

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011280.D
 Acq On : 02 Aug 2019 00:01
 Operator : JC/SP
 Sample : K4118-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ181I-20190731

Quant Time: Aug 02 02:10:11 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	134185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	216513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90771	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	70177	51.93	ug/l	0.00
Spiked Amount						
			Recovery	=	103.86%	
35) Dibromofluoromethane	5.49	113	67581	47.81	ug/l	0.00
Spiked Amount						
			Recovery	=	95.62%	
50) Toluene-d8	8.71	98	259677	48.67	ug/l	0.00
Spiked Amount						
			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	86216	45.26	ug/l	0.00
Spiked Amount						
			Recovery	=	90.52%	

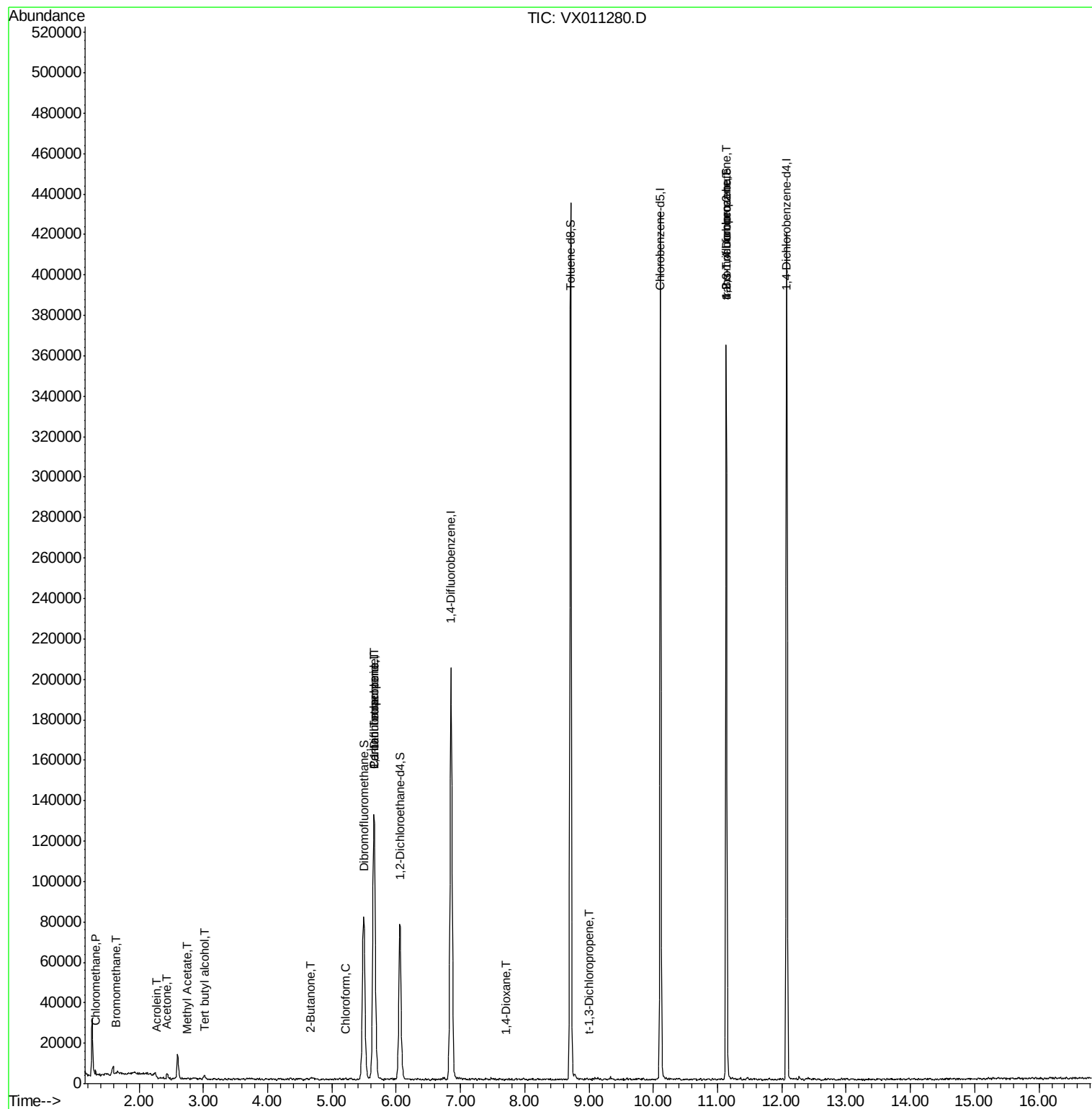
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1147	0.986	ug/l #	84
5) Bromomethane	1.64	94	589	0.645	ug/l #	74
6) Chloroethane	1.73	64	539	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1025	3.826	ug/l #	78
13) Acrolein	2.28	56	208	0.821	ug/l #	82
16) Acetone	2.43	43	2893	4.498	ug/l	95
18) Methyl Acetate	2.76	43	377	0.256	ug/l #	60
25) 2-Butanone	4.66	43	193	0.211	ug/l #	46
30) Chloroform	5.21	83	466	0.203	ug/l #	66
36) 1,1-Dichloropropene	5.65	75	8838	4.675	ug/l #	44
38) Carbon Tetrachloride	5.66	117	12410	6.525	ug/l #	15
49) 1,4-Dioxane	7.71	88	48	1.161	ug/l #	1
53) t-1,3-Dichloropropene	9.00	75	47	2.860	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	42239	25.552	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	42239	66.580	ug/l #	10

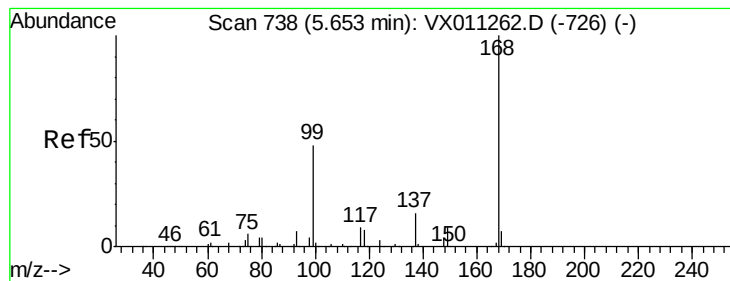
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

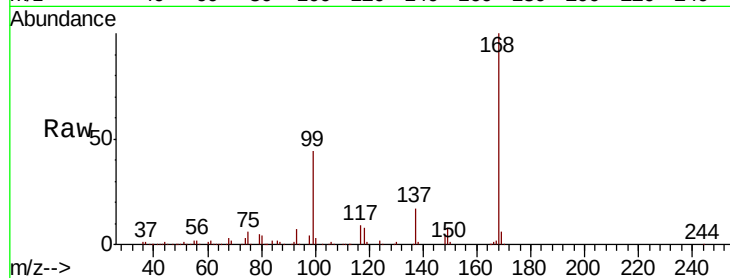
SA-PZ181I-20190731

Tot Ion:168 Resp: 134185

Ion Ratio Lower Upper

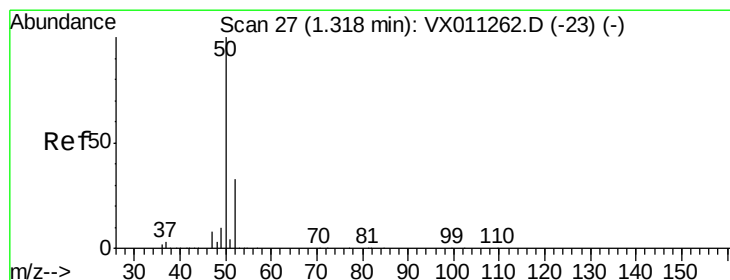
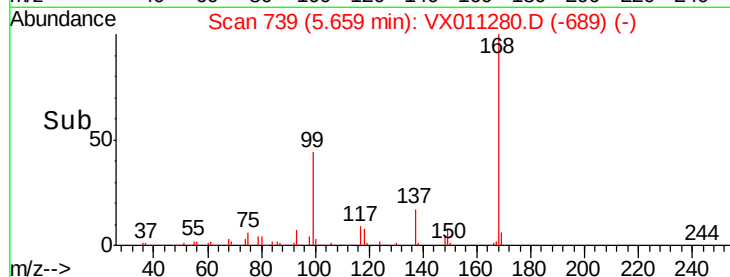
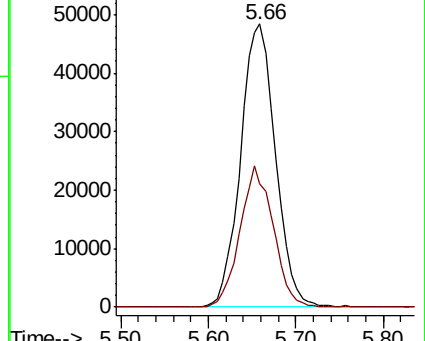
168 100

99 43.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.986 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011280.D

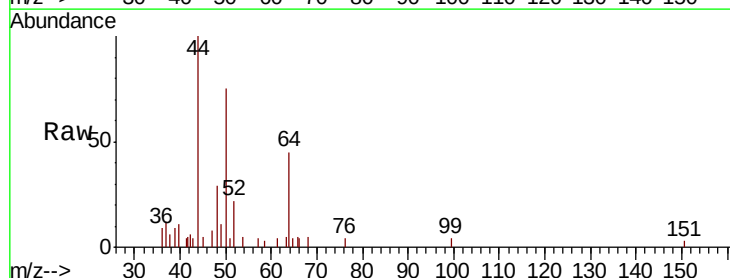
Acq: 02 Aug 2019 00:01

Tgt Ion: 50 Resp: 1147

Ion Ratio Lower Upper

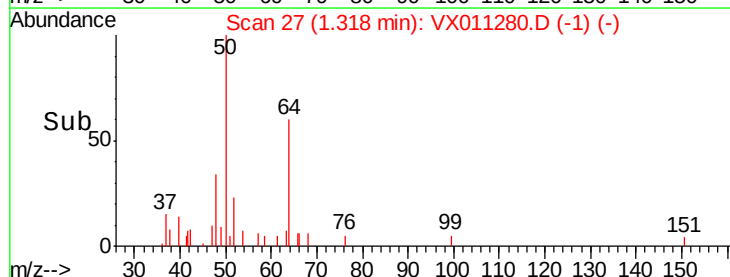
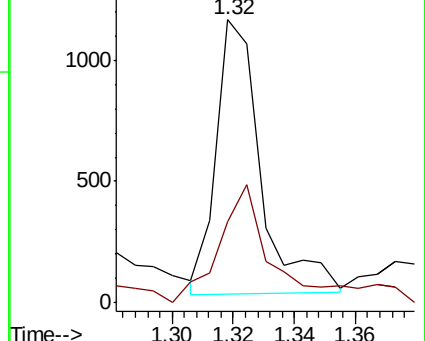
50 100

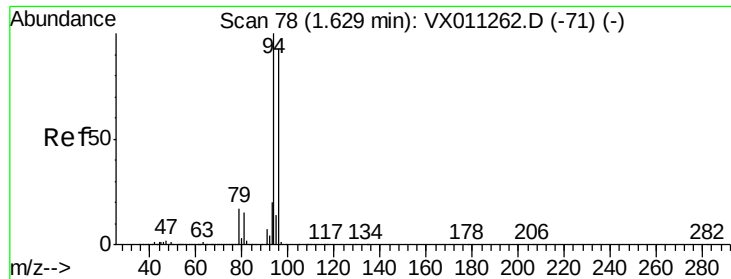
52 23.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.645 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

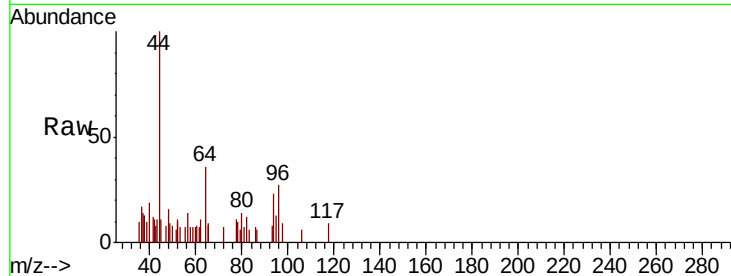
SA-PZ181I-20190731

Tot Ion: 94 Resp: 589

Ion Ratio Lower Upper

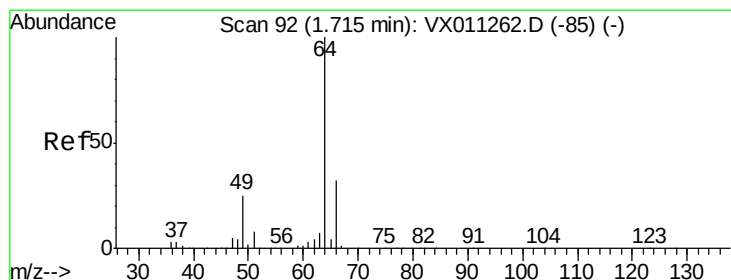
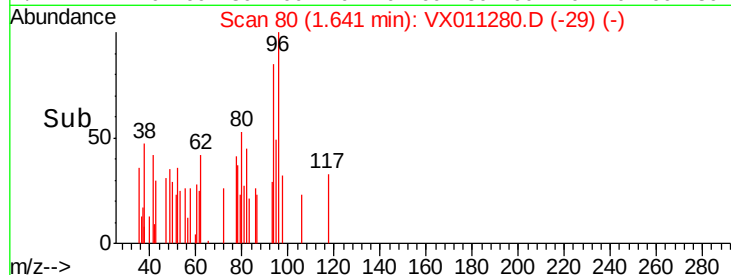
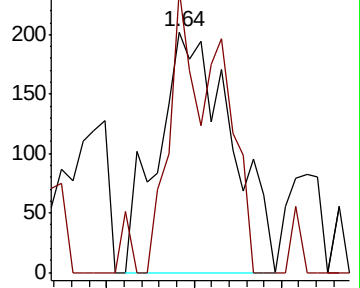
94 100

96 117.8 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: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011280.D

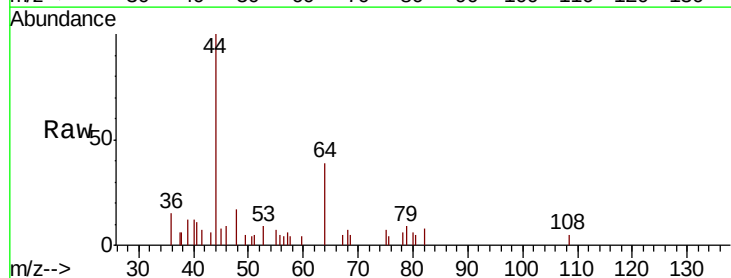
Acq: 02 Aug 2019 00:01

Tgt Ion: 64 Resp: 539

Ion Ratio Lower Upper

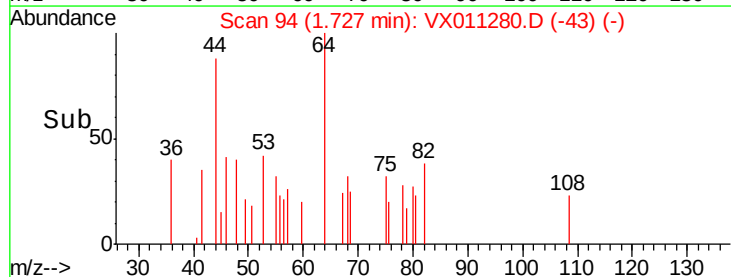
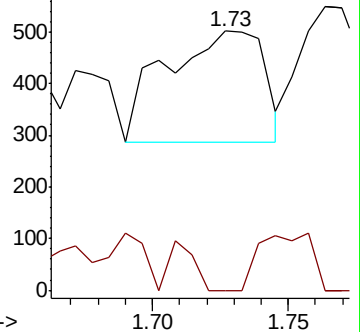
64 100

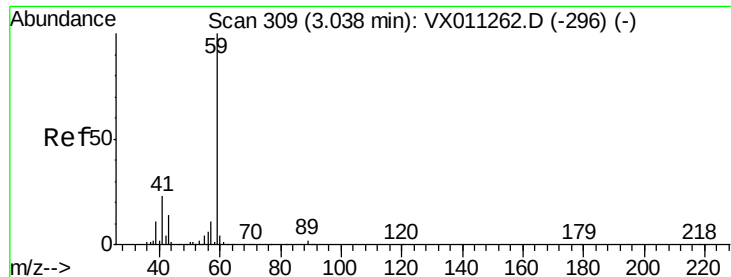
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

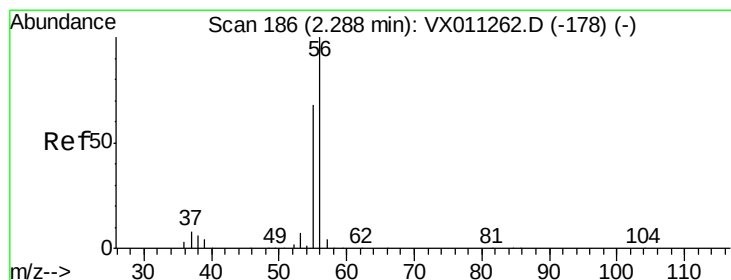
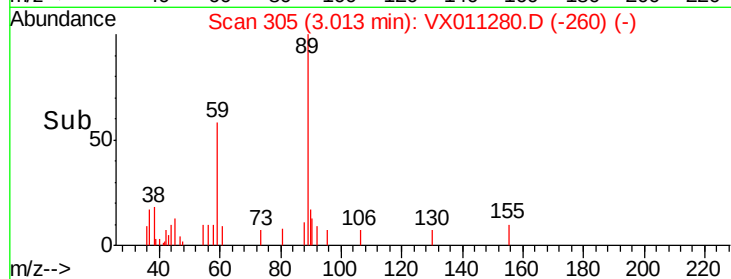
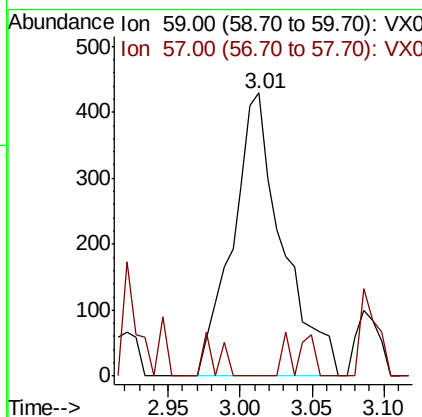
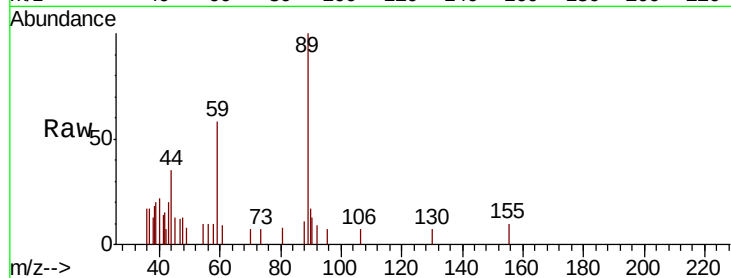




#11
Tert butyl alcohol
Concen: 3.826 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

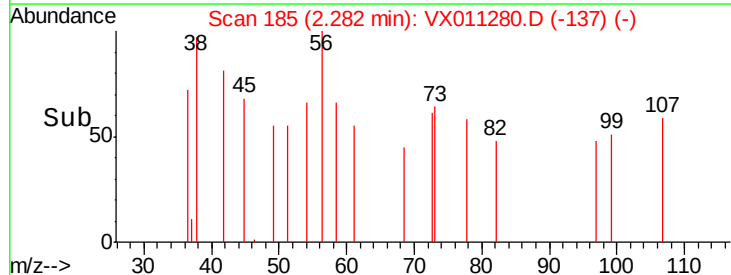
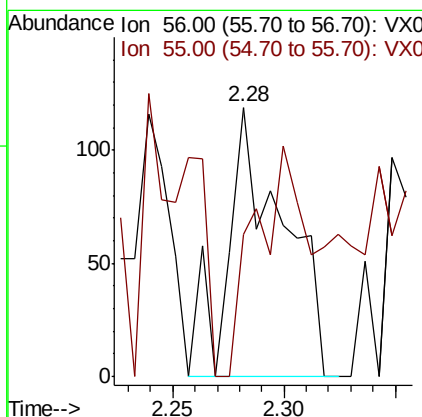
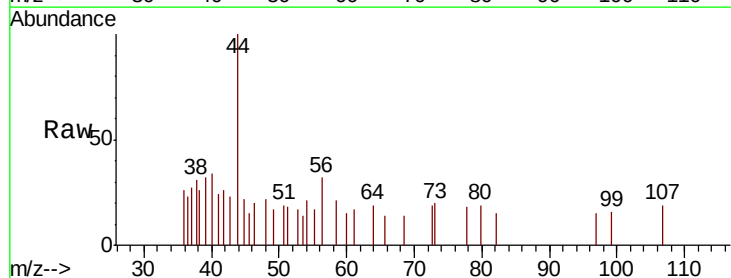
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ181I-20190731

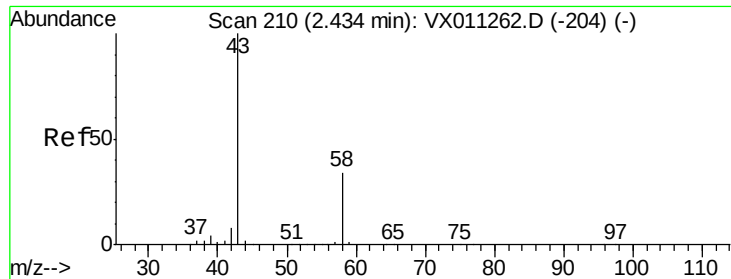
Tot Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



#13
Acrolein
Concen: 0.821 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 84.6 56.0 84.0#





#16

Acetone

Concen: 4.498 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

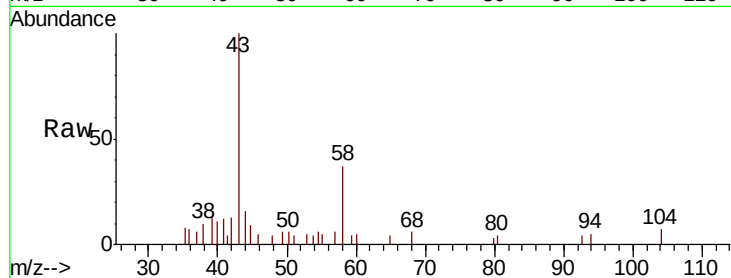
SA-PZ181I-20190731

Tot Ion: 43 Resp: 2893

Ion Ratio Lower Upper

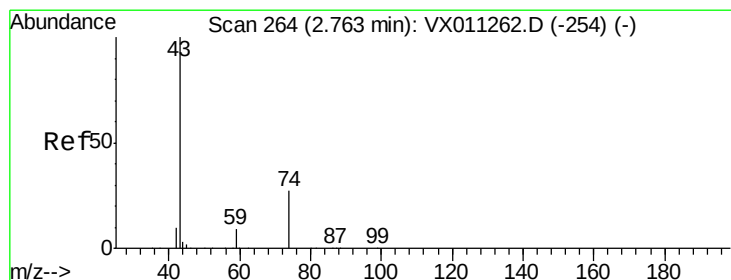
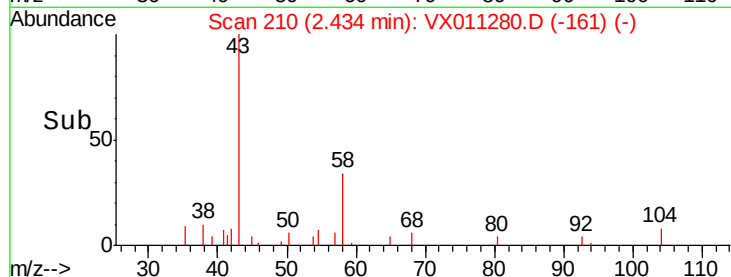
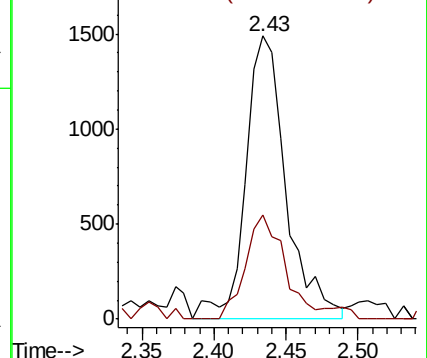
43 100

58 36.9 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: 0.256 ug/l

RT: 2.76 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX011280.D

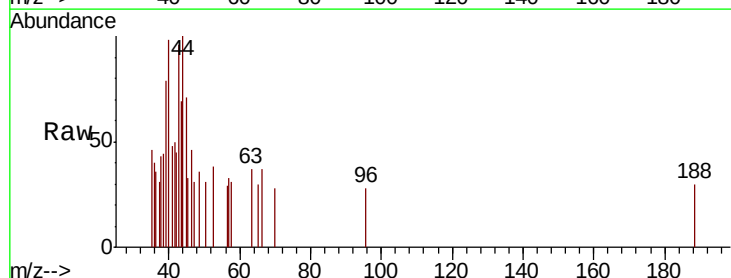
Acq: 02 Aug 2019 00:01

Tgt Ion: 43 Resp: 377

Ion Ratio Lower Upper

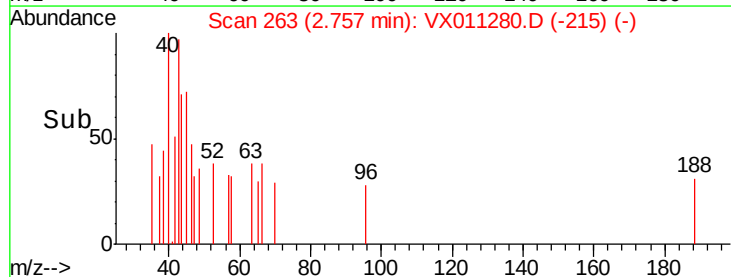
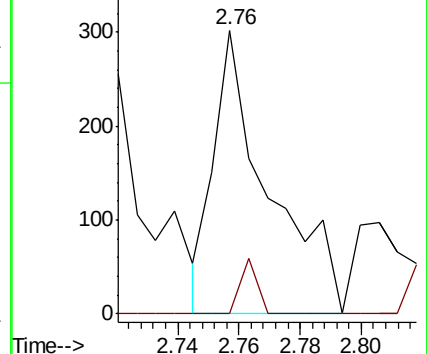
43 100

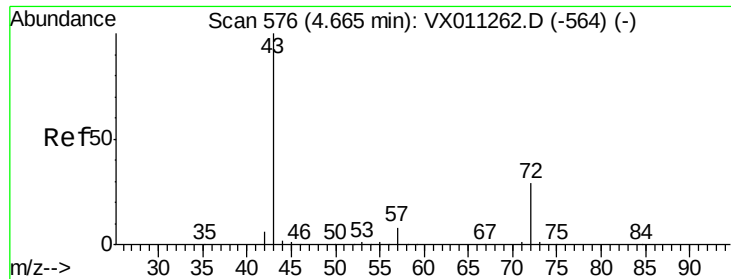
74 5.8 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.211 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

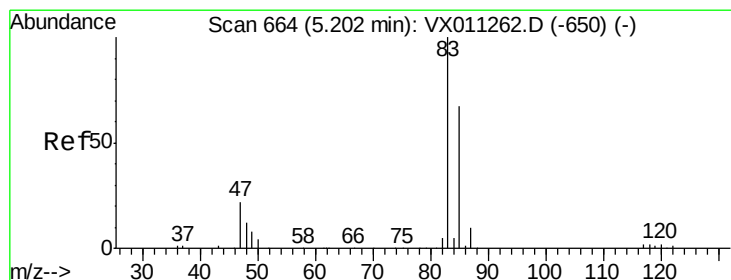
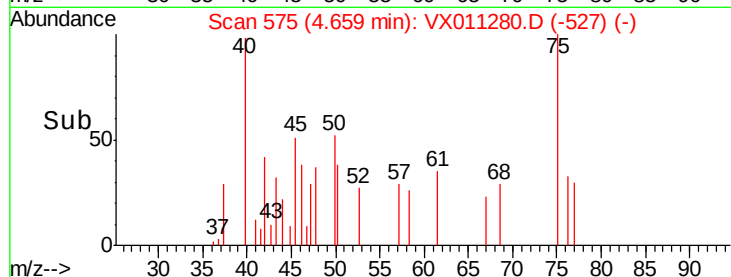
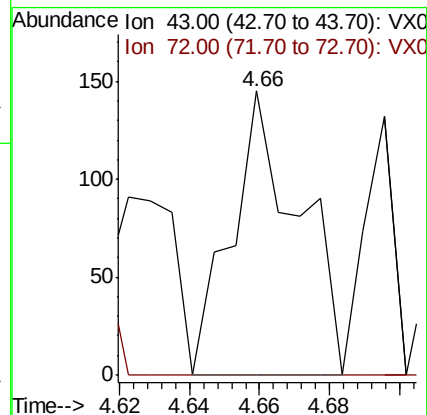
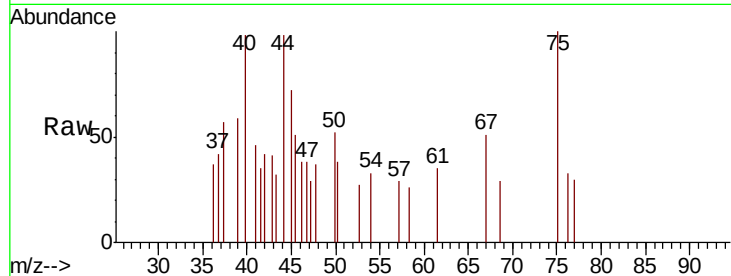
SA-PZ181I-20190731

Tot Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#30

Chloroform

Concen: 0.203 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX011280.D

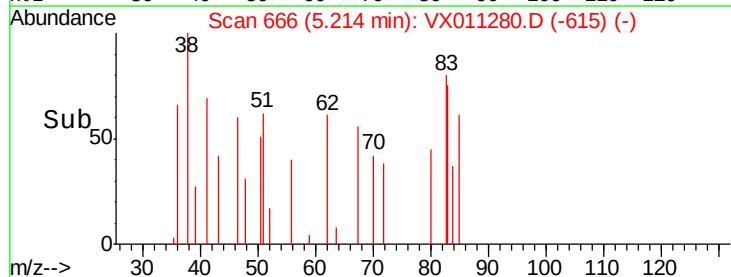
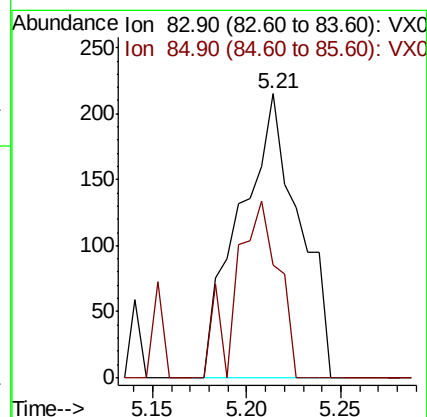
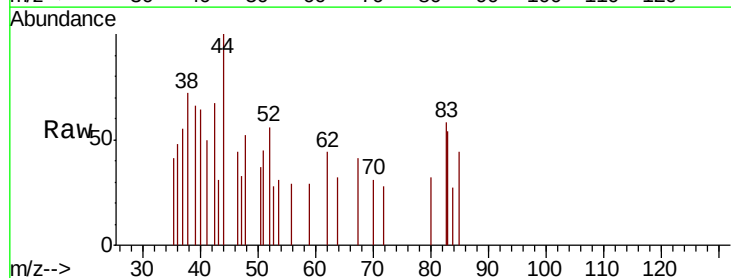
Acq: 02 Aug 2019 00:01

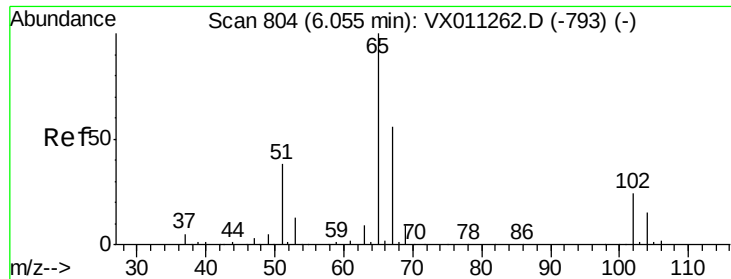
Tgt Ion: 83 Resp: 466

Ion Ratio Lower Upper

83 100

85 39.5 53.4 80.0#

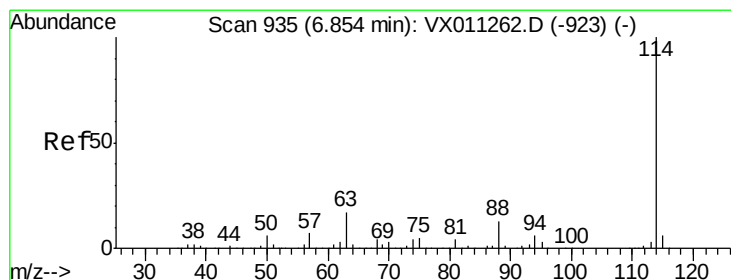
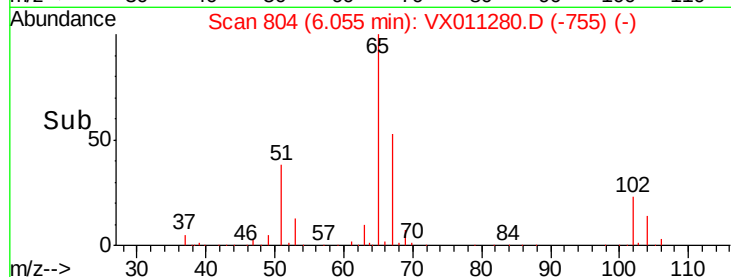
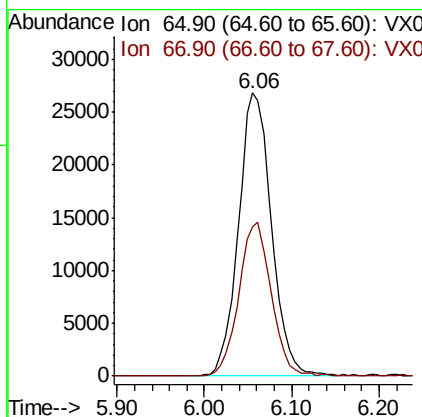
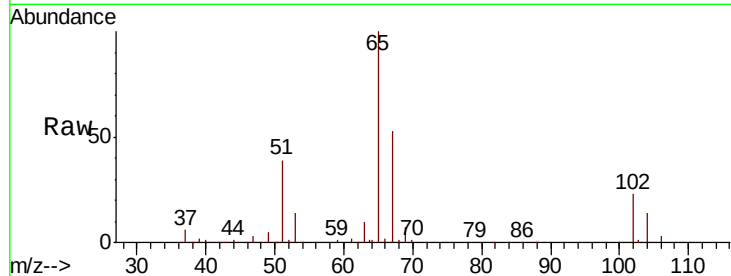




#33
 1,2-Dichloroethane-d4
 Concen: 51.932 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011280.D
 Acq: 02 Aug 2019 00:01

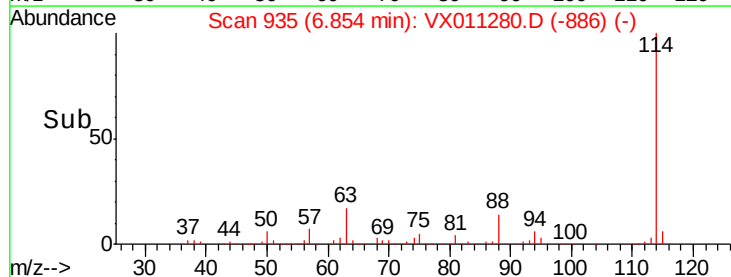
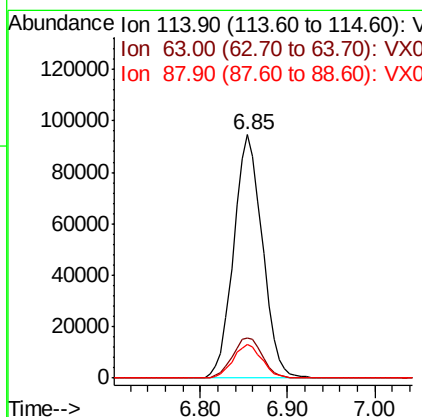
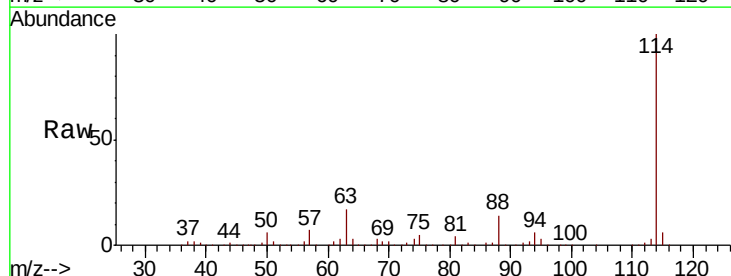
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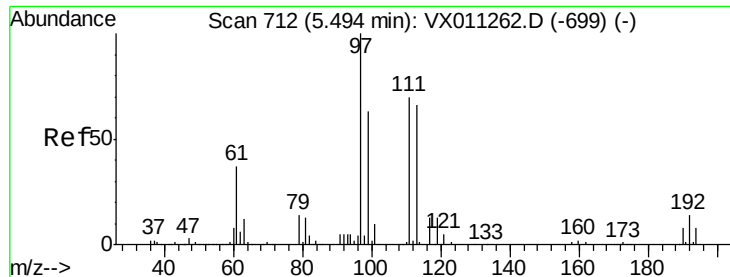
Tot Ion: 65 Resp: 70177
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011280.D
 Acq: 02 Aug 2019 00:01

Tgt Ion: 114 Resp: 216513
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 34.0
 88 14.0 0.0 26.4

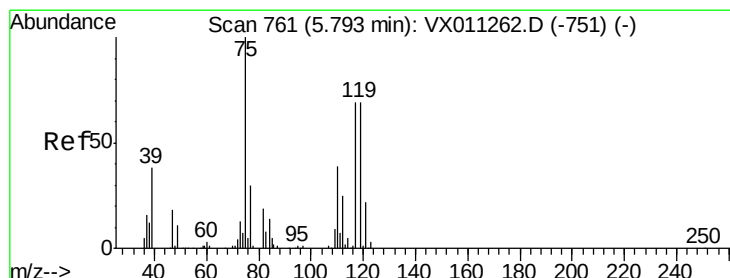
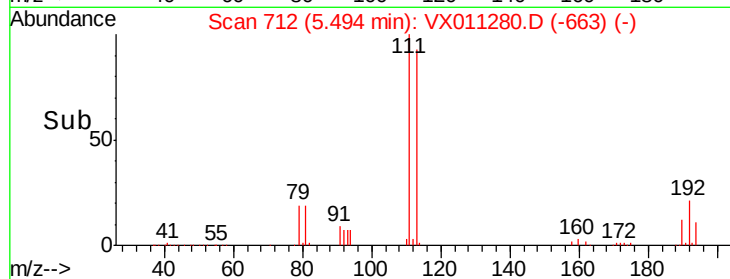
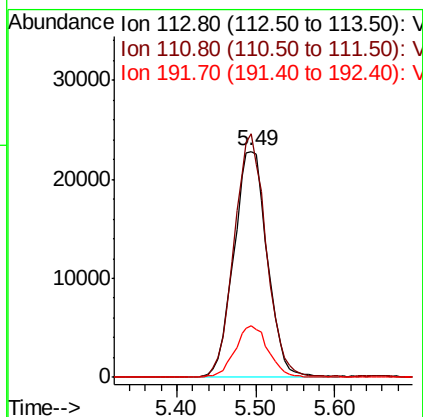
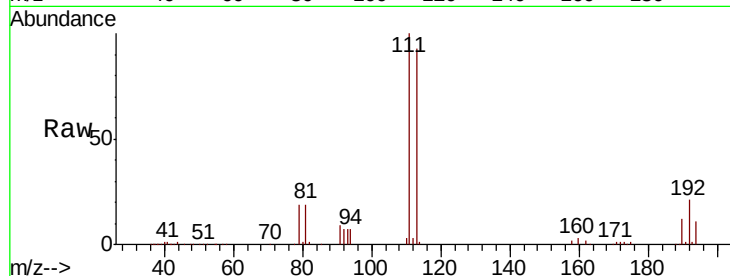




#35
 Dibromofluoromethane
 Concen: 47.809 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011280.D
 Acq: 02 Aug 2019 00:01

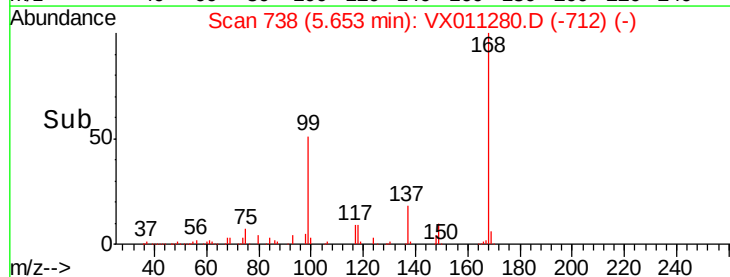
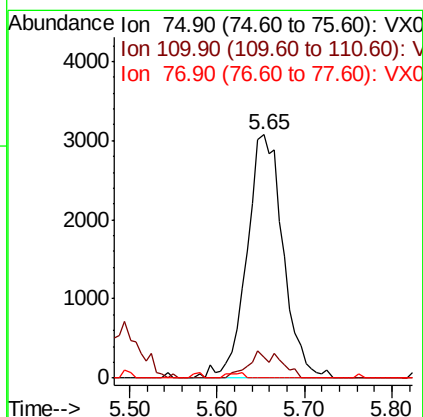
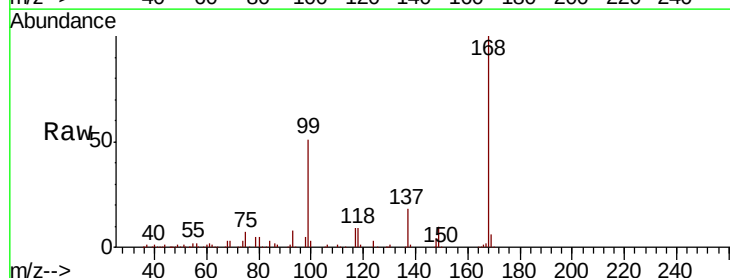
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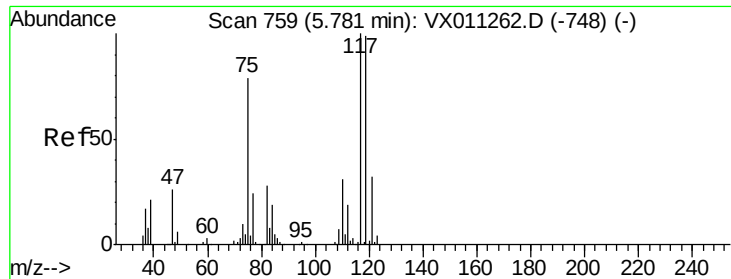
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	22.3	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011280.D
 Acq: 02 Aug 2019 00:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	20.0	59.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ181I-20190731

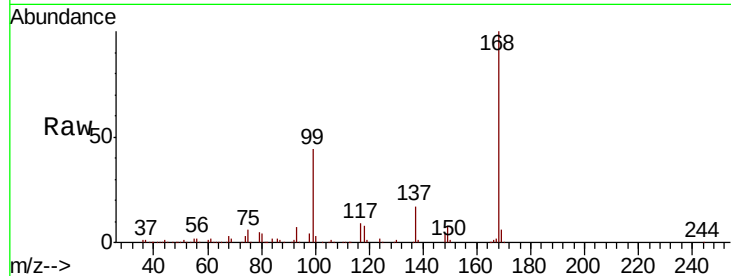
Tot Ion:117 Resp: 12410

Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.4#

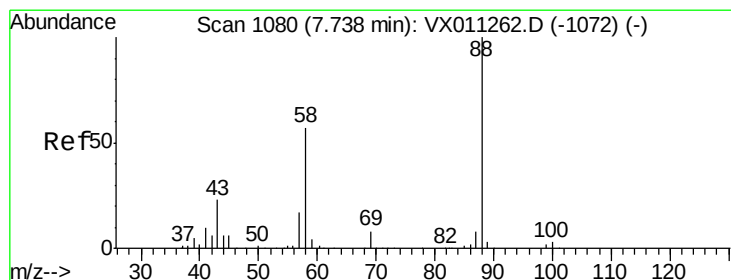
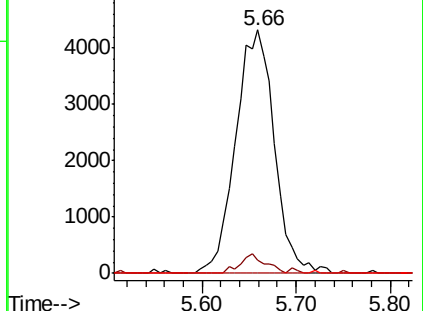
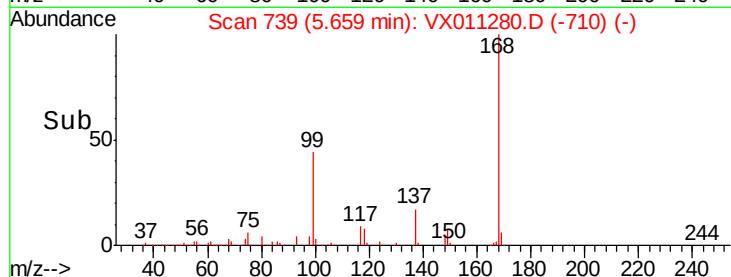
121 0.0 25.9 38.9#



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: 1.161 ug/l

RT: 7.71 min Scan# 1075

Delta R.T. -0.03 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

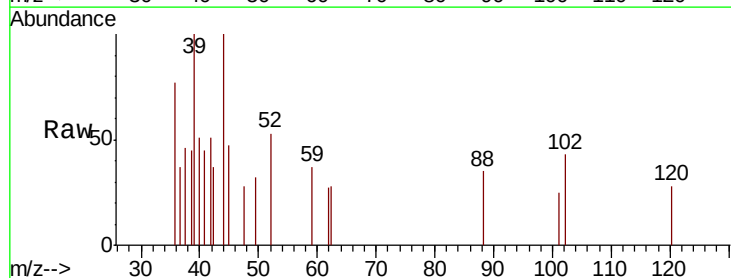
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 185.4 22.2 33.2#

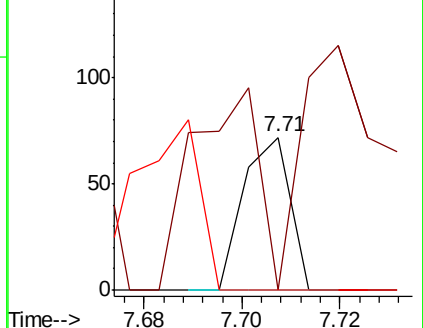
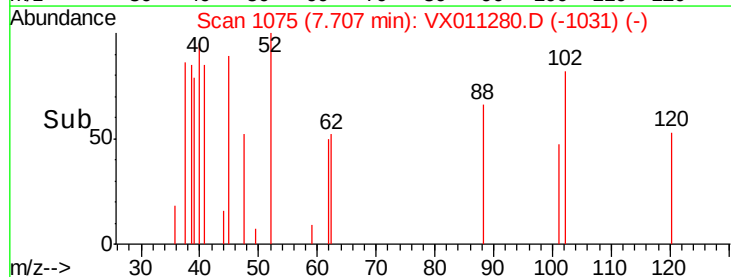
58 150.0 47.8 71.8#

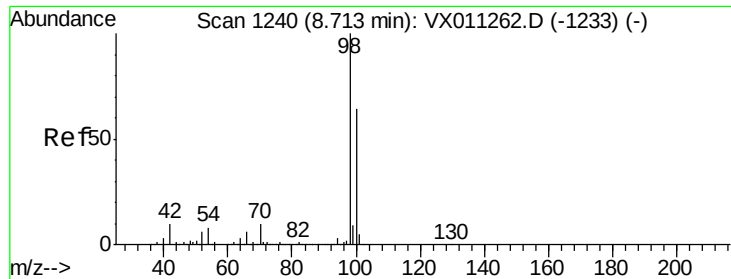


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

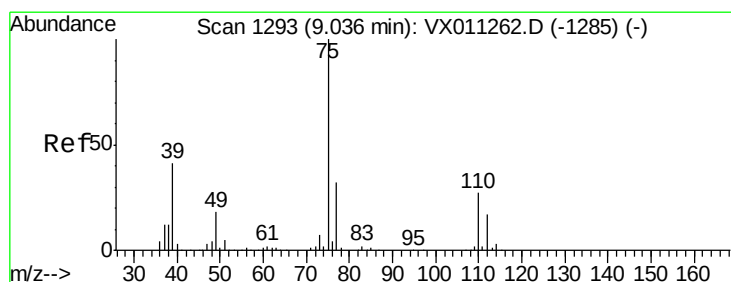
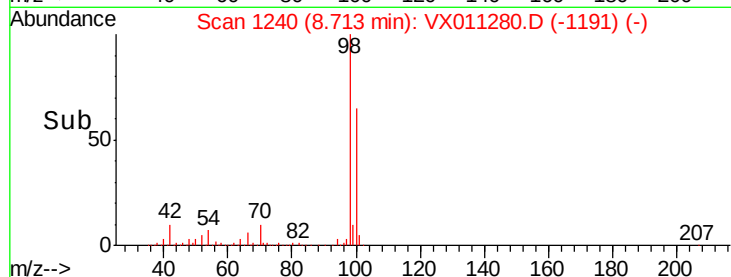
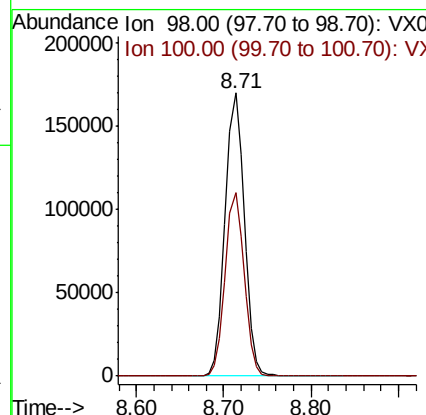
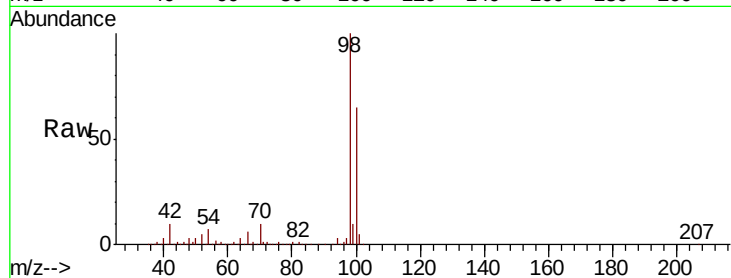




#50
Toluene-d8
Concen: 48.667 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

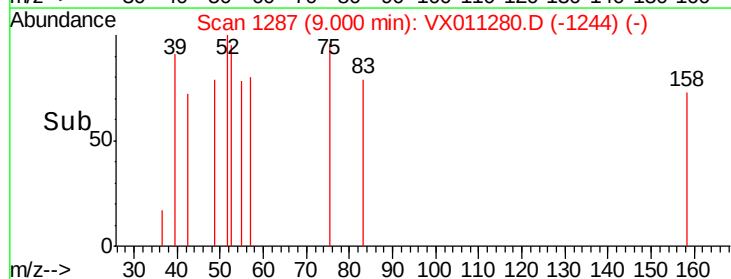
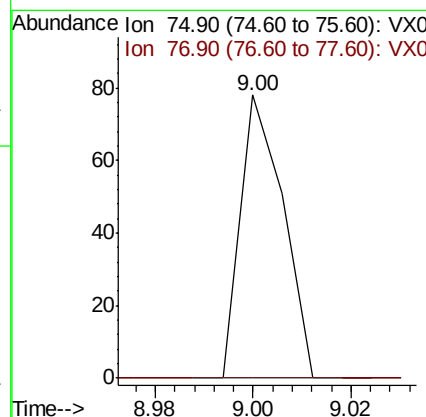
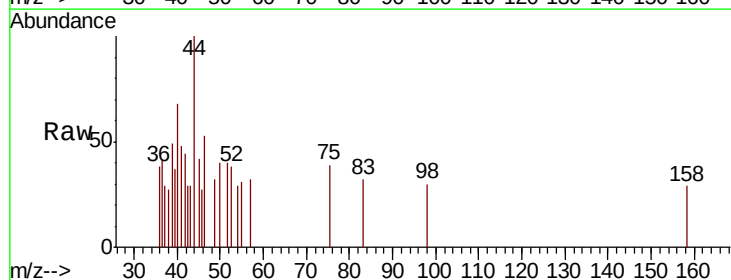
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ181I-20190731

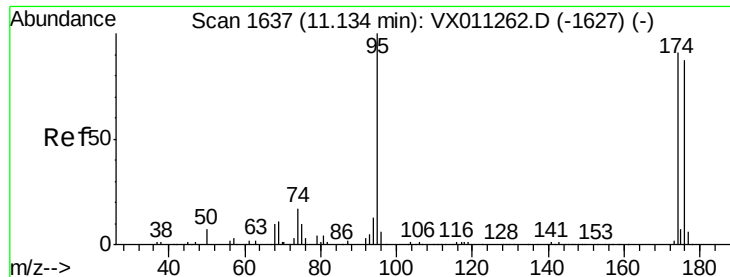
Tot Ion: 98 Resp: 259677
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.860 ug/l
RT: 9.00 min Scan# 1287
Delta R.T. -0.04 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 45.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ181I-20190731

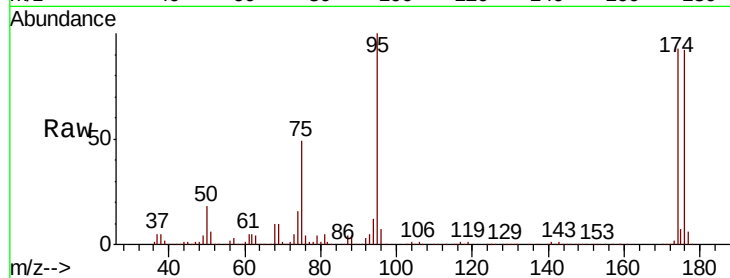
Tot Ion: 95 Resp: 86216

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.2

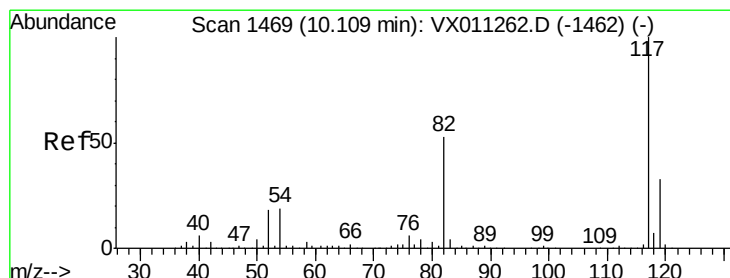
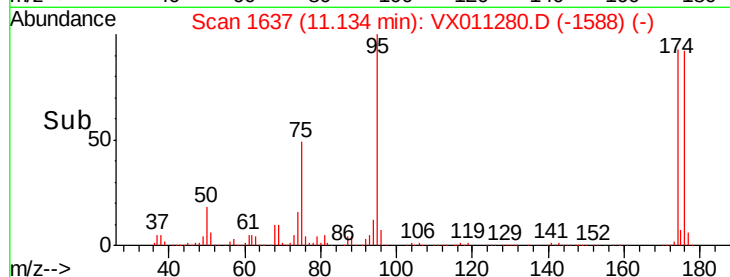
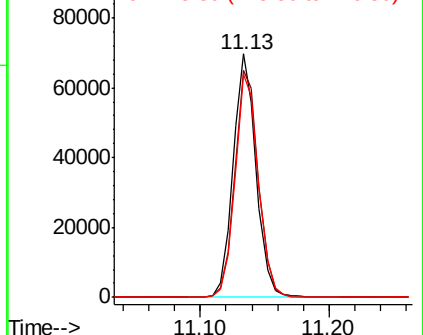
176 92.9 0.0 184.8



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: VX011280.D

Acq: 02 Aug 2019 00:01

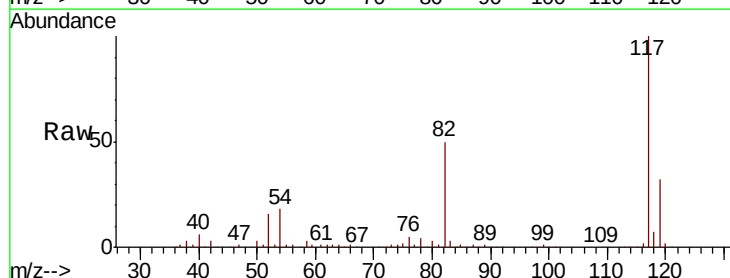
Tgt Ion: 117 Resp: 204083

Ion Ratio Lower Upper

117 100

82 50.1 42.2 63.2

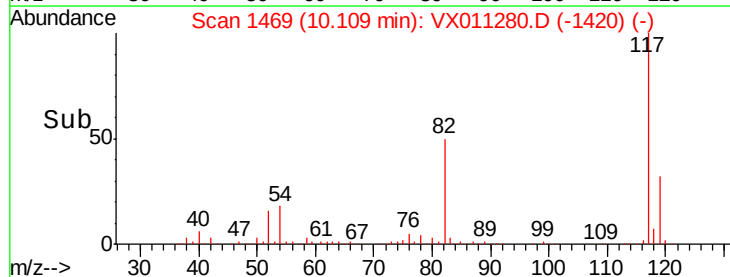
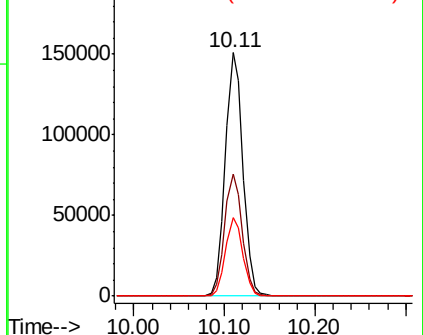
119 32.3 26.6 39.8

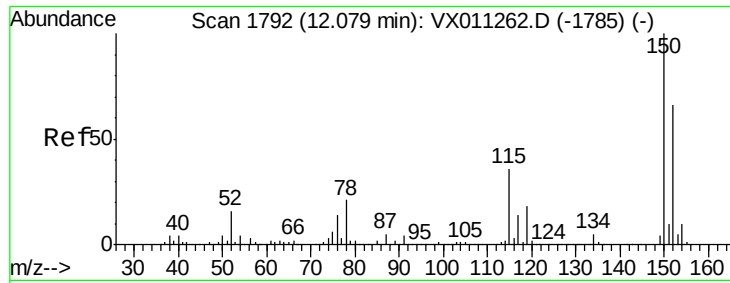


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



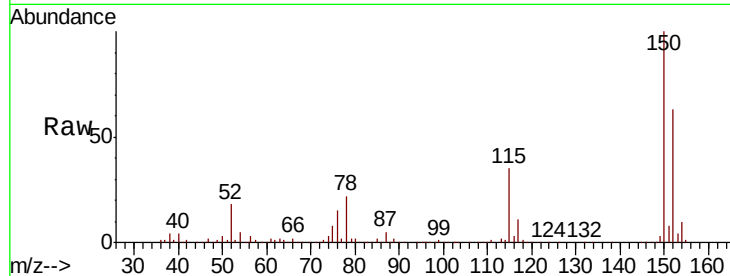


#72

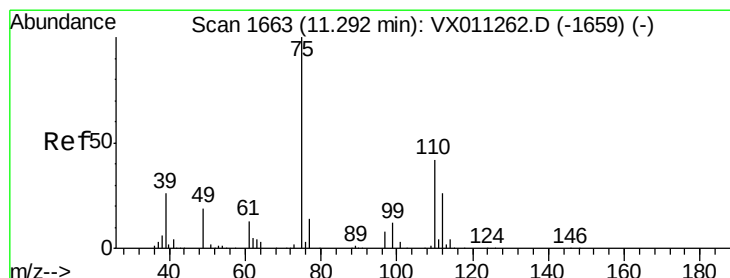
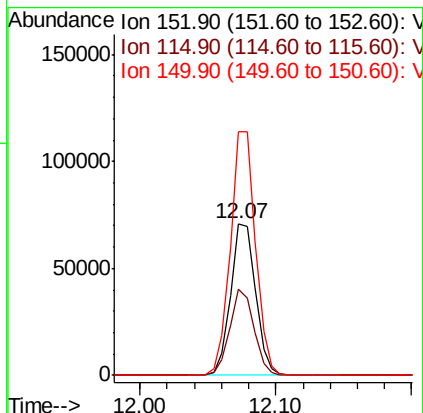
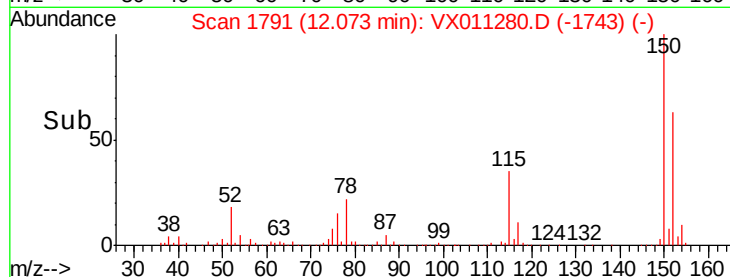
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ181I-20190731

Tot Ion:152 Resp: 90771
Ion Ratio Lower Upper
152 100
115 55.0 40.0 119.9
150 161.4 0.0 350.4



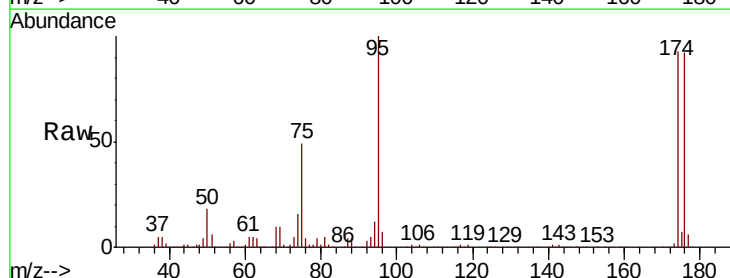
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



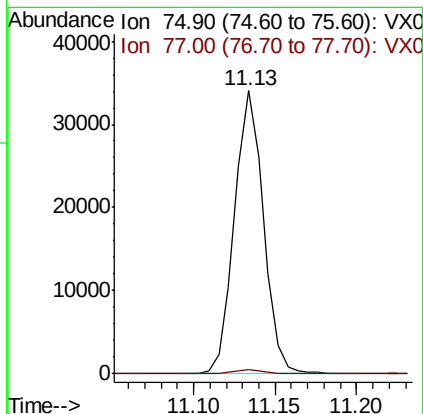
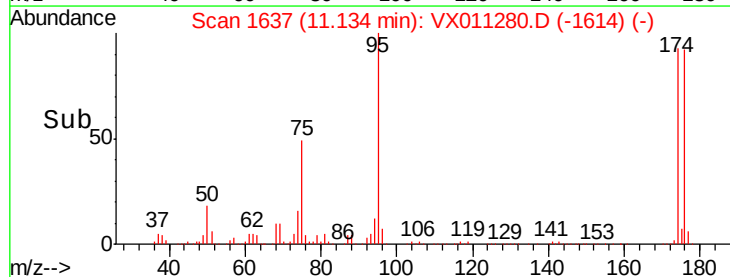
#76

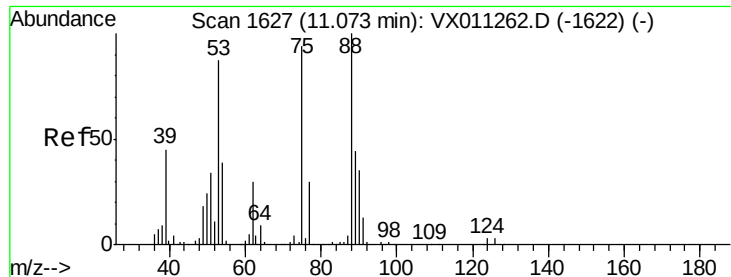
1,2,3-Trichloropropane
Concen: 25.552 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011280.D
Acq: 02 Aug 2019 00:01

Tgt Ion: 75 Resp: 42239
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: 66.580 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011280.D

Acq: 02 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ181I-20190731

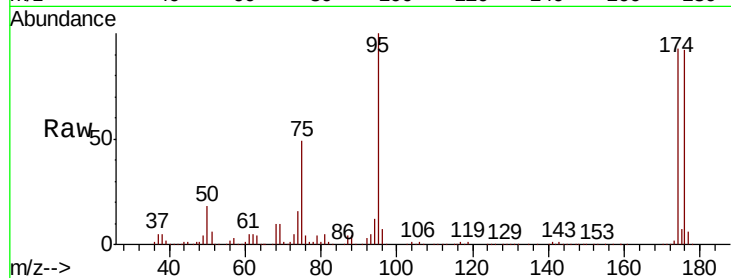
Tot Ion: 75 Resp: 42239

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.1 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

