

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018380.D
 Acq On : 14 Sep 2020 13:11
 Operator : JC/SP
 Sample : L3993-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:10:27 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	454425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	729289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	693038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	333309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	317874	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	5.47	113	252001	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.70	98	874977	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.12	95	326583	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

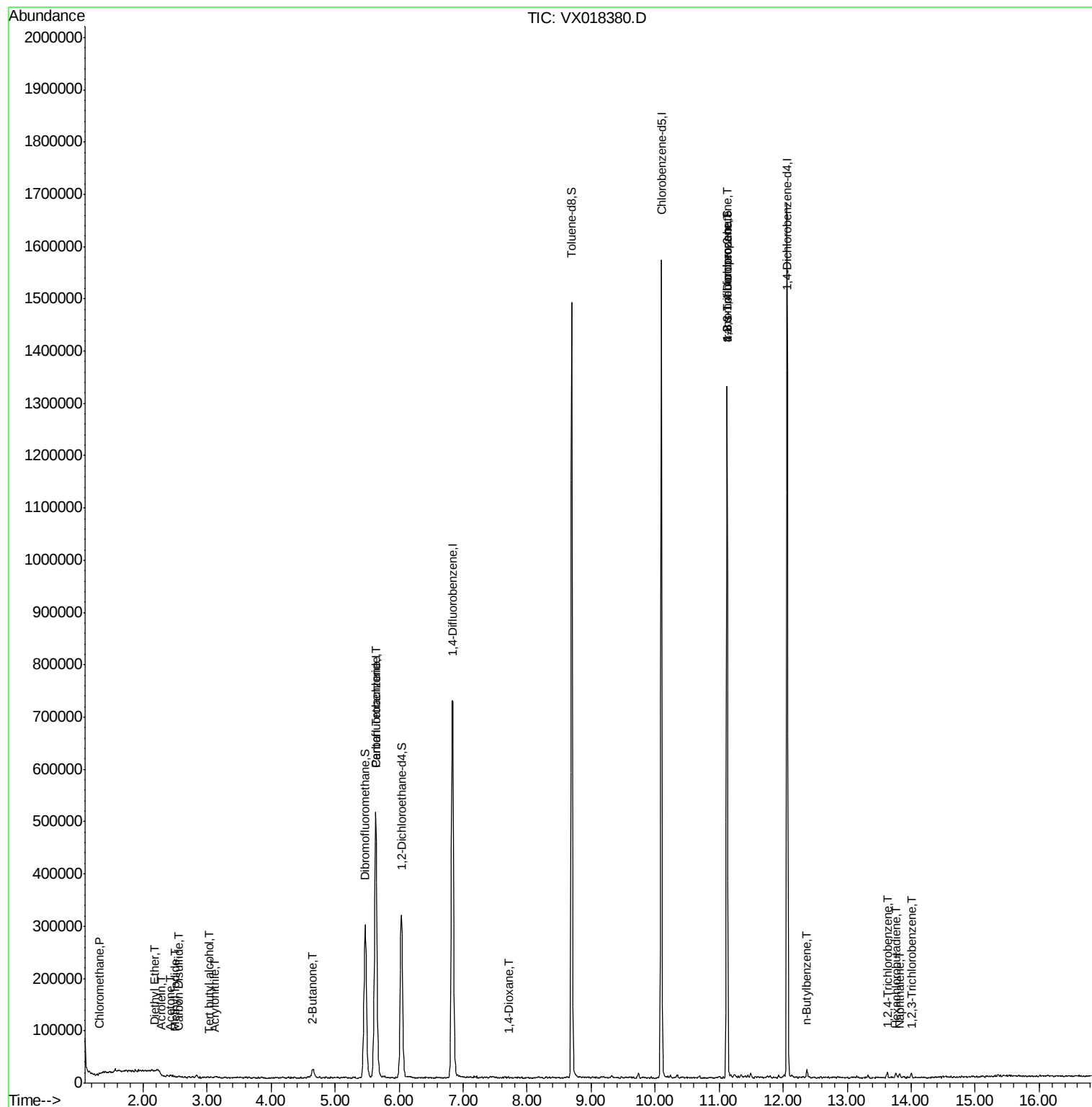
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1234	0.212	ug/l	93
8) Diethyl Ether	2.18	74	652	0.243	ug/l	64
10) Methyl Iodide	2.50	142	1260	5.533	ug/l #	66
11) Tert butyl alcohol	3.03	59	382	0.311	ug/l #	41
13) Acrolein	2.29	56	354	0.696	ug/l #	14
15) Acrylonitrile	3.12	53	1449	0.521	ug/l #	65
16) Acetone	2.42	43	2619	1.065	ug/l #	83
17) Carbon Disulfide	2.56	76	3451	0.257	ug/l #	90
20) Methylene Chloride	2.84	84	2437	Below Cal	#	65
25) 2-Butanone	4.65	43	1106	0.274	ug/l #	83
38) Carbon Tetrachloride	5.63	117	48276	6.368	ug/l #	16
49) 1,4-Dioxane	7.72	88	404	3.550	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	172483	23.263	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172483	62.829	ug/l #	12
89) n-Butylbenzene	12.37	91	4232	0.249	ug/l	91
93) 1,2,4-Trichlorobenzene	13.63	180	2467	0.368	ug/l	93
94) Hexachlorobutadiene	13.76	225	1688	0.639	ug/l	80
95) Naphthalene	13.82	128	4996	0.227	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.01	180	2098	0.317	ug/l	87

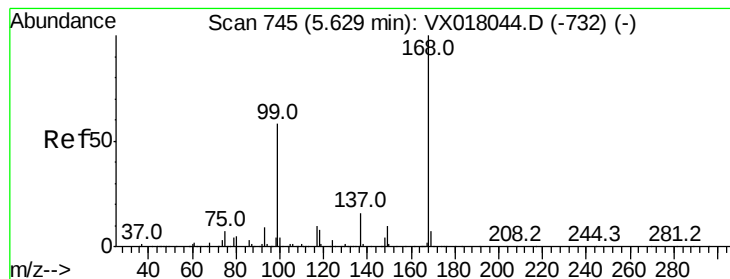
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091420\
Data File : VX018380.D
Acq On : 14 Sep 2020 13:11
Operator : JC/SP
Sample : L3993-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 15 05:10:27 2020
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

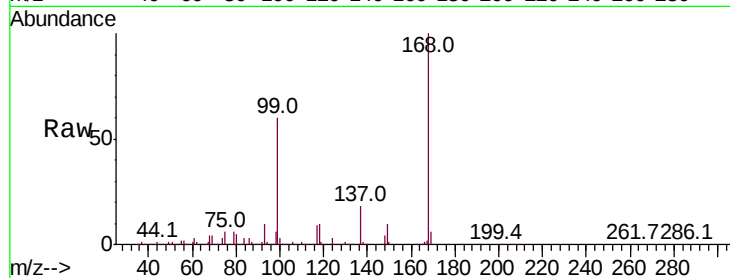
ClientSampleId :

Tot Ion:168 Resp: 454425

Ion Ratio Lower Upper

168 100

99 59.8 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

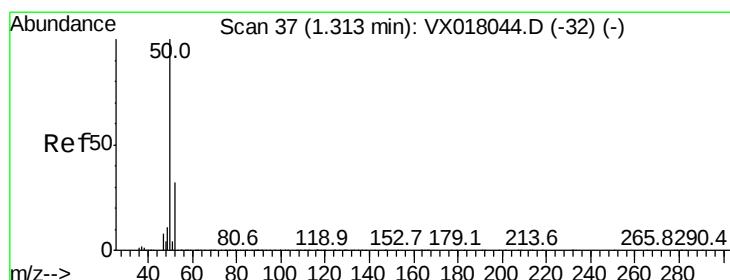
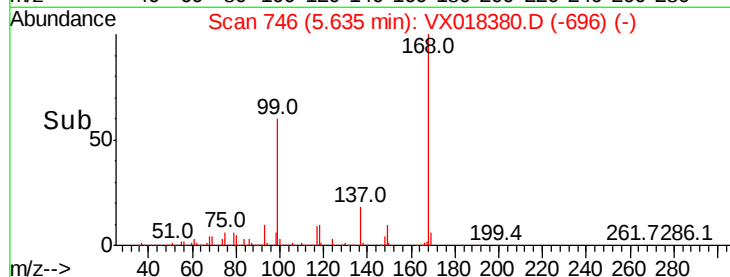
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018380.D

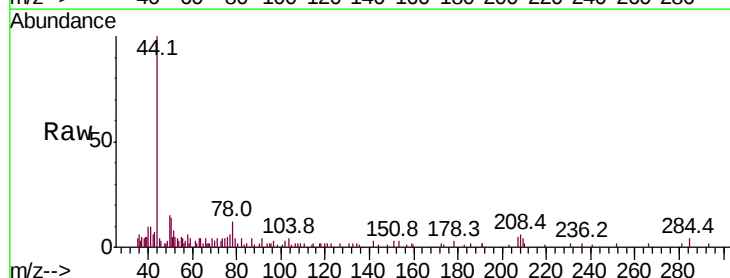
Acq: 14 Sep 2020 13:11

Tgt Ion: 50 Resp: 1234

Ion Ratio Lower Upper

50 100

52 35.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

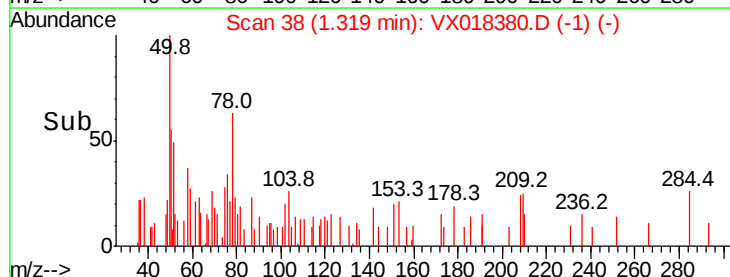
1.32

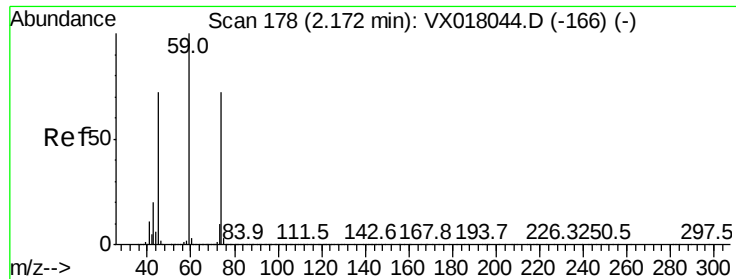
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.243 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

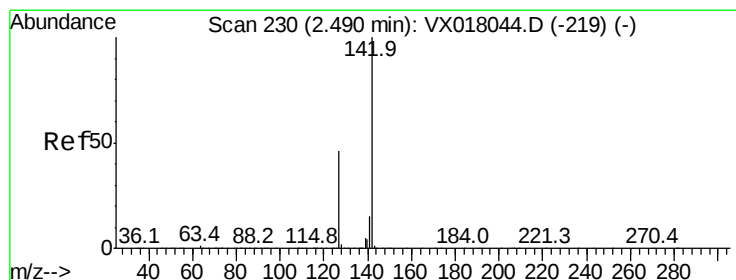
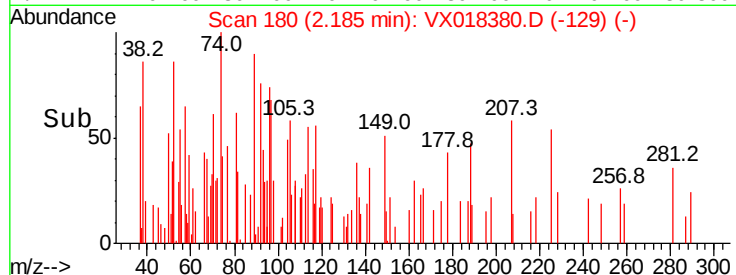
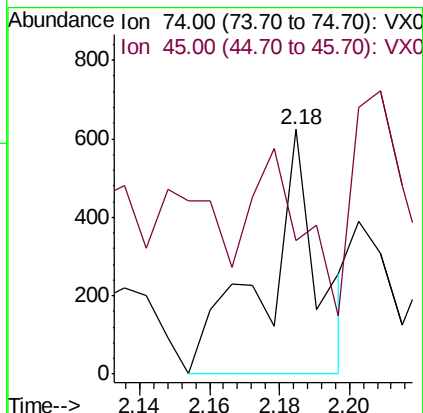
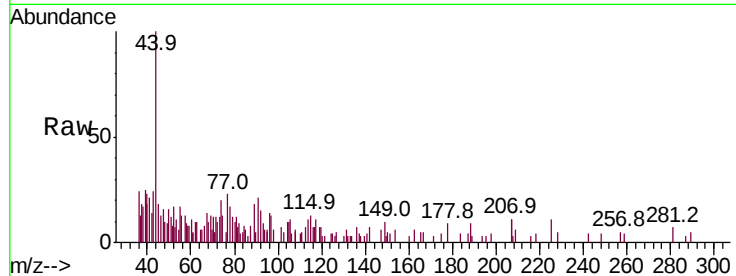
ClientSampleId :

Tot Ion: 74 Resp: 652

Ion Ratio Lower Upper

74 100

45 64.9 50.7 152.3



#10

Methyl Iodide

Concen: 5.533 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

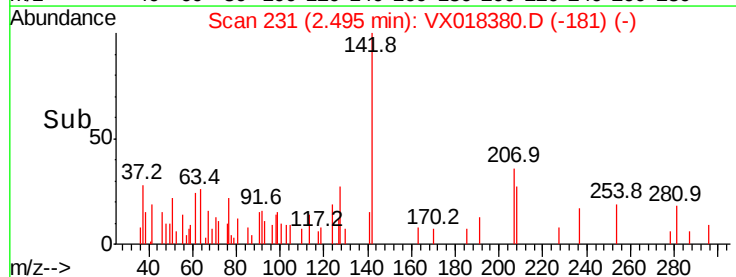
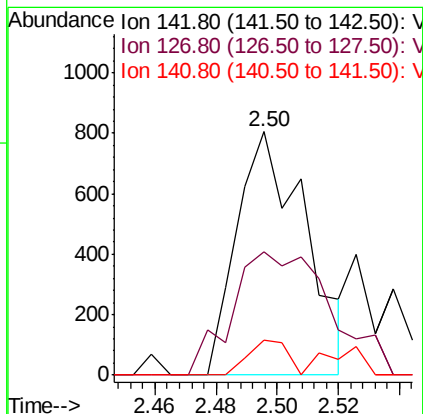
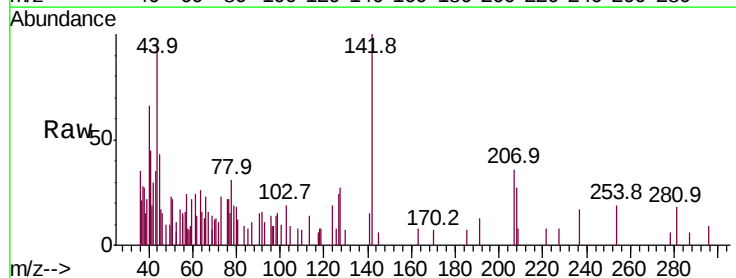
Tgt Ion: 142 Resp: 1260

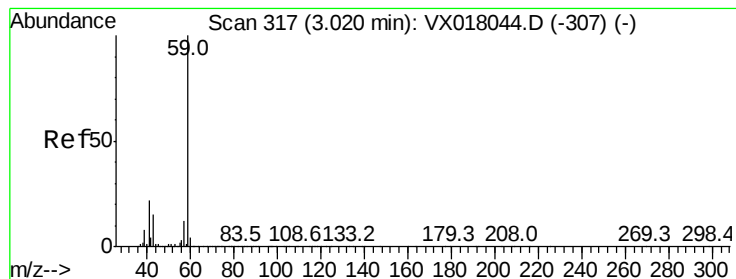
Ion Ratio Lower Upper

142 100

127 72.5 37.0 55.6#

141 8.3 11.5 17.3#



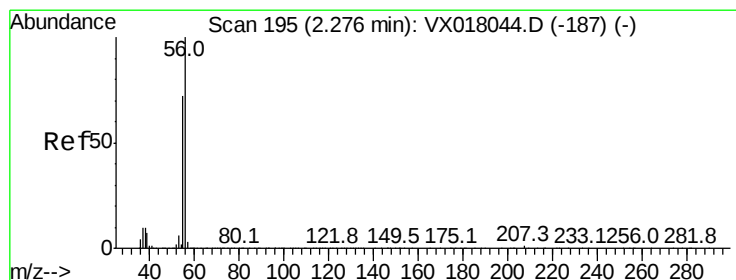
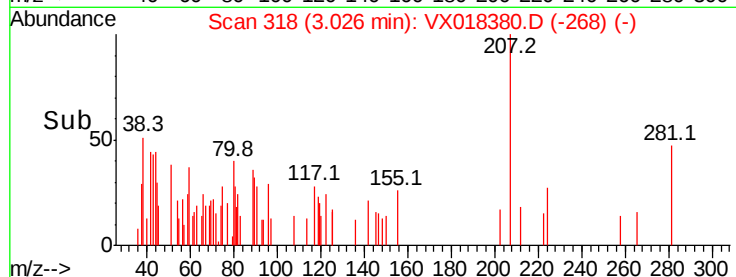
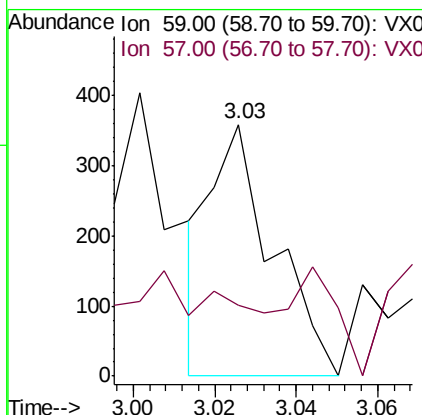
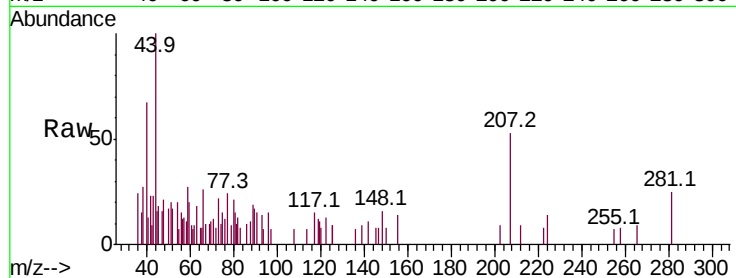


#11

Tert butyl alcohol
 Concen: 0.311 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX018380.D
 Acq: 14 Sep 2020 13:11

Instrument :
 MSVOA_X
 ClientSampled :

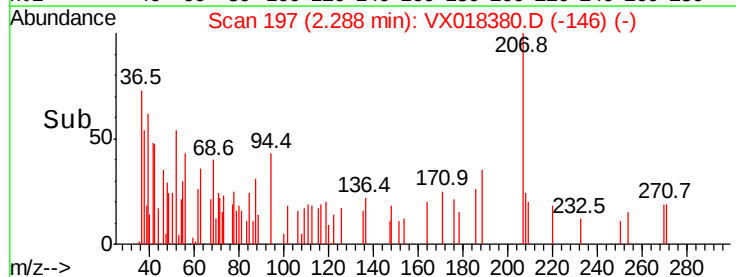
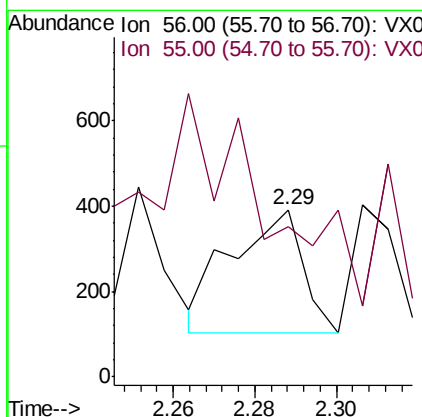
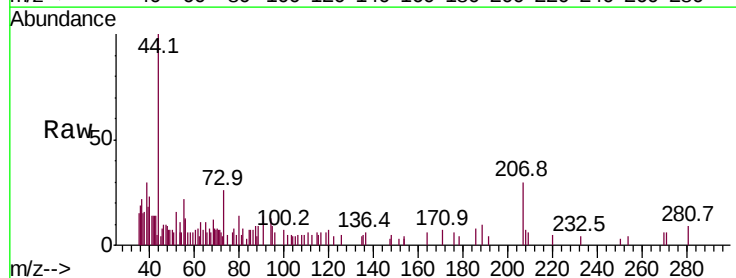
Tot Ion: 59 Resp: 382
 Ion Ratio Lower Upper
 59 100
 57 33.5 8.9 13.3#

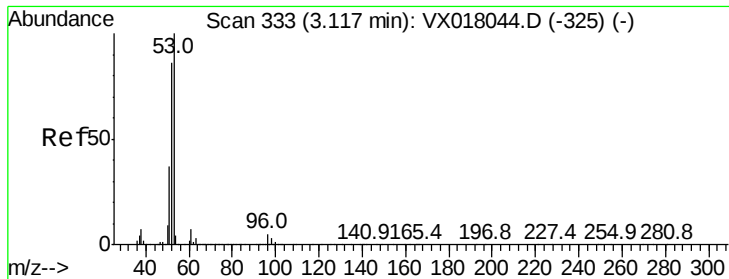


#13

Acrolein
 Concen: 0.696 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX018380.D
 Acq: 14 Sep 2020 13:11

Tgt Ion: 56 Resp: 354
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.521 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

ClientSampled :

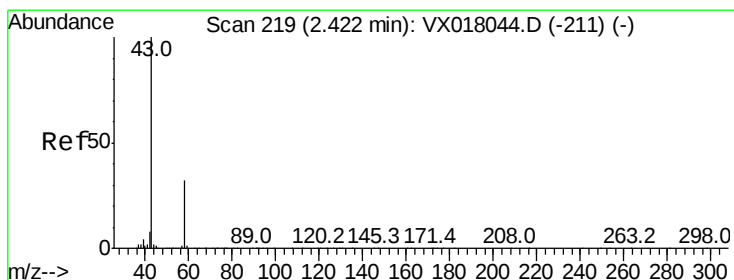
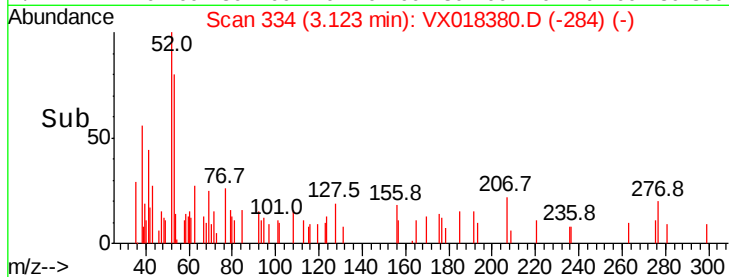
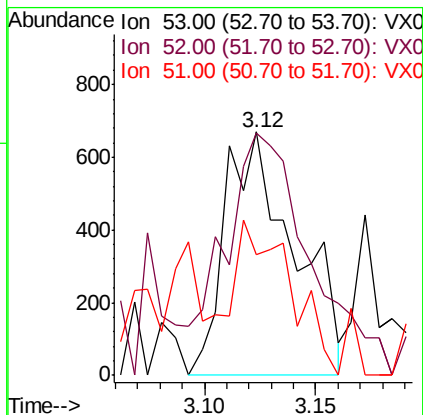
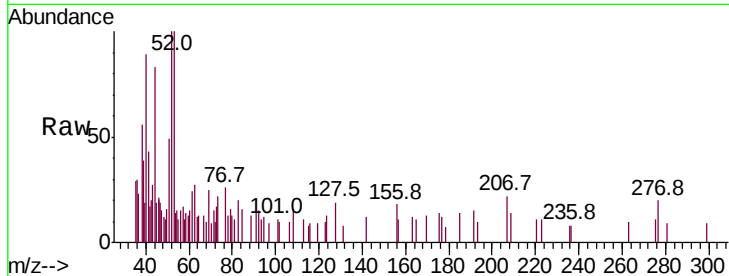
Tot Ion: 53 Resp: 1449

Ion Ratio Lower Upper

53 100

52 121.3 66.9 100.3#

51 48.1 28.7 43.1#



#16

Acetone

Concen: 1.065 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018380.D

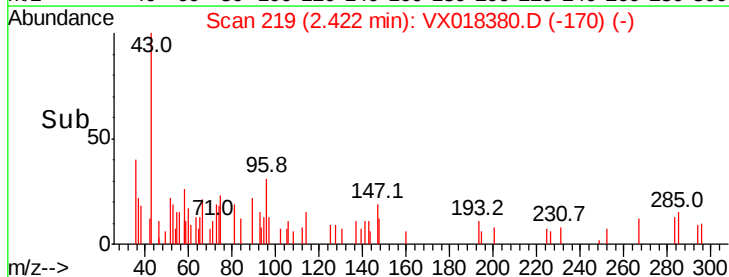
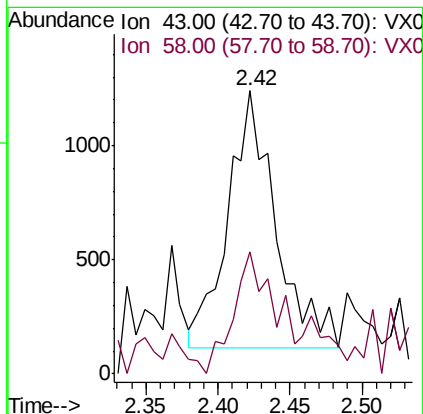
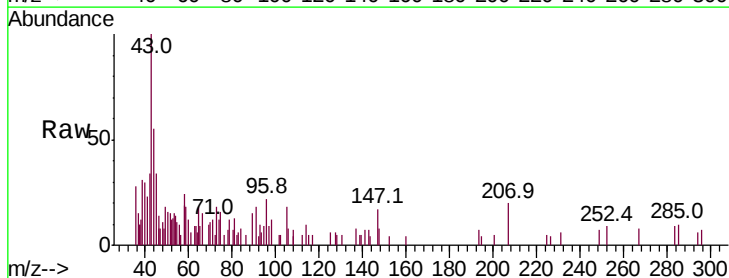
Acq: 14 Sep 2020 13:11

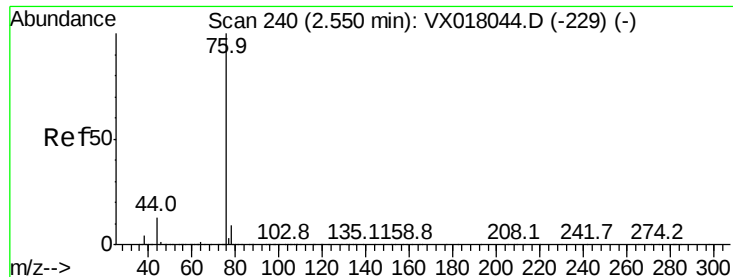
Tgt Ion: 43 Resp: 2619

Ion Ratio Lower Upper

43 100

58 41.5 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

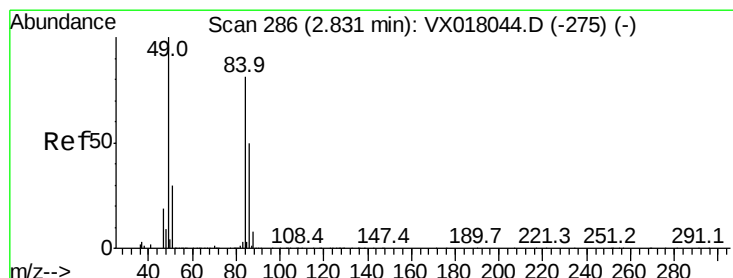
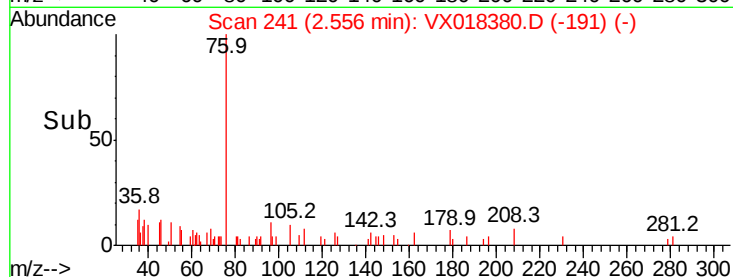
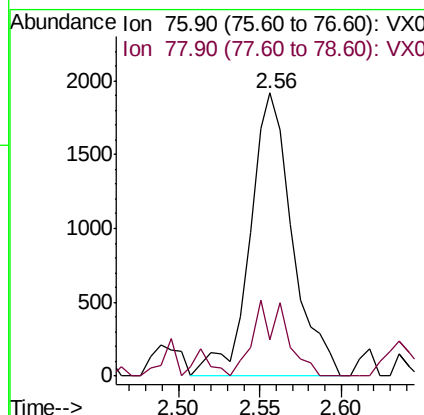
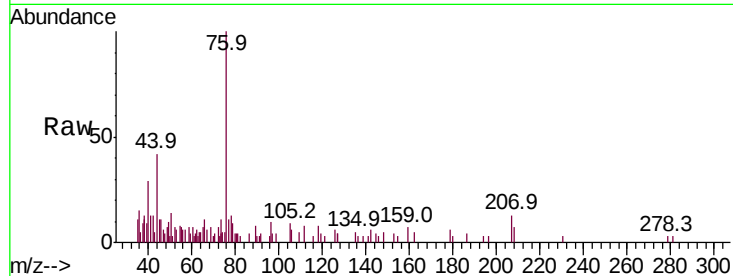
Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 3451

Ion	Ratio	Lower	Upper
76	100		
78	12.9	7.4	11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

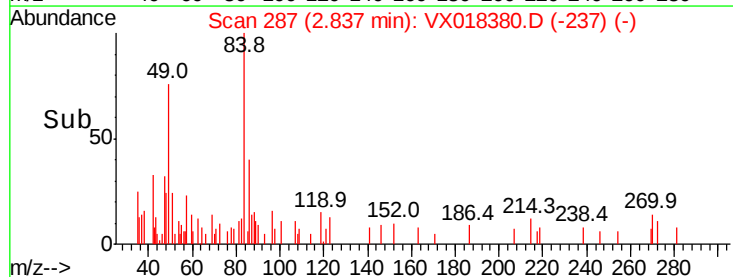
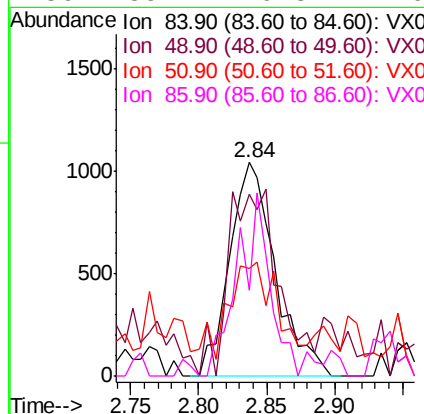
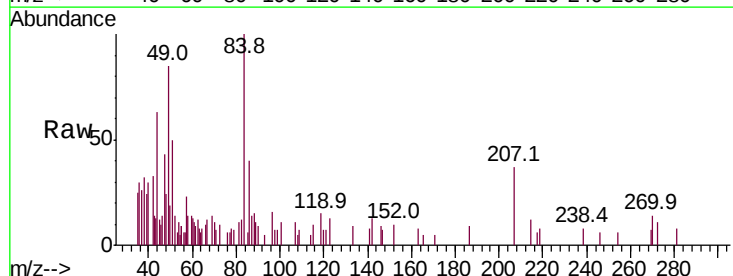
Delta R.T. 0.01 min

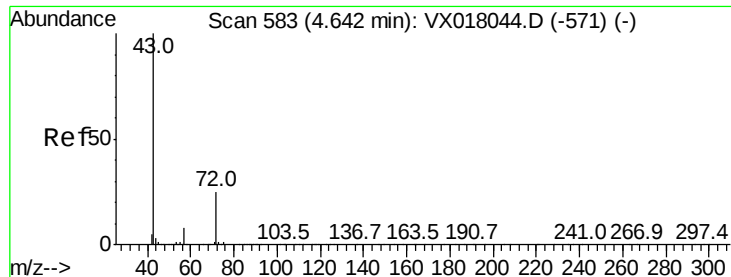
Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Tgt Ion: 84 Resp: 2437

Ion	Ratio	Lower	Upper
84	100		
49	73.2	98.6	148.0#
51	39.2	29.6	44.4
86	35.2	49.8	74.6#





#25

2-Butanone

Concen: 0.274 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

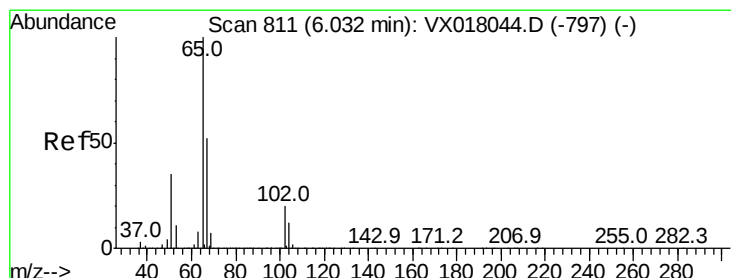
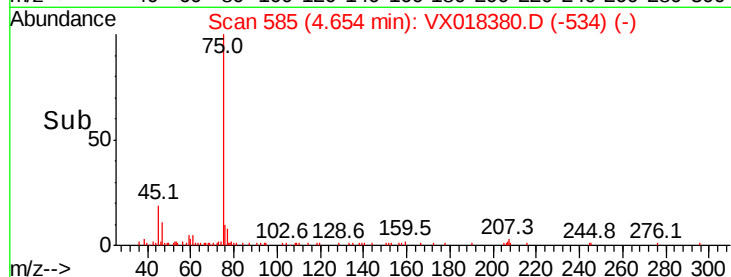
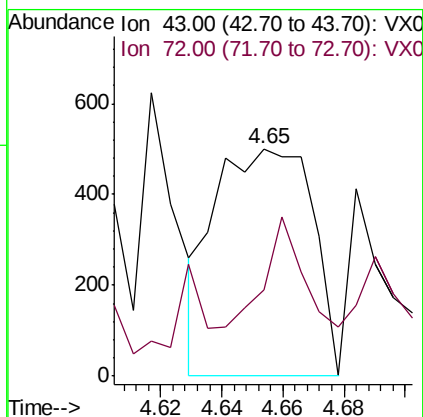
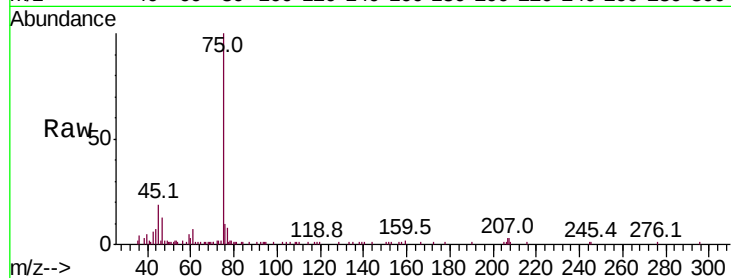
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1106

Ion Ratio Lower Upper

43 100

72 16.4 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 50.388 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018380.D

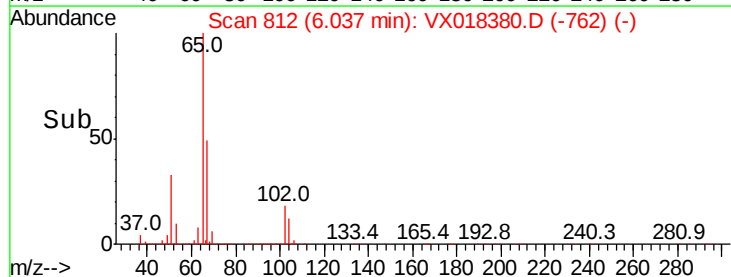
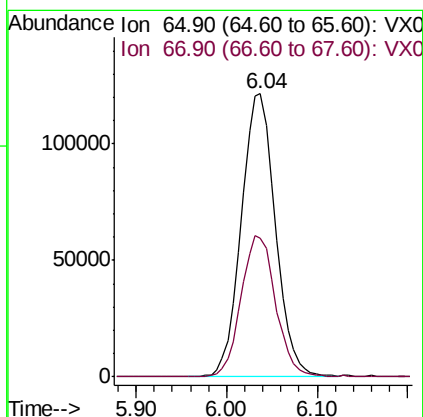
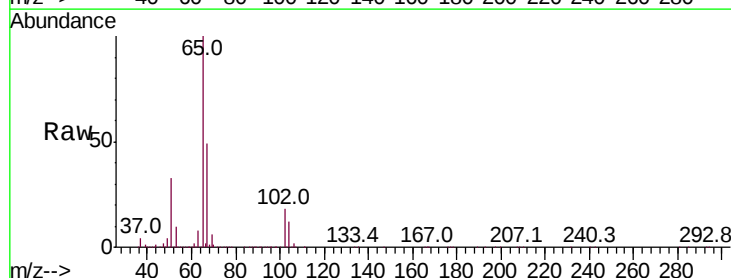
Acq: 14 Sep 2020 13:11

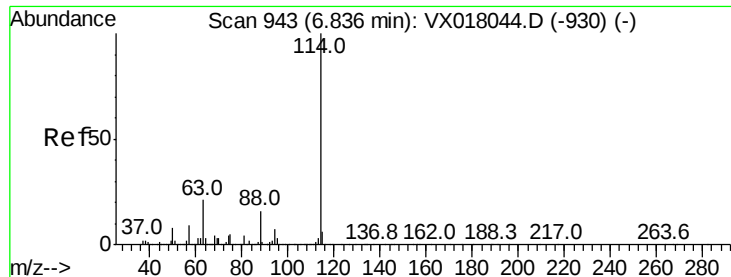
Tgt Ion: 65 Resp: 317874

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

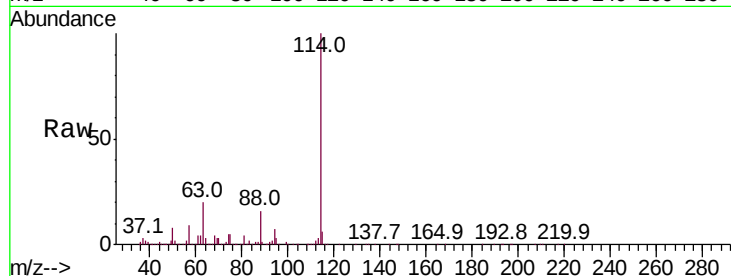
Tot Ion:114 Resp: 729289

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

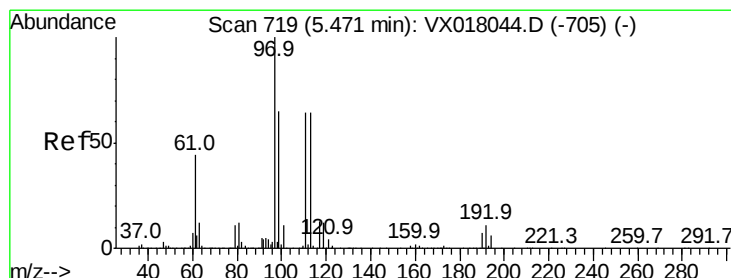
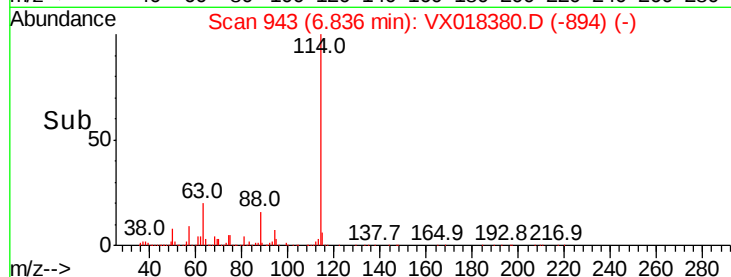
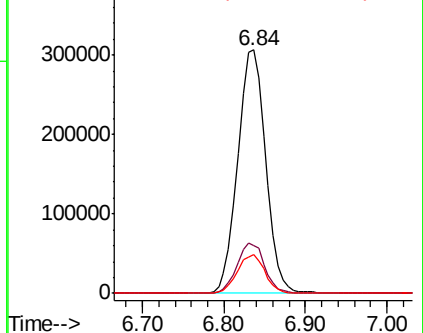
88 15.9 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 50.737 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

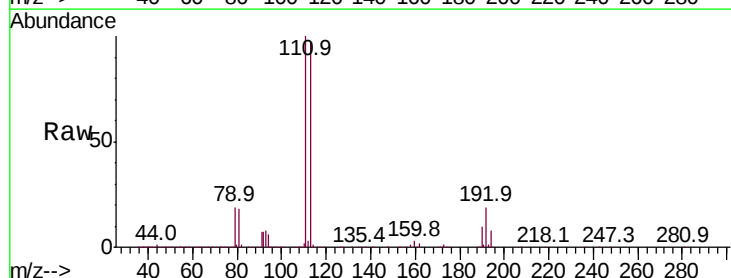
Tgt Ion:113 Resp: 252001

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

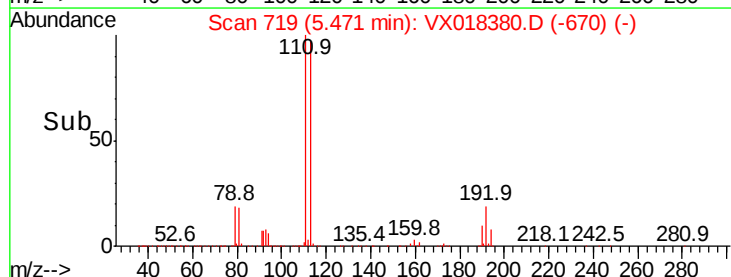
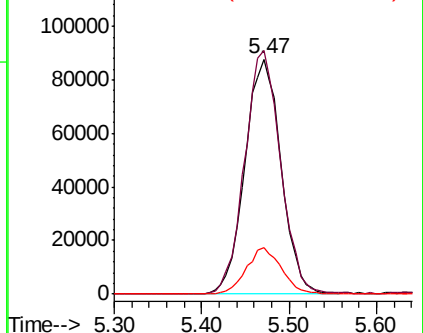
192 19.2 15.8 23.8

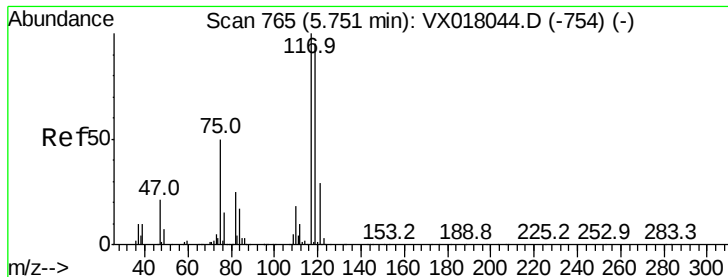


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

ClientSampleId :

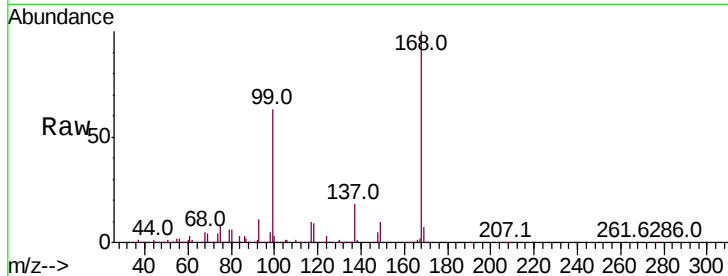
Tot Ion:117 Resp: 48276

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

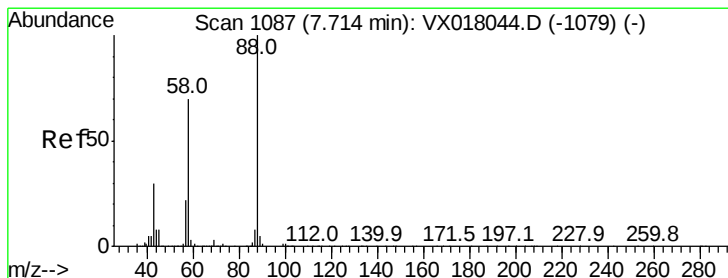
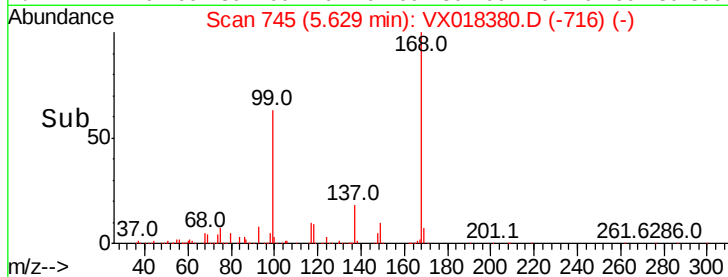
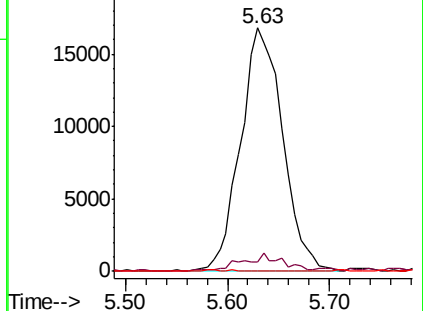
121 0.0 23.4 35.0#



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: 3.550 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

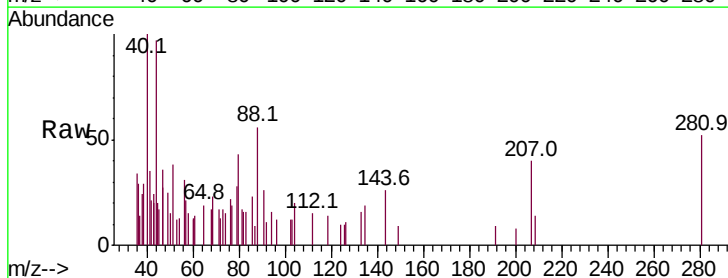
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 127.7 27.4 41.0#

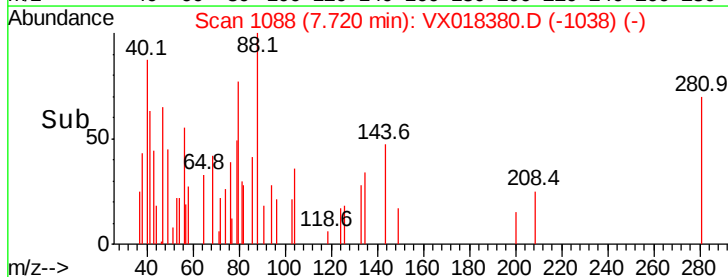
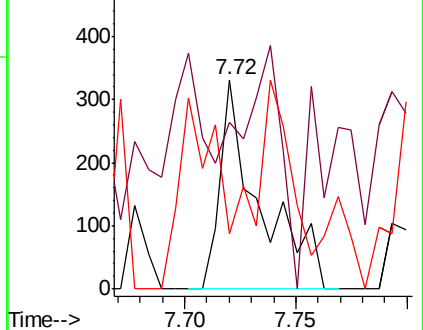
58 70.0 56.4 84.6

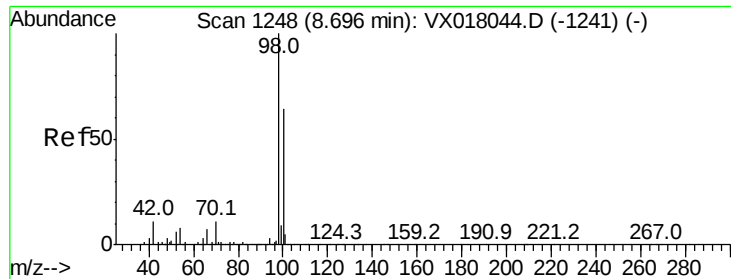


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

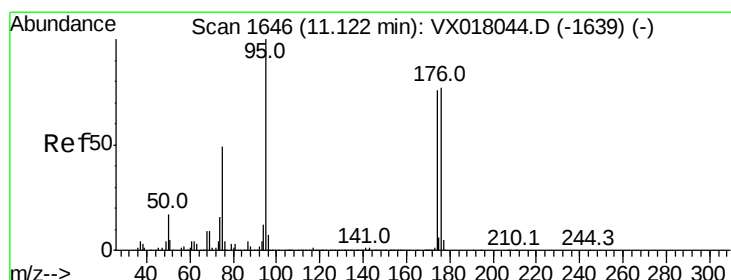
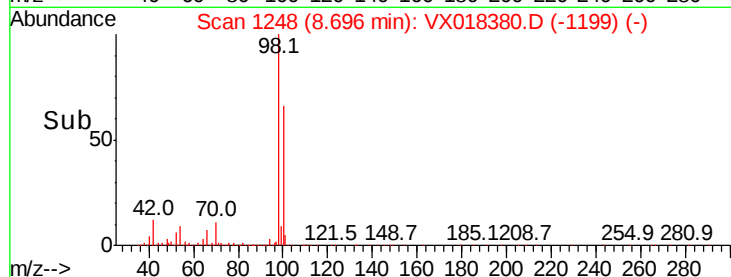
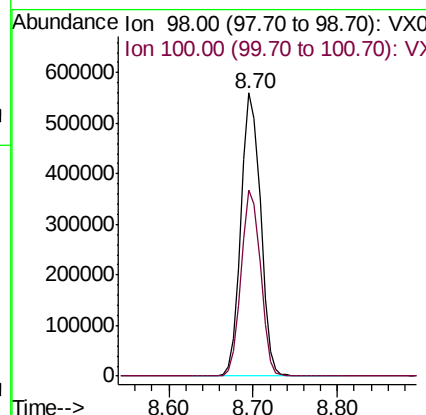
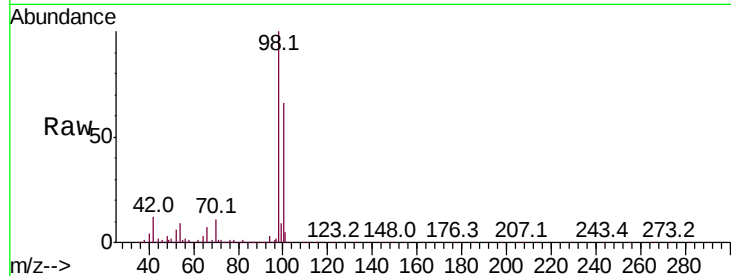




#50
Toluene-d8
Concen: 47.298 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

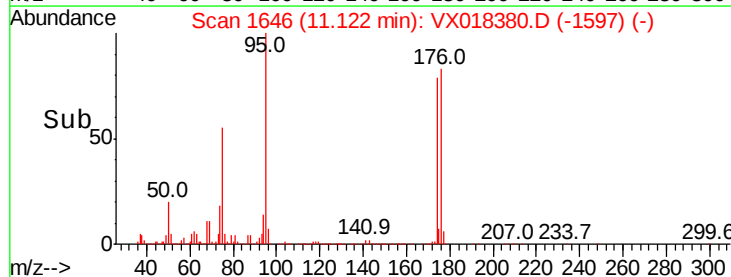
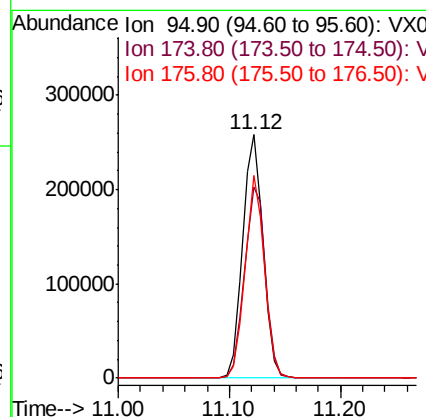
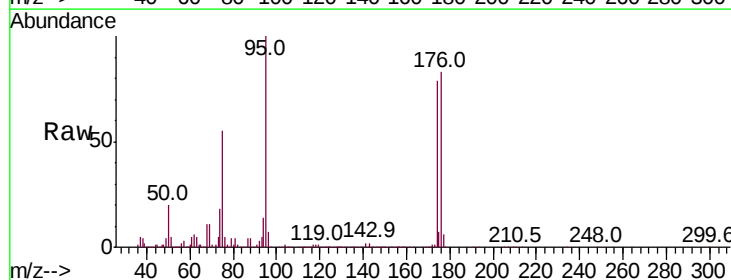
Instrument :
MSVOA_X
ClientSampleId :

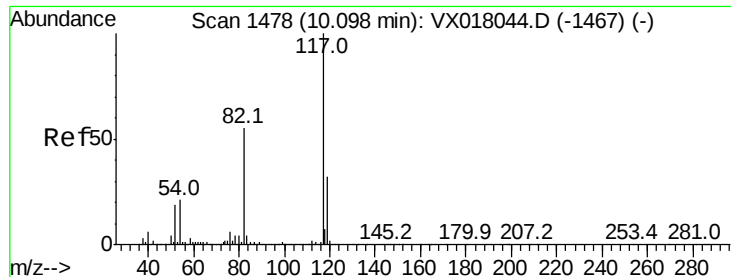
Tot Ion: 98 Resp: 874977
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.871 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

Tgt Ion: 95 Resp: 326583
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.2
176 79.2 0.0 155.8

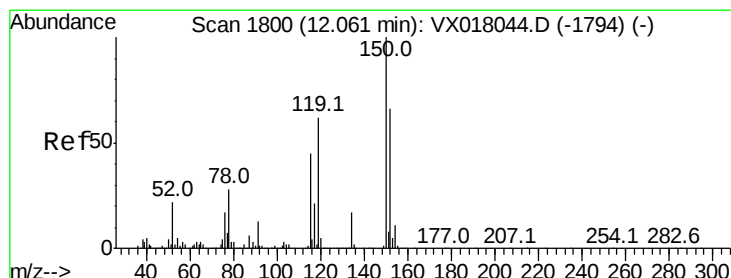
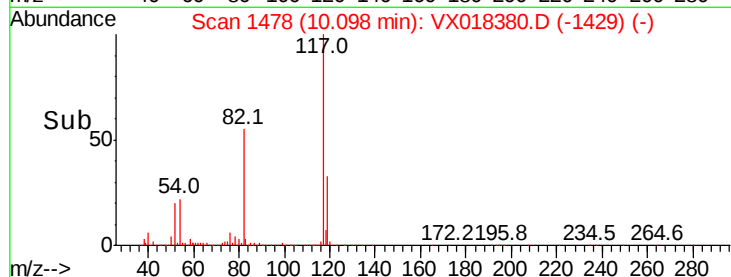
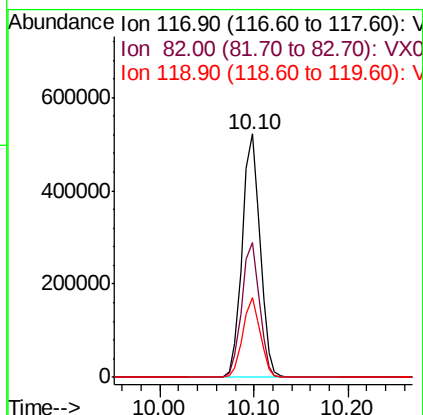
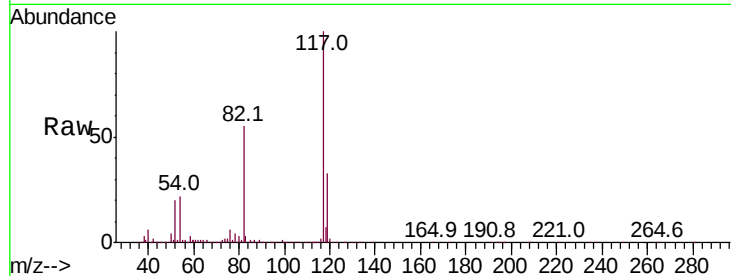




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

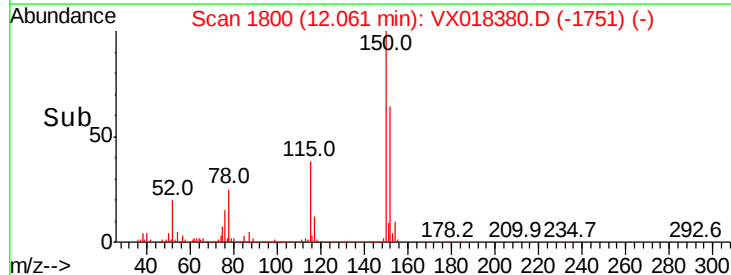
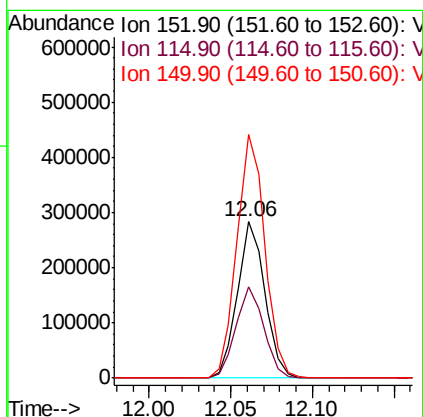
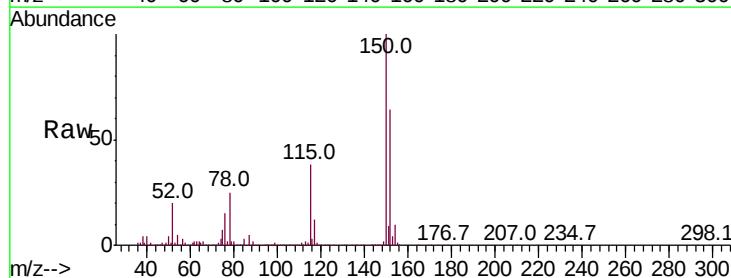
Instrument :
MSVOA_X
ClientSampleId :

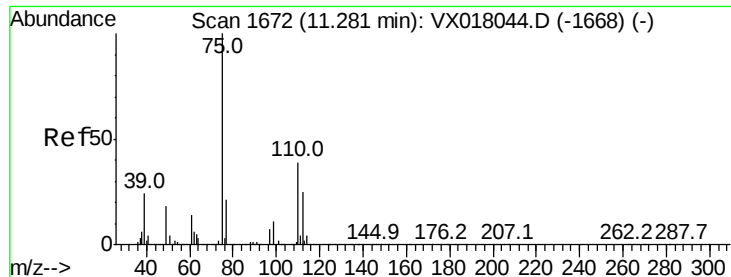
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	41.5	124.5
150	158.7	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.263 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

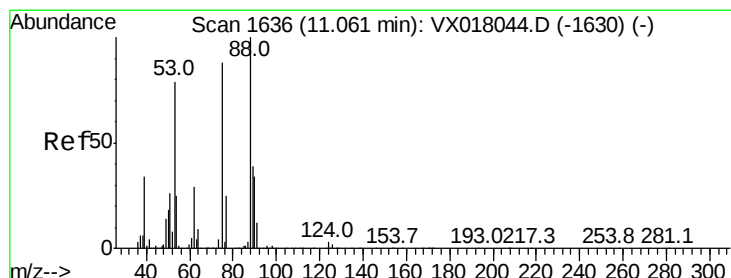
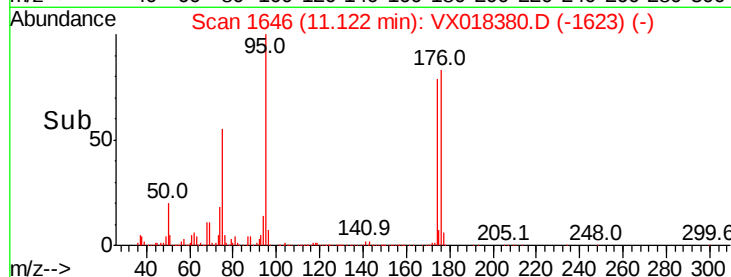
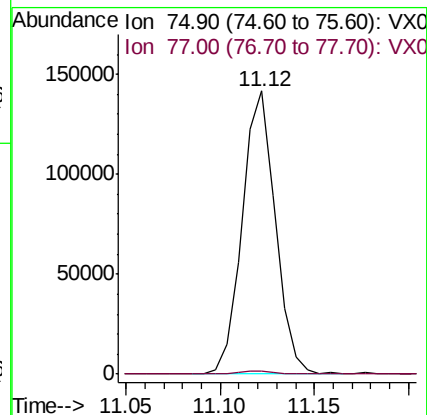
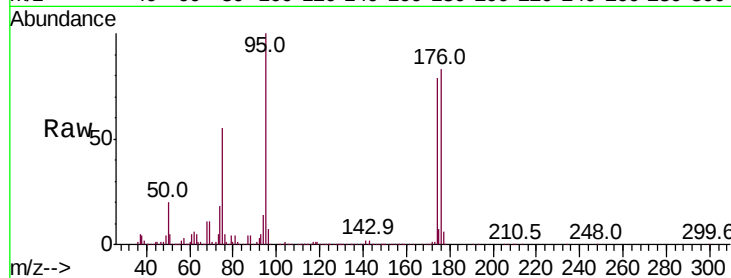
ClientSampleId :

Tot Ion: 75 Resp: 172483

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.829 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

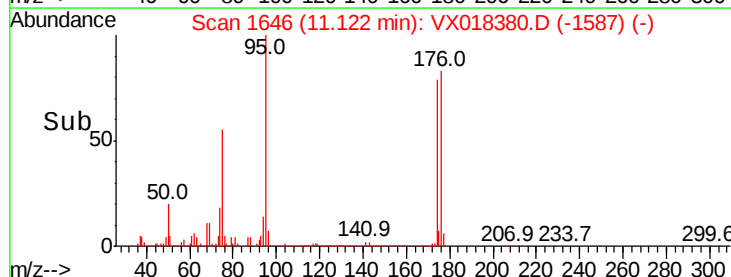
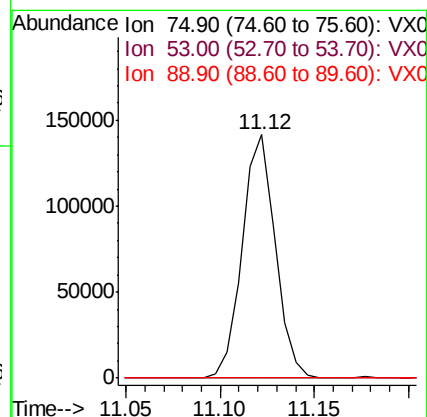
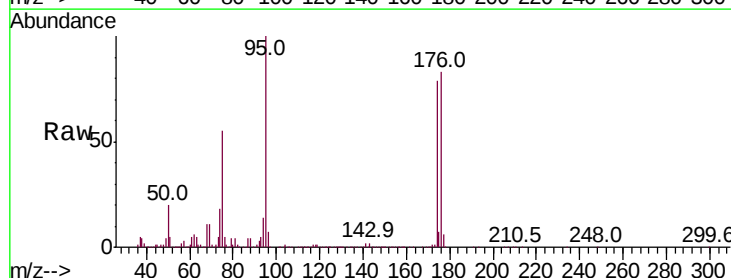
Tgt Ion: 75 Resp: 172483

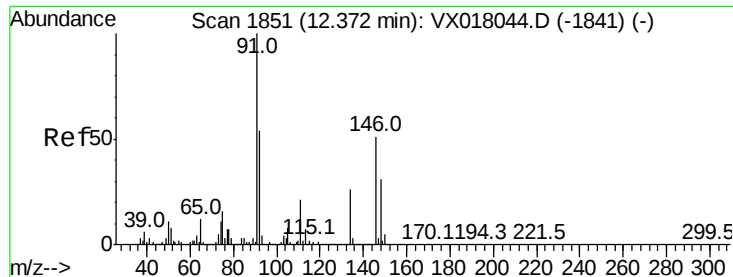
Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#

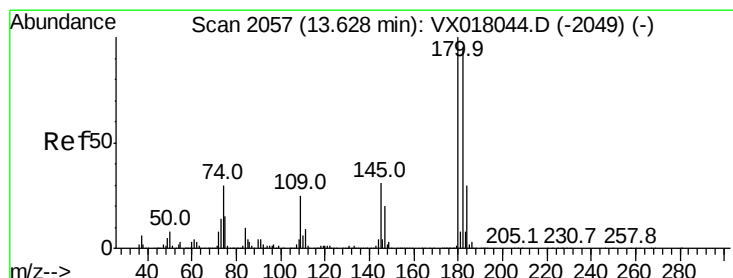
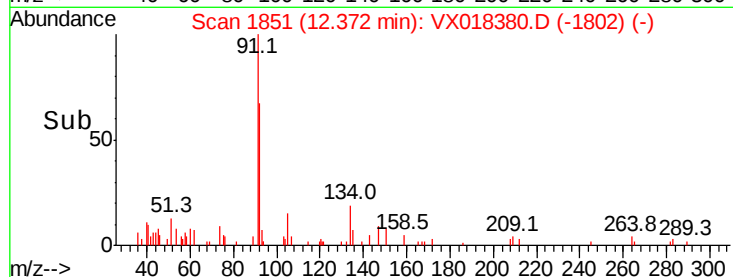
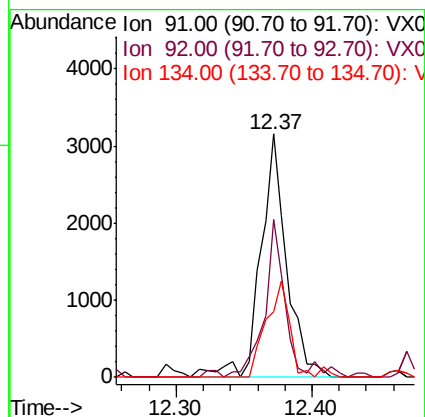
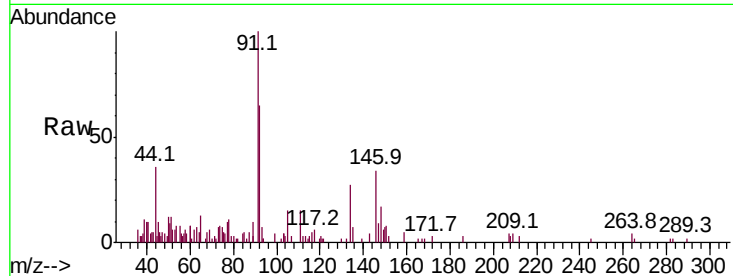




#89
n-Butylbenzene
Concen: 0.249 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

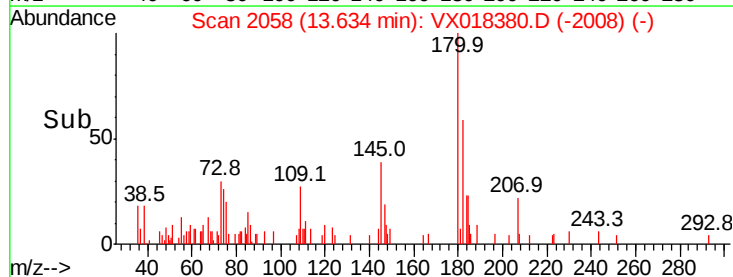
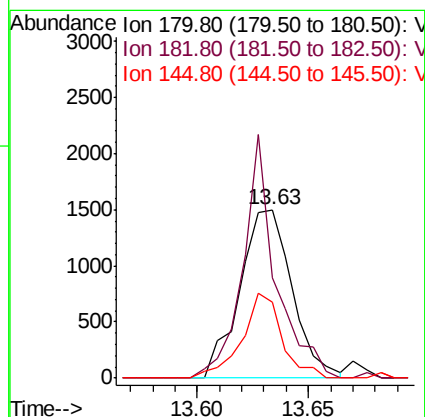
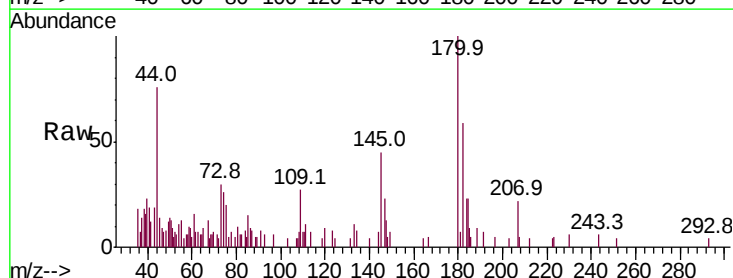
Instrument :
MSVOA_X
ClientSampleId :

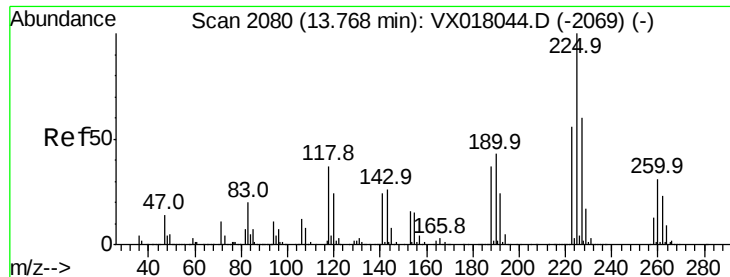
Tot Ion: 91 Resp: 4232
Ion Ratio Lower Upper
91 100
92 49.5 26.4 79.2
134 35.0 12.9 38.7



#93
1,2,4-Trichlorobenzene
Concen: 0.368 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX018380.D
Acq: 14 Sep 2020 13:11

Tgt Ion: 180 Resp: 2467
Ion Ratio Lower Upper
180 100
182 90.5 47.5 142.6
145 38.5 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.639 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

Instrument :

MSVOA_X

ClientSampled :

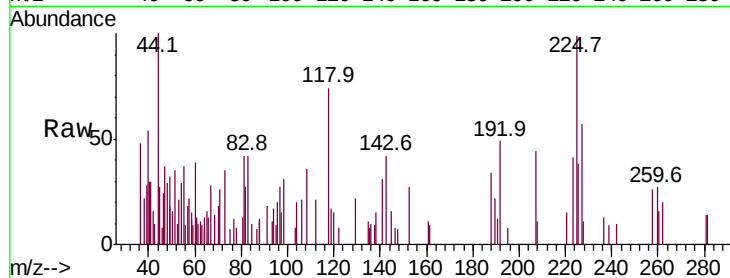
Tot Ion:225 Resp: 1688

Ion Ratio Lower Upper

225 100

223 48.9 30.7 92.1

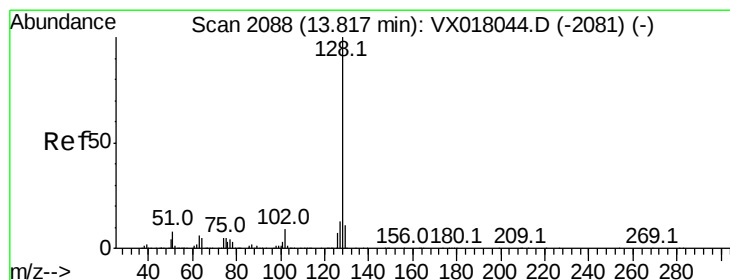
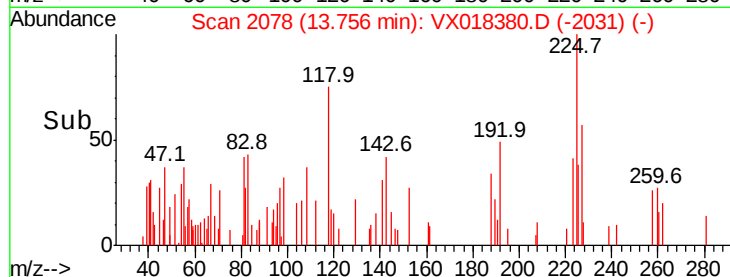
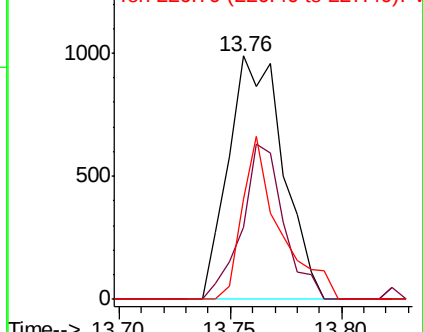
227 46.0 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.227 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018380.D

Acq: 14 Sep 2020 13:11

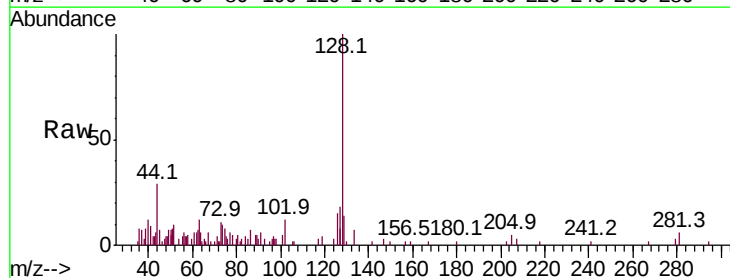
Tgt Ion:128 Resp: 4996

Ion Ratio Lower Upper

128 100

127 19.6 10.2 15.2#

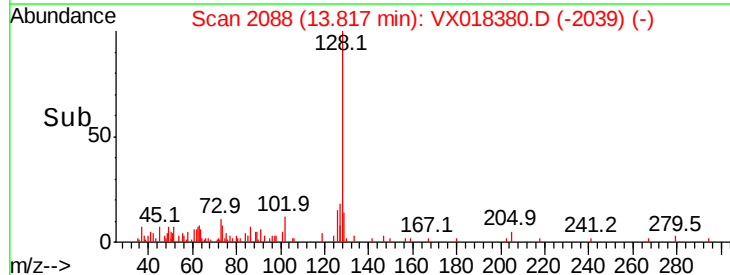
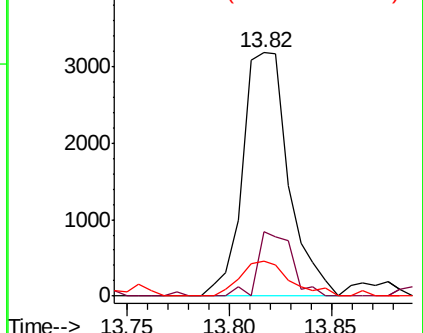
129 15.4 8.7 13.1#

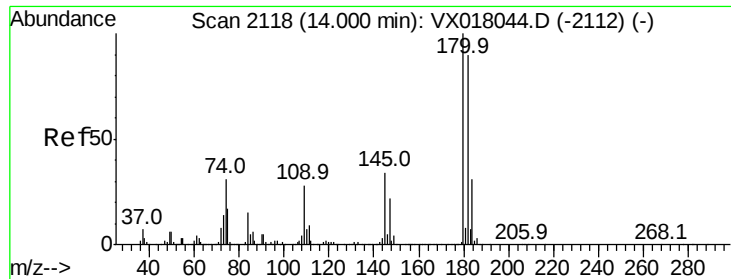


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018380.D
 Acq: 14 Sep 2020 13:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.8	47.3	142.0
145	37.9	17.5	52.6

