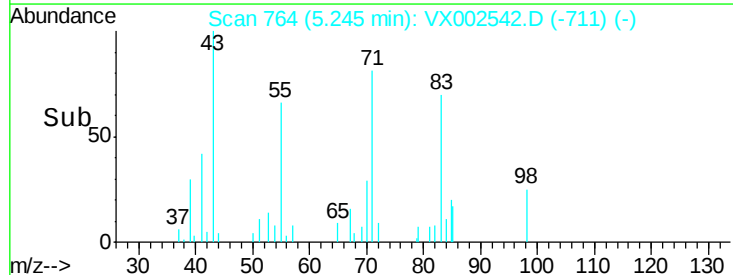
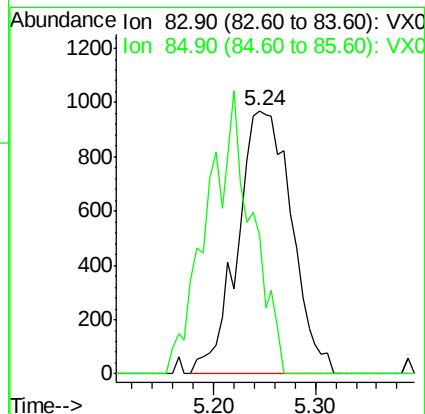
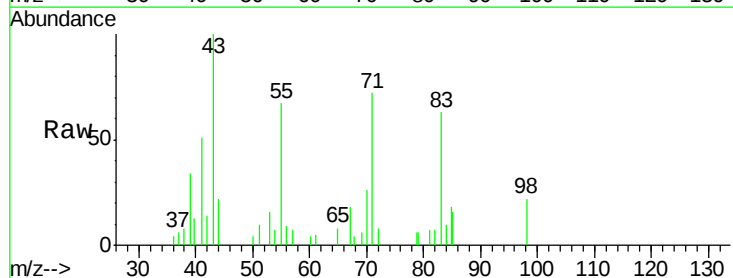
RT: 5.24 min Scan# 764

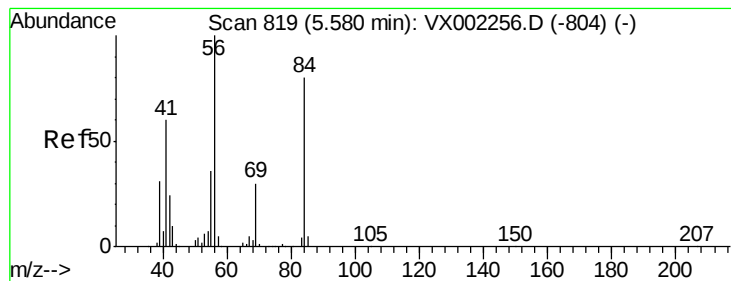
Delta R.T. 0.02 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Tgt Ion: 83 Resp: 3576
Ion Ratio Lower Upper
83 100
85 52.8 50.4 75.6





#31

Cyclohexane

Concen: 10.00 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampled :

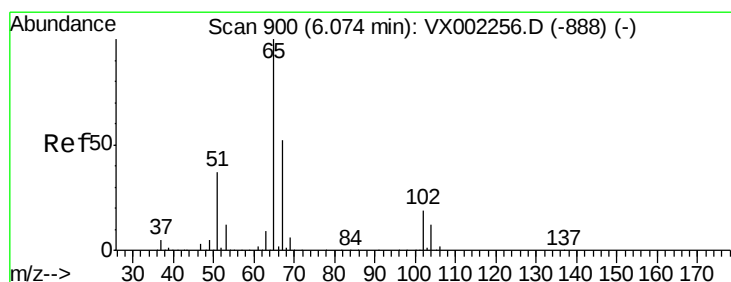
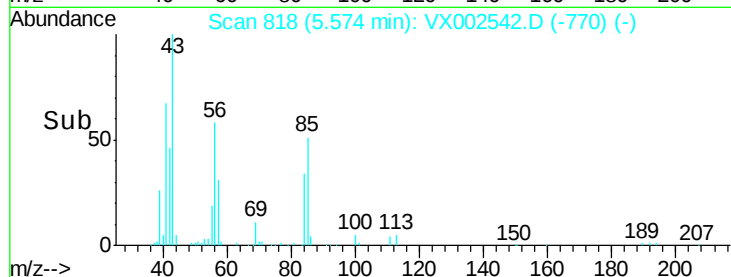
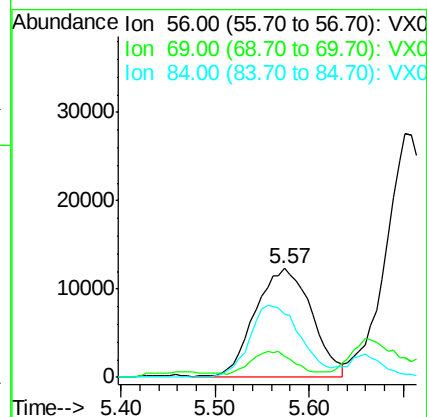
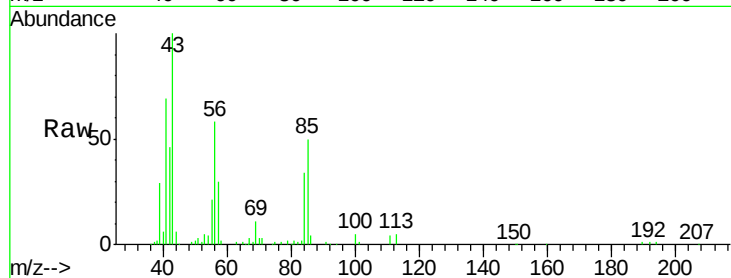
Tot Ion: 56 Resp: 51632

Ion Ratio Lower Upper

56 100

69 14.6 23.7 35.5#

84 58.2 64.1 96.1#



#33

1,2-Dichloroethane-d4

Concen: 44.05 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002542.D

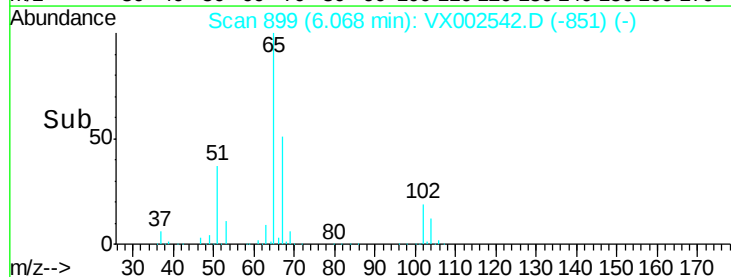
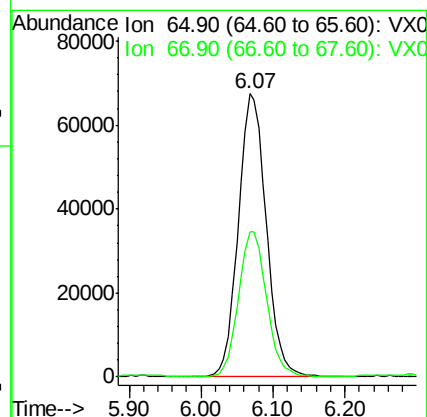
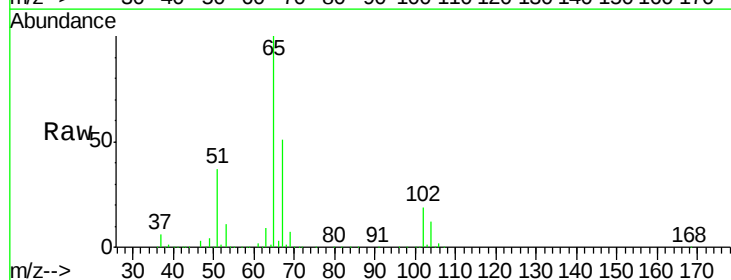
Acq: 14 Jun 2018 07:08

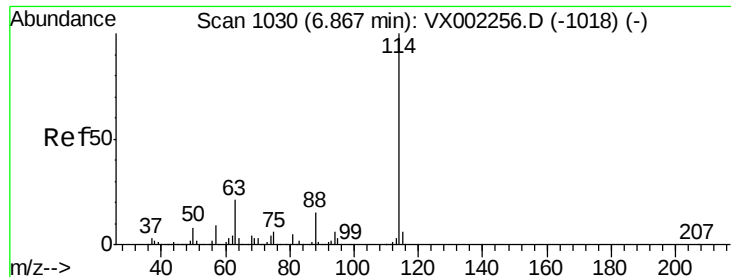
Tgt Ion: 65 Resp: 181832

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampleId :

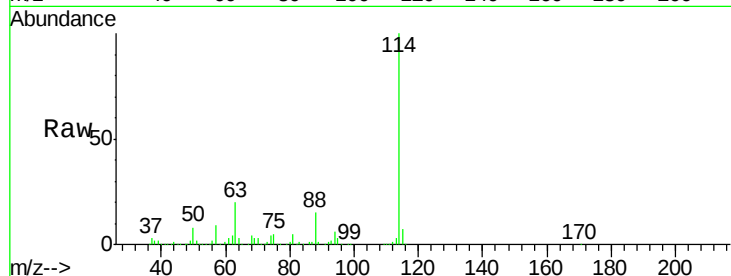
Tot Ion:114 Resp: 404406

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

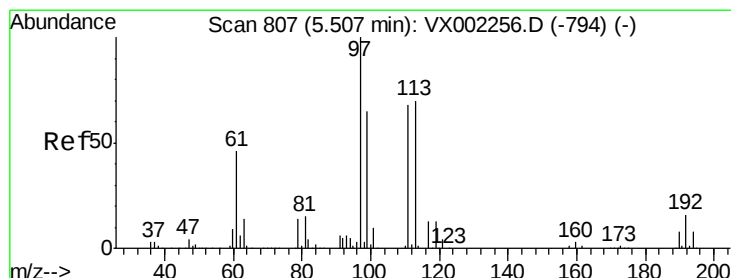
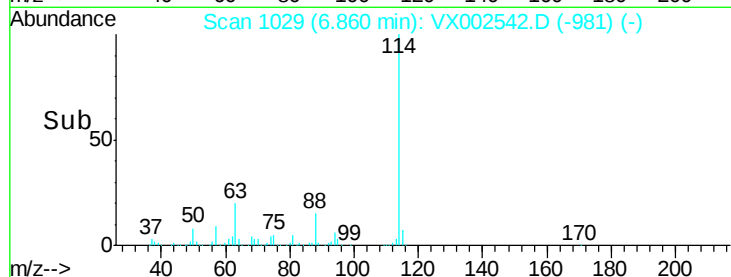
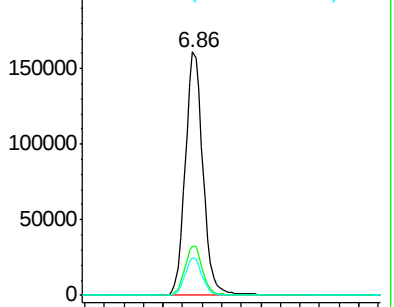
88 15.4 0.0 30.0



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: 42.23 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

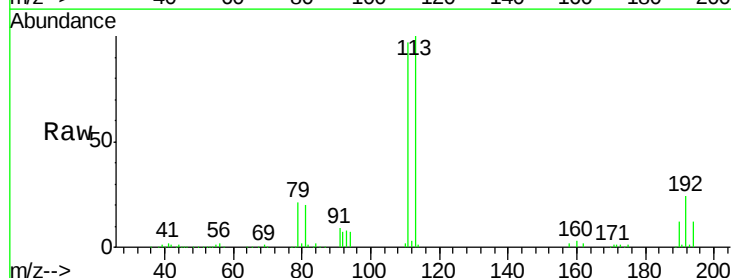
Tgt Ion:113 Resp: 134291

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

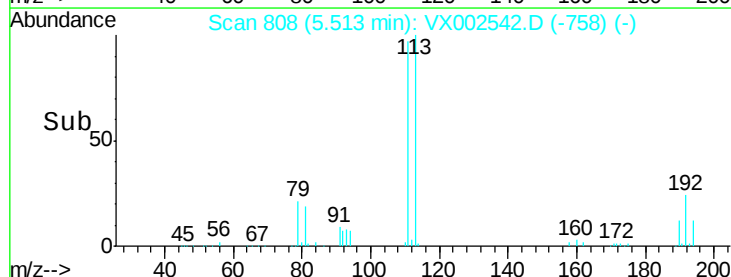
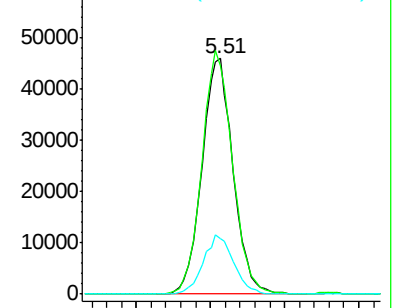
192 24.3 19.1 28.7

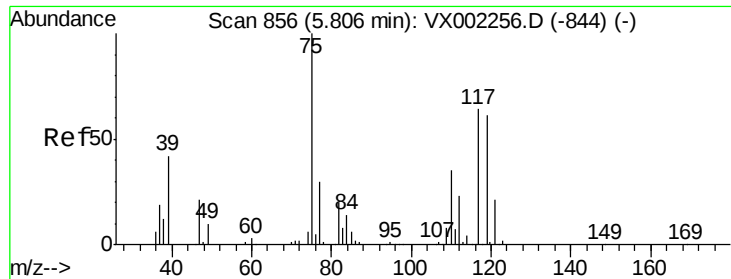


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

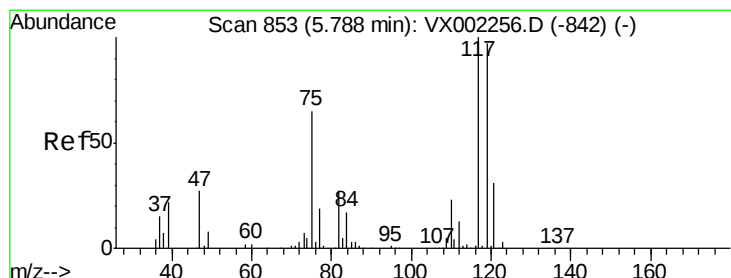
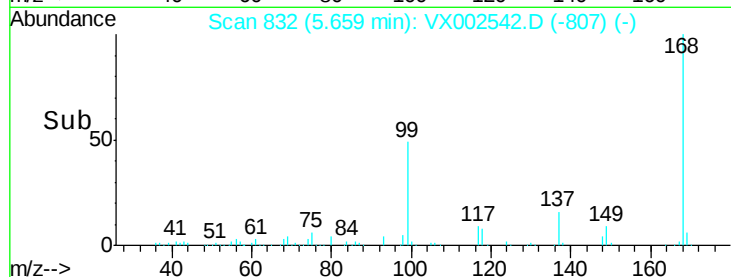
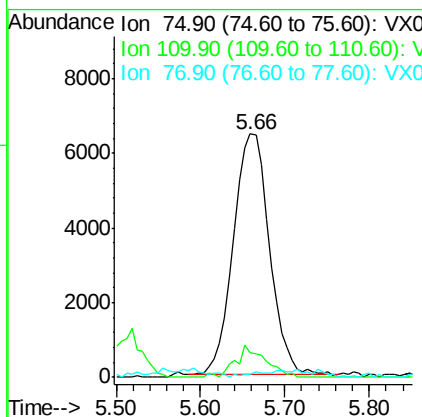
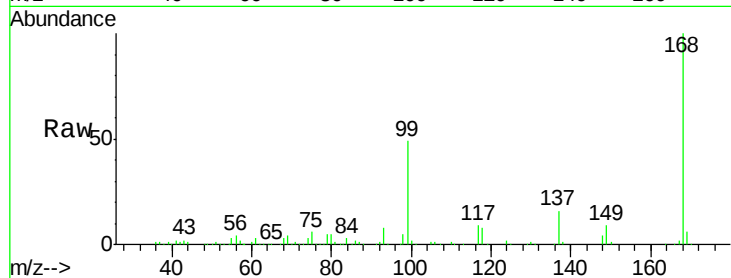




#36
 1,1-Dichloropropene
 Concen: 4.41 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

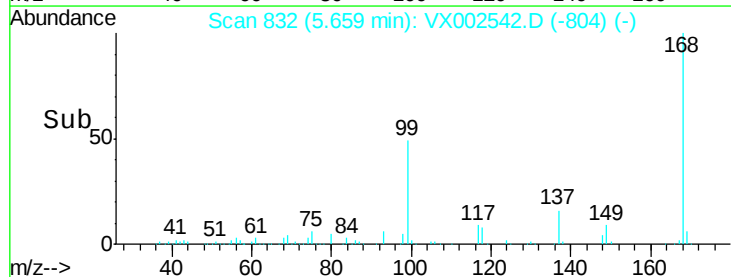
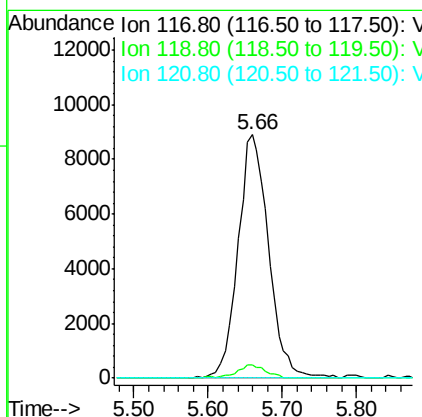
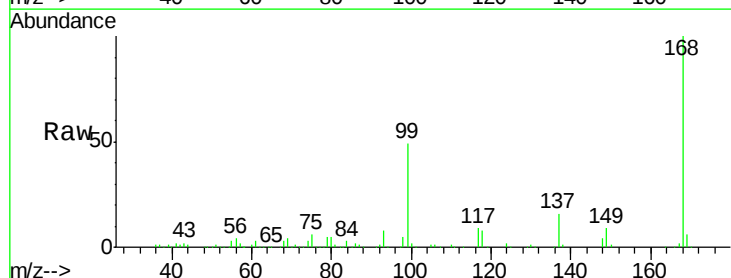
Instrument :
 MSVOA_X
 ClientSampled :

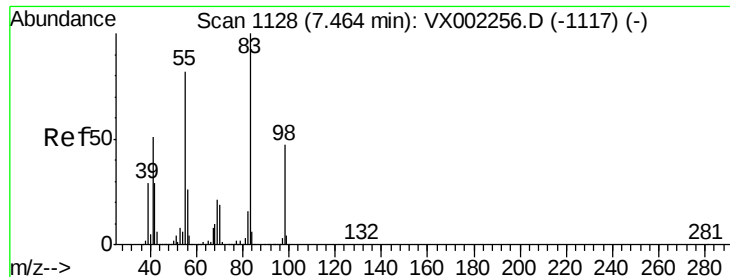
Tot Ion: 75 Resp: 18764
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.1 54.4#
 77 1.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.77 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.13 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Tgt Ion:117 Resp: 25677
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.4 116.0#
 121 0.0 24.4 36.6#

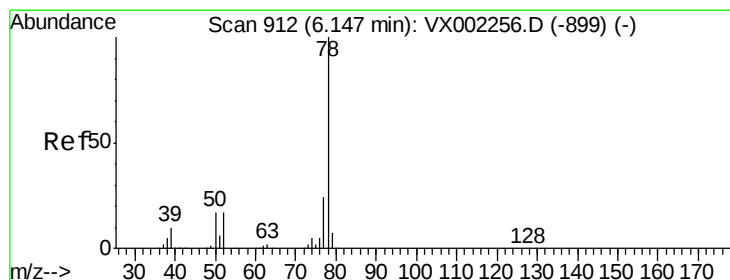
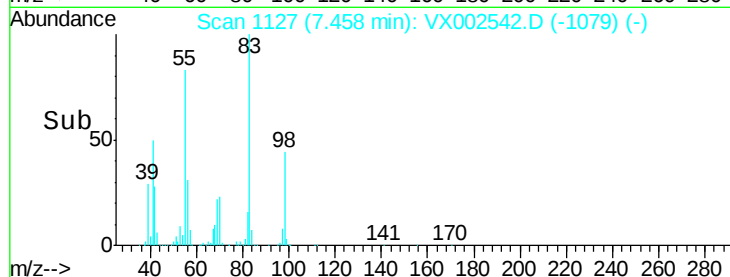
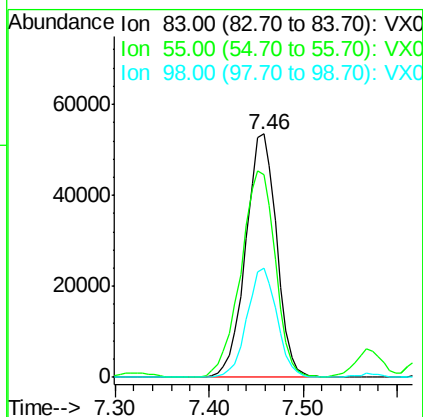
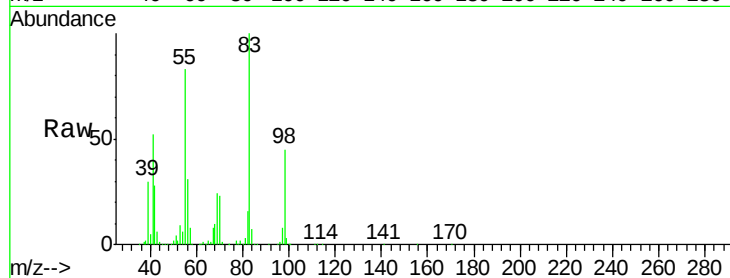




#39
Methvlcvclohexane
Concen: 23.49 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

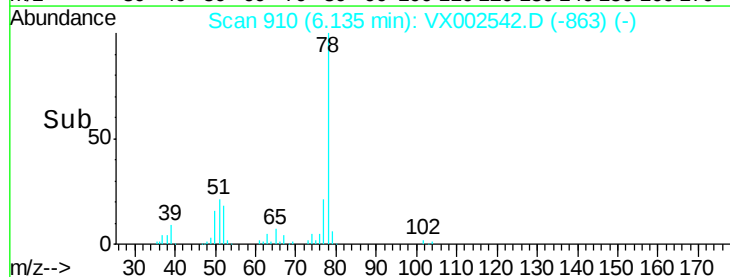
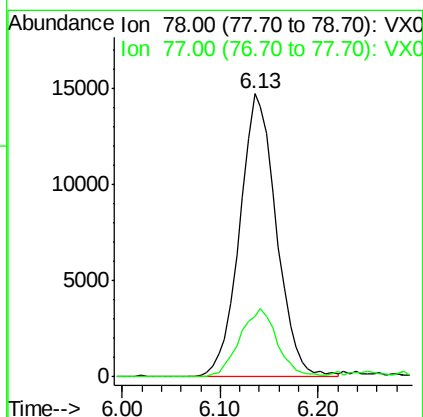
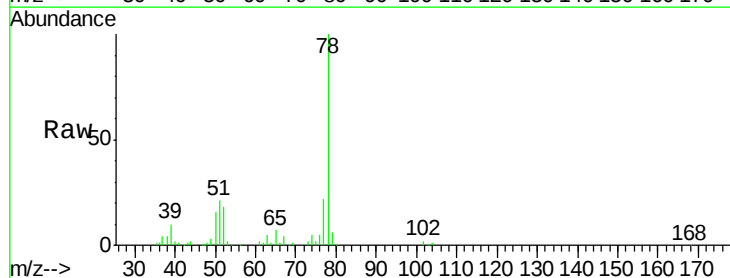
Instrument :
MSVOA_X
ClientSampleId :

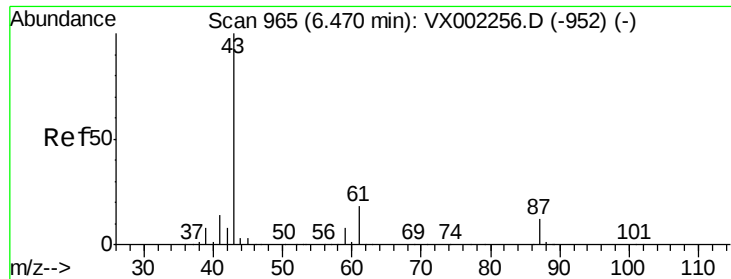
Tot Ion	83	Resp	122670
Ion Ratio	Lower	Upper	
83	100		
55	83.3	65.4	98.0
98	44.9	37.4	56.0



#40
Benzene
Concen: 2.93 ug/l
RT: 6.13 min Scan# 910
Delta R.T. -0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion	78	Resp	38233
Ion Ratio	Lower	Upper	
78	100		
77	21.6	19.1	28.7





#43

Isopropyl Acetate

Concen: 11.81 ug/l

RT: 6.34 min Scan# 943

Delta R.T. -0.13 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

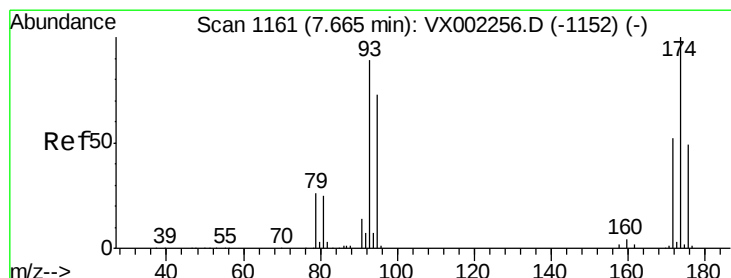
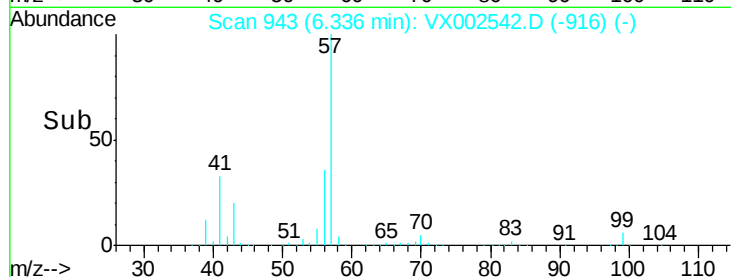
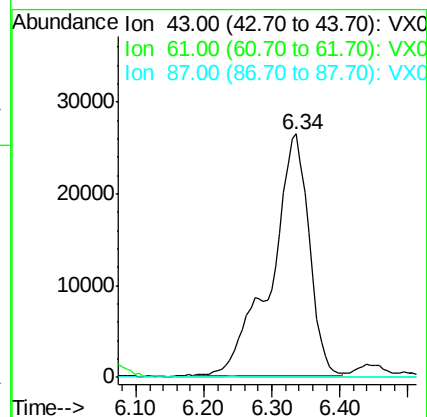
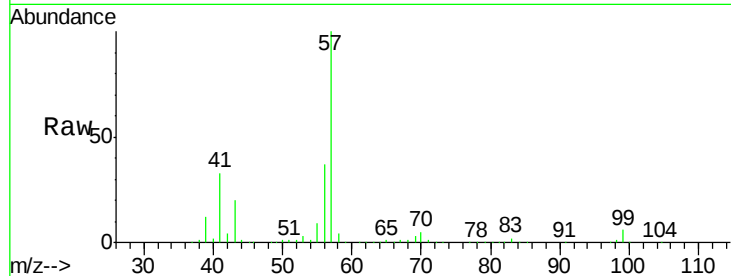
Tot Ion: 43 Resp: 102559

Ion Ratio Lower Upper

43 100

61 0.1 14.4 21.6#

87 0.0 9.5 14.3#



#46

Dibromomethane

Concen: 0.22 ug/l

RT: 7.63 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

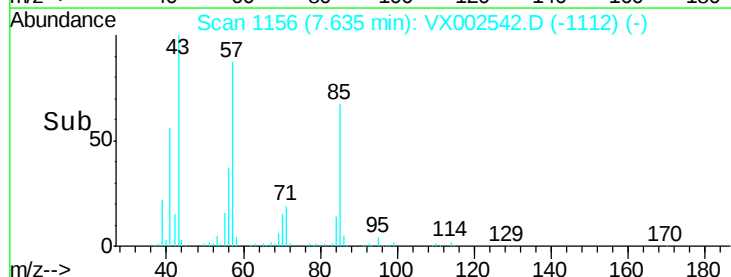
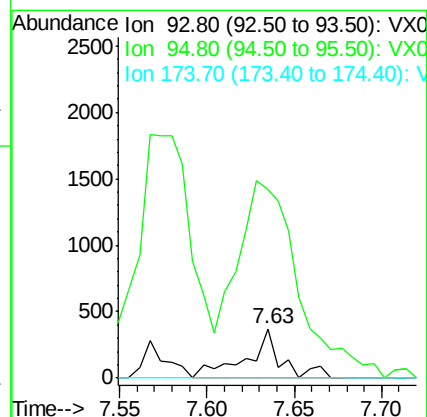
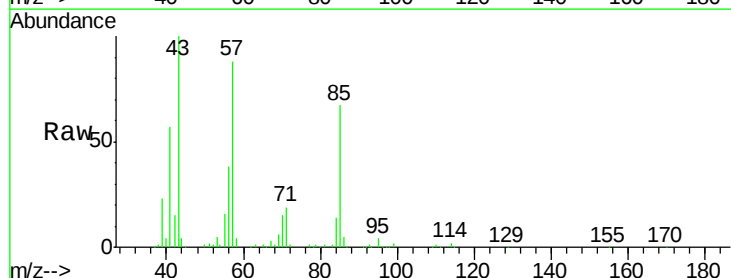
Tgt Ion: 93 Resp: 513

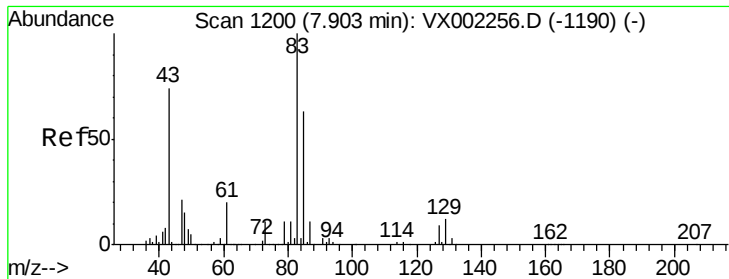
Ion Ratio Lower Upper

93 100

95 714.0 65.9 98.9#

174 0.0 92.4 138.6#





#47

Bromodichloromethane

Concen: 0.94 ug/l

RT: 7.85 min Scan# 1191

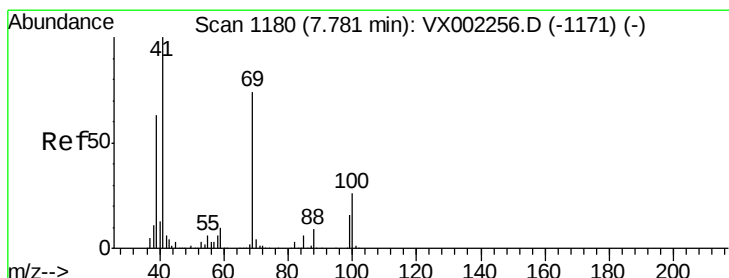
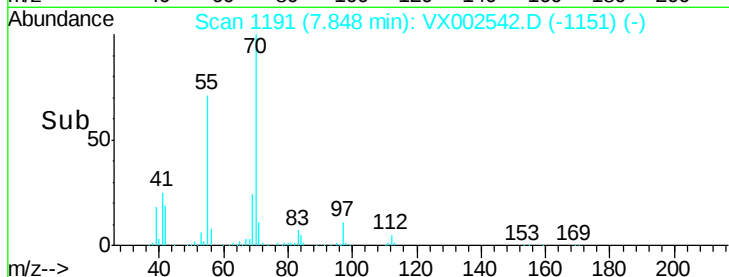
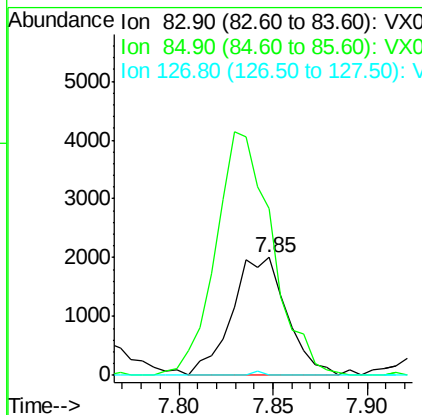
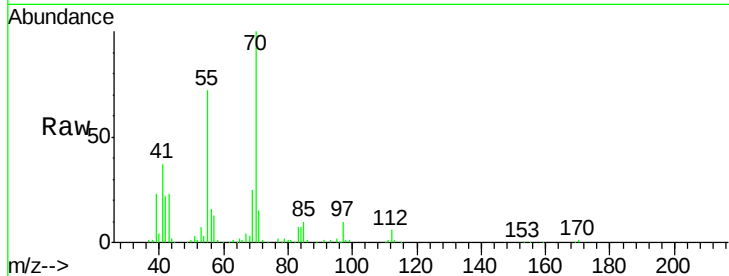
Delta R.T. -0.06 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	83	Resp:	4050
Ion	Ratio	Lower	Upper
83	100		
85	139.1	50.3	75.5#
127	0.0	7.0	10.4#



#48

Methyl methacrylate

Concen: 3.17 ug/l

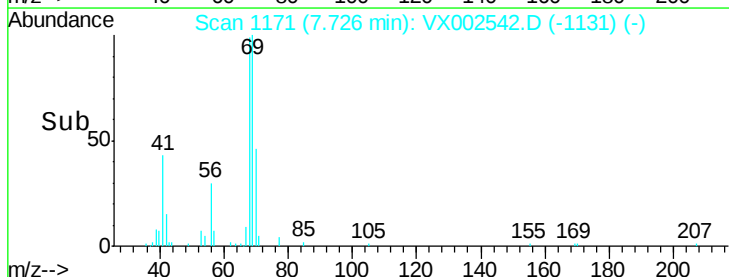
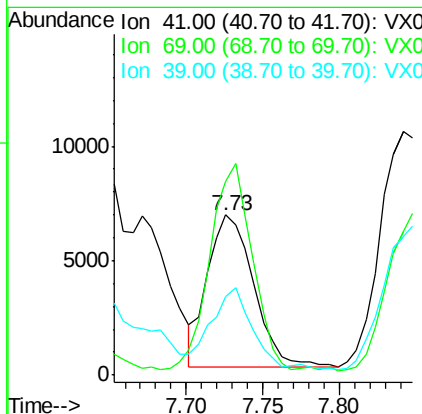
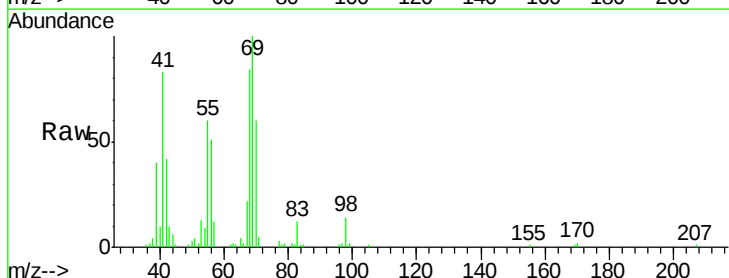
RT: 7.73 min Scan# 1171

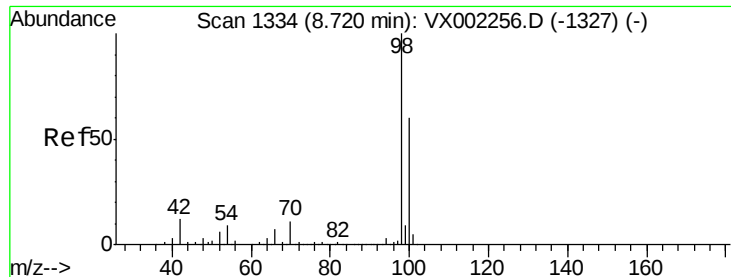
Delta R.T. -0.06 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Tgt Ion:	41	Resp:	13807
Ion	Ratio	Lower	Upper
41	100		
69	123.5	59.1	88.7#
39	51.4	48.9	73.3

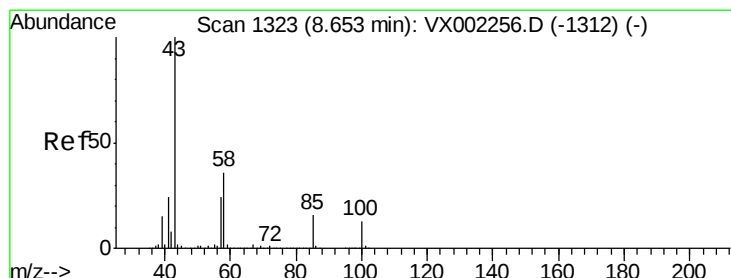
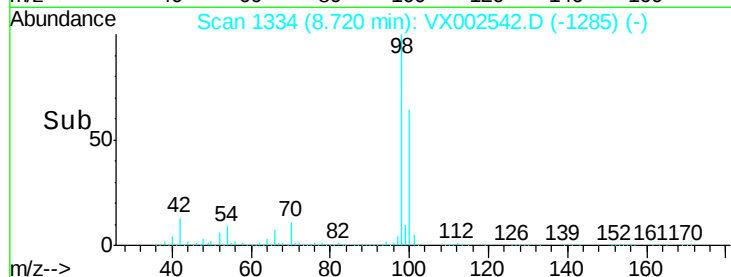
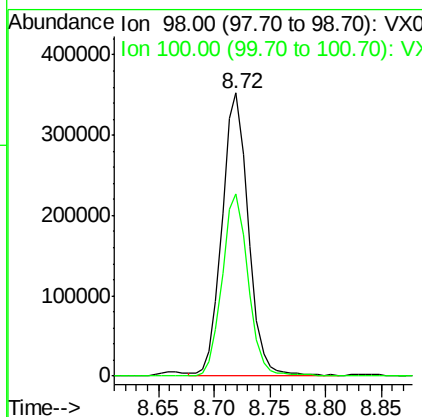
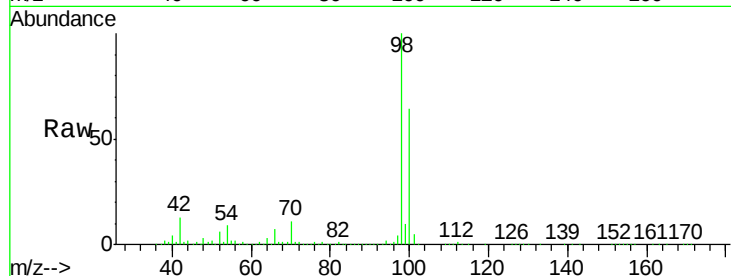




#50
Toluene-d8
Concen: 46.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

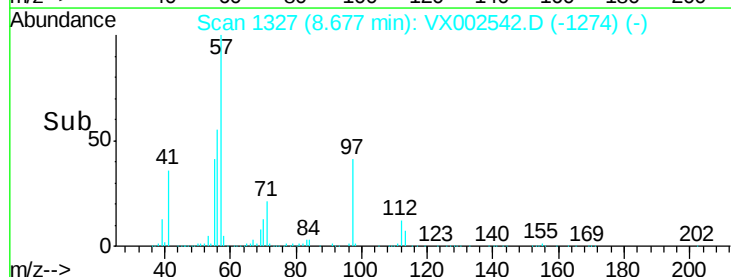
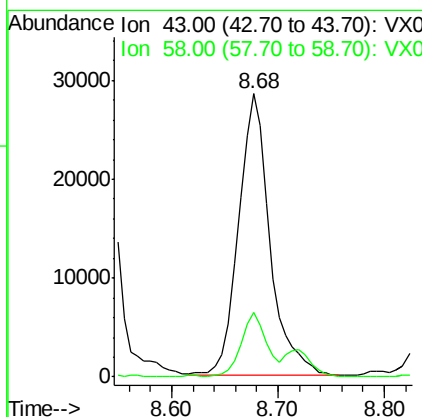
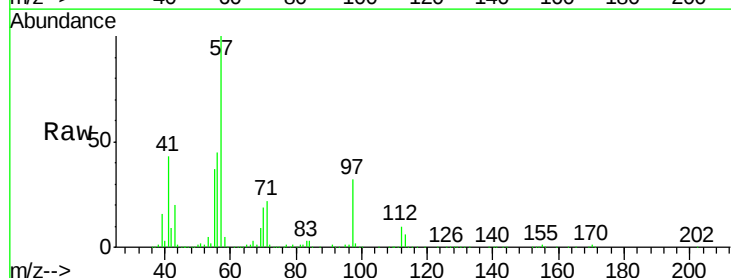
Instrument :
MSVOA_X
ClientSampleId :

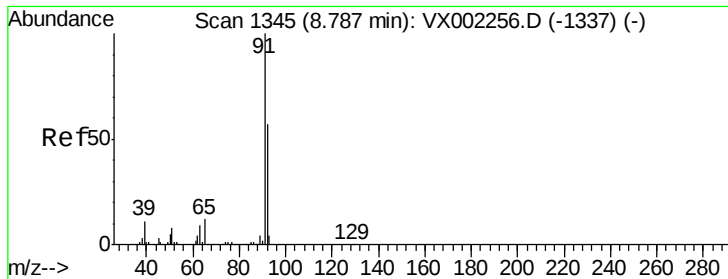
Tot Ion: 98 Resp: 571801
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 10.87 ug/l
RT: 8.68 min Scan# 1327
Delta R.T. 0.02 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 43 Resp: 58777
Ion Ratio Lower Upper
43 100
58 18.2 28.6 42.8#





#52

Toluene

Concen: 1.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

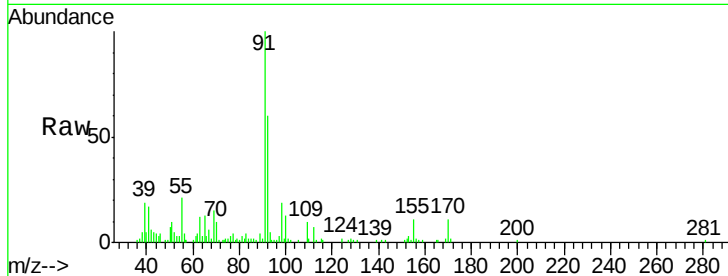
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 10691

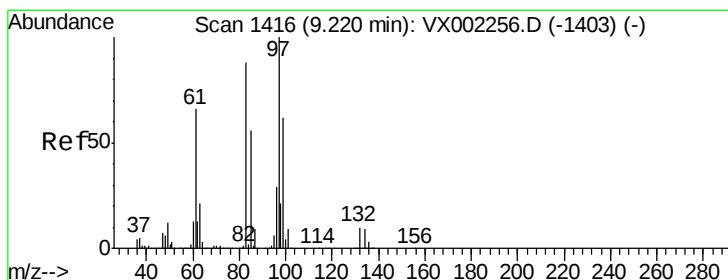
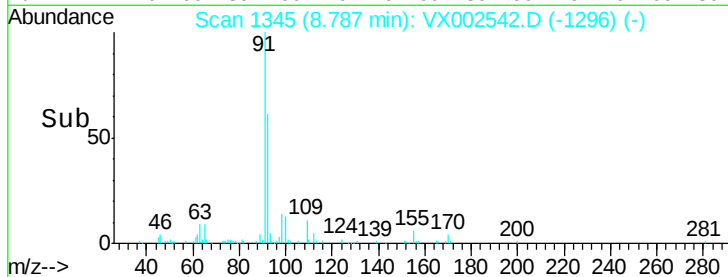
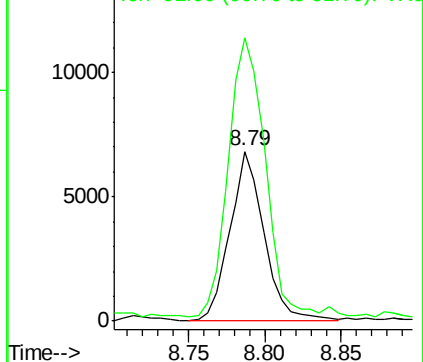
Ion Ratio Lower Upper

92 100

91 176.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 21.90 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.06 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Tgt Ion: 97 Resp: 74668

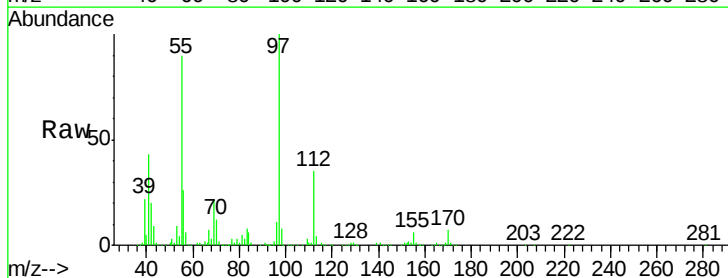
Ion Ratio Lower Upper

97 100

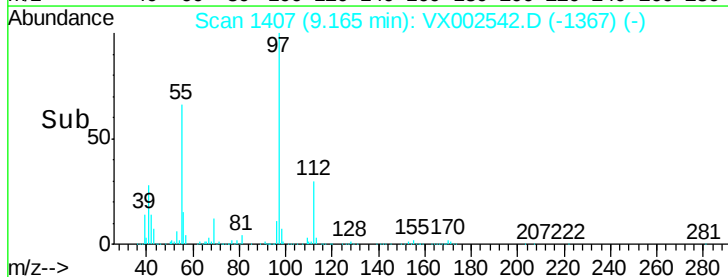
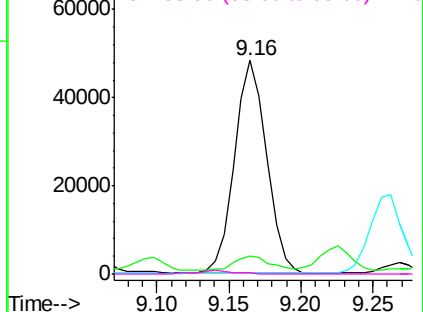
83 6.7 70.2 105.2#

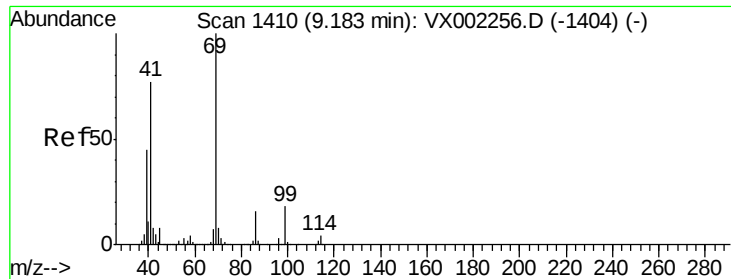
85 0.4 44.9 67.3#

99 0.4 49.8 74.8#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 3.61 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampled :

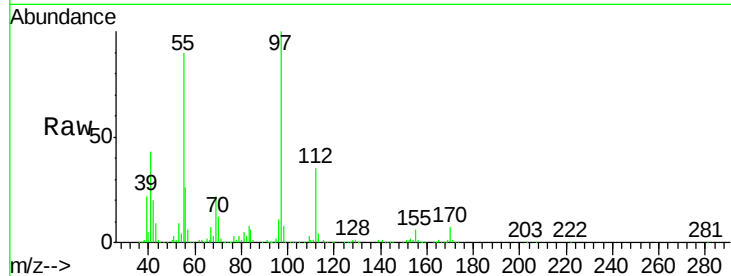
Tot Ion: 69 Resp: 19676

Ion Ratio Lower Upper

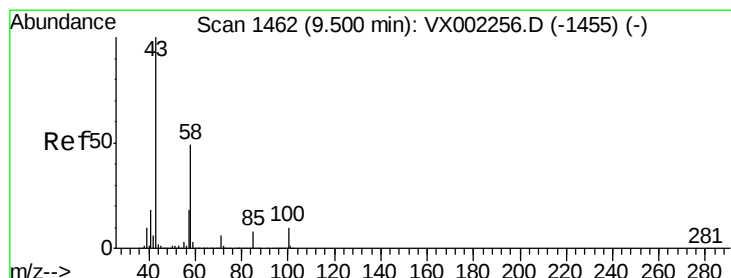
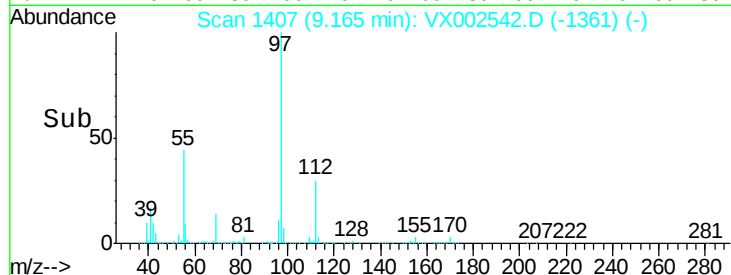
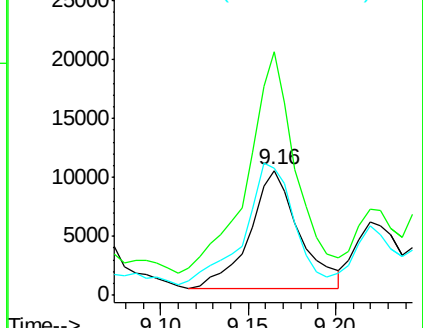
69 100

41 182.7 60.3 90.5#

39 104.2 35.8 53.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 30.91 ug/l

RT: 9.45 min Scan# 1453

Delta R.T. -0.06 min

Lab File: VX002542.D

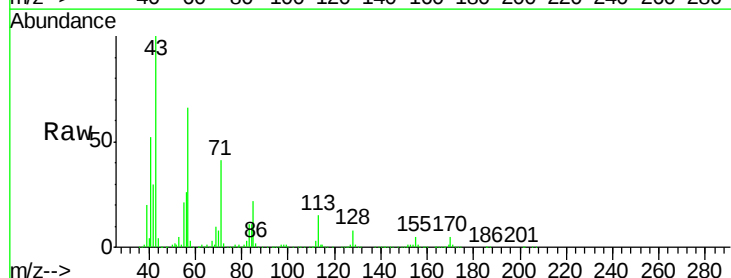
Acq: 14 Jun 2018 07:08

Tgt Ion: 43 Resp: 129128

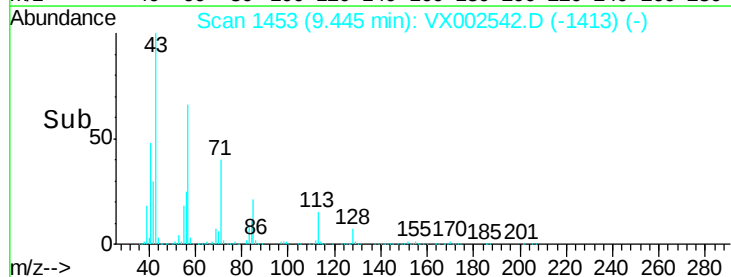
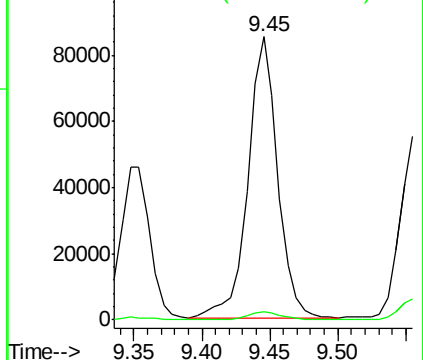
Ion Ratio Lower Upper

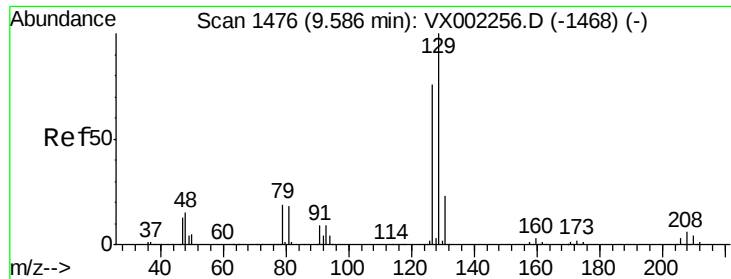
43 100

58 3.4 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

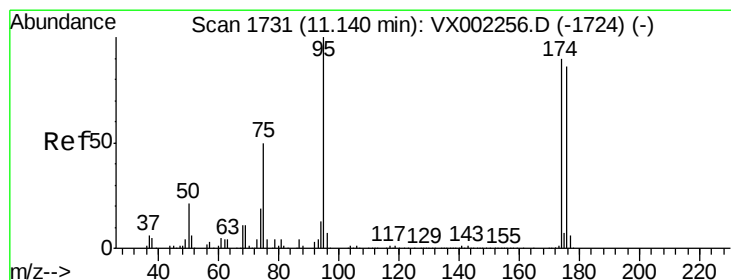
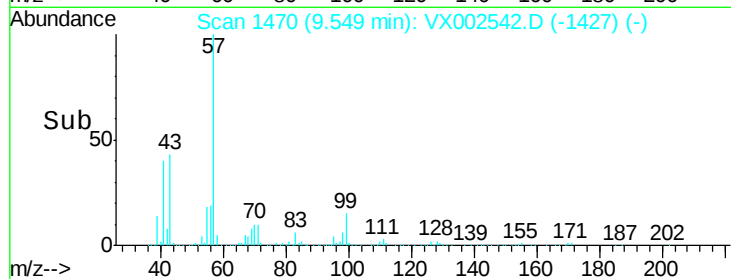
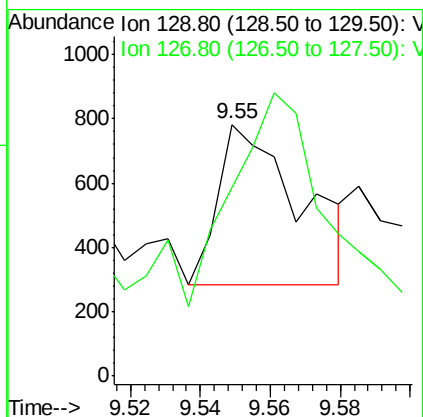
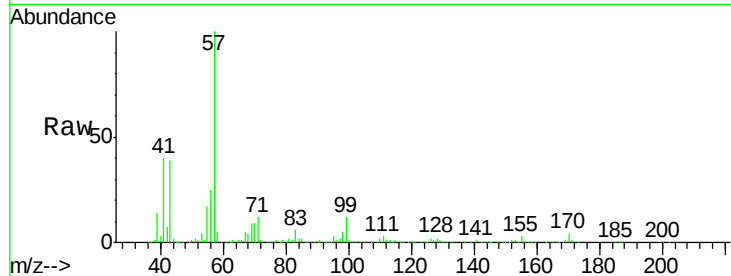




#60
Dibromochloromethane
Concen: 0.24 ug/l
RT: 9.55 min Scan# 1470
Delta R.T. -0.04 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

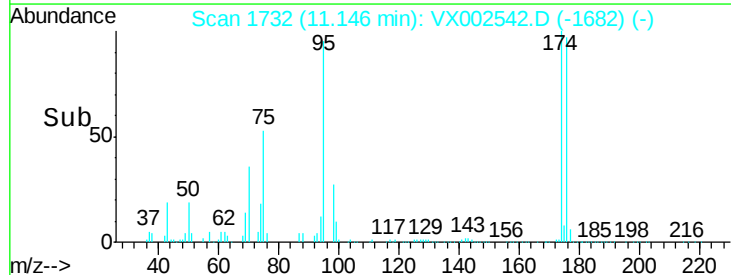
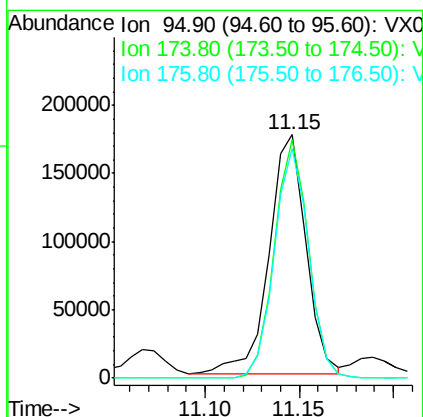
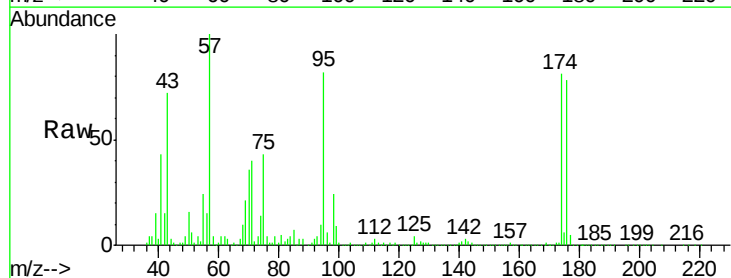
Instrument :
MSVOA_X
ClientSampleId :

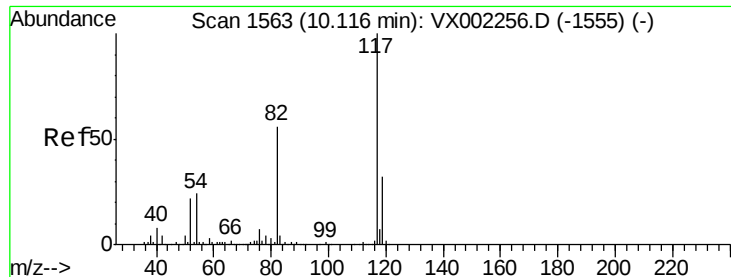
Tot Ion:129 Resp: 807
Ion Ratio Lower Upper
129 100
127 135.3 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 50.43 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion: 95 Resp: 237048
Ion Ratio Lower Upper
95 100
174 92.5 0.0 187.4
176 89.9 0.0 181.0

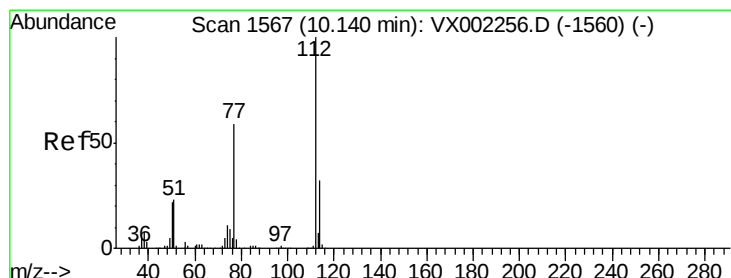
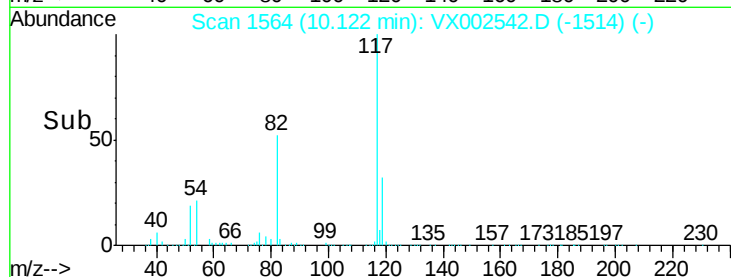
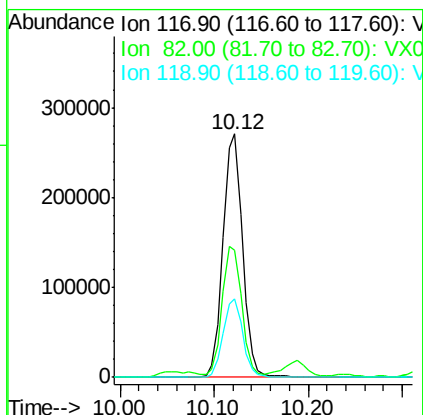
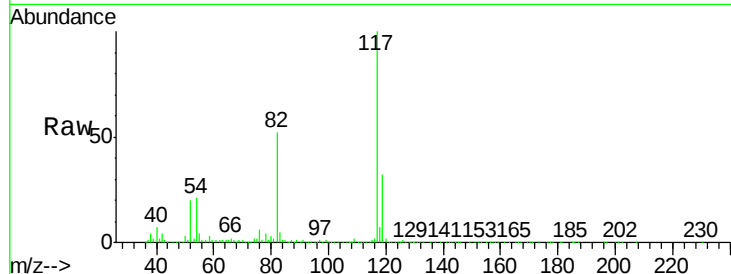




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

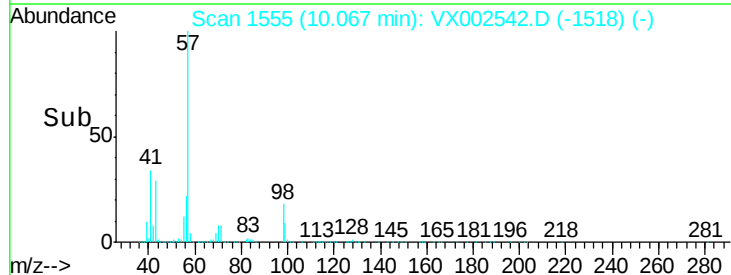
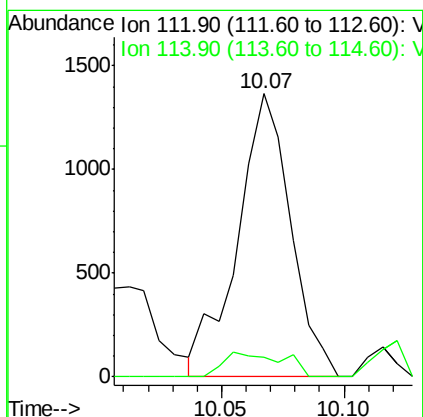
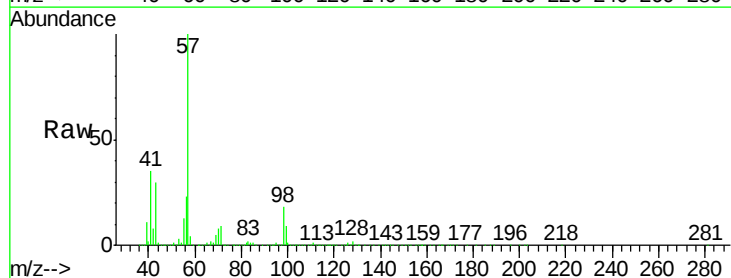
Instrument :
MSVOA_X
ClientSampleId :

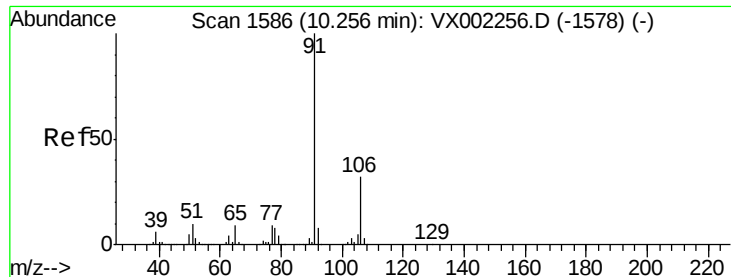
Tot Ion:117 Resp: 389788
Ion Ratio Lower Upper
117 100
82 51.5 45.0 67.4
119 32.2 25.8 38.6



#65
Chlorobenzene
Concen: 0.21 ug/l
RT: 10.07 min Scan# 1555
Delta R.T. -0.07 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion:112 Resp: 2067
Ion Ratio Lower Upper
112 100
114 7.0 25.3 37.9#





#67

Ethyl Benzene

Concen: 58.40 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

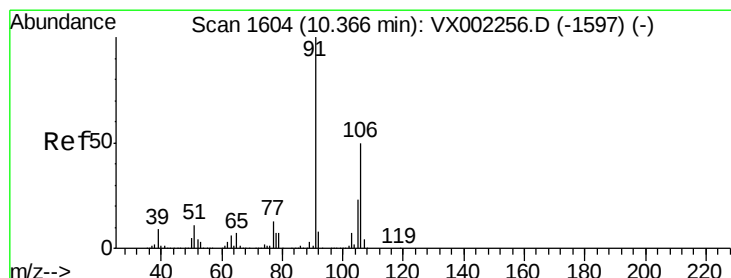
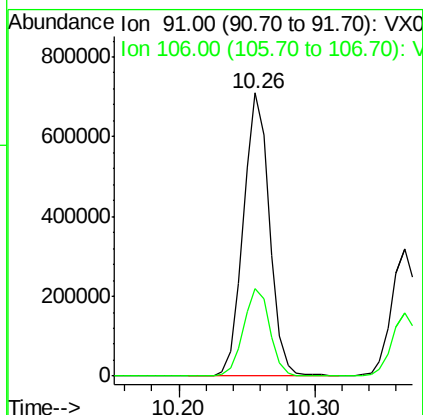
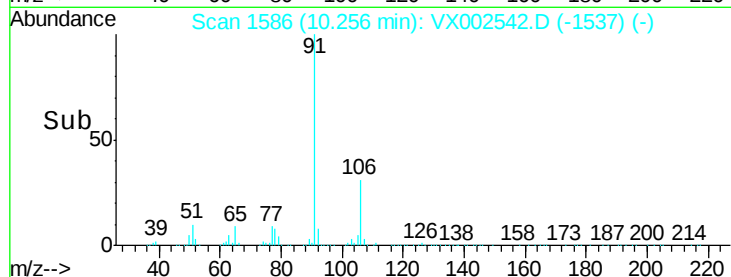
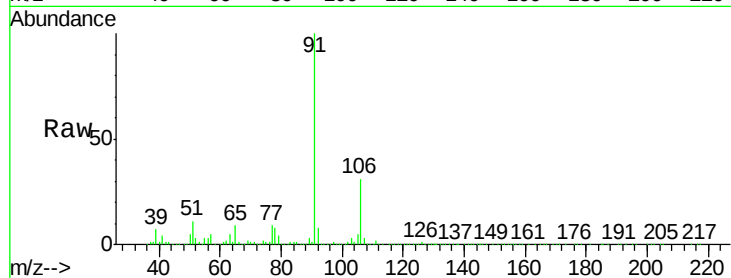
ClientSampled :

Tot Ion: 91 Resp: 947849

Ion Ratio Lower Upper

91 100

106 30.9 25.5 38.3



#68

m/p-Xylenes

Concen: 32.78 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002542.D

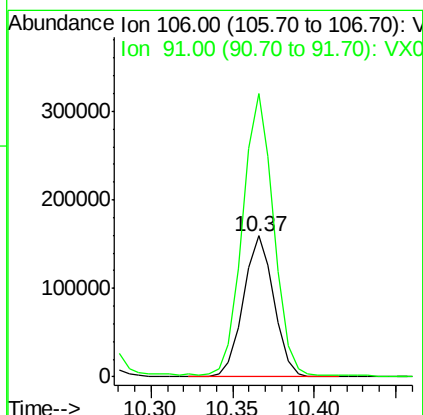
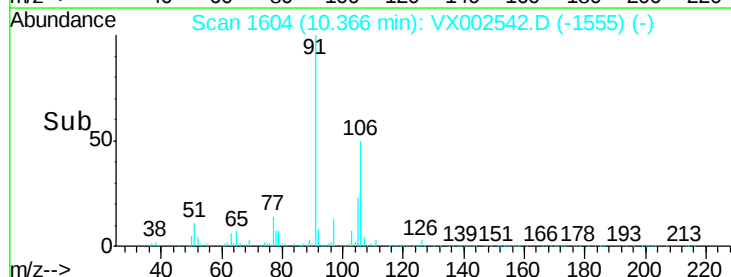
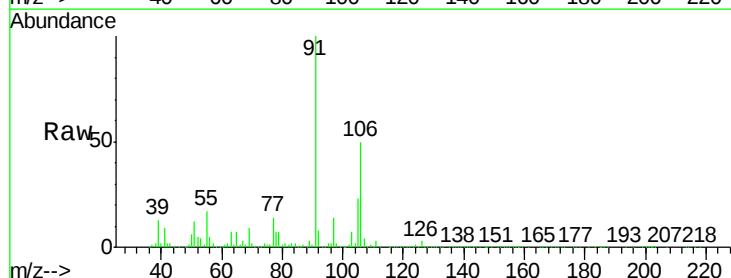
Acq: 14 Jun 2018 07:08

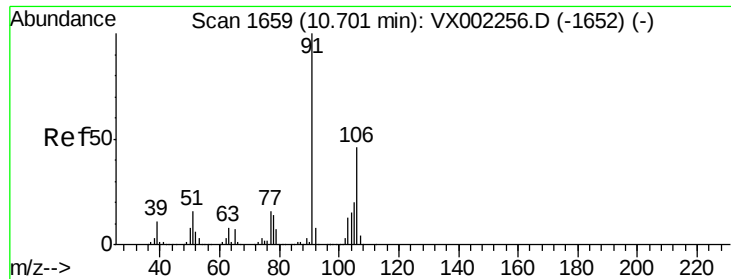
Tgt Ion: 106 Resp: 206843

Ion Ratio Lower Upper

106 100

91 205.0 163.4 245.2

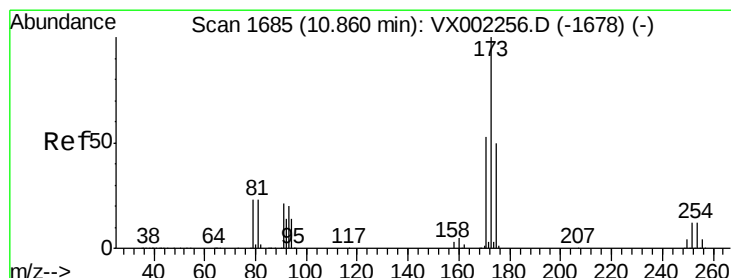
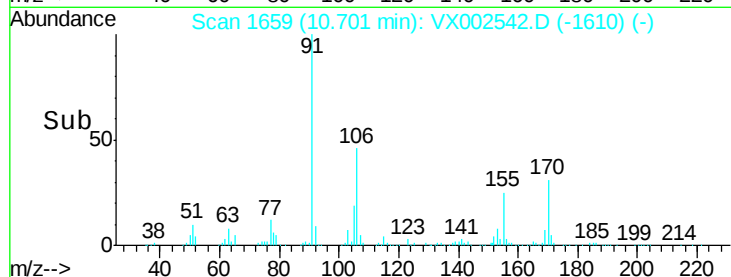
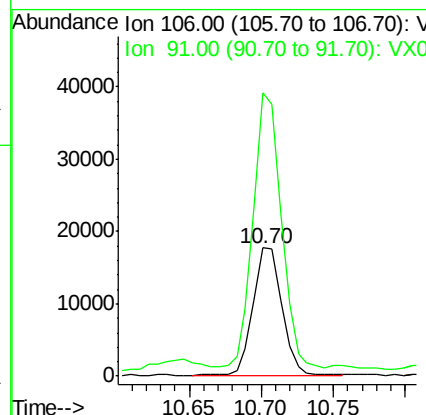
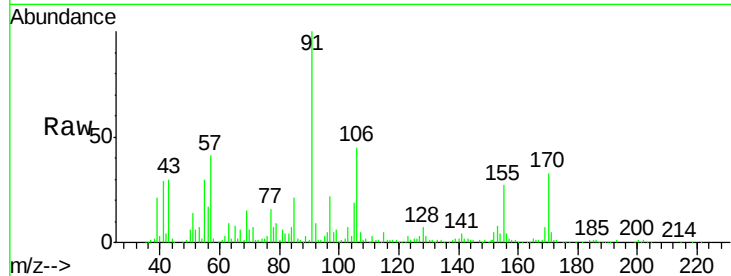




#69
o-Xylene
Concen: 3.85 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

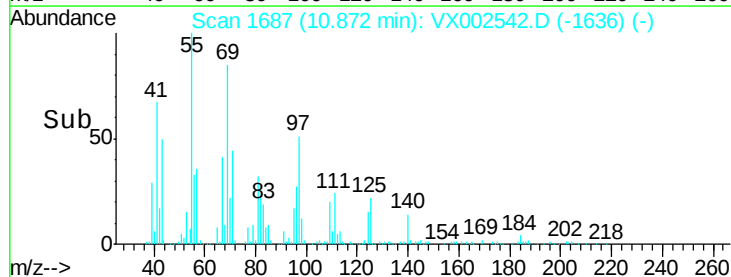
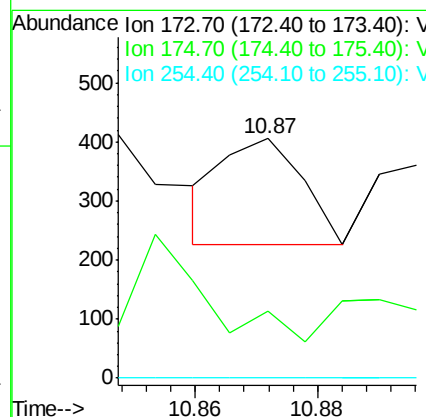
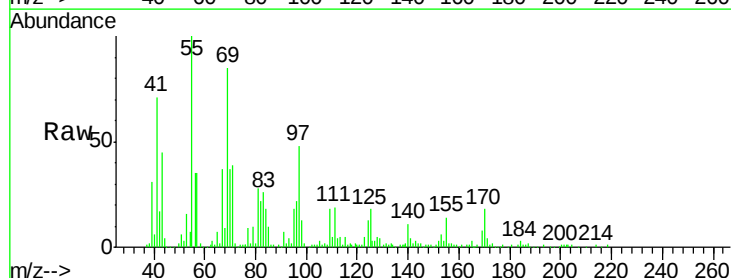
Instrument :
MSVOA_X
ClientSampleId :

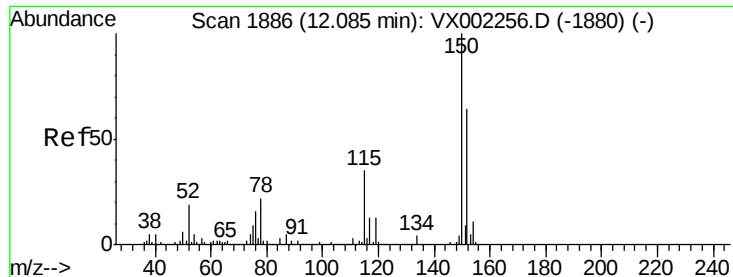
Tot Ion:106 Resp: 24170
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6



#71
Bromoform
Concen: 3.50 ug/l
RT: 10.87 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VX002542.D
Acq: 14 Jun 2018 07:08

Tgt Ion:173 Resp: 159
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

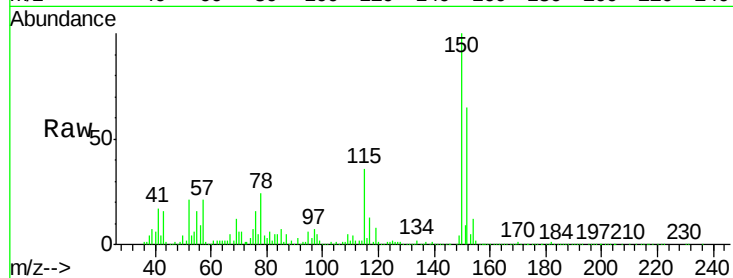
Tot Ion:152 Resp: 261164

Ion Ratio Lower Upper

152 100

115 60.5 40.1 120.2

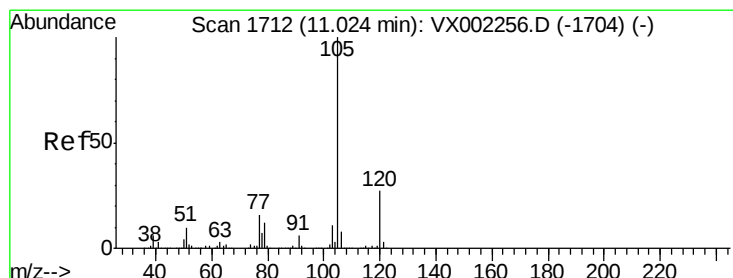
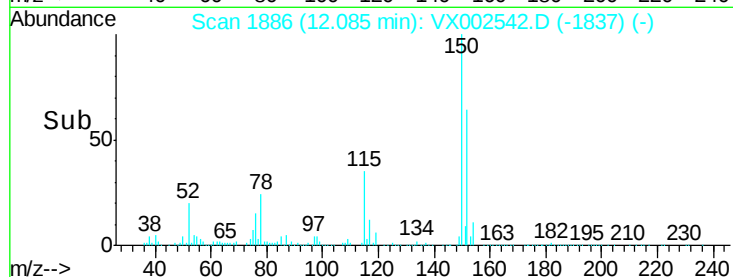
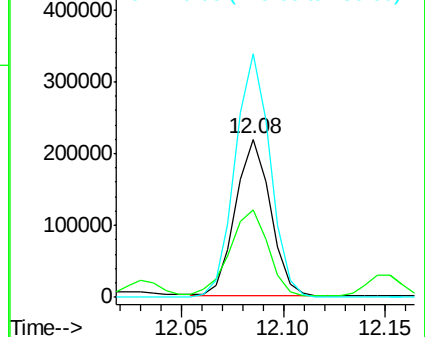
150 153.3 0.0 347.2



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



#73

Isopropylbenzene

Concen: 12.94 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002542.D

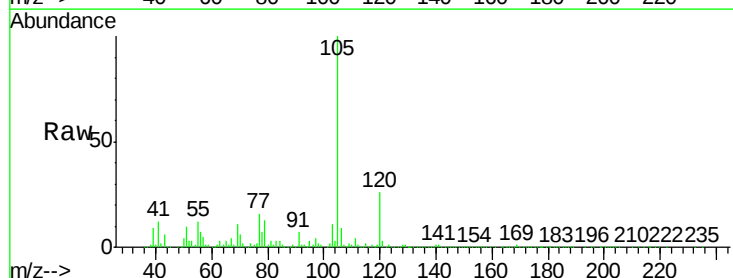
Acq: 14 Jun 2018 07:08

Tgt Ion:105 Resp: 235045

Ion Ratio Lower Upper

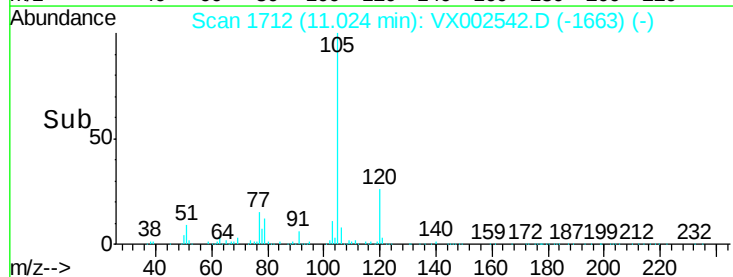
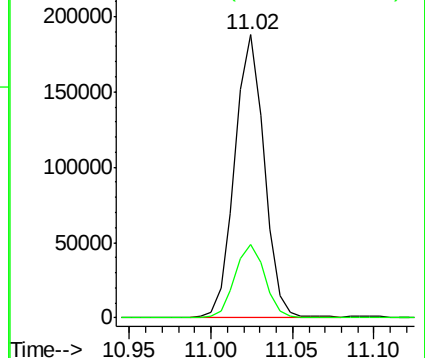
105 100

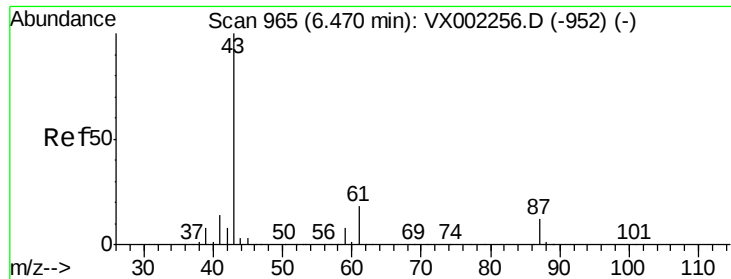
120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 10.48 ug/l

RT: 6.34 min Scan# 943

Delta R.T. -0.13 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 102559

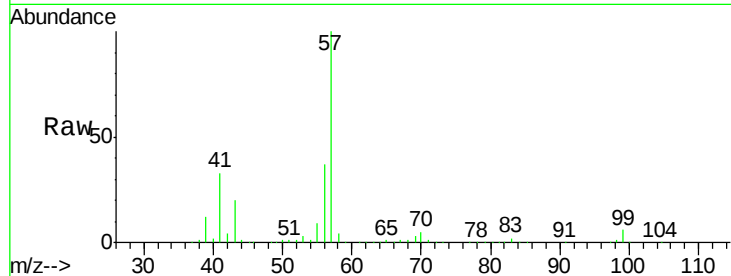
Ion Ratio Lower Upper

43 100

70 16.7 0.0 0.0#

55 31.0 0.0 0.0#

61 0.1 14.4 21.6#

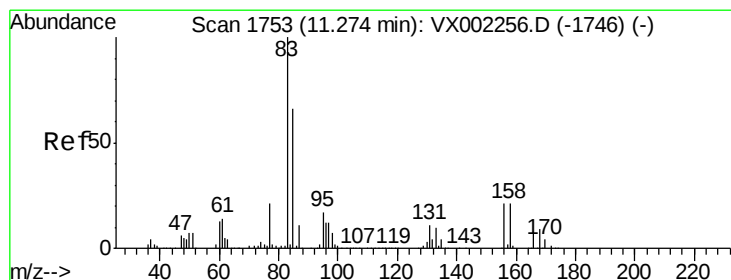
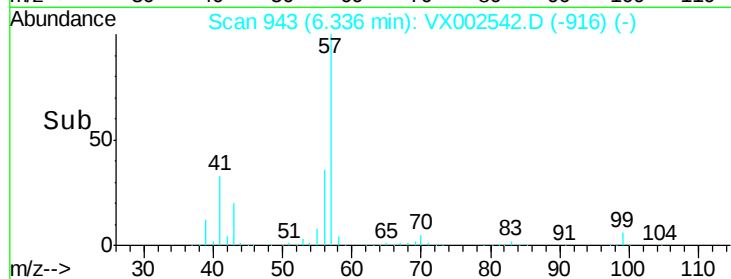
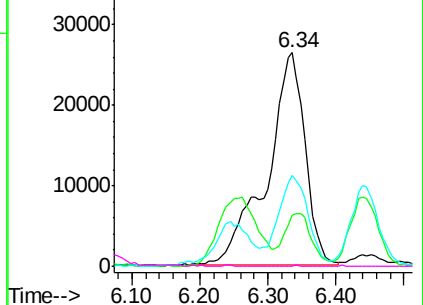


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 10.64 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

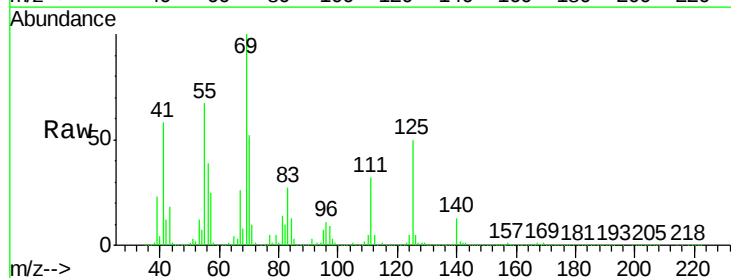
Tgt Ion: 83 Resp: 60824

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

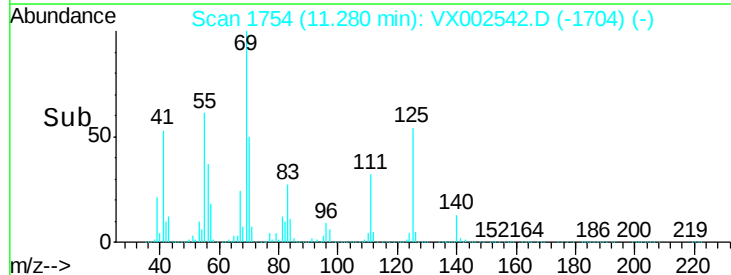
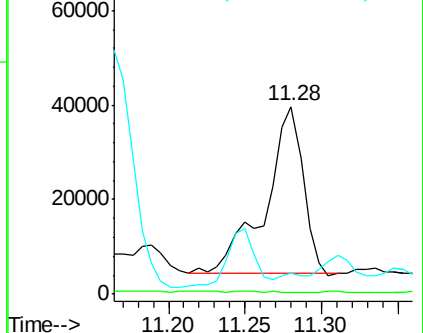
85 0.0 32.4 97.2#

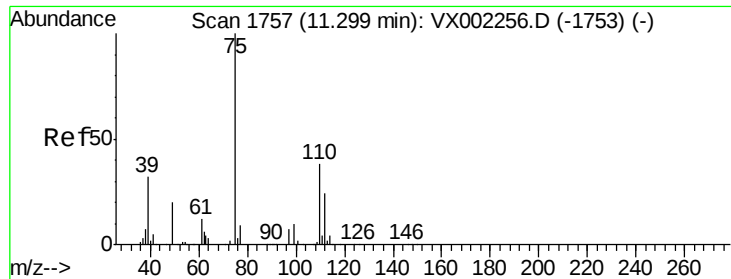


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

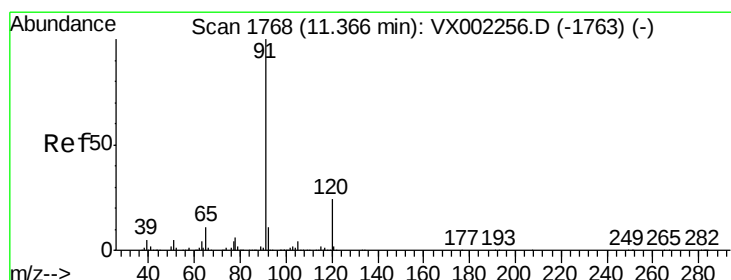
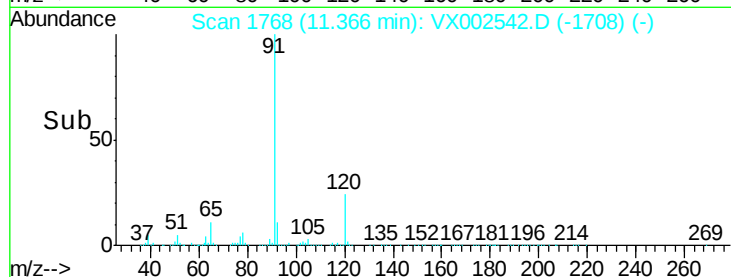
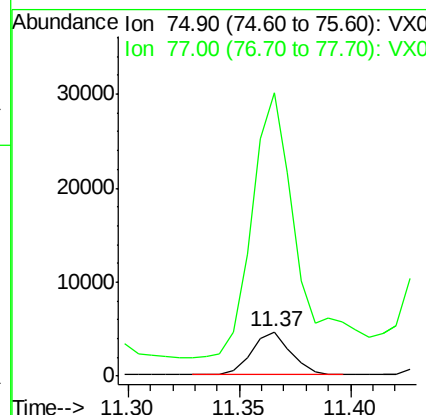
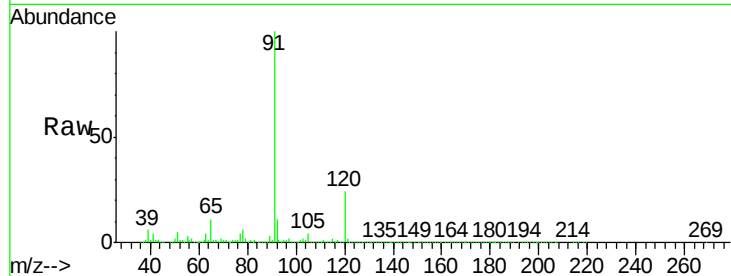




#76
 1,2,3-Trichloropropane
 Concen: 0.99 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.07 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

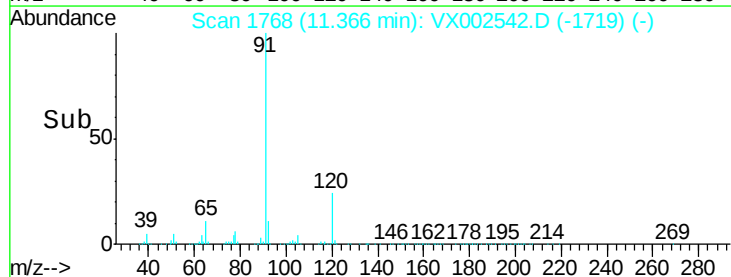
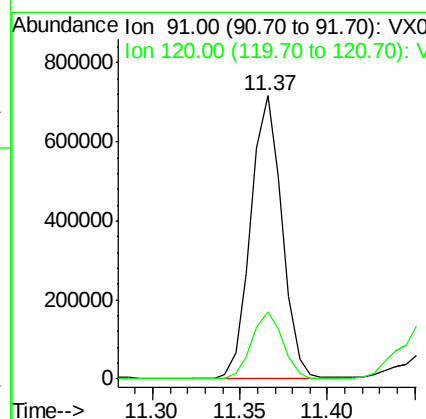
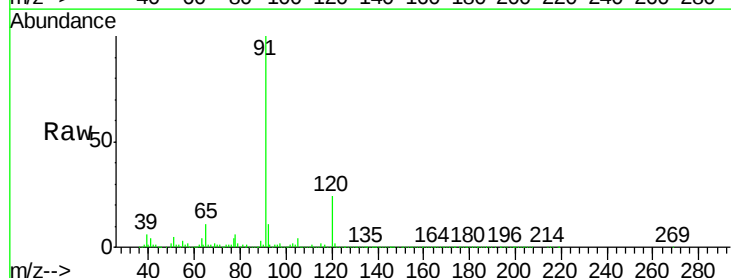
Instrument :
 MSVOA_X
 ClientSampleId :

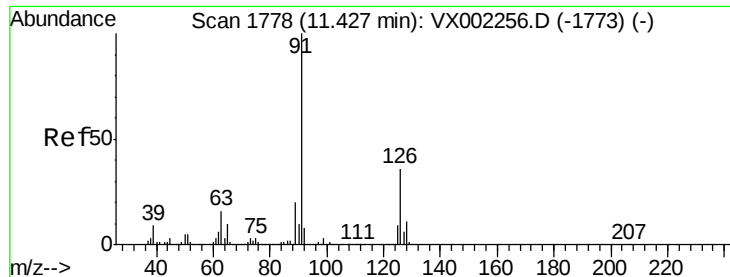
Tot Ion: 75 Resp: 5675
 Ion Ratio Lower Upper
 75 100
 77 718.2 22.8 68.3#



#78
 n-propylbenzene
 Concen: 43.90 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Tgt Ion: 91 Resp: 886451
 Ion Ratio Lower Upper
 91 100
 120 23.5 11.8 35.4





#79

2-Chlorotoluene

Concen: 11.16 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

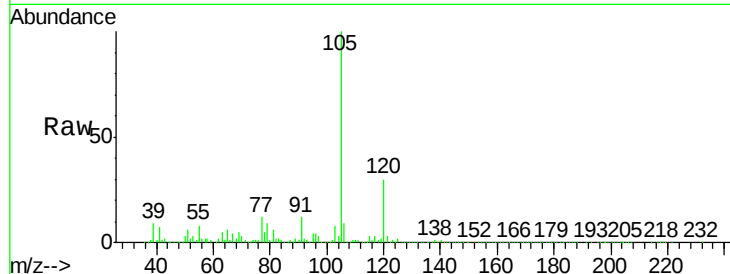
ClientSampleId :

Tot Ion: 91 Resp: 142240

Ion Ratio Lower Upper

91 100

126 1.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002256.D (-1773) (-)

600000

500000

400000

300000

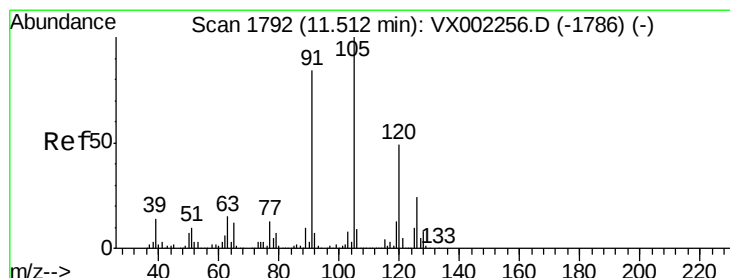
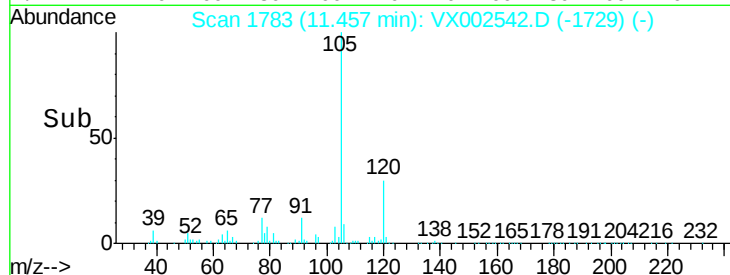
200000

100000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 91.72 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002542.D

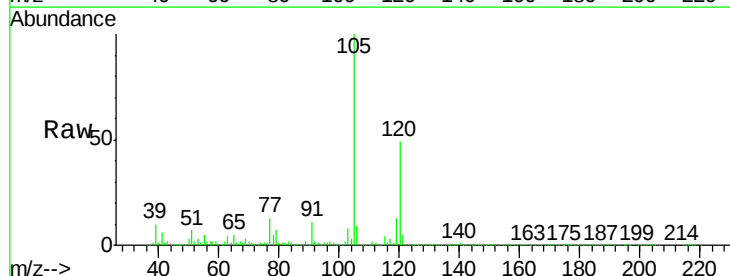
Acq: 14 Jun 2018 07:08

Tgt Ion: 105 Resp: 1429280

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002256.D (-1786) (-)

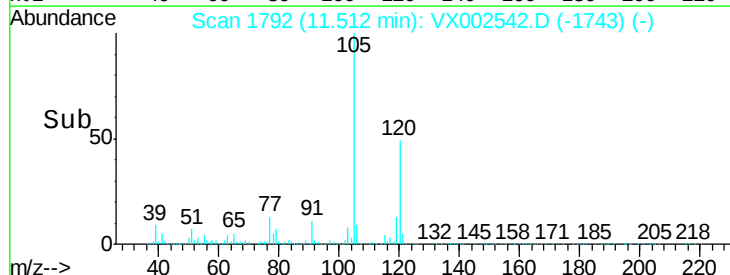
1000000

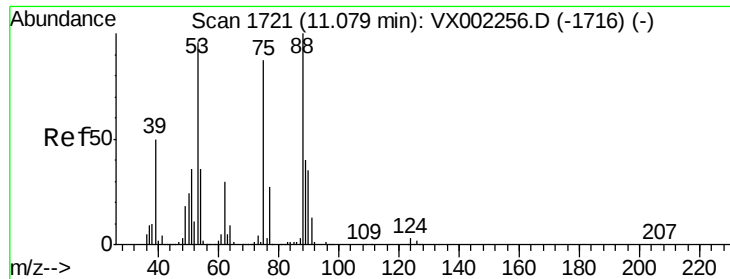
500000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 73.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

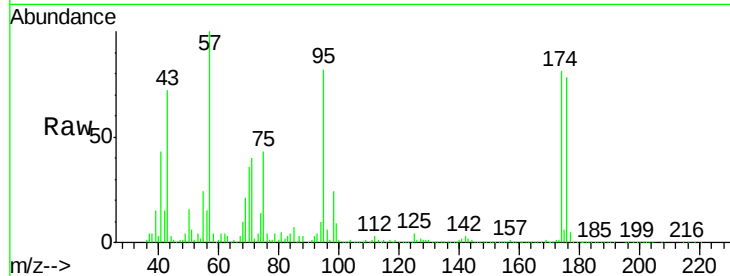
Tot Ion: 75 Resp: 120831

Ion Ratio Lower Upper

75 100

53 10.7 86.8 130.2#

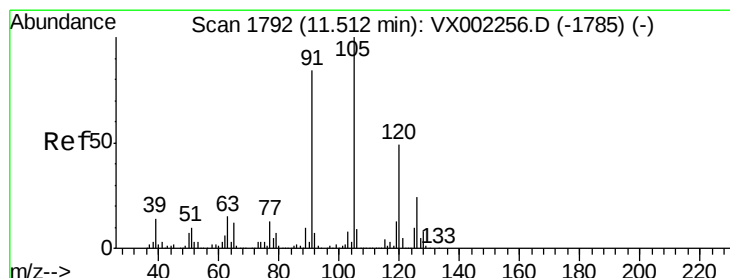
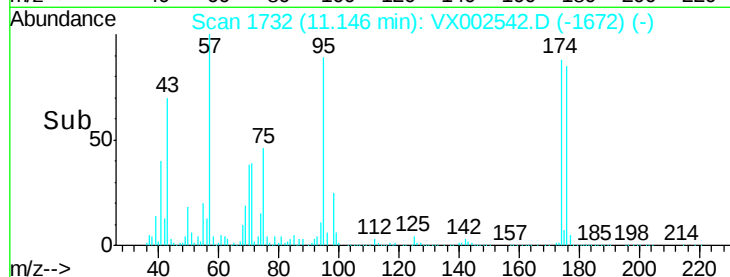
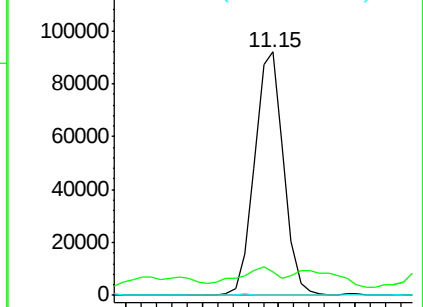
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 10.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002542.D

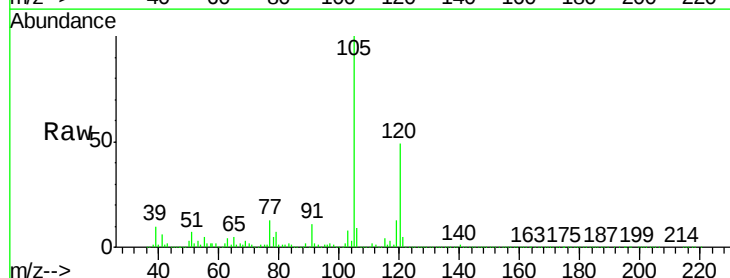
Acq: 14 Jun 2018 07:08

Tgt Ion: 91 Resp: 160950

Ion Ratio Lower Upper

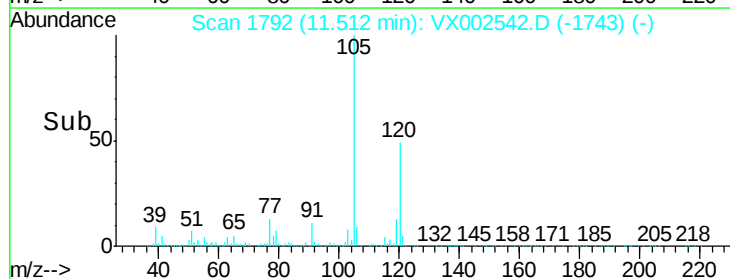
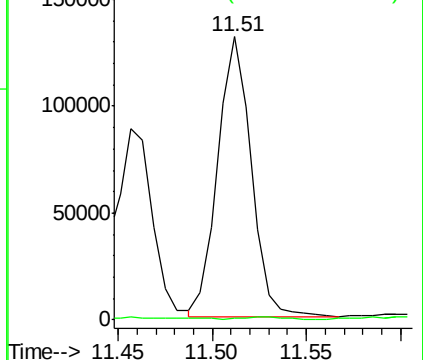
91 100

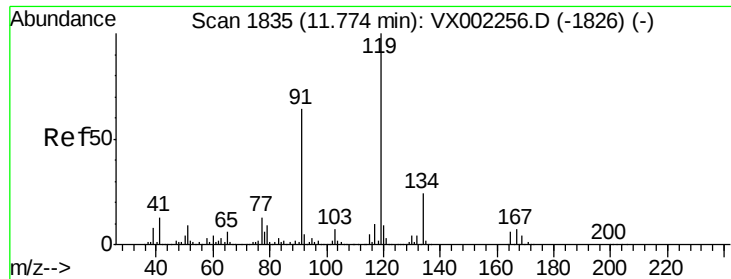
126 0.7 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

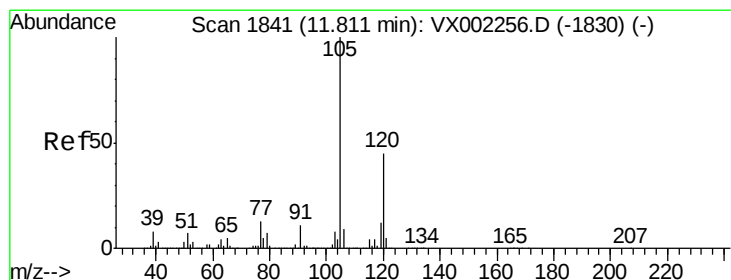
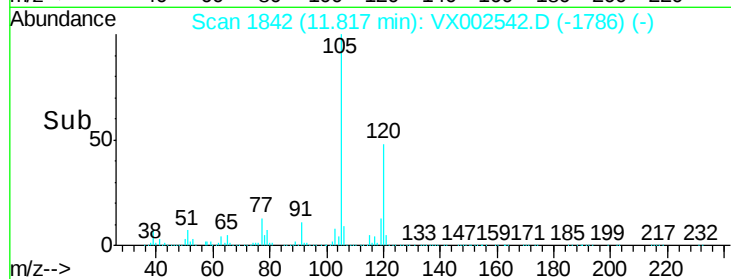
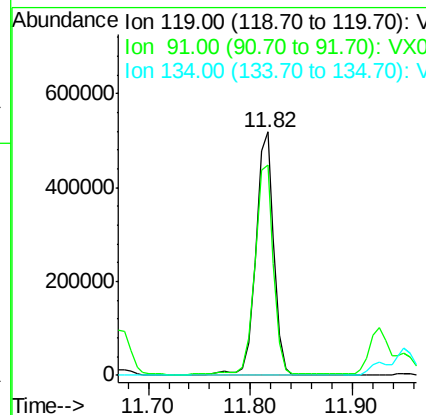
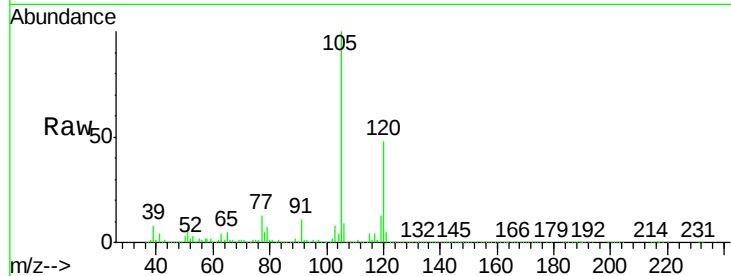




#83
 tert-Butylbenzene
 Concen: 41.94 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.04 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

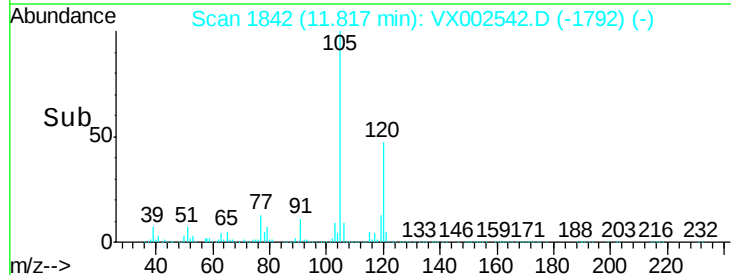
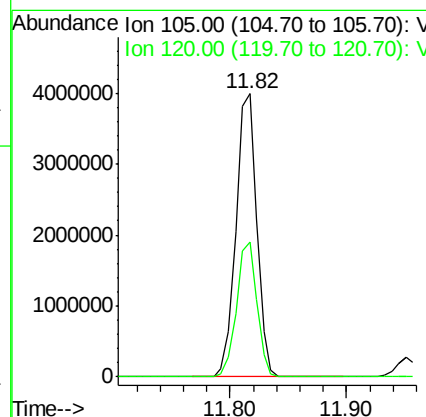
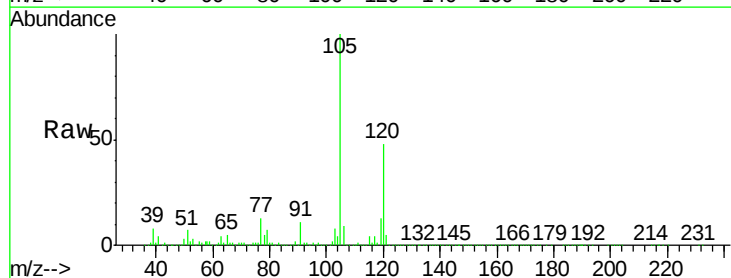
Instrument :
 MSVOA_X
 ClientSampleId :

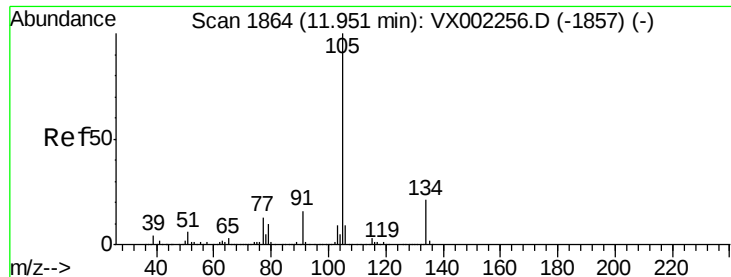
Tot Ion:119 Resp: 636439
 Ion Ratio Lower Upper
 119 100
 91 89.3 30.3 90.9
 134 0.0 11.7 35.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 310.18 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Tgt Ion:105 Resp: 4975472
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 18.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

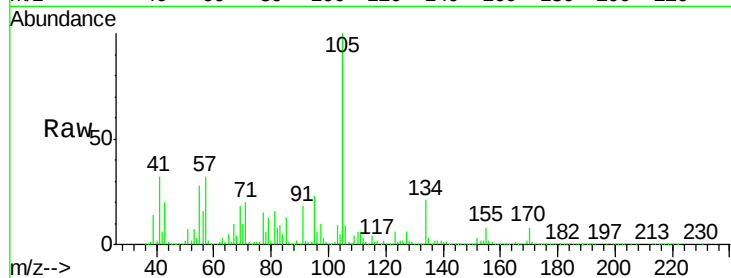
ClientSampleId :

Tot Ion:105 Resp: 328818

Ion Ratio Lower Upper

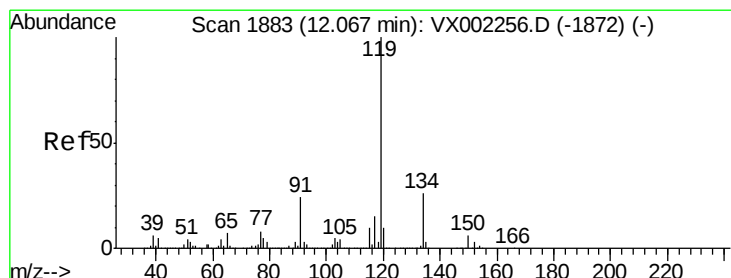
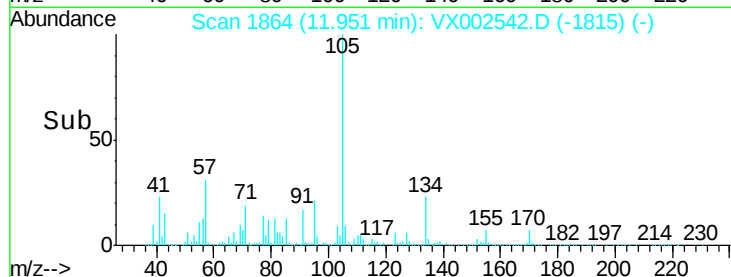
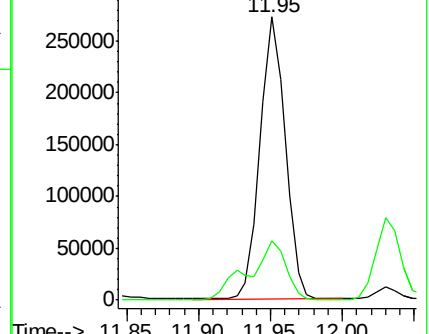
105 100

134 31.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 13.25 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

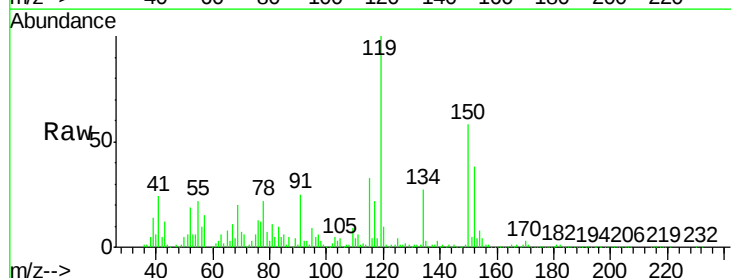
Tgt Ion:119 Resp: 214772

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.1

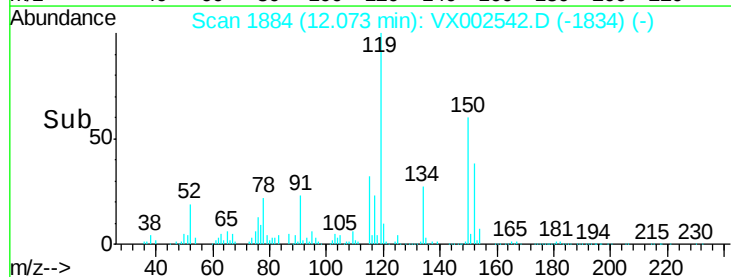
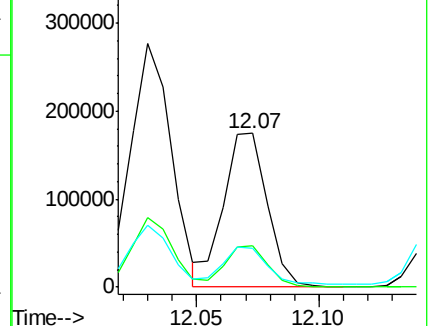
91 24.4 11.9 35.7

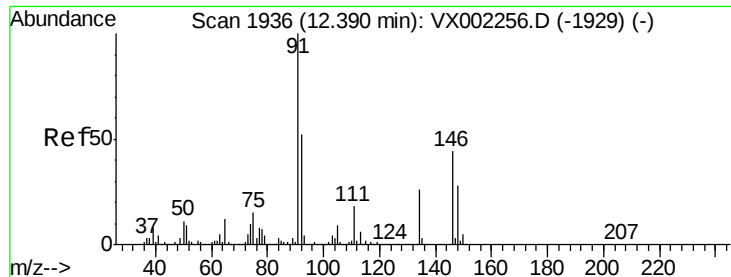


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 57.26 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

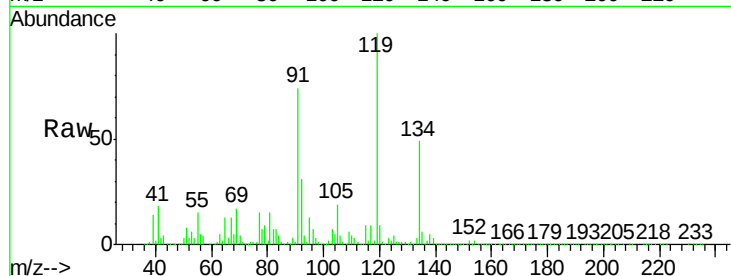
Tot Ion: 91 Resp: 778220

Ion Ratio Lower Upper

91 100

92 32.9 26.0 78.0

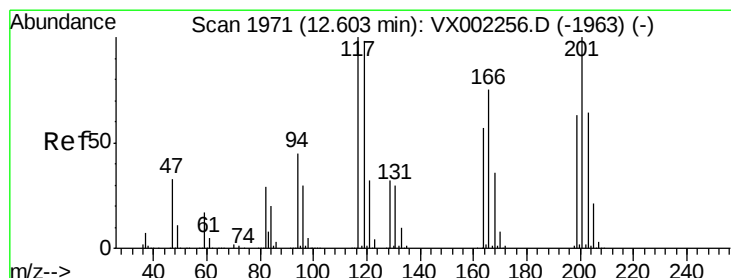
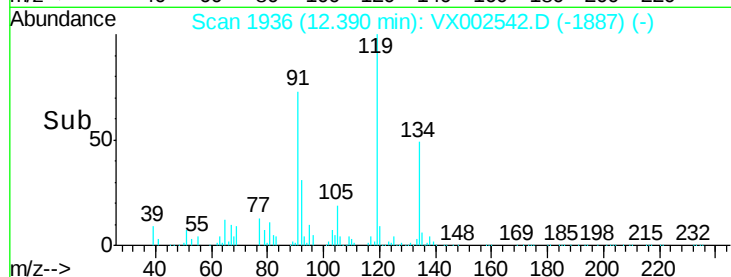
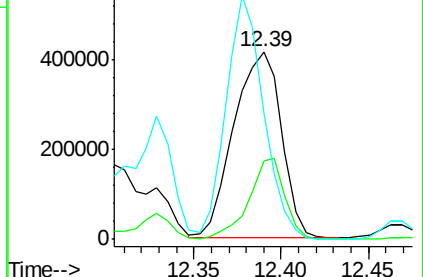
134 103.6 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 37.33 ug/l

RT: 12.62 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VX002542.D

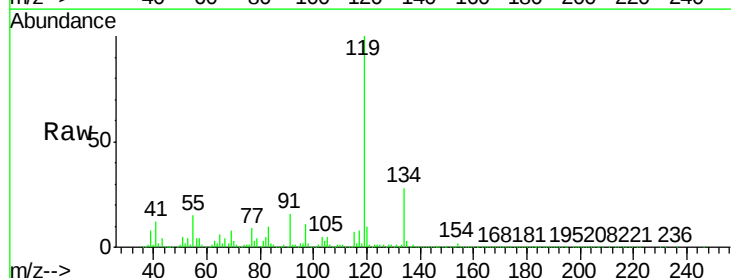
Acq: 14 Jun 2018 07:08

Tgt Ion: 117 Resp: 96567

Ion Ratio Lower Upper

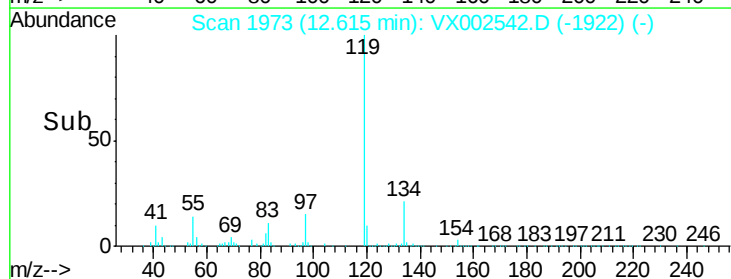
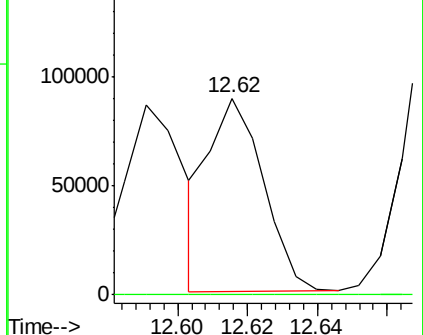
117 100

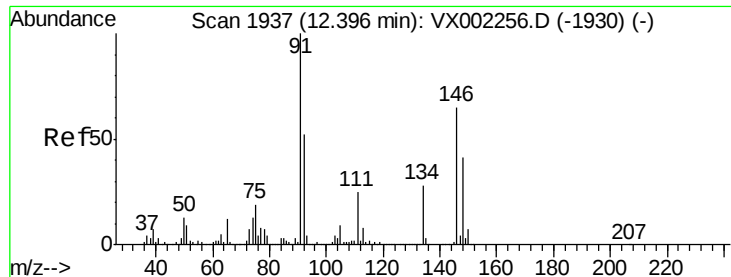
201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.27 ug/l

RT: 12.33 min Scan# 1927

Delta R.T. -0.06 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

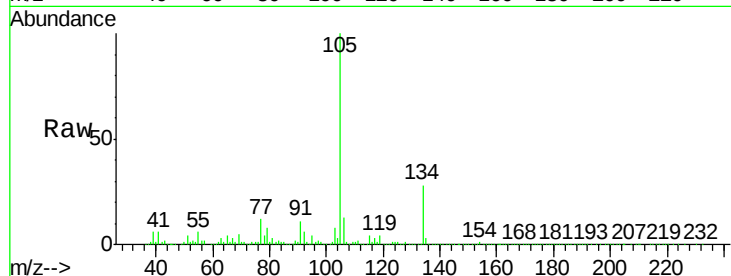
Tot Ion:146 Resp: 2582

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

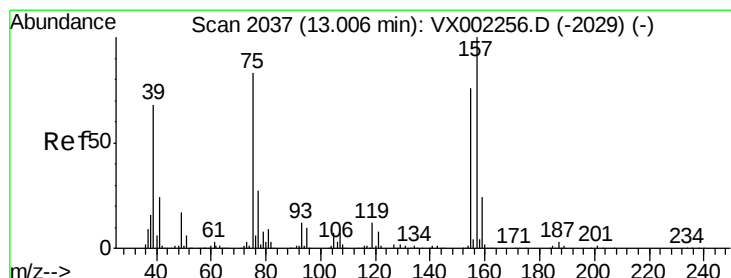
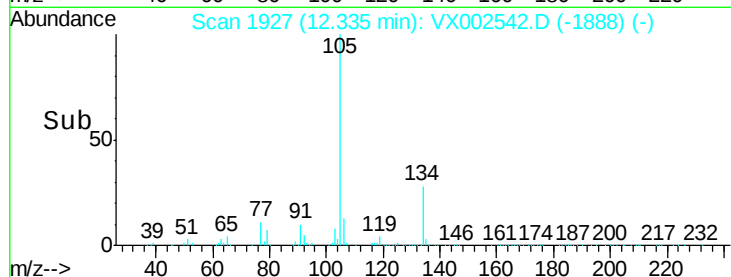
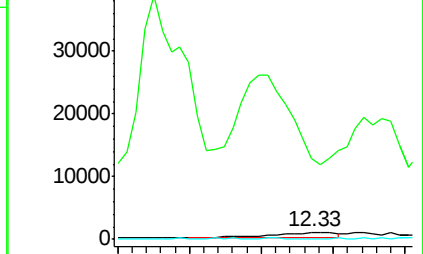
148 0.0 31.7 95.1#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.69 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX002542.D

Acq: 14 Jun 2018 07:08

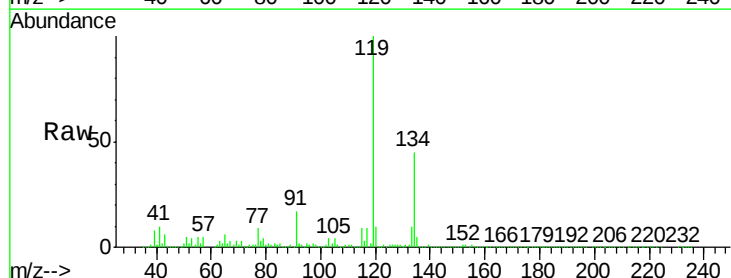
Tgt Ion: 75 Resp: 12108

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

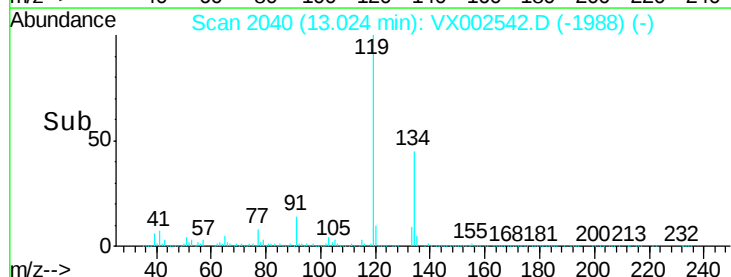
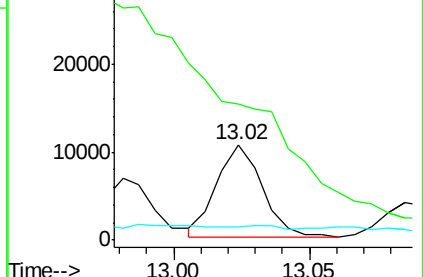
157 0.0 60.1 180.3#

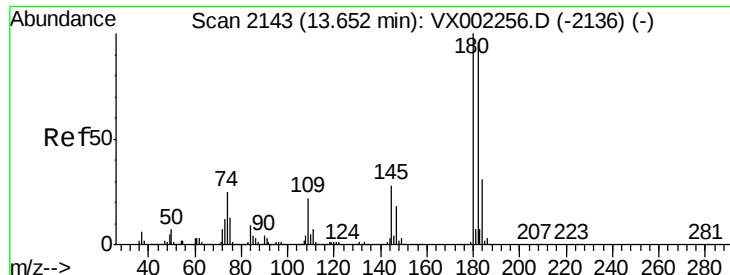


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

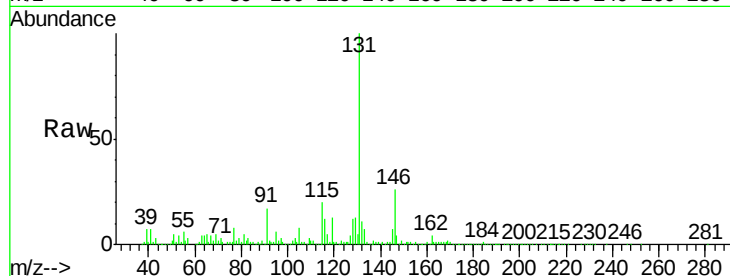




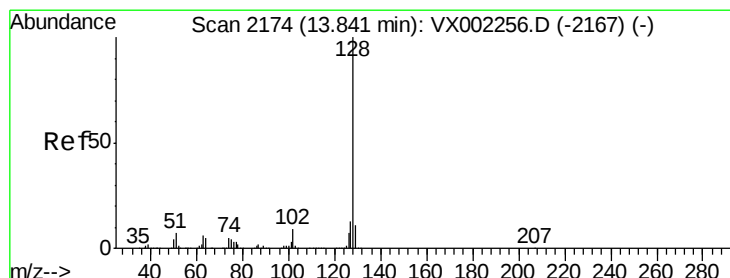
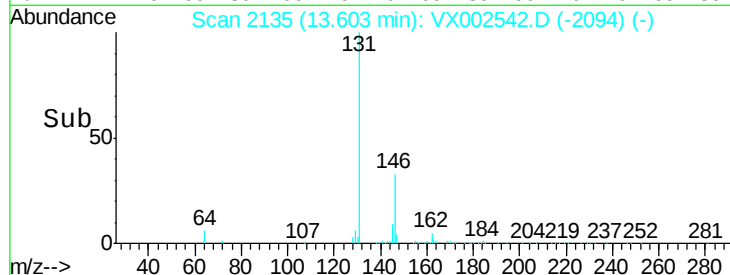
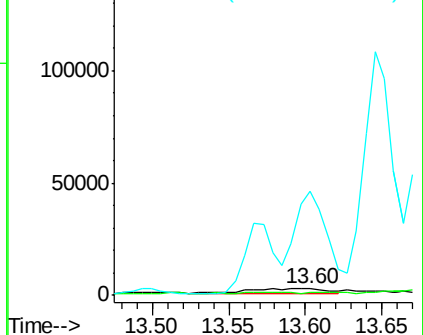
#93
 1,2,4-Trichlorobenzene
 Concen: 1.04 ug/l
 RT: 13.60 min Scan# 2135
 Delta R.T. -0.05 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.7	143.1#
145	912.1	14.1	42.4#

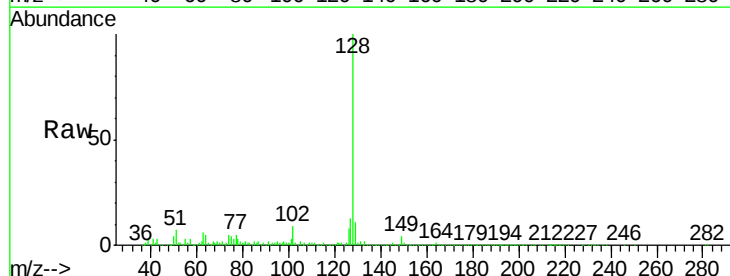


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

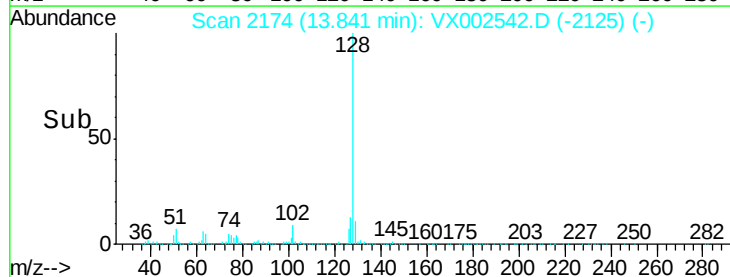
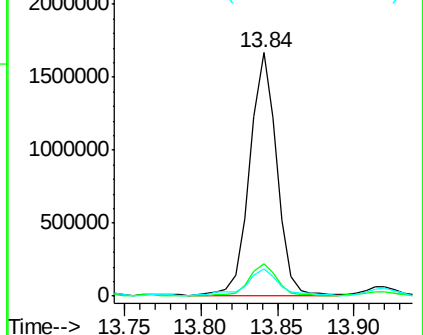


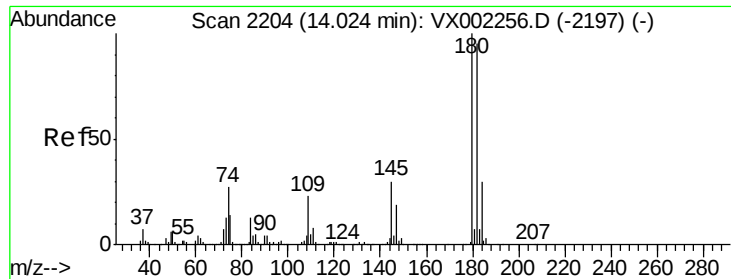
#95
 Naphthalene
 Concen: 106.58 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	13.2	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.37 ug/l
 RT: 14.04 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: VX002542.D
 Acq: 14 Jun 2018 07:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 9229
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.0#
 145 2711.9 14.8 44.3#

