

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002199.D
 Acq On : 01 Jun 2018 04:03
 Operator : JC/MD
 Sample : VX0531WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 01 04:55:31 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	238145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171488	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	203658	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	5.51	113	148777	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	
50) Toluene-d8	8.72	98	590548	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	208306	43.11	ug/l	0.00
Spiked Amount			Recovery	=	86.22%	

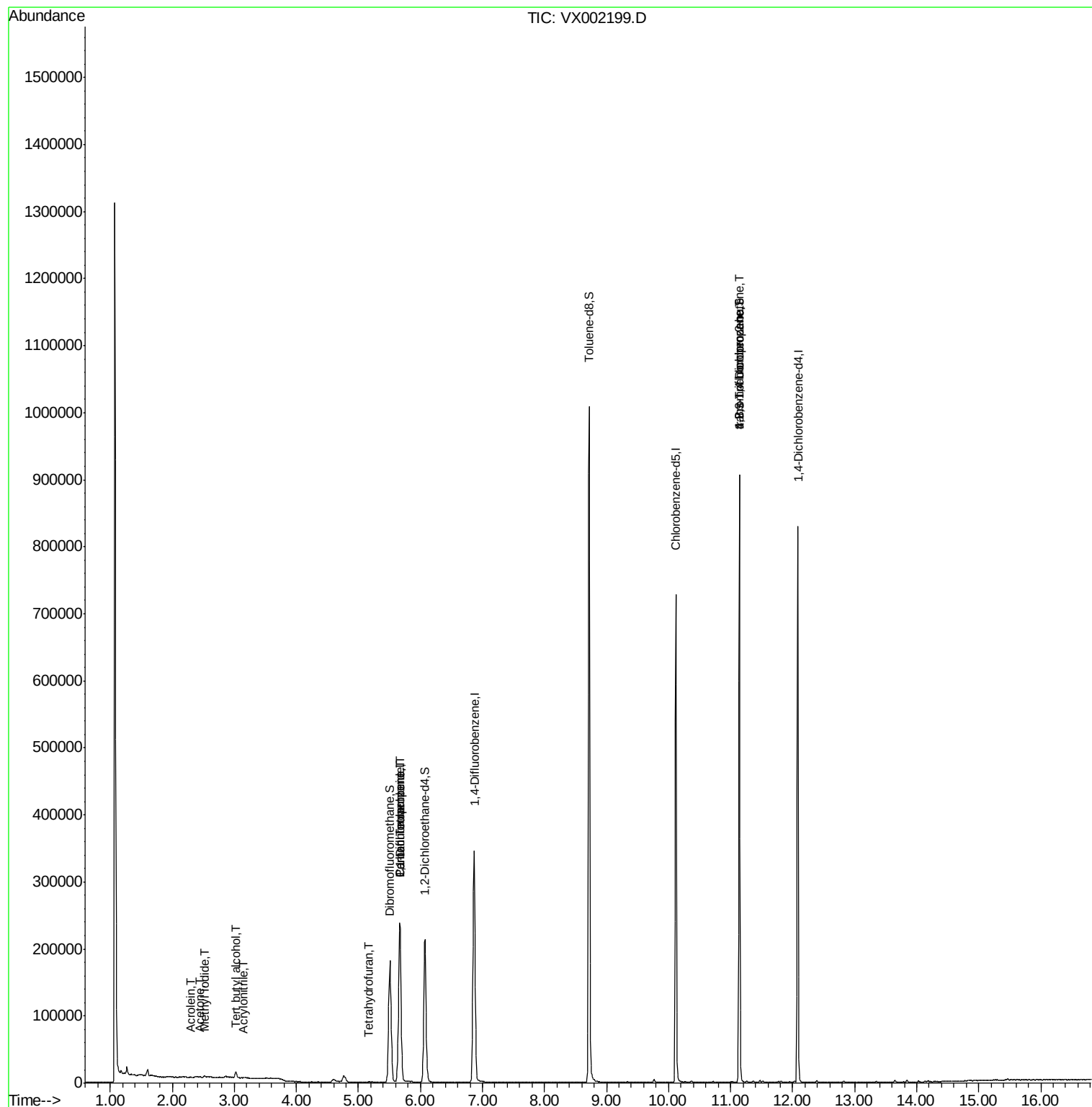
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	40	Below Cal	#	41
5) Bromomethane	1.65	94	1353	Below Cal	#	70
10) Methyl Iodide	2.52	142	2482	0.62	ug/l	88
11) Tert butyl alcohol	3.03	59	5205	6.23	ug/l	90
13) Acrolein	2.29	56	140	0.39	ug/l	84
15) Acrylonitrile	3.14	53	533	0.31	ug/l	46
16) Acetone	2.45	43	1066	0.65	ug/l	91
18) Methyl Acetate	2.79	43	500	Below Cal		97
20) Methylene Chloride	2.86	84	815	Below Cal		86
21) trans-1,2-Dichloroethene	3.17	96	294	Below Cal	#	45
28) Bromochloromethane	5.01	49	48	Below Cal	#	14
29) Tetrahydrofuran	5.17	42	1086	0.55	ug/l	73
36) 1,1-Dichloropropene	5.67	75	17200	3.62	ug/l	52
38) Carbon Tetrachloride	5.67	117	22085	3.99	ug/l	15
41) Methacrylonitrile	5.05	41	115	Below Cal	#	11
74) N-amyl acetate	6.48	43	76	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.26	83	21	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	113463	27.55	ug/l	32
79) 2-Chlorotoluene	11.52	91	766	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	113463	66.20	ug/l	10

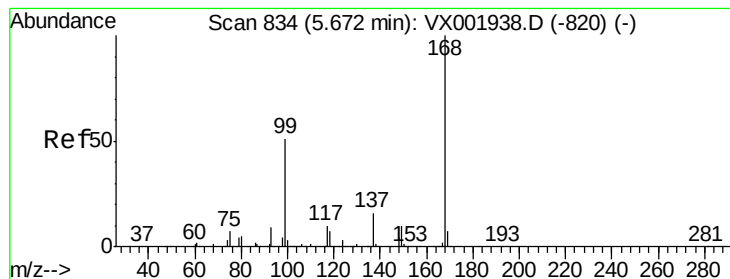
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

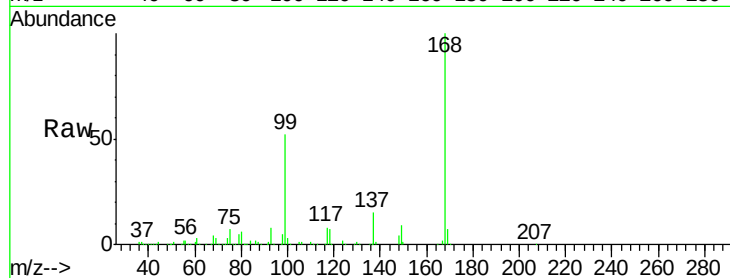
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 238145

Ion Ratio Lower Upper

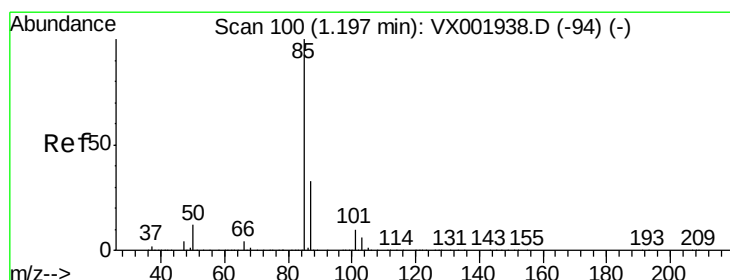
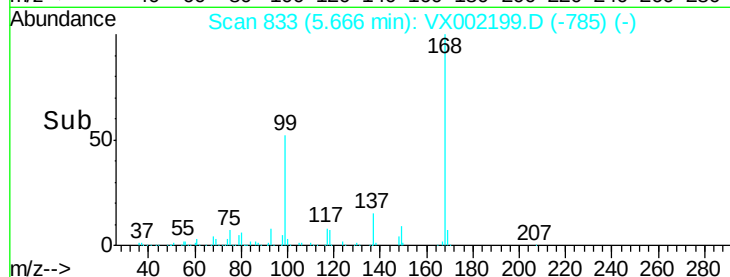
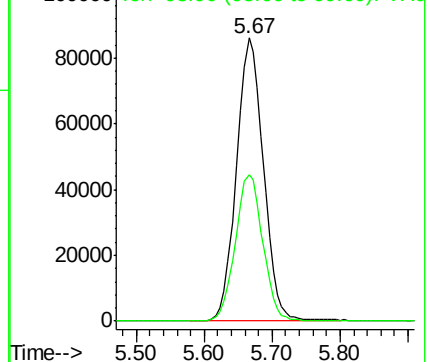
168 100

99 51.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002199.D

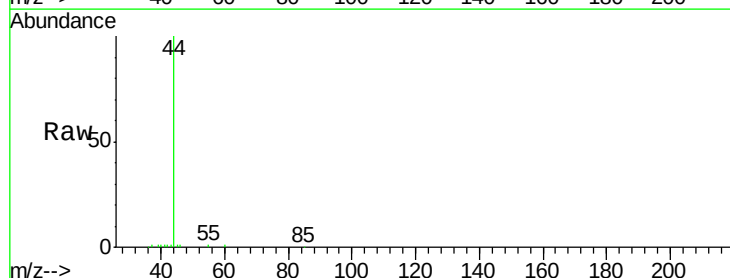
Acq: 01 Jun 2018 04:03

Tgt Ion: 85 Resp: 40

Ion Ratio Lower Upper

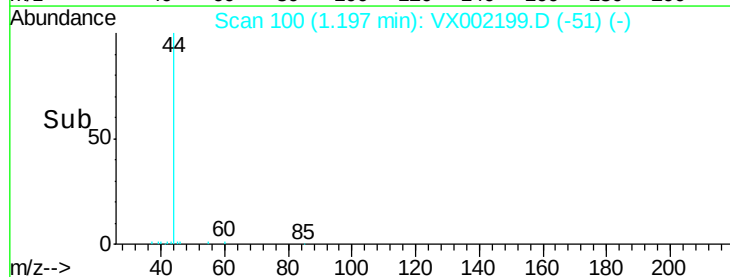
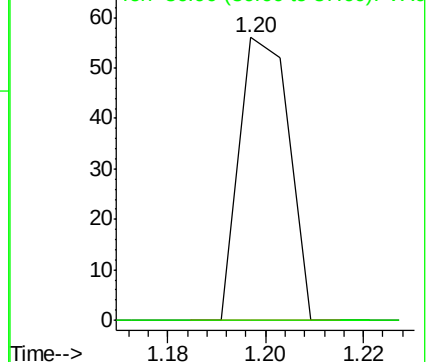
85 100

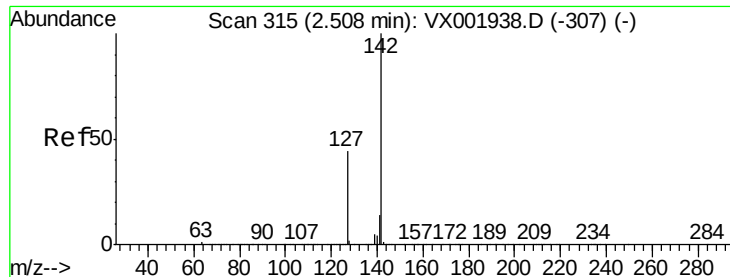
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

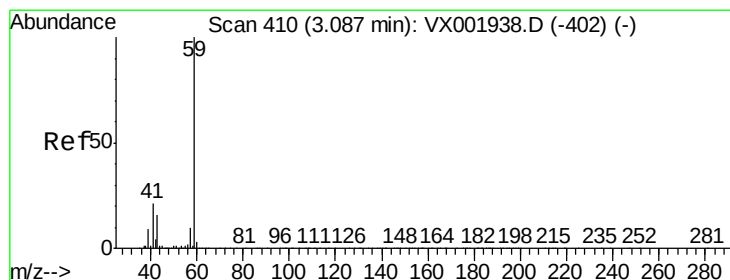
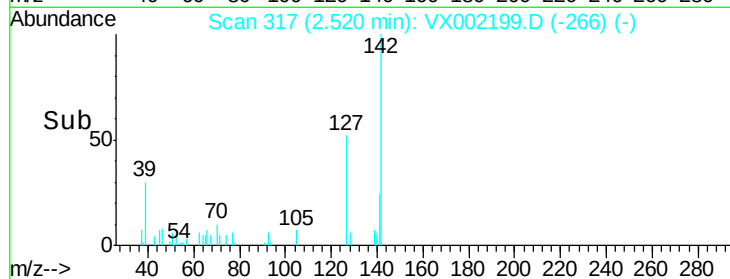
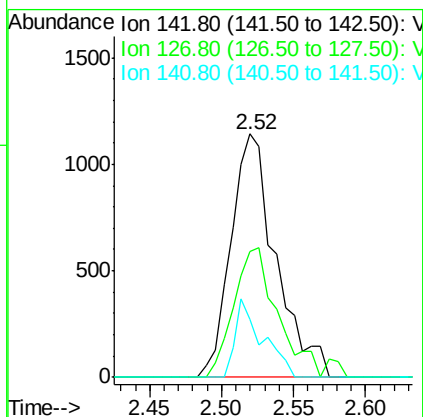
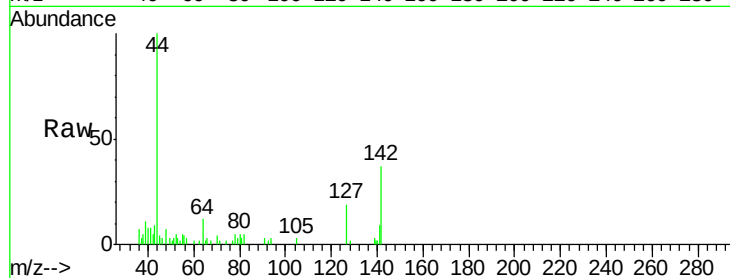




#10
Methvl Iodide
Concen: 0.62 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

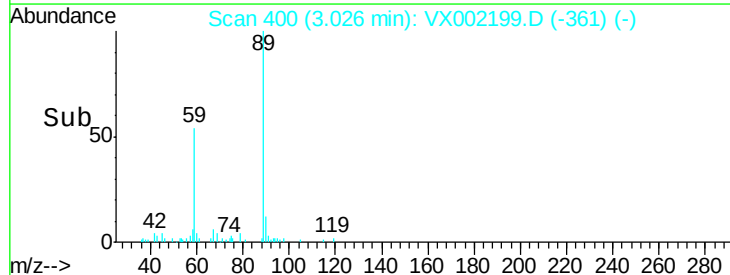
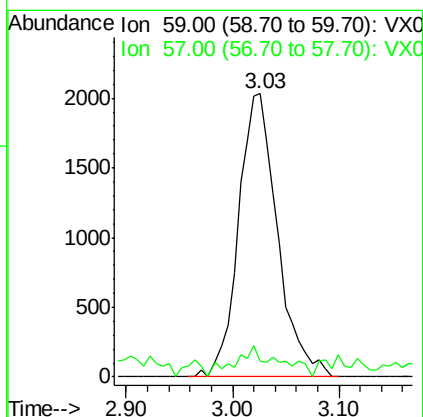
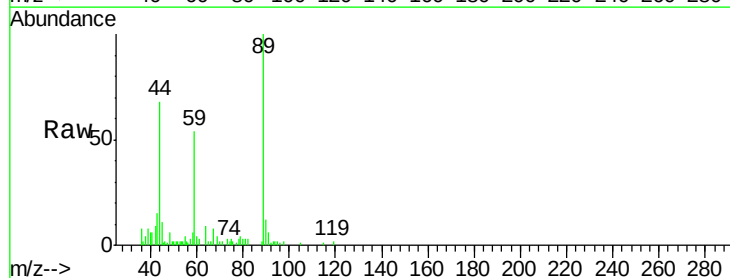
Instrument :
MSVOA_X
ClientSampled :

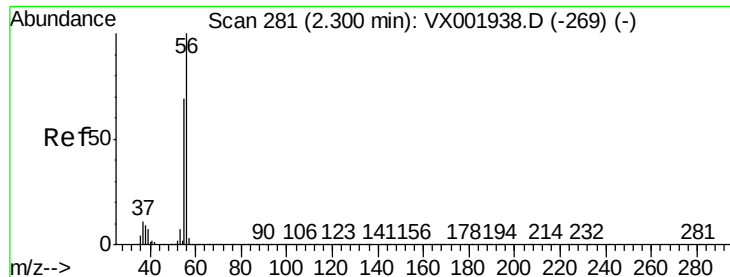
Tot Ion:142 Resp: 2482
Ion Ratio Lower Upper
142 100
127 51.8 35.5 53.3
141 19.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 6.23 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

Tgt Ion: 59 Resp: 5205
Ion Ratio Lower Upper
59 100
57 7.5 8.9 13.3#





#13

Acrolein

Concen: 0.39 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

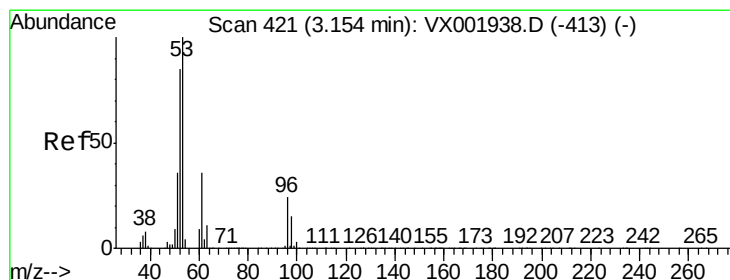
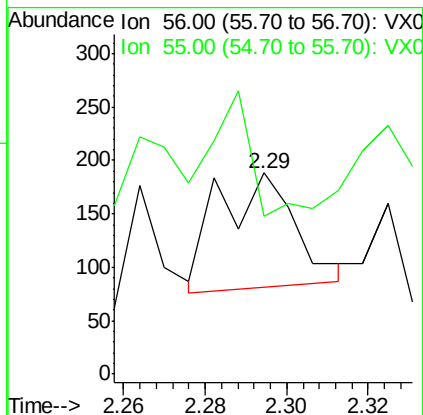
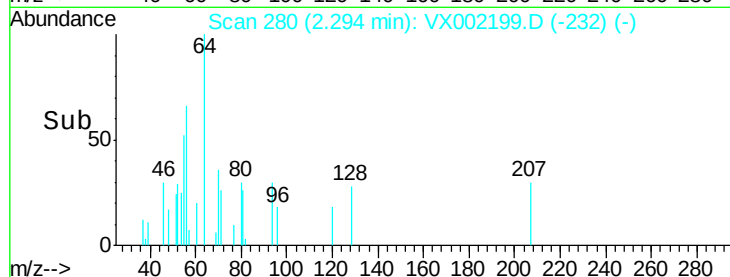
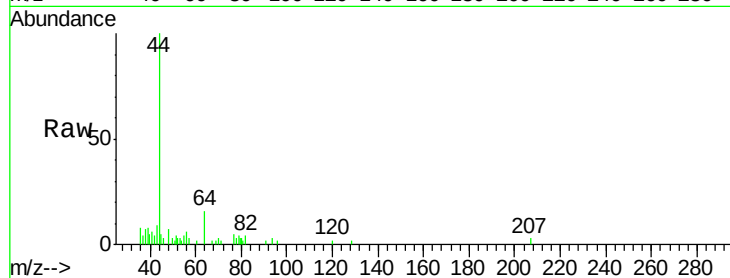
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 140

Ion Ratio Lower Upper

56 100

55 57.9 56.8 85.2



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

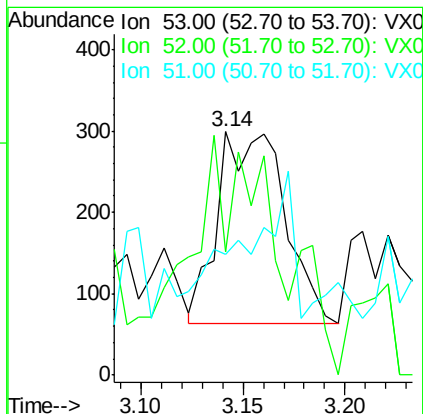
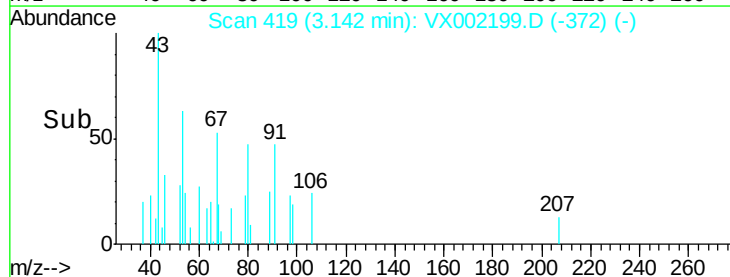
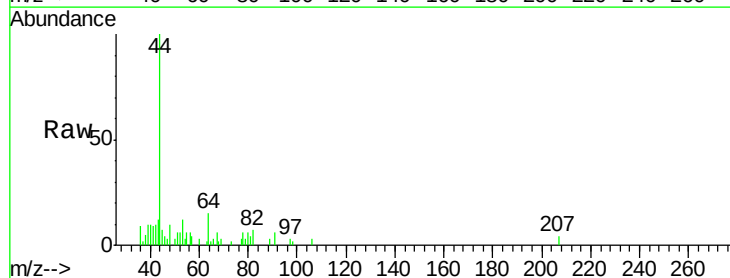
Tgt Ion: 53 Resp: 533

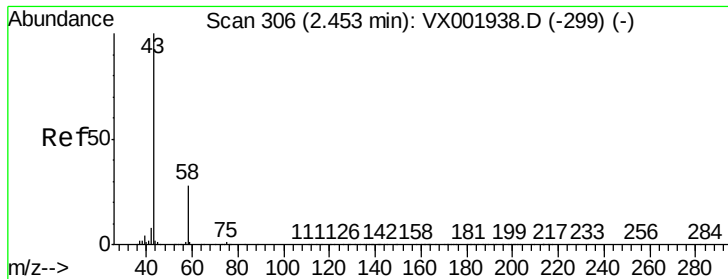
Ion Ratio Lower Upper

53 100

52 38.1 66.4 99.6#

51 0.0 29.3 43.9#

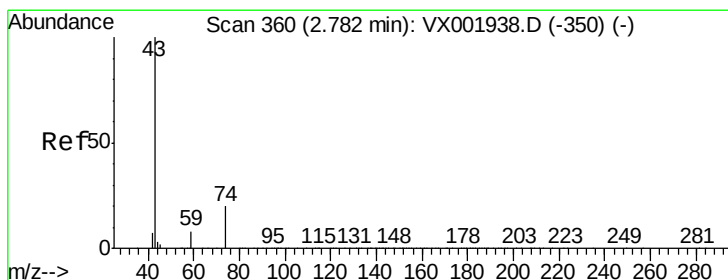
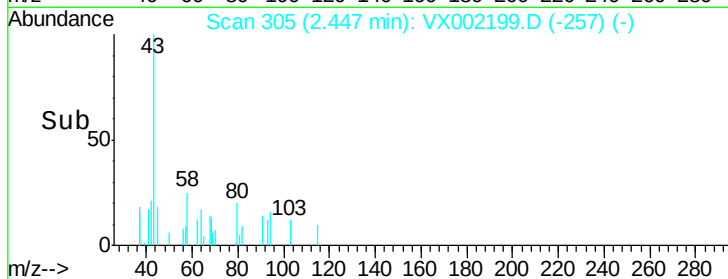
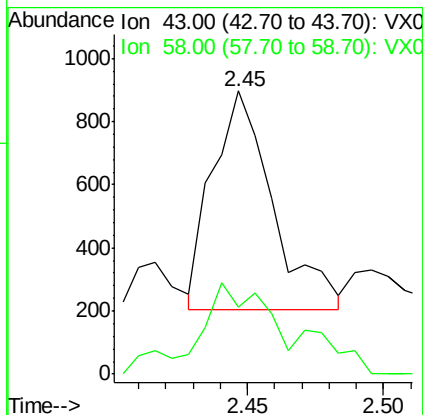
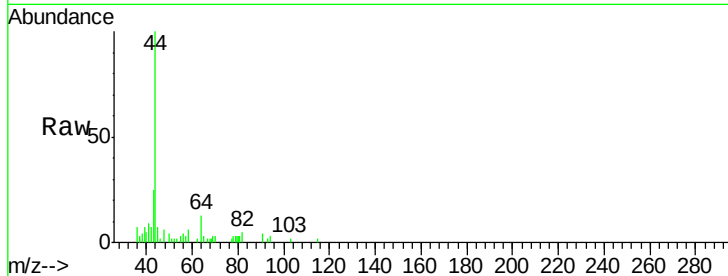




#16
Acetone
Concen: 0.65 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

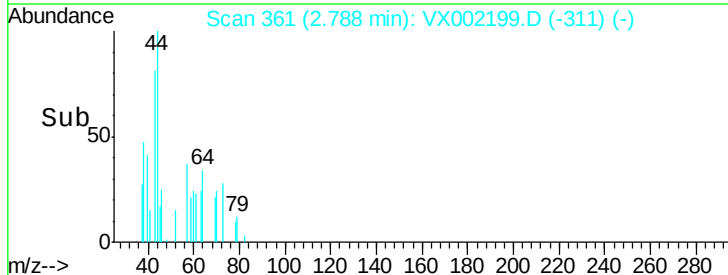
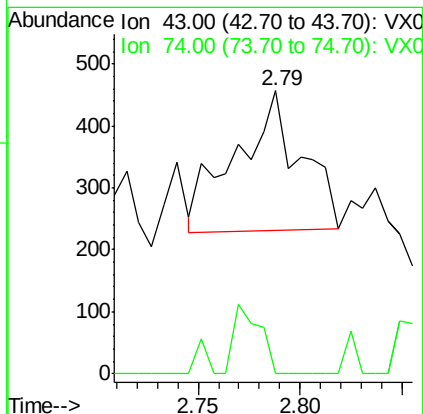
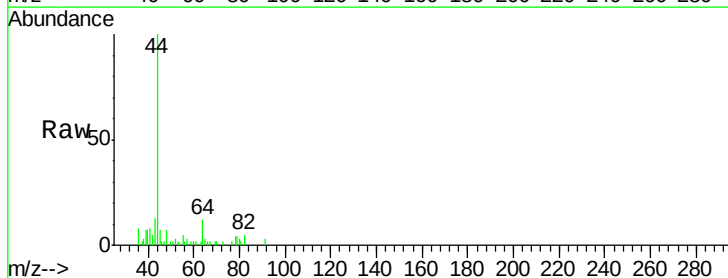
Instrument :
MSVOA_X
ClientSampleId :

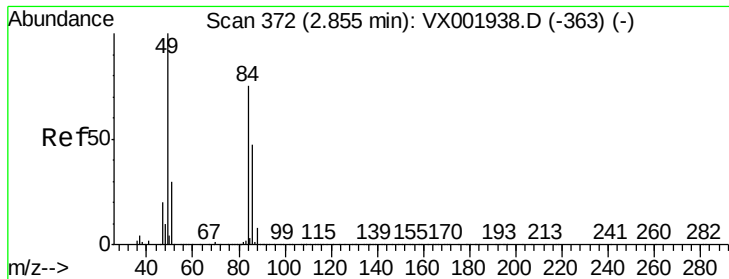
Tot Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
58 23.1 22.3 33.5



#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
74 19.6 16.8 25.2



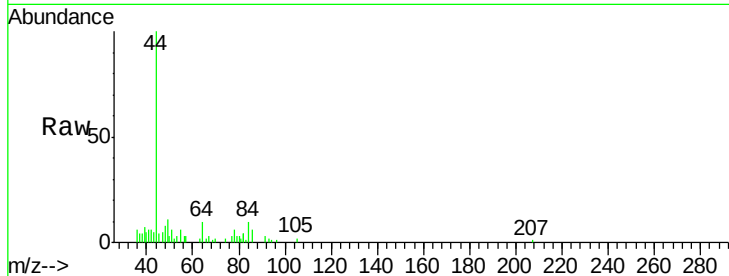


#20

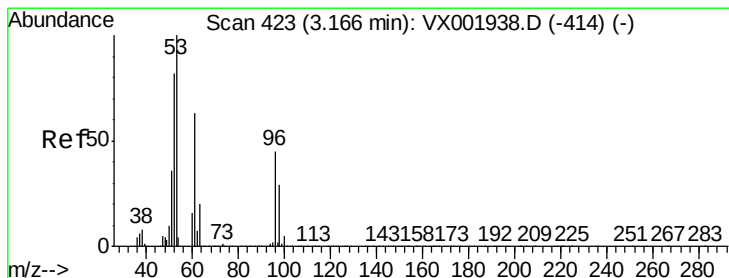
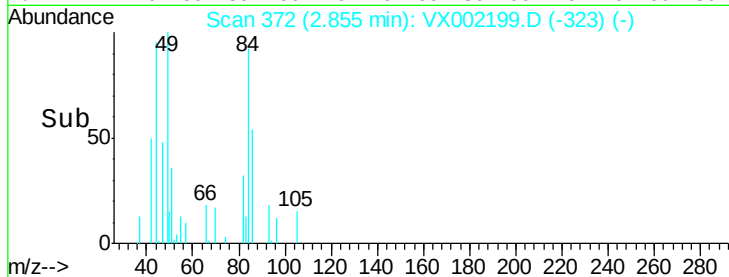
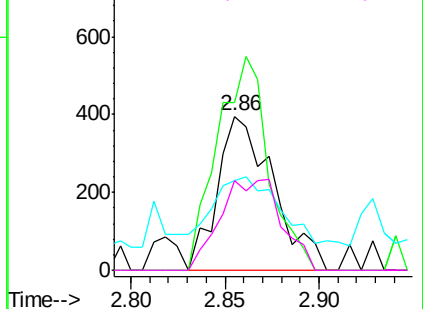
Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX002199.D
 Acq: 01 Jun 2018 04:03

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	84	Resp:	815
Ion	Ratio	Lower	Upper
84	100		
49	109.1	107.2	160.8
51	39.2	32.4	48.6
86	58.7	50.4	75.6



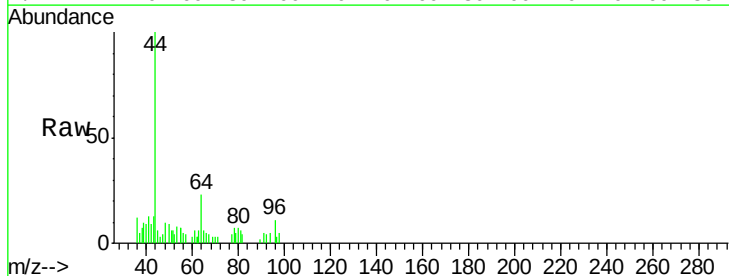
Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0



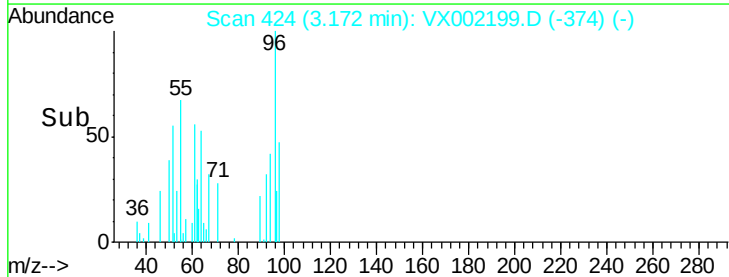
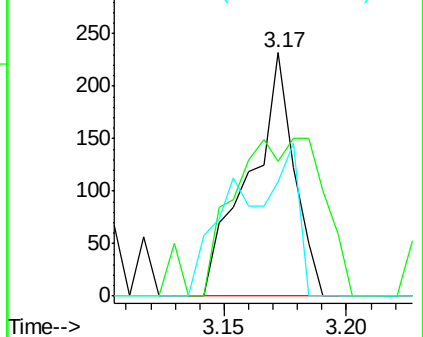
#21

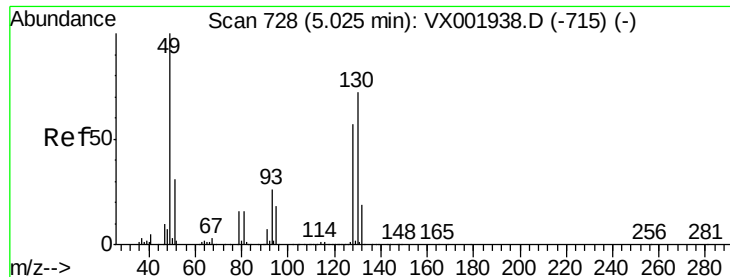
trans-1,2-Dichloroethene
 Concen: Below Cal
 RT: 3.17 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX002199.D
 Acq: 01 Jun 2018 04:03

Tgt Ion:	96	Resp:	294
Ion	Ratio	Lower	Upper
96	100		
61	55.6	113.3	169.9#
98	47.0	51.7	77.5#



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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 726

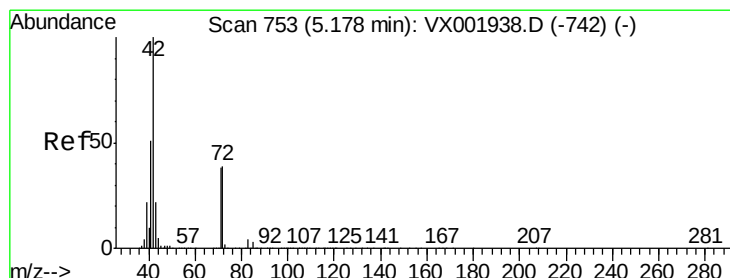
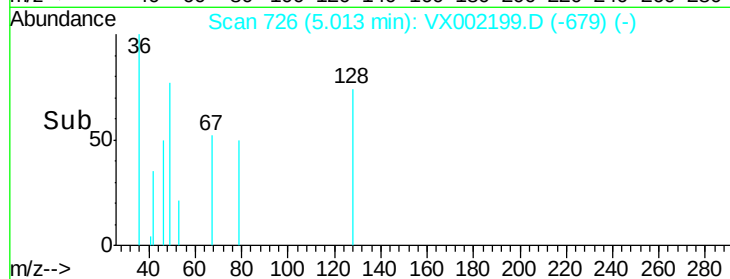
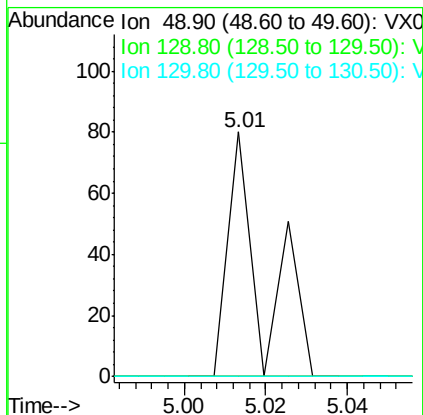
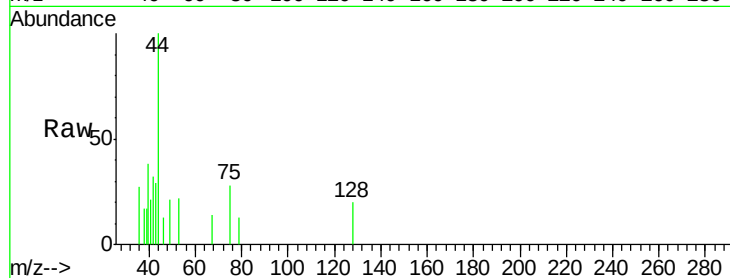
Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



#29

Tetrahydrofuran

Concen: 0.55 ug/l

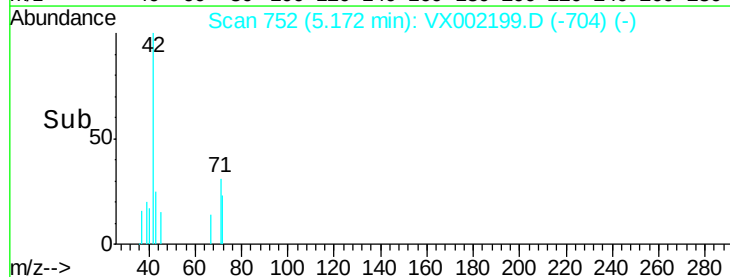
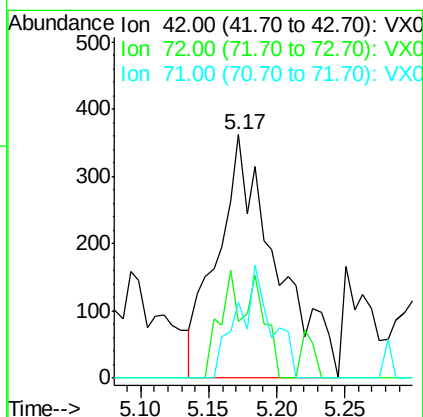
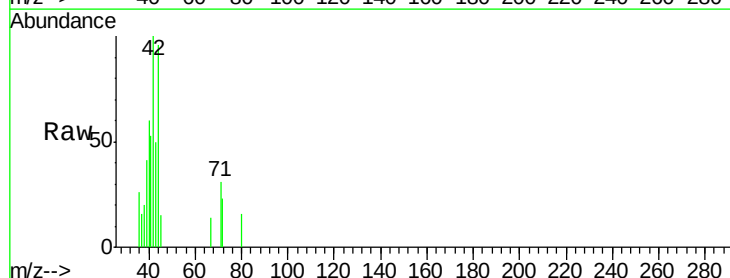
RT: 5.17 min Scan# 752

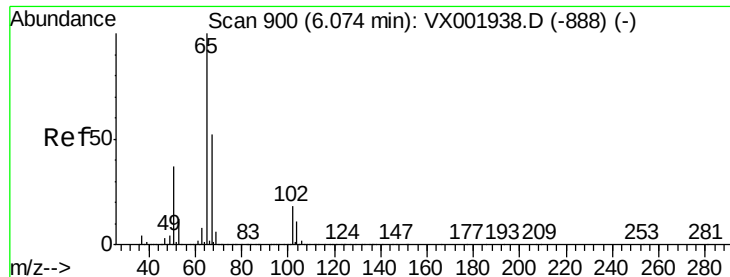
Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	17.1	31.4	47.0#
71	26.6	29.5	44.3#

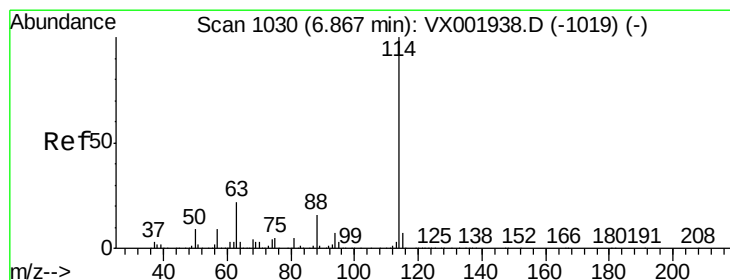
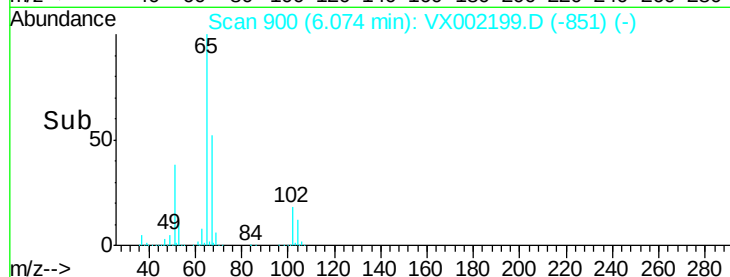
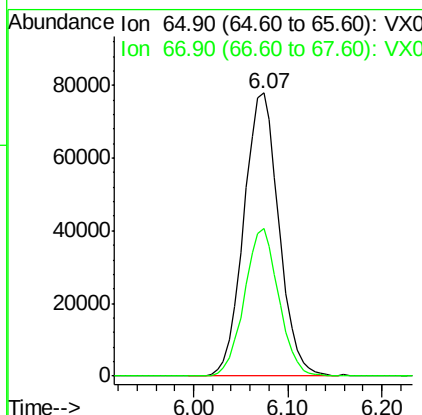
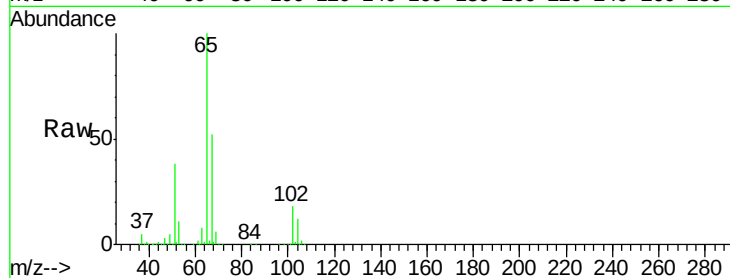




#33
 1,2-Dichloroethane-d4
 Concen: 47.84 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002199.D
 Acq: 01 Jun 2018 04:03

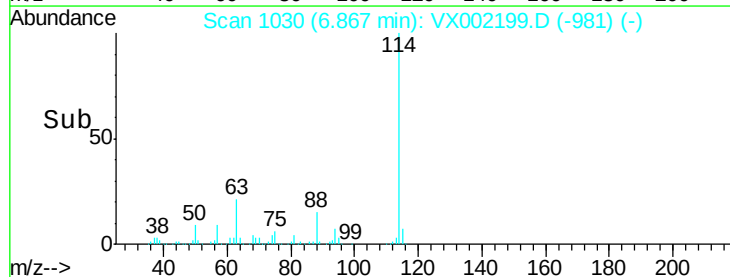
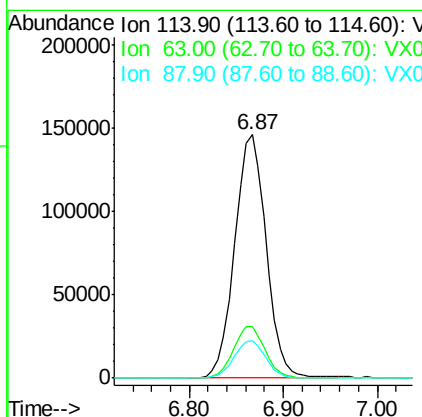
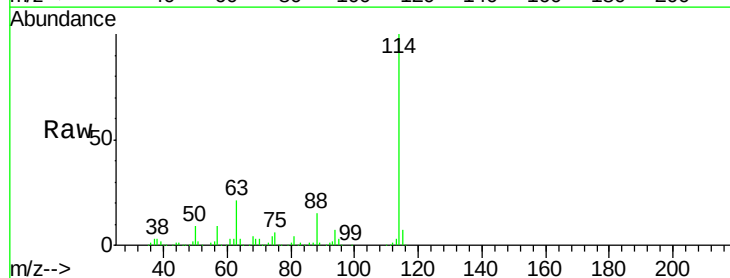
Instrument :
 MSVOA_X
 ClientSampleId :

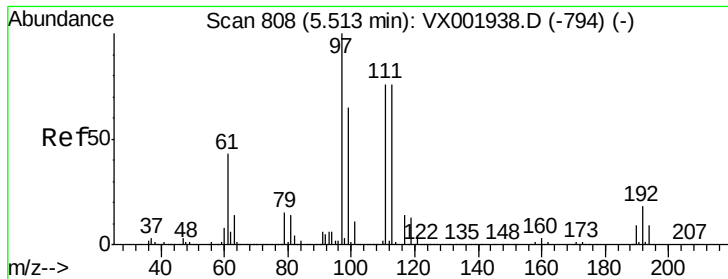
Tot Ion: 65 Resp: 203658
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002199.D
 Acq: 01 Jun 2018 04:03

Tgt Ion: 114 Resp: 341153
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 43.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

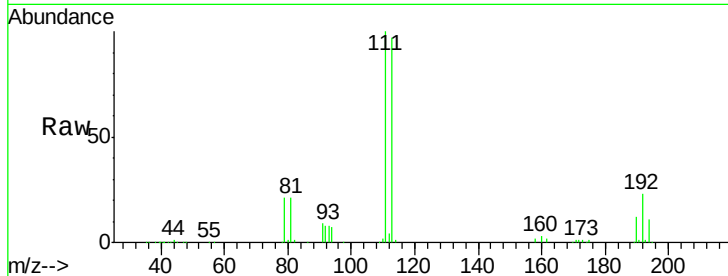
Tot Ion:113 Resp: 148777

Ion Ratio Lower Upper

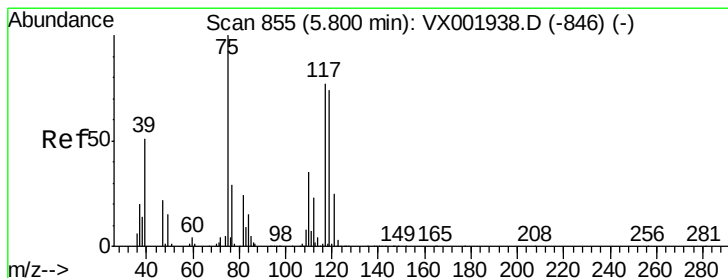
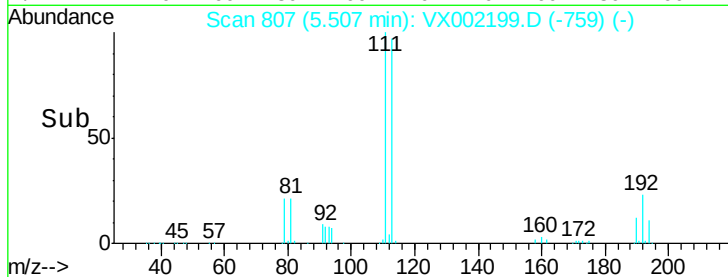
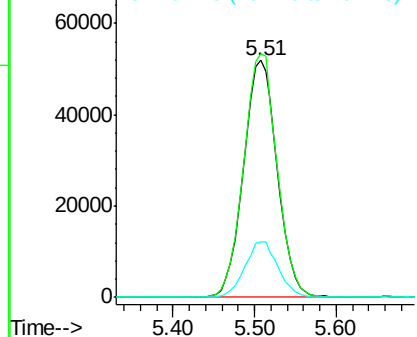
113 100

111 102.1 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: 3.62 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

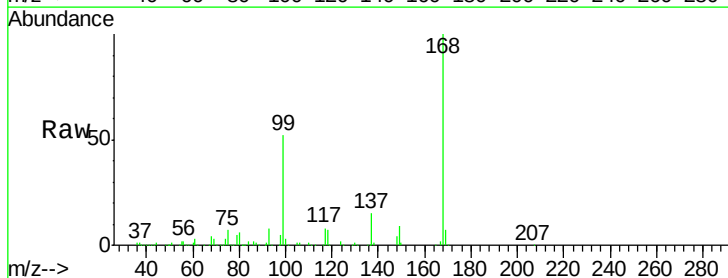
Tgt Ion: 75 Resp: 17200

Ion Ratio Lower Upper

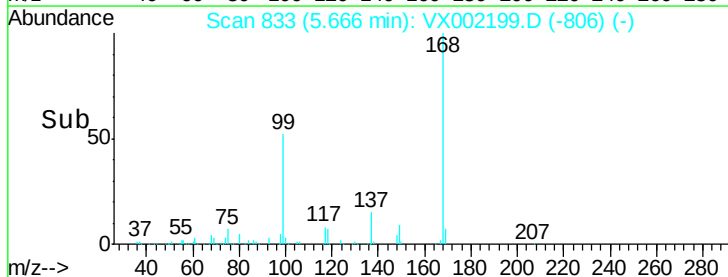
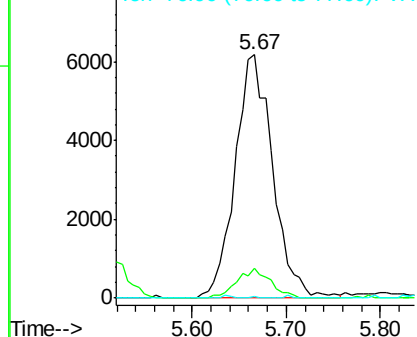
75 100

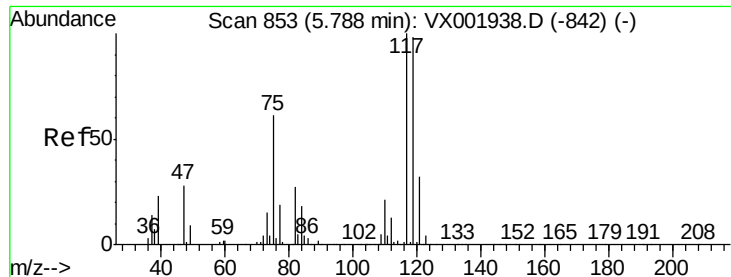
110 10.9 17.4 52.2#

77 0.1 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: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

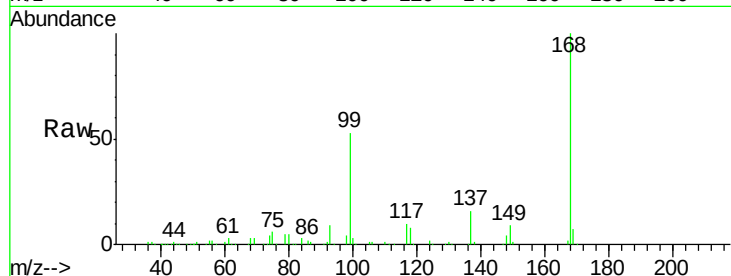
Tot Ion:117 Resp: 22085

Ion Ratio Lower Upper

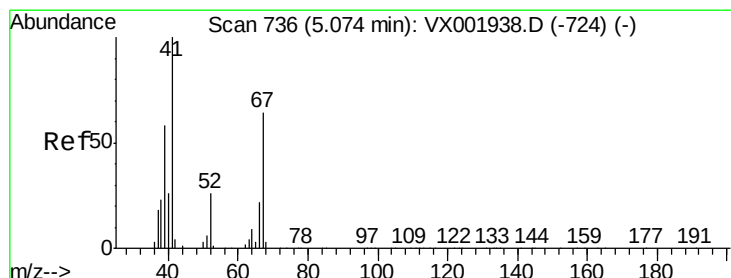
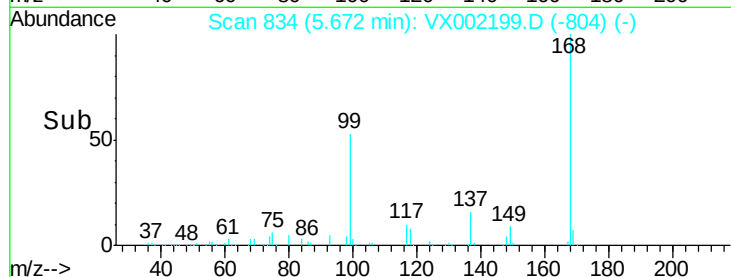
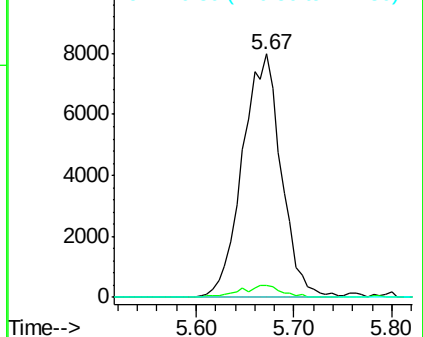
117 100

119 4.9 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: 5.05 min Scan# 732

Delta R.T. -0.02 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Tgt Ion: 41 Resp: 115

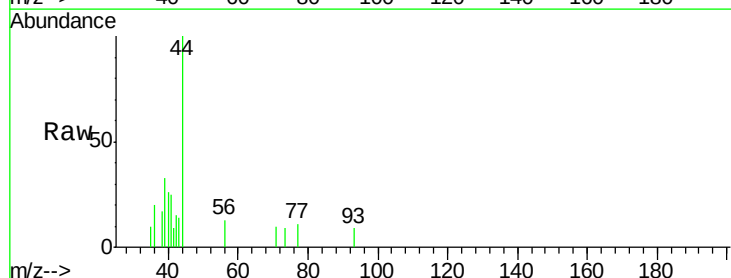
Ion Ratio Lower Upper

41 100

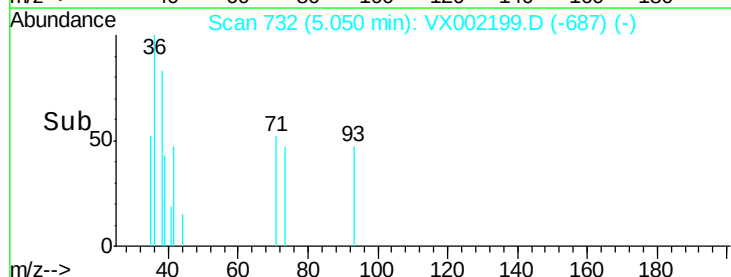
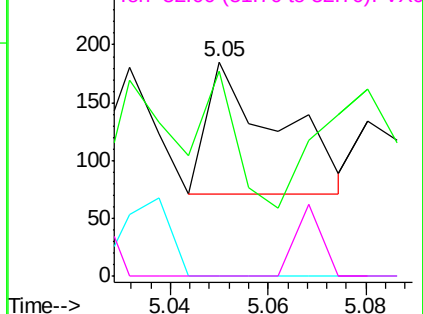
39 142.6 46.0 69.0#

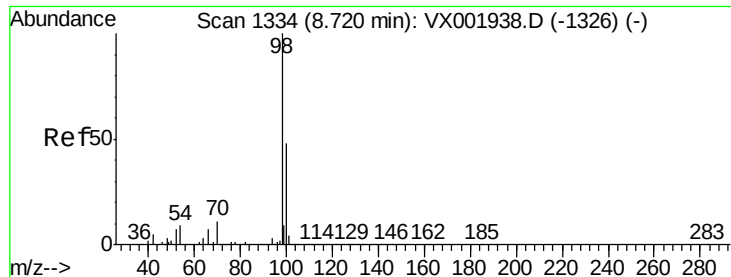
67 0.0 50.6 75.8#

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

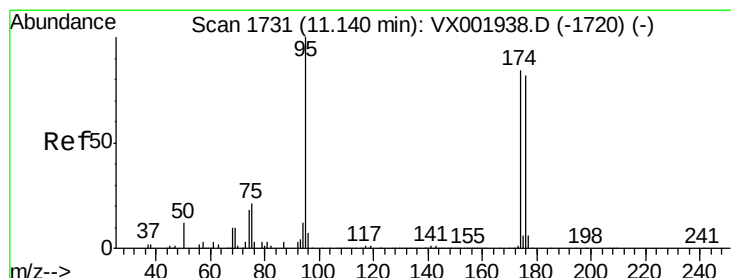
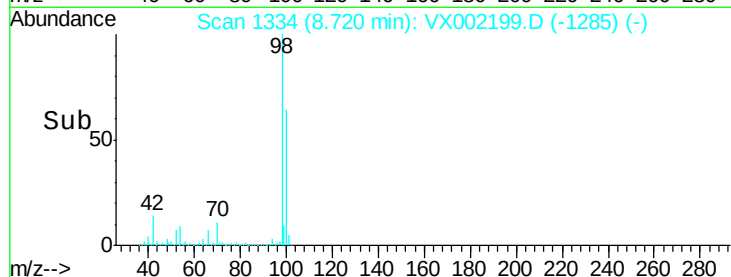
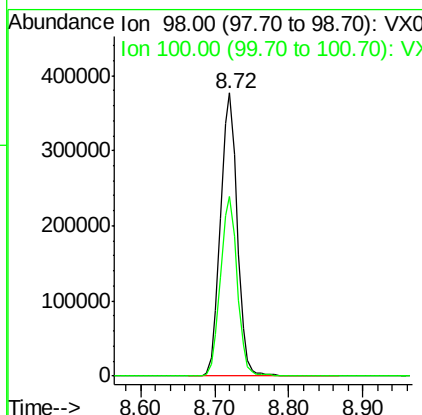
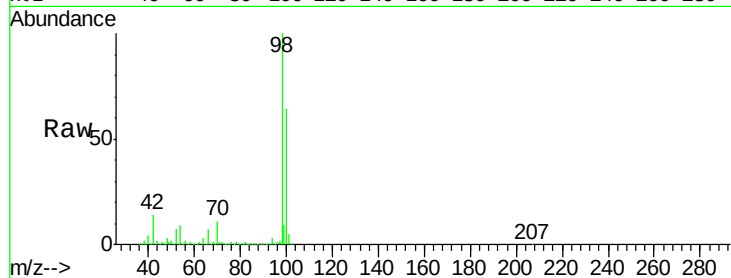




#50
Toluene-d8
Concen: 47.81 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

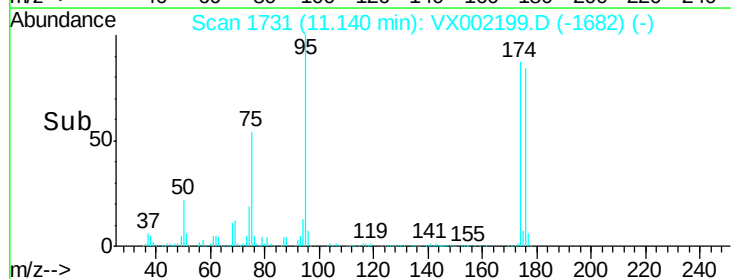
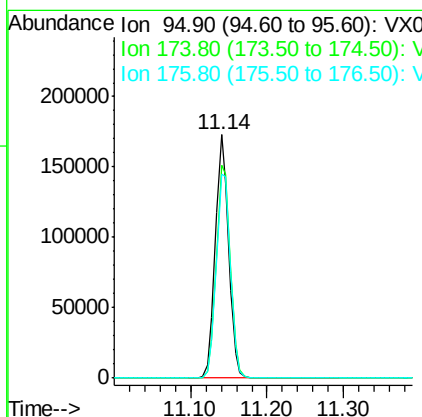
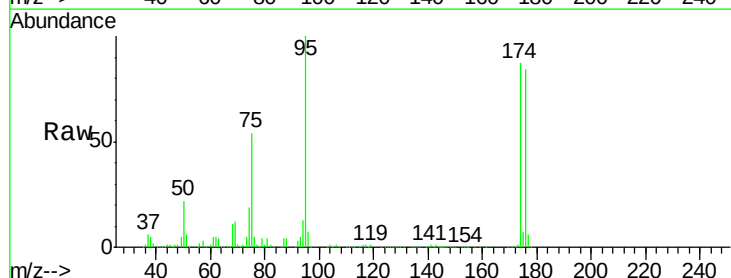
Instrument :
MSVOA_X
ClientSampleId :

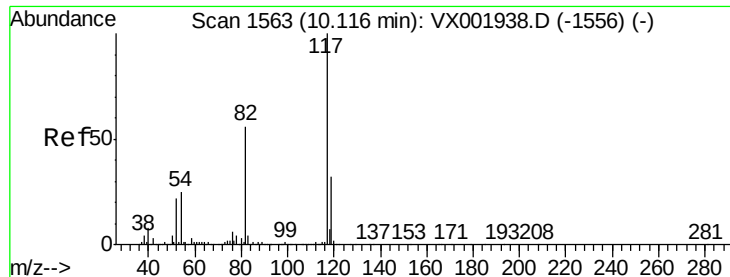
Tot Ion: 98 Resp: 590548
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 43.11 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

Tgt Ion: 95 Resp: 208306
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.8
176 89.7 0.0 175.6

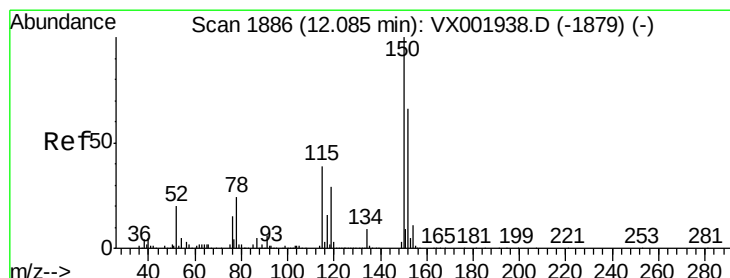
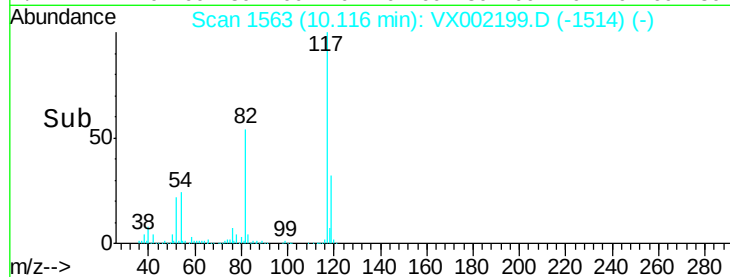
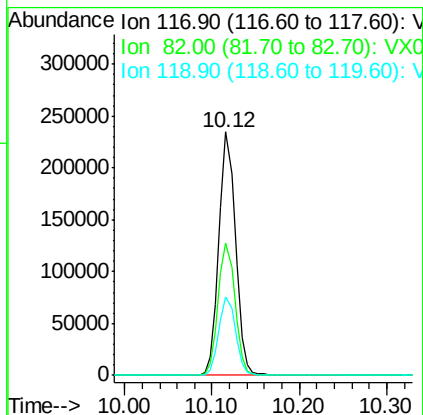
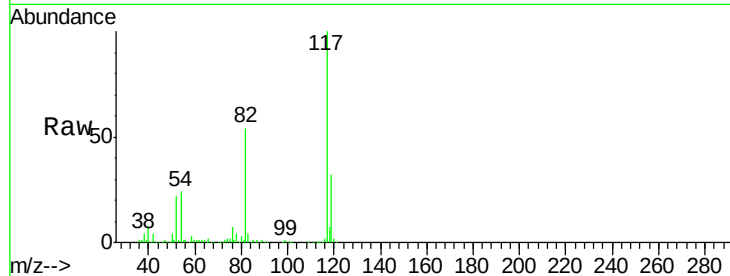




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

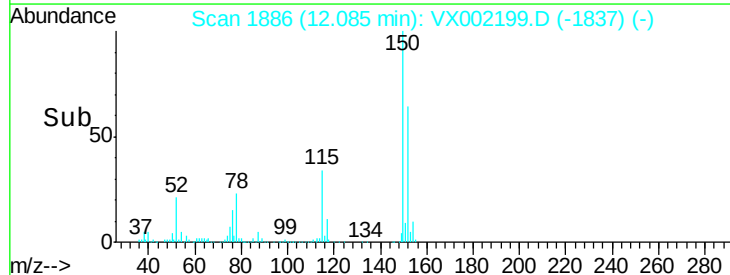
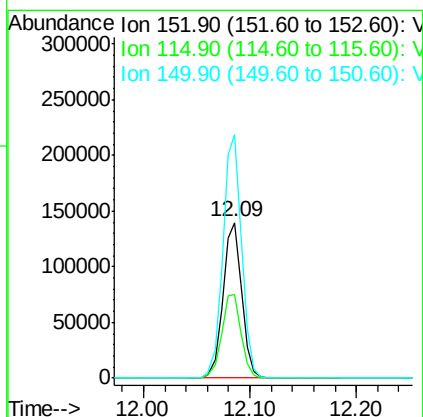
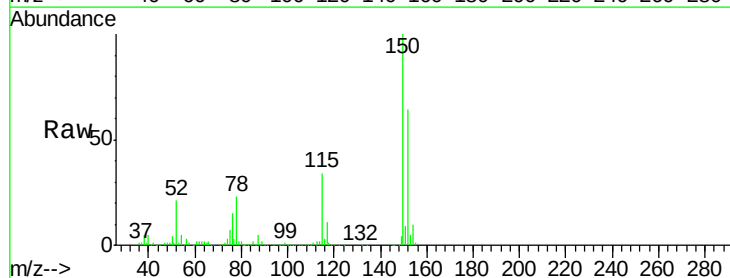
Instrument :
MSVOA_X
ClientSampleId :

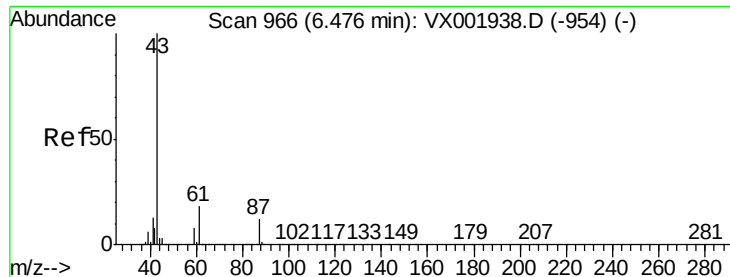
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.8	67.2
119	32.0	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002199.D
Acq: 01 Jun 2018 04:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	42.3	126.8
150	156.4	0.0	351.0





#74

N-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 76

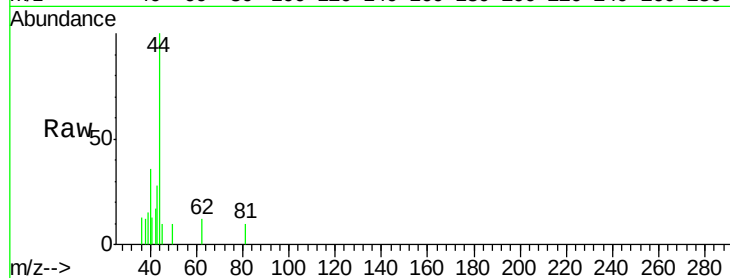
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 103.9 0.1 0.1#

61 0.0 14.5 21.7#

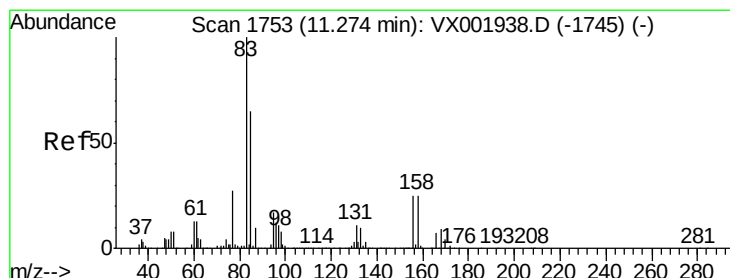
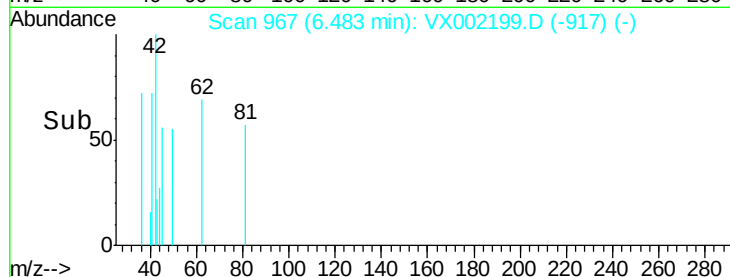
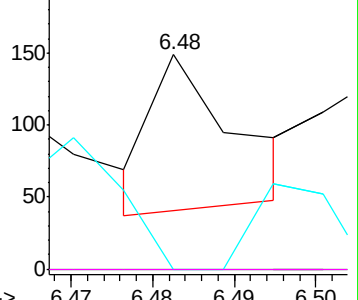


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

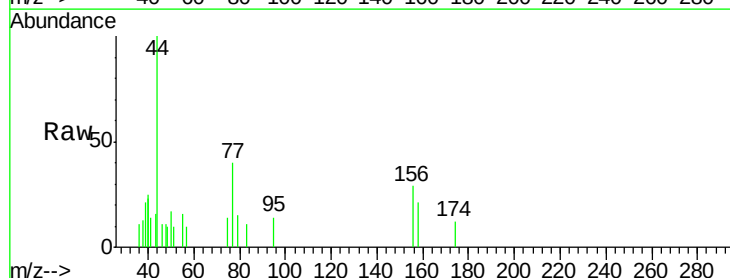
Tgt Ion: 83 Resp: 21

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

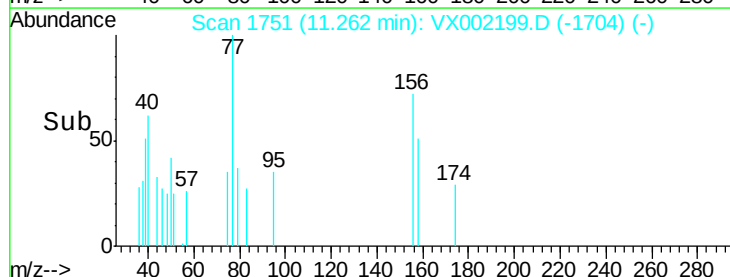
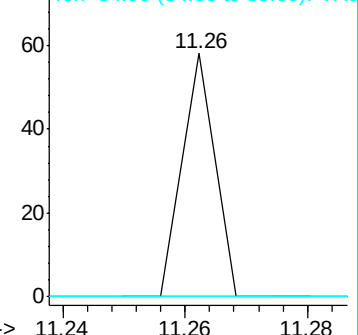
85 0.0 32.6 97.7#

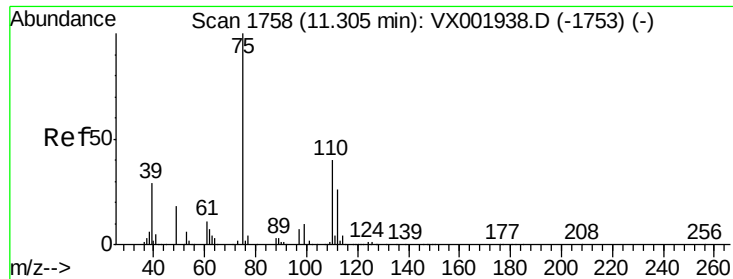


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 27.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :

MSVOA_X

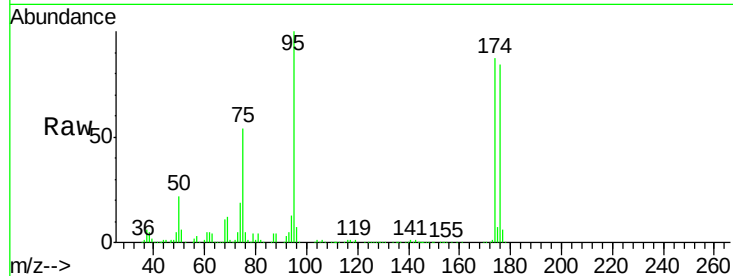
ClientSampleId :

Tot Ion: 75 Resp: 113463

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

11.14

100000

80000

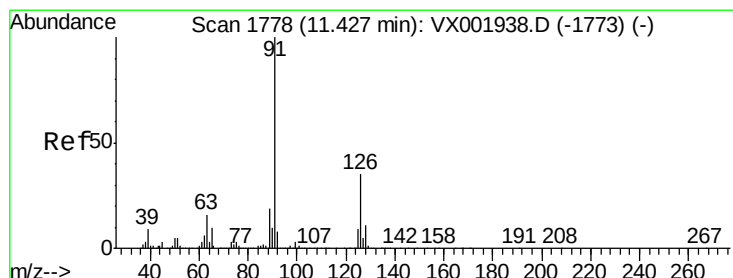
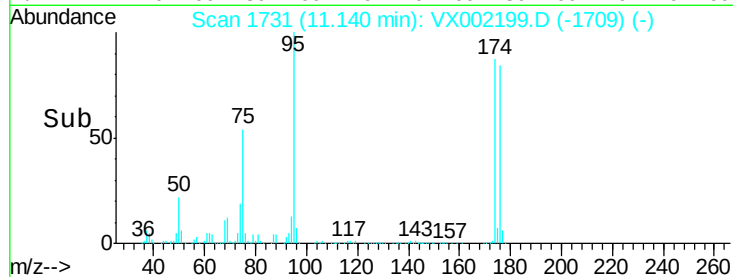
60000

40000

20000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX002199.D

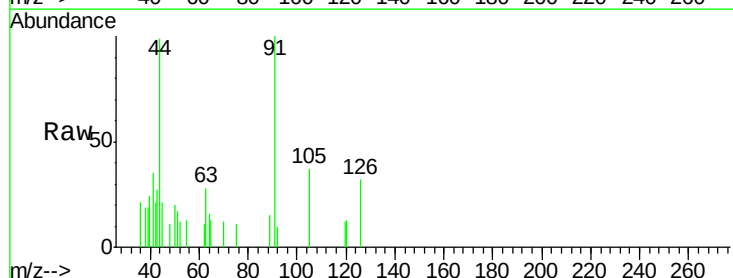
Acq: 01 Jun 2018 04:03

Tgt Ion: 91 Resp: 766

Ion Ratio Lower Upper

91 100

126 27.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.52

600

500

400

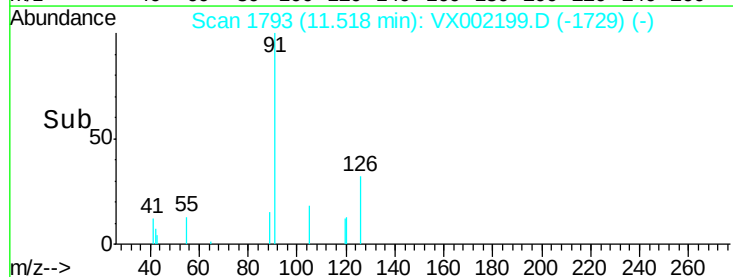
300

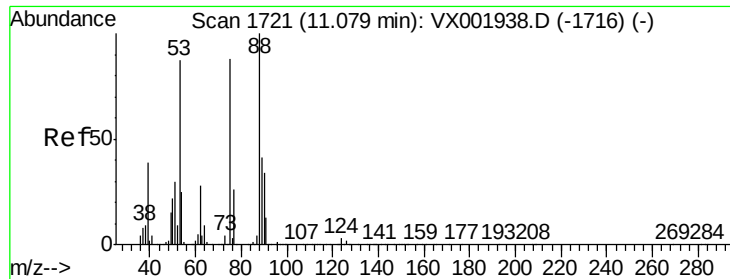
200

100

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 66.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002199.D

Acq: 01 Jun 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 113463

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

