

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011271.D
 Acq On : 01 Aug 2019 20:30
 Operator : JC/SP
 Sample : K4118-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127S-20190730

Quant Time: Aug 02 02:07:39 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	5.66	168	143604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99547	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	74650	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	5.49	113	72186	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	279014	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	92296	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

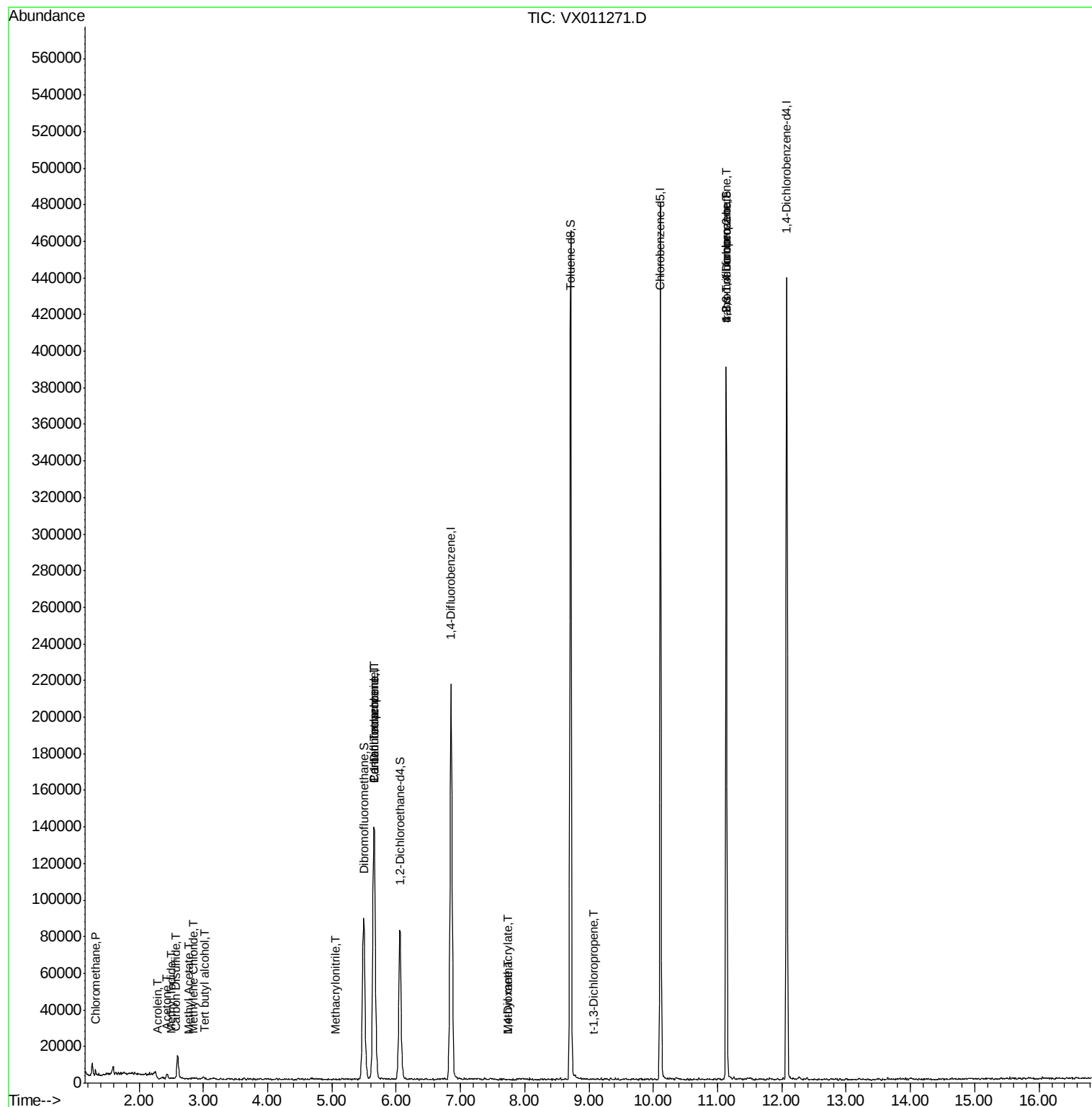
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1686	1.354	ug/l #	83
6) Chloroethane	1.71	64	135	Below Cal	#	88
10) Methyl Iodide	2.51	142	563	0.339	ug/l #	89
11) Tert butyl alcohol	3.01	59	801	2.800	ug/l	96
13) Acrolein	2.29	56	156	0.449	ug/l #	58
16) Acetone	2.43	43	3139	4.560	ug/l	97
17) Carbon Disulfide	2.57	76	849	0.277	ug/l #	58
18) Methyl Acetate	2.78	43	369	0.235	ug/l #	59
20) Methylene Chloride	2.85	84	342	0.227	ug/l #	72
36) 1,1-Dichloropropene	5.65	75	9079	4.513	ug/l #	50
38) Carbon Tetrachloride	5.65	117	13040	6.443	ug/l #	16
41) Methacrylonitrile	5.04	41	282	0.256	ug/l #	26
48) Methyl methacrylate	7.74	41	387	0.255	ug/l #	10
49) 1,4-Dioxane	7.74	88	23	0.523	ug/l #	1
53) t-1,3-Dichloropropene	9.07	75	134	2.895	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	45474	25.084	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	45474	65.443	ug/l #	10

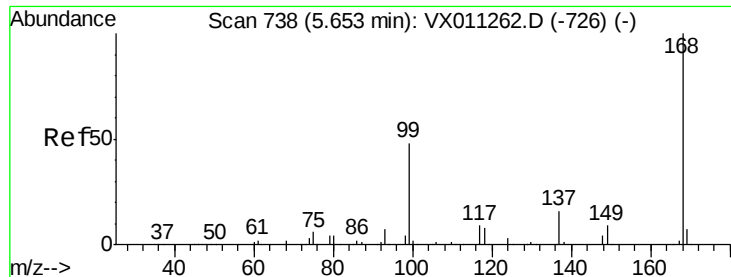
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

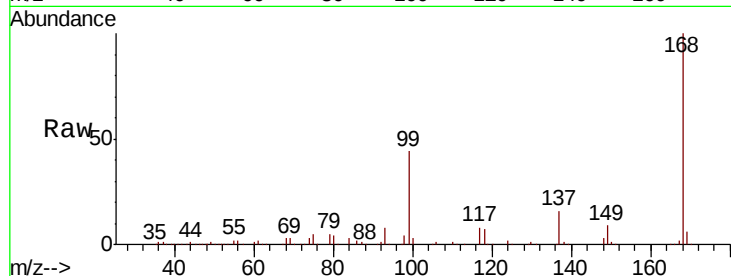
SA-MW127S-20190730

Tot Ion:168 Resp: 143604

Ion Ratio Lower Upper

168 100

99 44.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

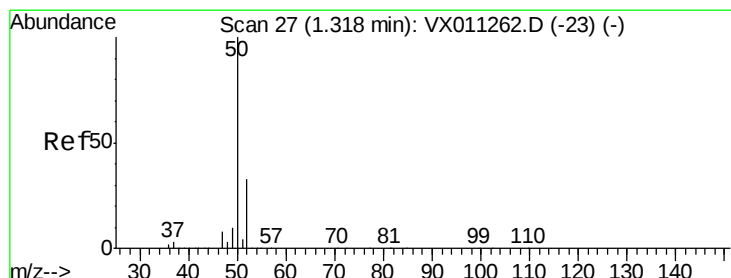
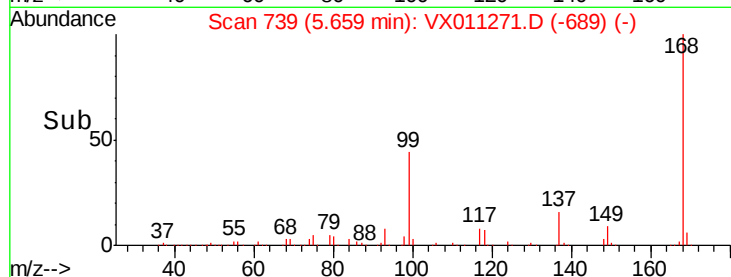
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.354 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011271.D

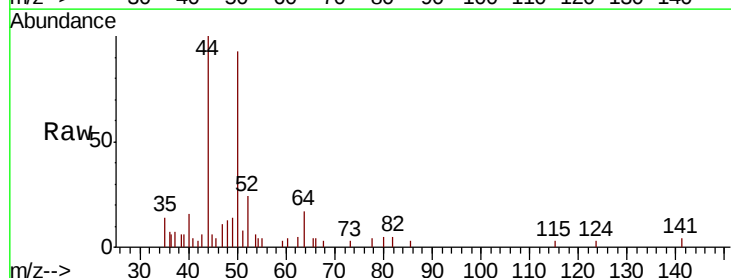
Acq: 01 Aug 2019 20:30

Tgt Ion: 50 Resp: 1686

Ion Ratio Lower Upper

50 100

52 23.6 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

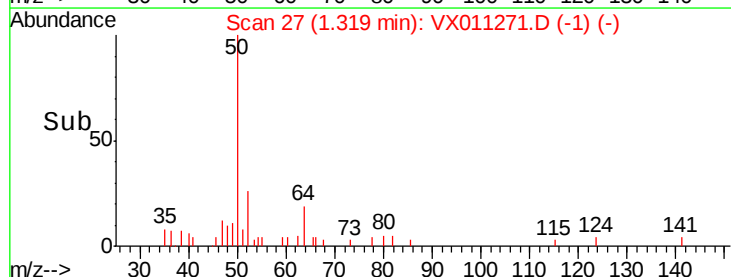
1500

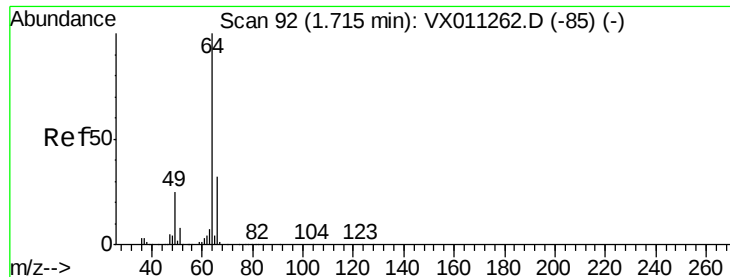
1000

500

0

Time--> 1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

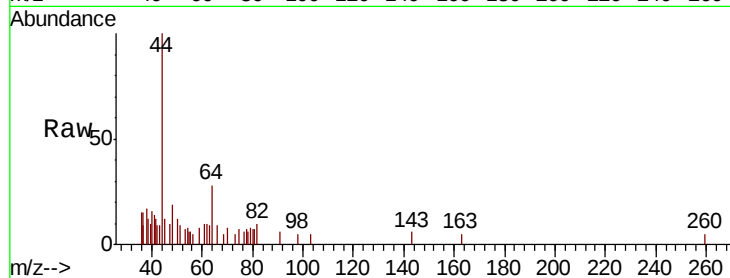
SA-MW127S-20190730

Tot Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 24.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

300

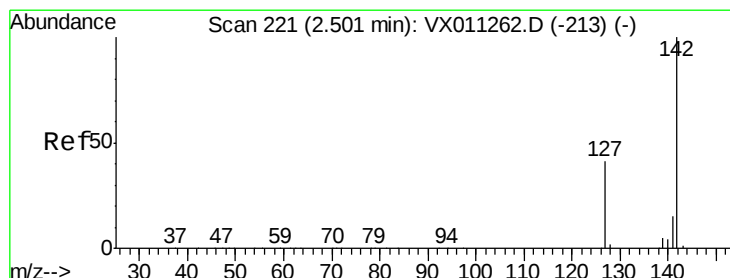
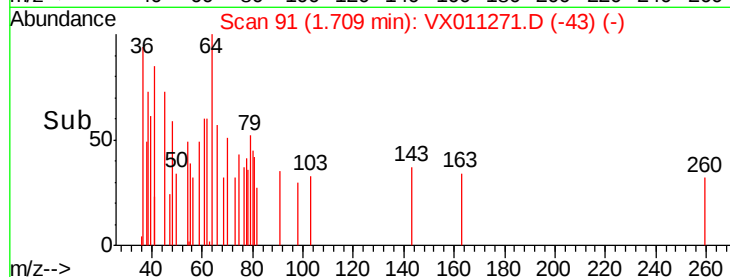
200

100

0

1.68 1.69 1.70 1.71 1.72

Time-->



#10

Methyl Iodide

Concen: 0.339 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

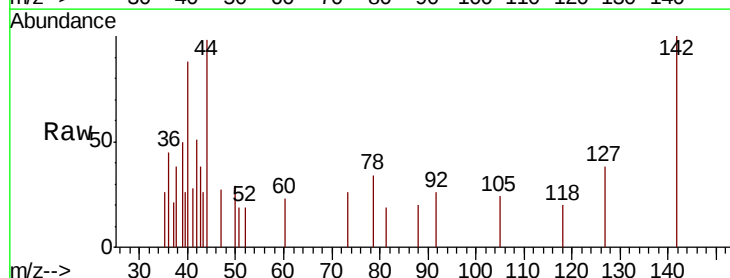
Tgt Ion:142 Resp: 563

Ion Ratio Lower Upper

142 100

127 40.7 33.8 50.8

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

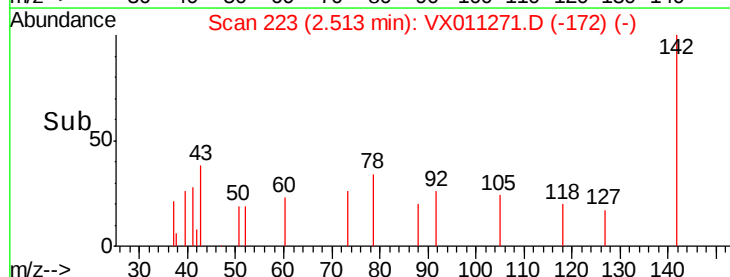
200

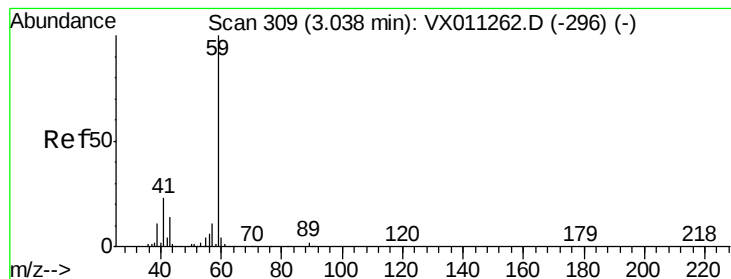
100

0

2.45 2.50 2.55

Time-->



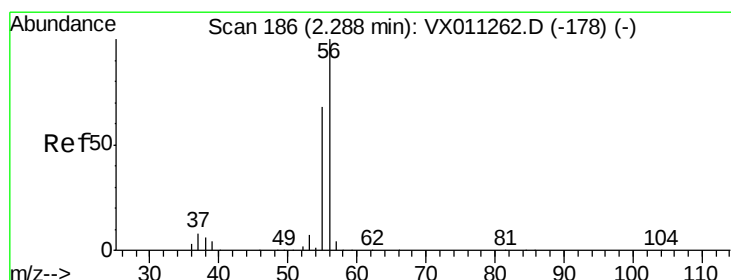
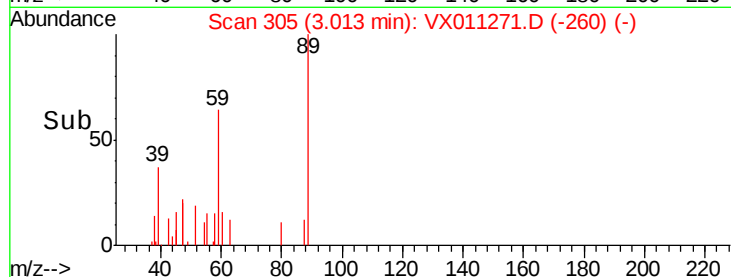
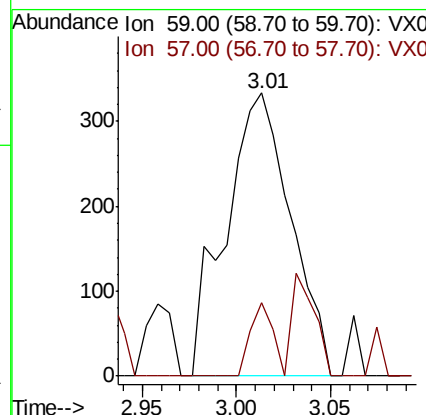
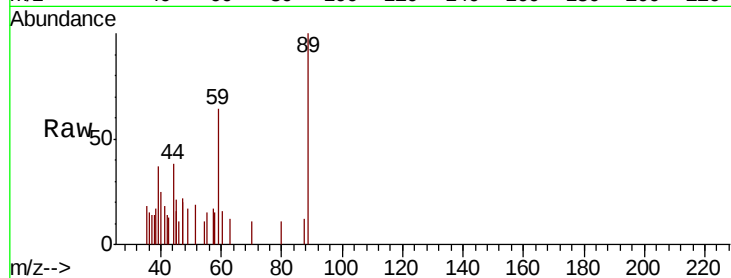


#11

Tert butyl alcohol
 Concen: 2.800 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX011271.D
 Acq: 01 Aug 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127S-20190730

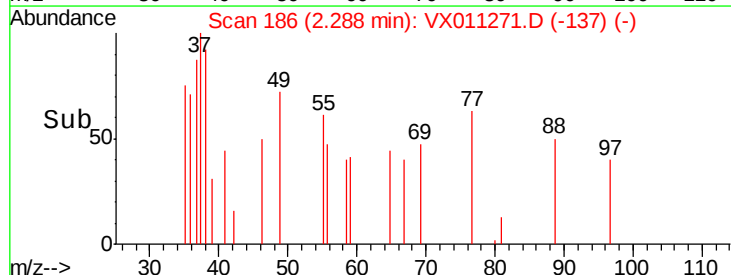
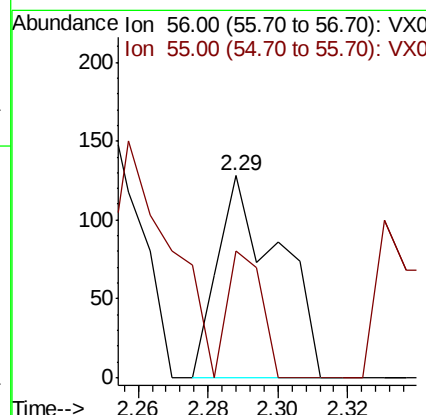
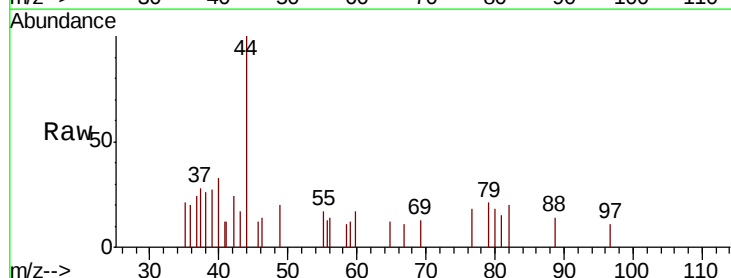
Tot Ion: 59 Resp: 801
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.3 12.5

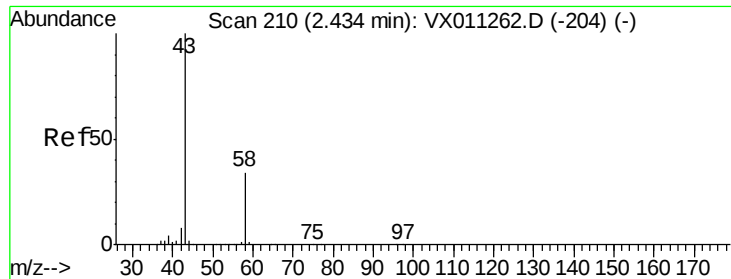


#13

Acrolein
 Concen: 0.449 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VX011271.D
 Acq: 01 Aug 2019 20:30

Tgt Ion: 56 Resp: 156
 Ion Ratio Lower Upper
 56 100
 55 35.3 56.0 84.0#





#16

Acetone

Concen: 4.560 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

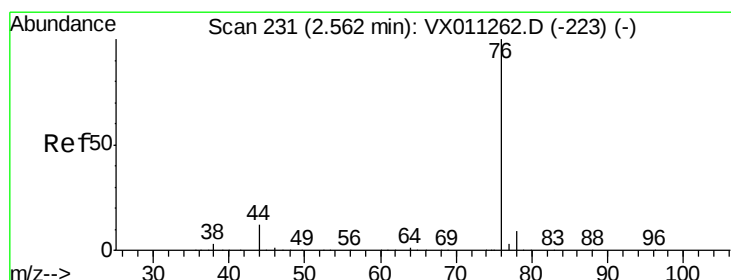
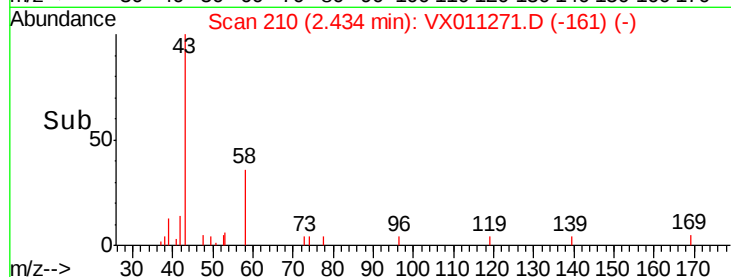
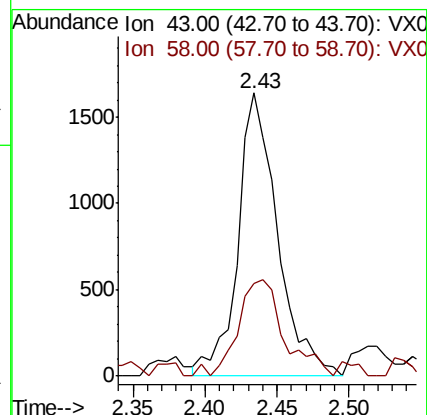
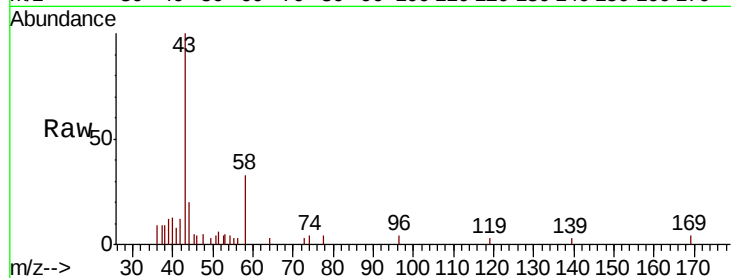
SA-MW127S-20190730

Tot Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

58 32.7 27.4 41.0



#17

Carbon Disulfide

Concen: 0.277 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011271.D

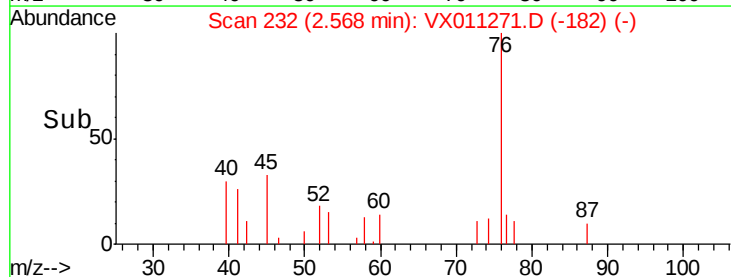
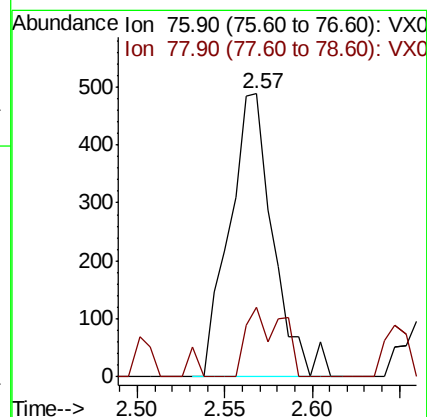
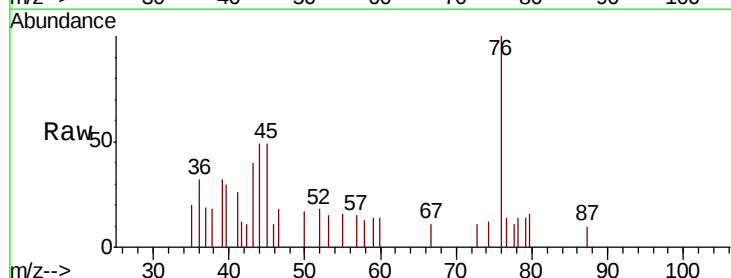
Acq: 01 Aug 2019 20:30

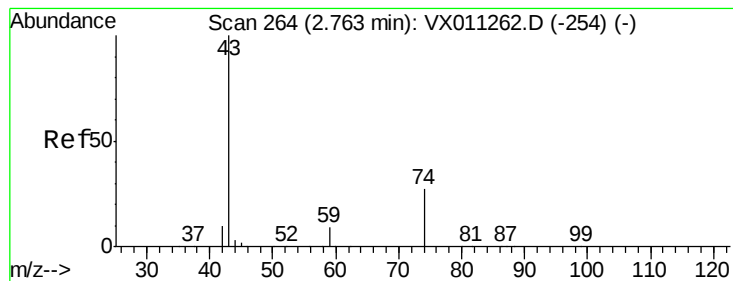
Tgt Ion: 76 Resp: 849

Ion Ratio Lower Upper

76 100

78 24.6 7.4 11.0#





#18

Methyl Acetate

Concen: 0.235 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

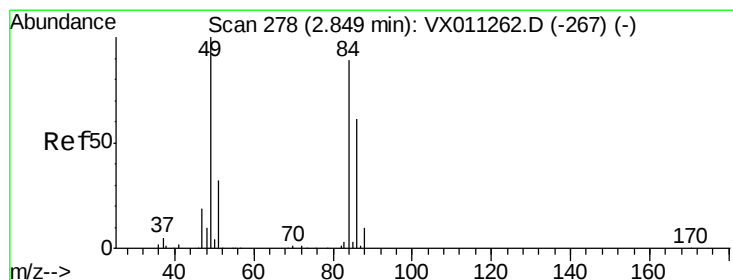
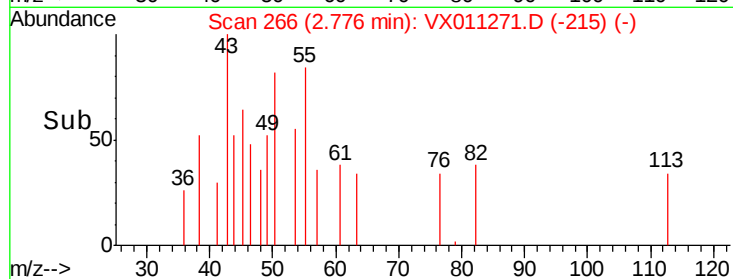
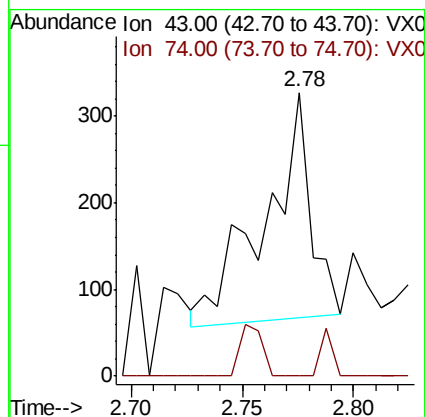
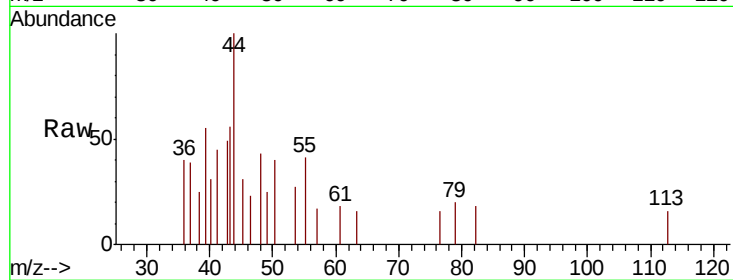
SA-MW127S-20190730

Tot Ion: 43 Resp: 369

Ion Ratio Lower Upper

43 100

74 5.4 21.0 31.6#



#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Tgt Ion: 84 Resp: 342

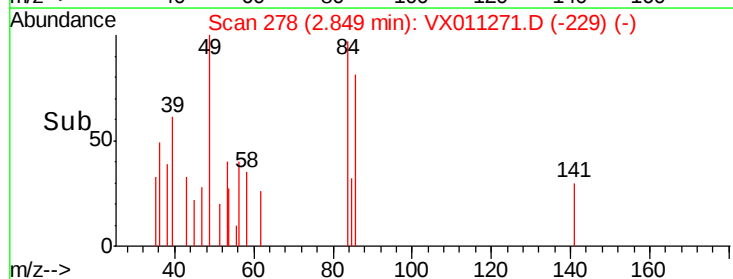
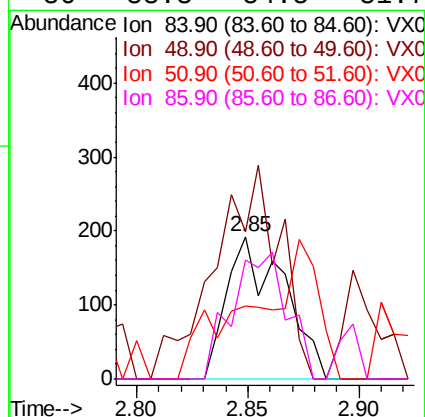
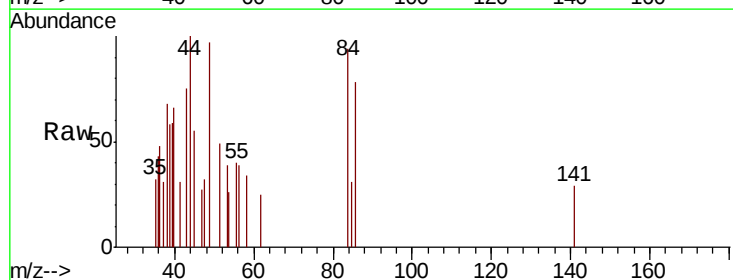
Ion Ratio Lower Upper

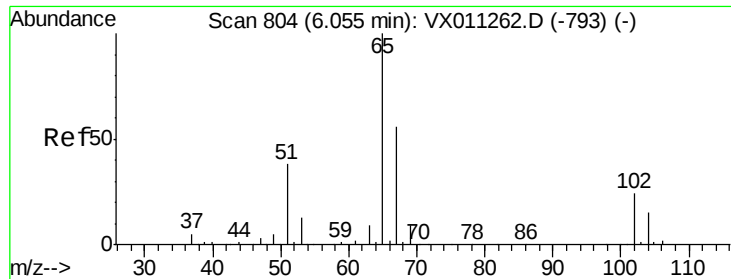
84 100

49 75.0 89.3 133.9#

51 51.6 28.3 42.5#

86 83.3 54.5 81.7#





#33

1,2-Dichloroethane-d4

Concen: 51.619 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

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ClientSampleId :

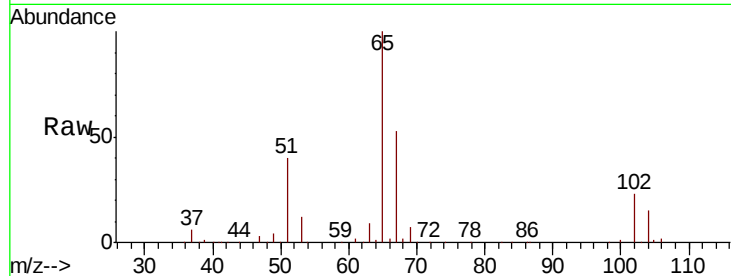
SA-MW127S-20190730

Tot Ion: 65 Resp: 74650

Ion Ratio Lower Upper

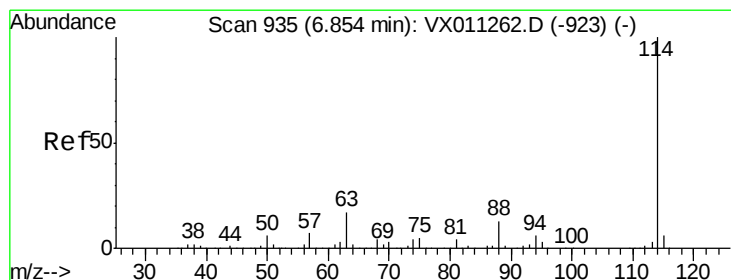
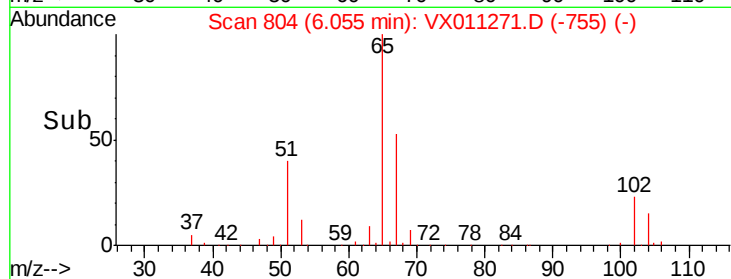
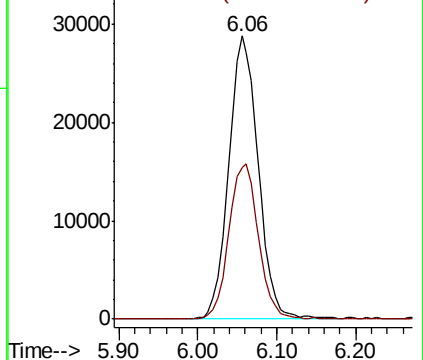
65 100

67 55.0 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

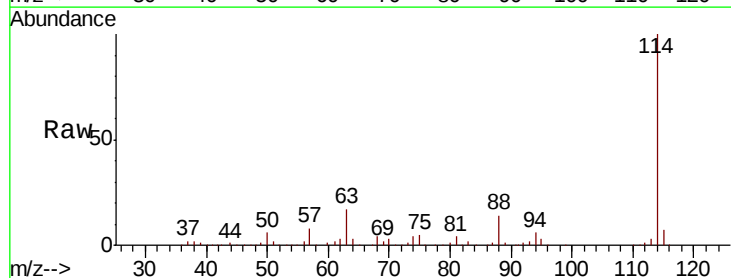
Tgt Ion: 114 Resp: 230394

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.0

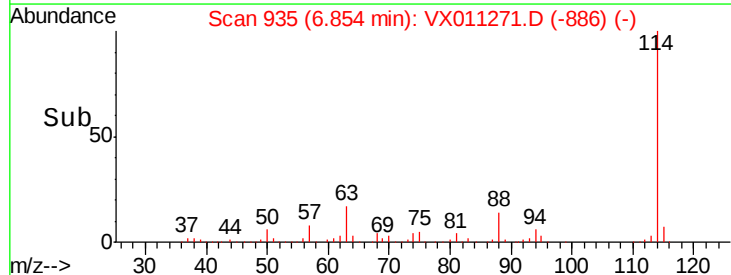
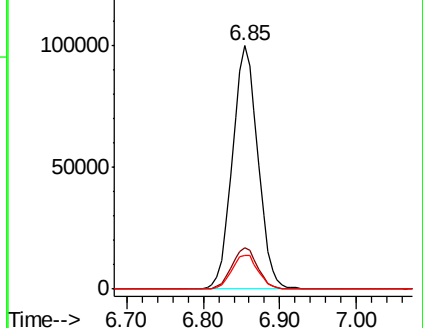
88 14.0 0.0 26.4

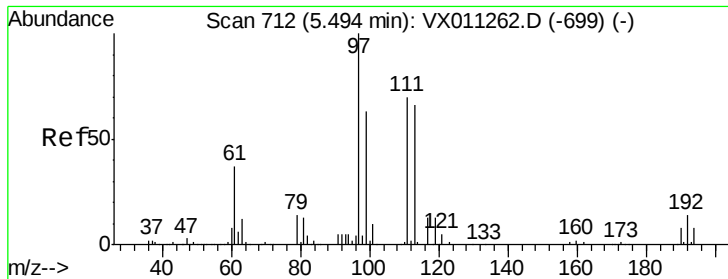


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

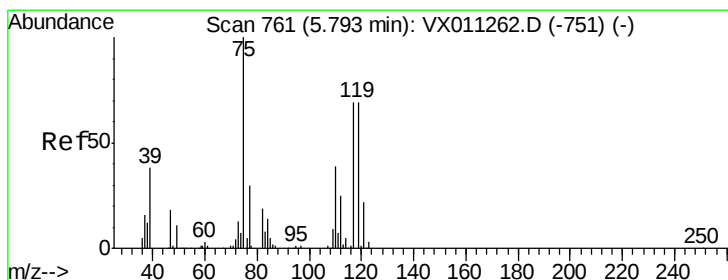
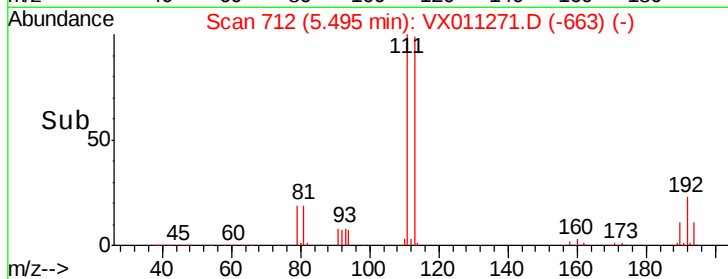
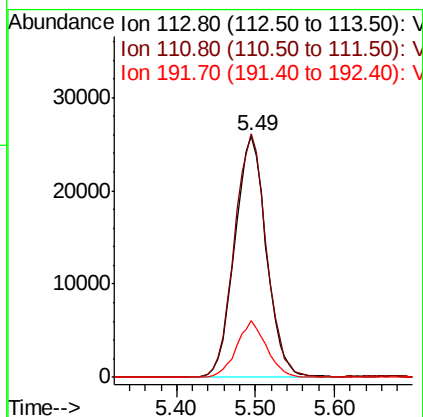
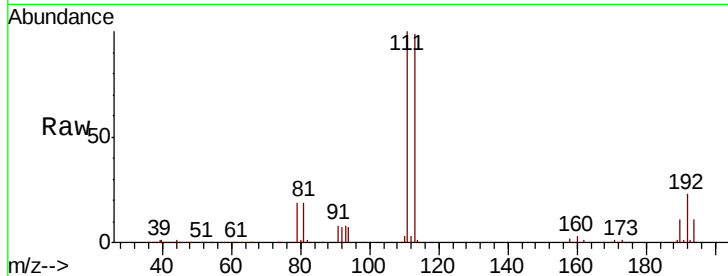




#35
 Dibromofluoromethane
 Concen: 47.990 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011271.D
 Acq: 01 Aug 2019 20:30

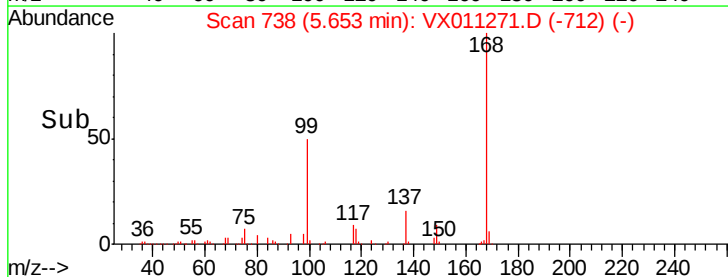
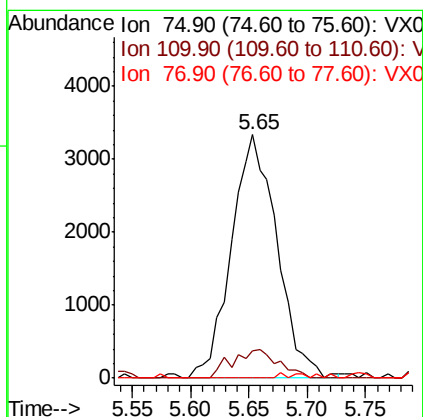
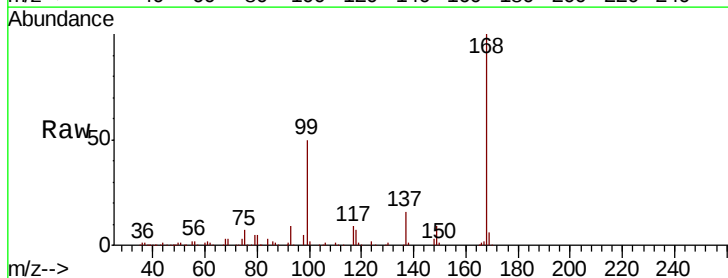
Instrument :
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 SA-MW127S-20190730

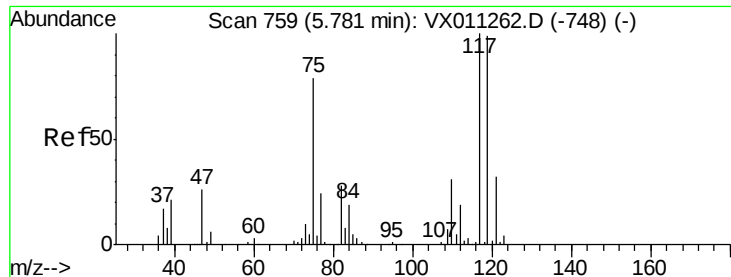
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011271.D
 Acq: 01 Aug 2019 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	20.0	59.9#
77	0.0	24.8	37.2#

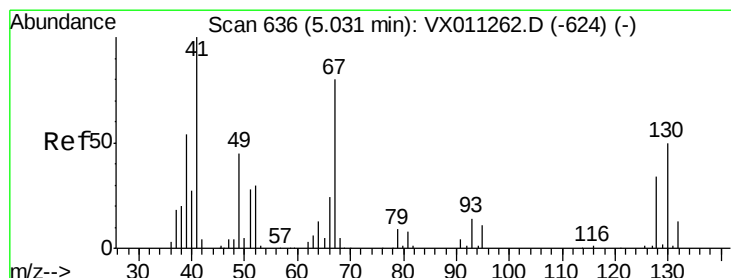
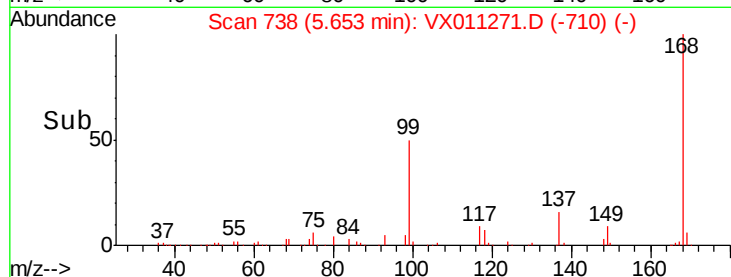
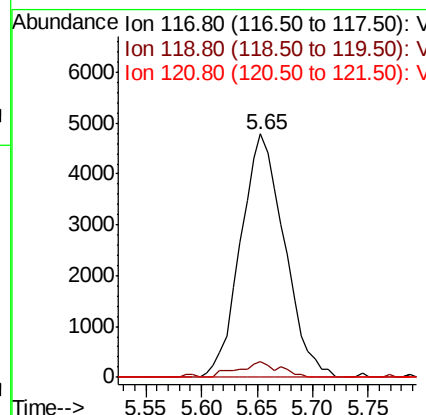
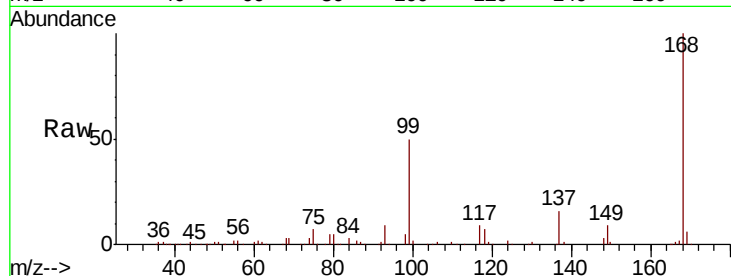




#38
Carbon Tetrachloride
Concen: 6.443 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011271.D
Acq: 01 Aug 2019 20:30

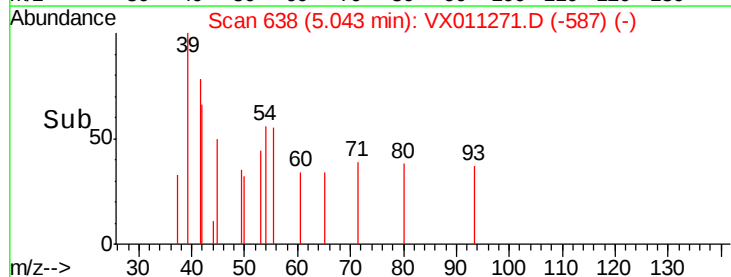
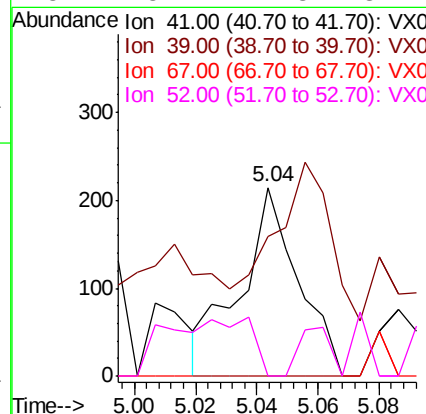
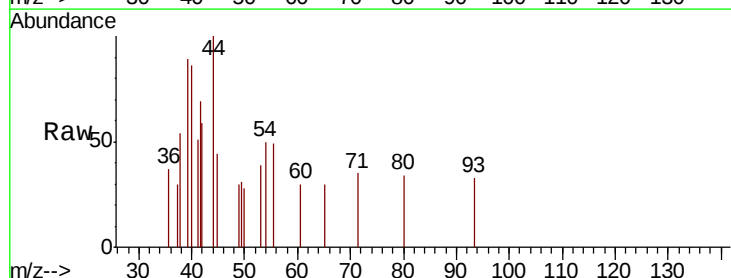
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127S-20190730

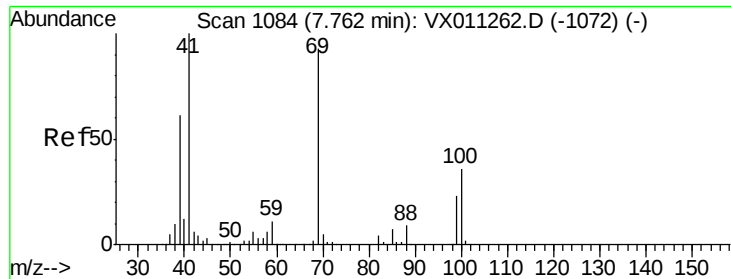
Tot Ion:117 Resp: 13040
Ion Ratio Lower Upper
117 100
119 6.2 79.0 118.4#
121 0.0 25.9 38.9#



#41
Methacrylonitrile
Concen: 0.256 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX011271.D
Acq: 01 Aug 2019 20:30

Tgt Ion: 41 Resp: 282
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.6#
67 0.0 65.1 97.7#
52 45.4 24.8 37.2#





#48

Methvl methacrylate

Concen: 0.255 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.02 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127S-20190730

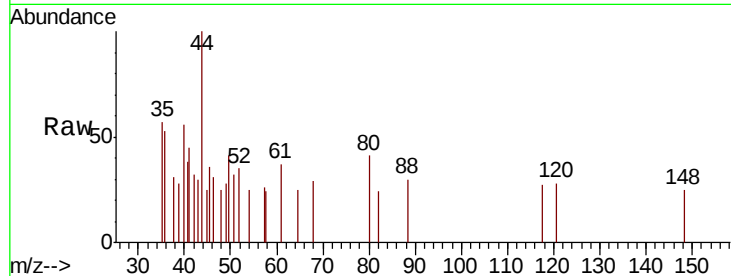
Tot Ion: 41 Resp: 387

Ion Ratio Lower Upper

41 100

69 0.0 74.5 111.7#

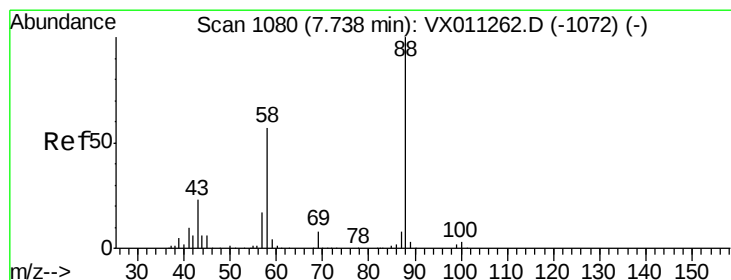
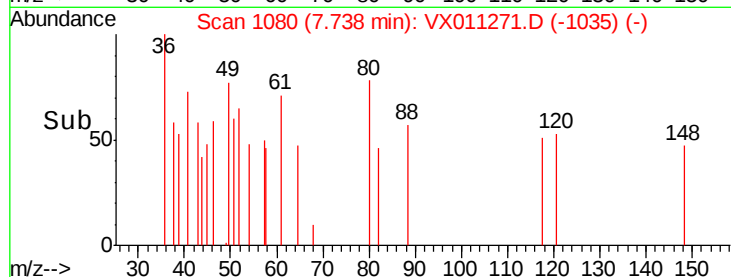
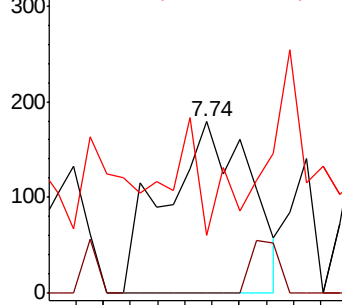
39 0.0 48.6 72.8#



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: 0.523 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

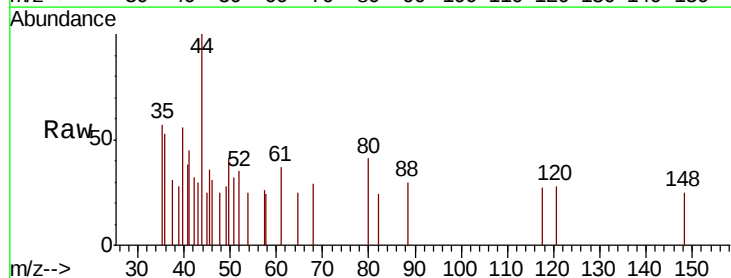
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 460.9 22.2 33.2#

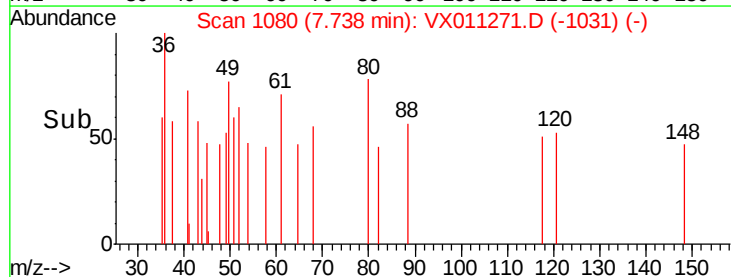
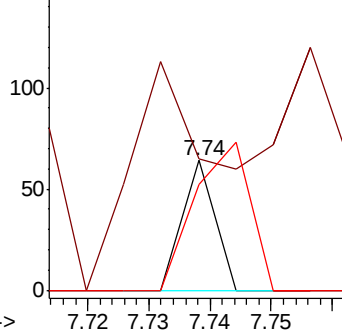
58 200.0 47.8 71.8#

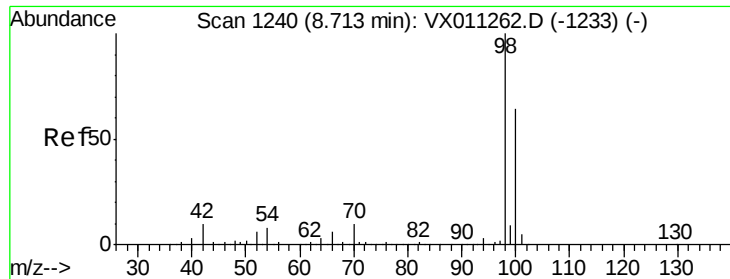


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.141 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

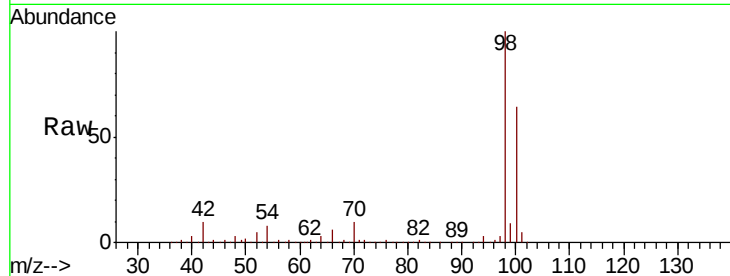
SA-MW127S-20190730

Tot Ion: 98 Resp: 279014

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

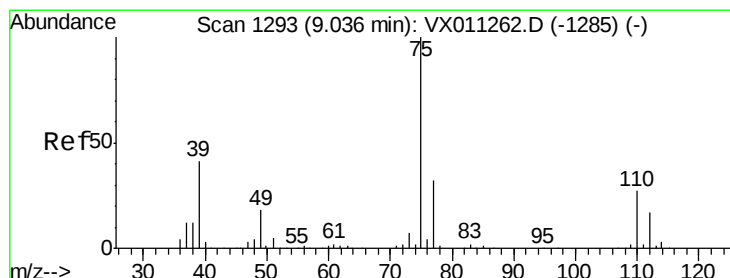
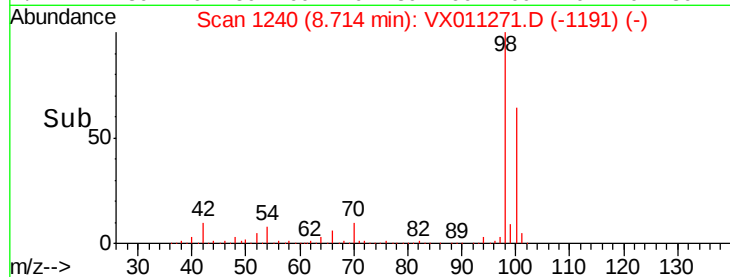
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.895 ug/l

RT: 9.07 min Scan# 1298

Delta R.T. 0.03 min

Lab File: VX011271.D

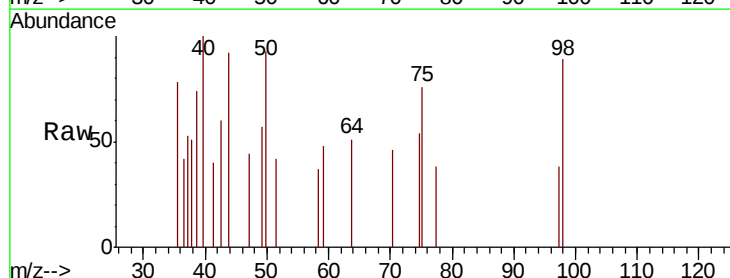
Acq: 01 Aug 2019 20:30

Tgt Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

77 29.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.07

200

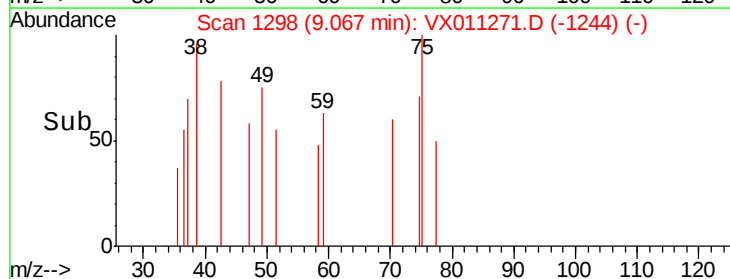
150

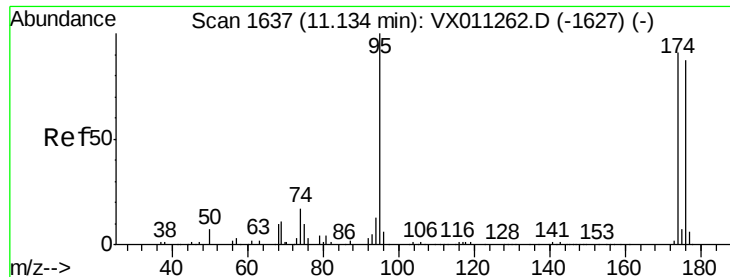
100

50

0

Time-->

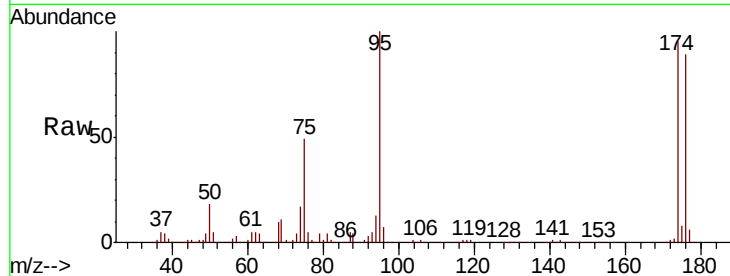




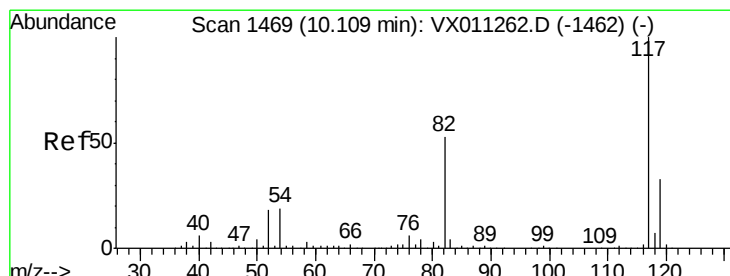
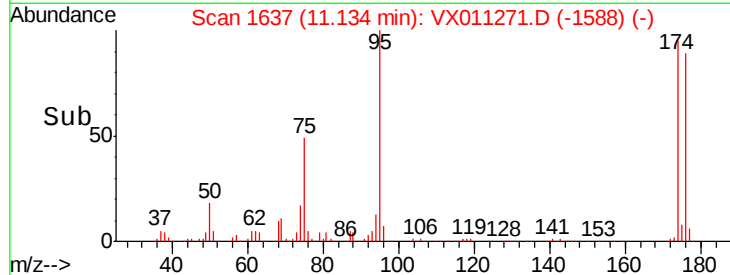
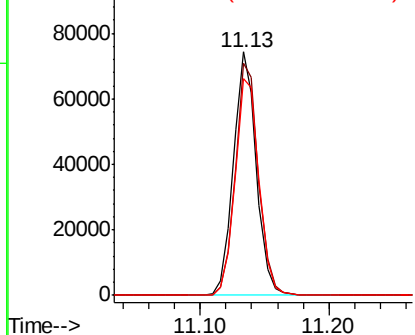
#62
4-Bromofluorobenzene
Concen: 45.530 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011271.D
Acq: 01 Aug 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SA-MW127S-20190730

Tot Ion: 95 Resp: 92296
Ion Ratio Lower Upper
95 100
174 96.0 0.0 191.2
176 92.5 0.0 184.8

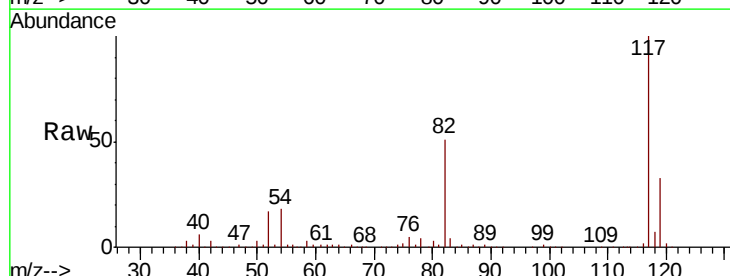


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

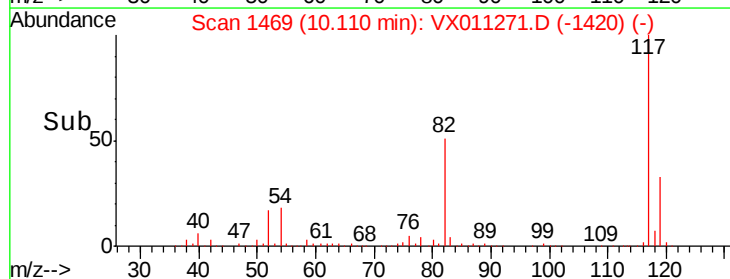
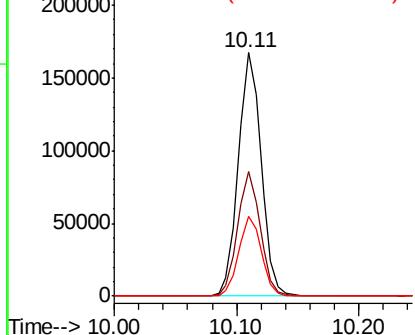


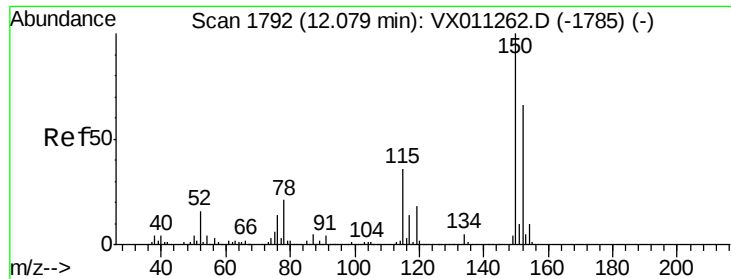
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011271.D
Acq: 01 Aug 2019 20:30

Tgt Ion: 117 Resp: 215798
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 33.0 26.6 39.8



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011271.D

Acq: 01 Aug 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127S-20190730

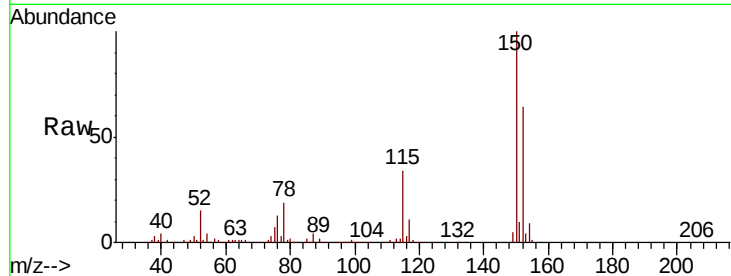
Tot Ion:152 Resp: 99547

Ion Ratio Lower Upper

152 100

115 53.8 40.0 119.9

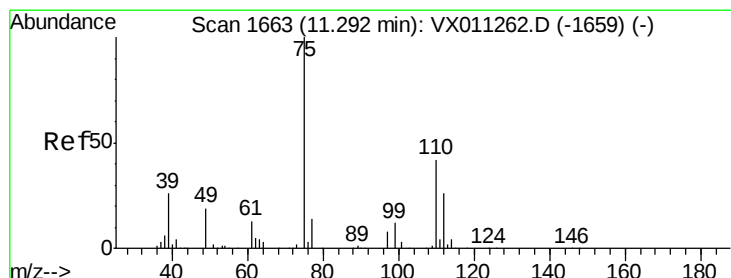
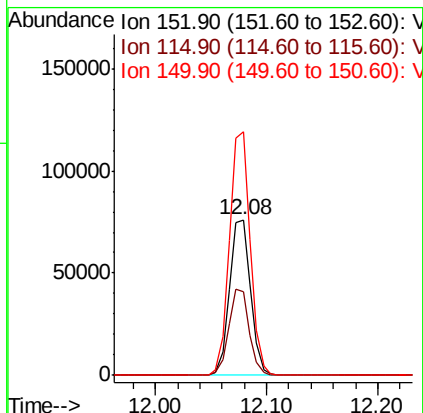
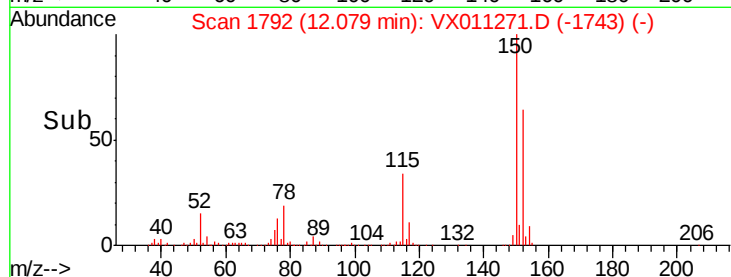
150 153.9 0.0 350.4



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: 25.084 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011271.D

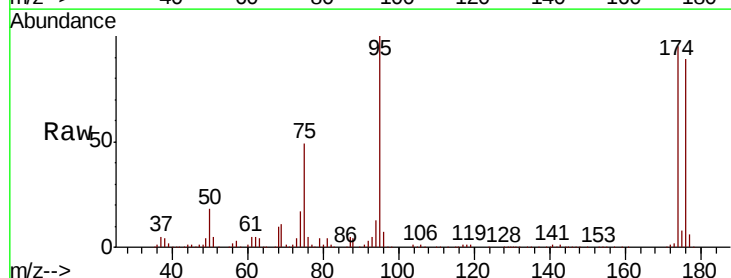
Acq: 01 Aug 2019 20:30

Tgt Ion: 75 Resp: 45474

Ion Ratio Lower Upper

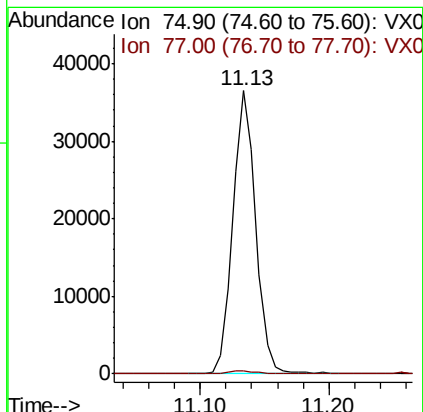
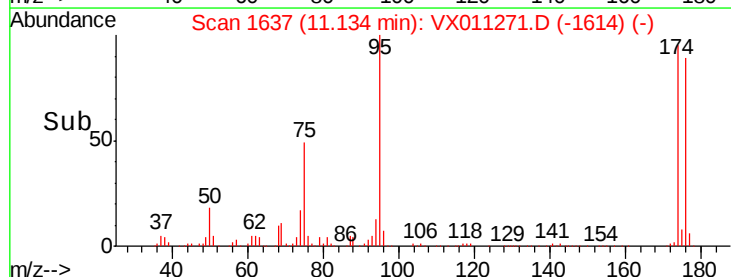
75 100

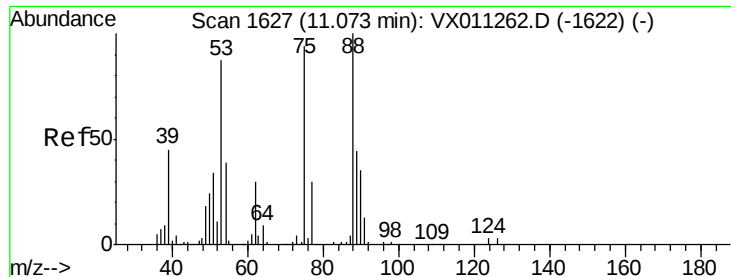
77 1.3 21.1 63.4#



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: 65.443 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011271.D
 Acq: 01 Aug 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127S-20190730

Tot Ion: 75 Resp: 45474
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.1 37.9 56.9#

