

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008307.D
 Acq On : 21 Mar 2019 22:51
 Operator : JC/SP
 Sample : VX0321WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL02

Quant Time: Mar 22 10:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	207191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110579	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	121905	39.07	ug/l	0.00
Spiked Amount			Recovery	=	78.14%	
35) Dibromofluoromethane	5.50	113	99473	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	359797	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
62) 4-Bromofluorobenzene	11.13	95	115576	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	

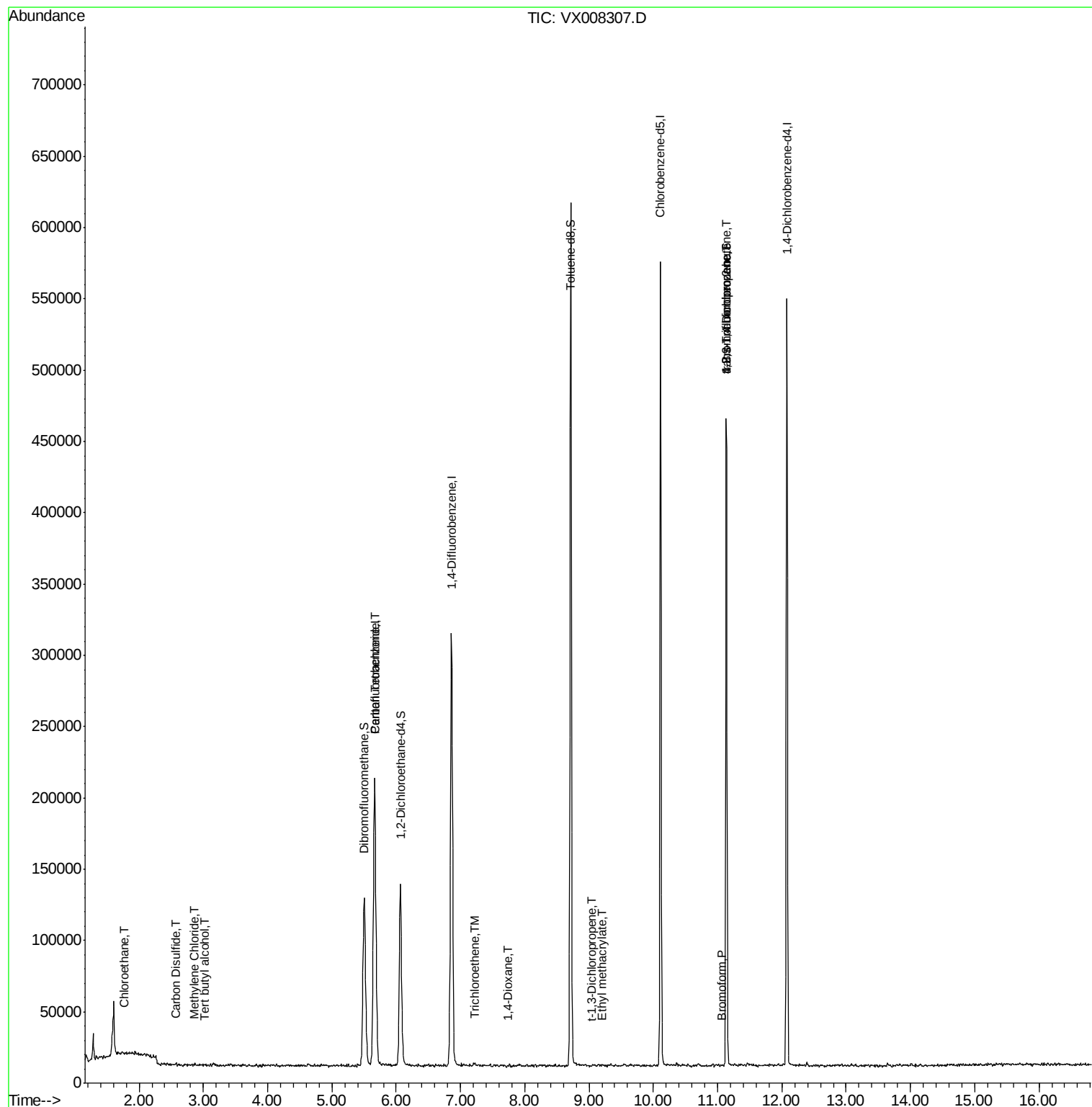
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	898	0.456	ug/l #	45
11) Tert butyl alcohol	3.03	59	300	0.449	ug/l #	41
13) Acrolein	2.31	56	111	Below Cal	#	1
17) Carbon Disulfide	2.57	76	1179	0.817	ug/l #	72
20) Methylene Chloride	2.86	84	605	0.205	ug/l #	47
38) Carbon Tetrachloride	5.67	117	18276	5.702	ug/l #	17
44) Trichloroethene	7.22	130	960	0.369	ug/l	95
49) 1,4-Dioxane	7.73	88	120	1.876	ug/l #	57
53) t-1,3-Dichloropropene	9.04	75	243	1.477	ug/l #	45
56) Ethyl methacrylate	9.19	69	217	0.574	ug/l #	1
71) Bromoform	11.07	173	43	2.224	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	56817	18.268	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	56817	46.670	ug/l #	12

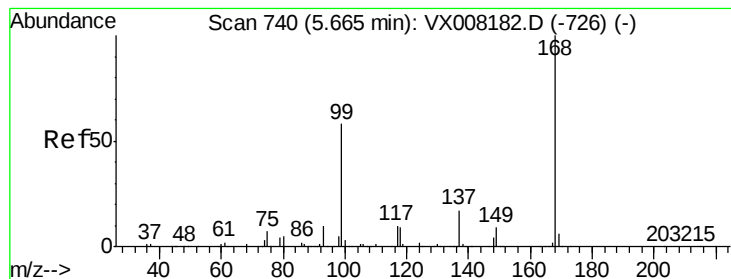
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

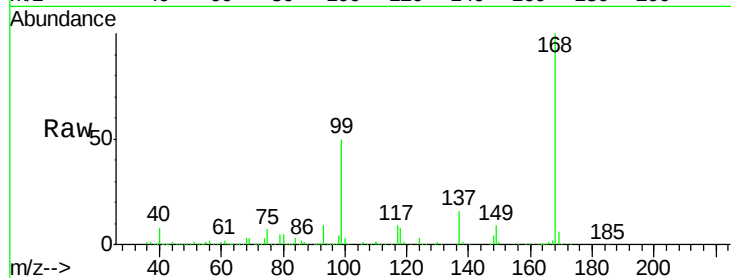
VX0321WBL02

Tot Ion:168 Resp: 207191

Ion Ratio Lower Upper

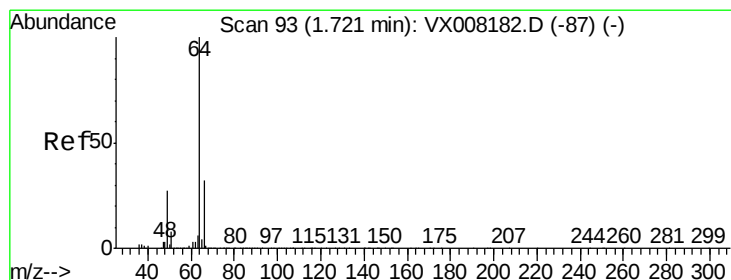
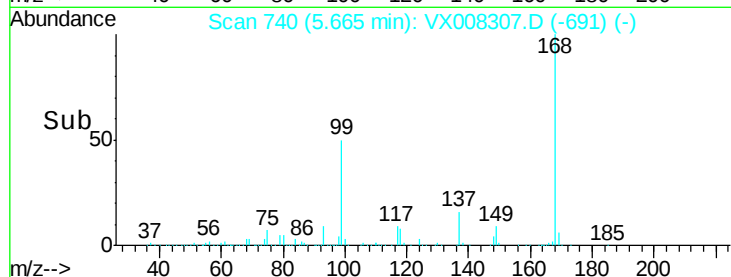
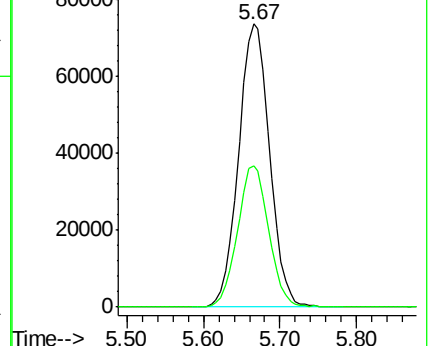
168 100

99 50.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.456 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.05 min

Lab File: VX008307.D

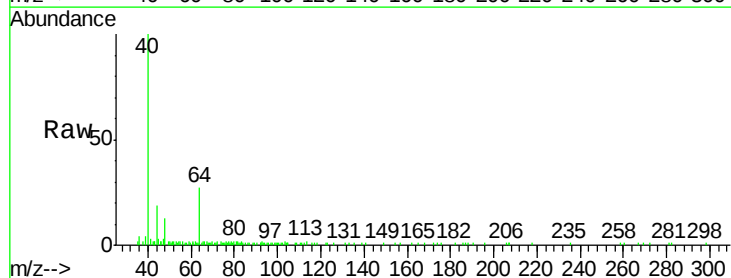
Acq: 21 Mar 2019 22:51

Tgt Ion: 64 Resp: 898

Ion Ratio Lower Upper

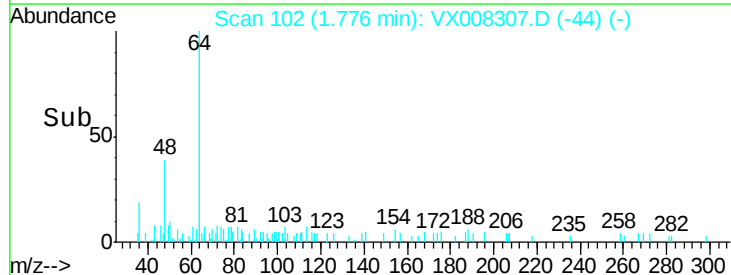
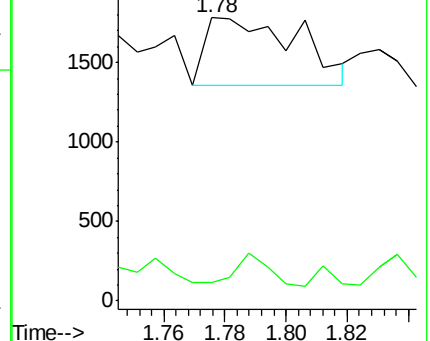
64 100

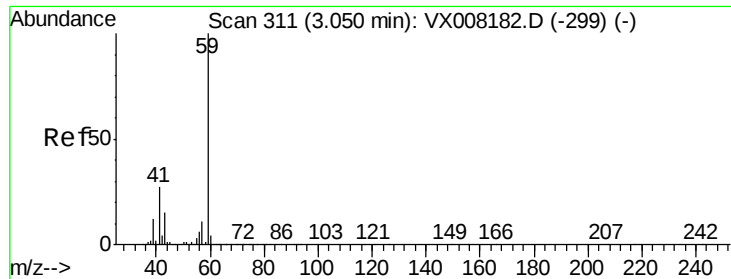
66 0.9 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



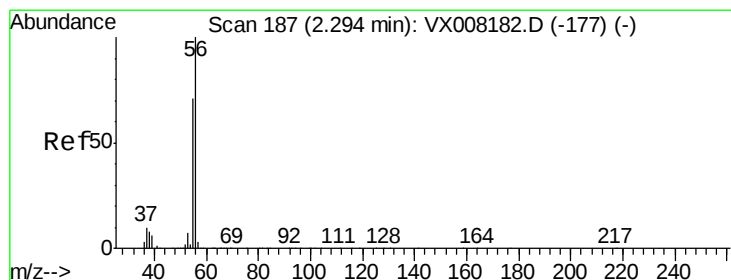
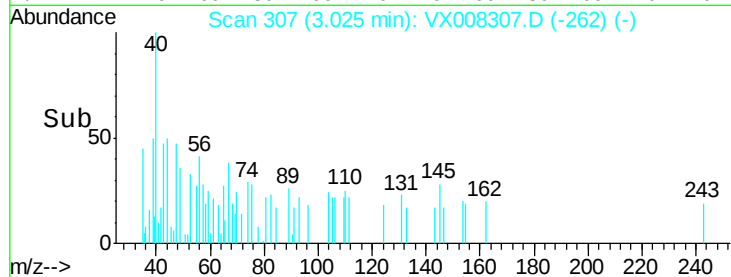
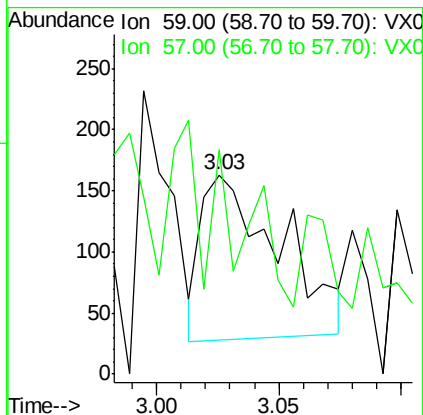
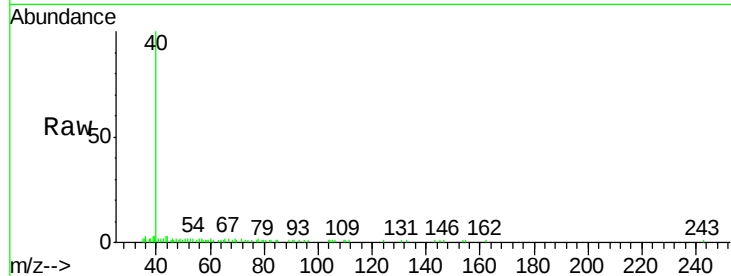


#11

Tert butyl alcohol
 Concen: 0.449 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX008307.D
 Acq: 21 Mar 2019 22:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0321WBL02

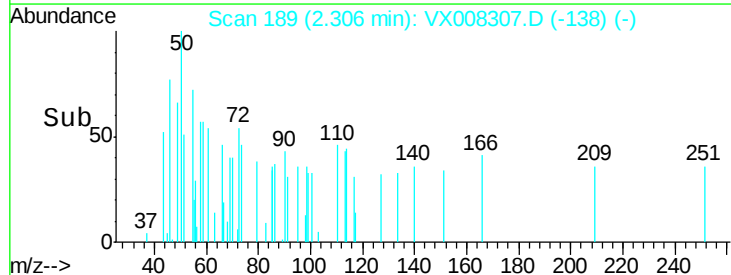
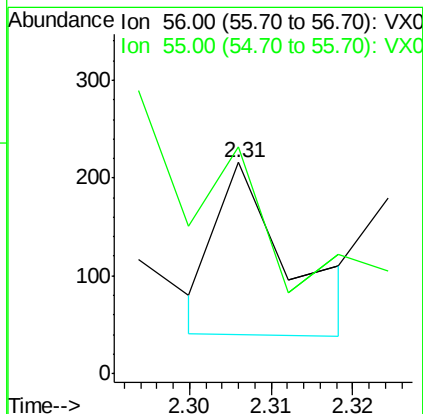
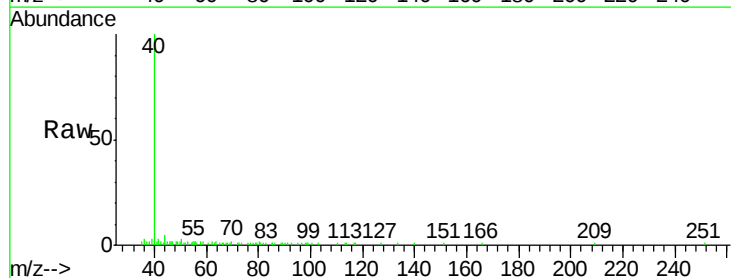
Tot Ion: 59 Resp: 300
 Ion Ratio Lower Upper
 59 100
 57 32.0 8.2 12.2#

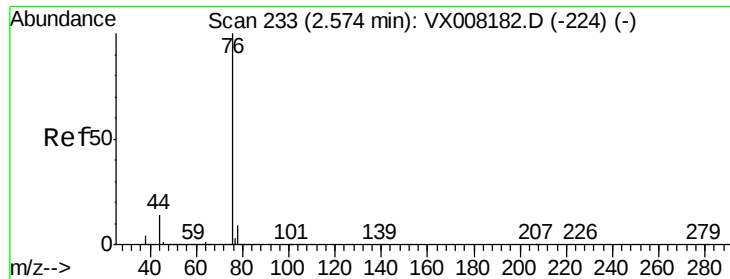


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX008307.D
 Acq: 21 Mar 2019 22:51

Tgt Ion: 56 Resp: 111
 Ion Ratio Lower Upper
 56 100
 55 155.0 57.8 86.6#





#17

Carbon Disulfide

Concen: 0.817 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

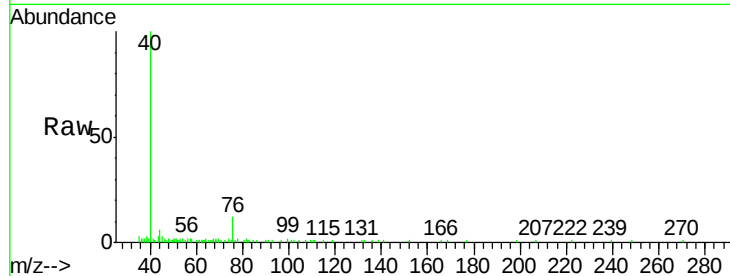
VX0321WBL02

Tot Ion: 76 Resp: 1179

Ion Ratio Lower Upper

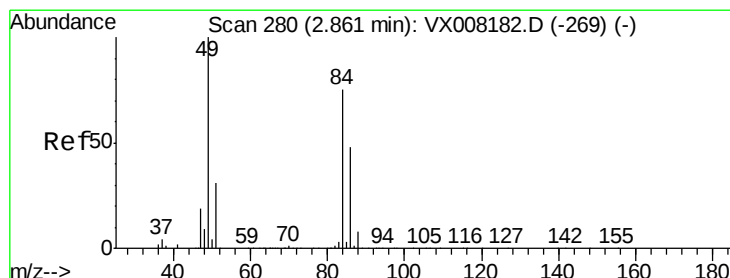
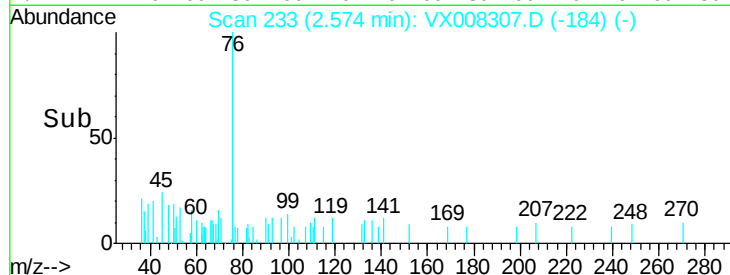
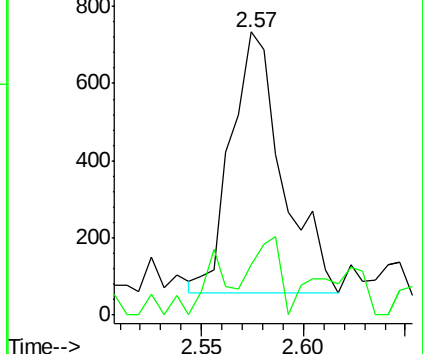
76 100

78 19.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Tgt Ion: 84 Resp: 605

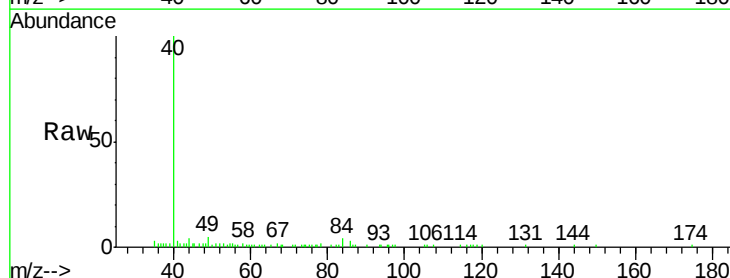
Ion Ratio Lower Upper

84 100

49 40.3 99.3 148.9#

51 25.1 31.3 46.9#

86 90.1 52.6 79.0#

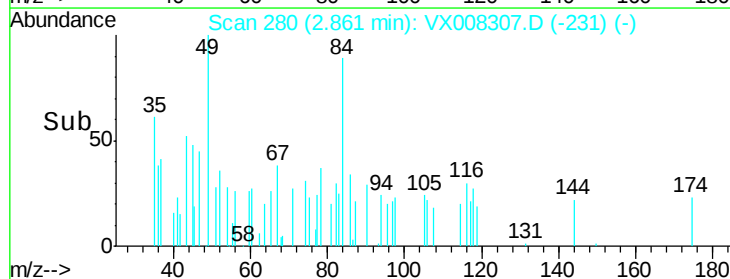
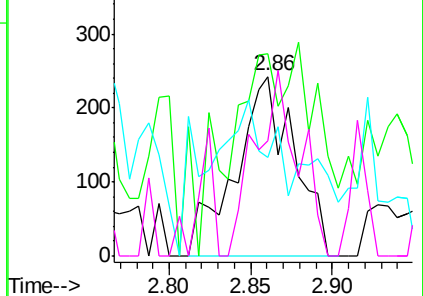


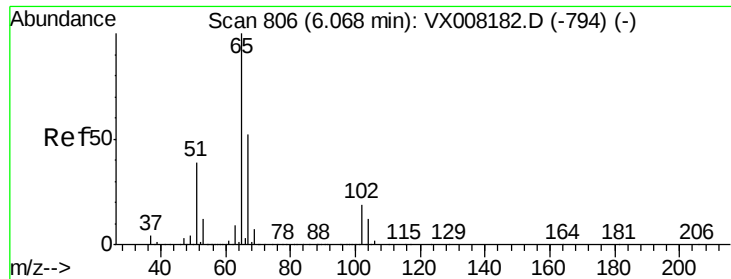
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#33

1,2-Dichloroethane-d4

Concen: 39.066 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

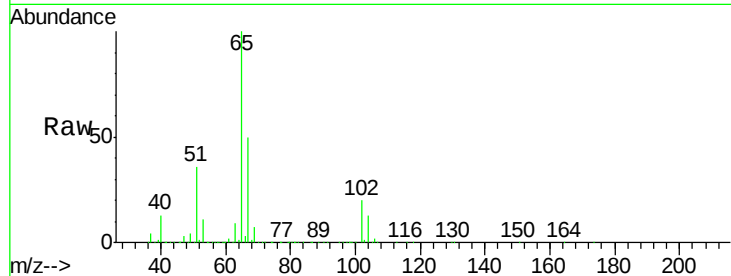
VX0321WBL02

Tot Ion: 65 Resp: 121905

Ion Ratio Lower Upper

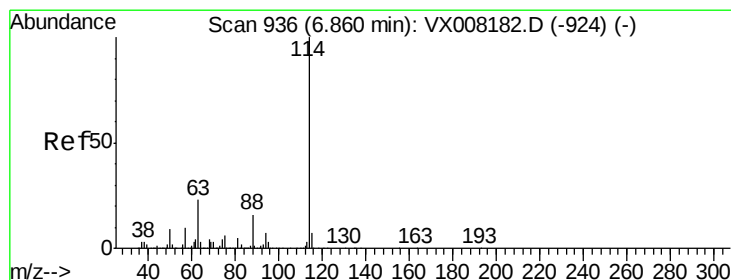
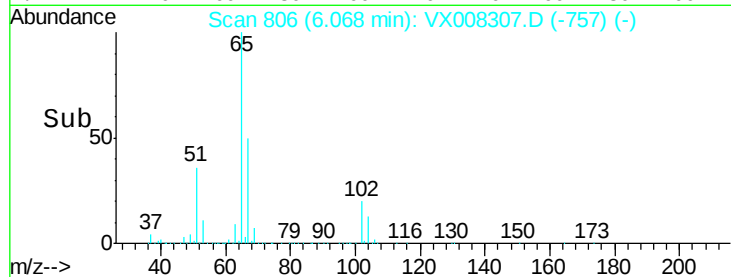
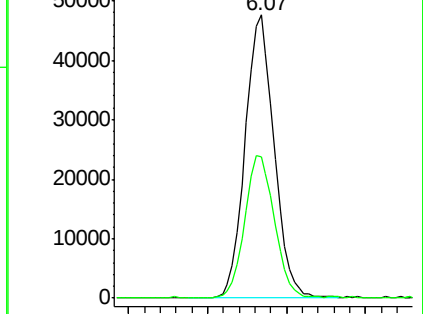
65 100

67 51.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

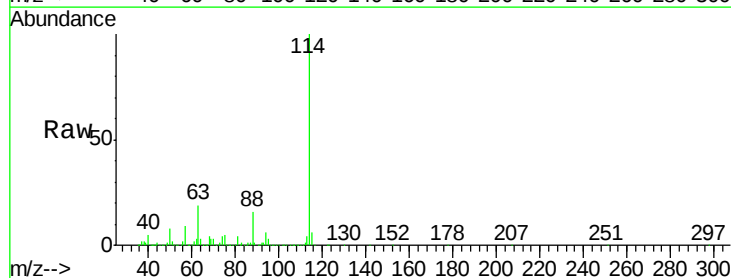
Tgt Ion: 114 Resp: 308984

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

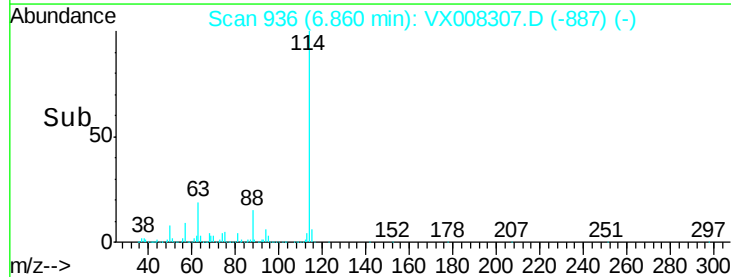
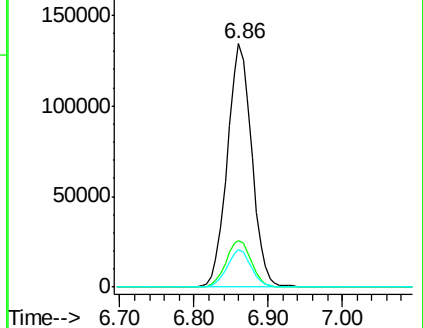
88 15.5 0.0 31.4

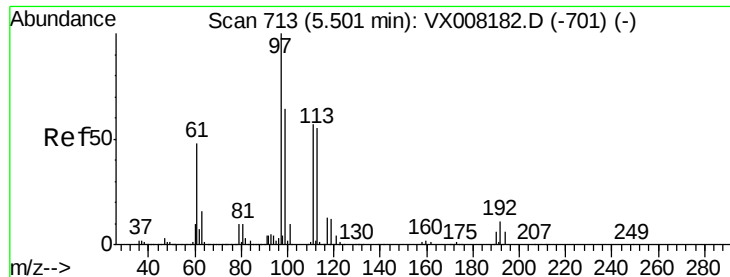


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.091 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL02

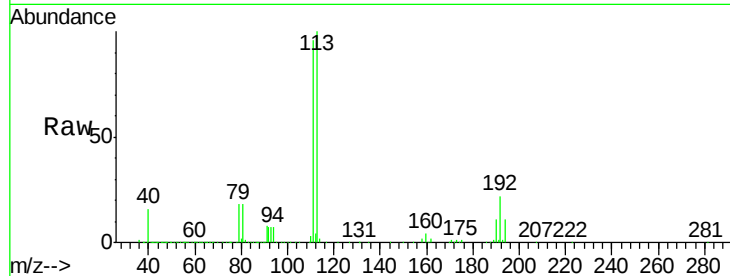
Tot Ion:113 Resp: 99473

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

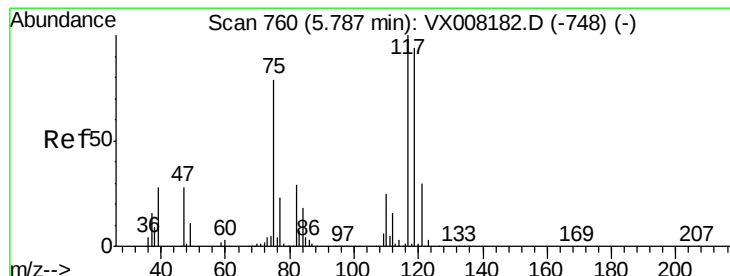
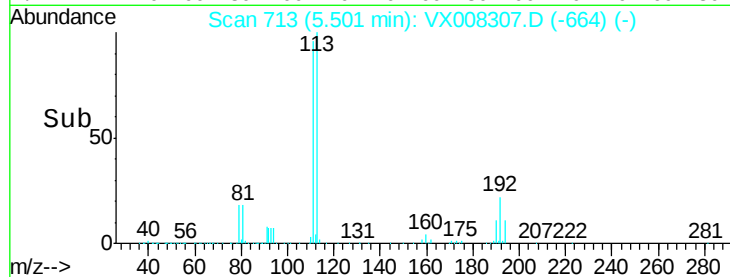
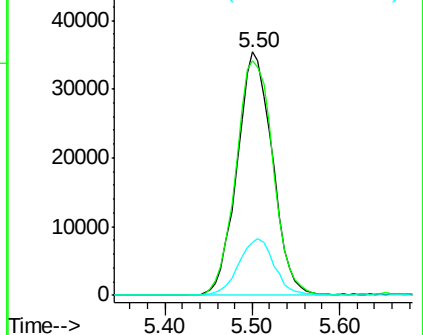
192 23.2 19.4 29.0



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



#38

Carbon Tetrachloride

Concen: 5.702 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

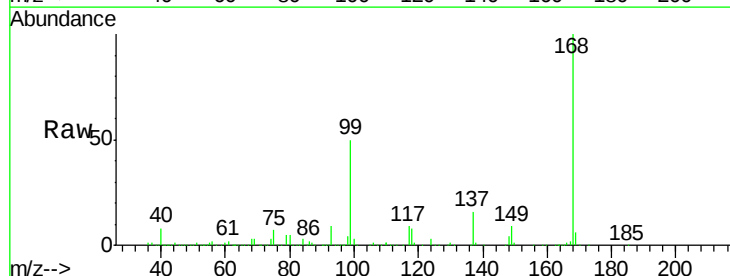
Tgt Ion:117 Resp: 18276

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

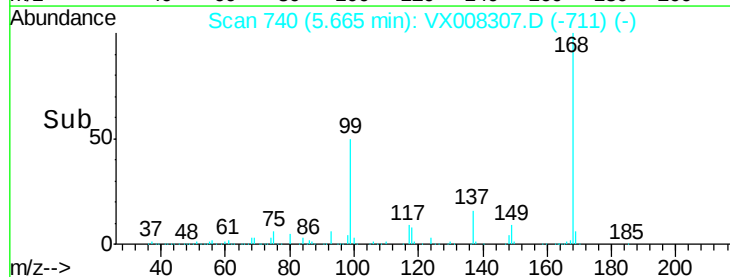
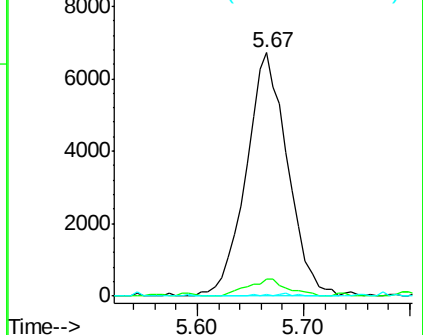
121 1.0 24.6 36.8#

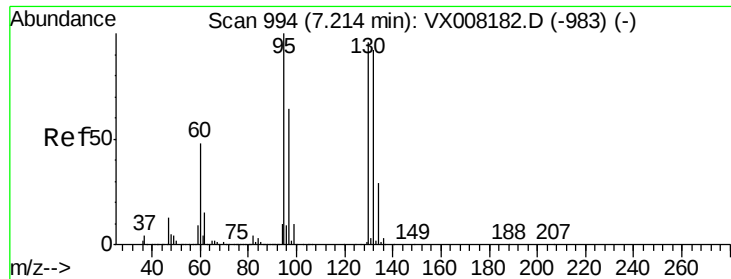


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.369 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

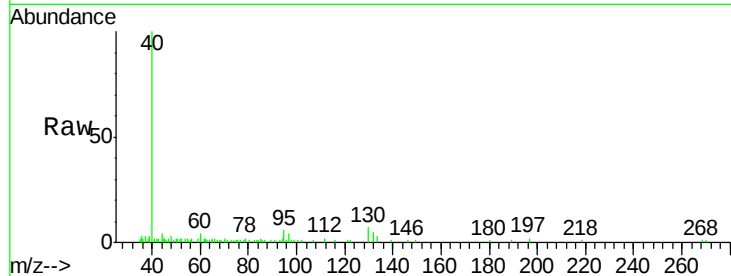
VX0321WBL02

Tot Ion:130 Resp: 960

Ion Ratio Lower Upper

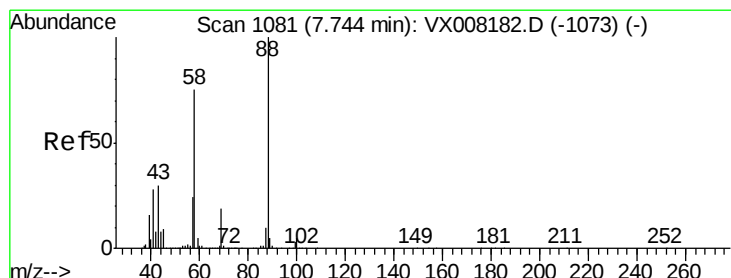
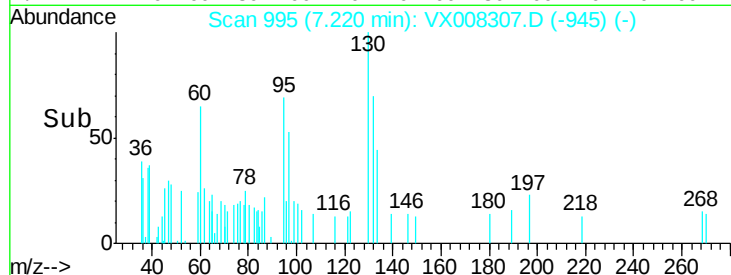
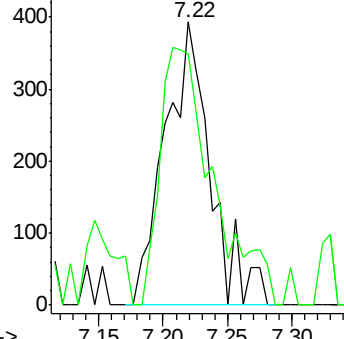
130 100

95 89.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.876 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

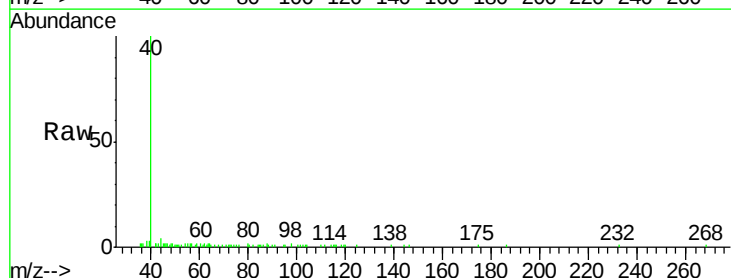
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 90.8 25.1 37.7#

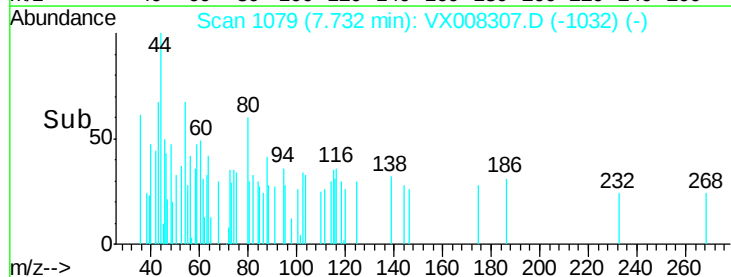
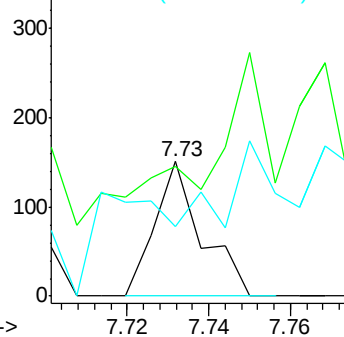
58 59.2 57.8 86.6

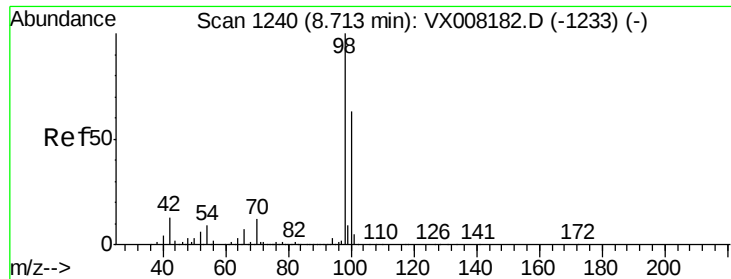


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

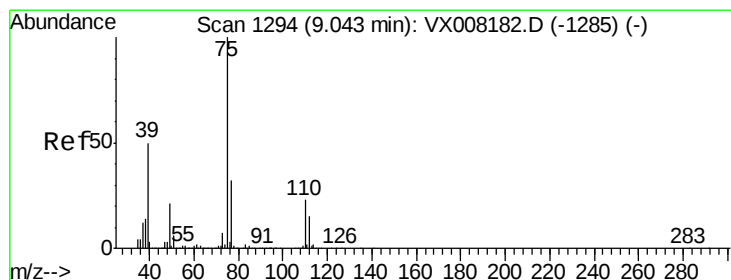
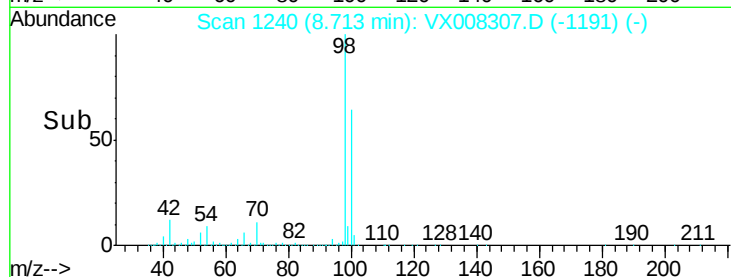
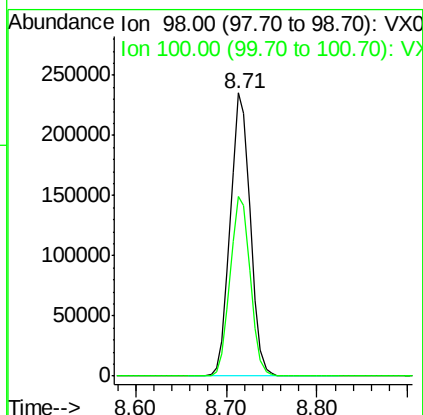
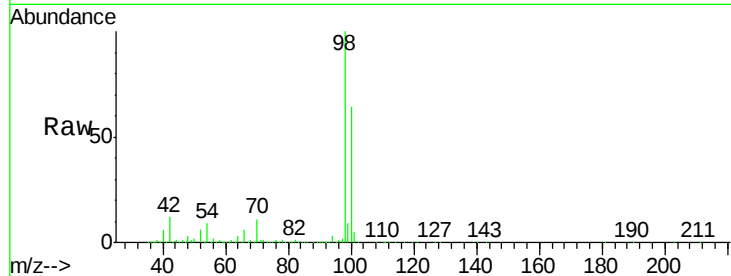




#50
Toluene-d8
Concen: 45.880 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

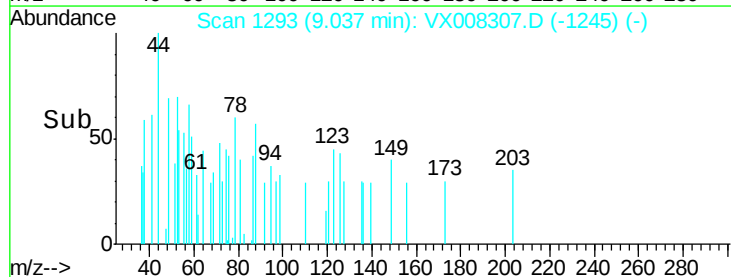
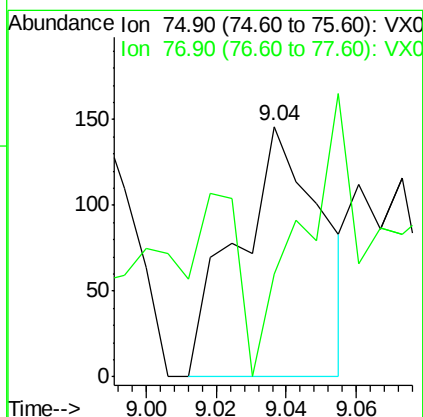
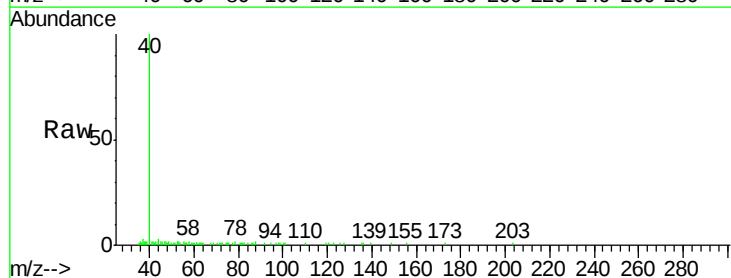
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL02

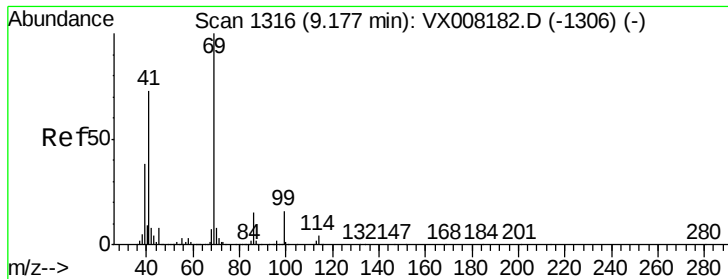
Tot Ion: 98 Resp: 359797
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.477 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

Tgt Ion: 75 Resp: 243
Ion Ratio Lower Upper
75 100
77 1.4 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.574 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

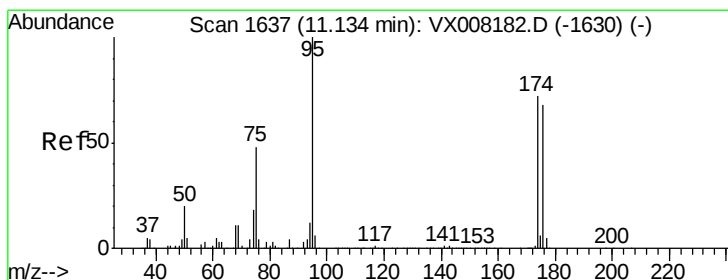
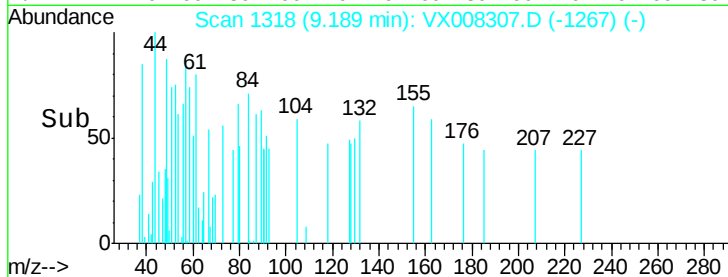
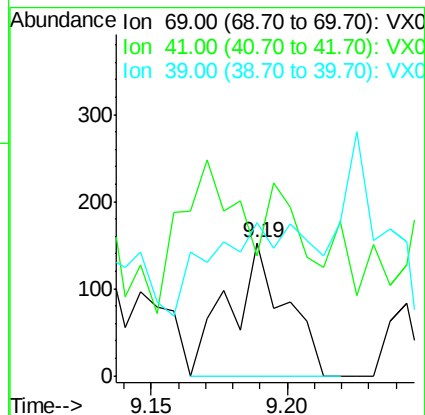
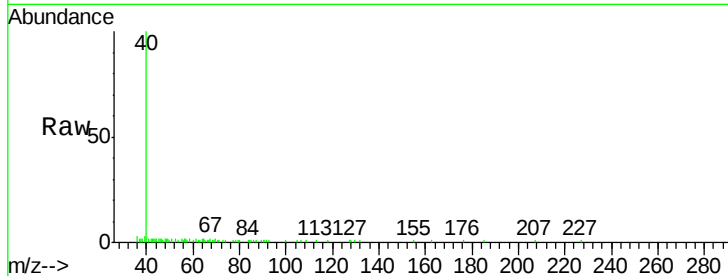
Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :
MSVOA_X
ClientSampled :
VX0321WBL02

Tot Ion: 69 Resp: 217

Ion	Ratio	Lower	Upper
69	100		
41	121.2	54.2	81.4#
39	126.3	25.0	37.4#



#62

4-Bromofluorobenzene

Concen: 42.802 ug/l

RT: 11.13 min Scan# 1637

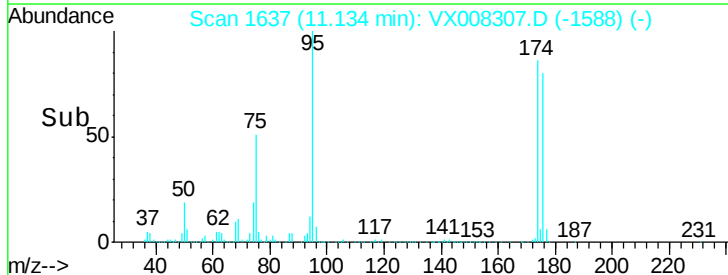
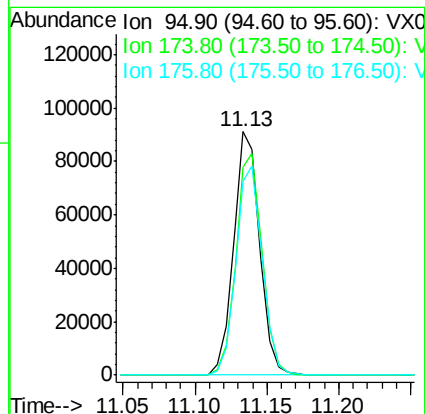
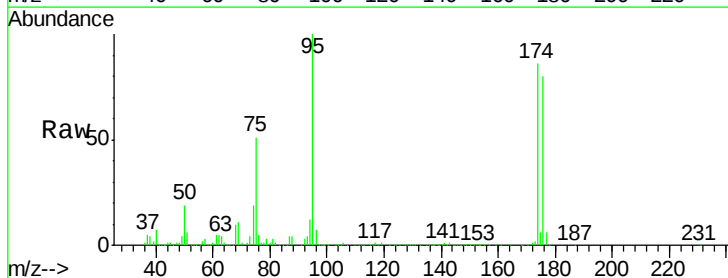
Delta R.T. -0.00 min

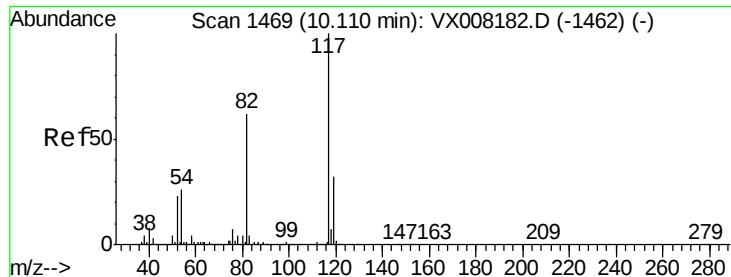
Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Tgt Ion: 95 Resp: 115576

Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	182.8
176	86.7	0.0	178.0

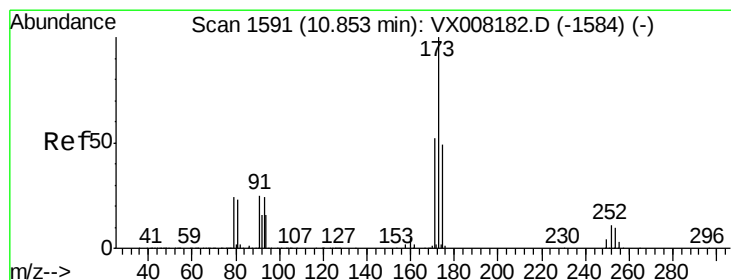
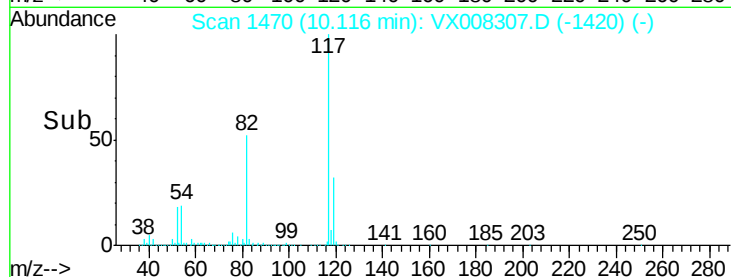
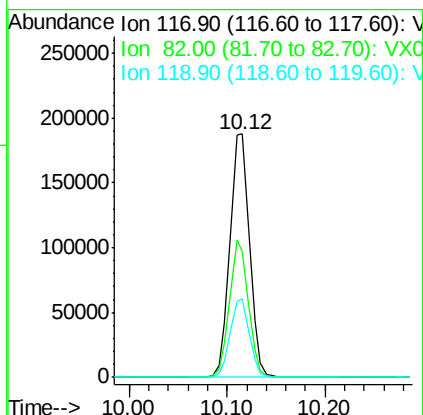
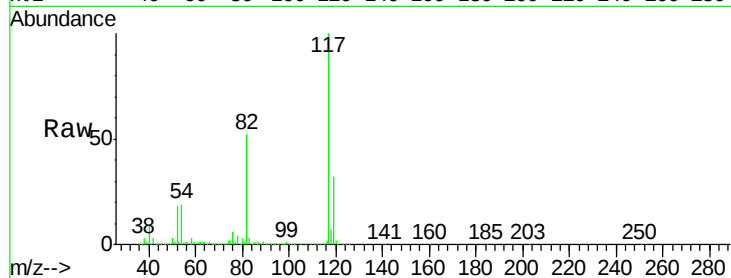




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

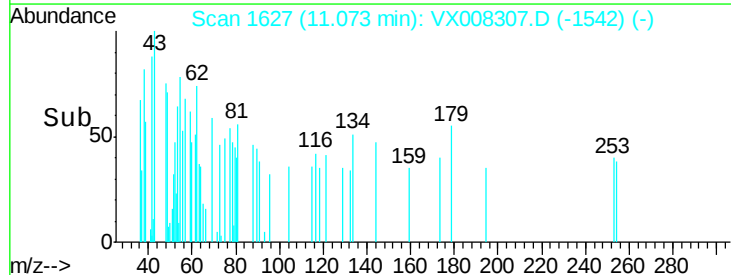
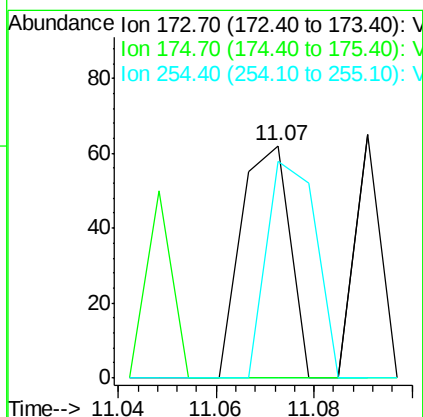
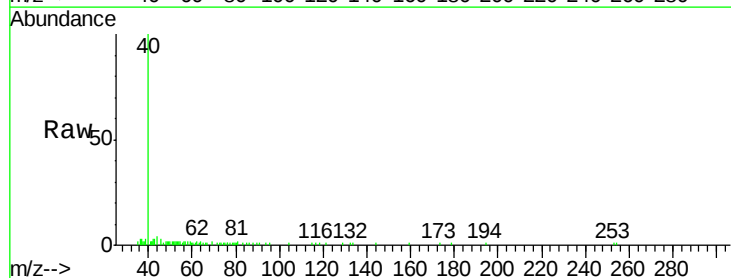
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL02

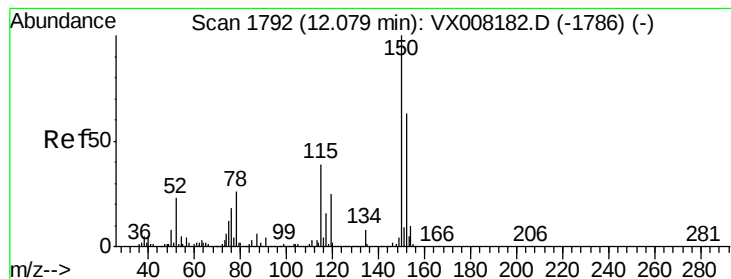
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.3	66.5
119	32.0	25.3	37.9



#71
Bromoform
Concen: 2.224 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.22 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.3	72.9#
254	93.0	0.1	0.1#



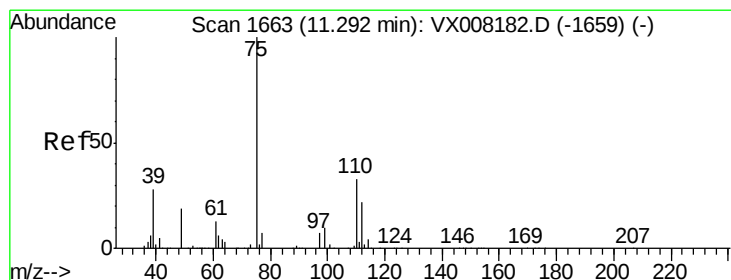
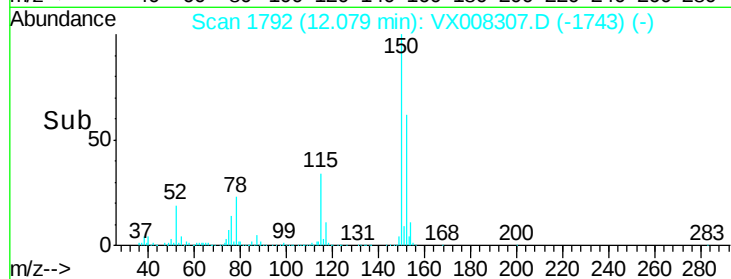
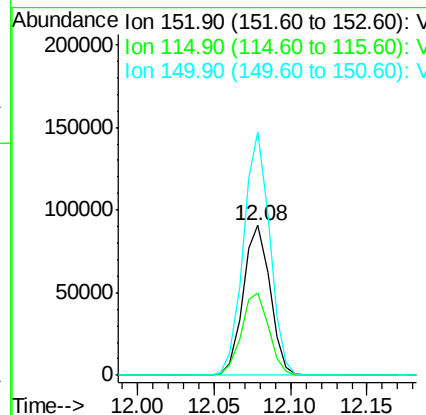
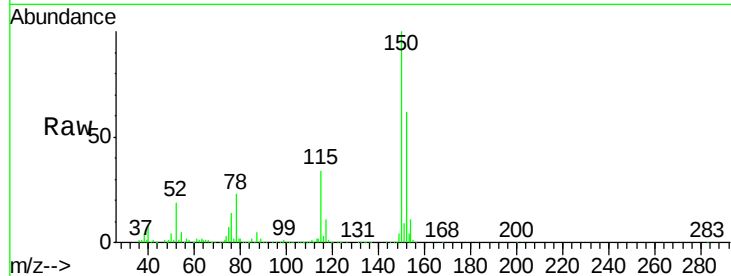


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL02

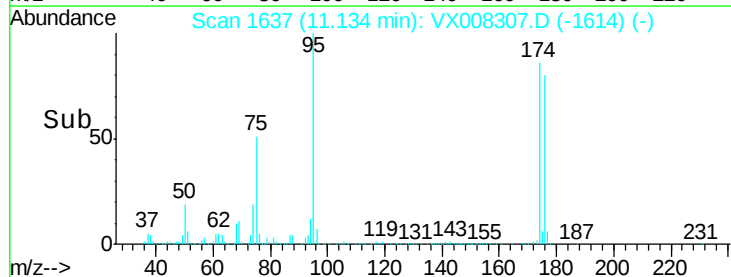
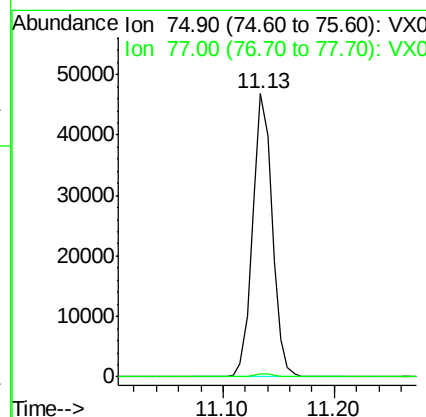
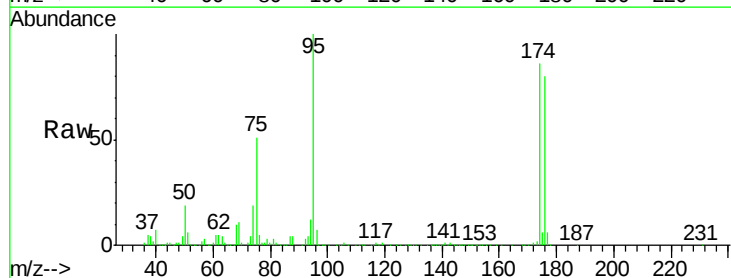
Tot Ion:152 Resp: 110579
Ion Ratio Lower Upper
152 100
115 55.9 38.6 115.7
150 158.7 0.0 348.4

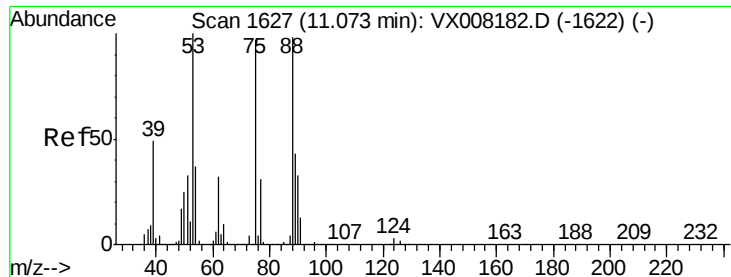


#76

1,2,3-Trichloropropane
Concen: 18.268 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008307.D
Acq: 21 Mar 2019 22:51

Tgt Ion: 75 Resp: 56817
Ion Ratio Lower Upper
75 100
77 1.6 18.9 56.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 46.670 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008307.D

Acq: 21 Mar 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL02

Tot Ion: 75 Resp: 56817

Ion Ratio Lower Upper

75 100

53 0.7 76.1 114.1#

89 0.0 36.3 54.5#

