

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018229.D
 Acq On : 03 Sep 2020 13:06
 Operator : JC/SP
 Sample : L3886-03 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:19:56 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	5.64	168	471614	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.83	114	781409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	739875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	372984	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	345529	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	5.46	113	269741	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.70	98	945786	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.12	95	349229	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

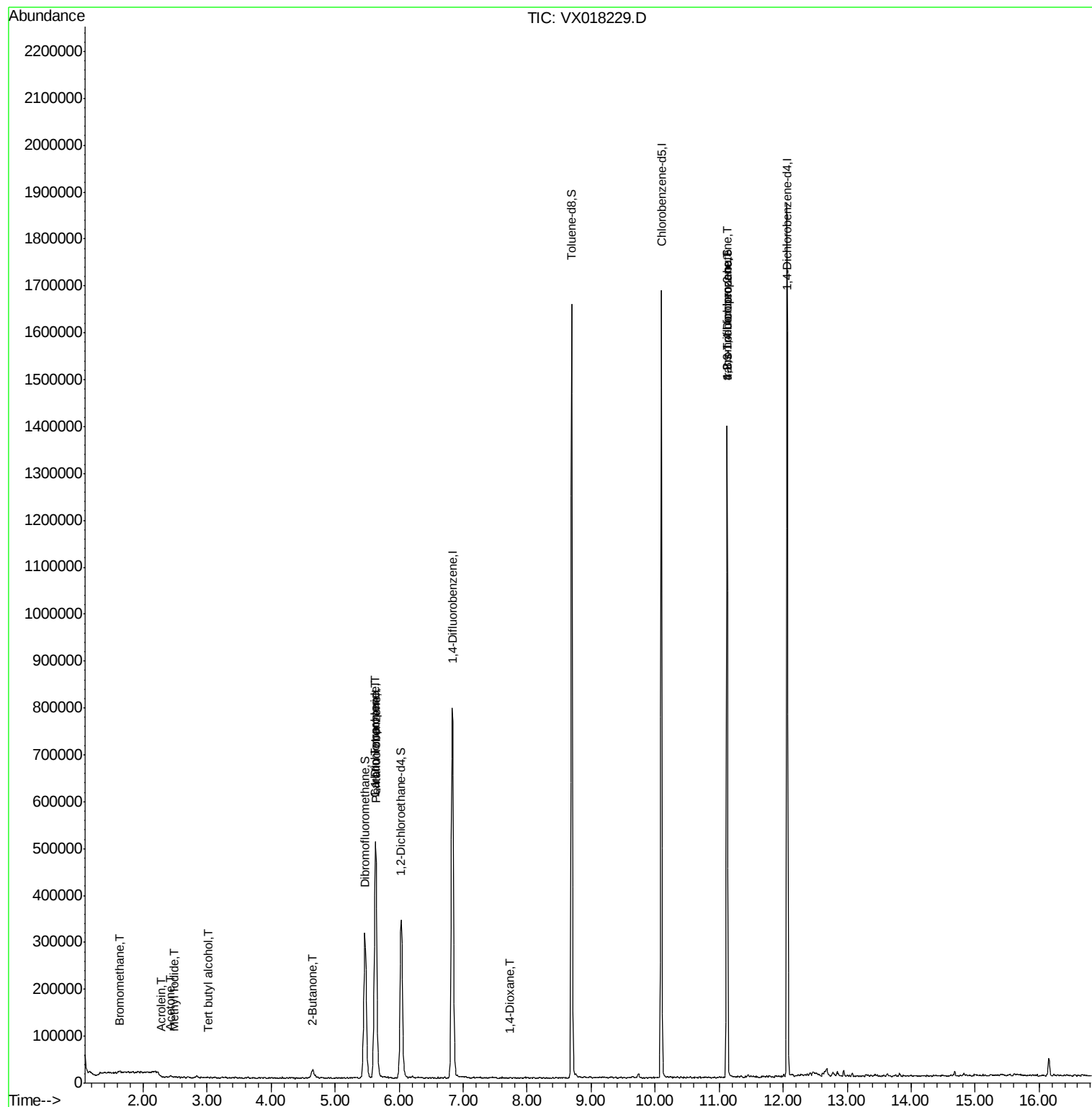
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	807	0.278	ug/l #	64
10) Methyl Iodide	2.50	142	448	5.371	ug/l #	89
11) Tert butyl alcohol	3.02	59	1322	1.038	ug/l #	71
13) Acrolein	2.29	56	777	1.472	ug/l	91
16) Acetone	2.43	43	5614	2.201	ug/l	90
20) Methylene Chloride	2.84	84	2571	Below Cal	#	76
25) 2-Butanone	4.64	43	2092	0.499	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	38739	5.375	ug/l #	42
38) Carbon Tetrachloride	5.63	117	48041	5.915	ug/l #	19
49) 1,4-Dioxane	7.71	88	56	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	180616	21.768	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	180616	58.793	ug/l #	12

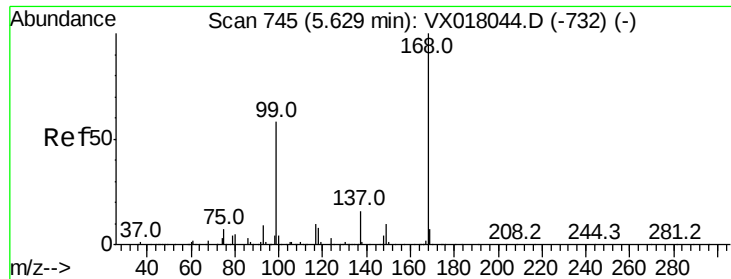
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.01 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

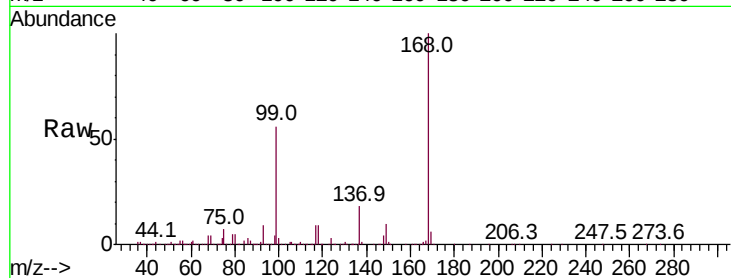
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 471614

Ion Ratio Lower Upper

168 100

99 56.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

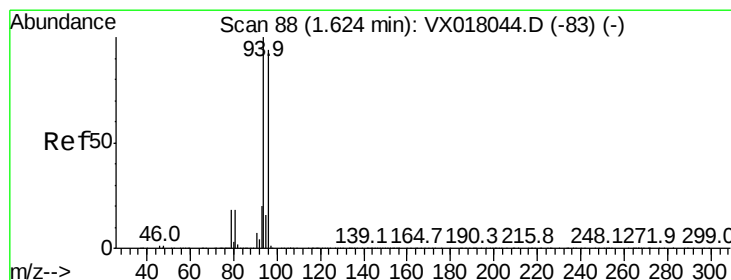
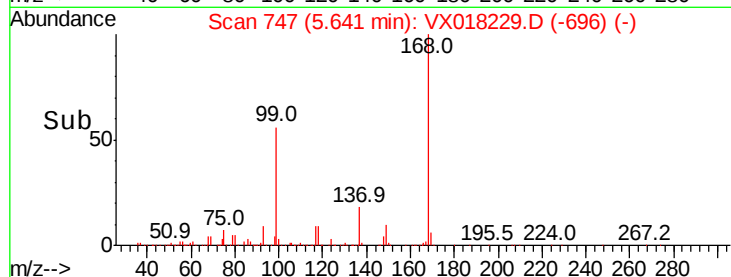
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018229.D

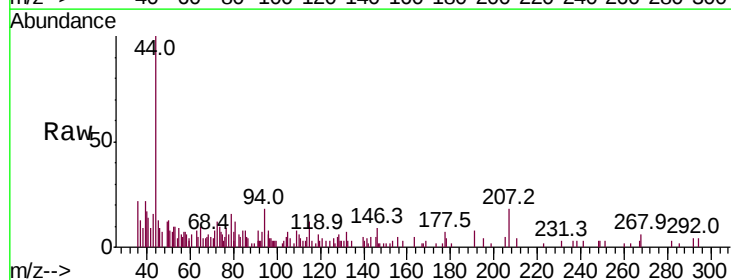
Acq: 03 Sep 2020 13:06

Tgt Ion: 94 Resp: 807

Ion Ratio Lower Upper

94 100

96 58.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

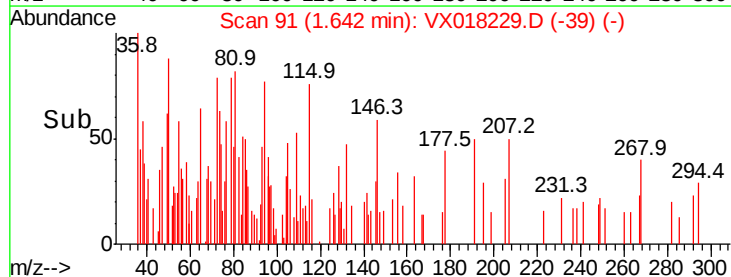
200

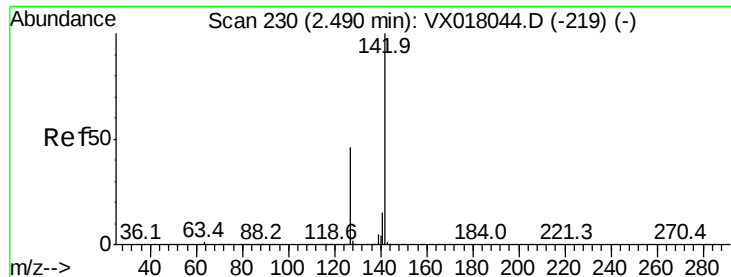
100

0

Time-->

1.60 1.65 1.70





#10

Methvl Iodide

Concen: 5.371 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :
MSVOA_X
ClientSampleId :

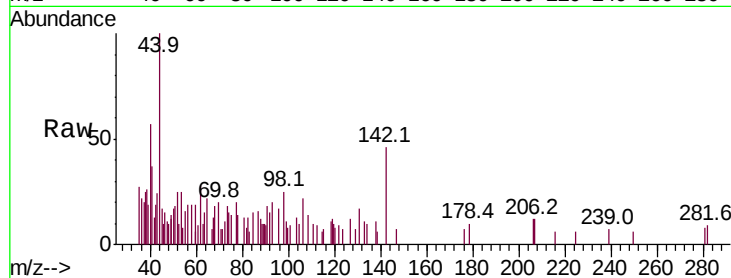
Tot Ion:142 Resp: 448

Ion Ratio Lower Upper

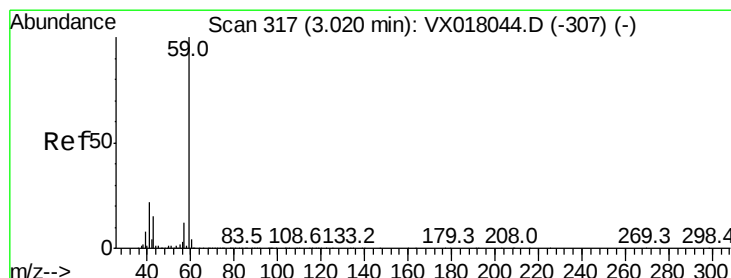
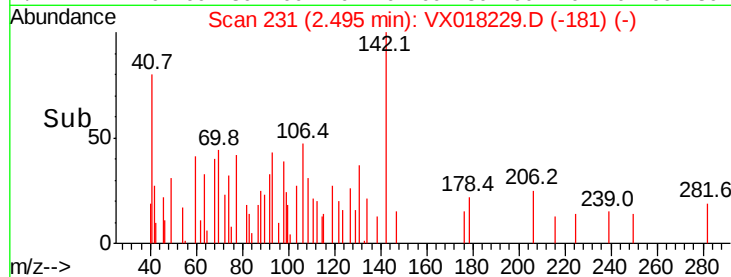
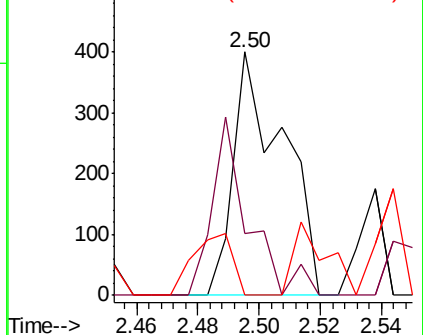
142 100

127 53.1 37.0 55.6

141 20.5 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: 1.038 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX018229.D

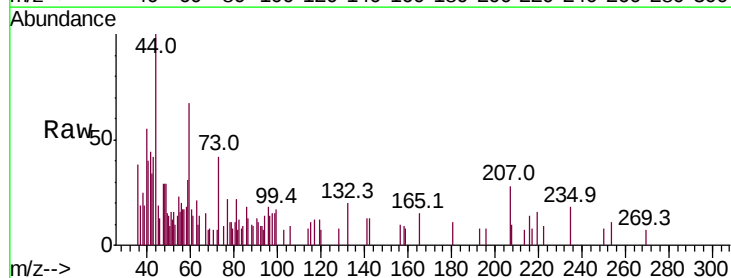
Acq: 03 Sep 2020 13:06

Tgt Ion: 59 Resp: 1322

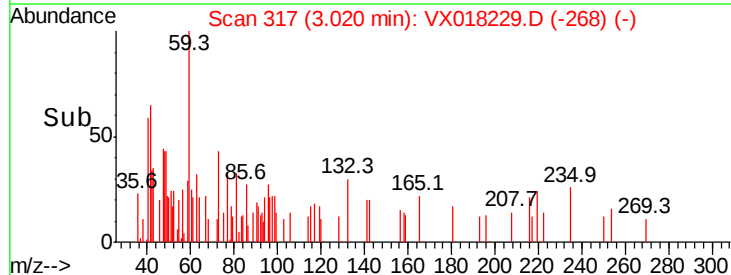
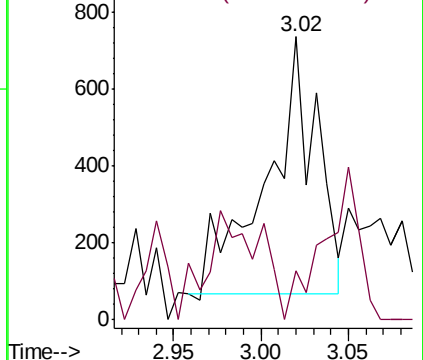
Ion Ratio Lower Upper

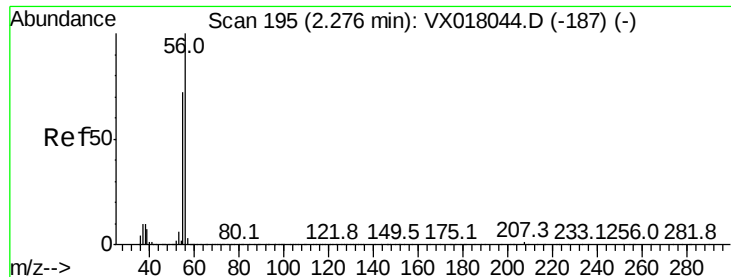
59 100

57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.472 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.02 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :

MSVOA_X

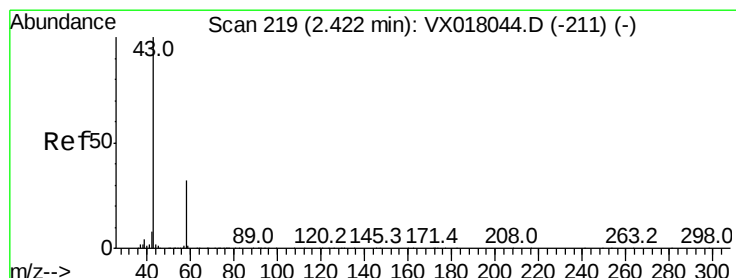
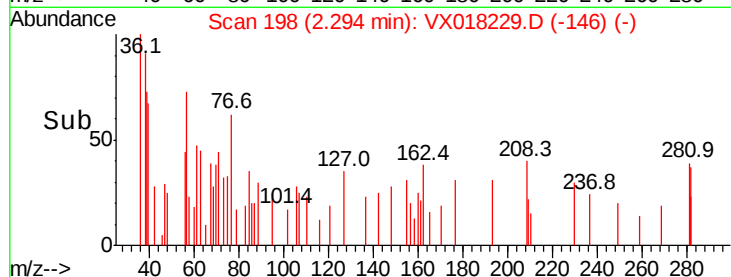
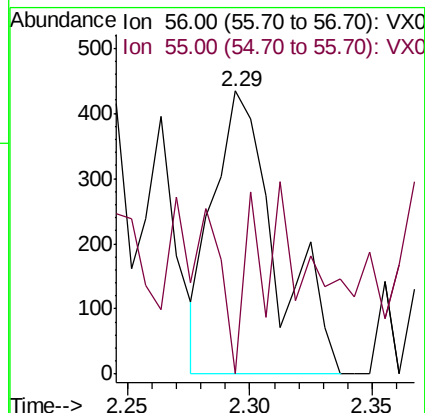
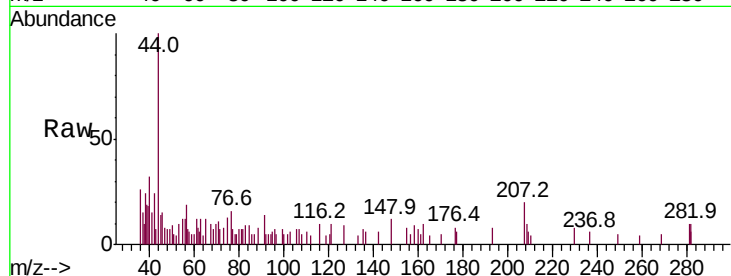
ClientSampled :

Tot Ion: 56 Resp: 777

Ion Ratio Lower Upper

56 100

55 64.0 57.0 85.6



#16

Acetone

Concen: 2.201 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018229.D

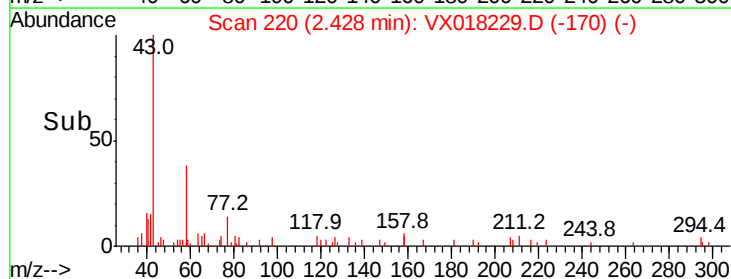
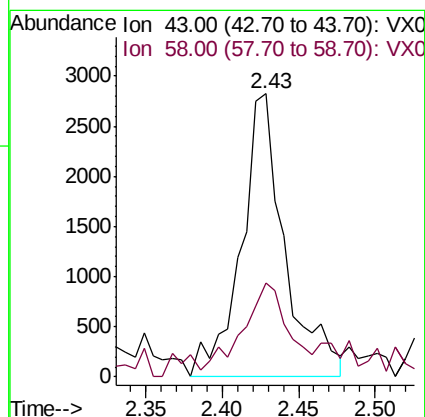
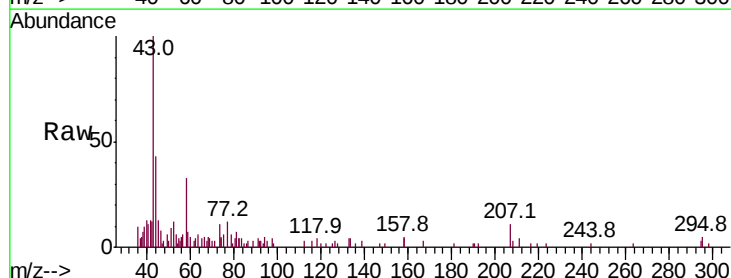
Acq: 03 Sep 2020 13:06

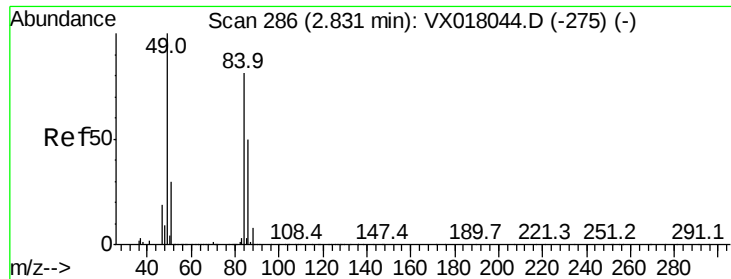
Tgt Ion: 43 Resp: 5614

Ion Ratio Lower Upper

43 100

58 26.4 25.5 38.3

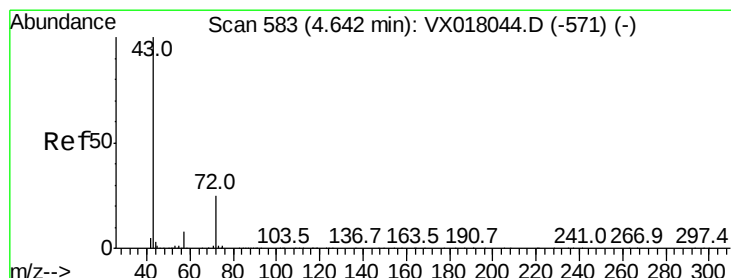
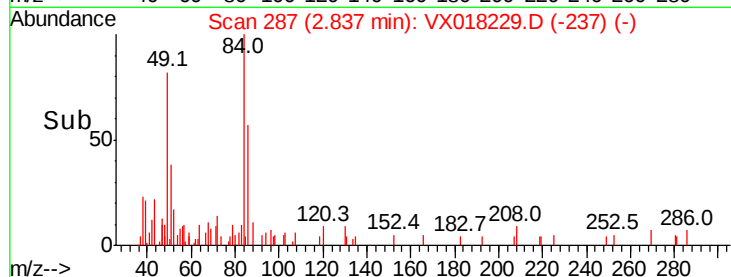
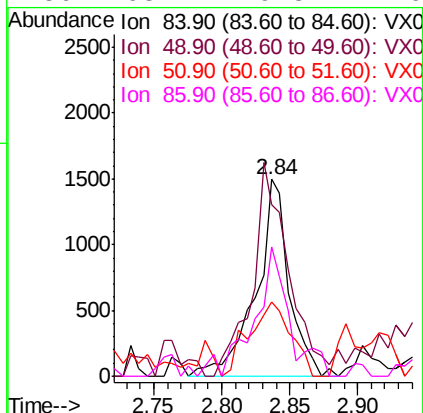
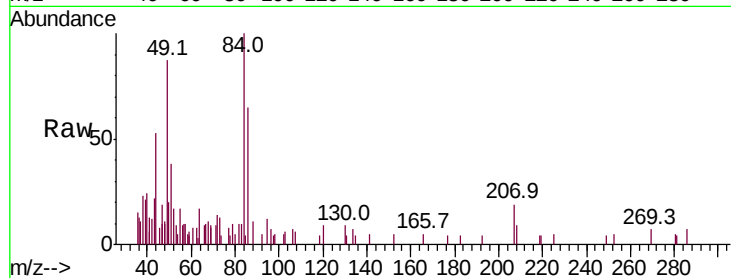




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018229.D
Acq: 03 Sep 2020 13:06

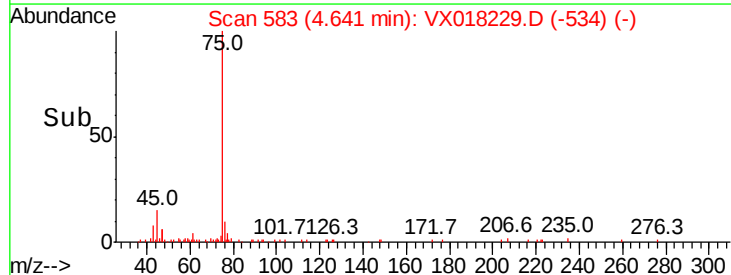
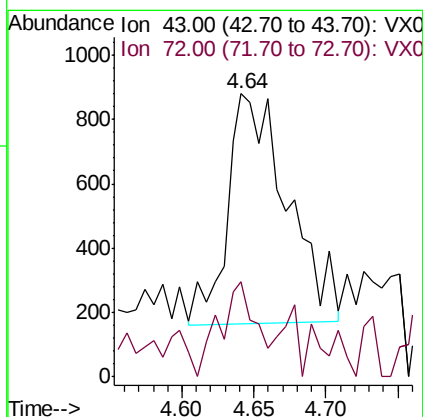
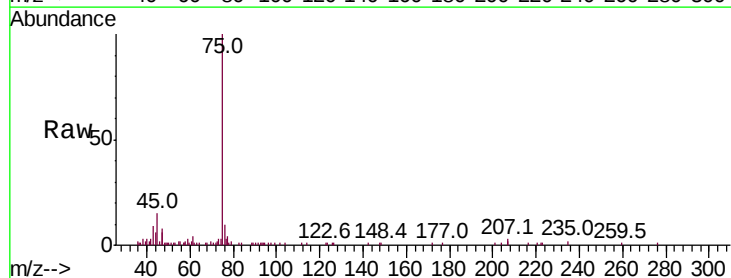
Instrument :
MSVOA_X
ClientSampled :

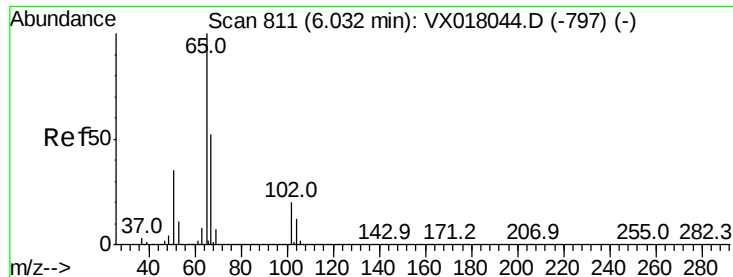
Tot Ion:	84	Resp:	2571
Ion	Ratio	Lower	Upper
84	100		
49	82.0	98.6	148.0#
51	33.0	29.6	44.4
86	68.2	49.8	74.6



#25
2-Butanone
Concen: 0.499 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018229.D
Acq: 03 Sep 2020 13:06

Tgt Ion:	43	Resp:	2092
Ion	Ratio	Lower	Upper
43	100		
72	31.0	19.8	29.6#





#33

1,2-Dichloroethane-d4

Concen: 52.775 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

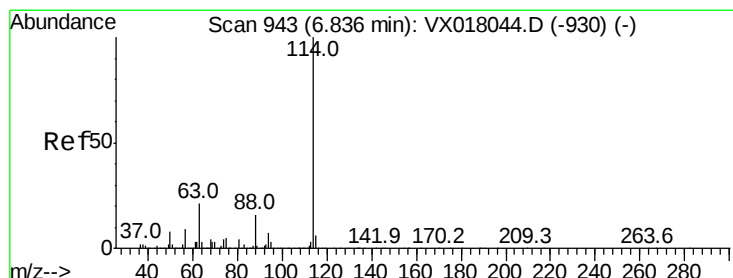
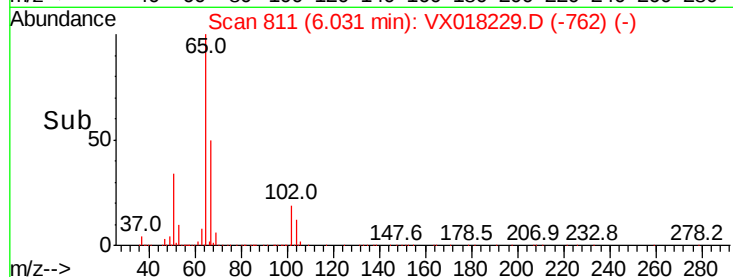
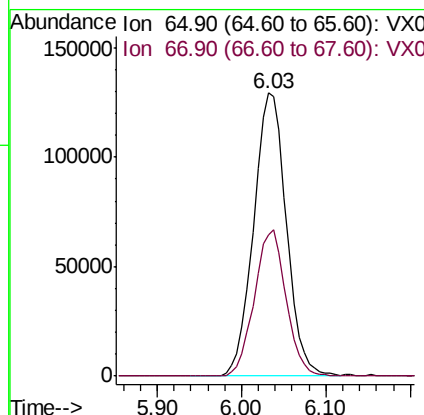
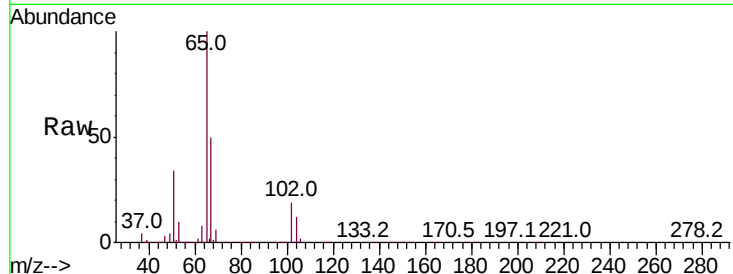
Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 65 Resp: 345529

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

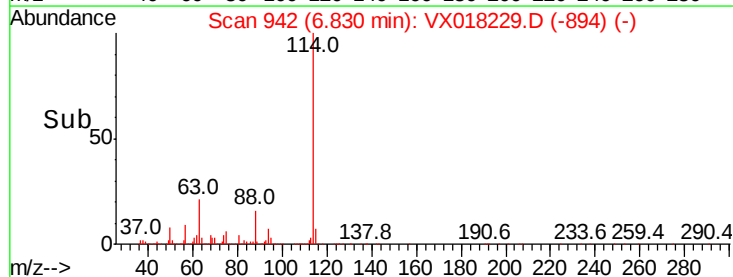
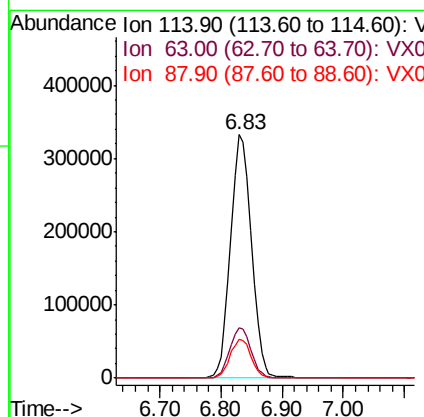
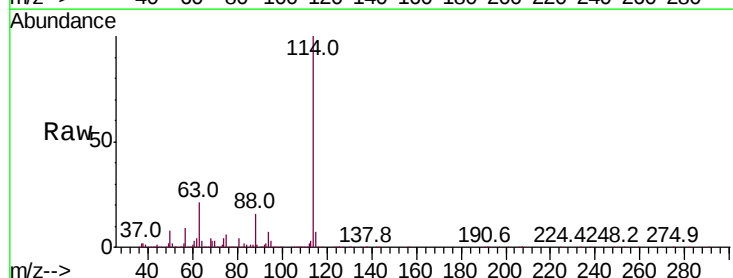
Delta R.T. -0.01 min

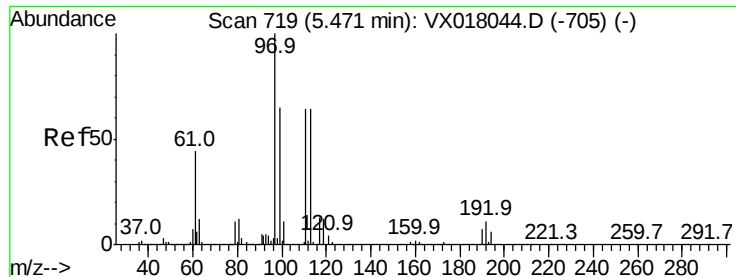
Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Tgt Ion: 114 Resp: 781409

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.6
88	16.0	0.0	31.8

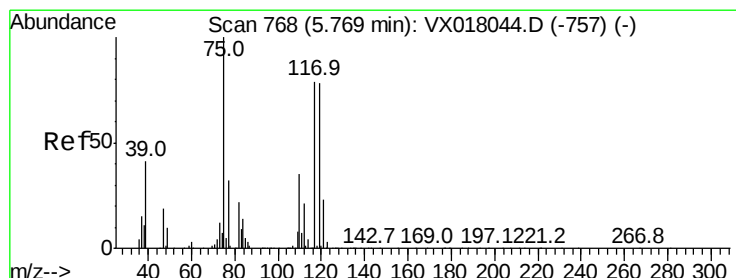
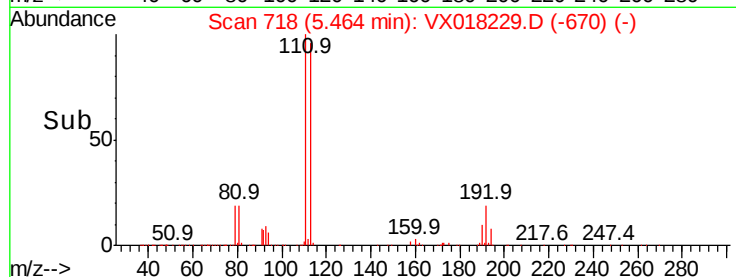
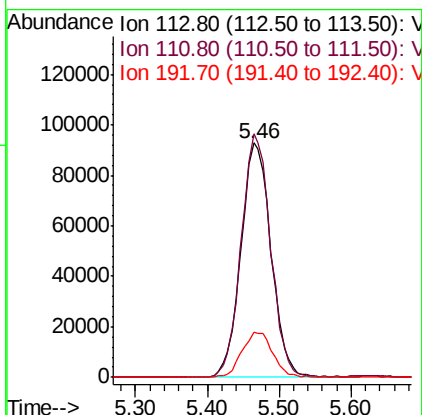
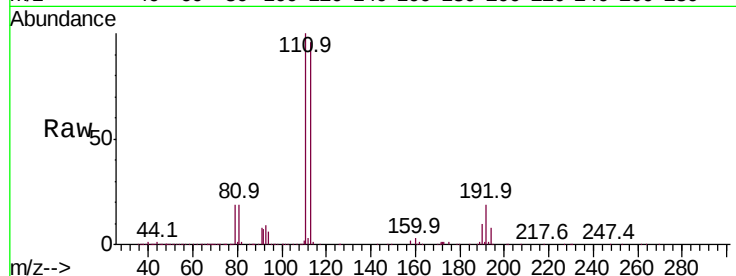




#35
 Dibromofluoromethane
 Concen: 50.686 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018229.D
 Acq: 03 Sep 2020 13:06

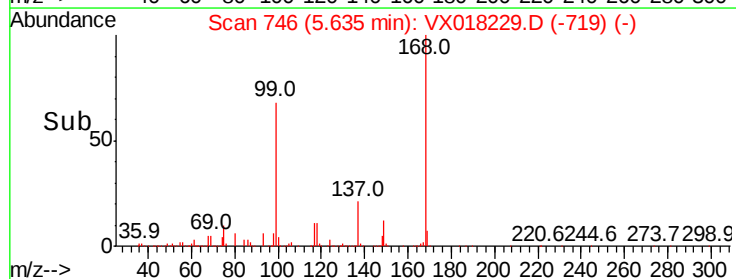
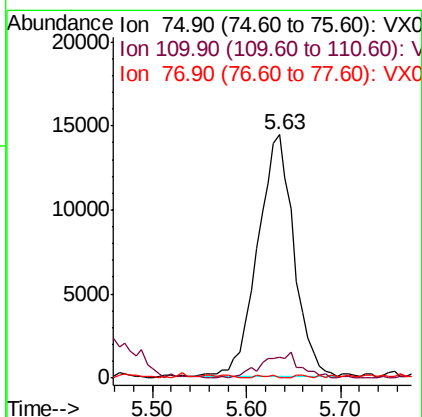
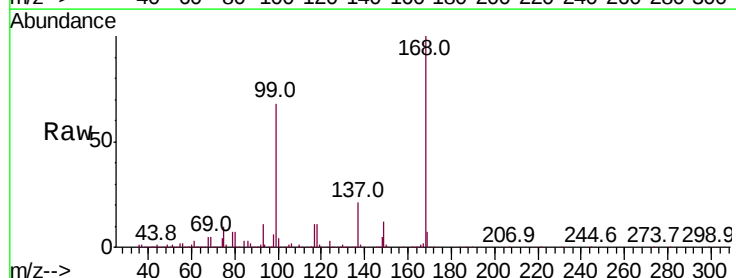
Instrument :
 MSVOA_X
 ClientSampleId :

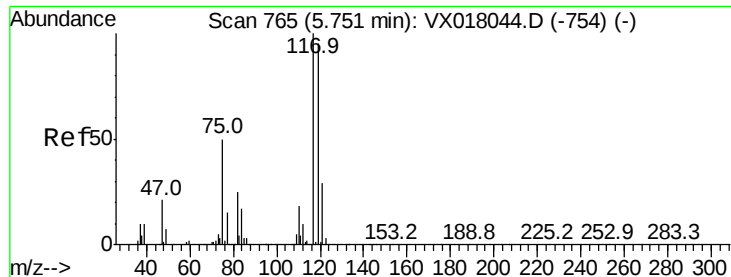
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	19.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.375 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018229.D
 Acq: 03 Sep 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	0.5	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

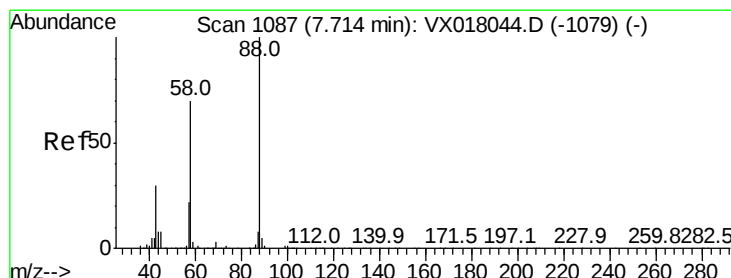
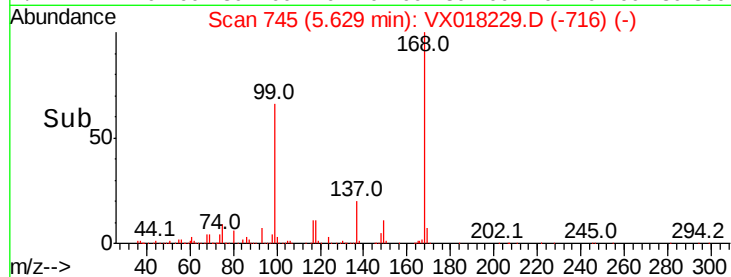
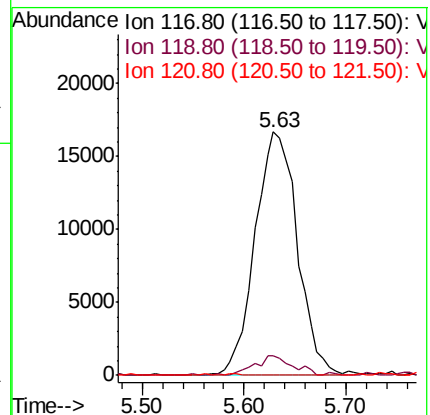
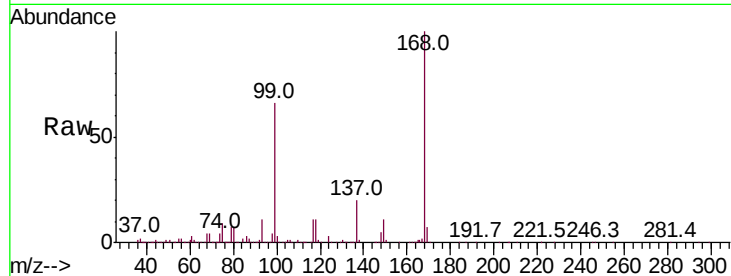
Tot Ion:117 Resp: 48041

Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

121 0.0 23.4 35.0#



#49

1,4-Dioxane

Concen: 0.459 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

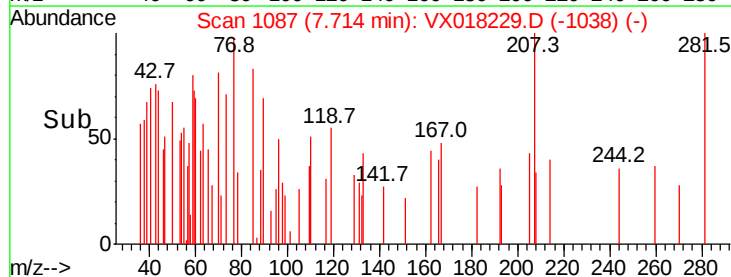
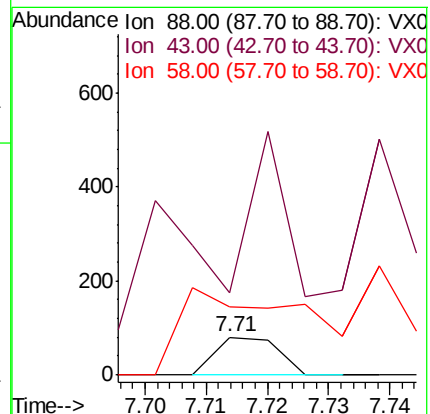
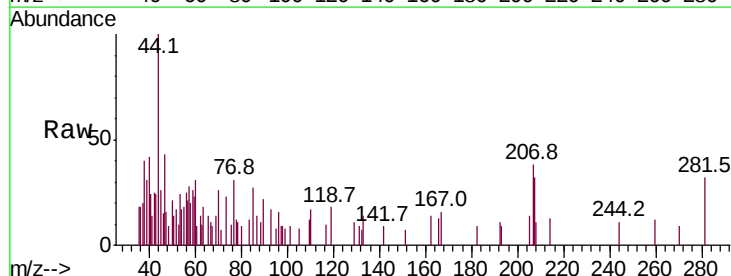
Tgt Ion: 88 Resp: 56

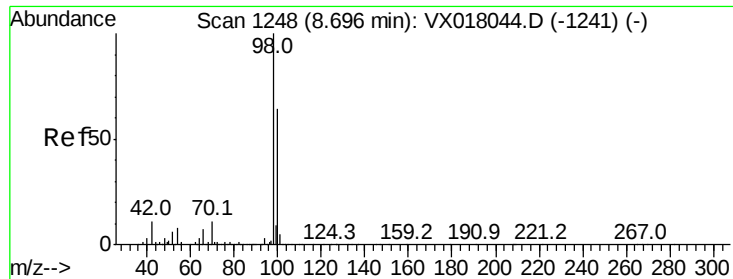
Ion Ratio Lower Upper

88 100

43 346.4 27.4 41.0#

58 460.7 56.4 84.6#





#50

Toluene-d8

Concen: 47.716 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :

MSVOA_X

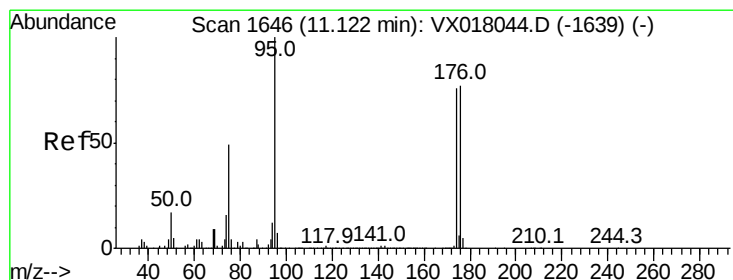
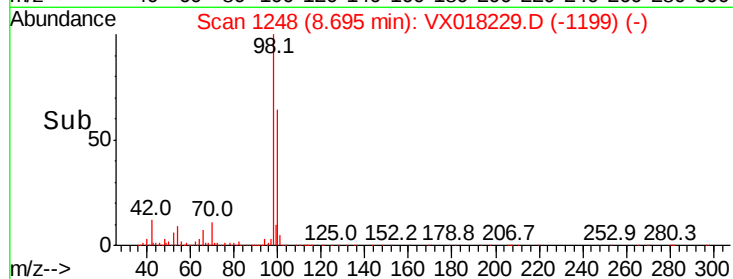
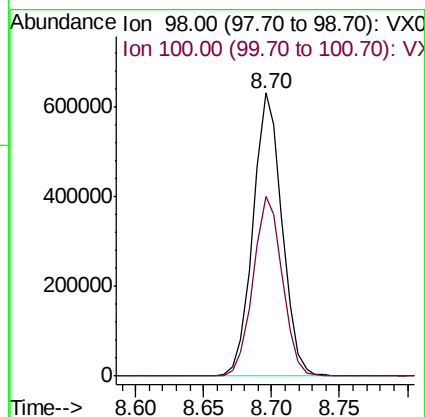
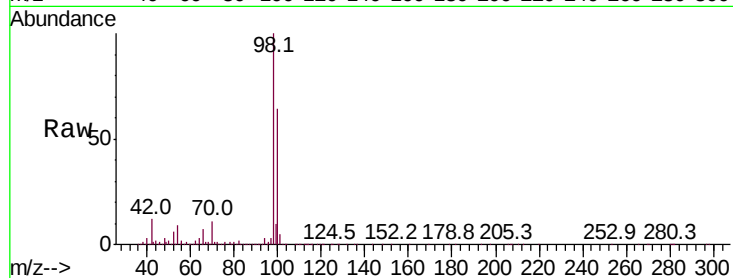
ClientSampleId :

Tot Ion: 98 Resp: 945786

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.782 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

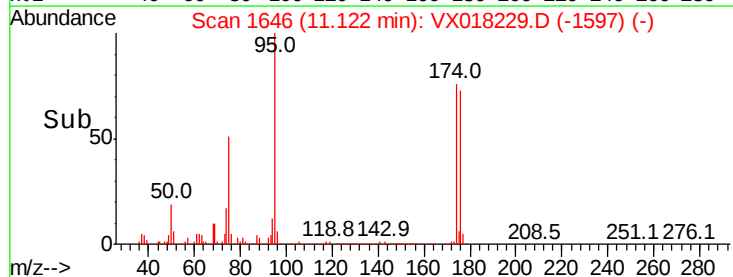
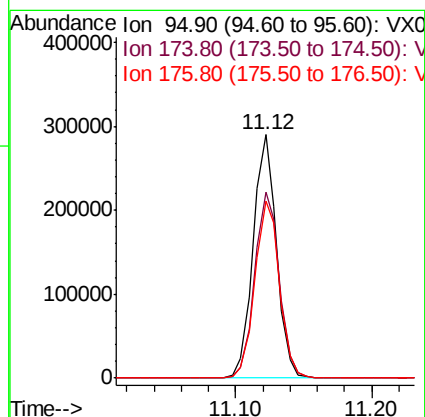
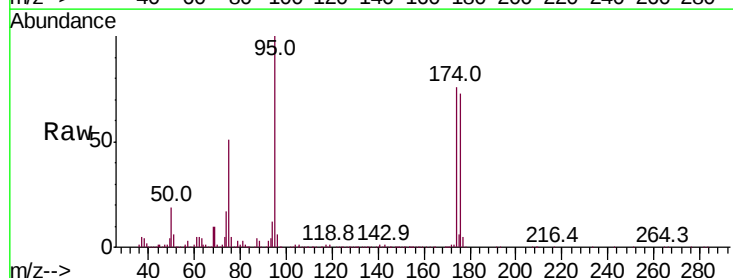
Tgt Ion: 95 Resp: 349229

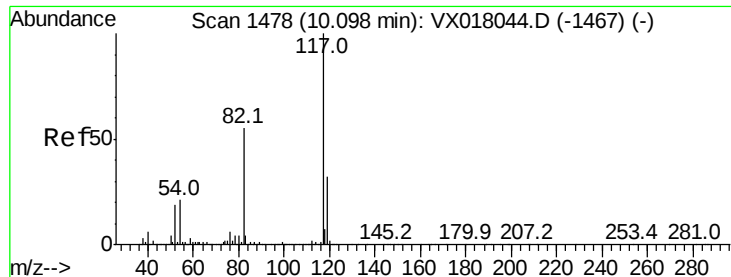
Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

176 76.8 0.0 155.8

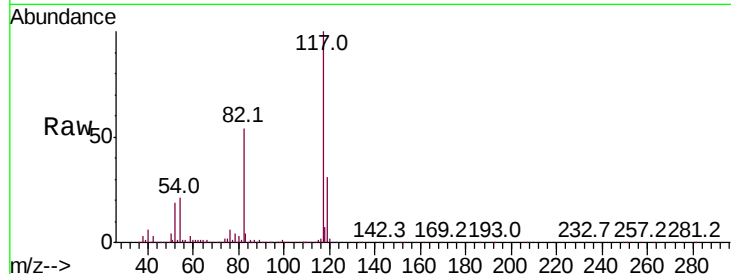




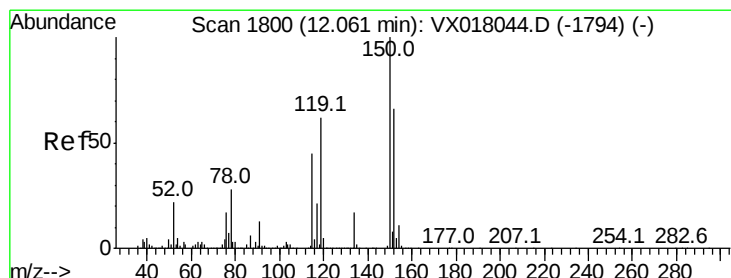
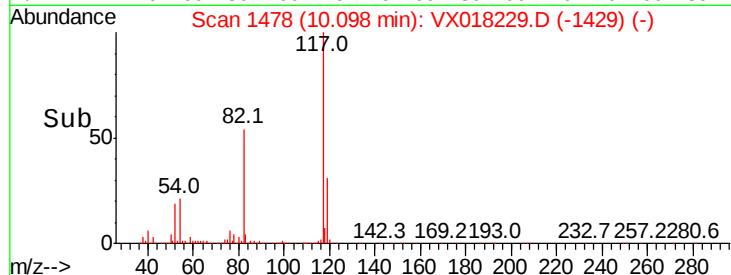
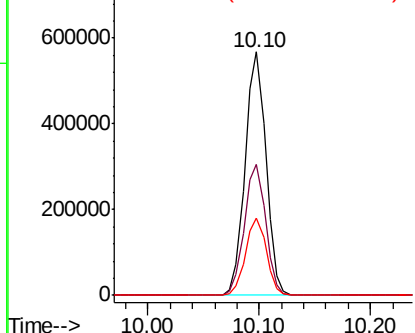
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018229.D
Acq: 03 Sep 2020 13:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.2	66.2
119	31.5	25.7	38.5

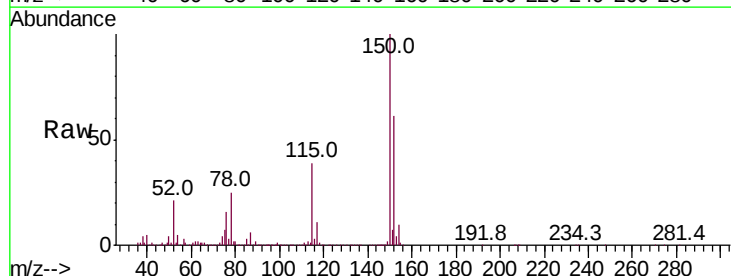


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

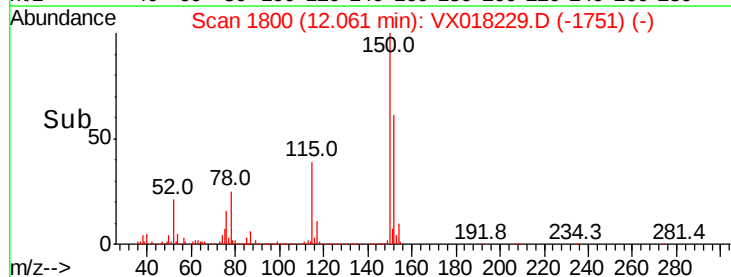
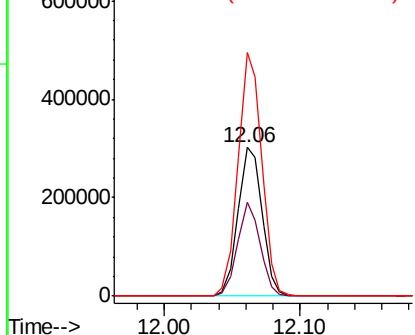


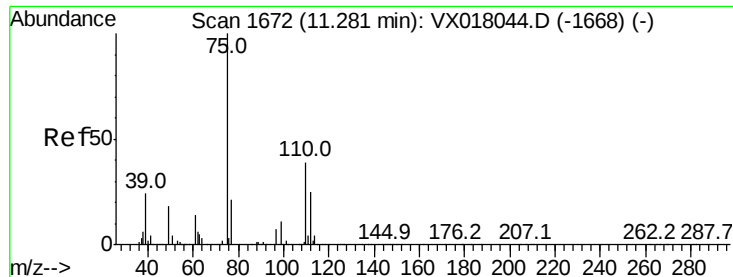
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018229.D
Acq: 03 Sep 2020 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.5	124.5
150	160.5	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: 21.768 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Instrument :

MSVOA_X

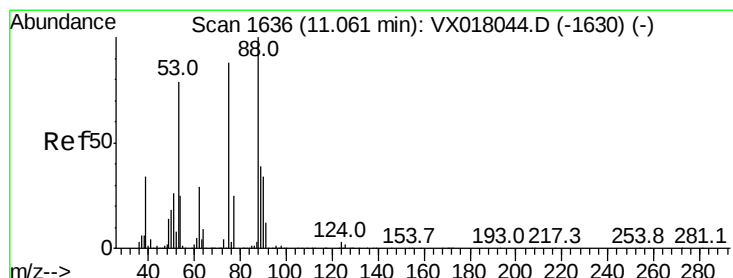
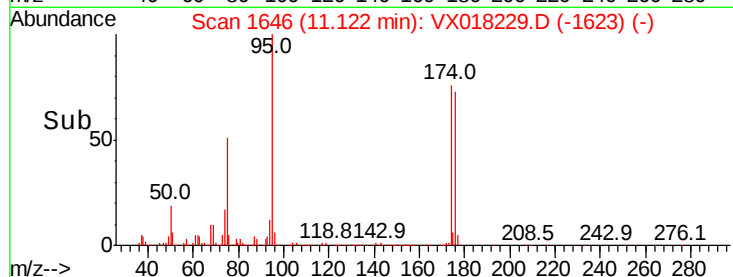
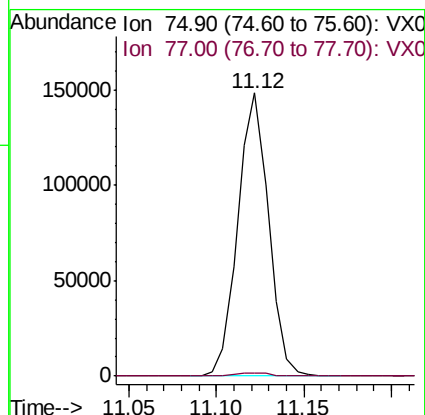
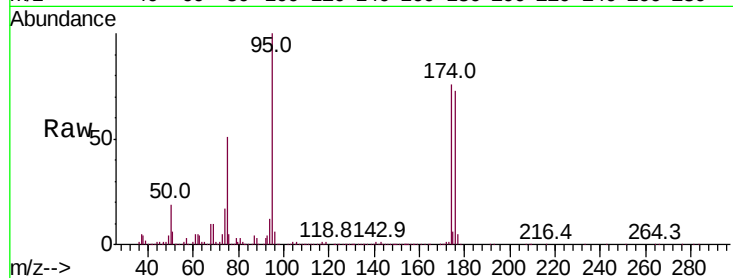
ClientSampleId :

Tot Ion: 75 Resp: 180616

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.793 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018229.D

Acq: 03 Sep 2020 13:06

Tgt Ion: 75 Resp: 180616

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

