

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008941.D
 Acq On : 13 Apr 2019 18:52
 Operator : JC/SP
 Sample : K2385-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:16:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126373	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	
35) Dibromofluoromethane	5.49	113	92788	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	8.71	98	388758	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	129644	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	

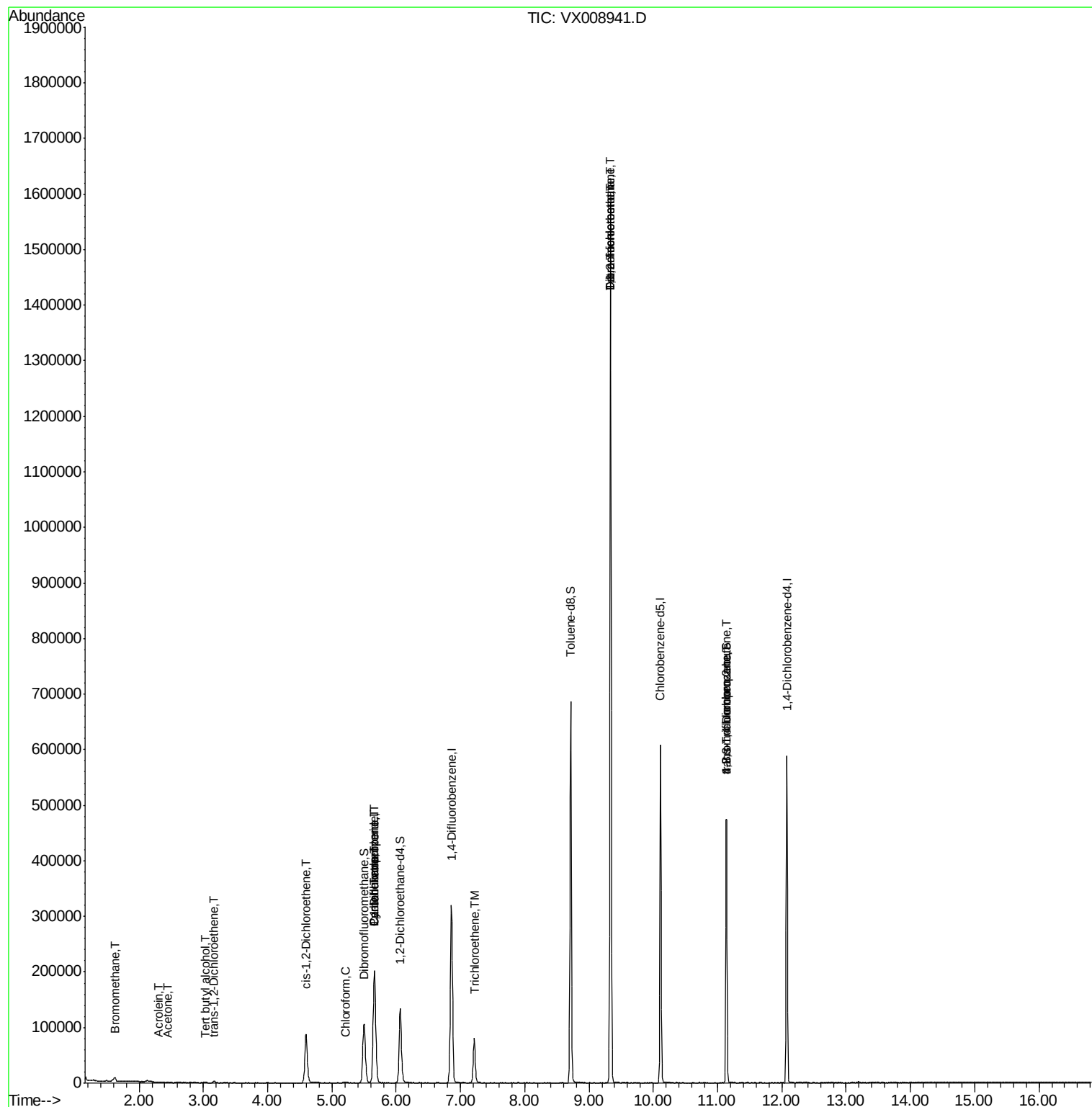
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	217	Below Cal	#	85
5) Bromomethane	1.64	94	115	1.959	ug/l #	76
6) Chloroethane	1.73	64	20	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	520	0.776	ug/l #	72
13) Acrolein	2.30	56	173	0.521	ug/l #	75
16) Acetone	2.44	43	1413	0.858	ug/l	98
17) Carbon Disulfide	2.57	76	381	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.17	96	1004	0.409	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	54705	19.401	ug/l	88
28) Bromochloromethane	5.20	49	21	Below Cal	#	22
30) Chloroform	5.21	83	1772	0.401	ug/l	96
31) Cyclohexane	5.67	56	4433	0.897	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15185	4.457	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18617	6.603	ug/l #	17
44) Trichloroethene	7.21	130	31219	13.207	ug/l	95
55) 1,1,2-Trichloroethane	9.34	97	2451	1.020	ug/l #	1
60) Dibromochloromethane	9.34	129	284328	125.627	ug/l #	11
64) Tetrachloroethene	9.34	164	306739	152.642	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	67000	20.699	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67000	57.057	ug/l #	9

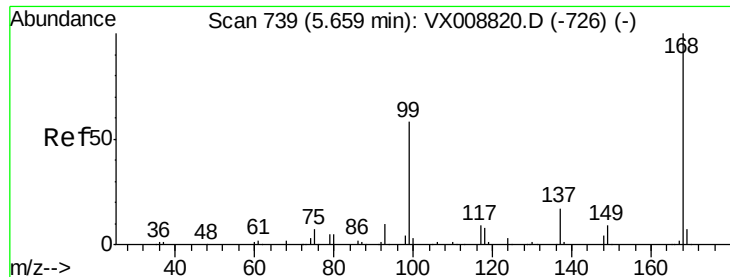
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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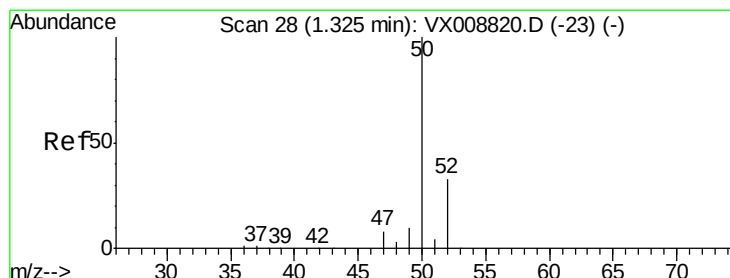
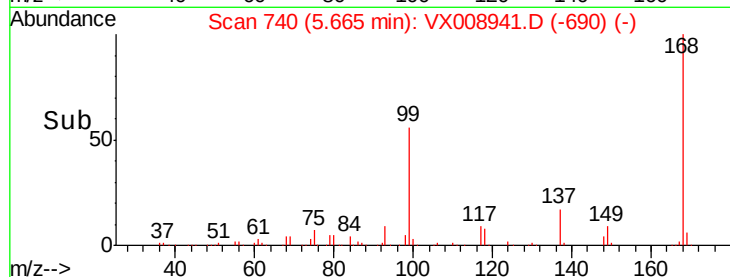
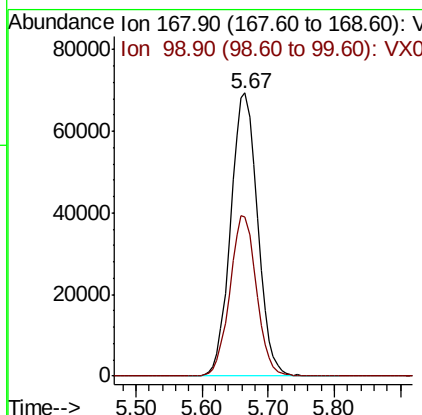
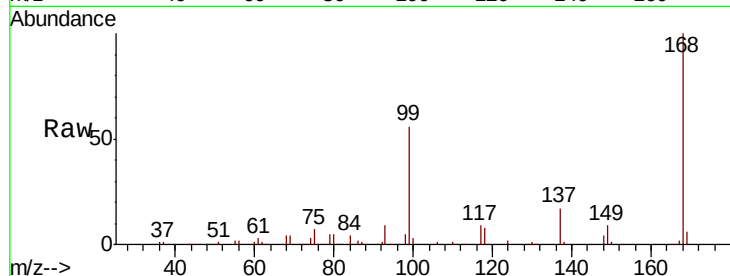




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

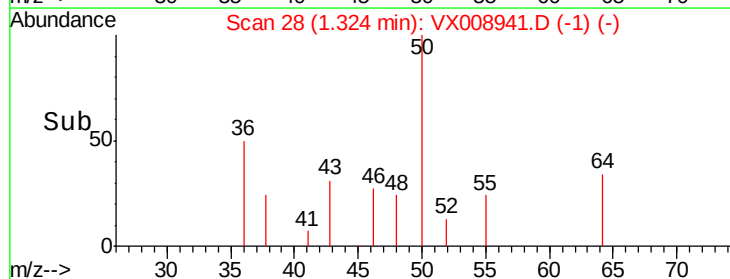
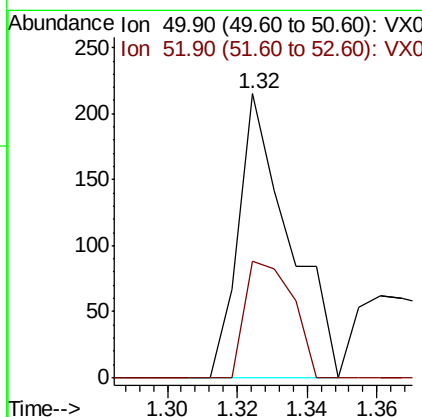
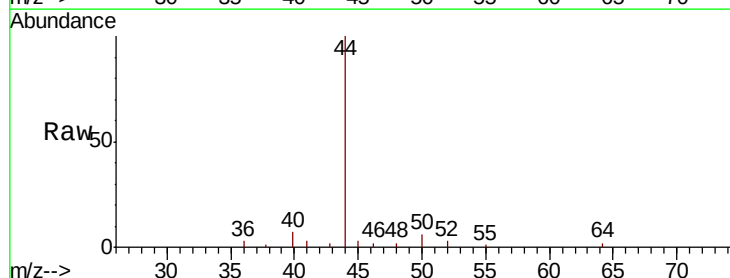
Instrument :
MSVOA_X
ClientSampleId :

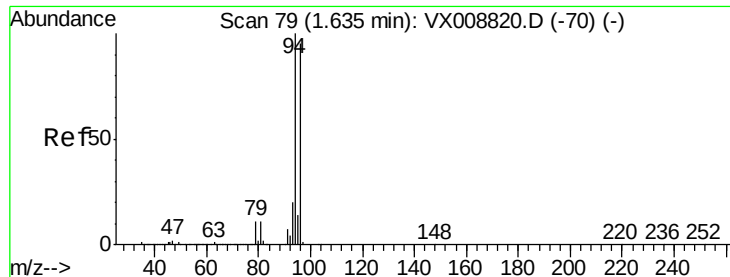
Tot Ion:168 Resp: 196118
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 40.9 25.8 38.8#





#5

Bromomethane

Concen: 1.959 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

Instrument :

MSVOA_X

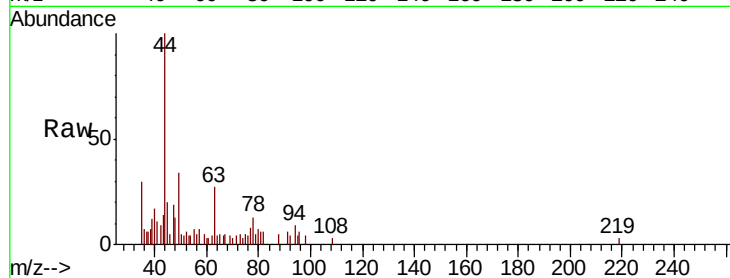
ClientSampled :

Tot Ion: 94 Resp: 115

Ion Ratio Lower Upper

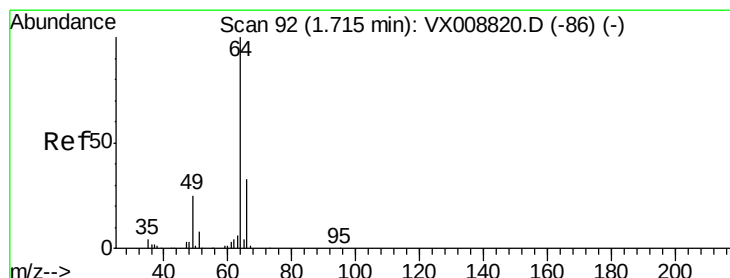
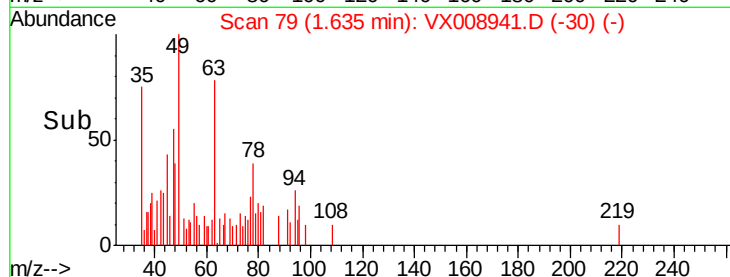
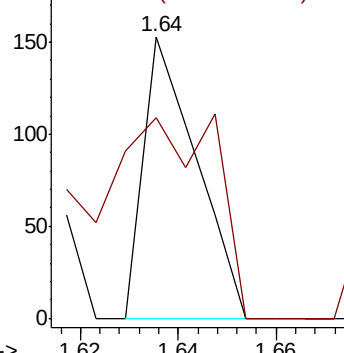
94 100

96 71.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008941.D

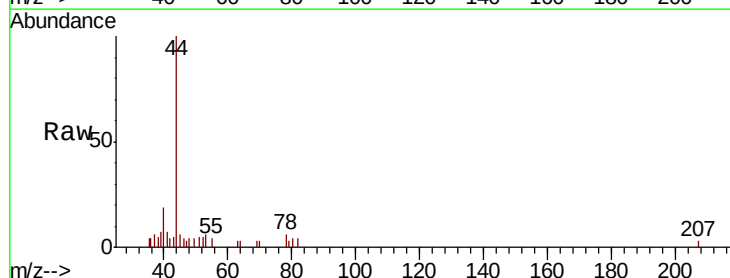
Acq: 13 Apr 2019 18:52

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

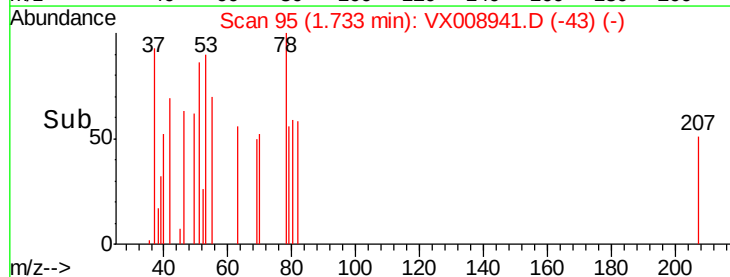
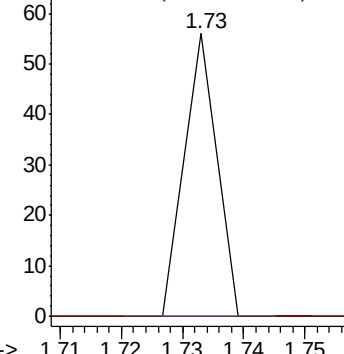
64 100

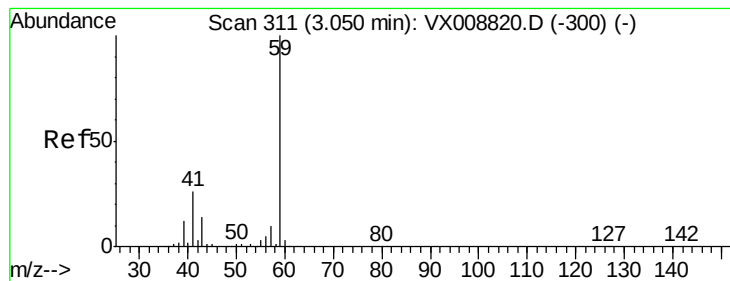
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



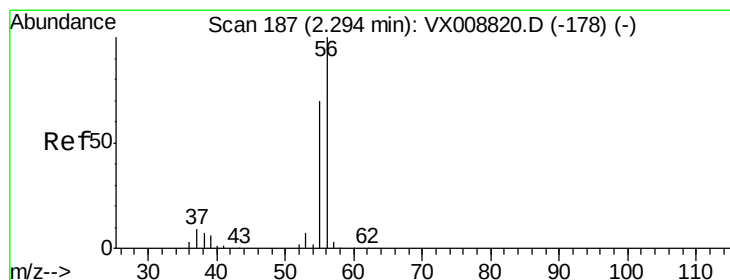
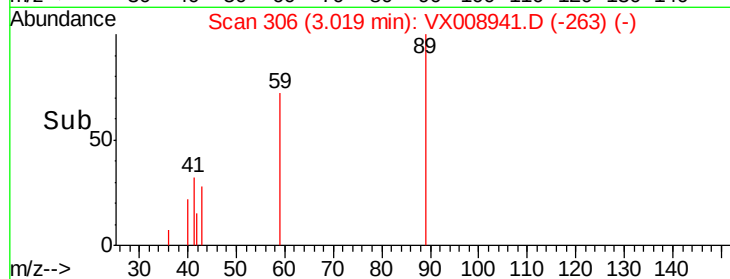
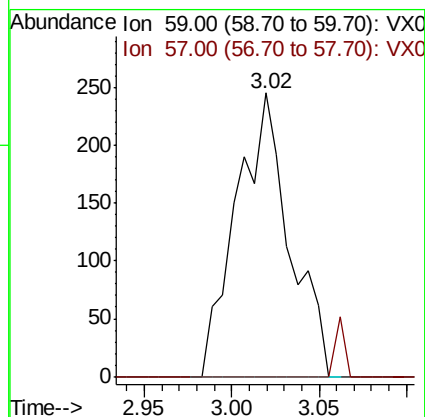
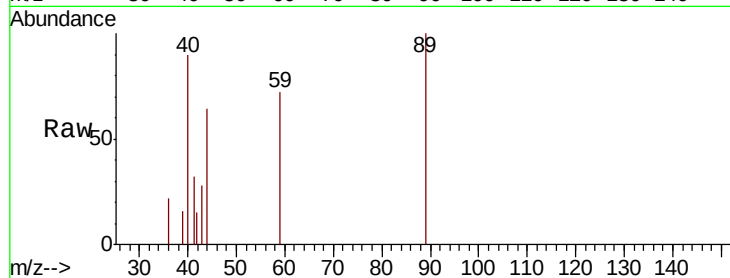


#11

Tert butyl alcohol
Concen: 0.776 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Instrument :
MSVOA_X
ClientSampled :

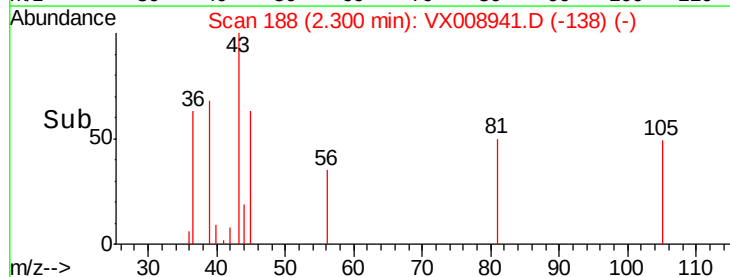
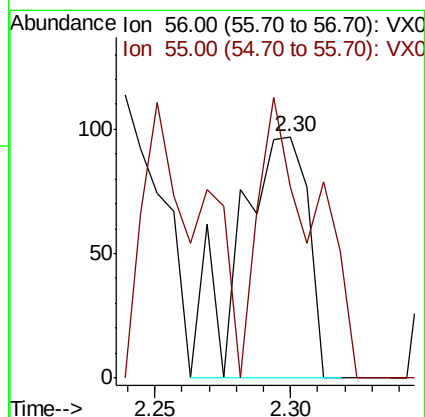
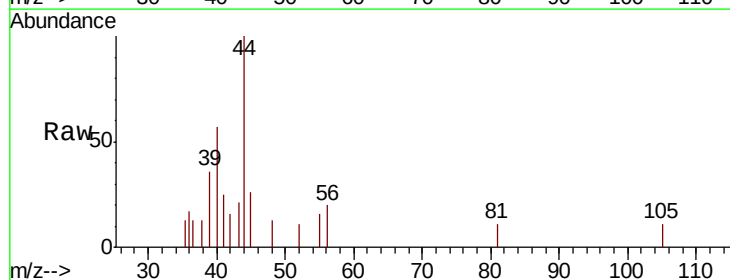
Tot Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

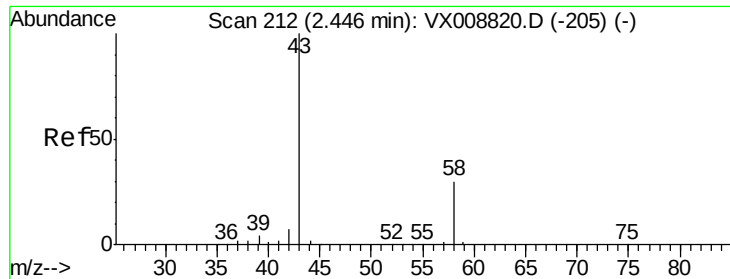


#13

Acrolein
Concen: 0.521 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 93.6 58.0 87.0#





#16

Acetone

Concen: 0.858 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

Instrument :

MSVOA_X

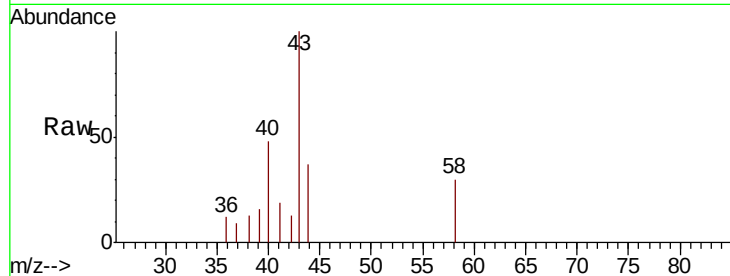
ClientSampled :

Tot Ion: 43 Resp: 1413

Ion Ratio Lower Upper

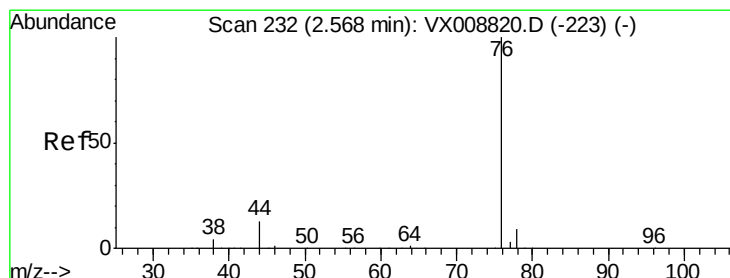
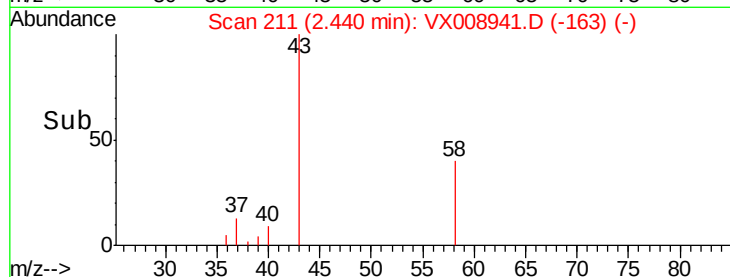
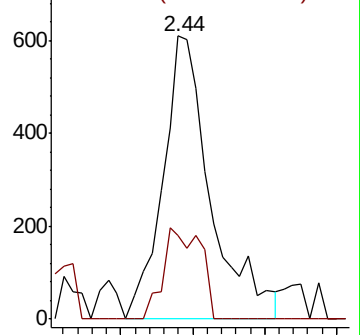
43 100

58 29.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008941.D

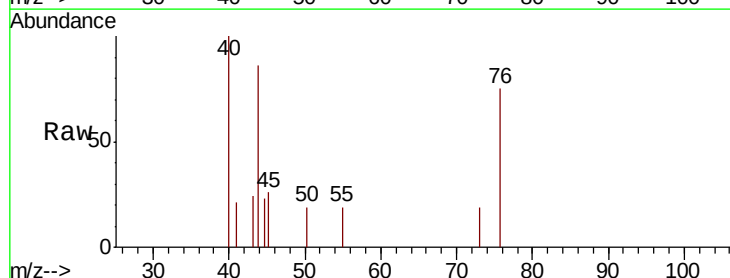
Acq: 13 Apr 2019 18:52

Tgt Ion: 76 Resp: 381

Ion Ratio Lower Upper

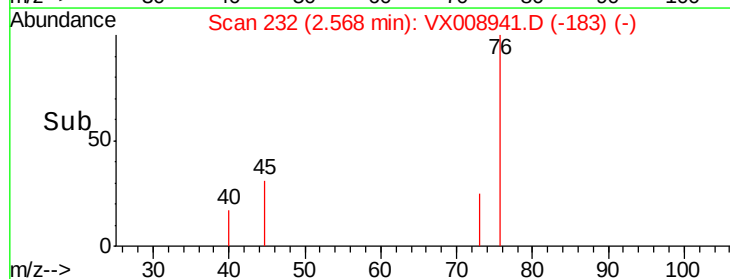
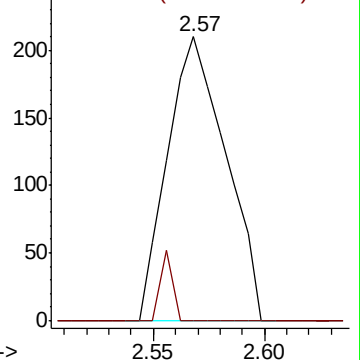
76 100

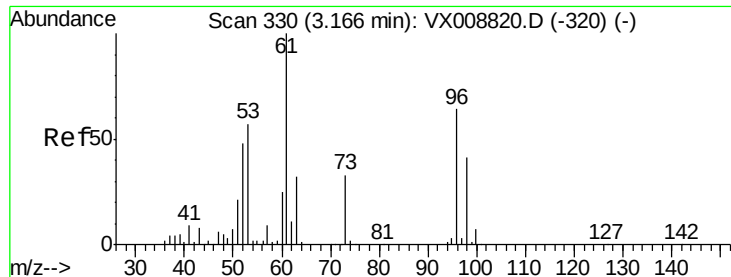
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

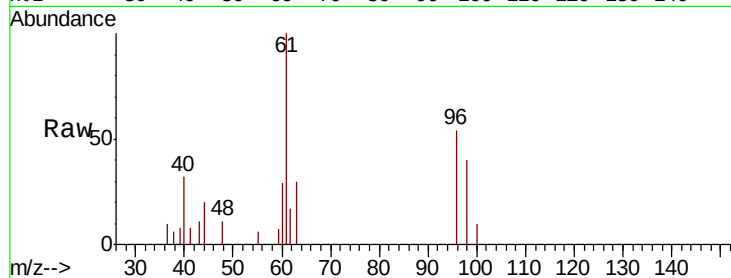




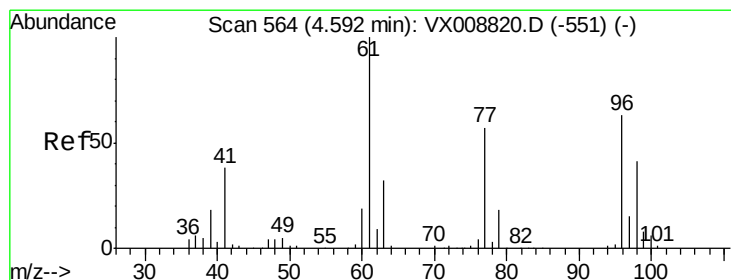
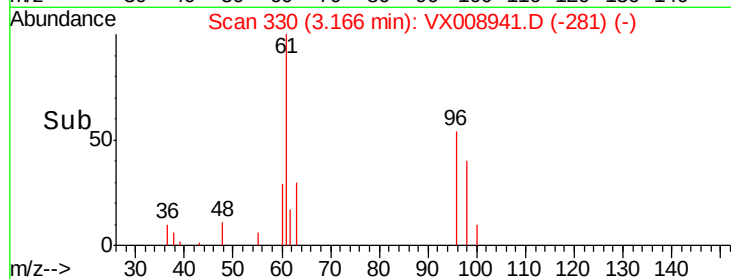
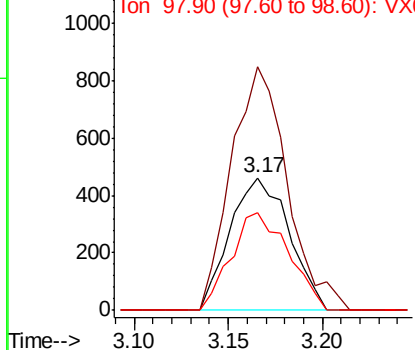
#21
trans-1,2-Dichloroethene
Concen: 0.409 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 1004
Ion Ratio Lower Upper
96 100
61 183.7 132.1 198.1
98 74.0 52.2 78.2

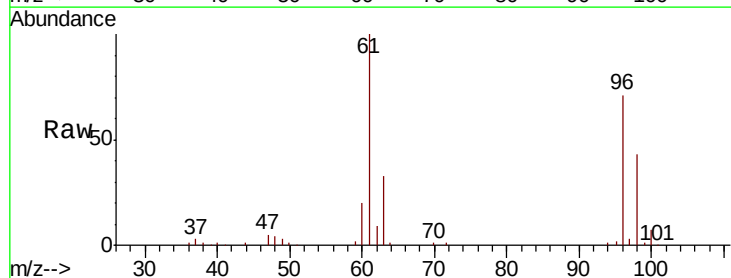


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

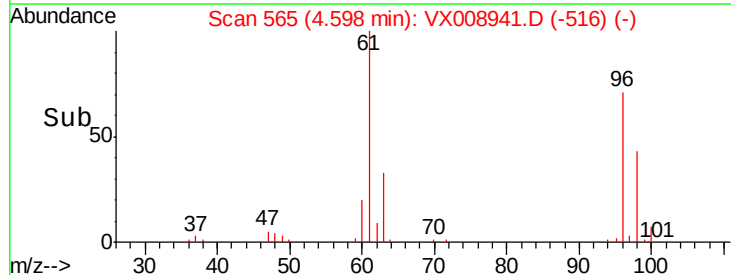
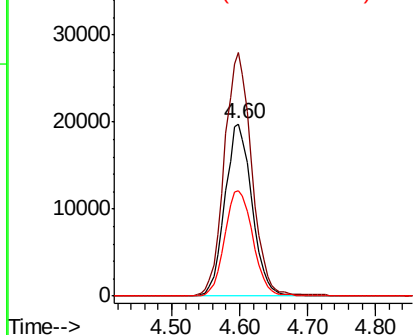


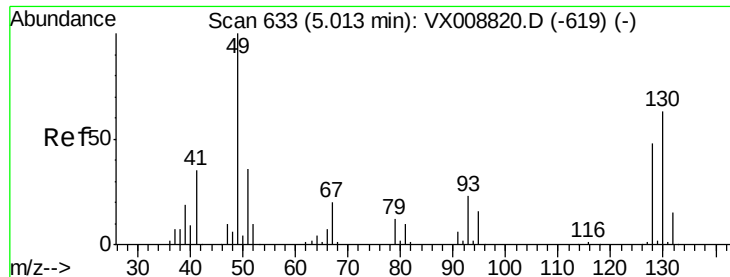
#27
cis-1,2-Dichloroethene
Concen: 19.401 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 96 Resp: 54705
Ion Ratio Lower Upper
96 100
61 142.0 0.0 327.6
98 63.8 0.0 128.6



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

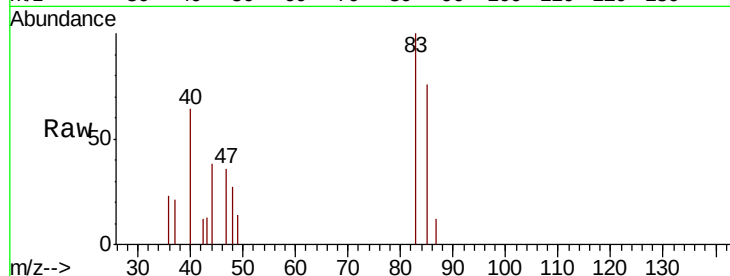




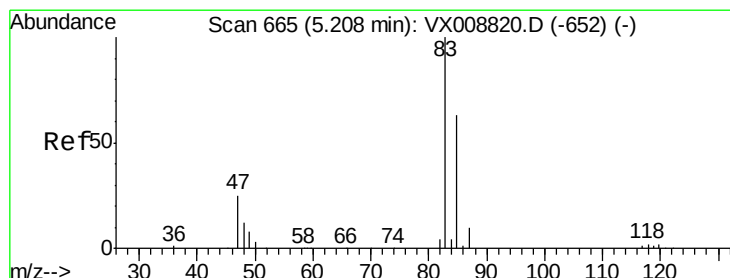
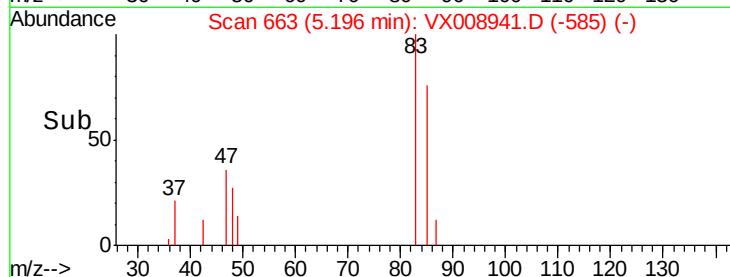
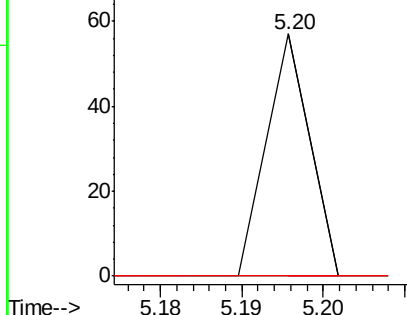
#28
Bromochloromethane
Concen: Below Cal
RT: 5.20 min Scan# 663
Delta R.T. 0.18 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

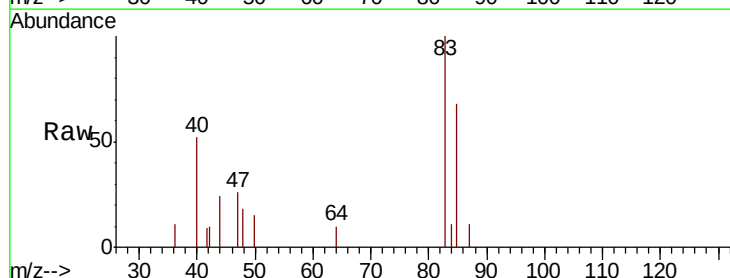


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

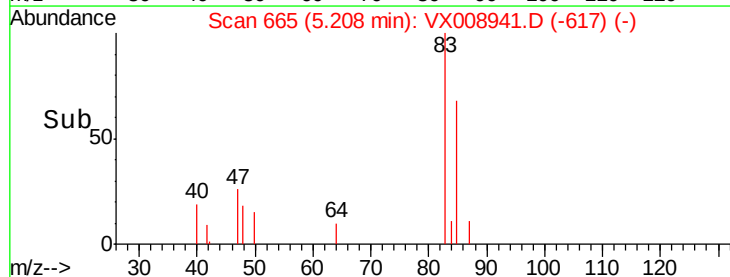
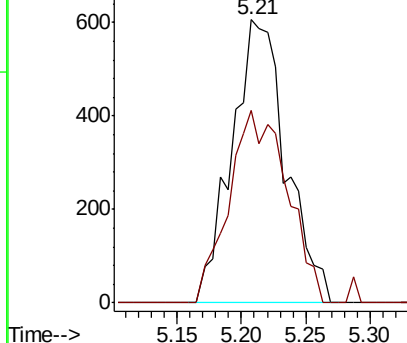


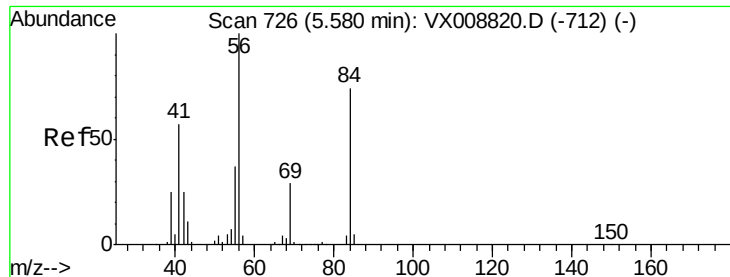
#30
Chloroform
Concen: 0.401 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 83 Resp: 1772
Ion Ratio Lower Upper
83 100
85 68.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

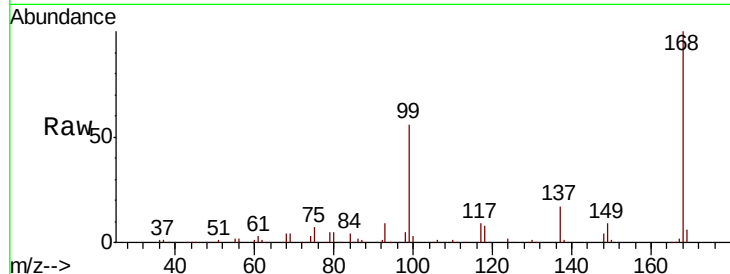




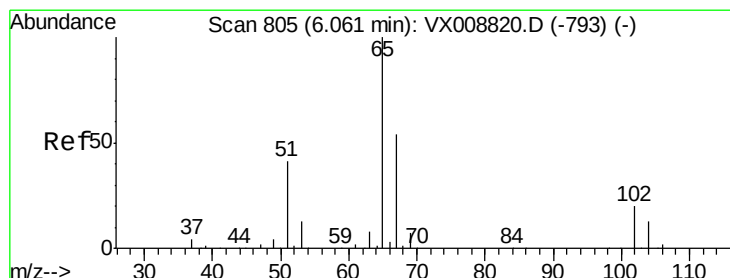
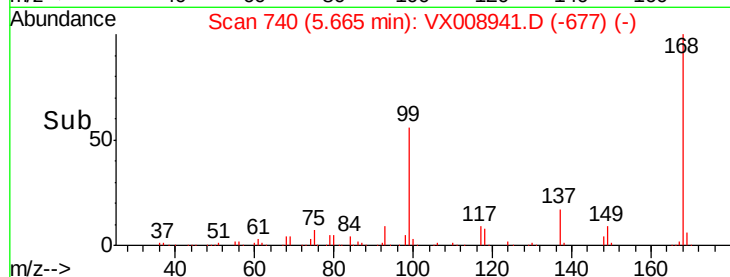
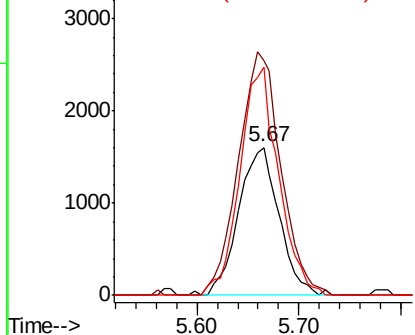
#31
Cyclohexane
Concen: 0.897 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4433
Ion Ratio Lower Upper
56 100
69 159.0 22.6 33.8#
84 159.3 59.3 88.9#

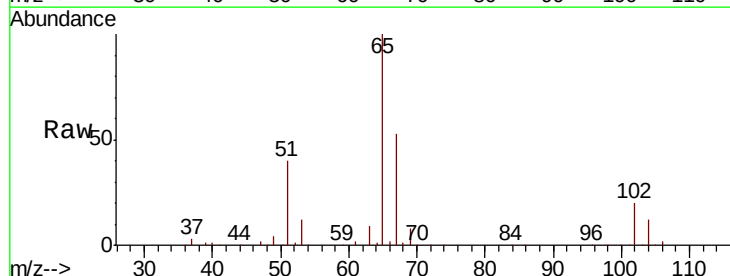


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

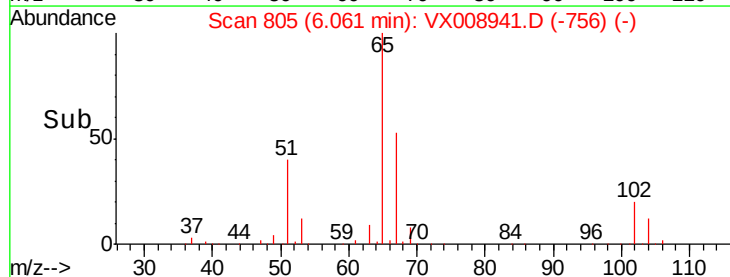
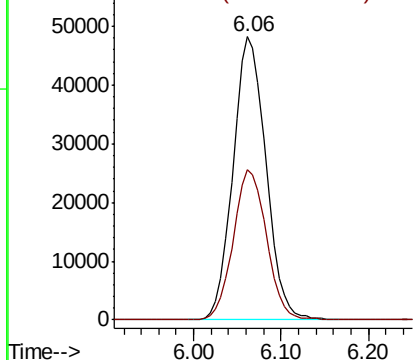


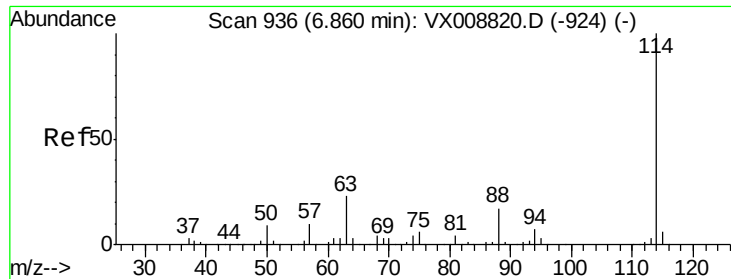
#33
1,2-Dichloroethane-d4
Concen: 44.179 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 65 Resp: 126373
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2



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

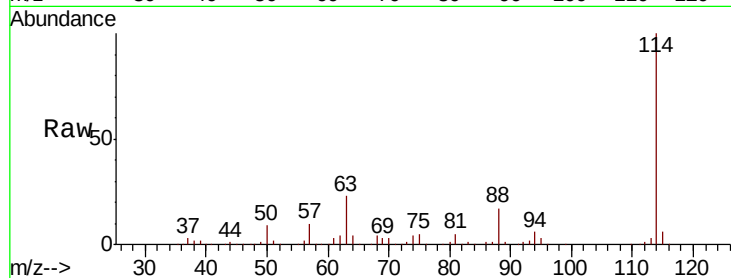




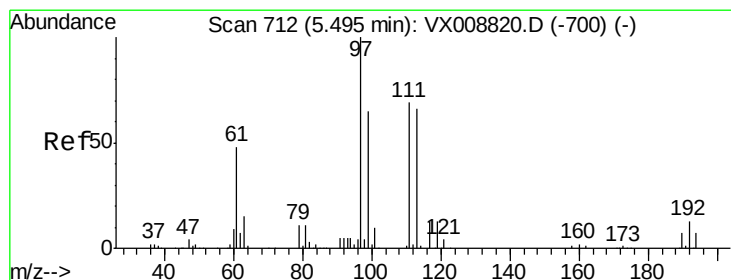
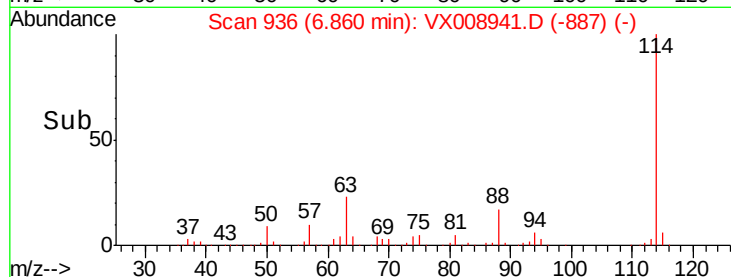
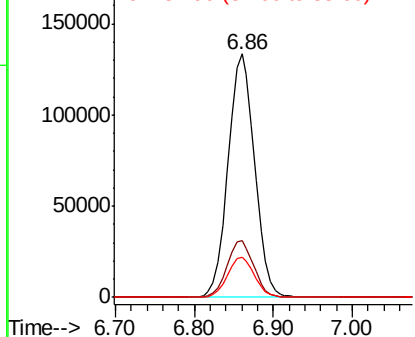
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 311662
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.7 0.0 34.0

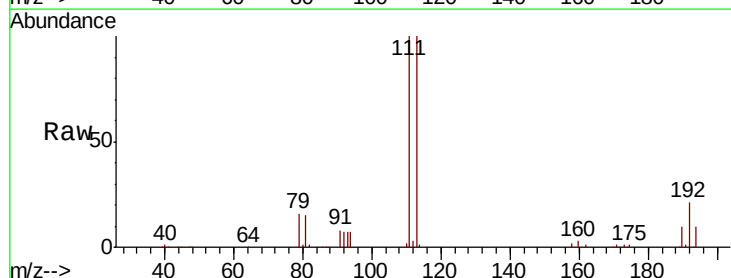


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

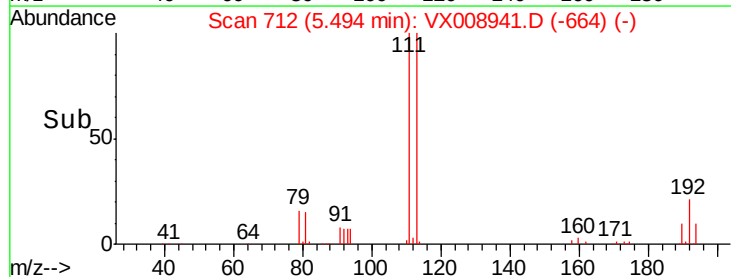
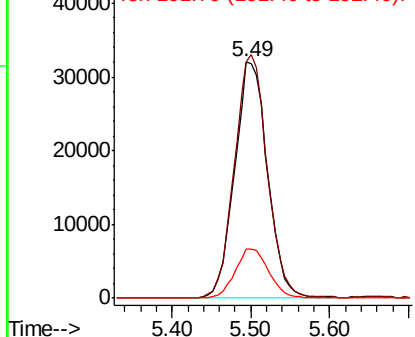


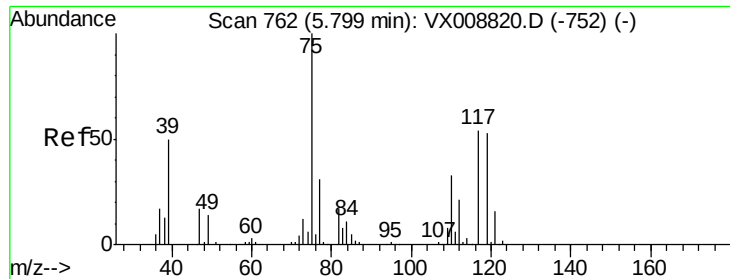
#35
 Dibromofluoromethane
 Concen: 46.565 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Tgt Ion:113 Resp: 92788
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 21.2 16.1 24.1



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

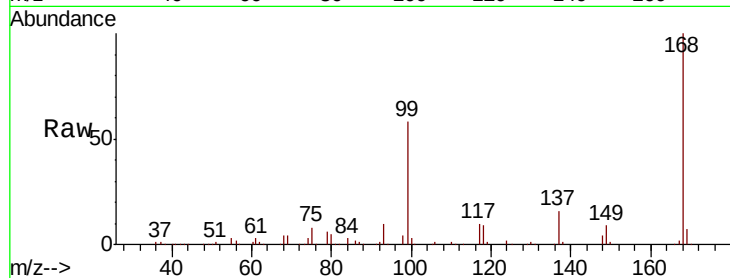




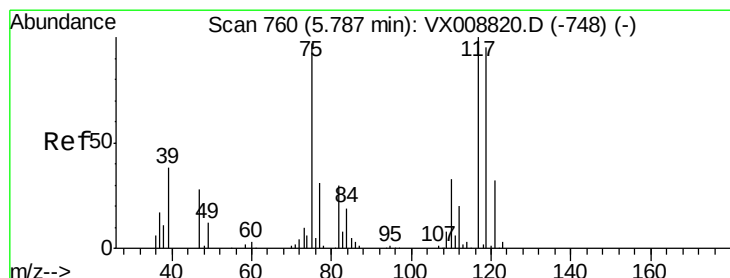
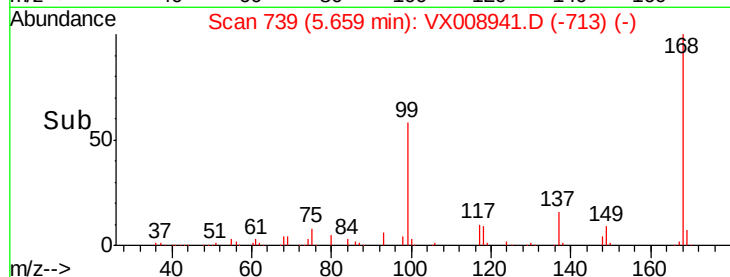
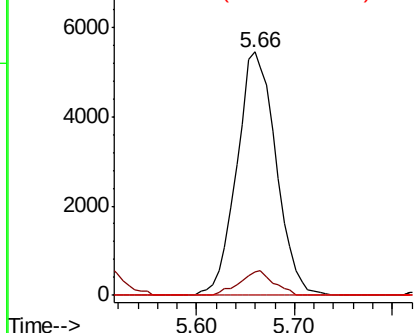
#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.7	37.1#

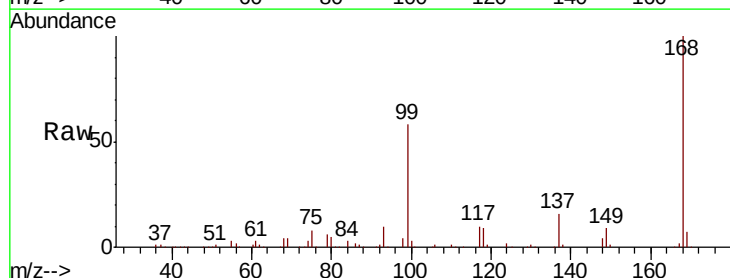


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

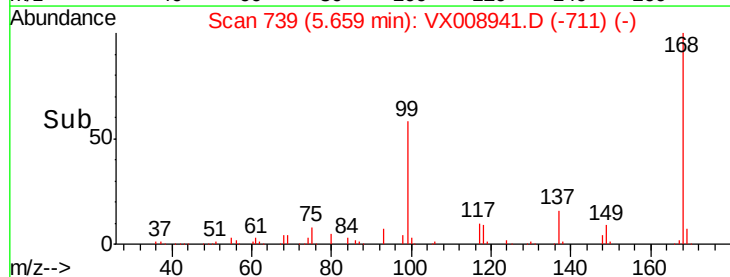
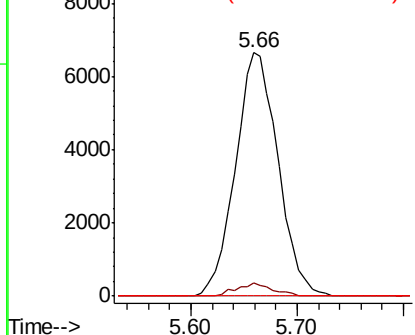


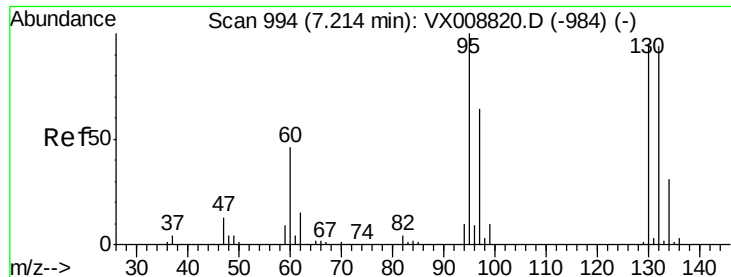
#38
 Carbon Tetrachloride
 Concen: 6.603 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.0	112.6#
121	0.0	24.3	36.5#



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

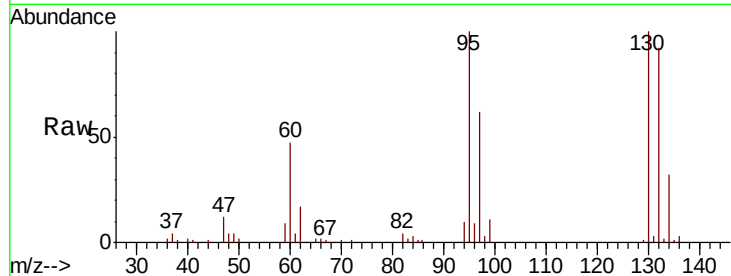




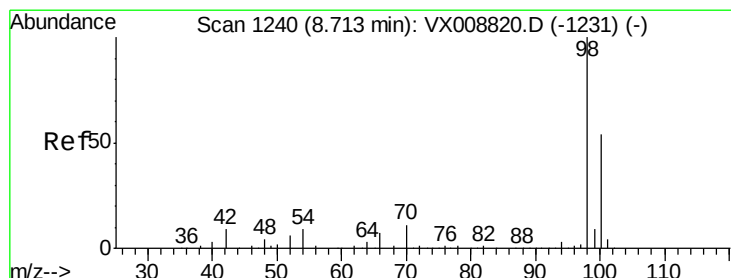
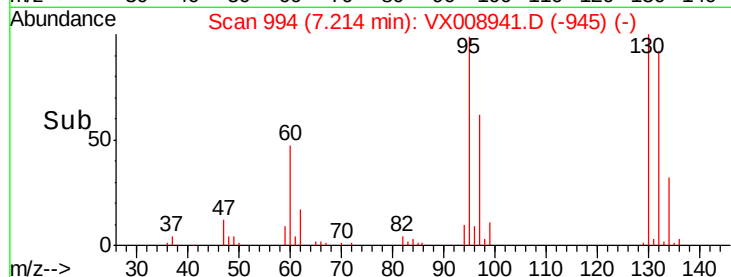
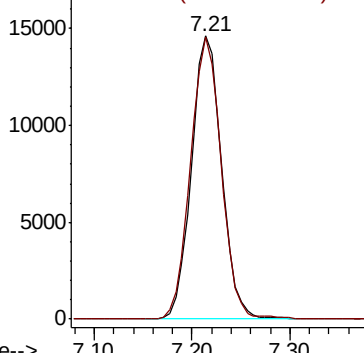
#44
 Trichloroethene
 Concen: 13.207 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 31219
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 209.8

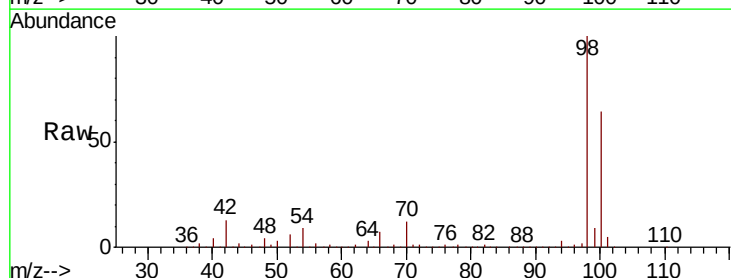


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

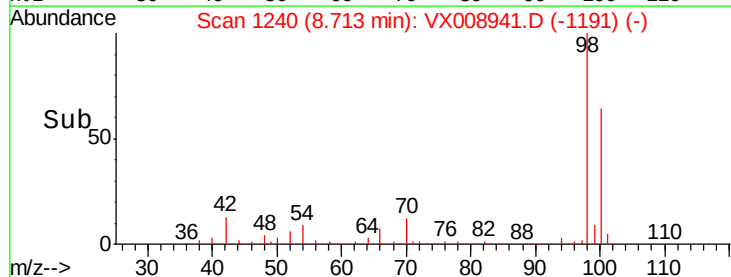
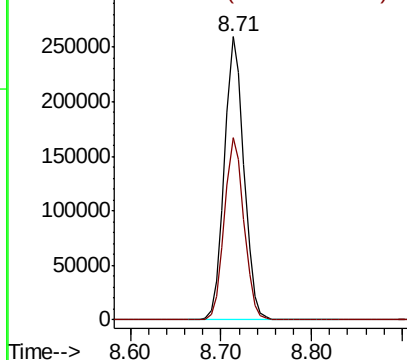


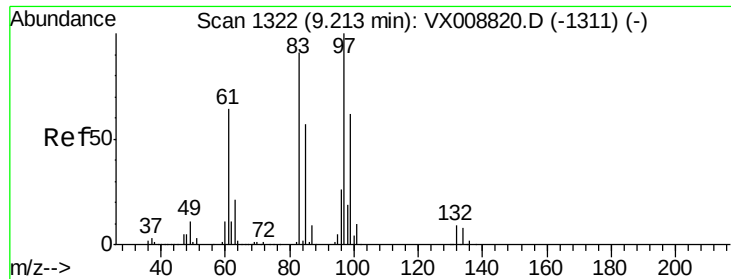
#50
 Toluene-d8
 Concen: 48.998 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008941.D
 Acq: 13 Apr 2019 18:52

Tgt Ion: 98 Resp: 388758
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 1.020 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 2451

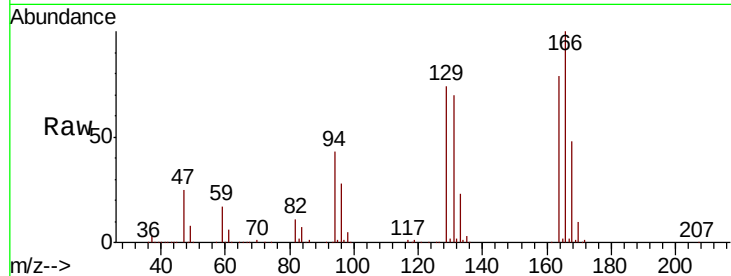
Ion Ratio Lower Upper

97 100

83 277.3 73.2 109.8#

85 50.2 46.6 69.8

99 15.2 50.1 75.1#

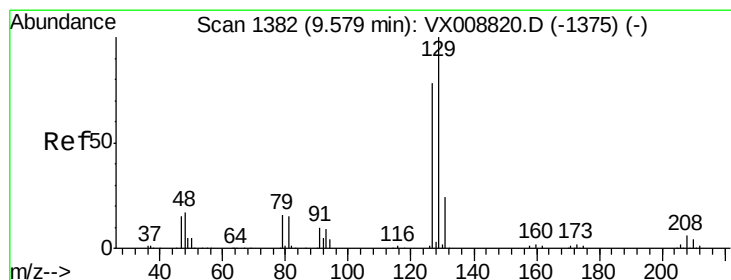
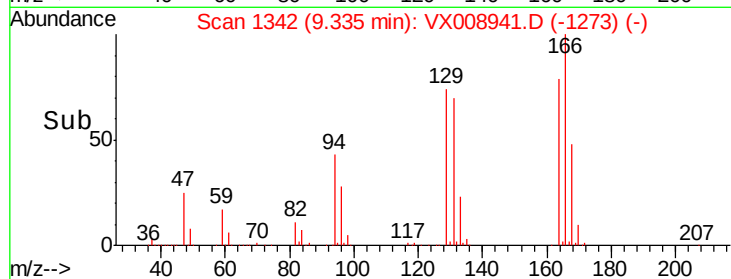
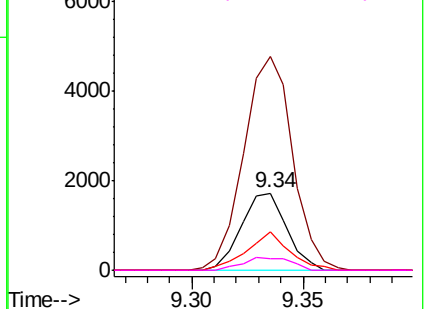


Abundance Ion 96.90 (96.60 to 97.60): VX0

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



#60

Dibromochloromethane

Concen: 125.627 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008941.D

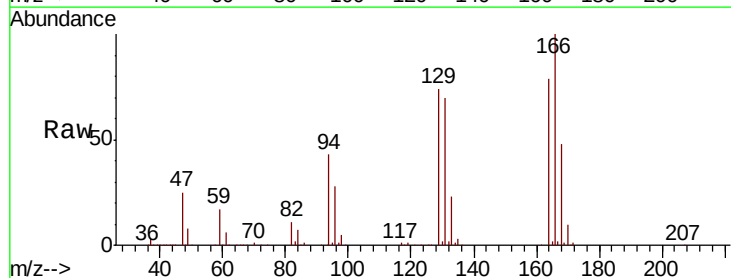
Acq: 13 Apr 2019 18:52

Tgt Ion:129 Resp: 284328

Ion Ratio Lower Upper

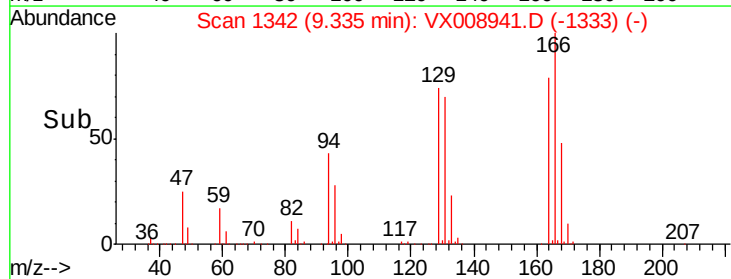
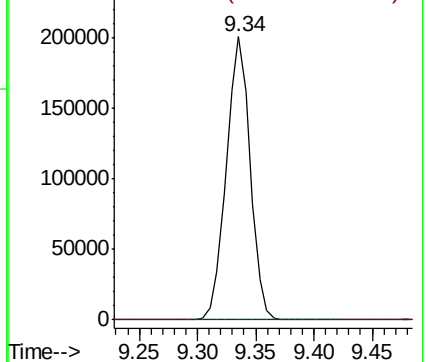
129 100

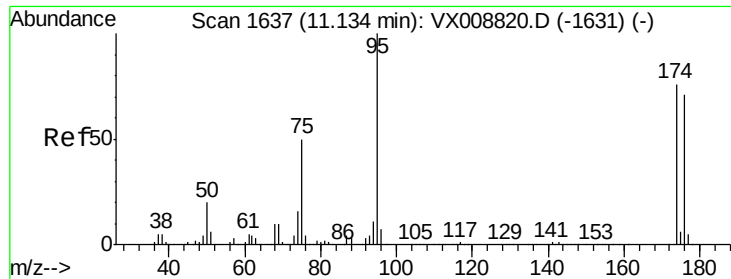
127 0.1 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

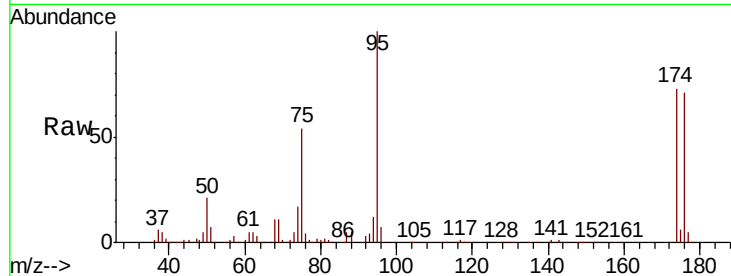




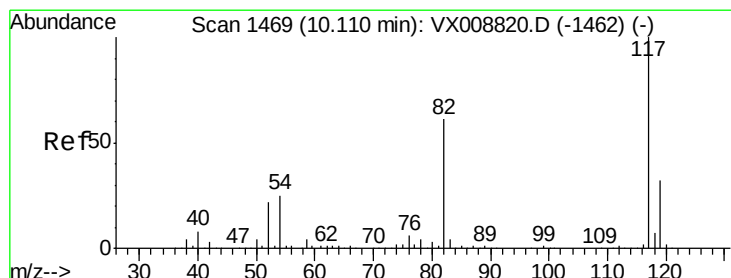
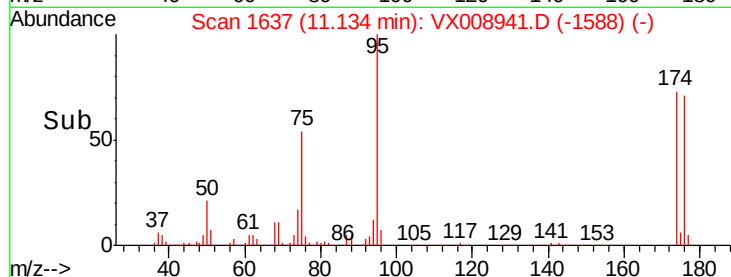
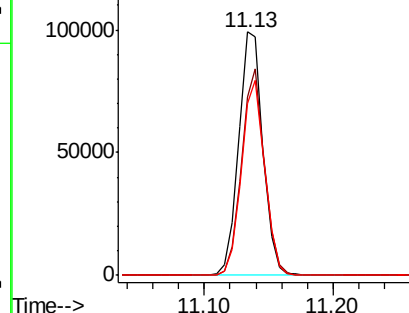
#62
4-Bromofluorobenzene
Concen: 46.078 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 129644
Ion Ratio Lower Upper
95 100
174 80.1 0.0 151.8
176 77.0 0.0 145.8

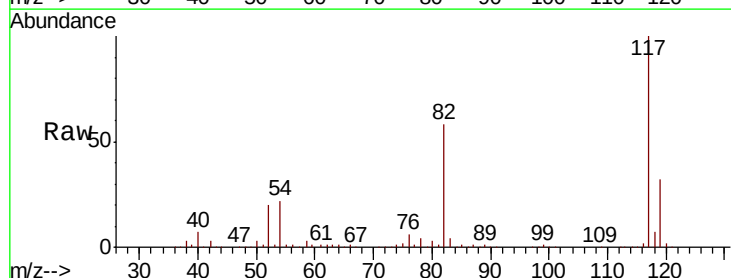


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

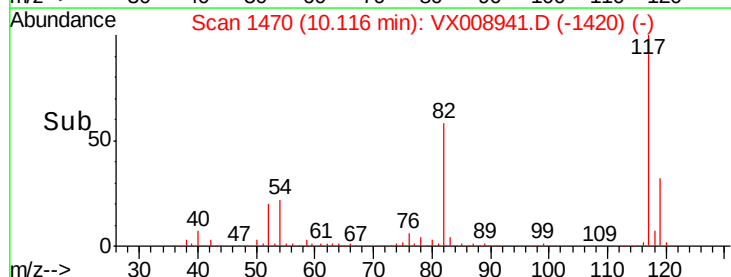
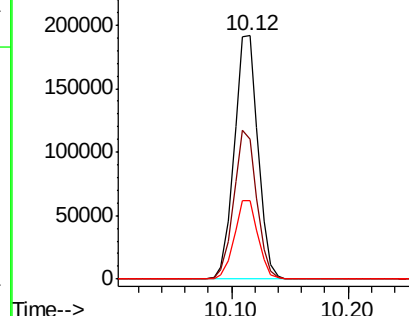


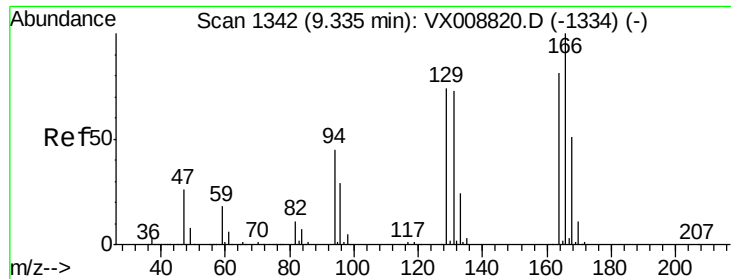
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008941.D
Acq: 13 Apr 2019 18:52

Tgt Ion: 117 Resp: 271231
Ion Ratio Lower Upper
117 100
82 57.5 49.6 74.4
119 32.0 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 152.642 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 306739

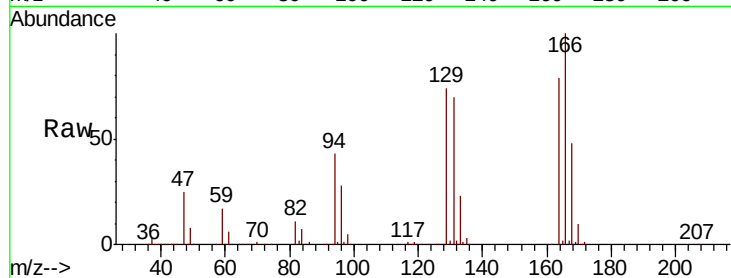
Ion Ratio Lower Upper

164 100

166 126.8 101.0 151.6

129 93.4 75.8 113.8

131 89.1 71.8 107.8

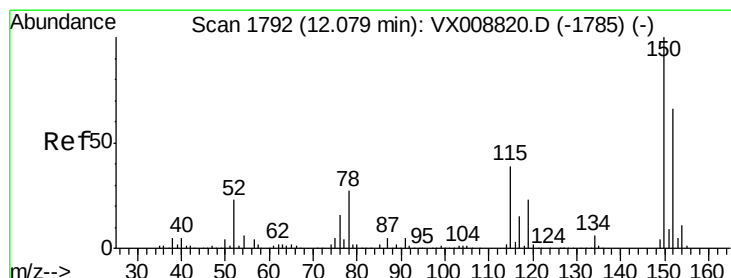
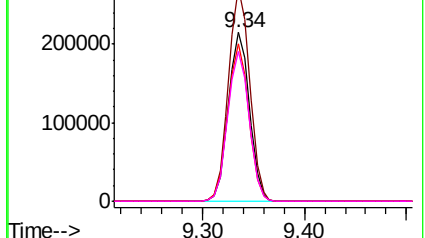
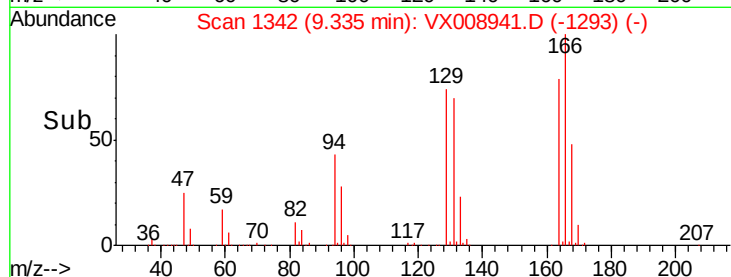


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

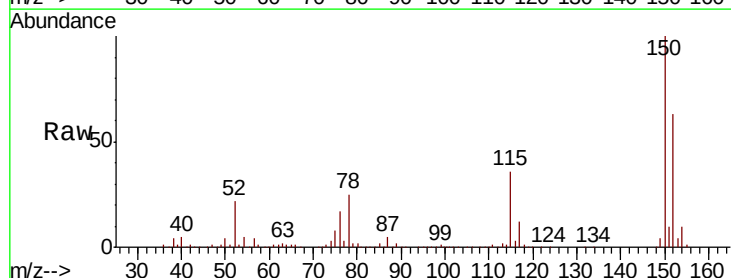
Tgt Ion:152 Resp: 117830

Ion Ratio Lower Upper

152 100

115 57.9 43.5 130.5

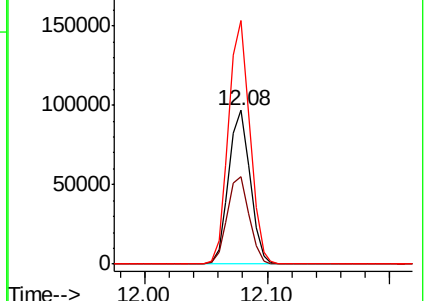
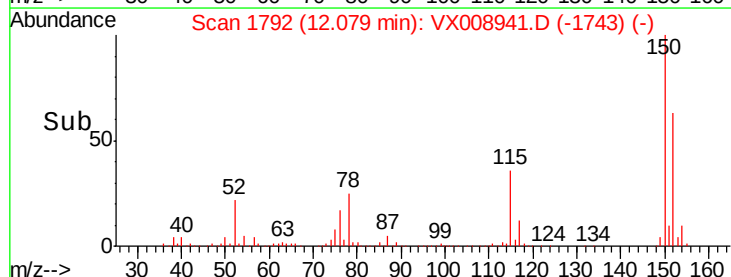
150 156.8 0.0 348.8

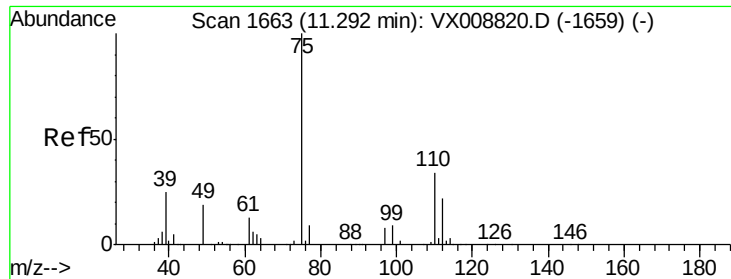


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.699 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

Instrument :

MSVOA_X

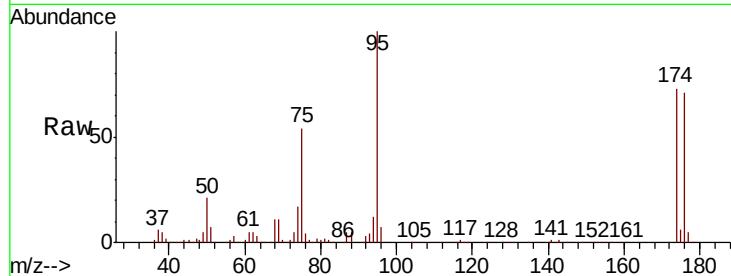
ClientSampleId :

Tot Ion: 75 Resp: 67000

Ion Ratio Lower Upper

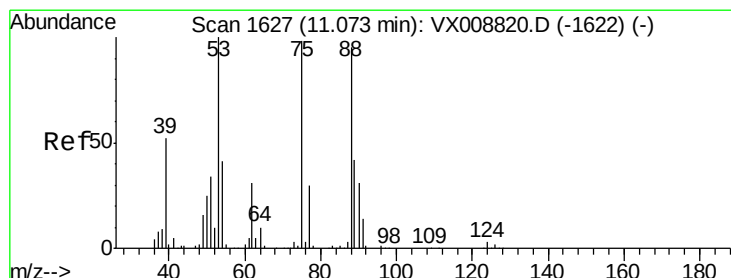
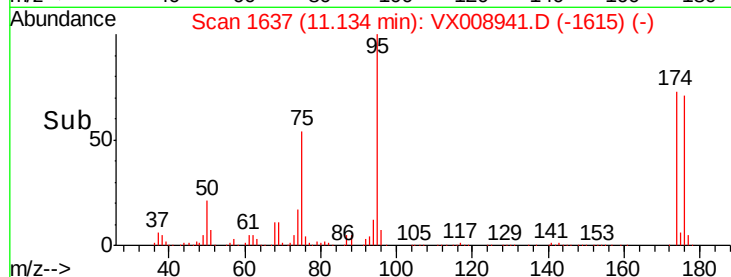
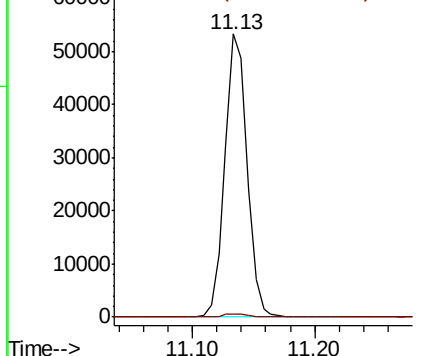
75 100

77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 57.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008941.D

Acq: 13 Apr 2019 18:52

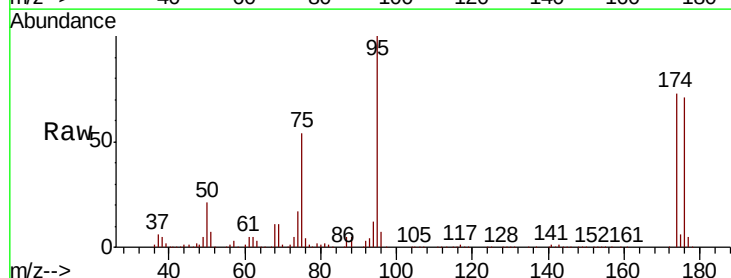
Tgt Ion: 75 Resp: 67000

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

