

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011275.D
 Acq On : 01 Aug 2019 22:04
 Operator : JC/SP
 Sample : K4118-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127D-20190730

Quant Time: Aug 02 02:08:41 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

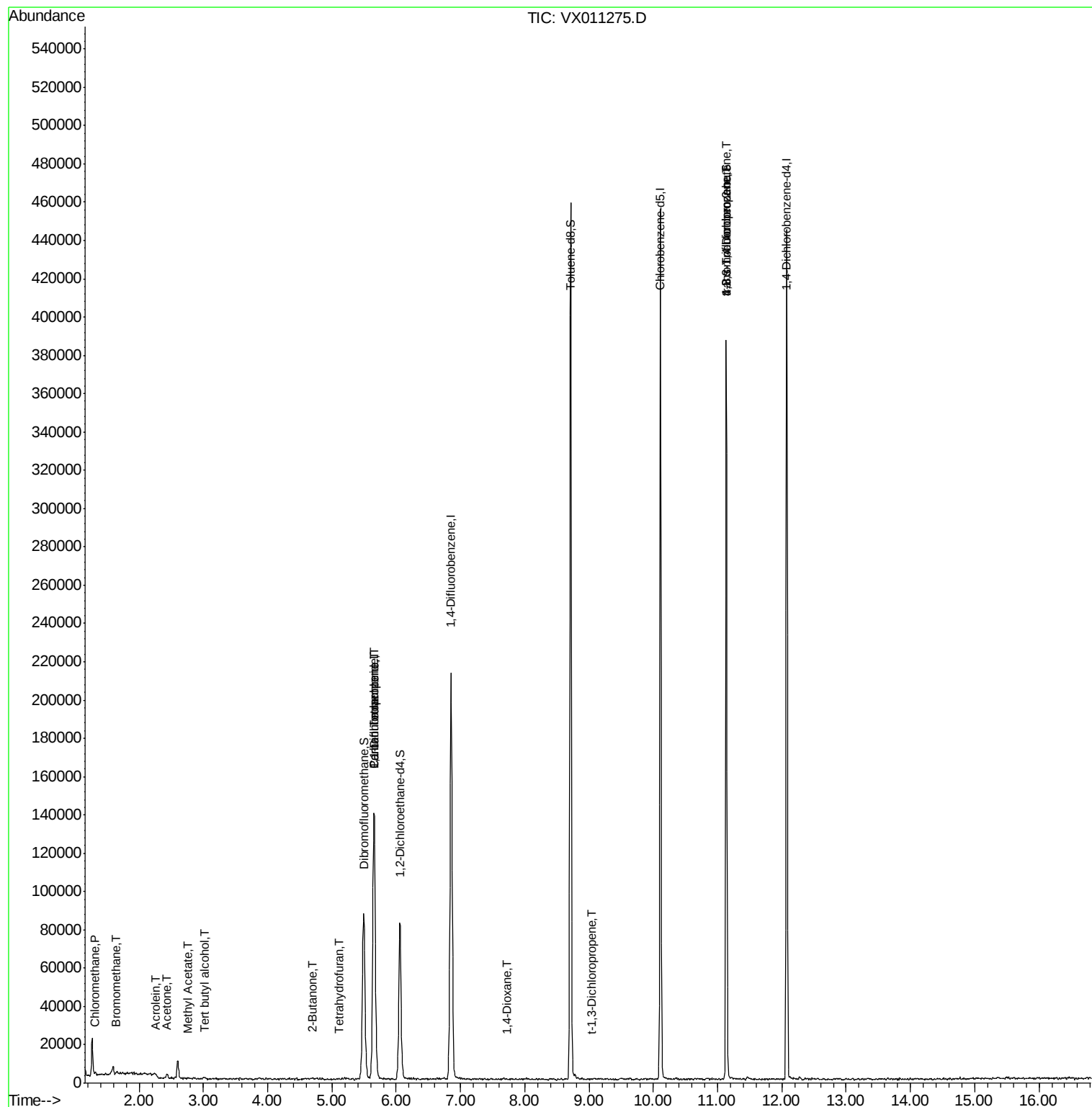
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	141699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	226841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	73781	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	5.49	113	70991	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	275133	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	92377	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1117	0.909	ug/l	91
5) Bromomethane	1.64	94	705	0.731	ug/l #	41
6) Chloroethane	1.73	64	153	Below Cal	#	79
11) Tert butyl alcohol	3.01	59	713	2.528	ug/l #	72
13) Acrolein	2.27	56	184	0.619	ug/l #	65
16) Acetone	2.43	43	2852	4.199	ug/l	93
18) Methyl Acetate	2.76	43	318	0.205	ug/l #	63
25) 2-Butanone	4.70	43	278	0.288	ug/l #	46
29) Tetrahydrofuran	5.12	42	218	0.368	ug/l #	36
36) 1,1-Dichloropropene	5.66	75	9398	4.745	ug/l #	39
38) Carbon Tetrachloride	5.66	117	13310	6.680	ug/l #	14
49) 1,4-Dioxane	7.72	88	25	0.577	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	34	2.853	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	45109	25.492	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	45109	66.433	ug/l #	10

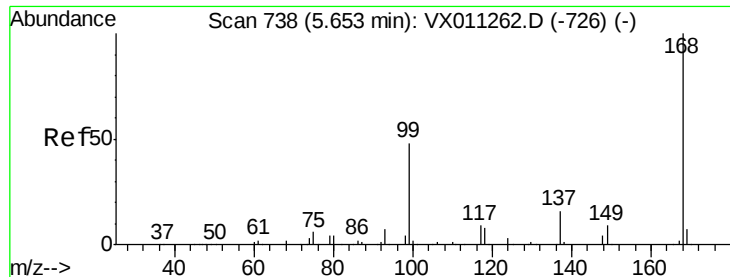
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

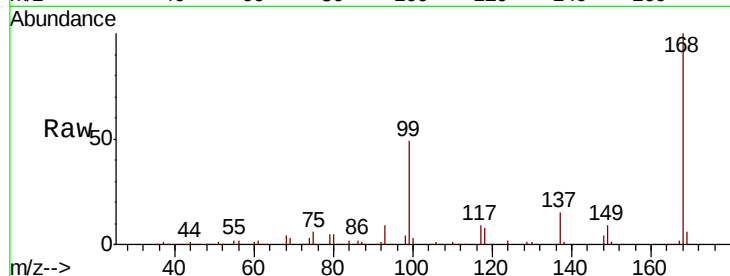
SA-MW127D-20190730

Tot Ion:168 Resp: 141699

Ion Ratio Lower Upper

168 100

99 48.6 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

60000

50000

40000

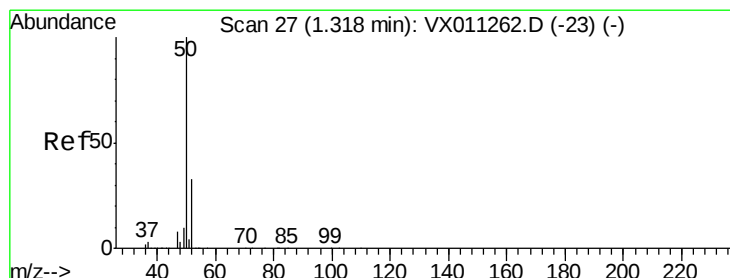
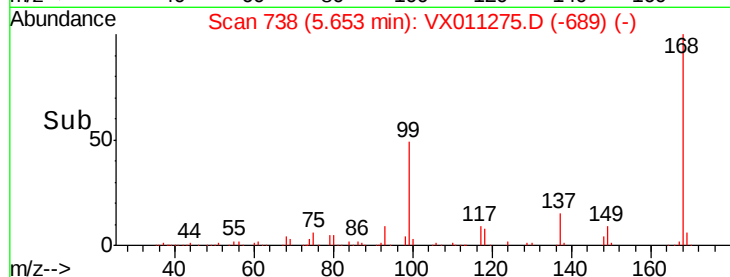
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.909 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011275.D

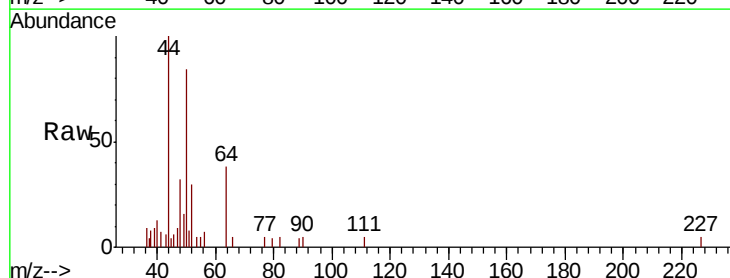
Acq: 01 Aug 2019 22:04

Tgt Ion: 50 Resp: 1117

Ion Ratio Lower Upper

50 100

52 38.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

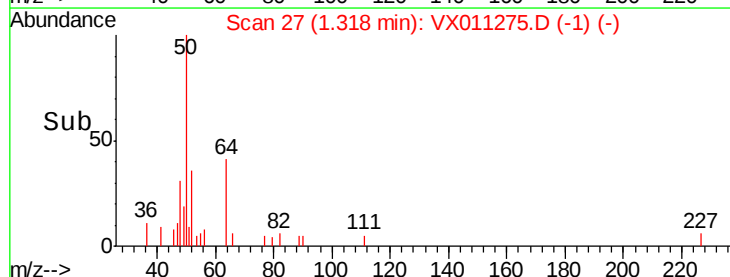
1.32

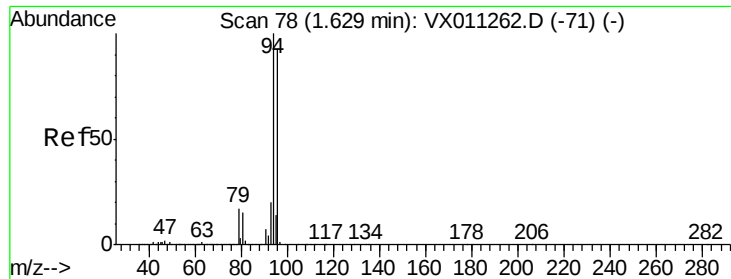
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.731 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

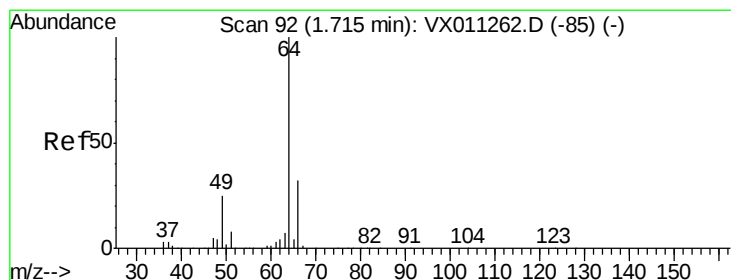
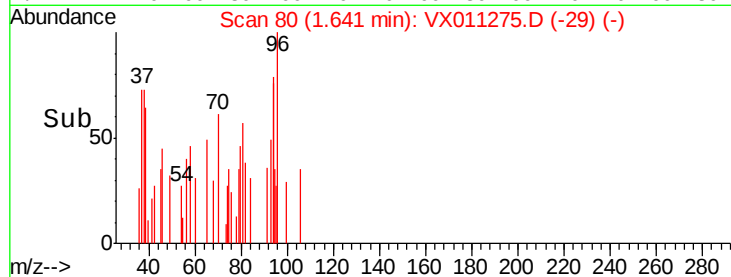
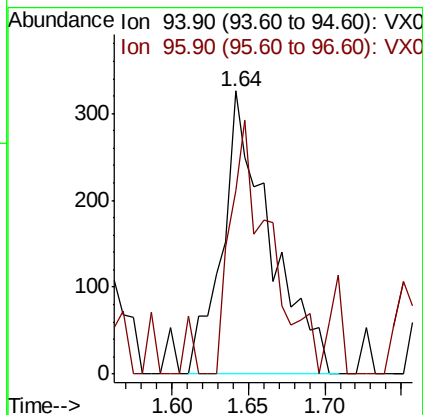
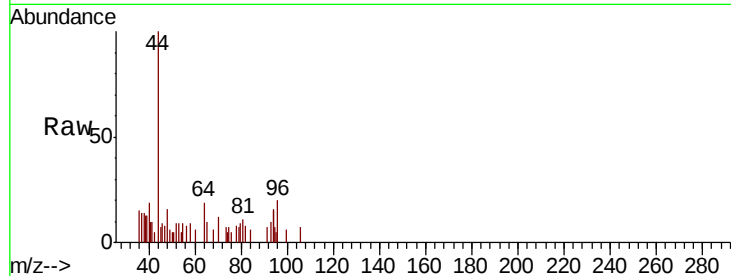
SA-MW127D-20190730

Tot Ion: 94 Resp: 705

Ion Ratio Lower Upper

94 100

96 36.3 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011275.D

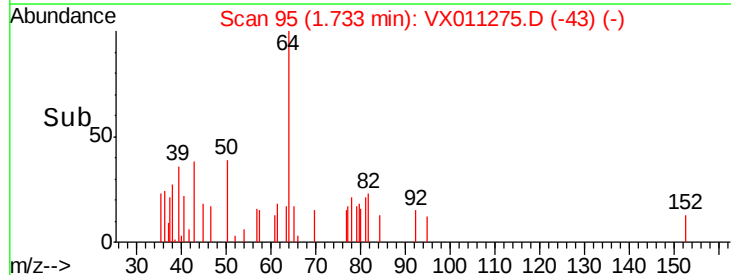
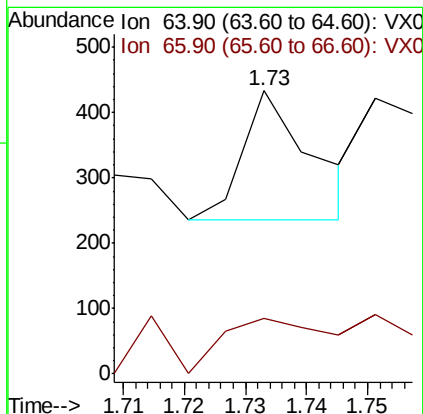
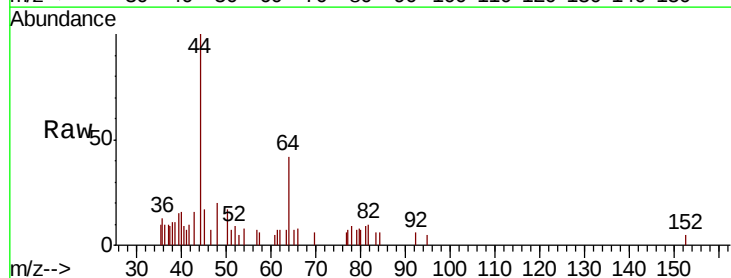
Acq: 01 Aug 2019 22:04

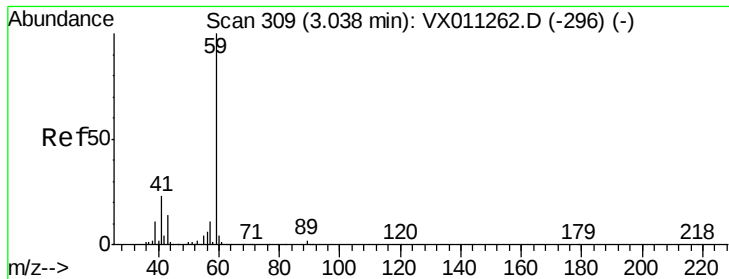
Tgt Ion: 64 Resp: 153

Ion Ratio Lower Upper

64 100

66 43.1 25.1 37.7#

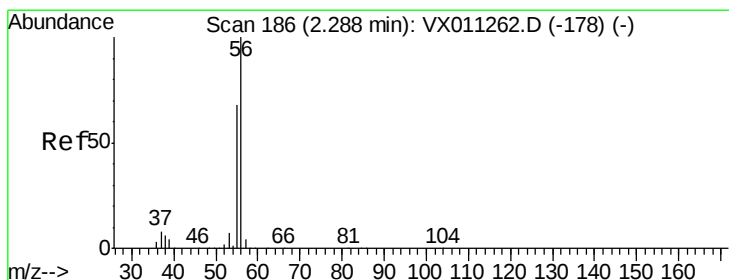
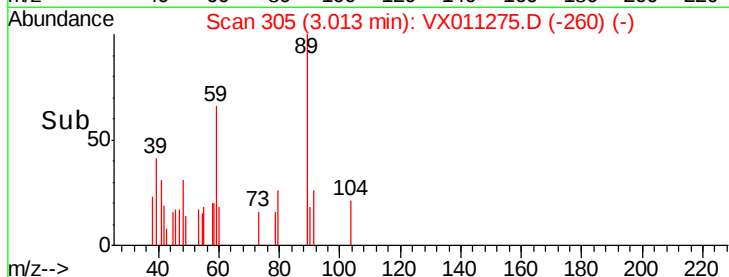
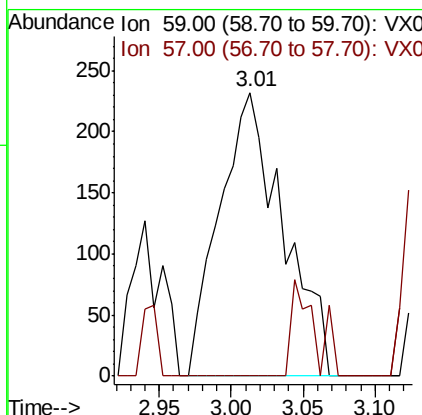
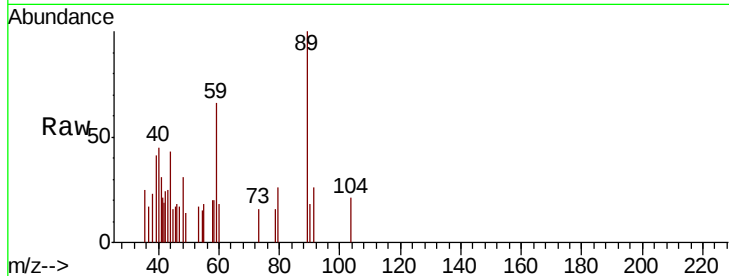




#11
Tert butyl alcohol
Concen: 2.528 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011275.D
Acq: 01 Aug 2019 22:04

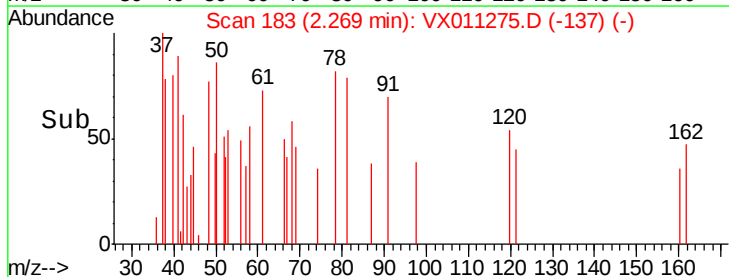
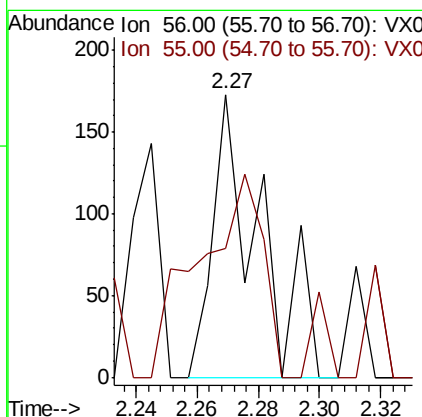
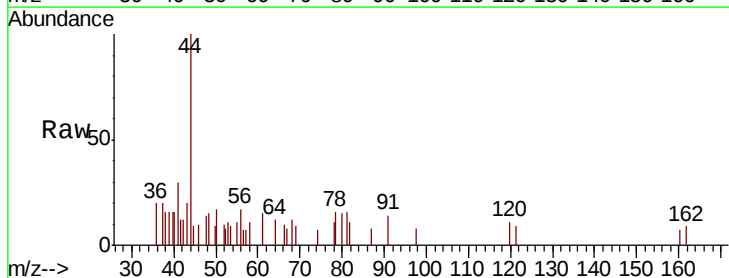
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127D-20190730

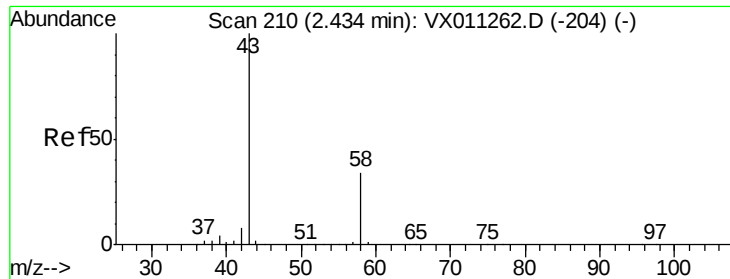
Tot Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.619 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX011275.D
Acq: 01 Aug 2019 22:04

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 98.4 56.0 84.0#





#16

Acetone

Concen: 4.199 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

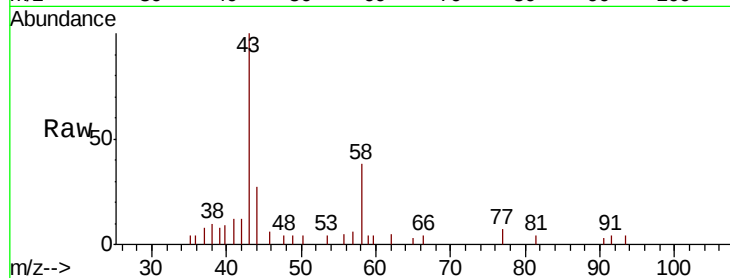
SA-MW127D-20190730

Tot Ion: 43 Resp: 2852

Ion Ratio Lower Upper

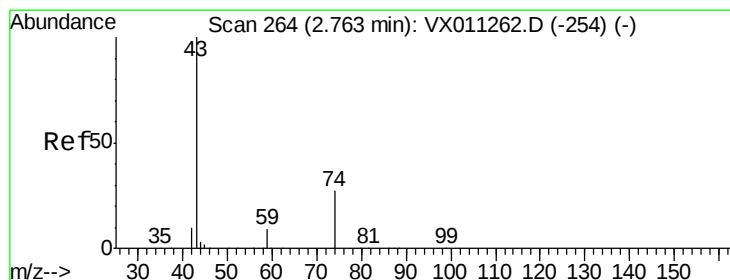
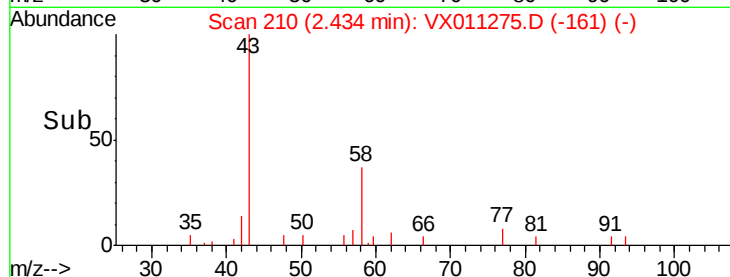
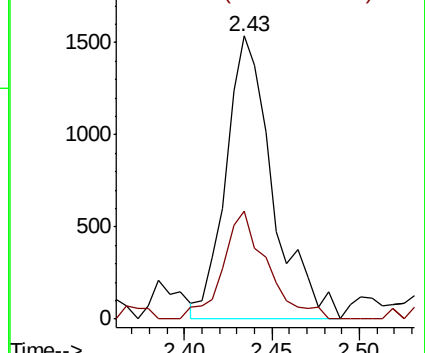
43 100

58 38.2 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.205 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011275.D

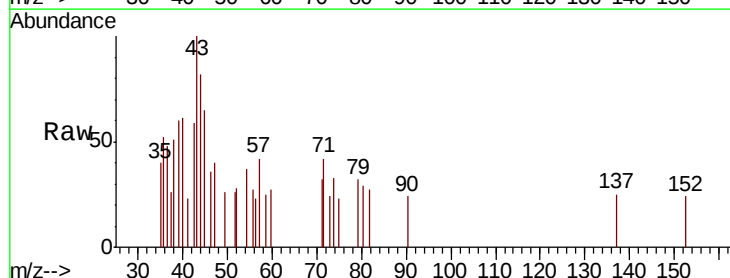
Acq: 01 Aug 2019 22:04

Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

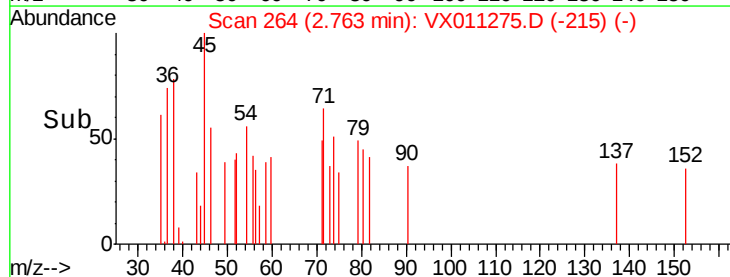
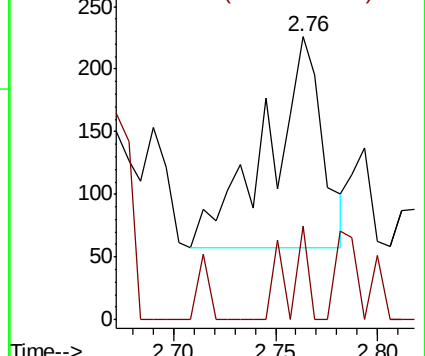
43 100

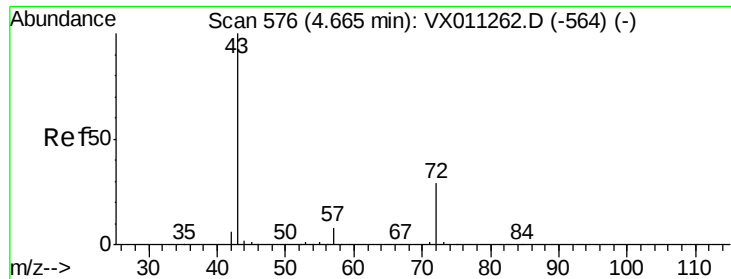
74 7.2 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.288 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.03 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

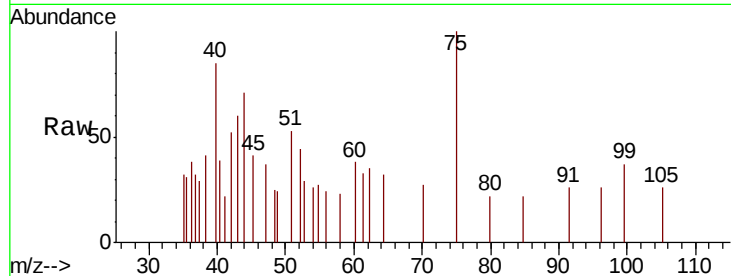
SA-MW127D-20190730

Tot Ion: 43 Resp: 278

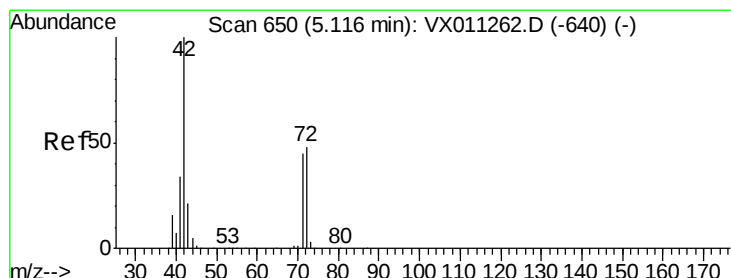
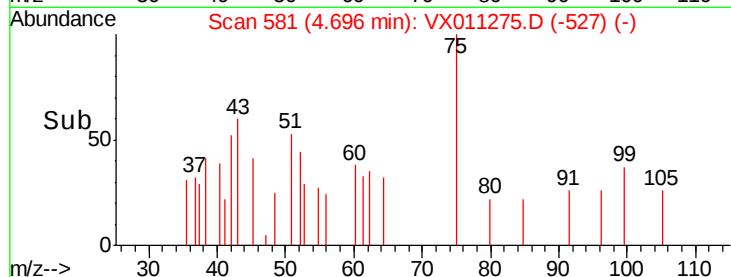
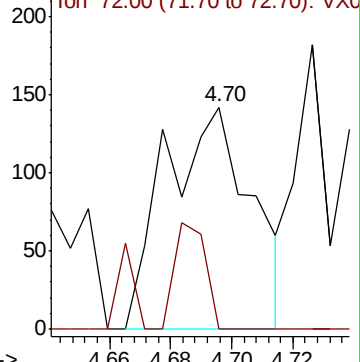
Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.368 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.01 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

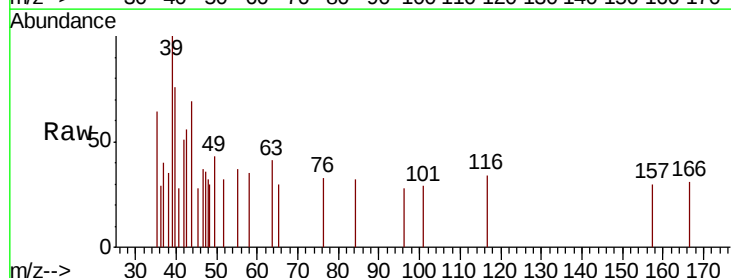
Tgt Ion: 42 Resp: 218

Ion Ratio Lower Upper

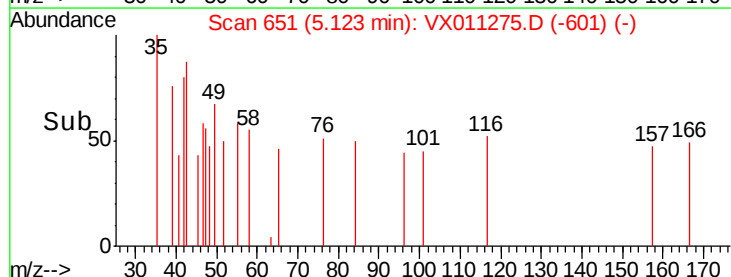
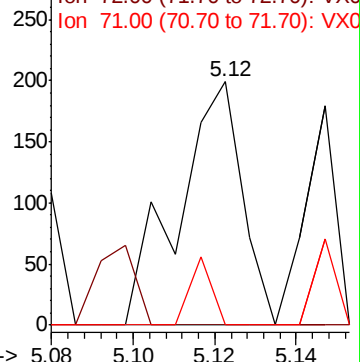
42 100

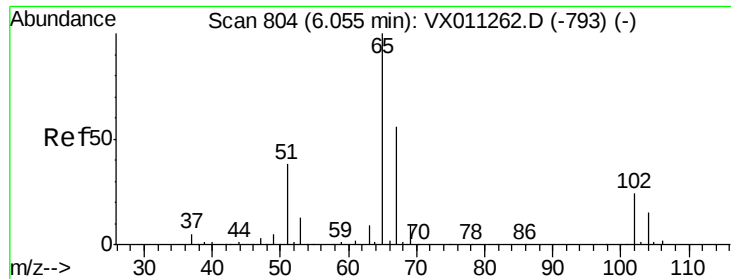
72 0.0 39.9 59.9#

71 9.2 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

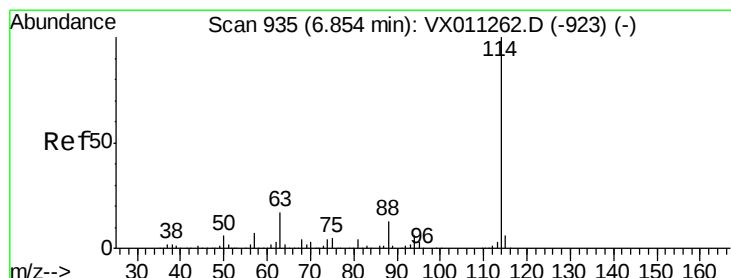
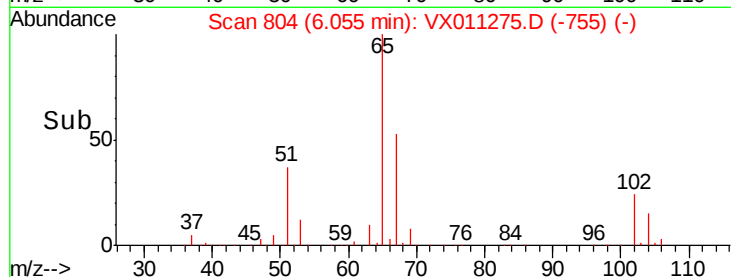
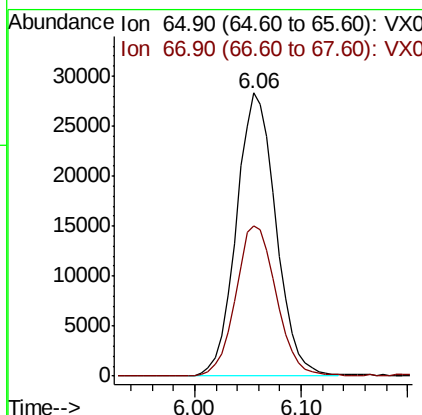
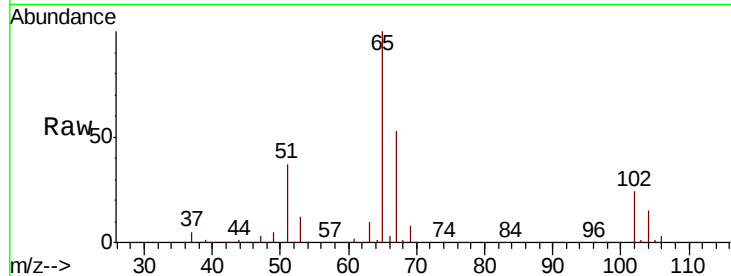




#33
 1,2-Dichloroethane-d4
 Concen: 51.704 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011275.D
 Acq: 01 Aug 2019 22:04

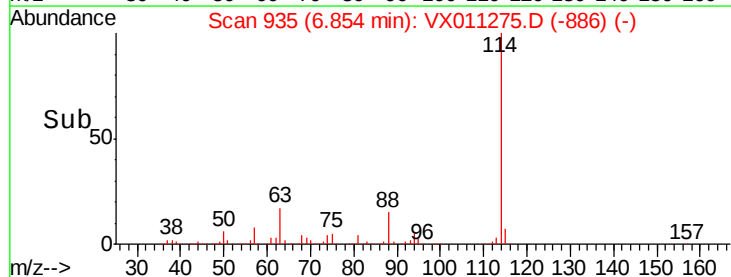
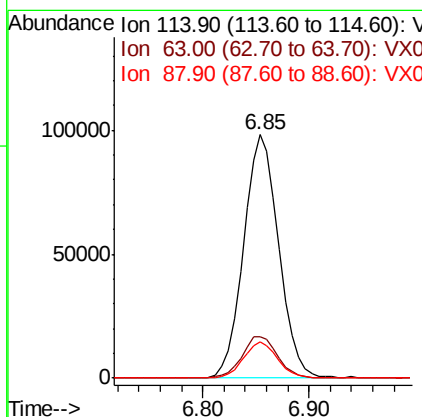
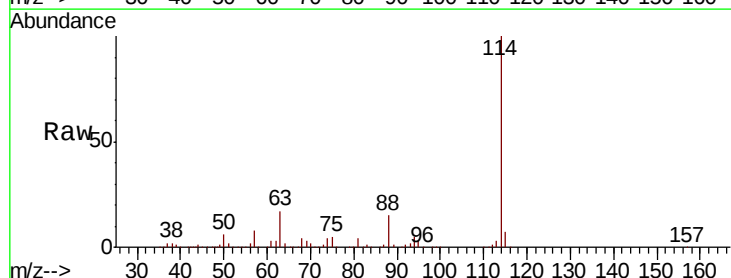
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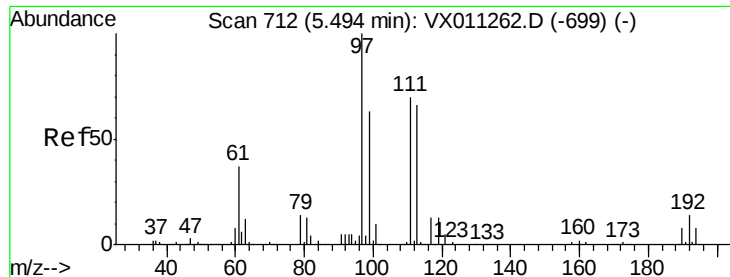
Tot Ion: 65 Resp: 73781
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011275.D
 Acq: 01 Aug 2019 22:04

Tgt Ion: 114 Resp: 226841
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 34.0
 88 14.7 0.0 26.4





#35

Dibromofluoromethane

Concen: 47.935 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127D-20190730

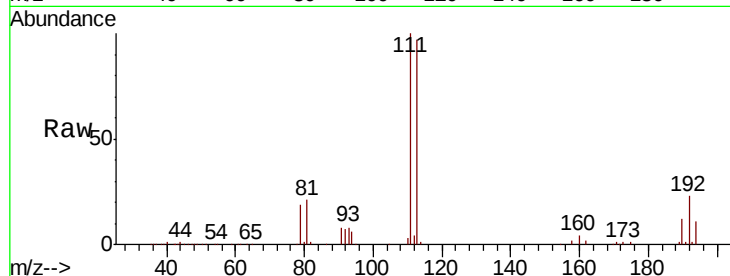
Tot Ion:113 Resp: 70991

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

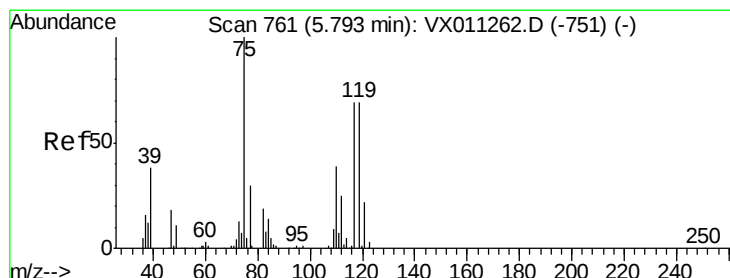
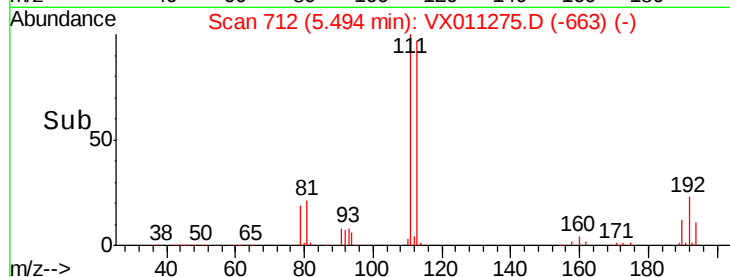
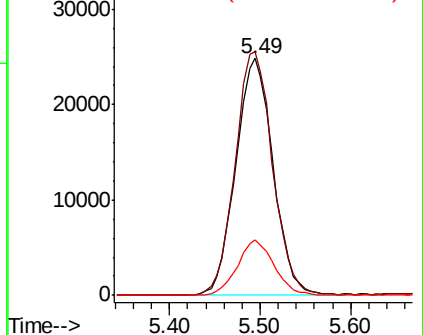
192 22.9 17.8 26.8



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: 4.745 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

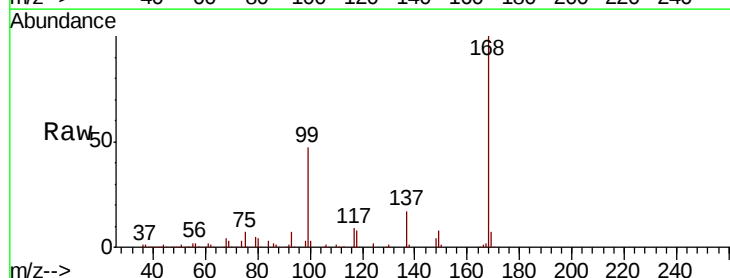
Tgt Ion: 75 Resp: 9398

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

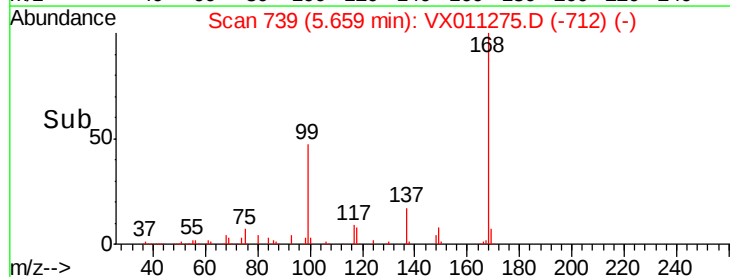
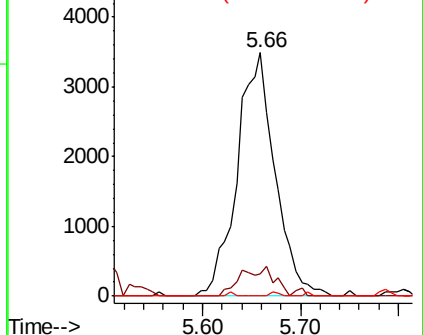
77 0.4 24.8 37.2#

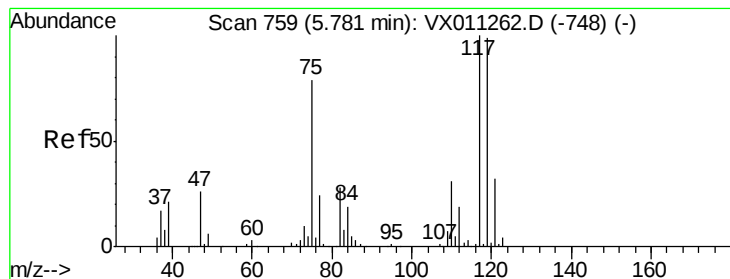


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127D-20190730

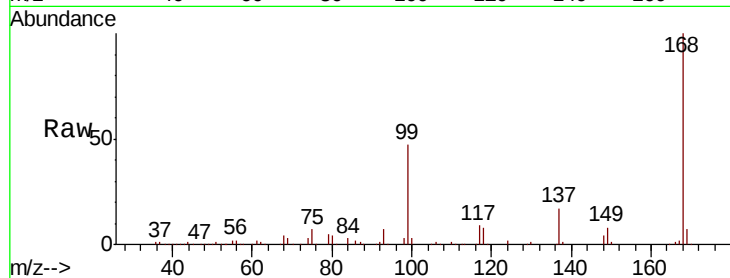
Tot Ion:117 Resp: 13310

Ion Ratio Lower Upper

117 100

119 3.7 79.0 118.4#

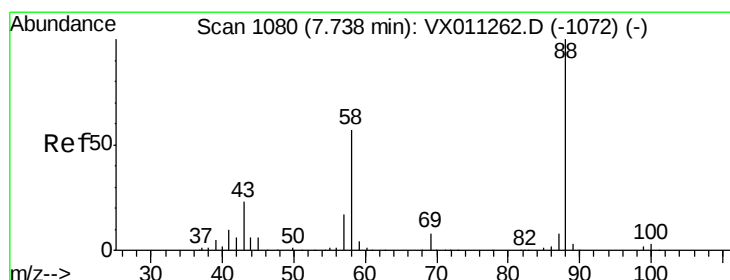
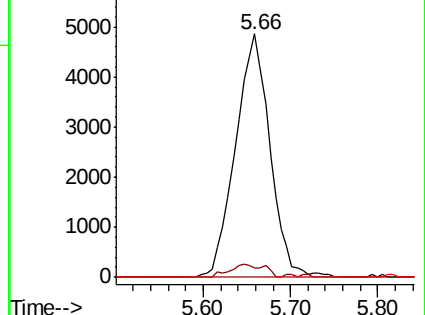
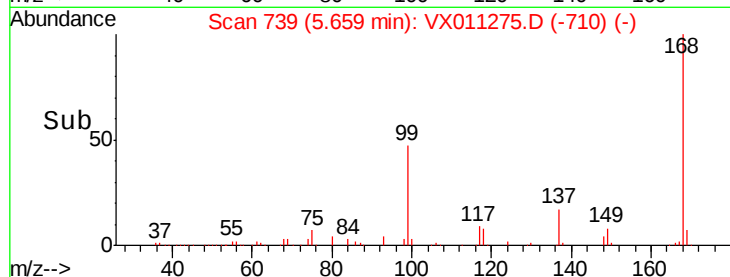
121 0.0 25.9 38.9#



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



#49

1,4-Dioxane

Concen: 0.577 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

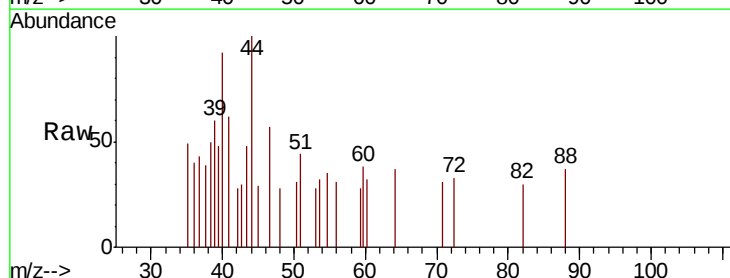
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 1276.0 22.2 33.2#

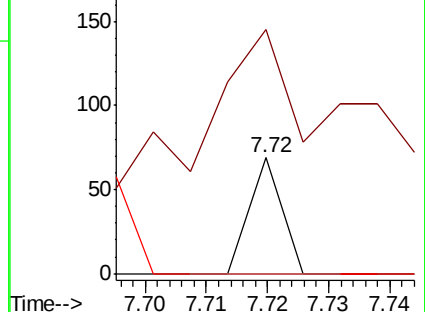
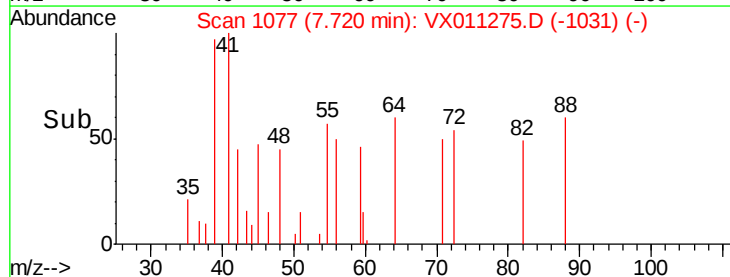
58 0.0 47.8 71.8#

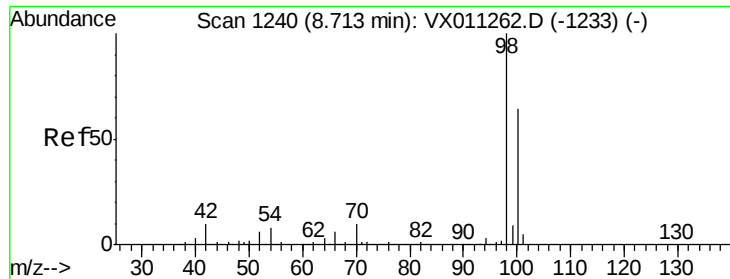


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.216 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

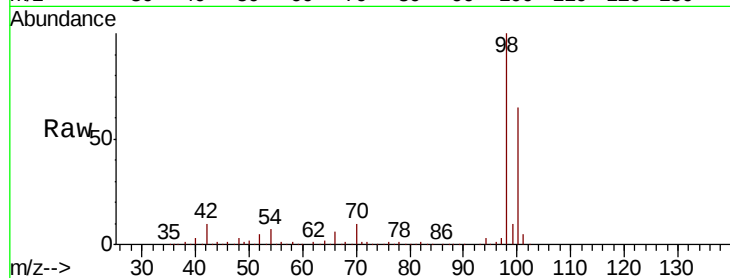
SA-MW127D-20190730

Tot Ion: 98 Resp: 275133

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

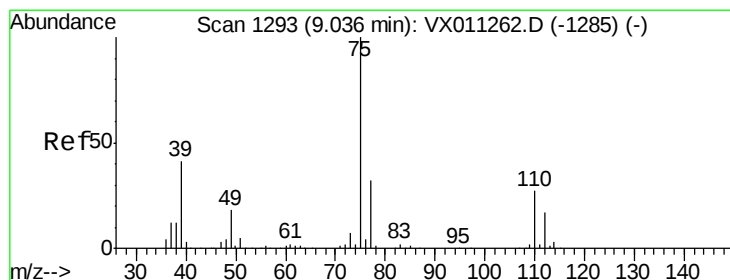
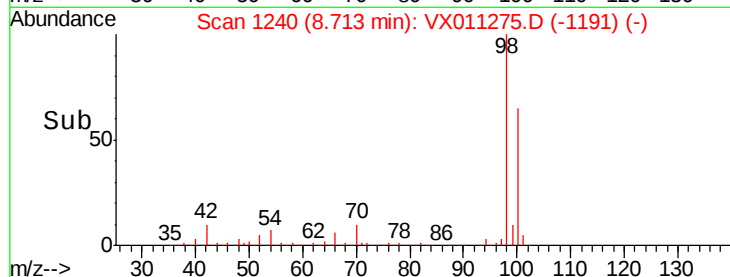
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#53

t-1,3-Dichloropropene

Concen: 2.853 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011275.D

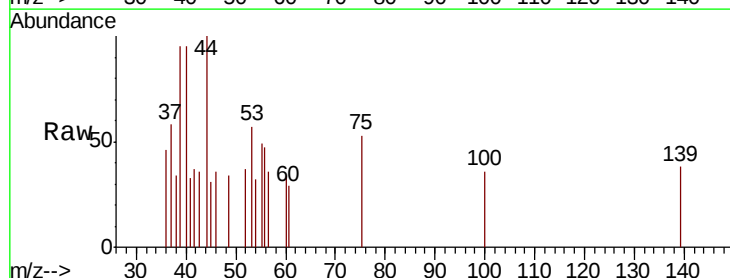
Acq: 01 Aug 2019 22:04

Tgt Ion: 75 Resp: 34

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

100

80

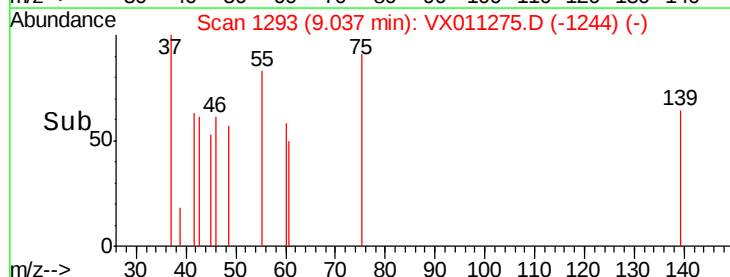
60

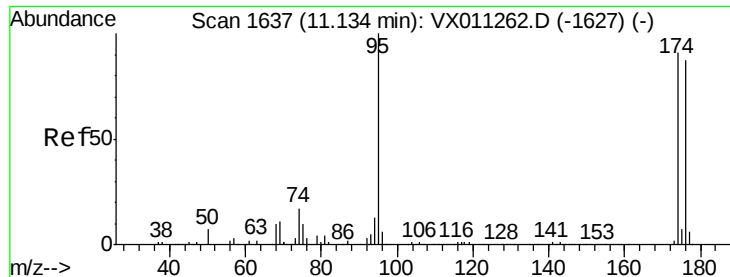
40

20

0

Time--> 9.03 9.03 9.04 9.04 9.04

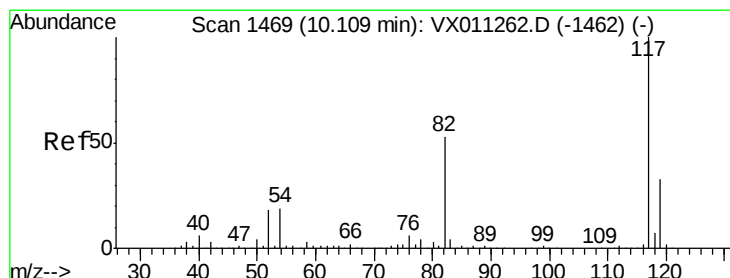
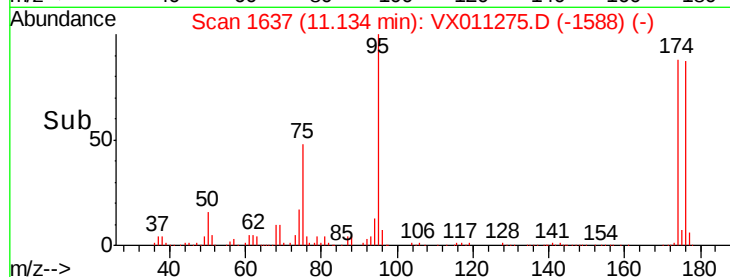
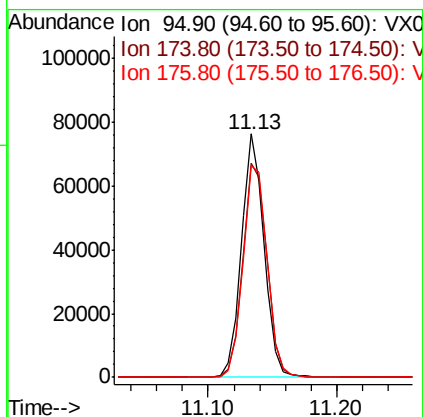
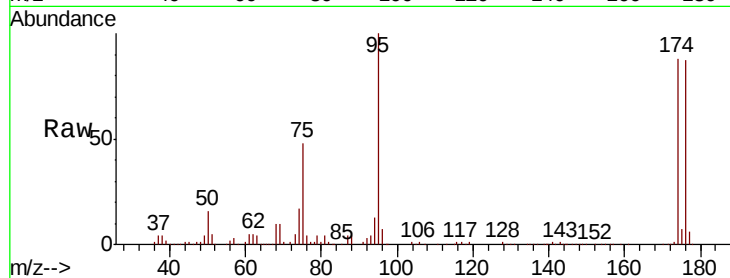




#62
4-Bromofluorobenzene
Concen: 46.283 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011275.D
Acq: 01 Aug 2019 22:04

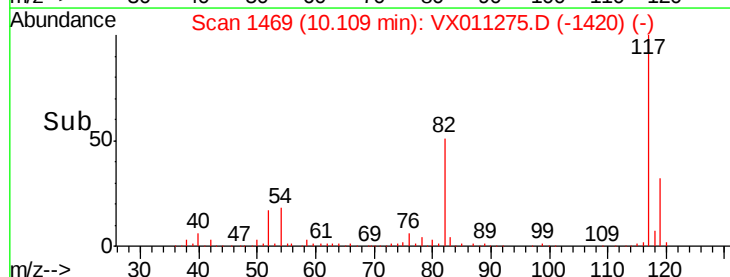
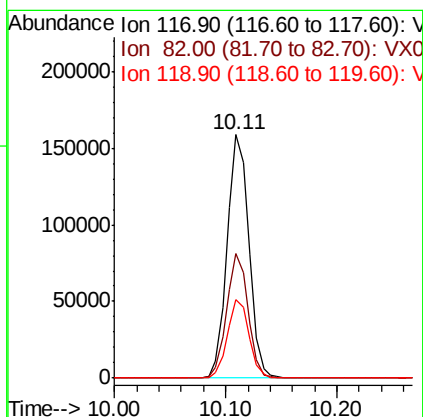
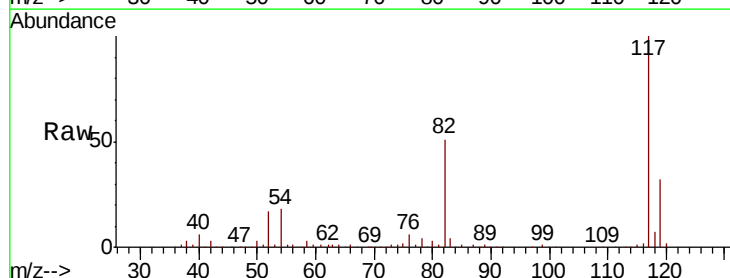
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127D-20190730

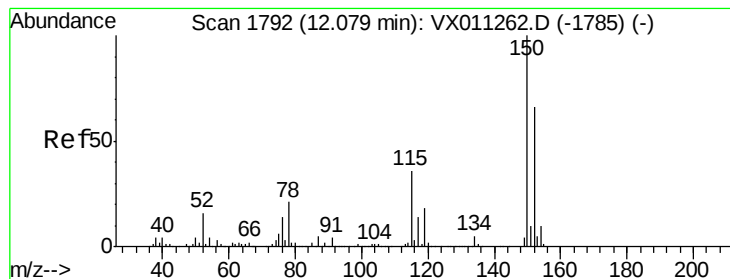
Tot Ion: 95 Resp: 92377
Ion Ratio Lower Upper
95 100
174 93.5 0.0 191.2
176 92.7 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011275.D
Acq: 01 Aug 2019 22:04

Tgt Ion: 117 Resp: 215440
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.2 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127D-20190730

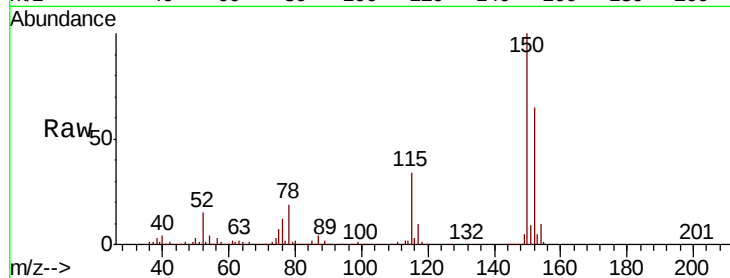
Tot Ion:152 Resp: 97169

Ion Ratio Lower Upper

152 100

115 54.0 40.0 119.9

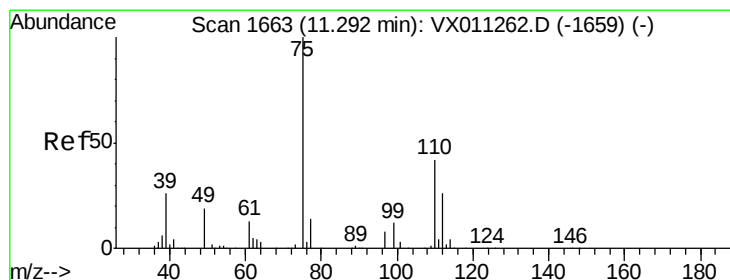
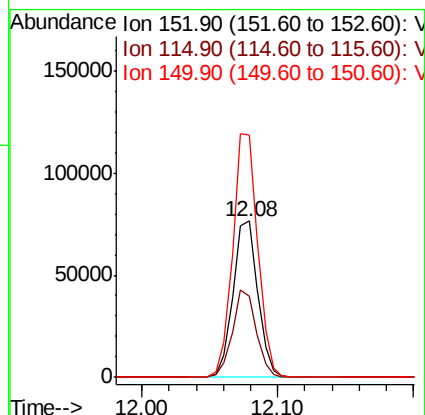
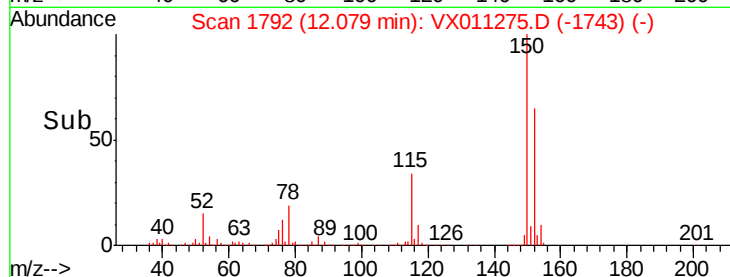
150 156.7 0.0 350.4



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: 25.492 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011275.D

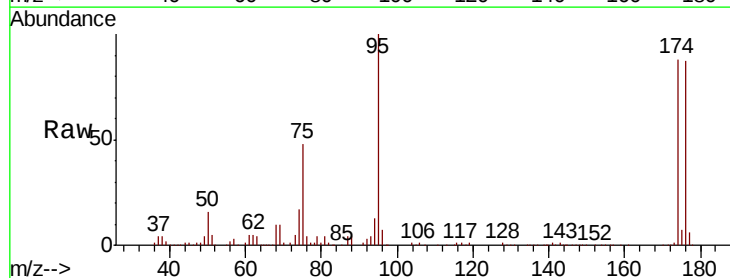
Acq: 01 Aug 2019 22:04

Tgt Ion: 75 Resp: 45109

Ion Ratio Lower Upper

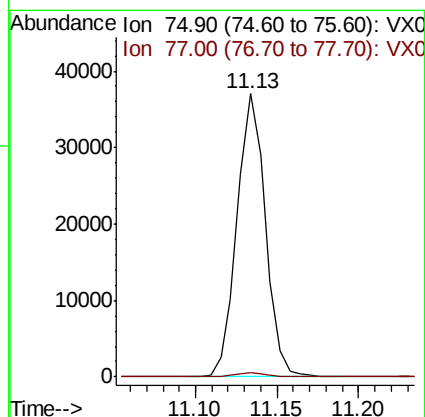
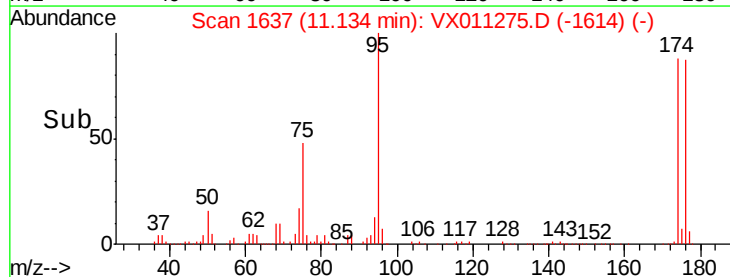
75 100

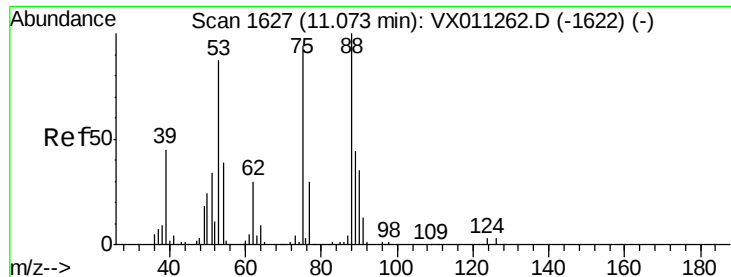
77 1.6 21.1 63.4#



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: 66.433 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011275.D

Acq: 01 Aug 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127D-20190730

Tot Ion: 75 Resp: 45109

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#

