

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011282.D
 Acq On : 02 Aug 2019 00:47
 Operator : JC/SP
 Sample : K4118-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ14911-20190731

Quant Time: Aug 02 02:10:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	134714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	217945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95557	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	72585	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	
35) Dibromofluoromethane	5.49	113	69646	48.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	265548	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	88266	46.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.06%	

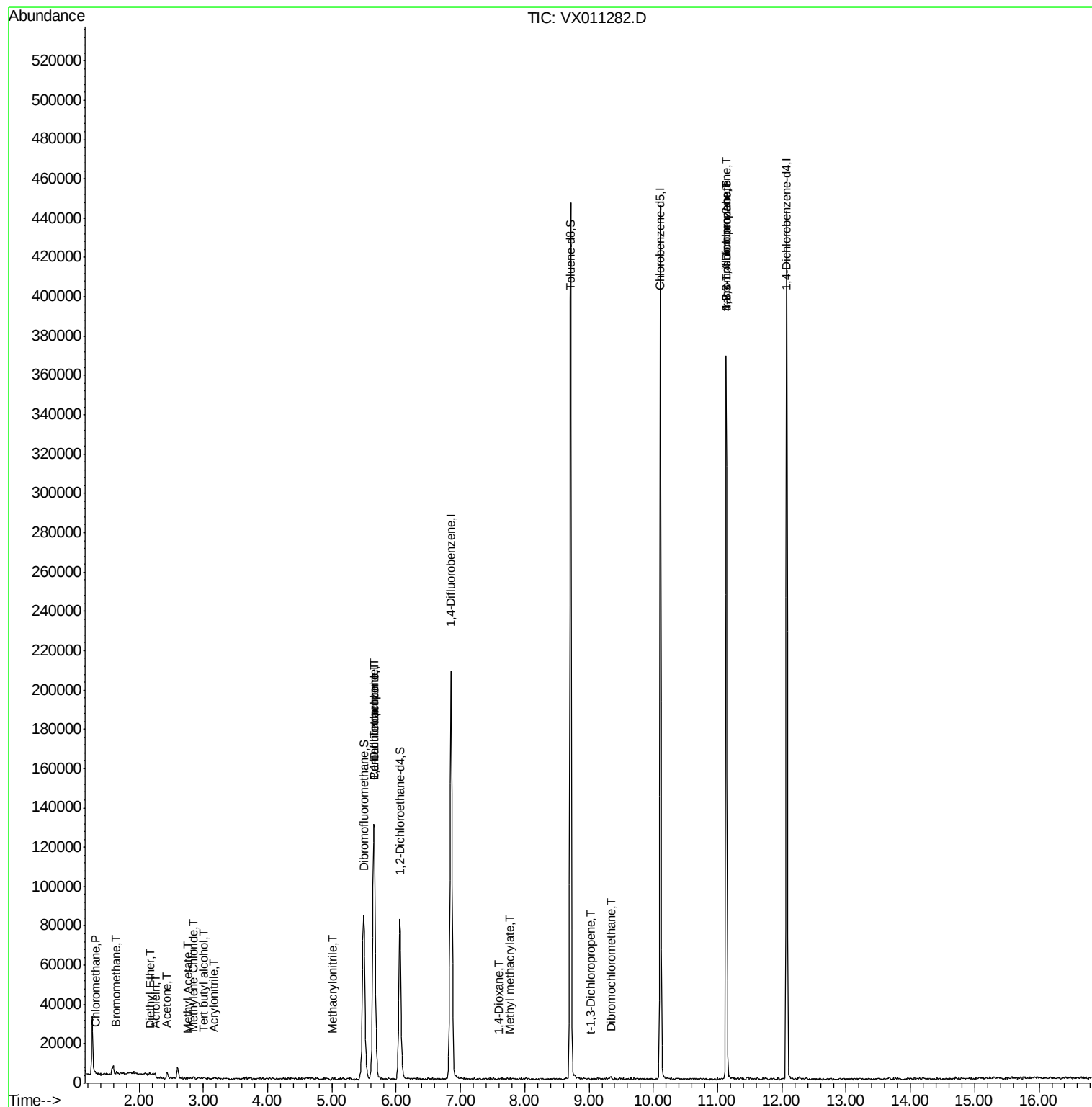
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	930	0.796	ug/l #	80
5) Bromomethane	1.65	94	566	0.617	ug/l	85
6) Chloroethane	1.70	64	487	Below Cal	#	43
8) Diethyl Ether	2.17	74	232	0.284	ug/l	80
11) Tert butyl alcohol	3.01	59	591	2.207	ug/l #	84
13) Acrolein	2.26	56	109	0.226	ug/l #	15
15) Acrylonitrile	3.16	53	178	0.276	ug/l #	36
16) Acetone	2.43	43	3169	4.908	ug/l	97
18) Methyl Acetate	2.76	43	310	0.210	ug/l	91
20) Methylene Chloride	2.84	84	365	0.258	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	8538	4.487	ug/l #	50
38) Carbon Tetrachloride	5.66	117	12402	6.478	ug/l #	14
41) Methacrylonitrile	5.01	41	214	0.205	ug/l #	47
48) Methyl methacrylate	7.76	41	307	0.214	ug/l #	40
49) 1,4-Dioxane	7.60	88	20	0.480	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	22	2.848	ug/l #	43
60) Dibromochloromethane	9.34	129	323	0.204	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	43129	24.784	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	43129	64.714	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080119\
Data File : VX011282.D
Acq On : 02 Aug 2019 00:47
Operator : JC/SP
Sample : K4118-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ14911-20190731

Quant Time: Aug 02 02:10:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

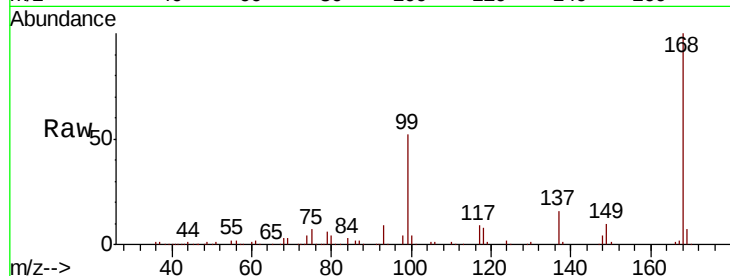
SA-PZ149I1-20190731

Tot Ion:168 Resp: 134714

Ion Ratio Lower Upper

168 100

99 51.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

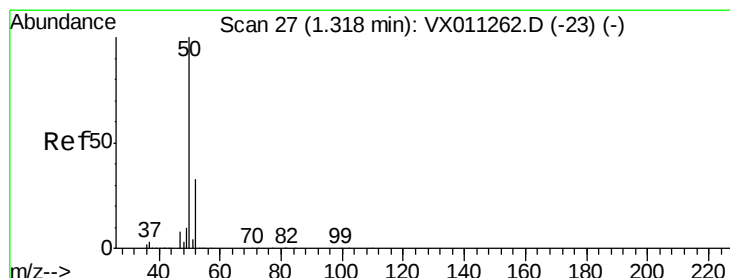
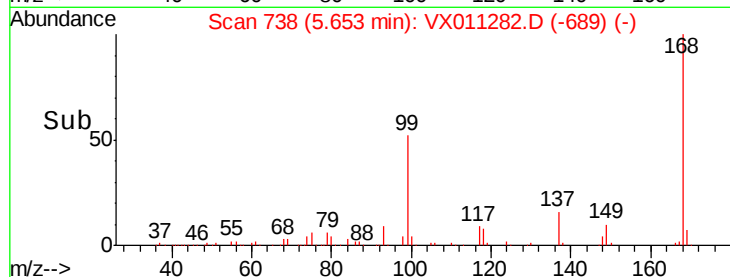
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.796 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011282.D

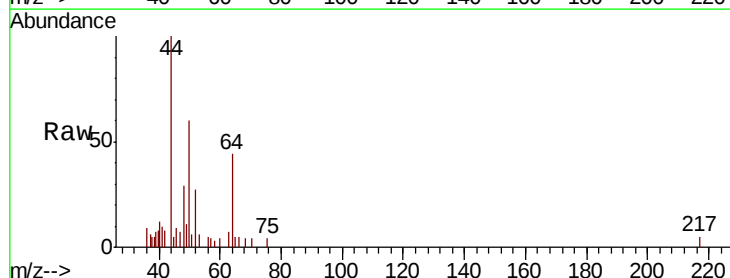
Acq: 02 Aug 2019 00:47

Tgt Ion: 50 Resp: 930

Ion Ratio Lower Upper

50 100

52 44.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

600

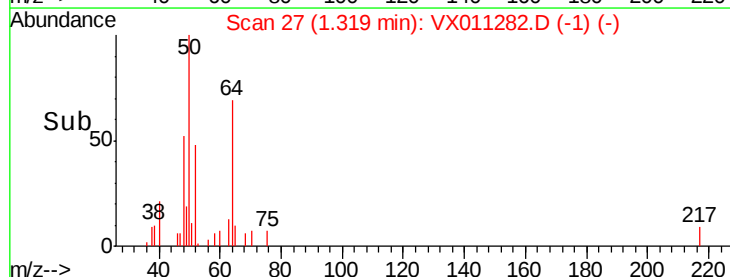
400

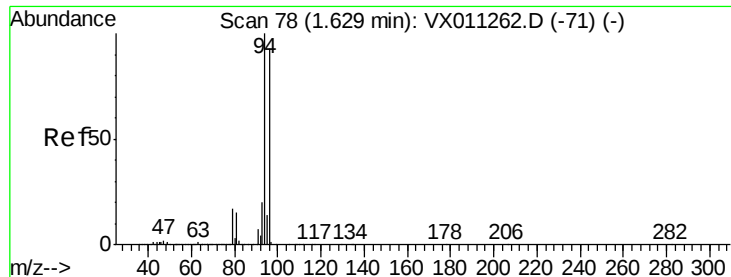
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.617 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

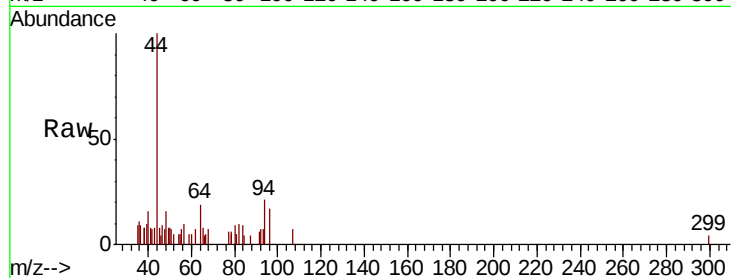
SA-PZ14911-20190731

Tot Ion: 94 Resp: 566

Ion Ratio Lower Upper

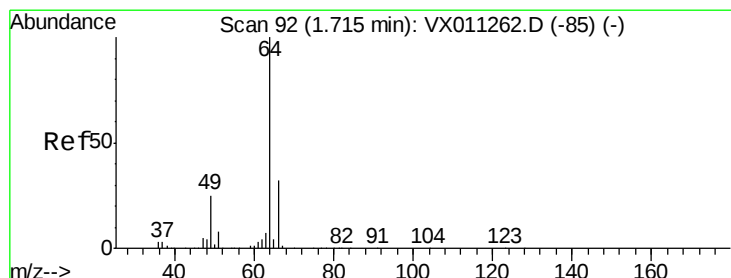
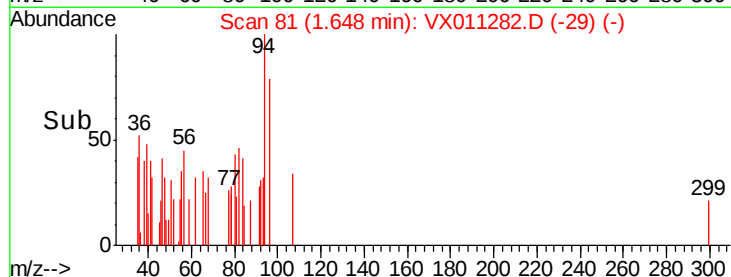
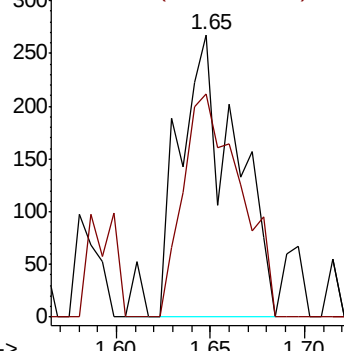
94 100

96 79.1 74.6 112.0



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: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011282.D

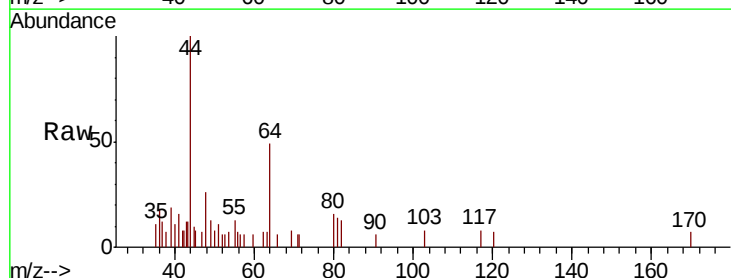
Acq: 02 Aug 2019 00:47

Tgt Ion: 64 Resp: 487

Ion Ratio Lower Upper

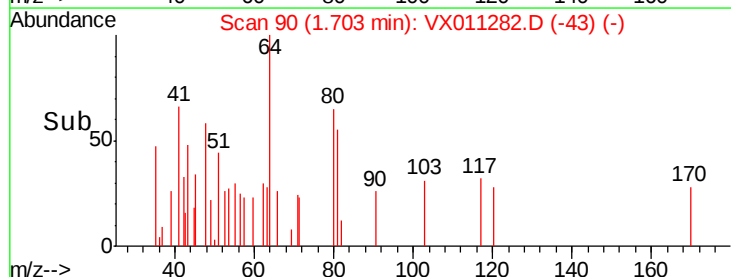
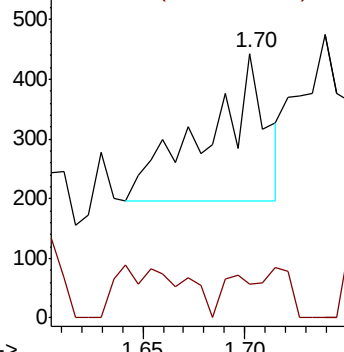
64 100

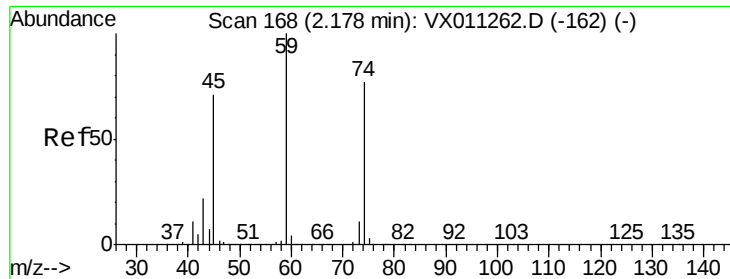
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.284 ug/l

RT: 2.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

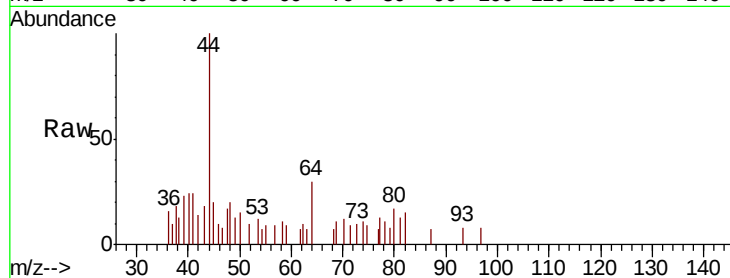
SA-PZ14911-20190731

Tot Ion: 74 Resp: 232

Ion Ratio Lower Upper

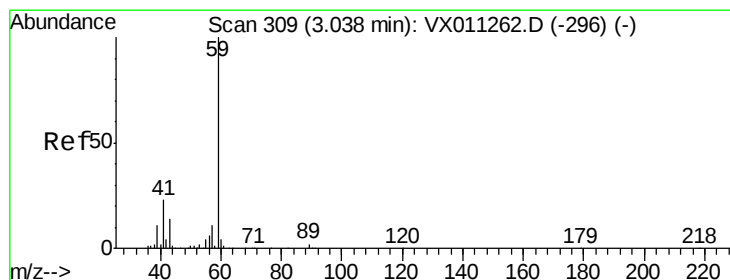
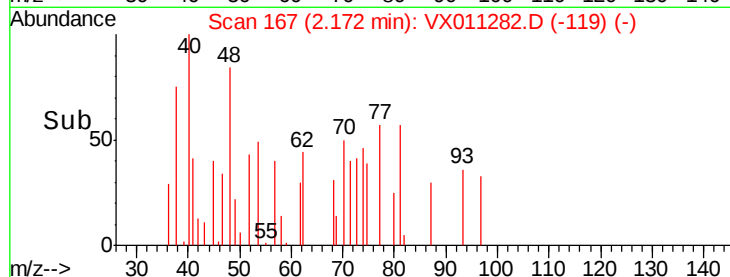
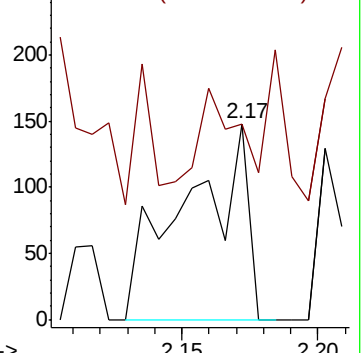
74 100

45 72.8 46.1 138.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.207 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011282.D

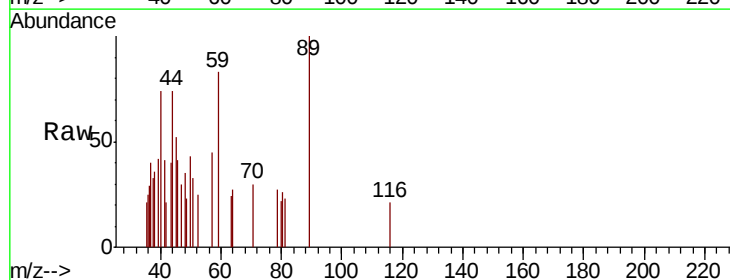
Acq: 02 Aug 2019 00:47

Tgt Ion: 59 Resp: 591

Ion Ratio Lower Upper

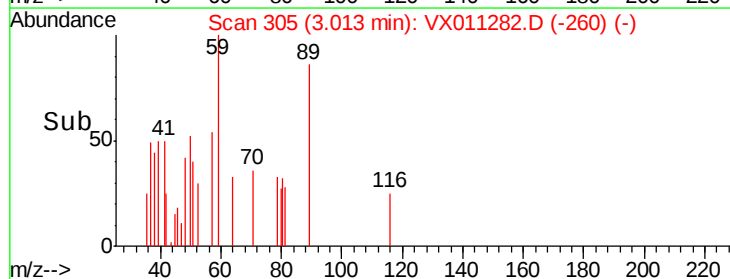
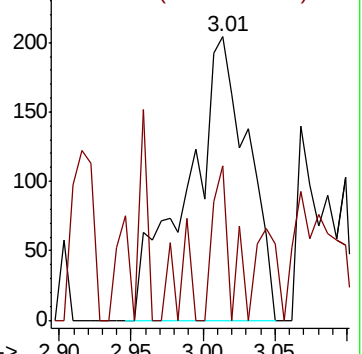
59 100

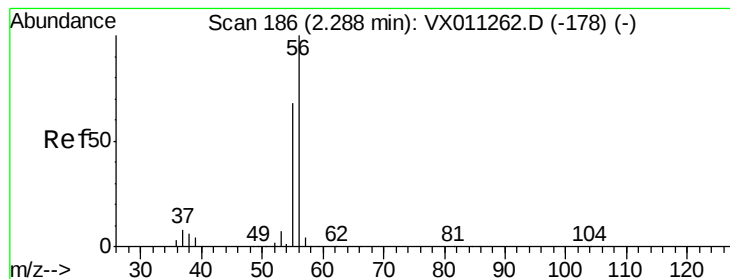
57 16.4 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.226 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

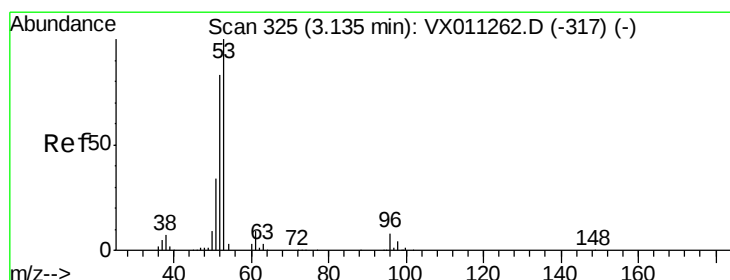
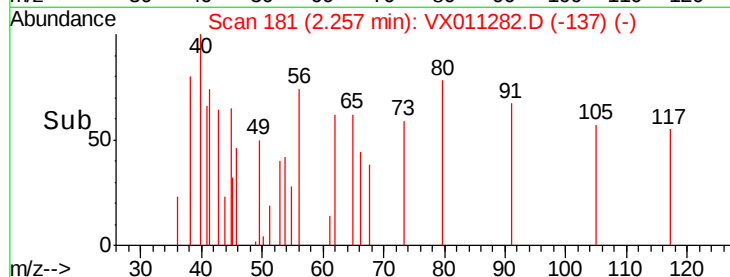
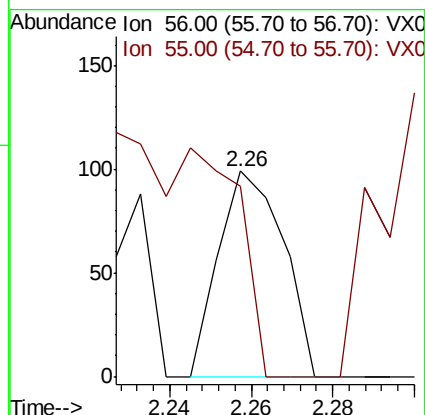
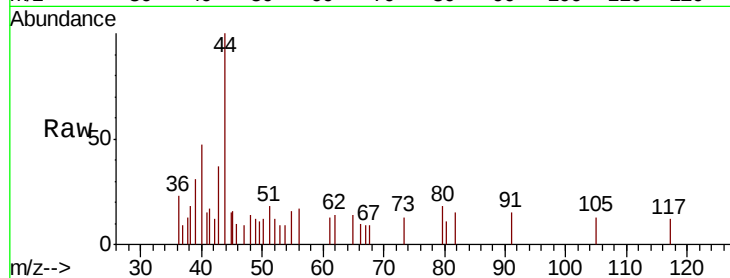
SA-PZ14911-20190731

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

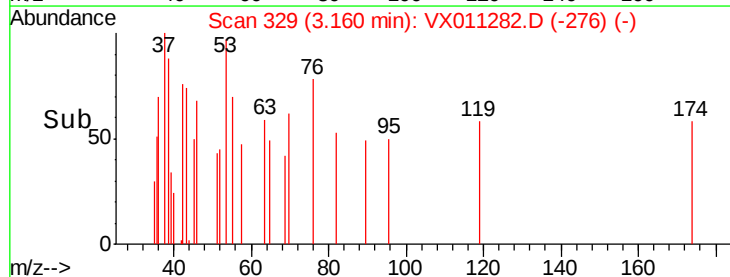
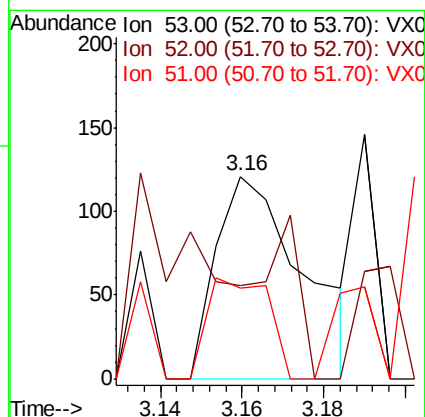
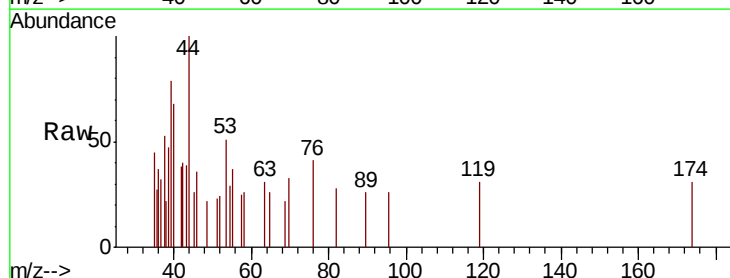
Tgt Ion: 53 Resp: 178

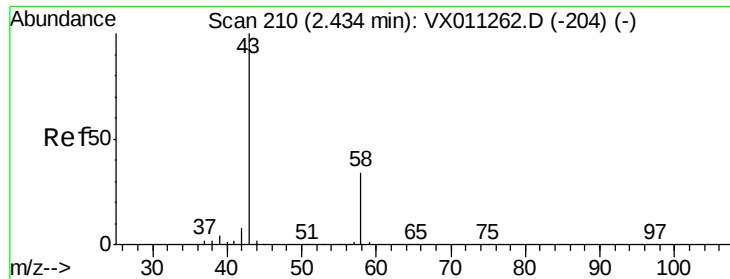
Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 34.8 27.9 41.9





#16

Acetone

Concen: 4.908 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

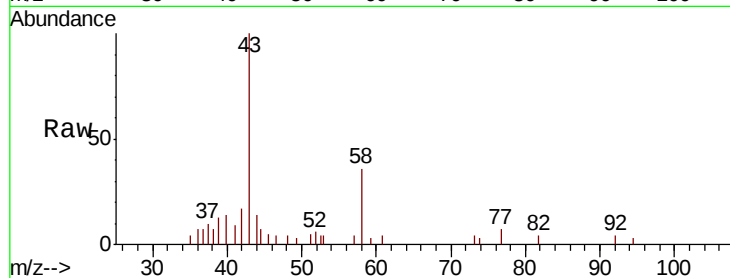
SA-PZ14911-20190731

Tot Ion: 43 Resp: 3169

Ion Ratio Lower Upper

43 100

58 35.9 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1500

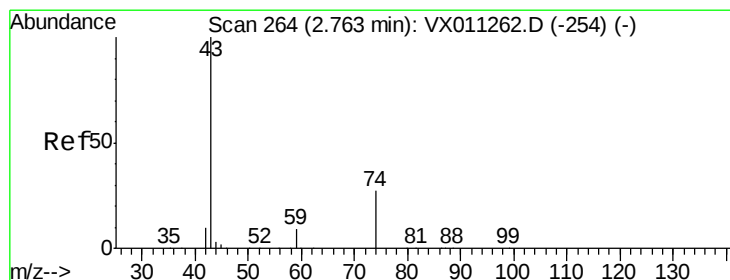
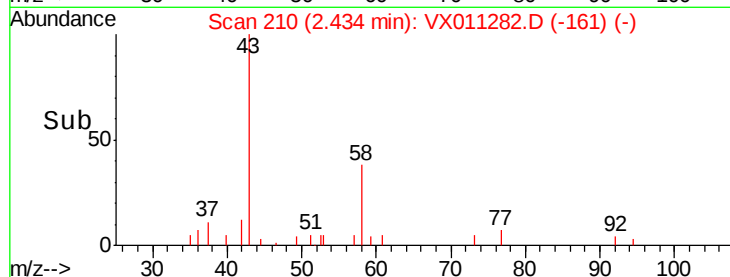
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.210 ug/l

RT: 2.76 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX011282.D

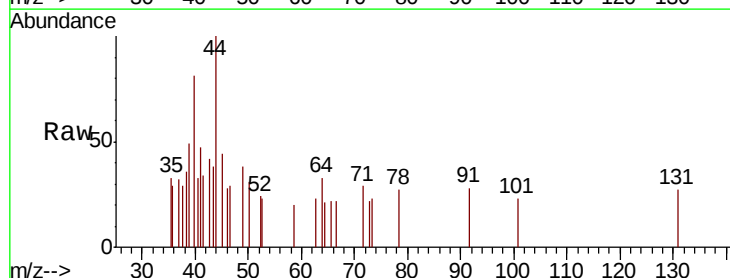
Acq: 02 Aug 2019 00:47

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

74 31.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

200

150

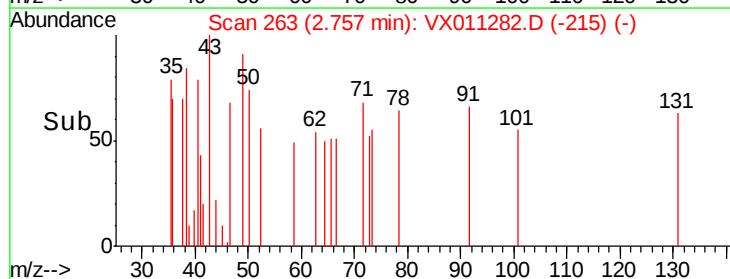
100

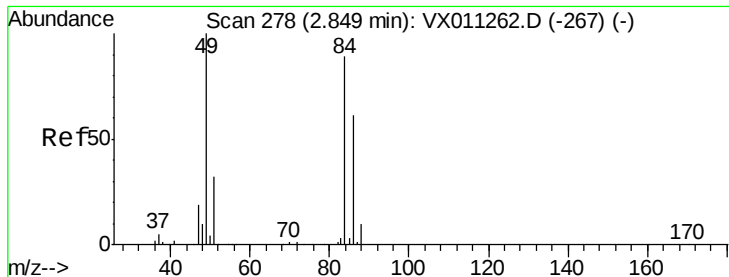
50

0

2.72 2.74 2.76 2.78 2.80

Time-->

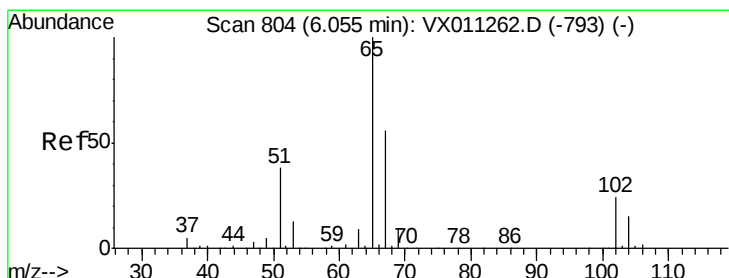
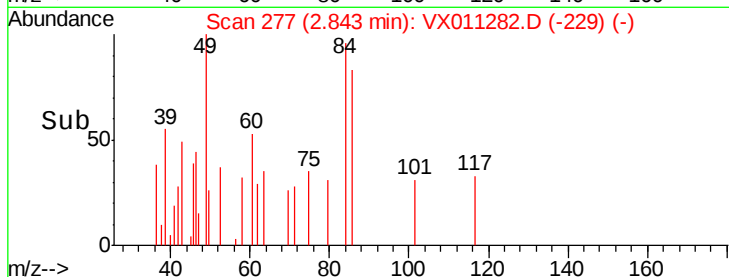
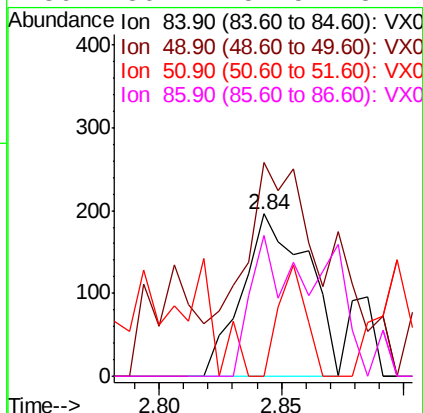
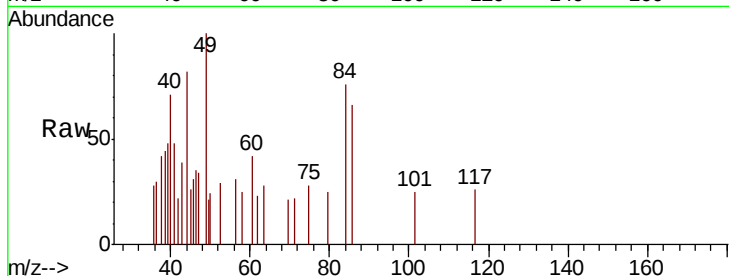




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

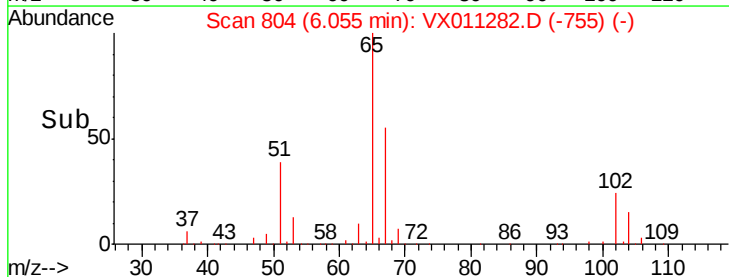
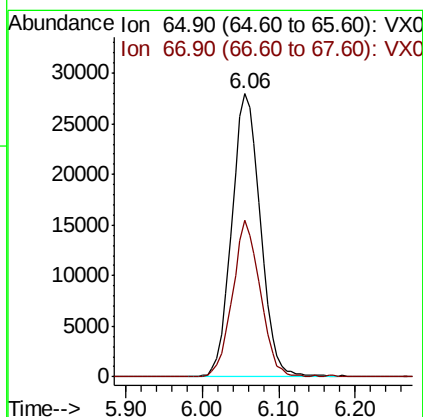
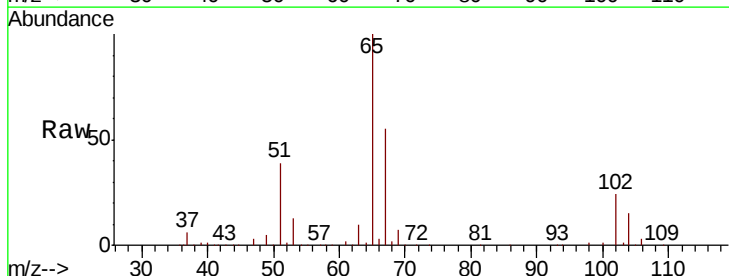
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ149I1-20190731

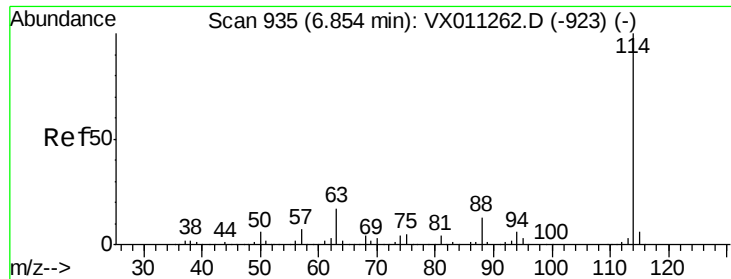
Tot Ion: 84 Resp: 365
Ion Ratio Lower Upper
84 100
49 115.3 89.3 133.9
51 0.0 28.3 42.5#
86 86.7 54.5 81.7#



#33
1,2-Dichloroethane-d4
Concen: 53.503 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

Tgt Ion: 65 Resp: 72585
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.6

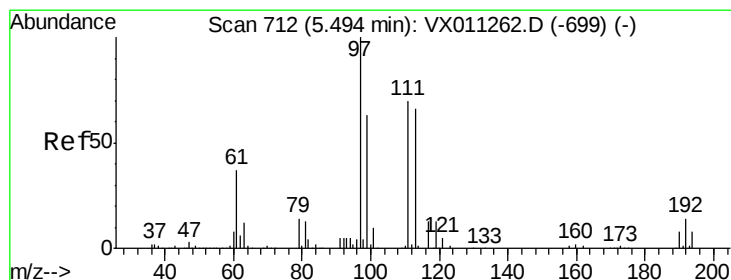
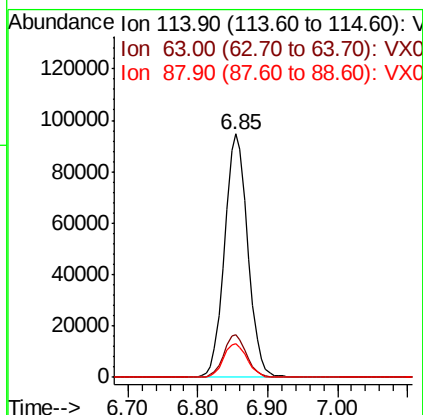
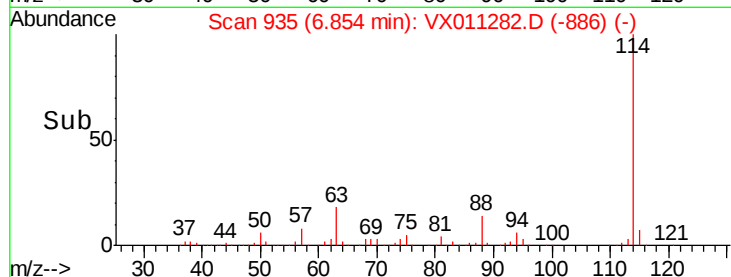
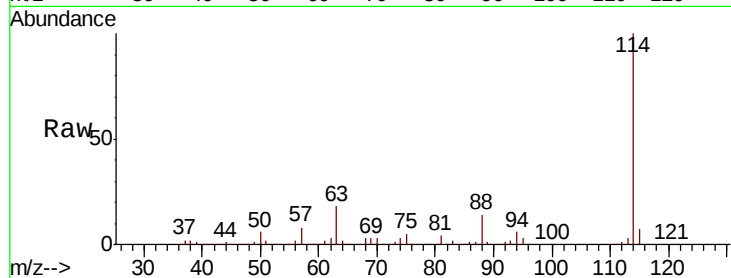




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011282.D
 Acq: 02 Aug 2019 00:47

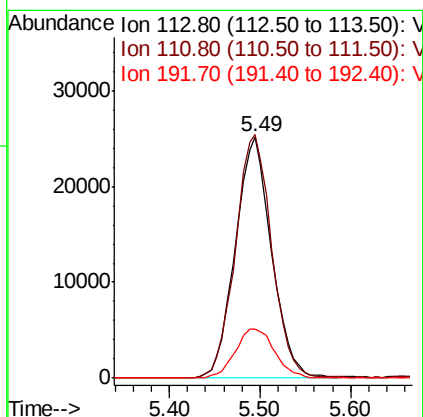
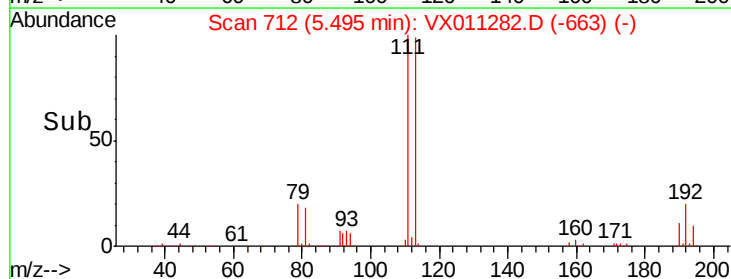
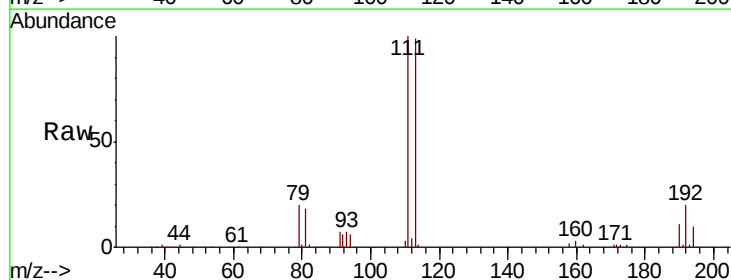
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ14911-20190731

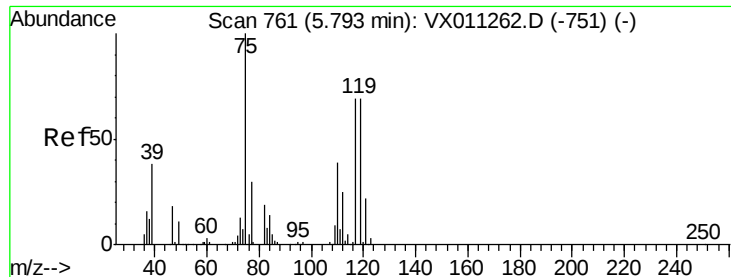
Tot Ion:114 Resp: 217945
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 14.0 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 48.946 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011282.D
 Acq: 02 Aug 2019 00:47

Tgt Ion:113 Resp: 69646
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 21.9 17.8 26.8





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ14911-20190731

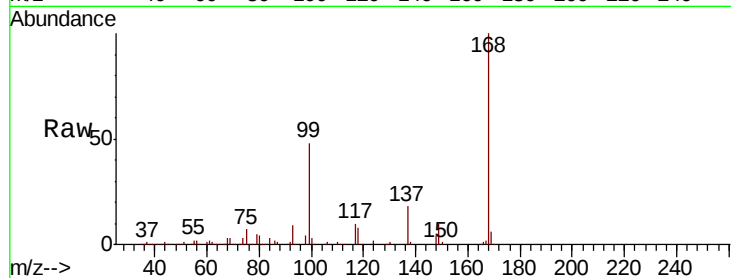
Tot Ion: 75 Resp: 8538

Ion Ratio Lower Upper

75 100

110 10.4 20.0 59.9#

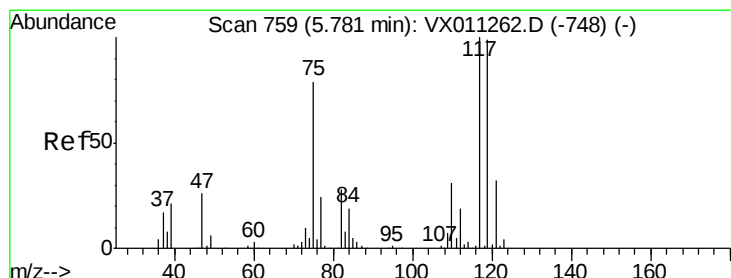
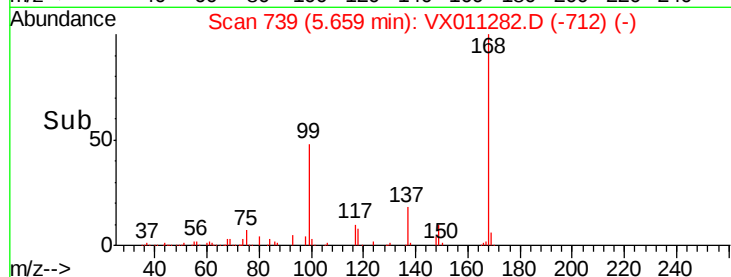
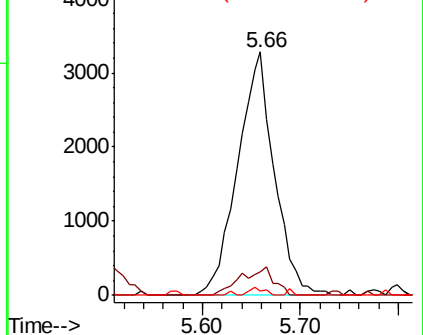
77 1.3 24.8 37.2#



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: 6.478 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

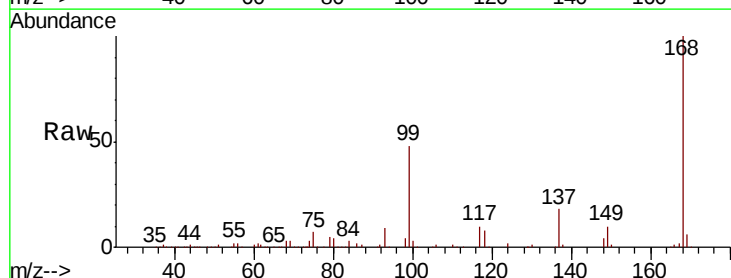
Tgt Ion: 117 Resp: 12402

Ion Ratio Lower Upper

117 100

119 4.5 79.0 118.4#

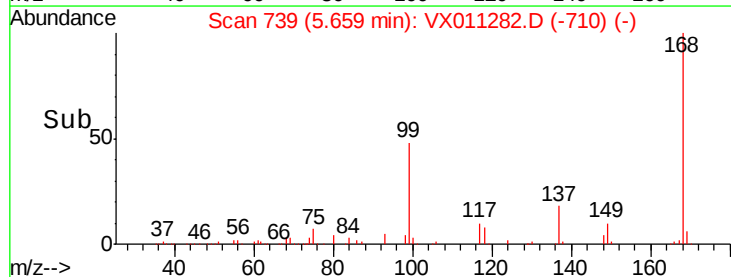
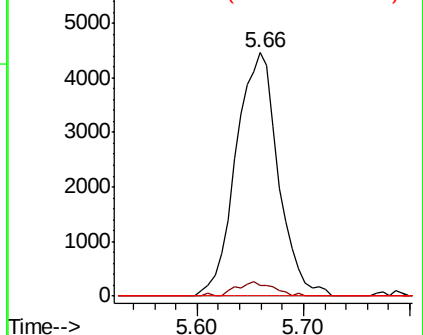
121 0.0 25.9 38.9#

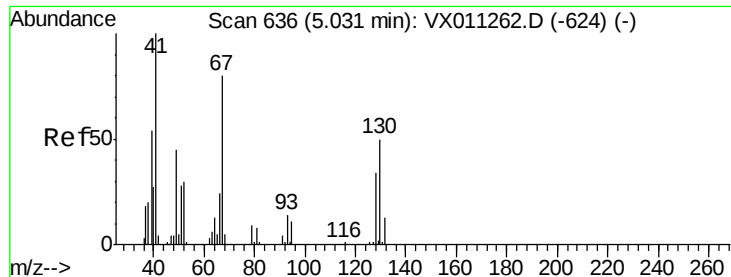


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.205 ug/l

RT: 5.01 min Scan# 632

Delta R.T. -0.02 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ14911-20190731

Tot Ion: 41 Resp: 214

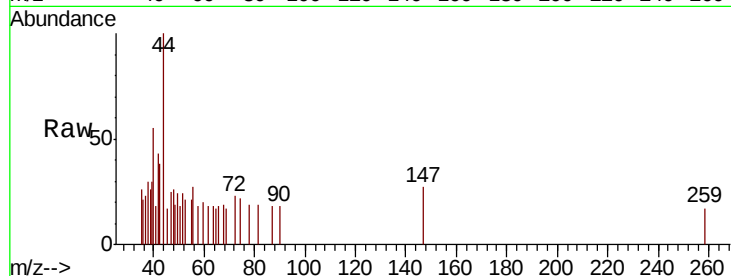
Ion Ratio Lower Upper

41 100

39 64.5 43.0 64.6

67 0.0 65.1 97.7#

52 21.5 24.8 37.2#

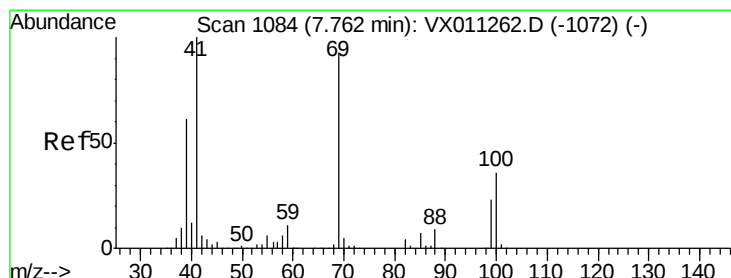
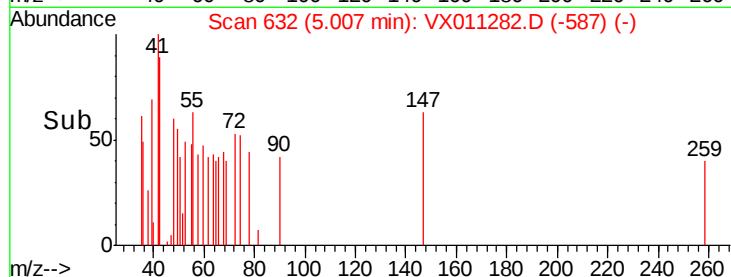
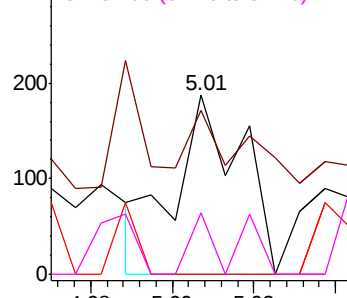


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#48

Methyl methacrylate

Concen: 0.214 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

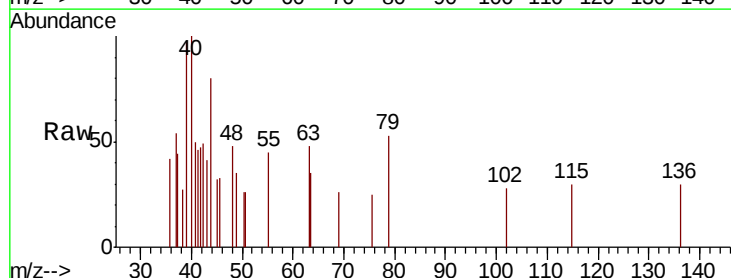
Tgt Ion: 41 Resp: 307

Ion Ratio Lower Upper

41 100

69 32.6 74.5 111.7#

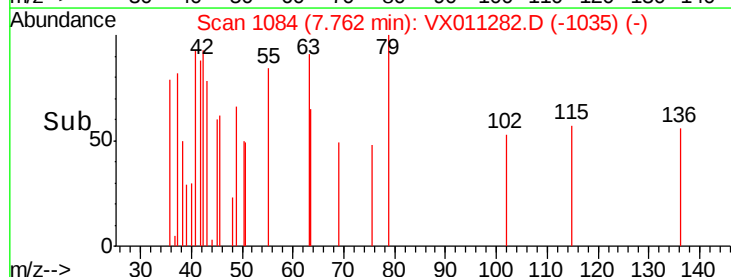
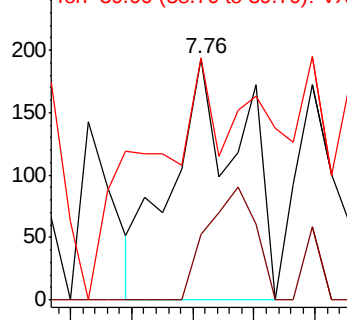
39 102.3 48.6 72.8#

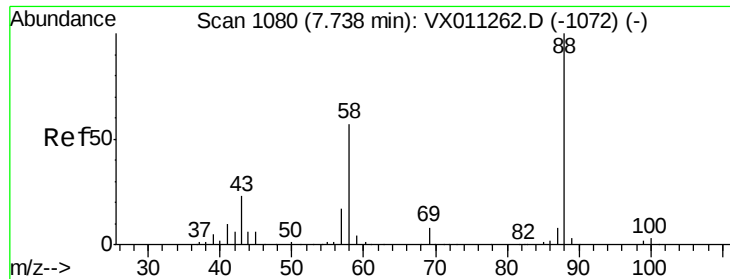


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

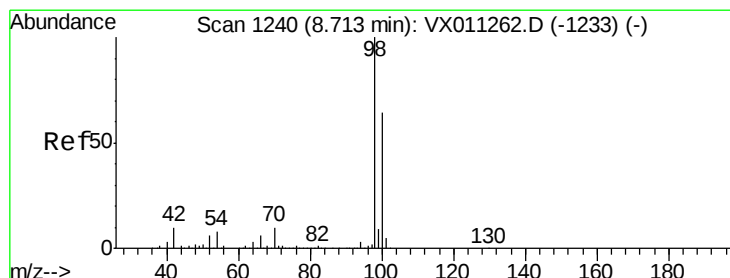
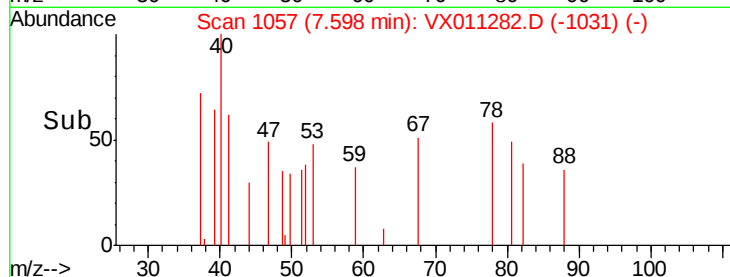
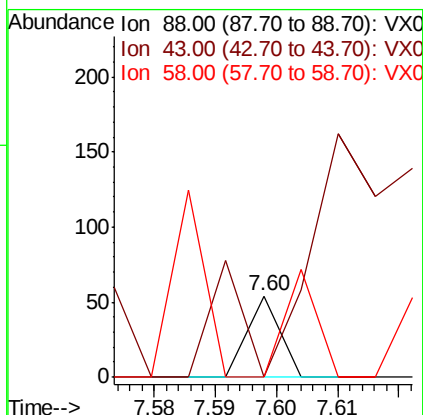
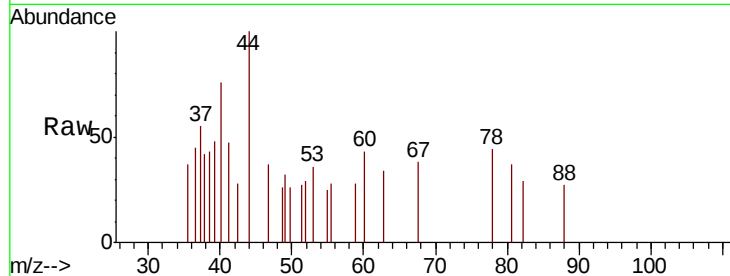




#49
 1,4-Dioxane
 Concen: 0.480 ug/l
 RT: 7.60 min Scan# 1057
 Delta R.T. -0.14 min
 Lab File: VX011282.D
 Acq: 02 Aug 2019 00:47

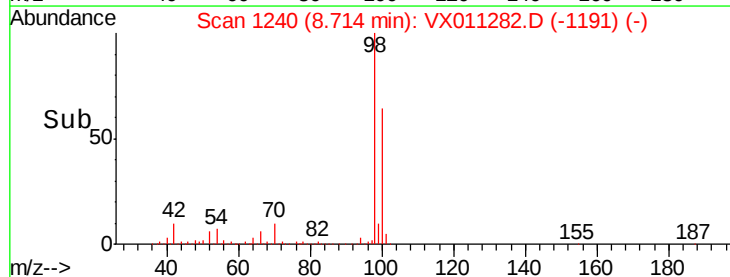
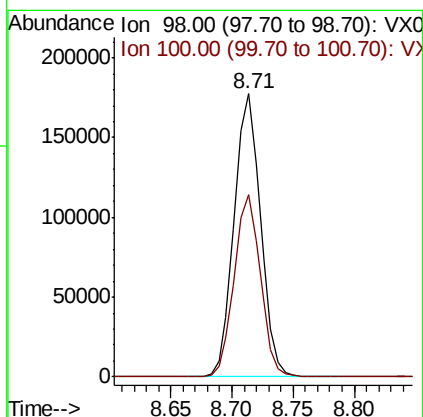
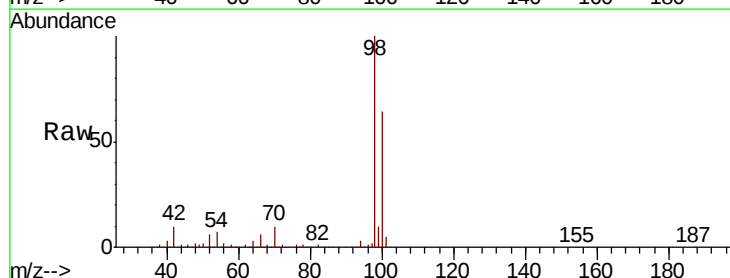
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ14911-20190731

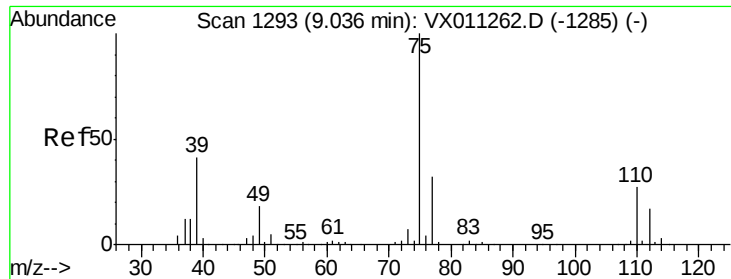
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 1565.0 22.2 33.2#
 58 130.0 47.8 71.8#



#50
 Toluene-d8
 Concen: 49.440 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011282.D
 Acq: 02 Aug 2019 00:47

Tgt Ion: 98 Resp: 265548
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.7 77.5

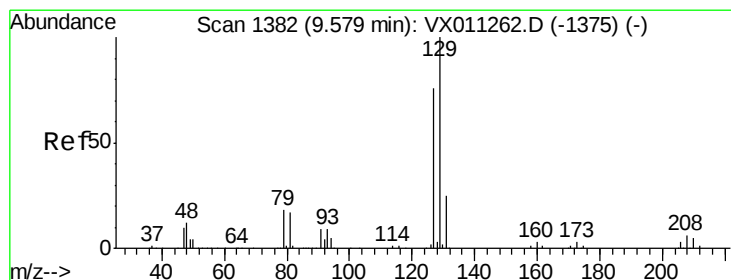
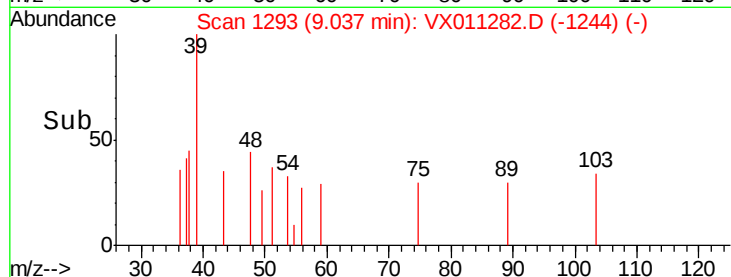
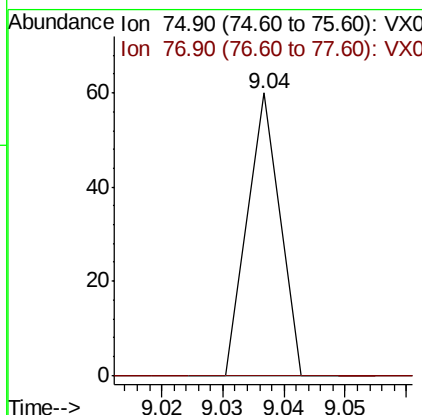
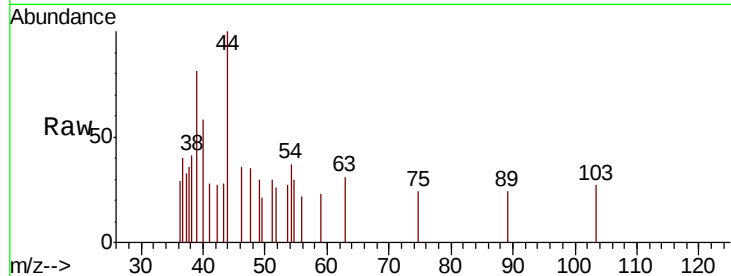




#53
t-1,3-Dichloropropene
Concen: 2.848 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

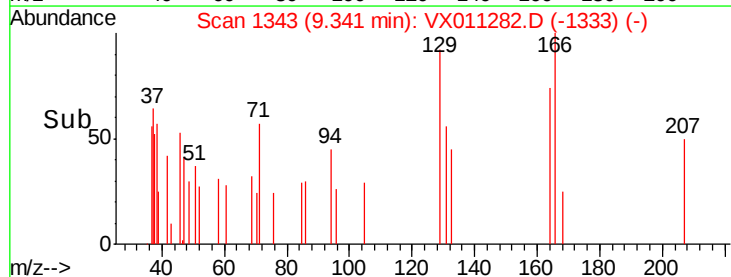
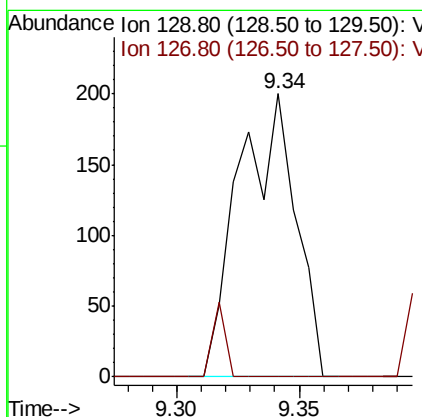
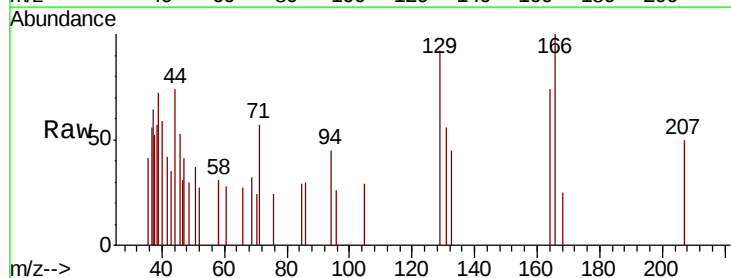
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ14911-20190731

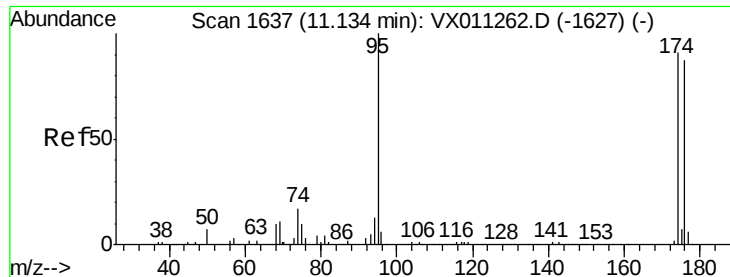
Tot Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#60
Dibromochloromethane
Concen: 0.204 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. -0.24 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

Tgt Ion:129 Resp: 323
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

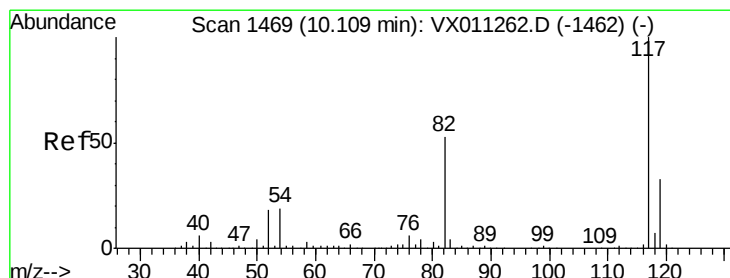
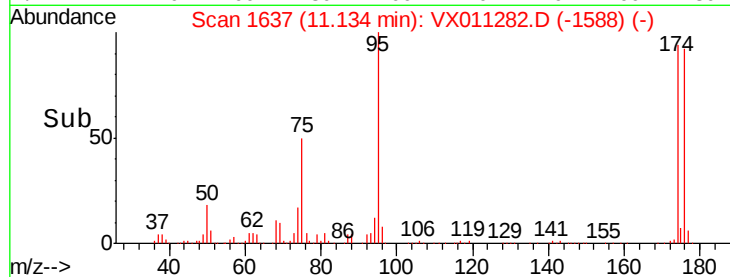
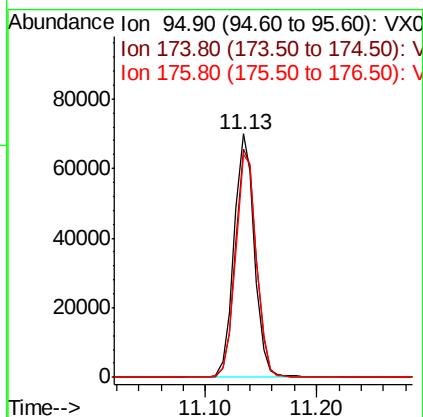
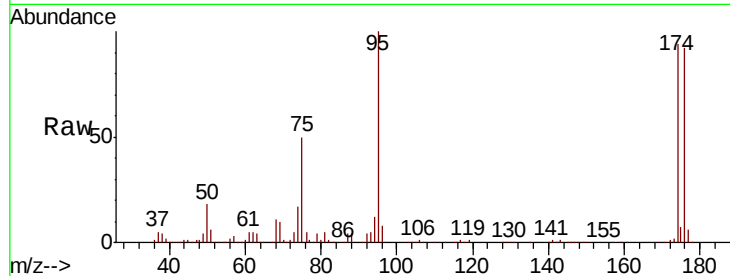




#62
4-Bromofluorobenzene
Concen: 46.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

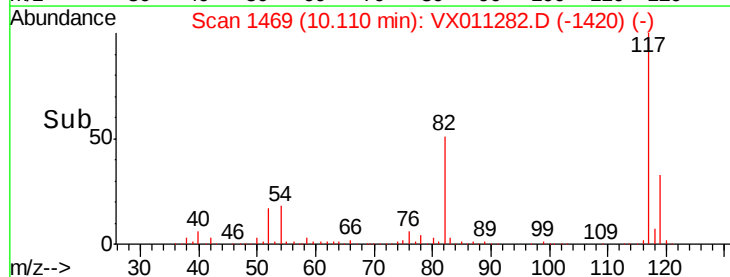
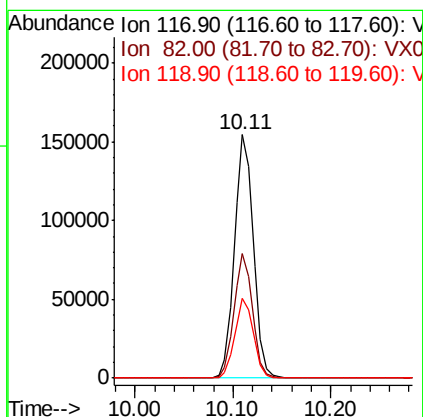
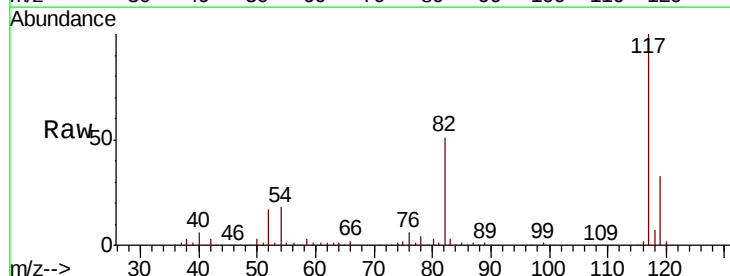
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ14911-20190731

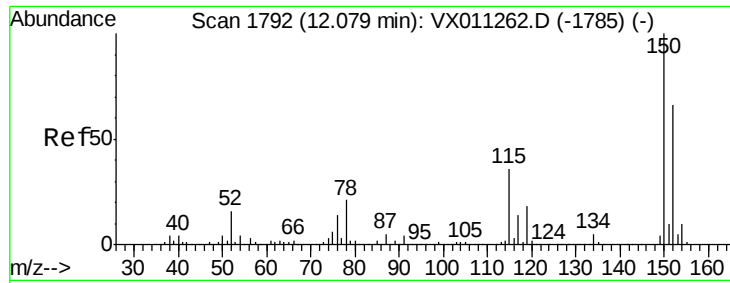
Tot Ion: 95 Resp: 88266
Ion Ratio Lower Upper
95 100
174 95.7 0.0 191.2
176 94.0 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

Tgt Ion: 117 Resp: 207112
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 32.6 26.6 39.8



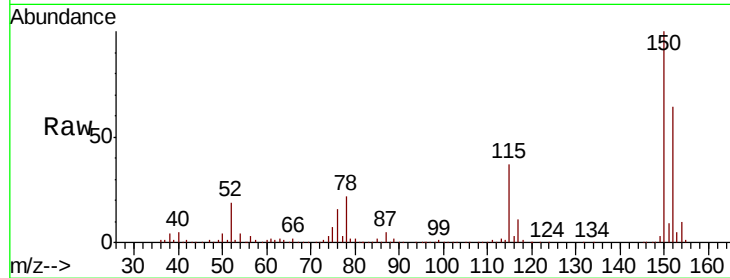


#72

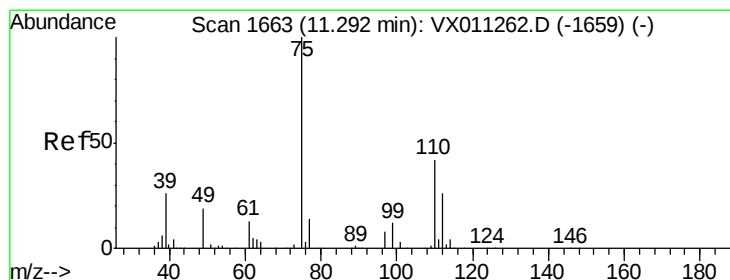
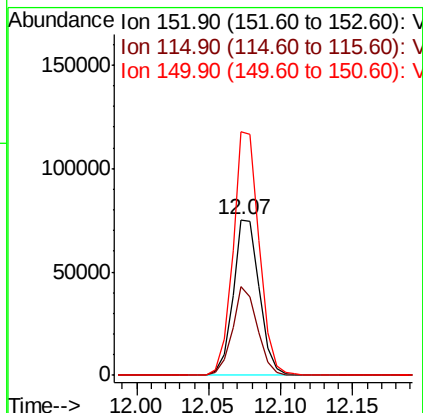
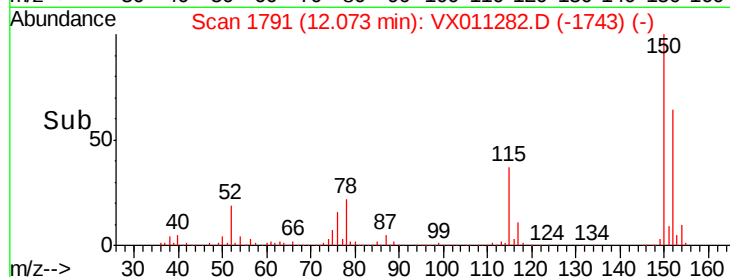
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ14911-20190731

Tot Ion:152 Resp: 95557
Ion Ratio Lower Upper
152 100
115 54.3 40.0 119.9
150 157.0 0.0 350.4



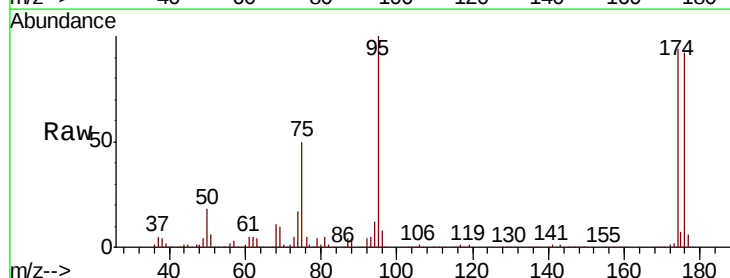
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



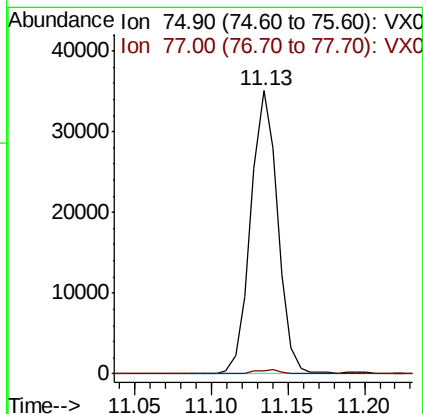
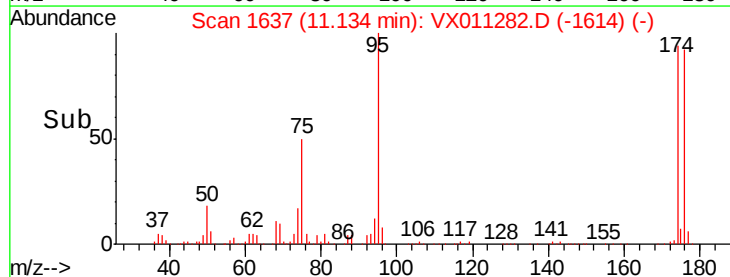
#76

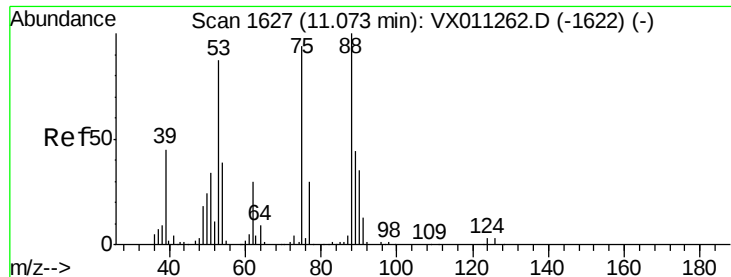
1,2,3-Trichloropropane
Concen: 24.784 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011282.D
Acq: 02 Aug 2019 00:47

Tgt Ion: 75 Resp: 43129
Ion Ratio Lower Upper
75 100
77 1.5 21.1 63.4#



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: 64.714 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011282.D

Acq: 02 Aug 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ14911-20190731

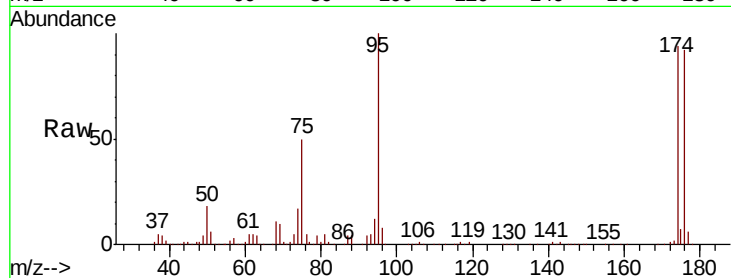
Tot Ion: 75 Resp: 43129

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#



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

