

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002242.D
 Acq On : 02 Jun 2018 16:30
 Operator : JC/MD
 Sample : J3119-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 05:08:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180721	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	216763	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	5.51	113	157113	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
50) Toluene-d8	8.72	98	629619	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.14	95	213558	41.77	ug/l	0.00
Spiked Amount			Recovery	=	83.54%	

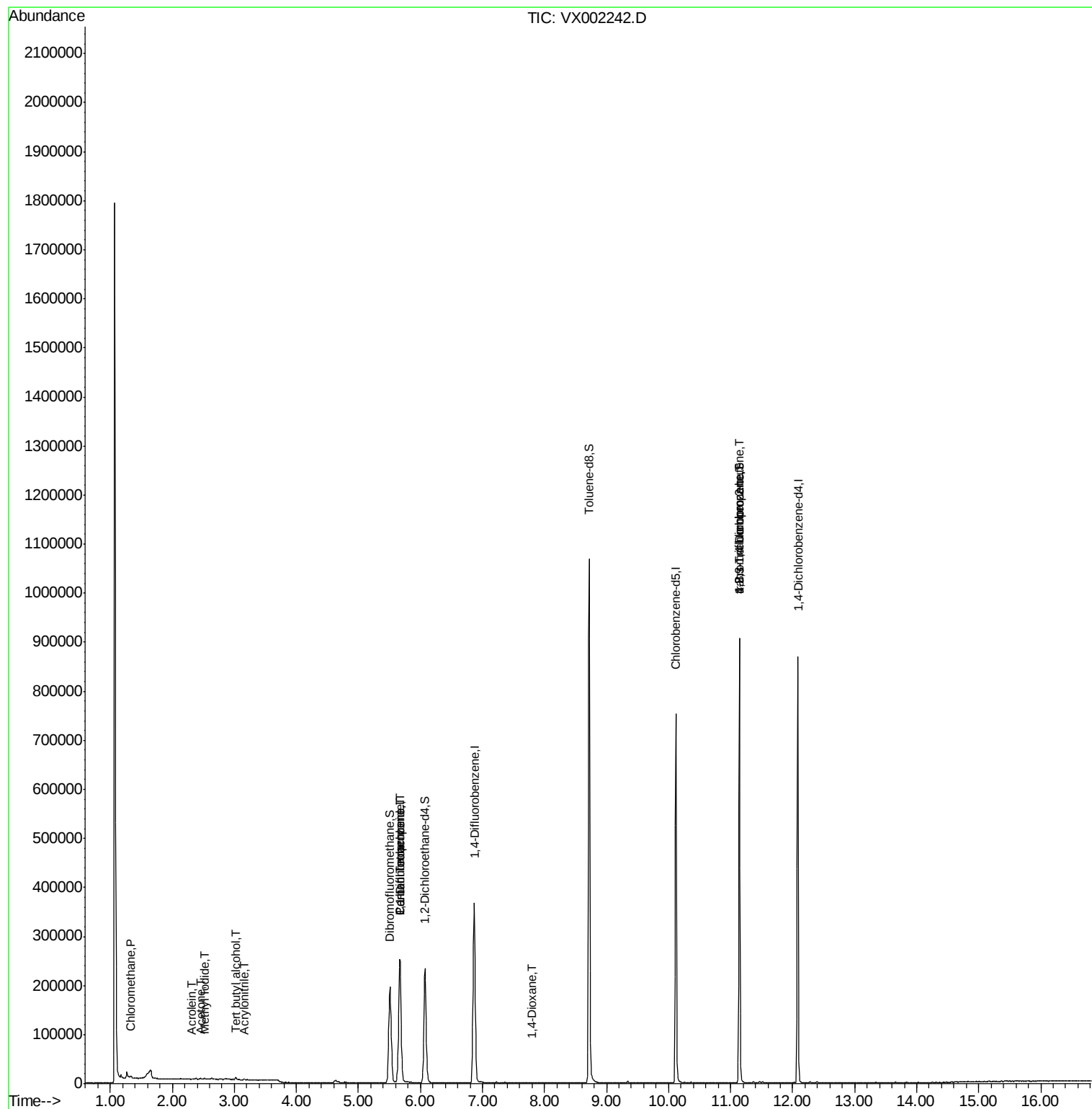
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	174	Below Cal		76
3) Chloromethane	1.32	50	2168	0.56	ug/l	99
10) Methyl Iodide	2.51	142	2092	0.49	ug/l #	91
11) Tert butyl alcohol	3.02	59	2383	2.68	ug/l #	91
13) Acrolein	2.31	56	316	0.82	ug/l	86
15) Acrylonitrile	3.16	53	462	0.25	ug/l #	78
16) Acetone	2.45	43	2200	1.26	ug/l #	84
18) Methyl Acetate	2.78	43	493	Below Cal	#	79
20) Methylene Chloride	2.85	84	796	Below Cal	#	74
21) trans-1,2-Dichloroethene	3.16	96	241	Below Cal	#	23
28) Bromochloromethane	5.03	49	51	Below Cal	#	14
36) 1,1-Dichloropropene	5.67	75	17941	3.57	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23366	3.99	ug/l #	13
41) Methacrylonitrile	5.07	41	164	Below Cal	#	35
49) 1,4-Dioxane	7.79	88	40	0.41	ug/l #	1
74) N-amyl acetate	6.49	43	345	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.34	83	22	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	116917	26.93	ug/l #	32
79) 2-Chlorotoluene	11.42	91	531	Below Cal		84
81) trans-1,4-Dichloro-2-buten	11.14	75	116917	64.73	ug/l #	10

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

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QLast Update : Thu May 24 13:09:03 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

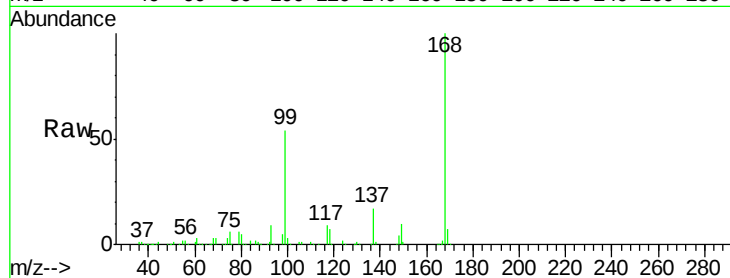
ClientSampled :

Tot Ion:168 Resp: 253128

Ion Ratio Lower Upper

168 100

99 53.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

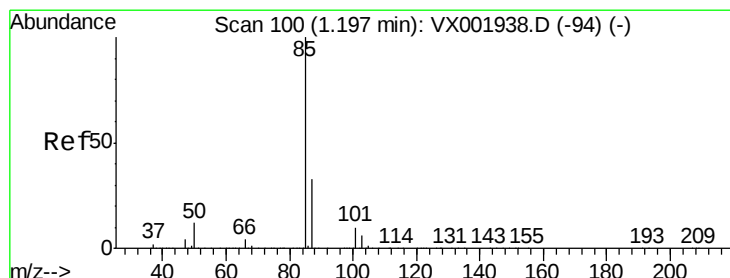
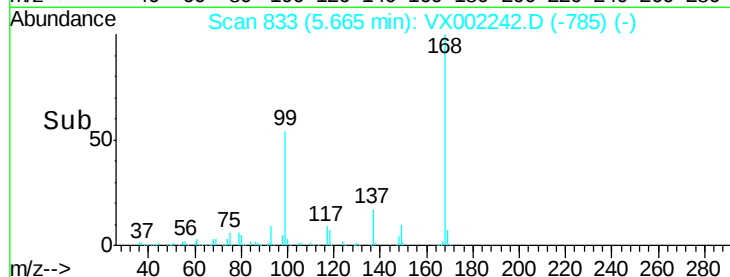
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002242.D

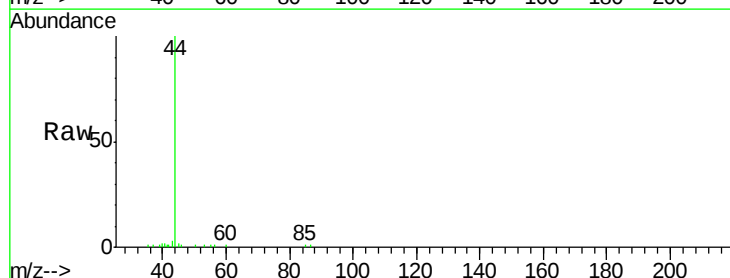
Acq: 02 Jun 2018 16:30

Tgt Ion: 85 Resp: 174

Ion Ratio Lower Upper

85 100

87 47.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

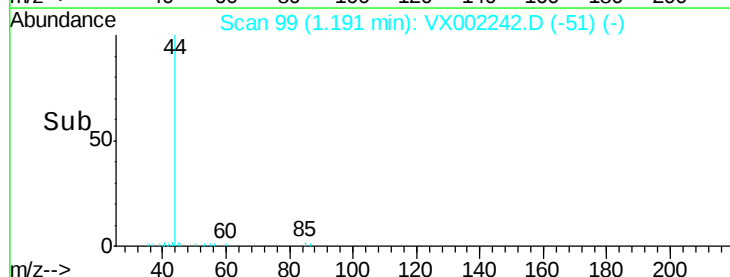
150

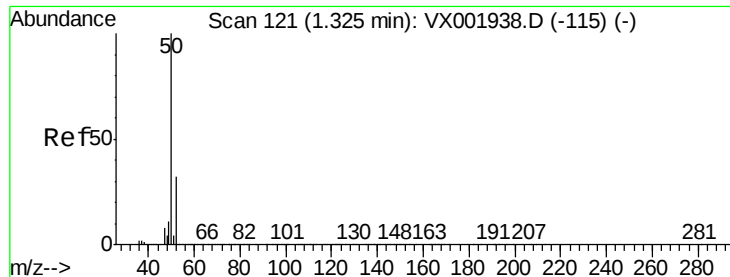
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

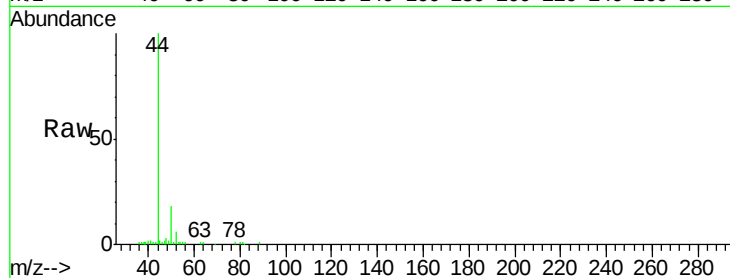
ClientSampleId :

Tot Ion: 50 Resp: 2168

Ion Ratio Lower Upper

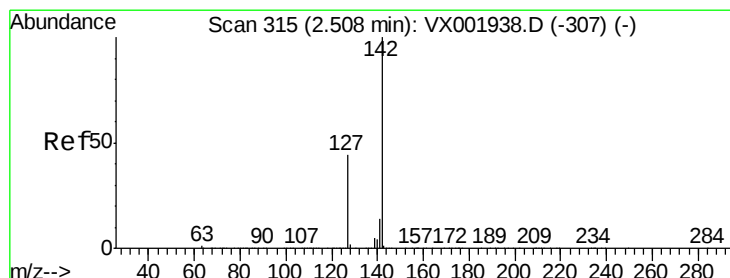
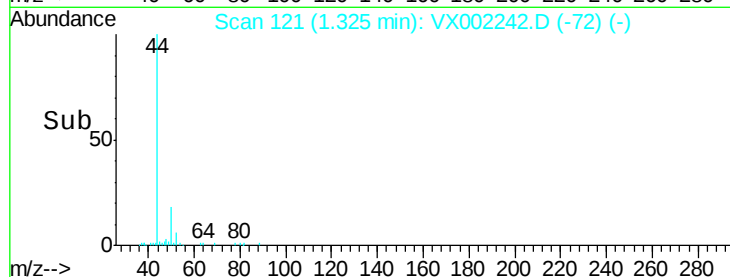
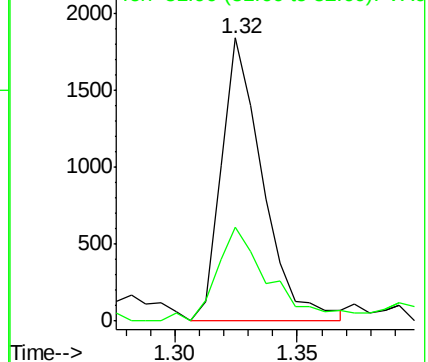
50 100

52 33.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX001938.D (-115) (-)

Ion 51.90 (51.60 to 52.60): VX002242.D (-72) (-)



#10

Methyl Iodide

Concen: 0.49 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

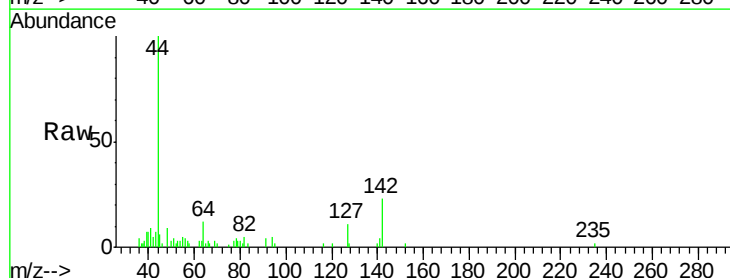
Tgt Ion: 142 Resp: 2092

Ion Ratio Lower Upper

142 100

127 48.4 35.5 53.3

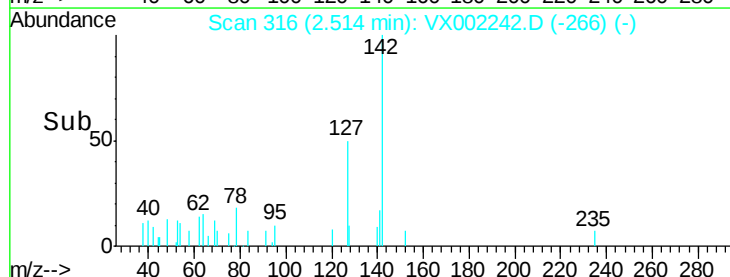
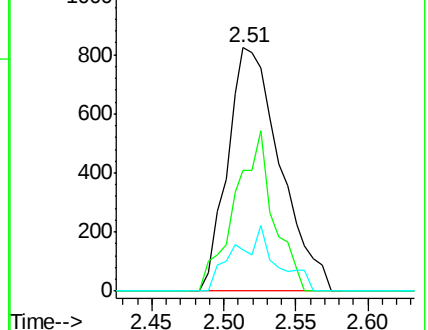
141 21.4 11.3 16.9#

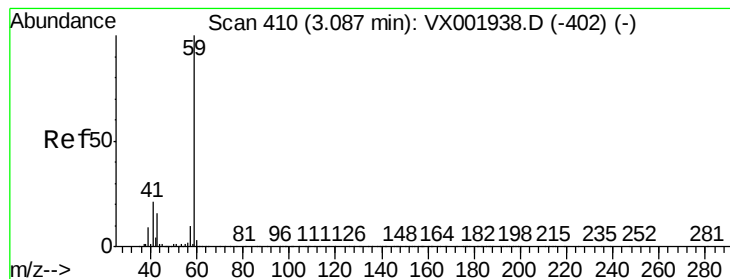


Abundance Ion 141.80 (141.50 to 142.50): VX001938.D (-307) (-)

Ion 126.80 (126.50 to 127.50): VX002242.D (-266) (-)

Ion 140.80 (140.50 to 141.50): VX002242.D (-266) (-)



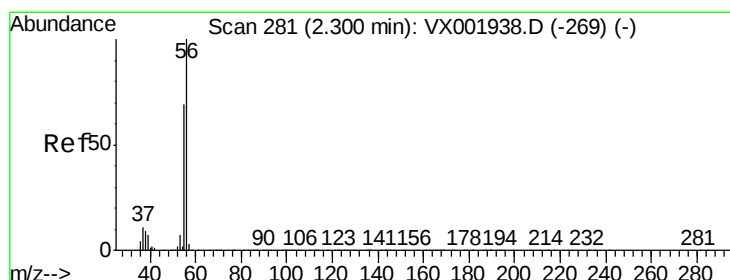
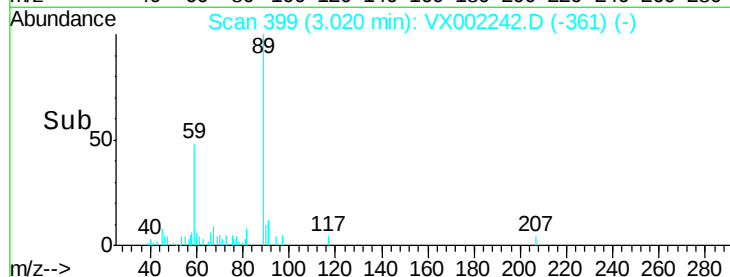
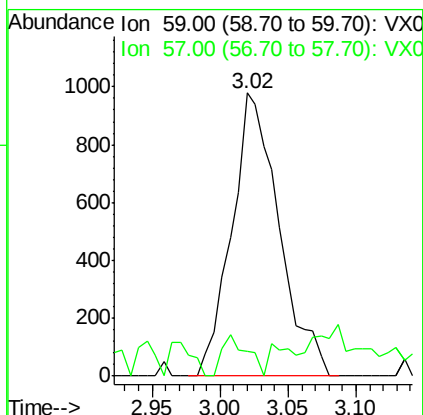
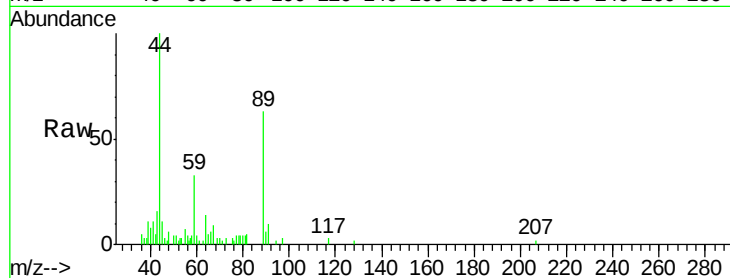


#11

Tert butvl alcohol
 Concen: 2.68 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.07 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

Instrument :
 MSVOA_X
 ClientSampled :

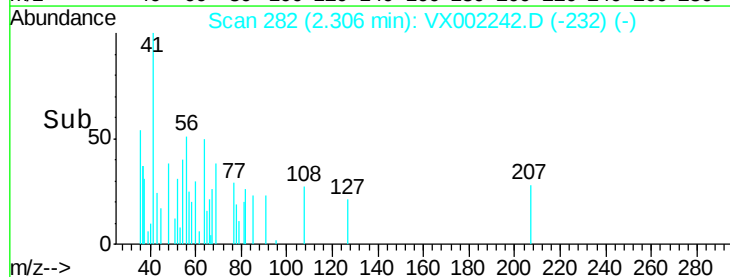
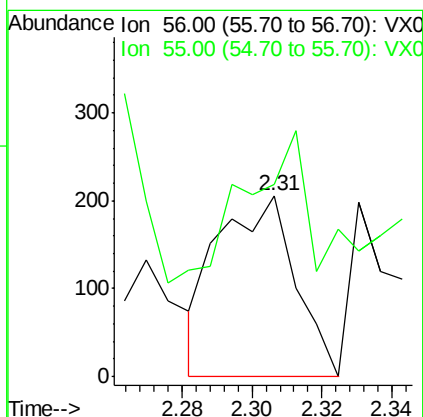
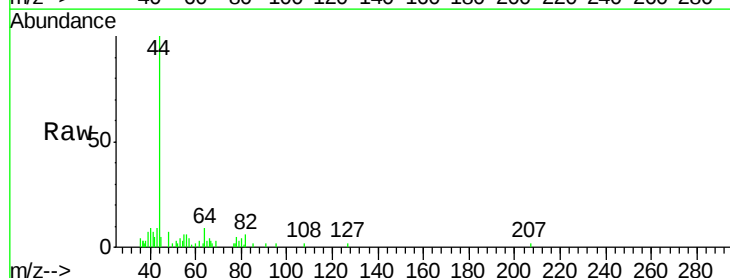
Tot Ion: 59 Resp: 2383
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.9 13.3#

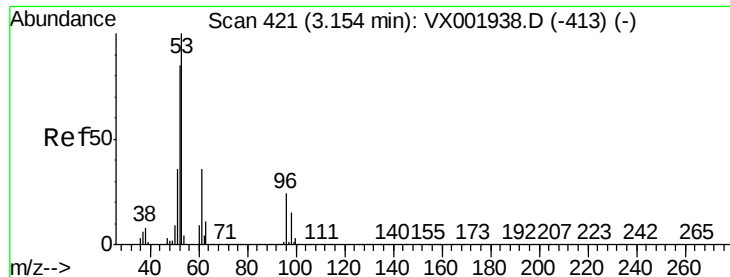


#13

Acrolein
 Concen: 0.82 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

Tgt Ion: 56 Resp: 316
 Ion Ratio Lower Upper
 56 100
 55 59.2 56.8 85.2





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

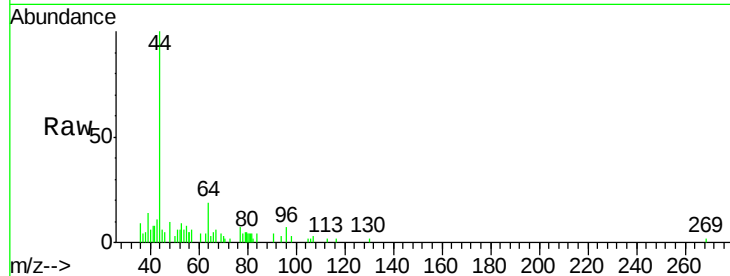
Tot Ion: 53 Resp: 462

Ion Ratio Lower Upper

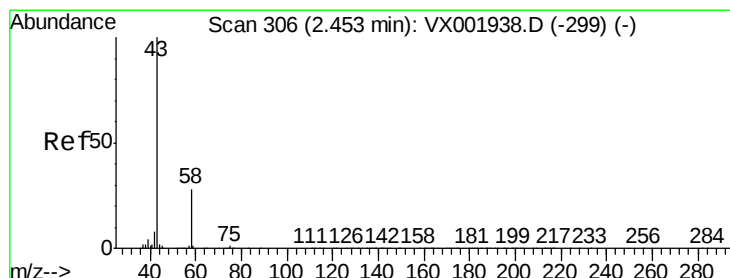
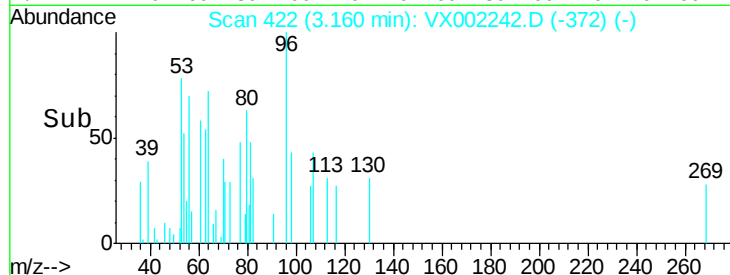
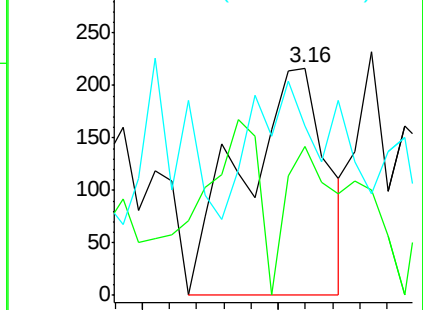
53 100

52 57.6 66.4 99.6#

51 41.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.26 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002242.D

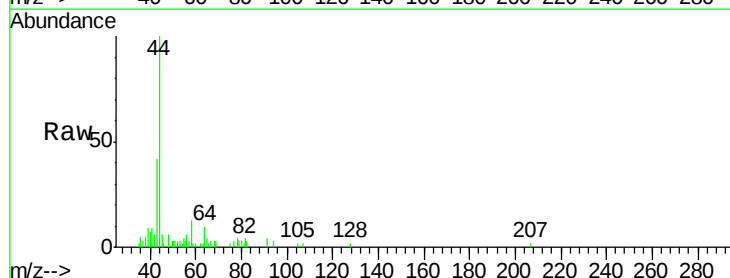
Acq: 02 Jun 2018 16:30

Tgt Ion: 43 Resp: 2200

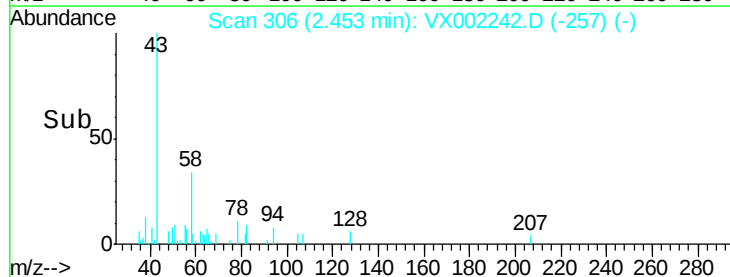
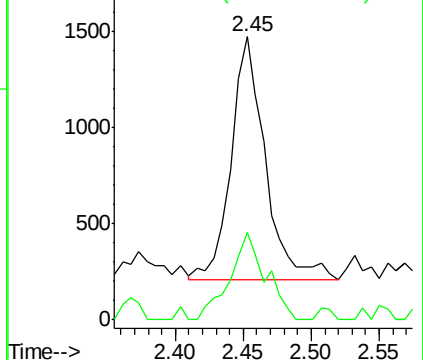
Ion Ratio Lower Upper

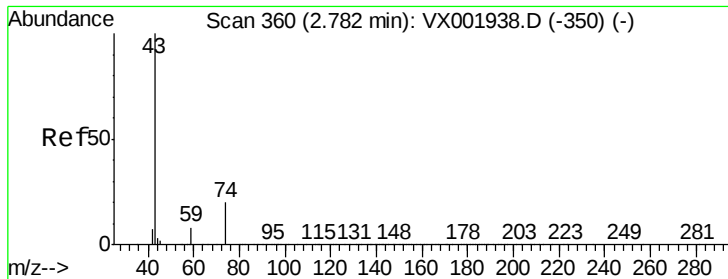
43 100

58 36.1 22.3 33.5#



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

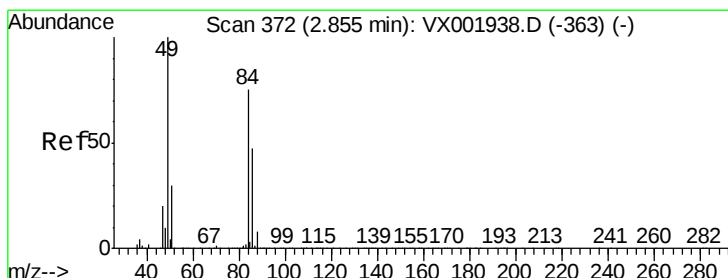
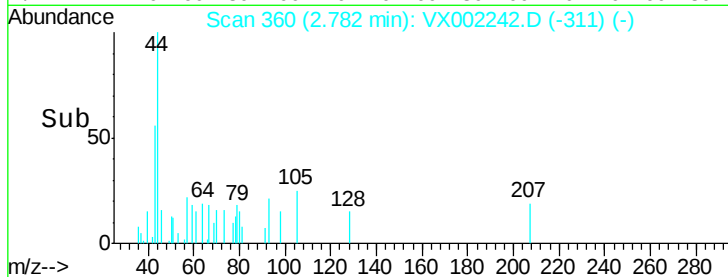
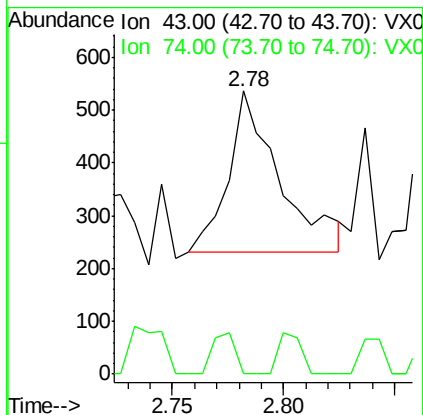
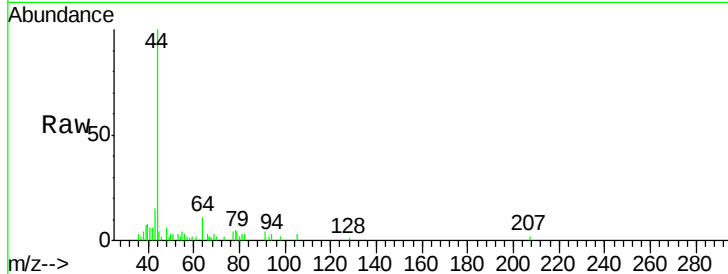




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

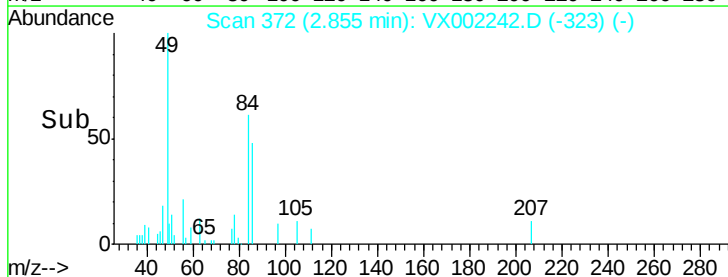
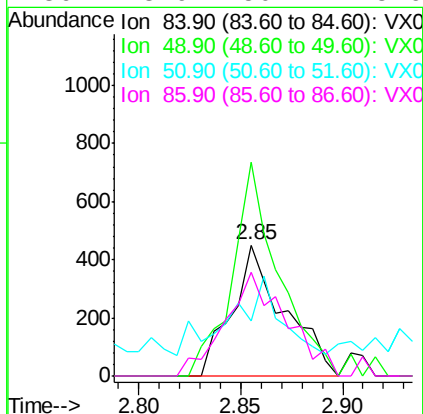
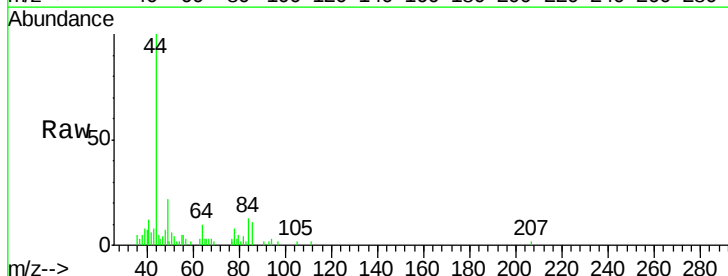
Instrument :
MSVOA_X
ClientSampleId :

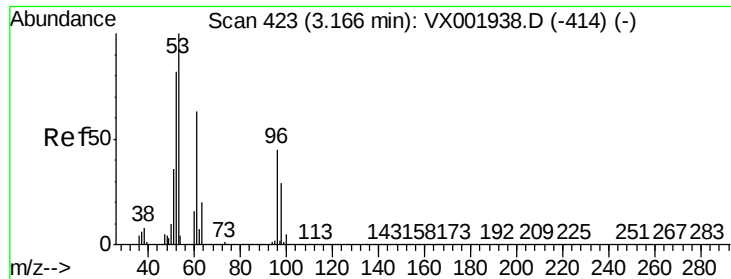
Tot Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
74 11.0 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 163.3 107.2 160.8#
51 18.0 32.4 48.6#
86 78.9 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

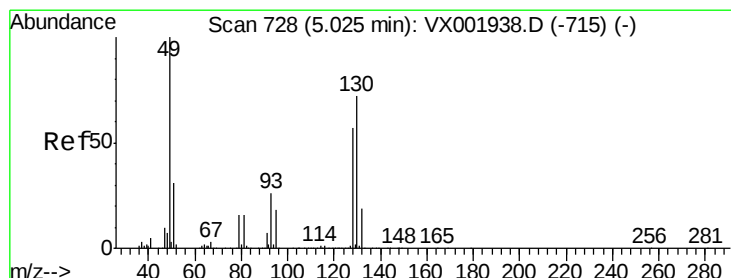
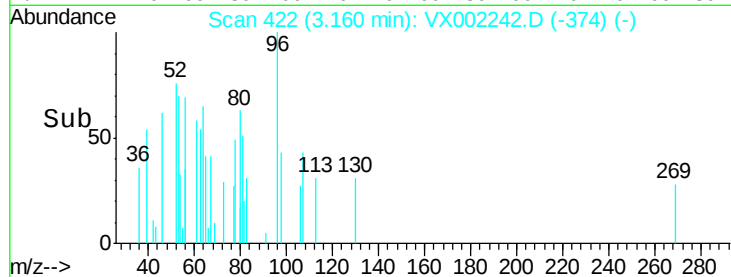
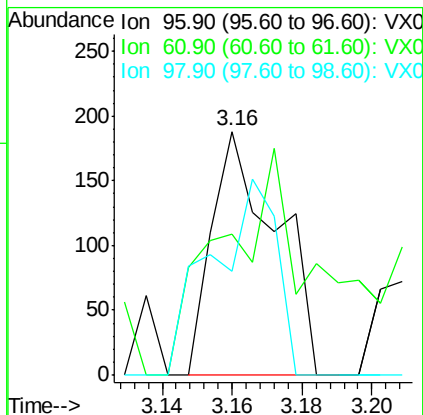
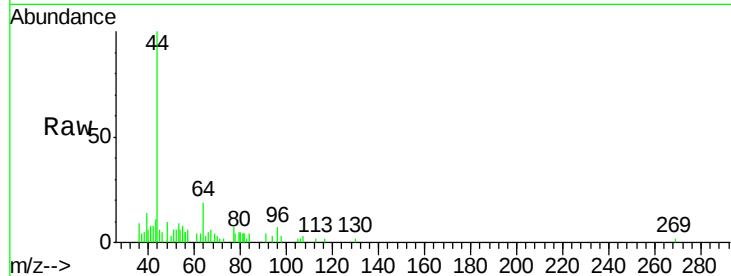
Delta R.T. -0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 241
Ion Ratio Lower Upper
96 100
61 20.2 113.3 169.9#
98 42.6 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

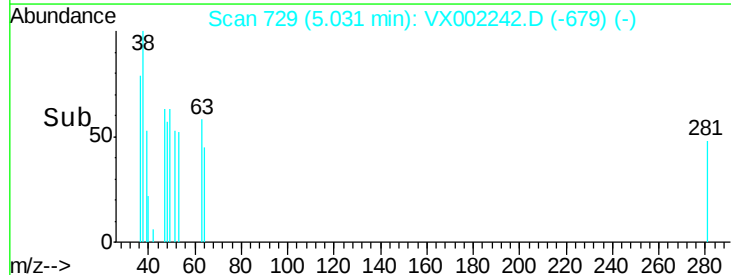
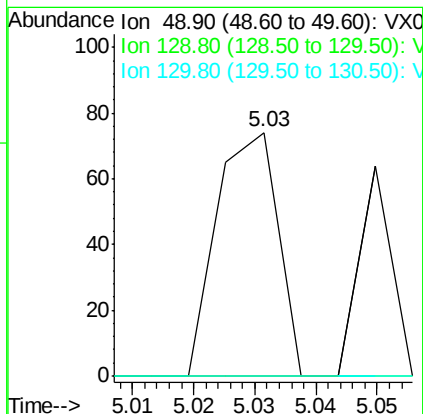
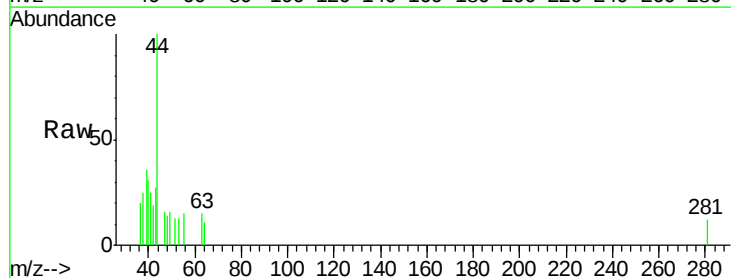
RT: 5.03 min Scan# 729

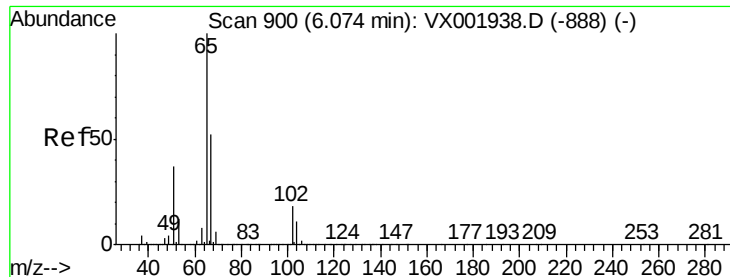
Delta R.T. 0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Tgt Ion: 49 Resp: 51
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 59.4 89.2#





#33

1,2-Dichloroethane-d4

Concen: 47.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

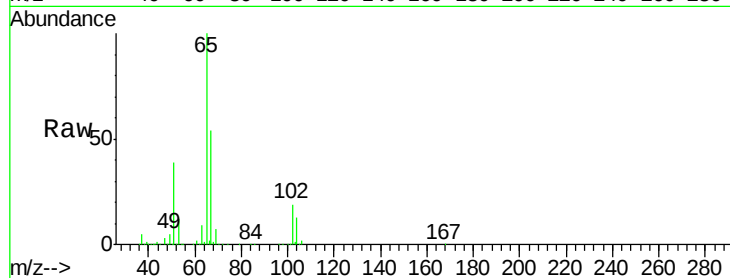
ClientSampleId :

Tot Ion: 65 Resp: 216763

Ion Ratio Lower Upper

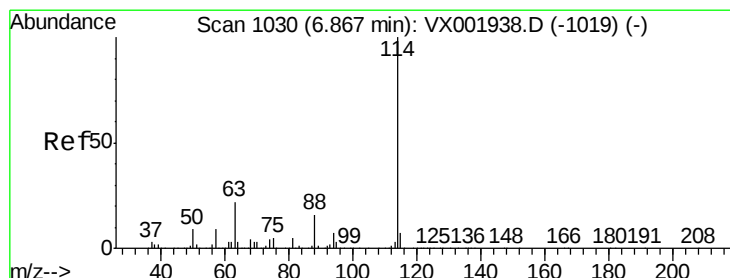
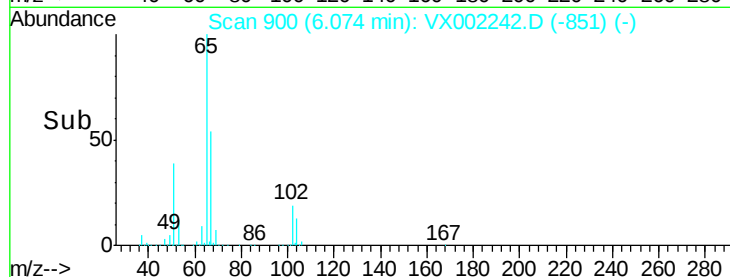
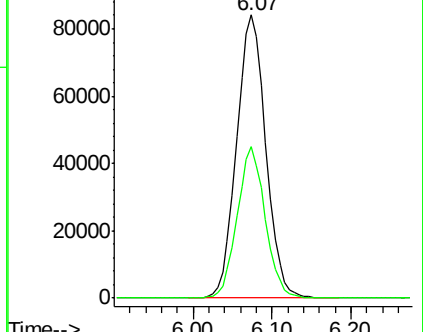
65 100

67 51.1 0.0 104.0



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: VX002242.D

Acq: 02 Jun 2018 16:30

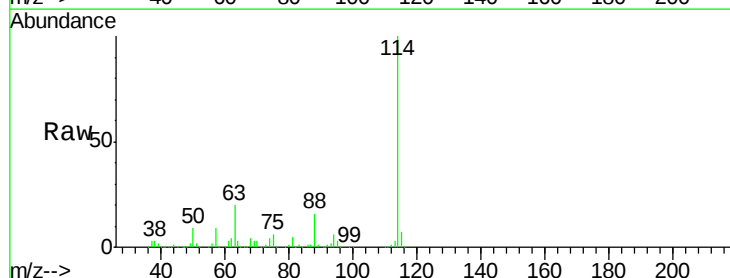
Tgt Ion: 114 Resp: 360965

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

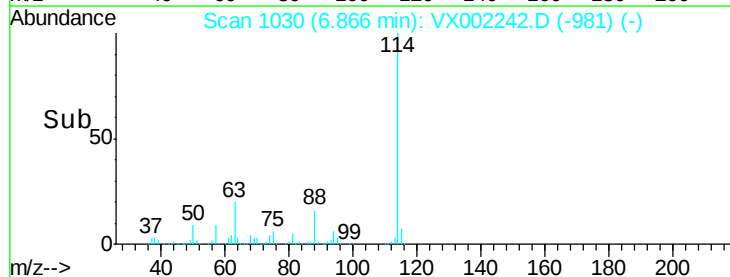
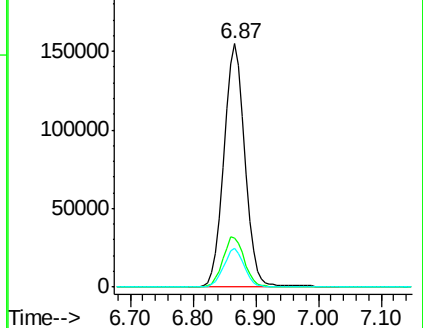
88 15.9 0.0 31.6

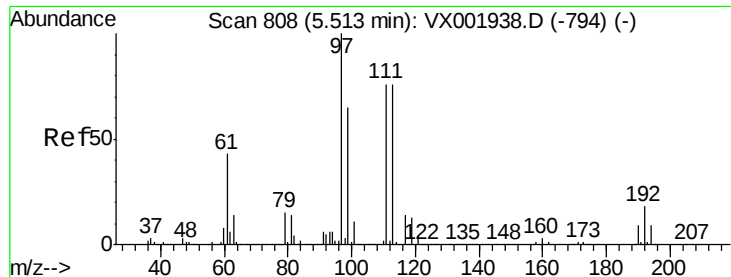


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :

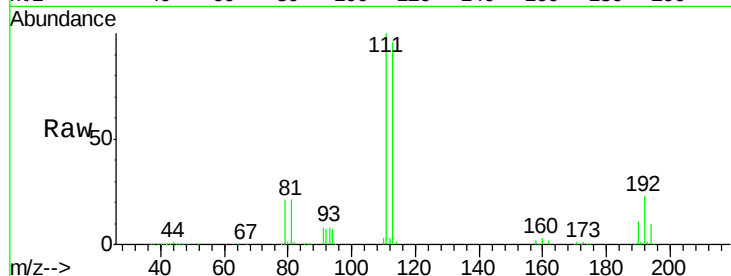
Tot Ion:113 Resp: 157113

Ion Ratio Lower Upper

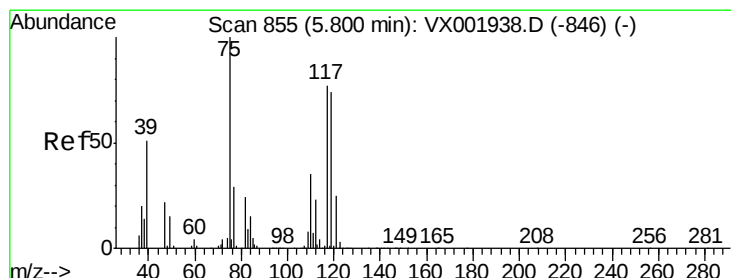
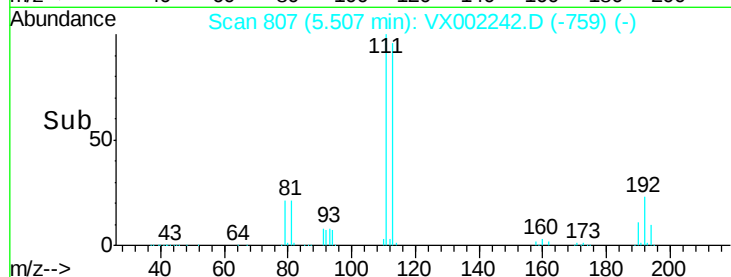
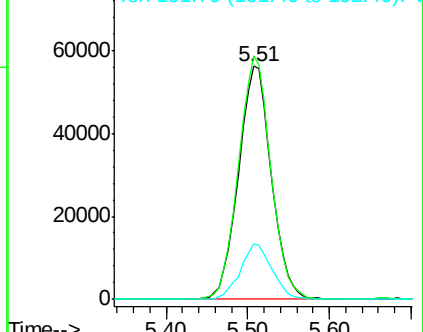
113 100

111 102.9 82.0 123.0

192 23.1 18.9 28.3



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: 3.57 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

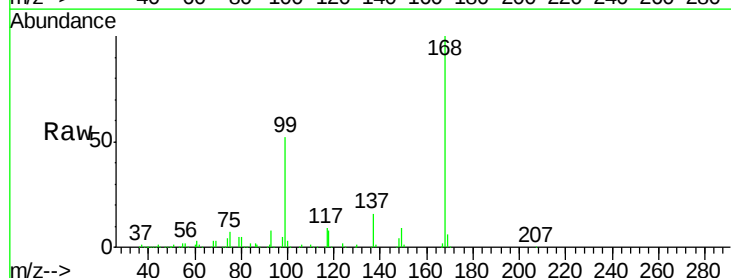
Tgt Ion: 75 Resp: 17941

Ion Ratio Lower Upper

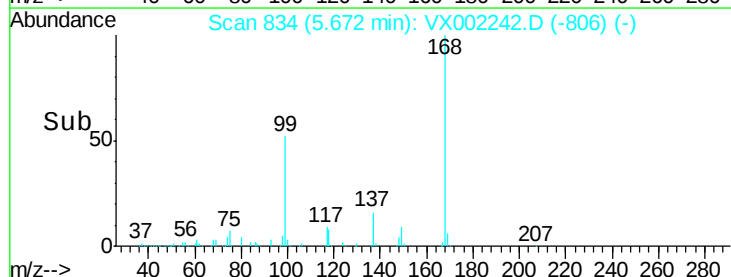
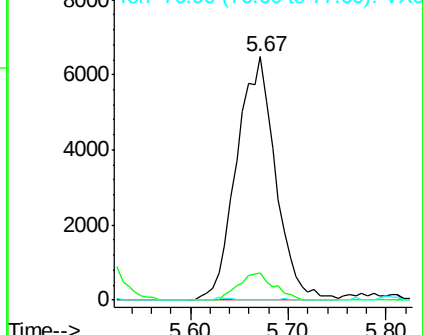
75 100

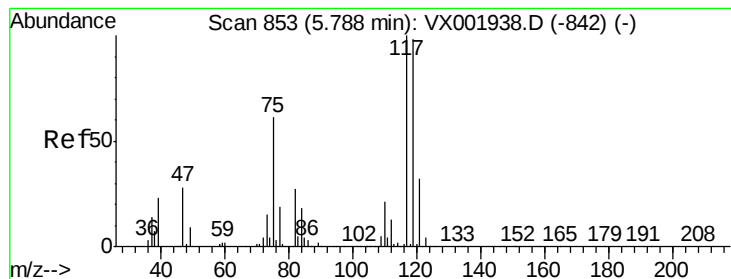
110 10.2 17.4 52.2#

77 0.0 24.4 36.6#



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: 3.99 ua/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

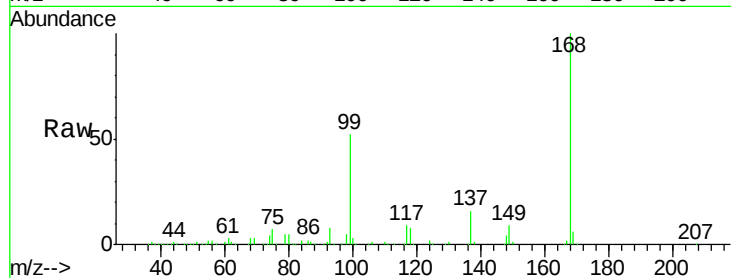
Tot Ion:117 Resp: 23366

Ion Ratio Lower Upper

117 100

119 2.8 78.5 117.7#

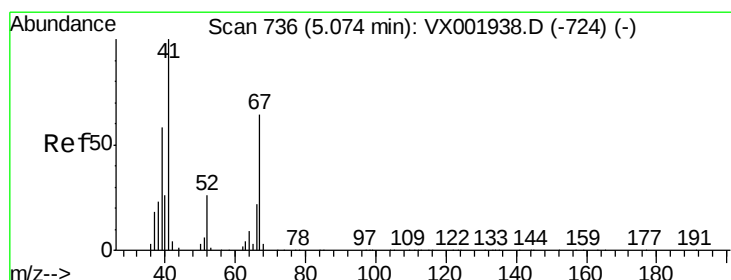
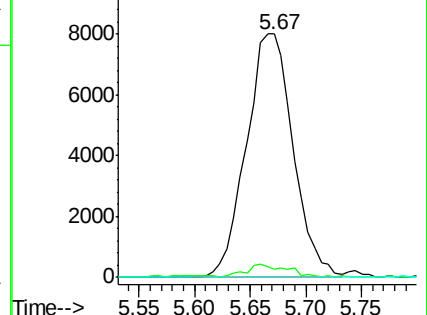
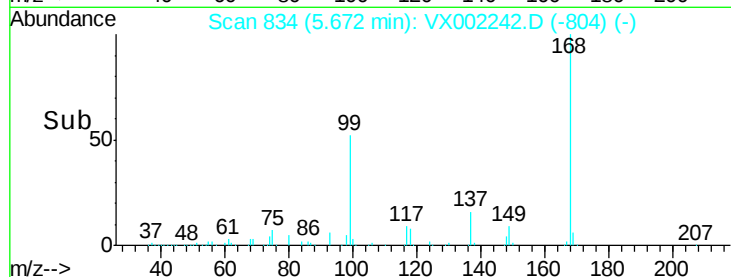
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Tgt Ion: 41 Resp: 164

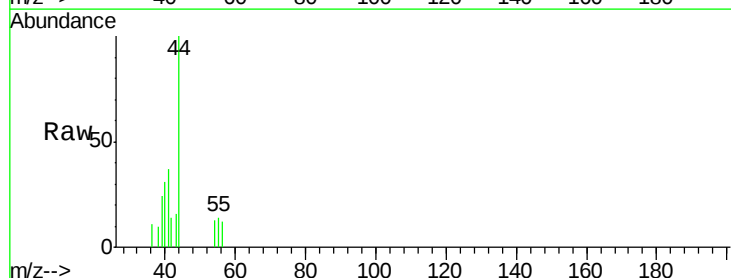
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 18.3 50.6 75.8#

52 0.0 21.9 32.9#

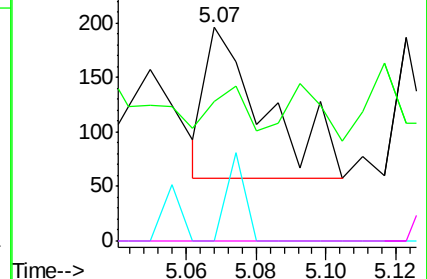
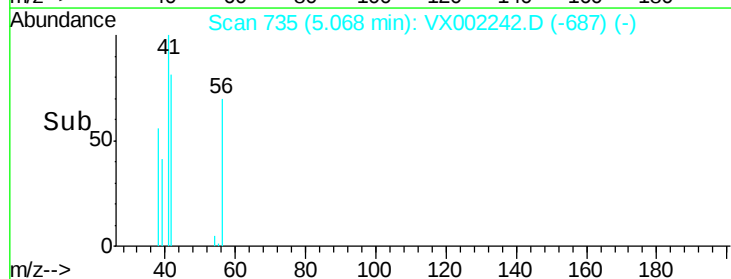


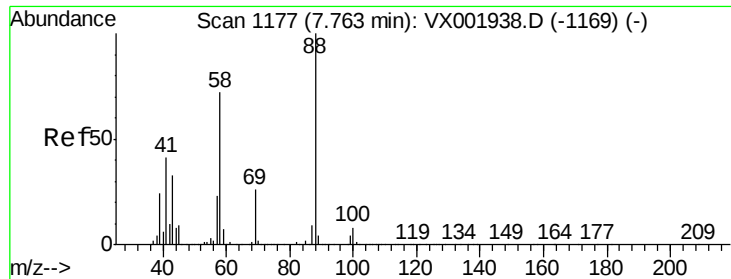
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

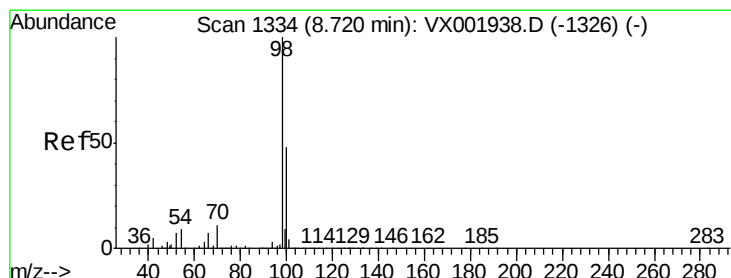
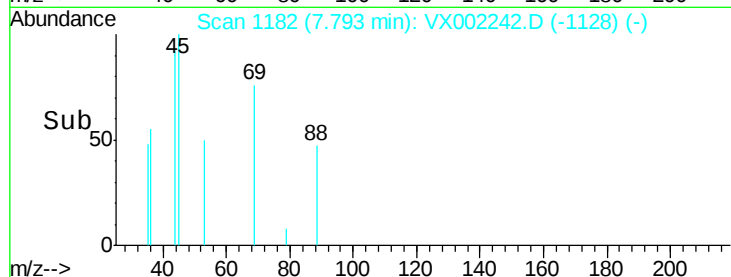
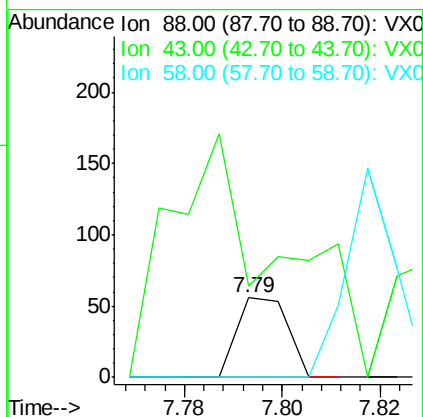
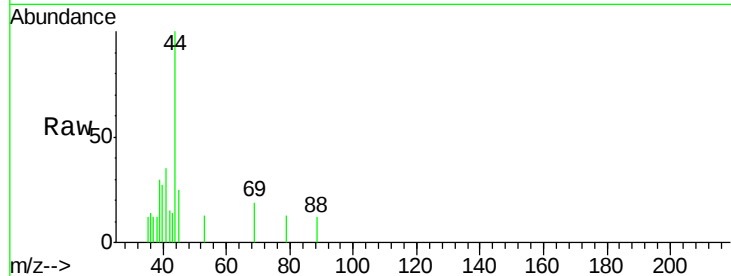




#49
 1,4-Dioxane
 Concen: 0.41 ug/l
 RT: 7.79 min Scan# 1182
 Delta R.T. 0.03 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

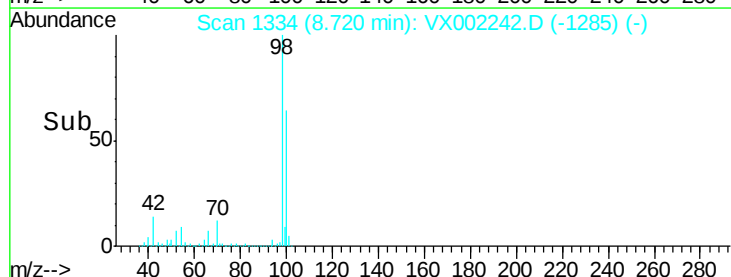
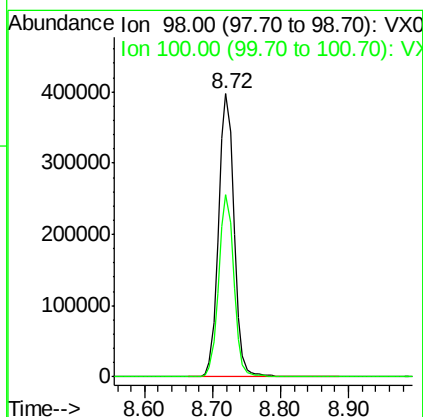
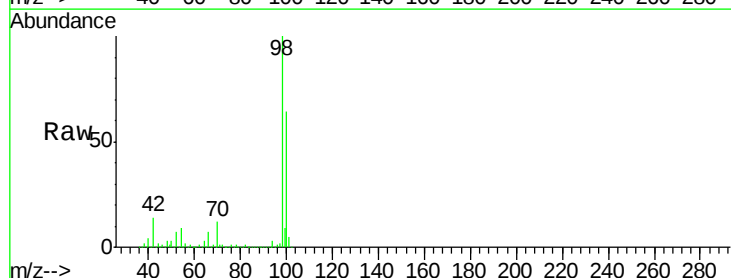
Instrument :
 MSVOA_X
 ClientSampled :

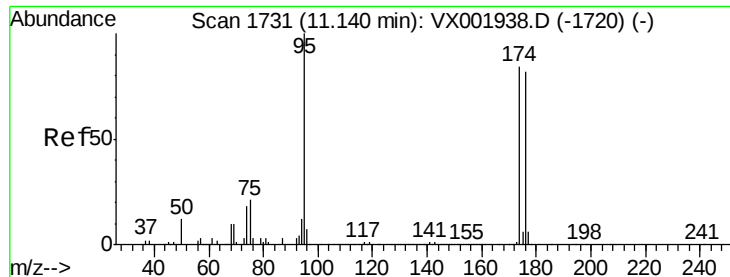
Tot Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 667.5 29.8 44.8#
 58 0.0 58.7 88.1#



#50
 Toluene-d8
 Concen: 48.18 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

Tgt Ion: 98 Resp: 629619
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.5 77.3

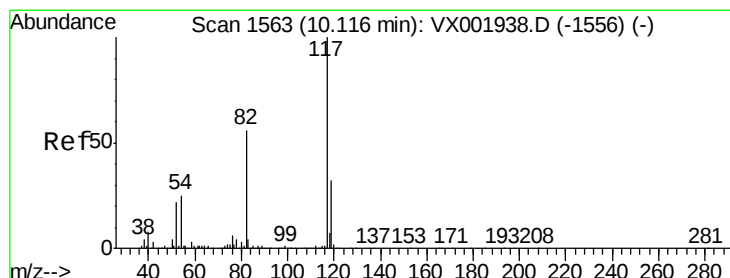
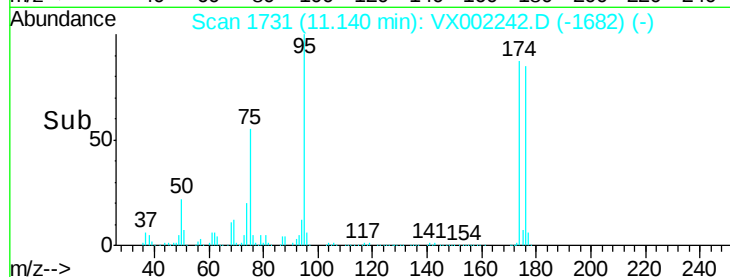
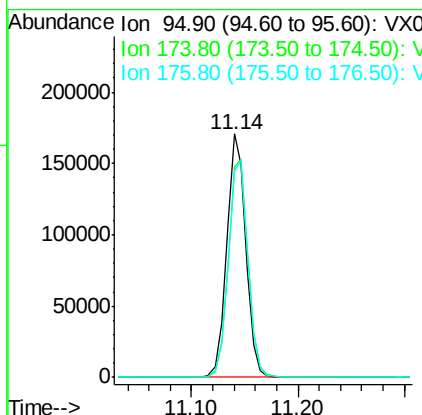
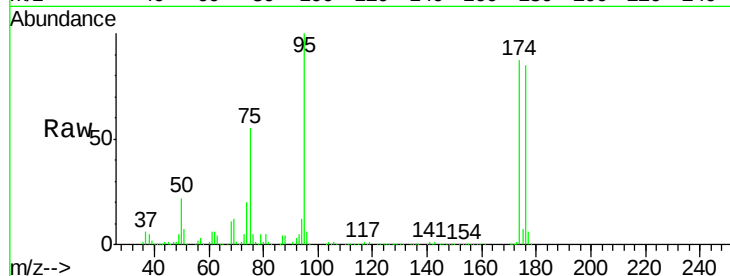




#62
4-Bromofluorobenzene
Concen: 41.77 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

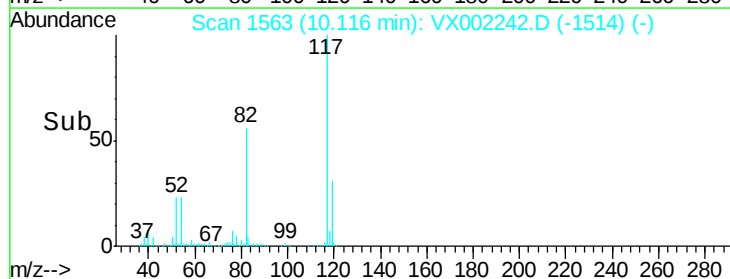
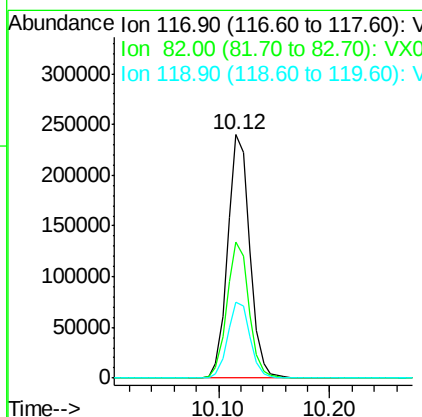
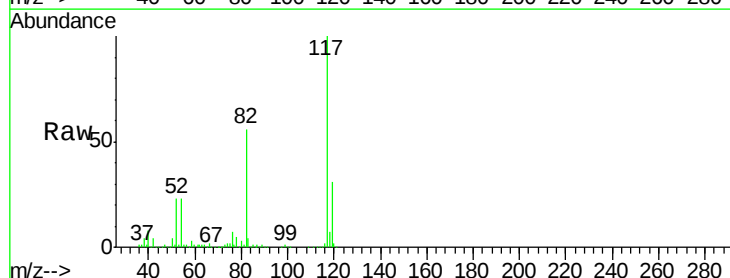
Instrument :
MSVOA_X
ClientSampleId :

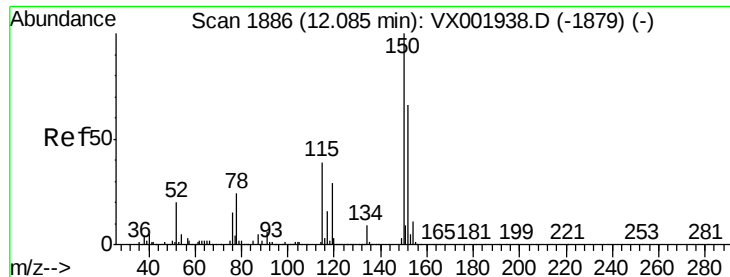
Tot Ion: 95 Resp: 213558
Ion Ratio Lower Upper
95 100
174 93.0 0.0 178.8
176 91.8 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

Tgt Ion: 117 Resp: 328563
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 31.0 25.5 38.3



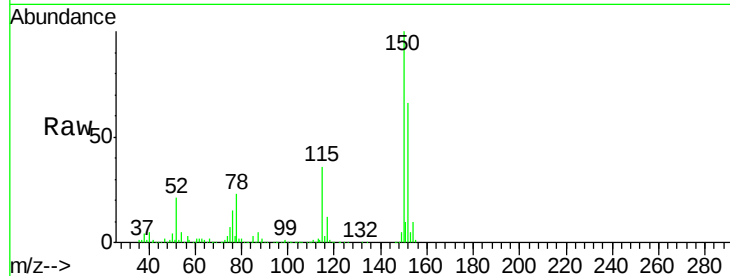


#72

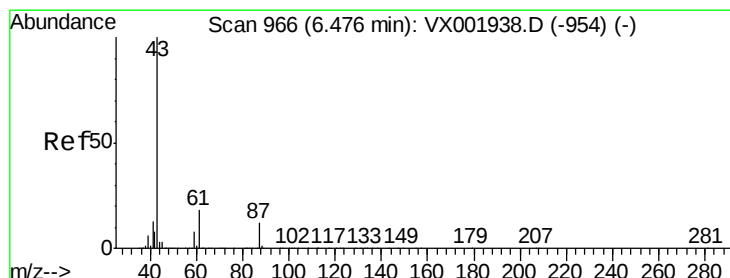
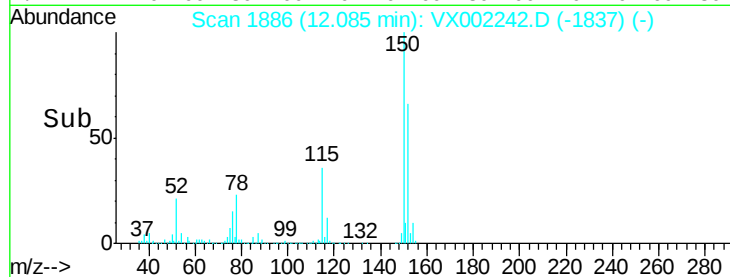
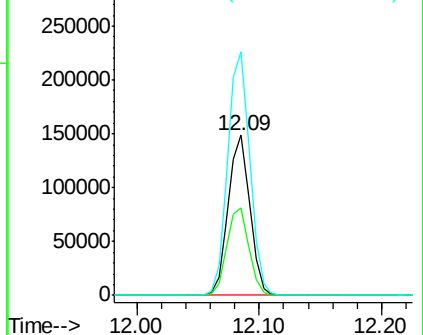
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	42.3	126.8
150	155.1	0.0	351.0



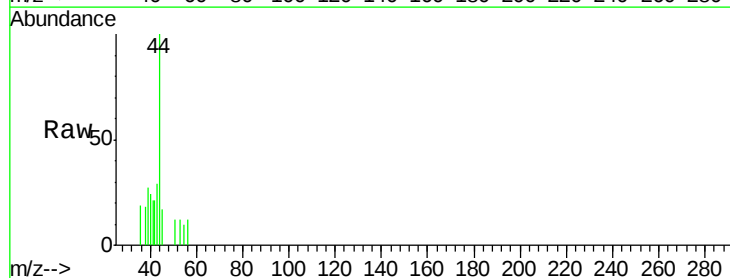
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



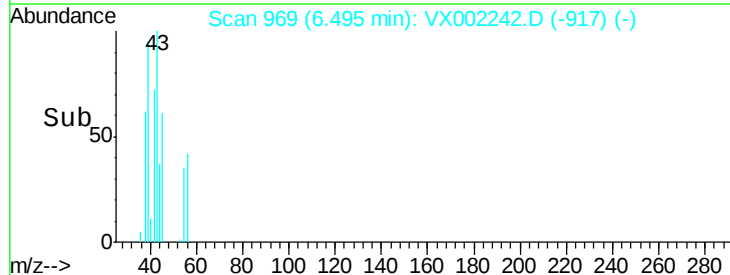
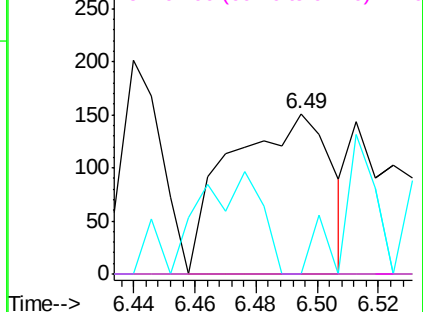
#74

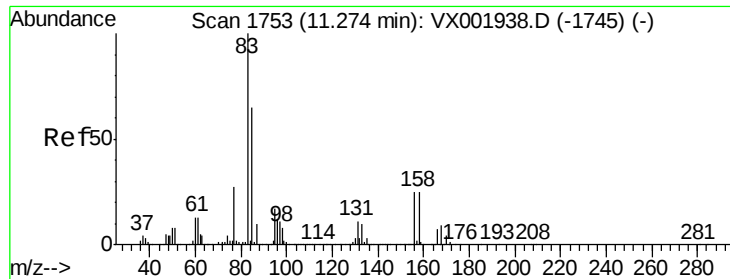
N-ethyl acetate
Concen: Below Cal
RT: 6.49 min Scan# 969
Delta R.T. 0.02 min
Lab File: VX002242.D
Acq: 02 Jun 2018 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	43.5	0.1	0.1#
61	0.0	14.5	21.7#



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: Below Cal

RT: 11.34 min Scan# 1764

Delta R.T. 0.07 min

Lab File: VX002242.D

Acq: 02 Jun 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

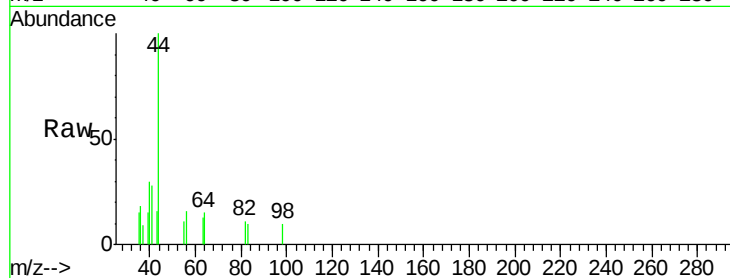
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

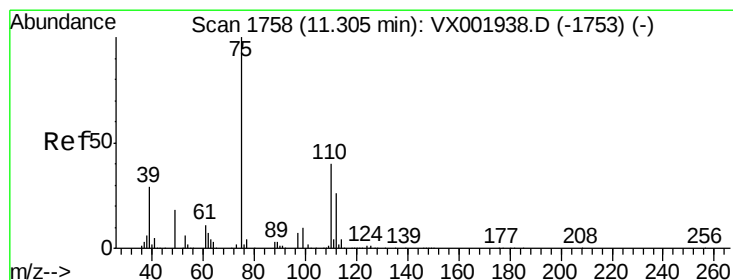
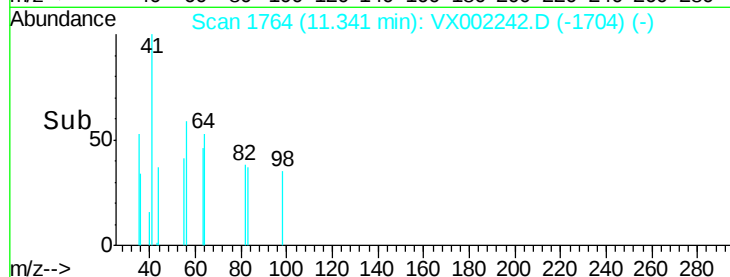
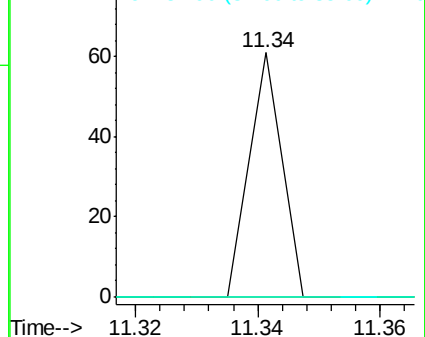
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002242.D

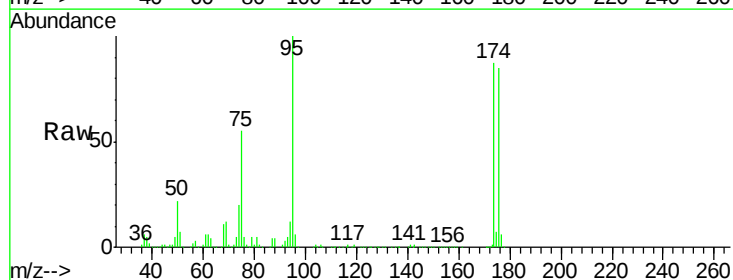
Acq: 02 Jun 2018 16:30

Tgt Ion: 75 Resp: 116917

Ion Ratio Lower Upper

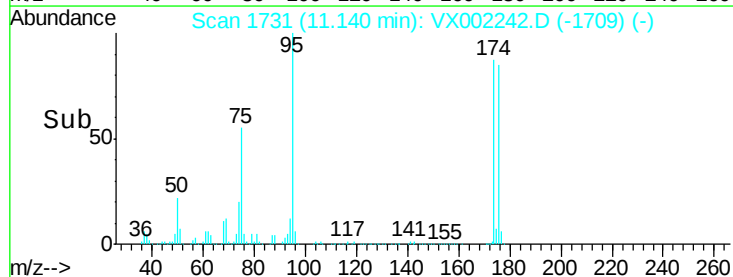
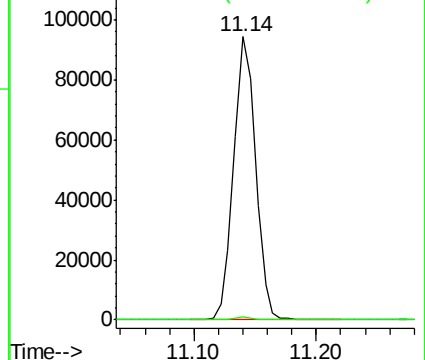
75 100

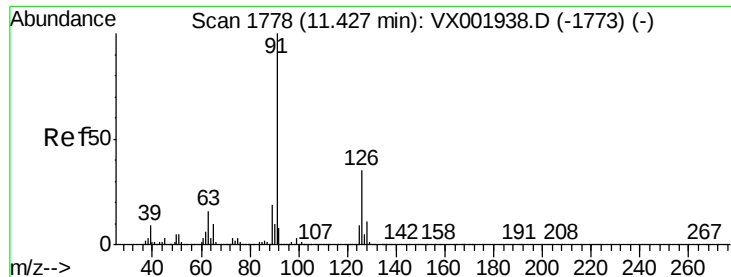
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

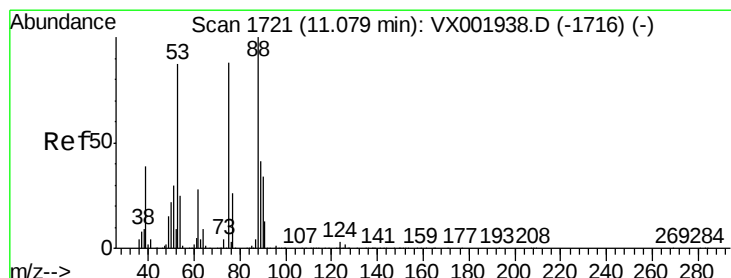
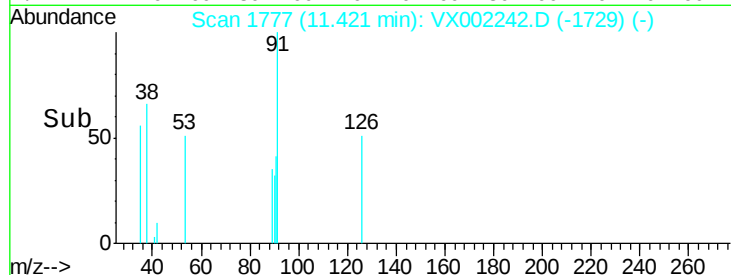
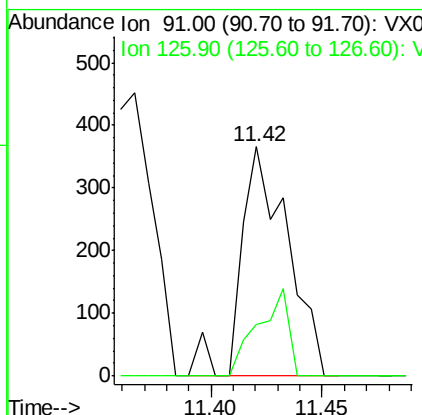
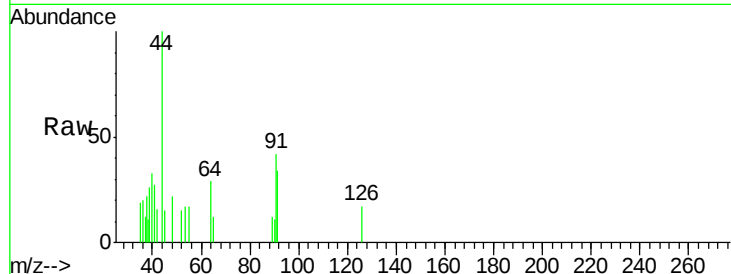




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 91 Resp: 531
 Ion Ratio Lower Upper
 91 100
 126 25.4 17.4 52.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002242.D
 Acq: 02 Jun 2018 16:30

Tgt Ion: 75 Resp: 116917
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 39.4 59.2#

