

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090320\
 Data File : VX018232.D
 Acq On : 03 Sep 2020 14:14
 Operator : JC/SP
 Sample : L3903-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ140I-20200902

Quant Time: Sep 04 01:20:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	485283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	773476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	738116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	345312	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	345227	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	5.47	113	269889	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	8.70	98	942565	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.12	95	339889	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

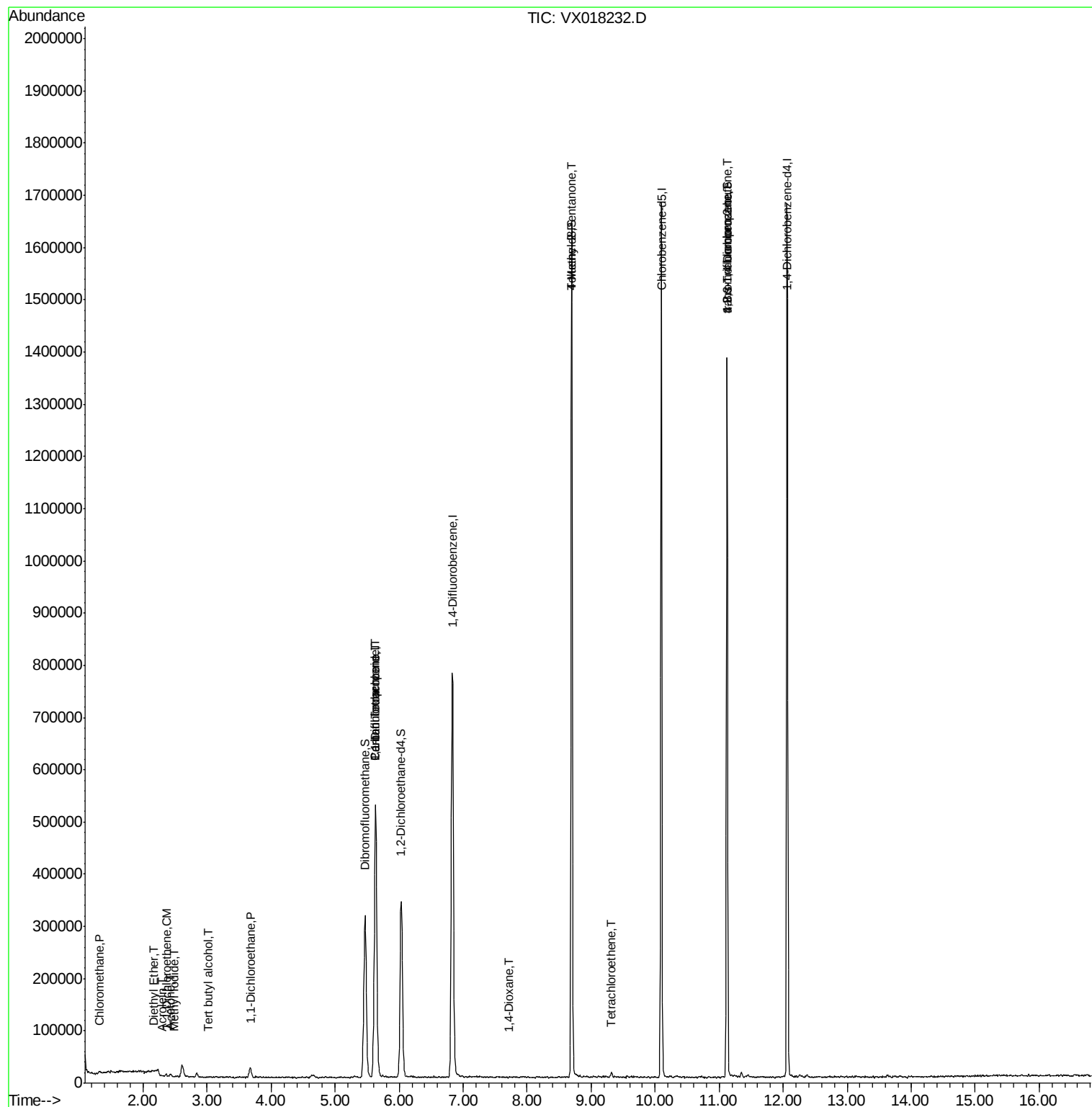
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4149	0.666	ug/l #	87
8) Diethyl Ether	2.17	74	906	0.316	ug/l	63
10) Methyl Iodide	2.48	142	127	5.310	ug/l #	48
11) Tert butyl alcohol	3.01	59	331	0.253	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1382	0.291	ug/l #	77
13) Acrolein	2.30	56	395	0.727	ug/l #	14
16) Acetone	2.43	43	7200	2.743	ug/l #	86
20) Methylene Chloride	2.84	84	3952	Below Cal	#	80
24) 1,1-Dichloroethane	3.68	63	20435	2.135	ug/l	99
36) 1,1-Dichloropropene	5.64	75	38269	5.364	ug/l #	51
38) Carbon Tetrachloride	5.63	117	49692	6.181	ug/l #	18
49) 1,4-Dioxane	7.71	88	148	1.226	ug/l #	1
51) 4-Methyl-2-Pentanone	8.70	43	5097	0.617	ug/l #	1
64) Tetrachloroethene	9.32	164	1091	0.201	ug/l #	58
76) 1,2,3-Trichloropropane	11.12	75	172305	22.431	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172305	60.582	ug/l #	12

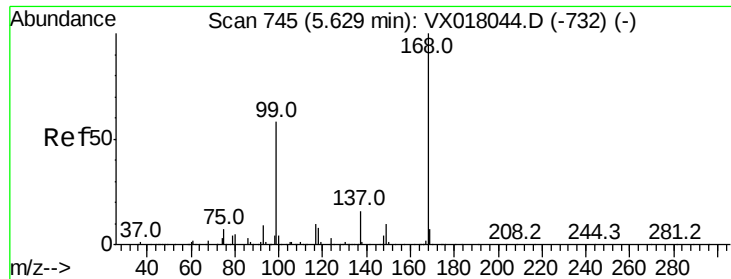
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

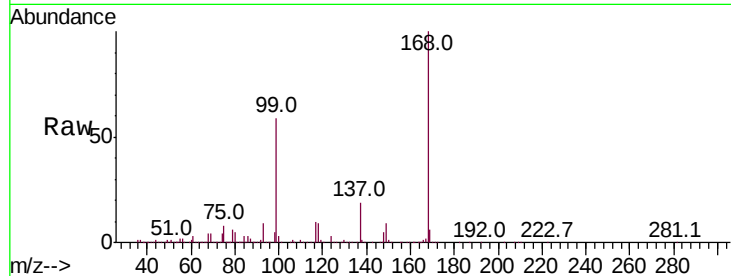
SA-PZ140I-20200902

Tot Ion:168 Resp: 485283

Ion Ratio Lower Upper

168 100

99 59.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX018044.D (-732) (-)

Ion 98.90 (98.60 to 99.60): VX018044.D (-732) (-)

5.63

200000

150000

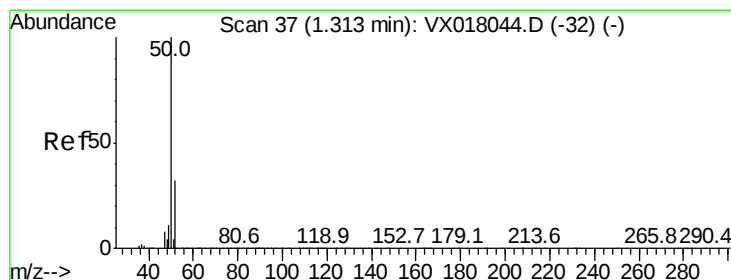
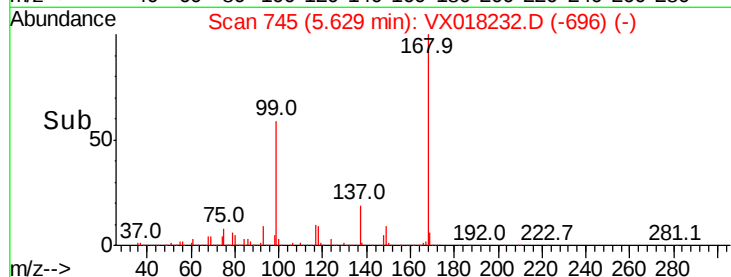
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.666 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018232.D

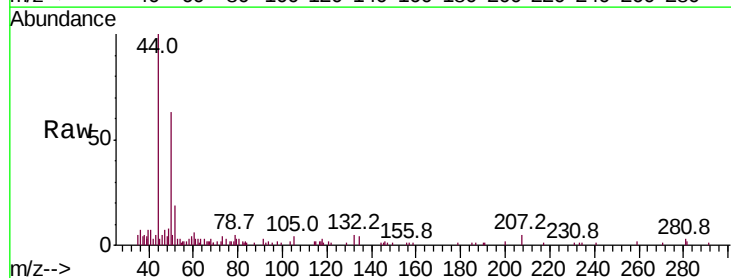
Acq: 03 Sep 2020 14:14

Tgt Ion: 50 Resp: 4149

Ion Ratio Lower Upper

50 100

52 24.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX018044.D (-32) (-)

Ion 51.90 (51.60 to 52.60): VX018044.D (-32) (-)

1.31

4000

3000

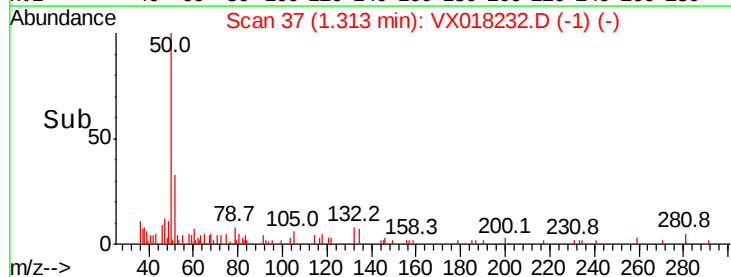
2000

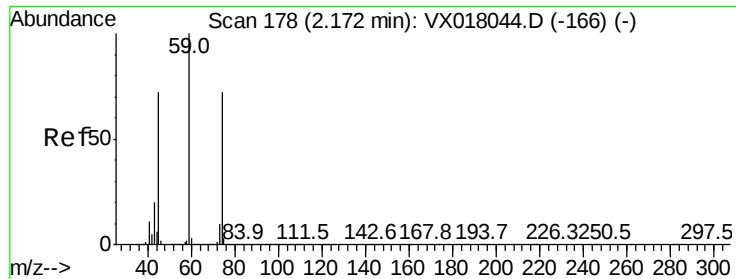
1000

0

1.25 1.30 1.35 1.40

Time-->





#8

Diethyl Ether

Concen: 0.316 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

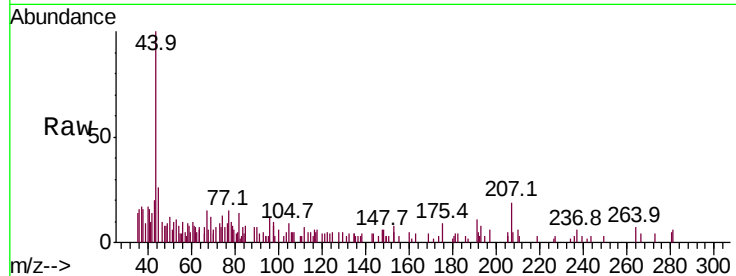
SA-PZ140I-20200902

Tot Ion: 74 Resp: 906

Ion Ratio Lower Upper

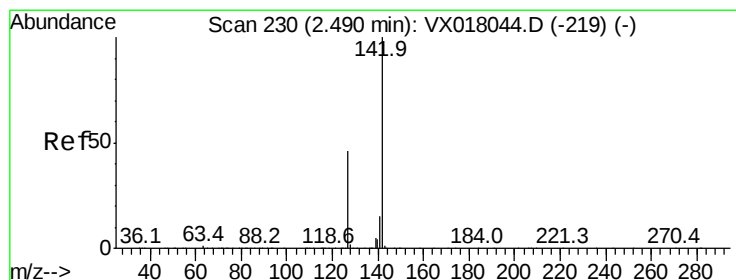
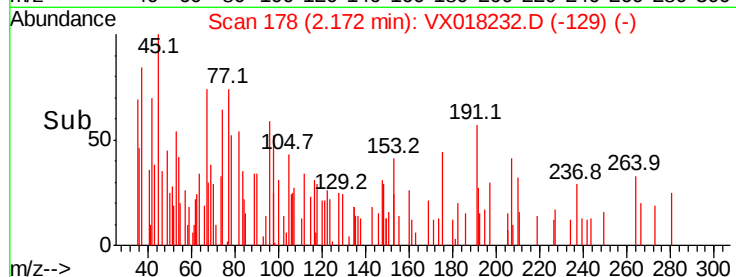
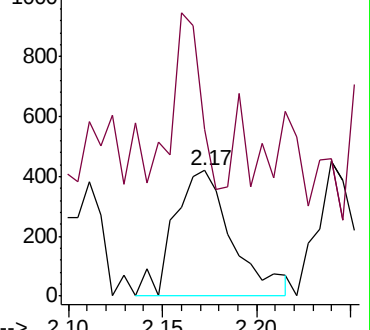
74 100

45 64.6 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.310 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

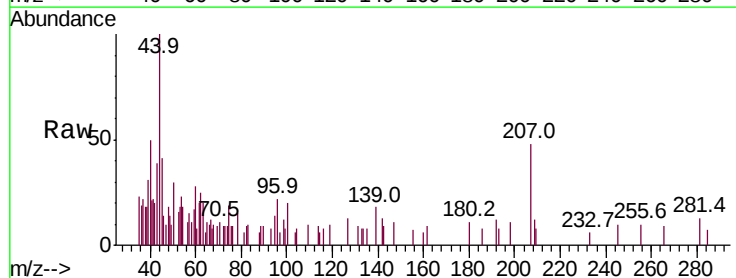
Tgt Ion: 142 Resp: 127

Ion Ratio Lower Upper

142 100

127 84.3 37.0 55.6#

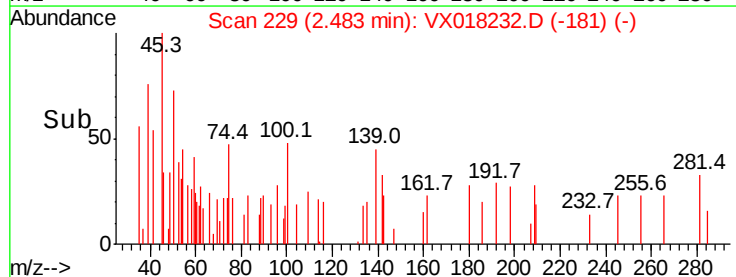
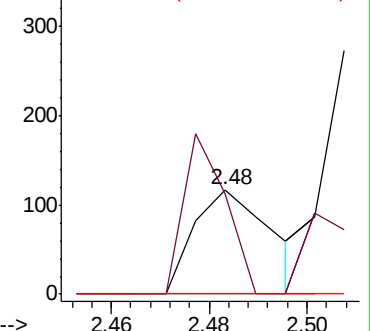
141 0.0 11.5 17.3#

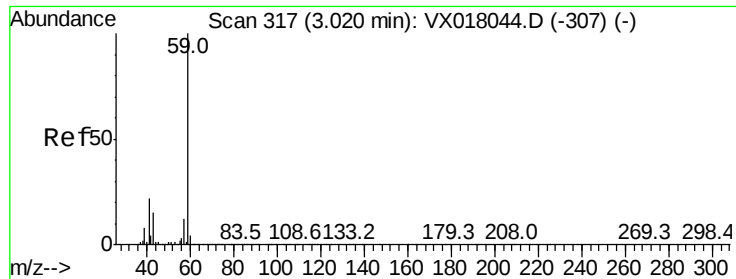


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



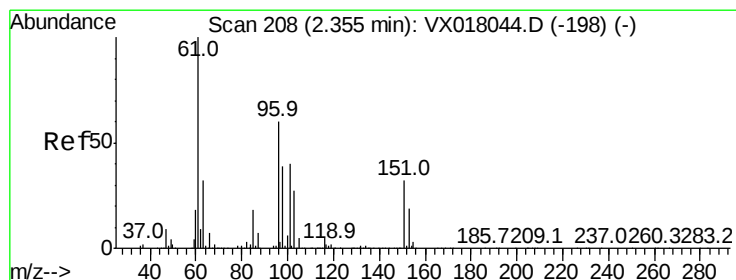
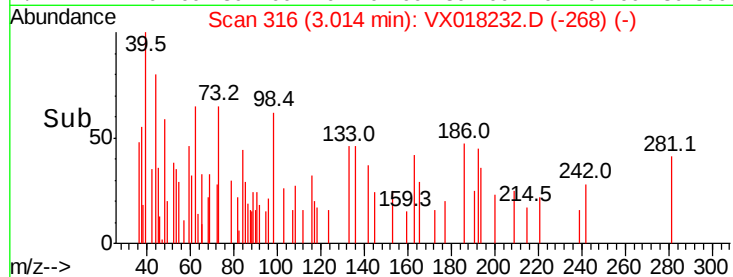
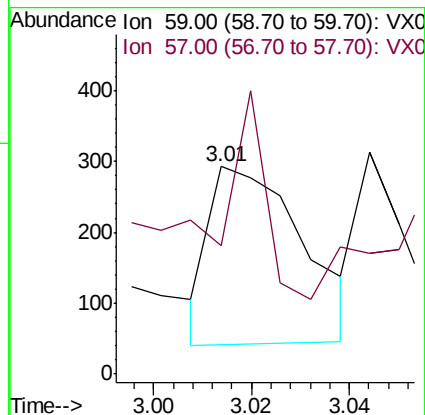
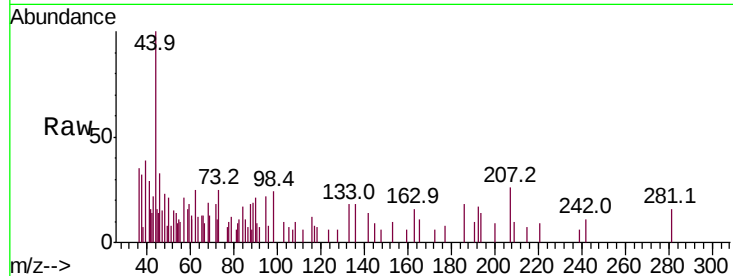


#11

Tert butyl alcohol
Concen: 0.253 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20200902

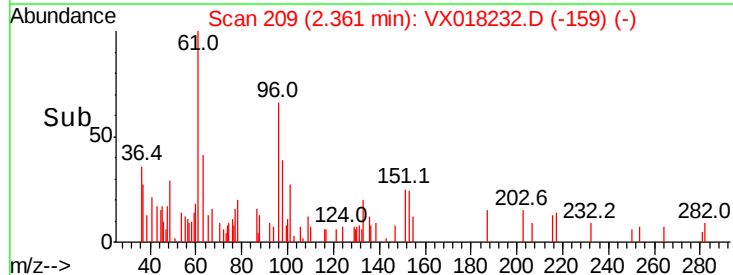
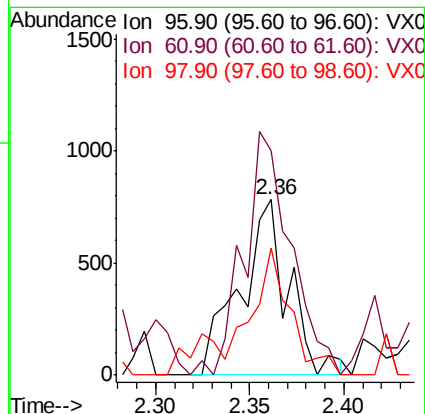
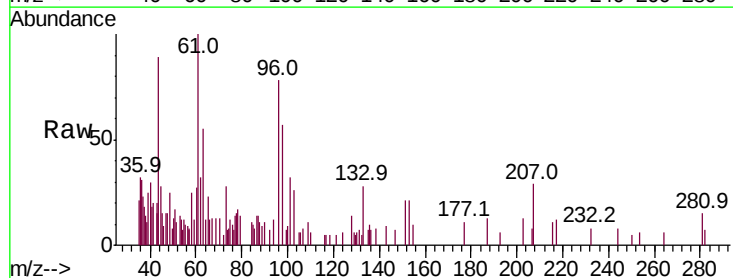
Tot Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 55.9 8.9 13.3#

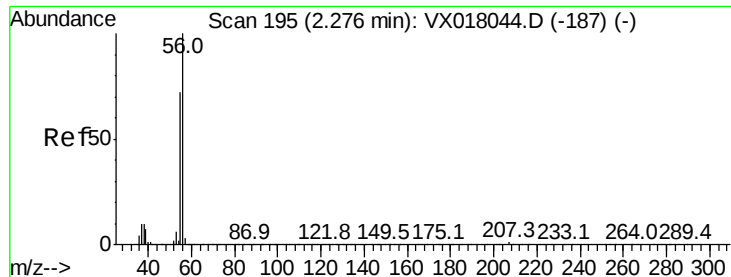


#12

1,1-Dichloroethene
Concen: 0.291 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

Tgt Ion: 96 Resp: 1382
Ion Ratio Lower Upper
96 100
61 127.9 133.0 199.4#
98 72.8 51.6 77.4





#13

Acrolein

Concen: 0.727 ug/l

RT: 2.30 min Scan# 199

Delta R.T. 0.02 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

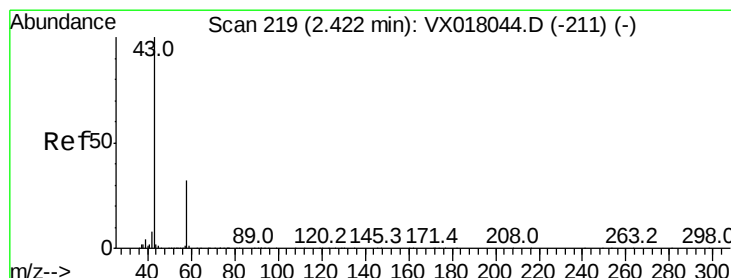
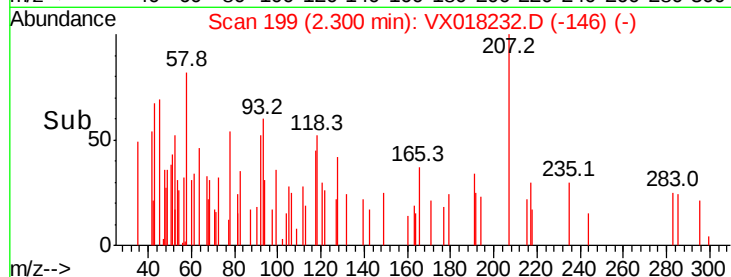
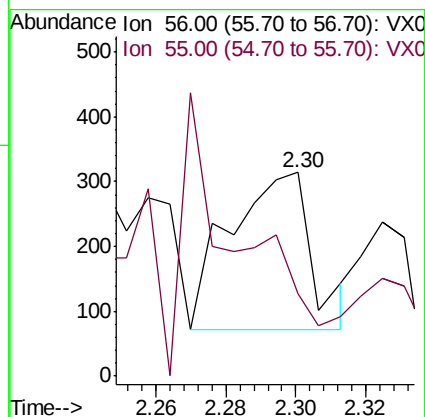
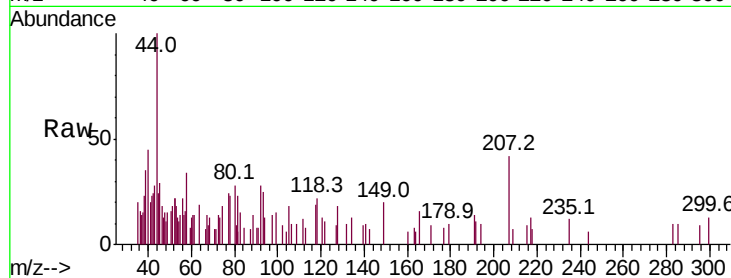
SA-PZ140I-20200902

Tot Ion: 56 Resp: 395

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 2.743 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018232.D

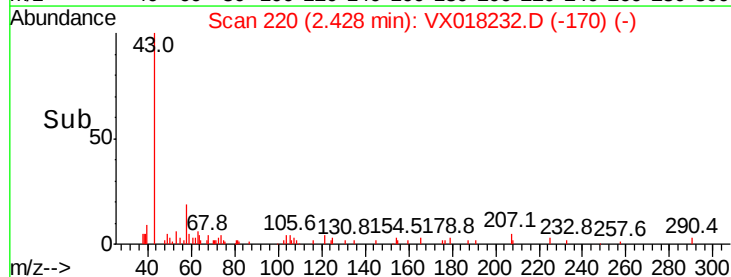
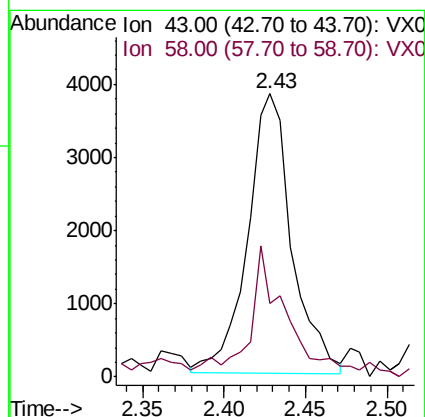
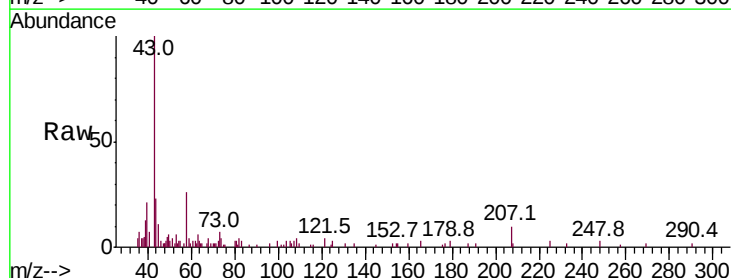
Acq: 03 Sep 2020 14:14

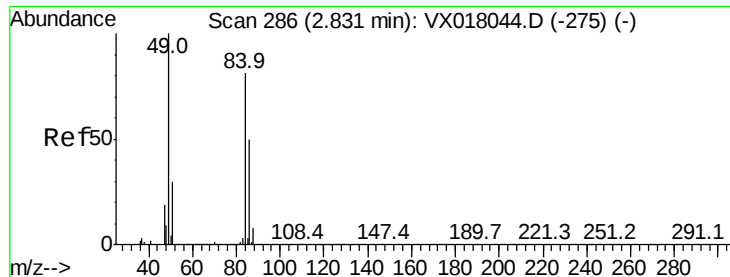
Tgt Ion: 43 Resp: 7200

Ion Ratio Lower Upper

43 100

58 24.3 25.5 38.3#

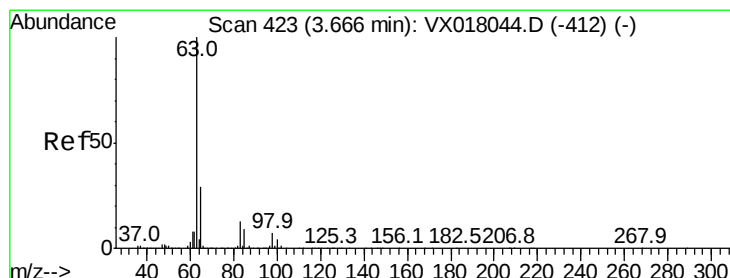
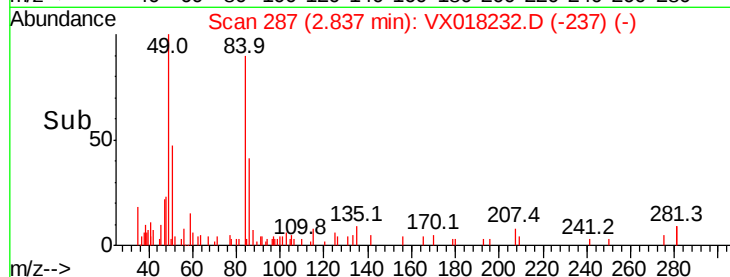
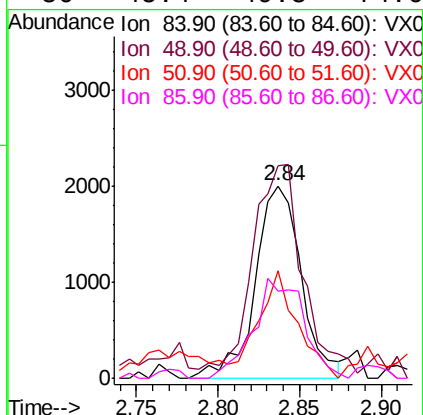
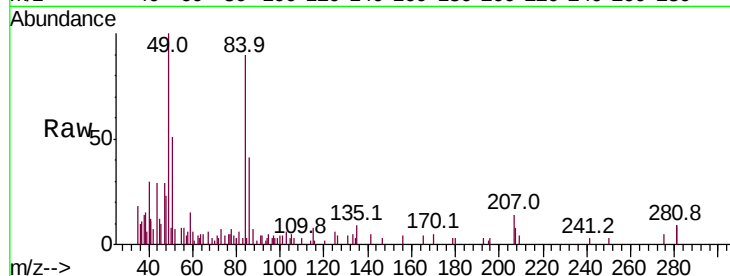




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

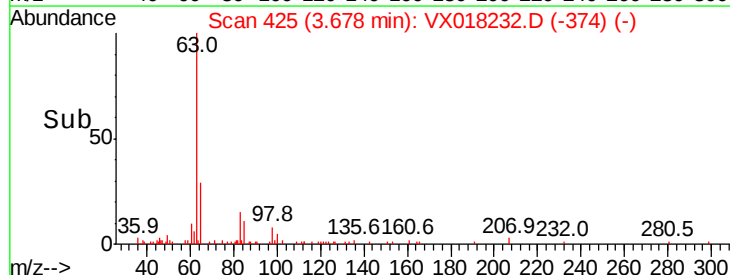
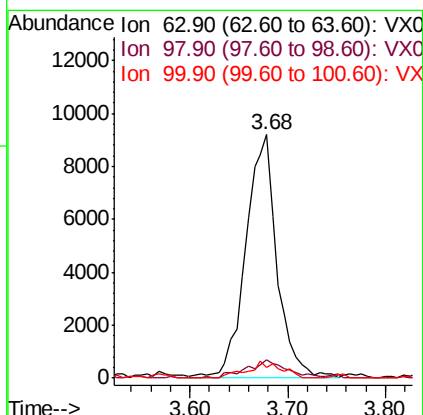
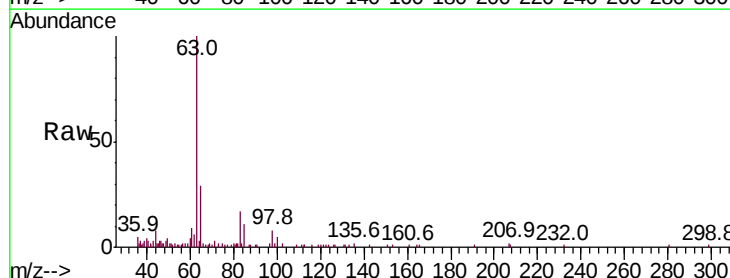
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20200902

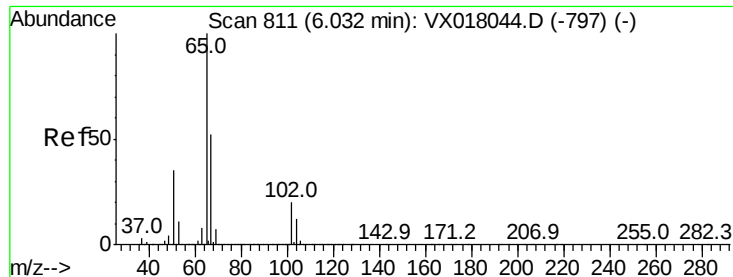
Tot Ion: 84 Resp: 3952
Ion Ratio Lower Upper
84 100
49 105.2 98.6 148.0
51 55.9 29.6 44.4#
86 45.4 49.8 74.6#



#24
1,1-Dichloroethane
Concen: 2.135 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

Tgt Ion: 63 Resp: 20435
Ion Ratio Lower Upper
63 100
98 7.6 3.6 10.8
100 4.6 2.0 6.0





#33

1,2-Dichloroethane-d4

Concen: 51.244 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

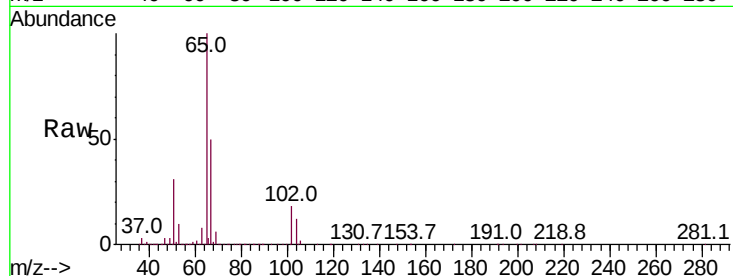
SA-PZ140I-20200902

Tot Ion: 65 Resp: 345227

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

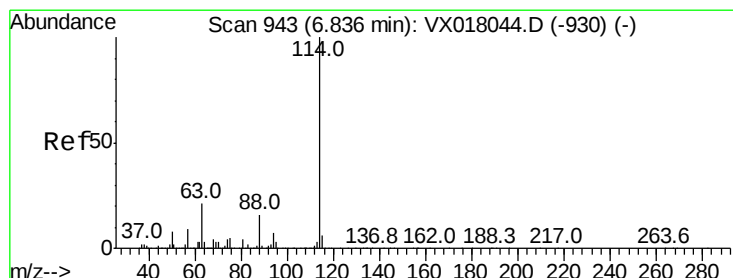
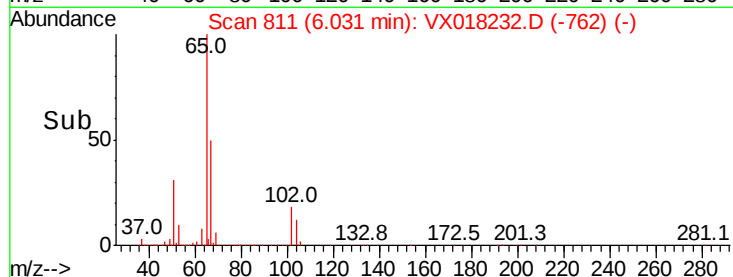
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

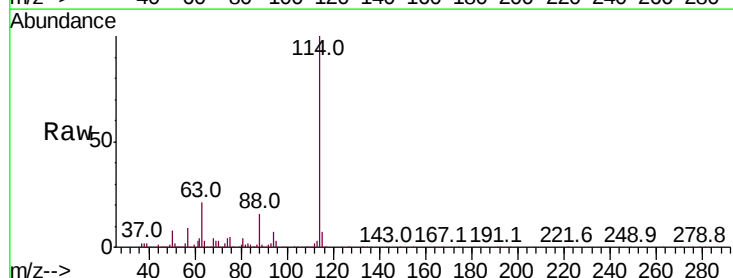
Tgt Ion: 114 Resp: 773476

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 15.9 0.0 31.8



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

6.83

400000

300000

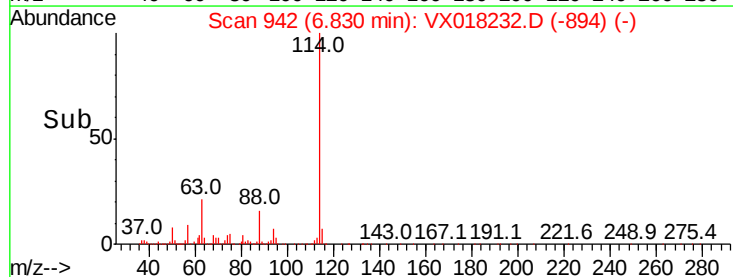
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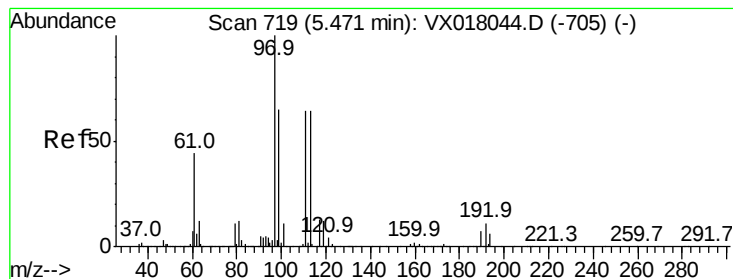
100000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 51.234 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

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SA-PZ140I-20200902

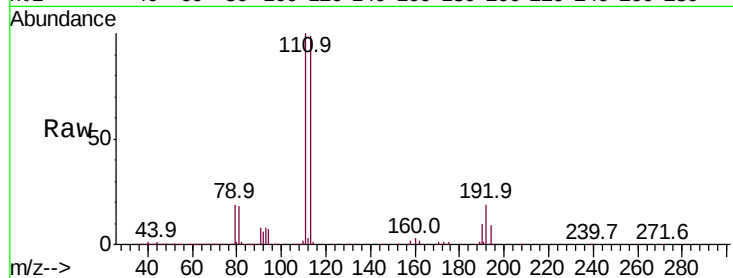
Tot Ion:113 Resp: 269889

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

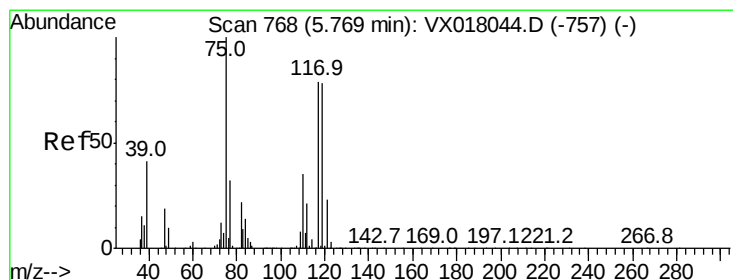
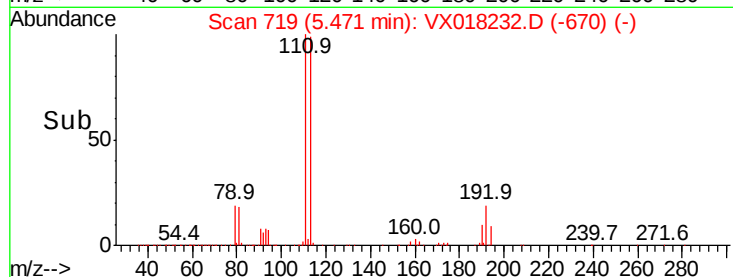
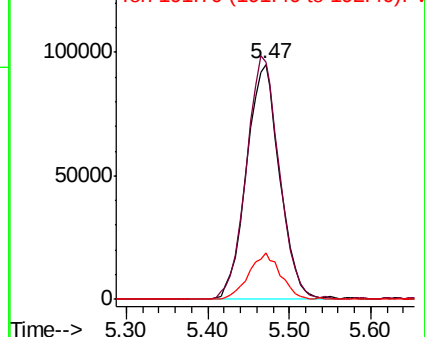
192 18.8 15.8 23.8



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: 5.364 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

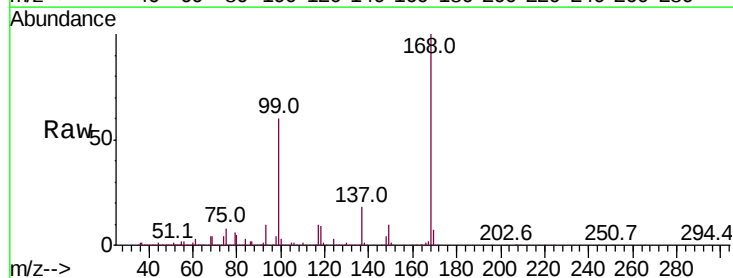
Tgt Ion: 75 Resp: 38269

Ion Ratio Lower Upper

75 100

110 9.9 18.0 54.0#

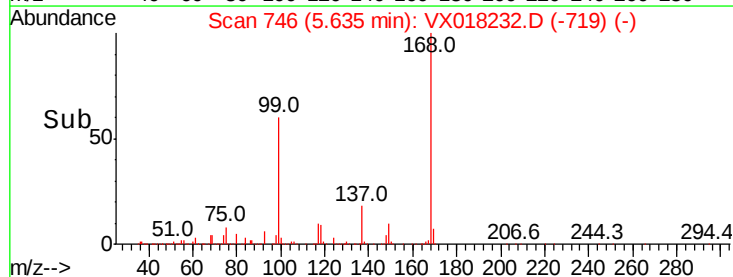
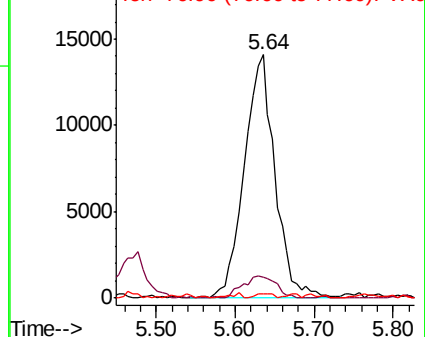
77 1.0 24.4 36.6#

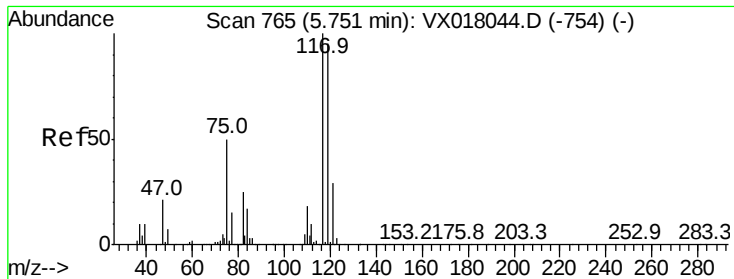


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.181 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20200902

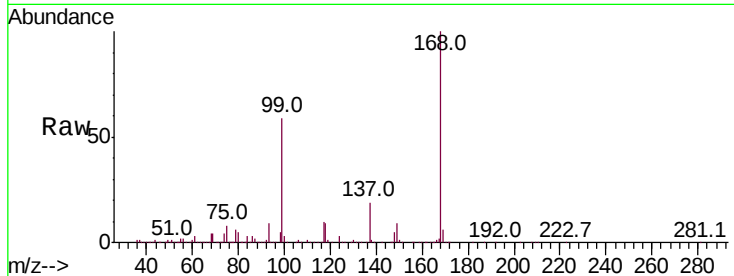
Tot Ion:117 Resp: 49692

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

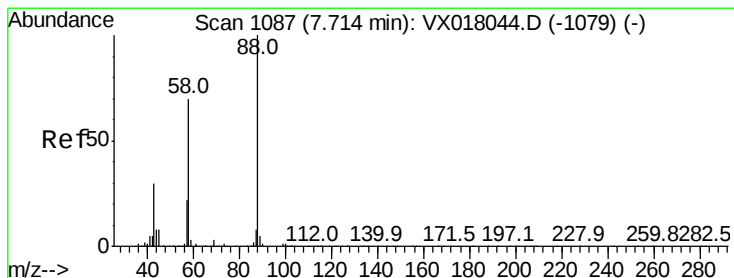
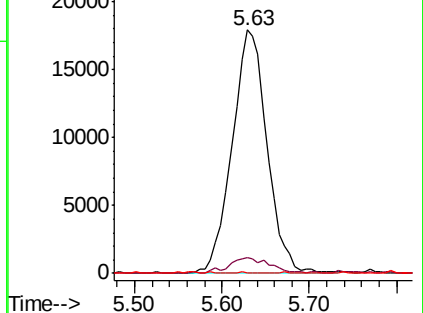
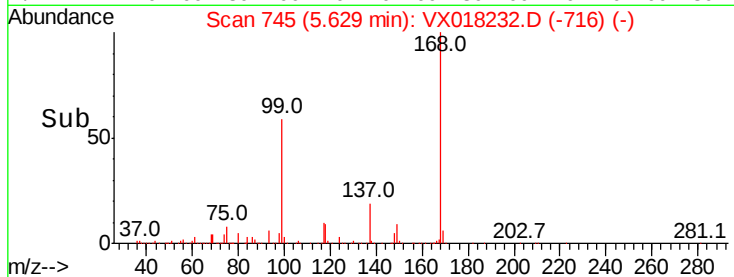
121 0.0 23.4 35.0#



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: 1.226 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

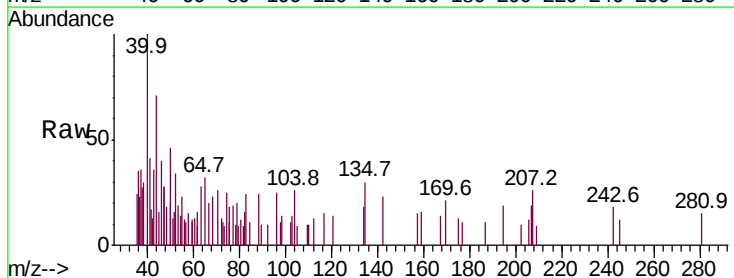
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 187.2 27.4 41.0#

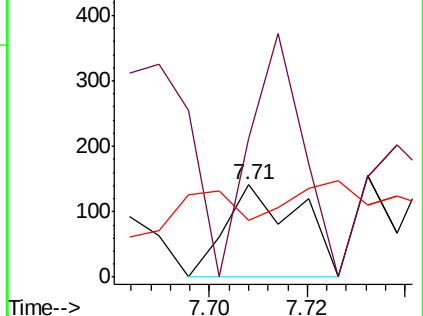
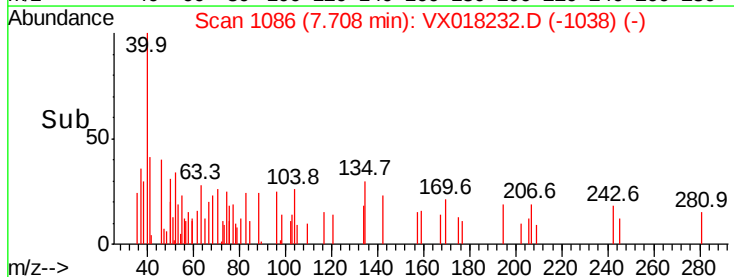
58 48.6 56.4 84.6#

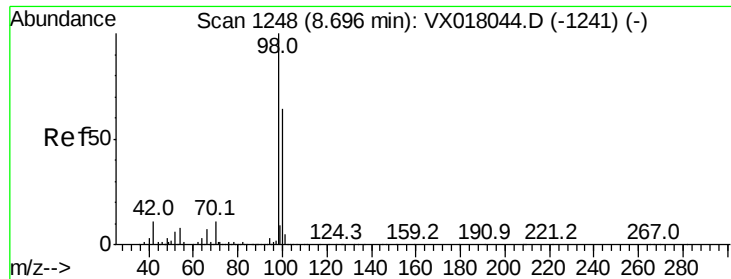


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.041 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

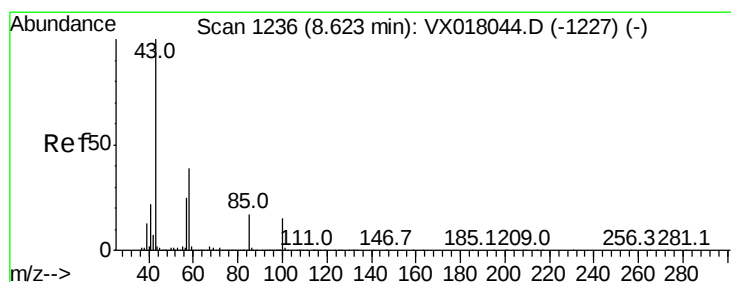
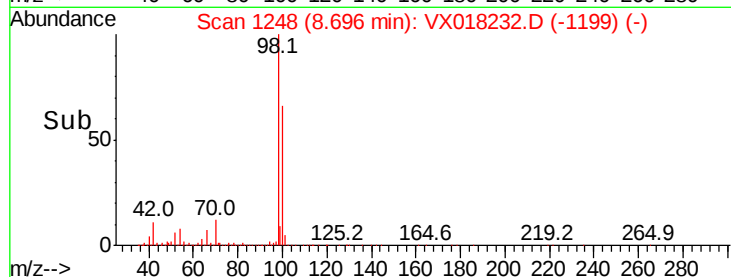
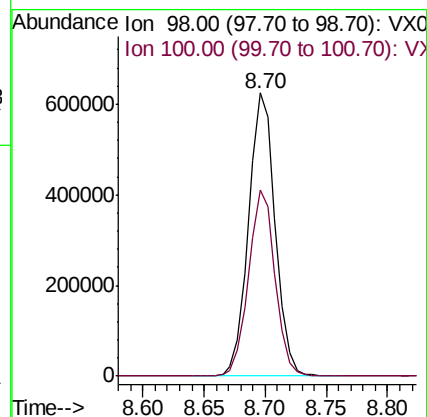
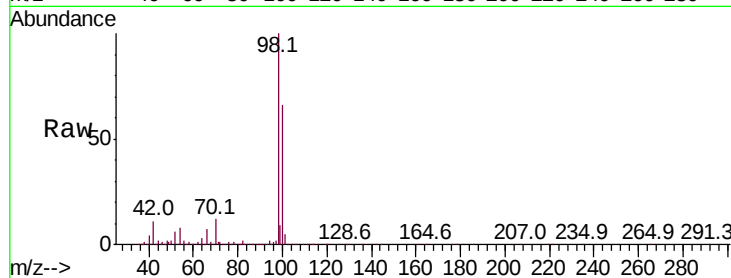
SA-PZ140I-20200902

Tot Ion: 98 Resp: 942565

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX018232.D

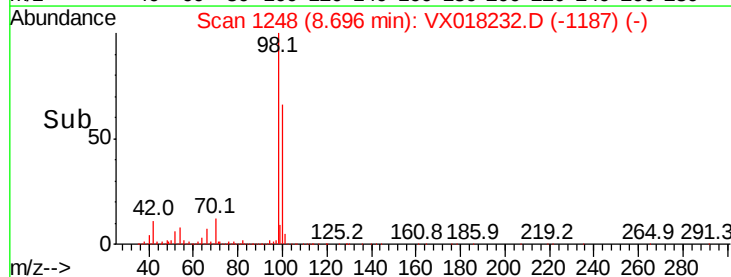
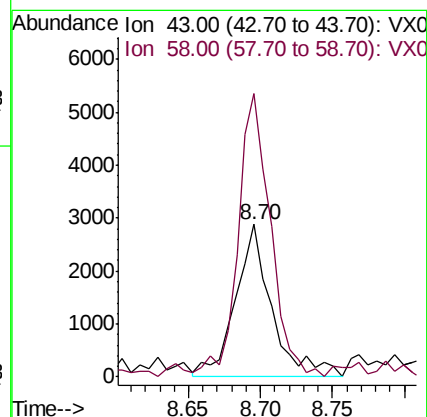
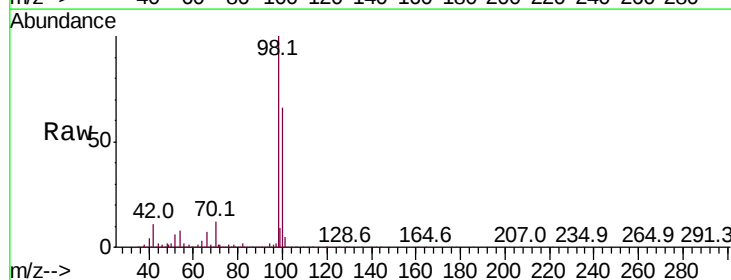
Acq: 03 Sep 2020 14:14

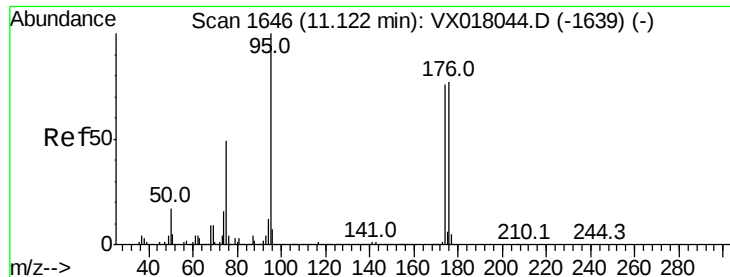
Tgt Ion: 43 Resp: 5097

Ion Ratio Lower Upper

43 100

58 164.7 30.7 46.1#





#62

4-Bromofluorobenzene

Concen: 44.031 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20200902

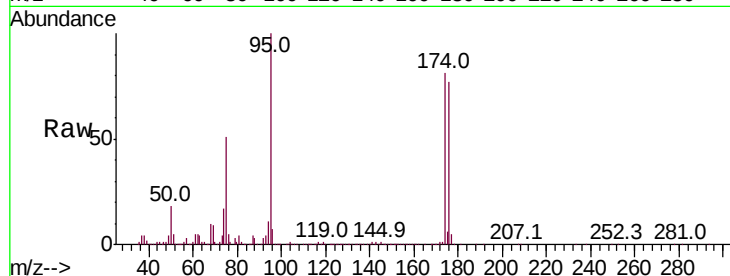
Tot Ion: 95 Resp: 339889

Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.2

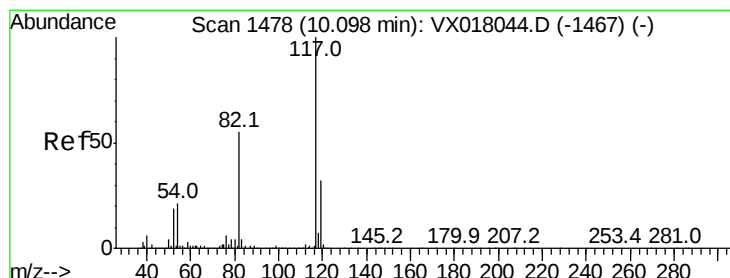
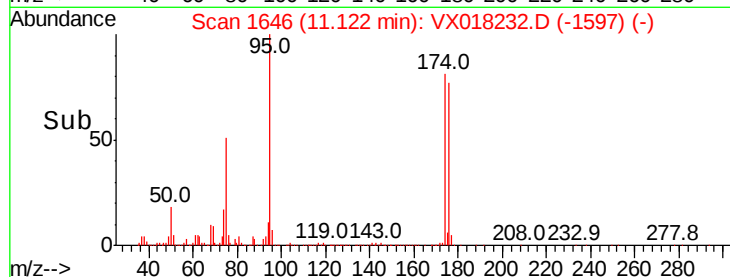
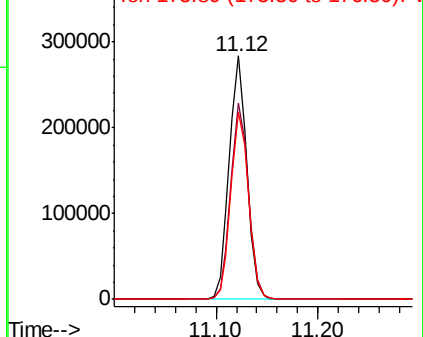
176 77.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

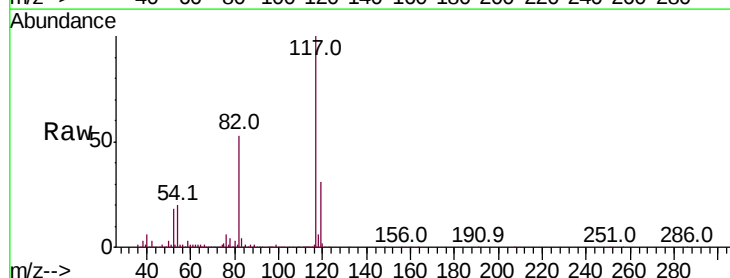
Tgt Ion: 117 Resp: 738116

Ion Ratio Lower Upper

117 100

82 53.3 44.2 66.2

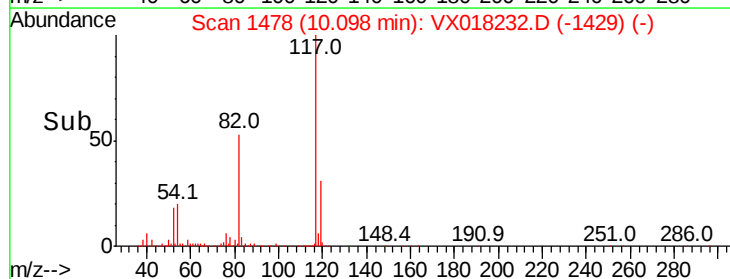
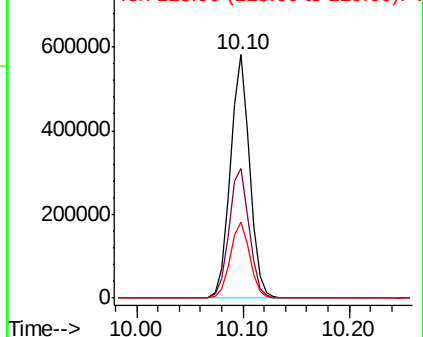
119 31.3 25.7 38.5

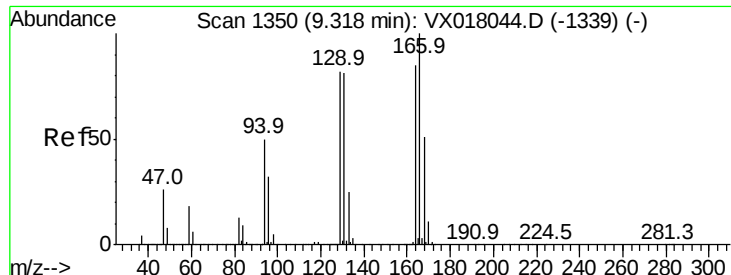


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

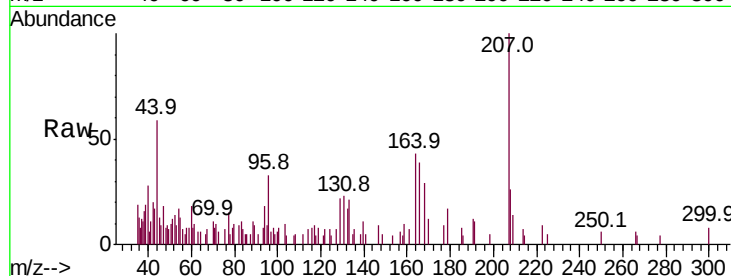




#64
Tetrachloroethene
Concen: 0.201 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20200902

Tot Ion	Ratio	Lower	Upper
164	100		
166	90.2	94.2	141.2#
129	51.3	76.9	115.3#
131	38.9	76.1	114.1#



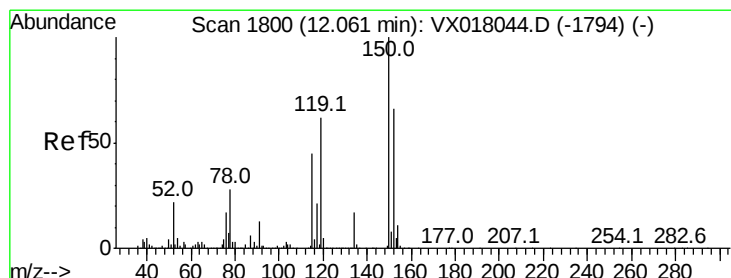
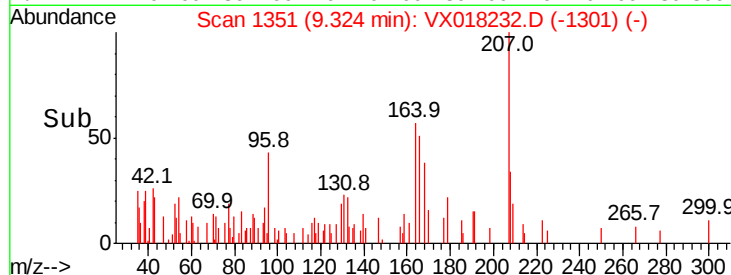
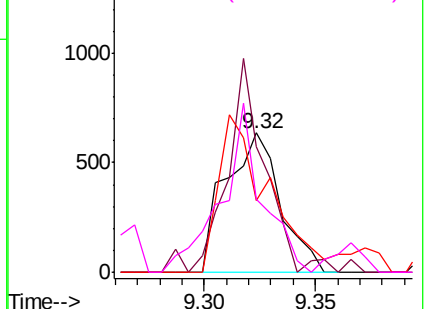
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

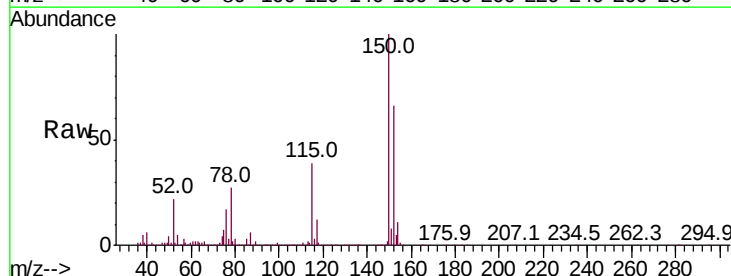
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018232.D
Acq: 03 Sep 2020 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.5	124.5
150	157.2	0.0	343.8

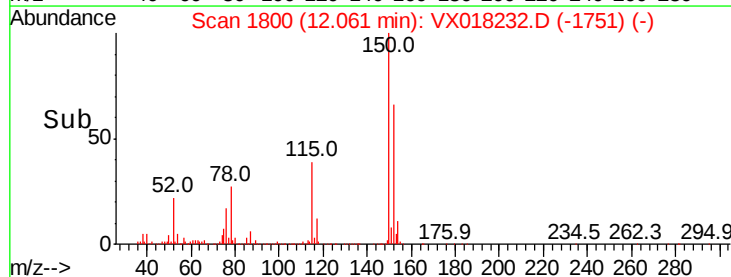
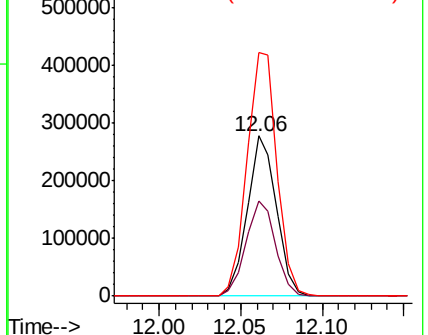


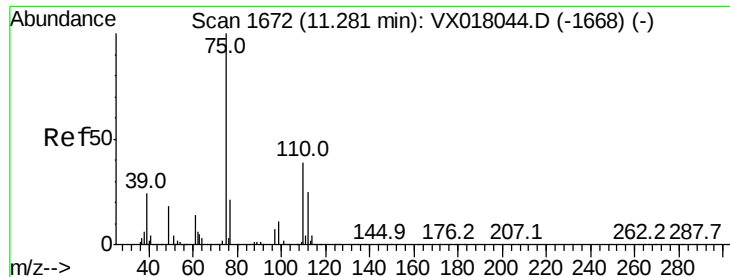
Abundance

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: 22.431 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

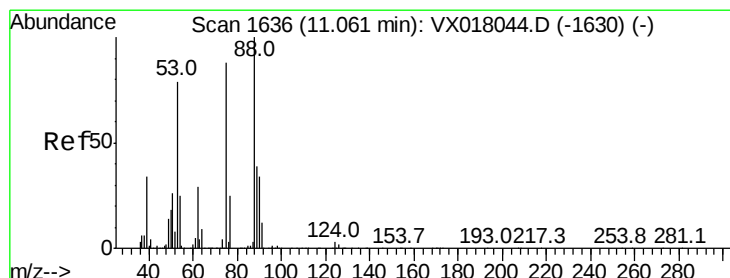
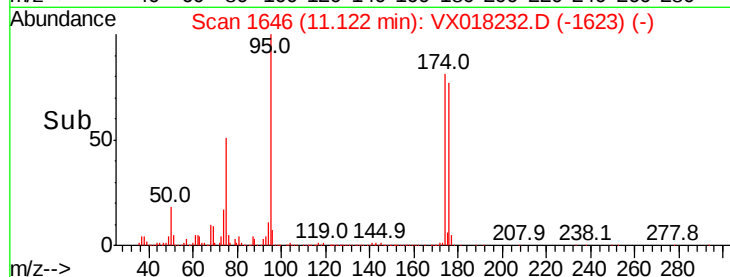
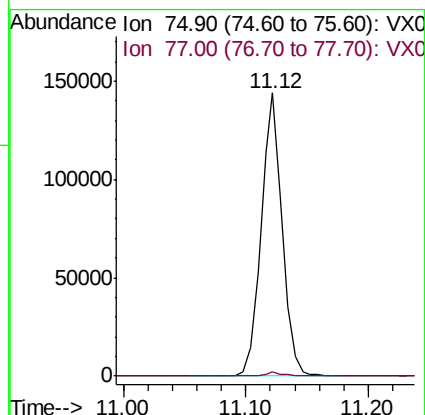
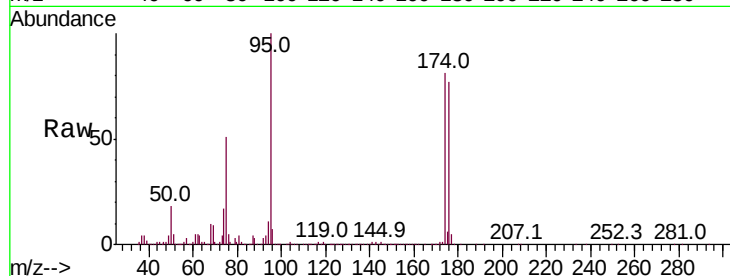
SA-PZ140I-20200902

Tot Ion: 75 Resp: 172305

Ion Ratio Lower Upper

75 100

77 1.6 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.582 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018232.D

Acq: 03 Sep 2020 14:14

Tgt Ion: 75 Resp: 172305

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

