

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018227.D
 Acq On : 03 Sep 2020 12:21
 Operator : JC/SP
 Sample : L3874-01 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:19:36 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	477289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	771647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	731914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	355724	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	344465	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	5.46	113	266995	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	8.70	98	928054	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.12	95	340336	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

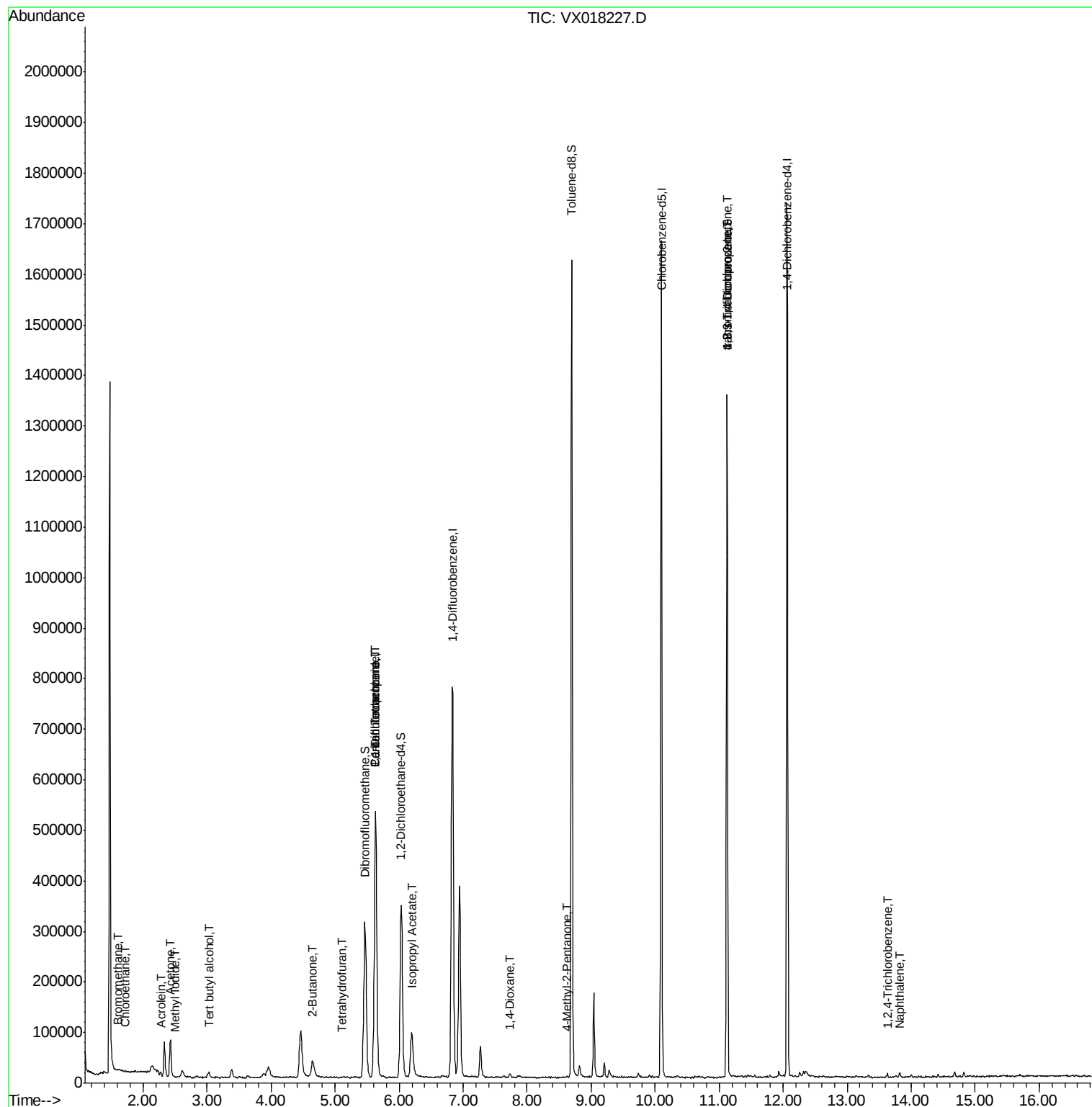
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	644	0.219	ug/l #	3
6) Chloroethane	1.73	64	882	0.269	ug/l	99
10) Methyl Iodide	2.50	142	781	5.432	ug/l #	81
11) Tert butyl alcohol	3.03	59	16563	12.856	ug/l	100
13) Acrolein	2.28	56	5643	10.563	ug/l	97
16) Acetone	2.43	43	81889	31.717	ug/l	94
20) Methylene Chloride	2.84	84	1939	Below Cal	#	89
25) 2-Butanone	4.64	43	15522	3.658	ug/l #	84
29) Tetrahydrofuran	5.10	42	1066	0.395	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	35667	5.011	ug/l #	53
38) Carbon Tetrachloride	5.64	117	48960	6.104	ug/l #	17
43) Isopropyl Acetate	6.20	43	77957	5.839	ug/l #	62
49) 1,4-Dioxane	7.72	88	102	0.847	ug/l #	12
51) 4-Methyl-2-Pentanone	8.62	43	1711	0.207	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	172398	21.786	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172398	58.841	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1545	0.216	ug/l #	88
95) Naphthalene	13.82	128	5665	0.241	ug/l #	91

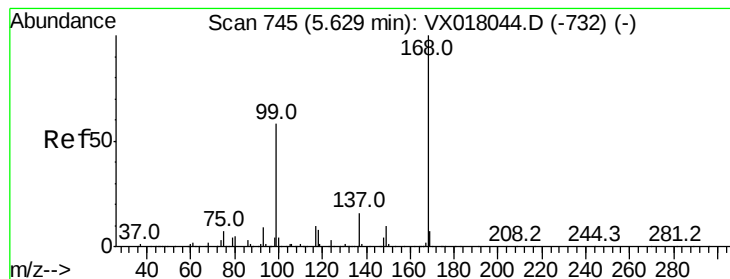
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

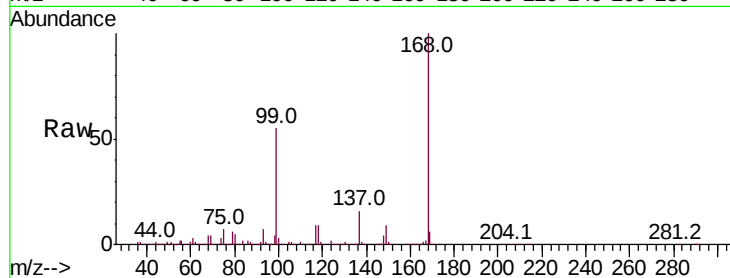
ClientSampleId :

Tot Ion:168 Resp: 477289

Ion Ratio Lower Upper

168 100

99 55.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

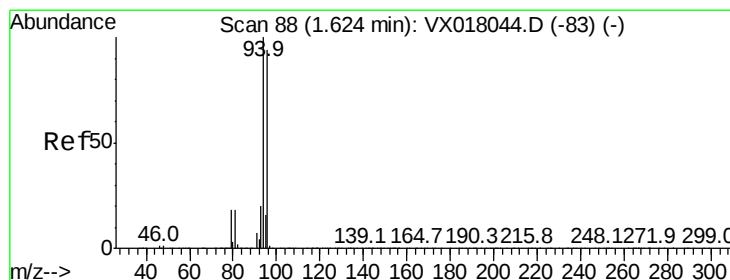
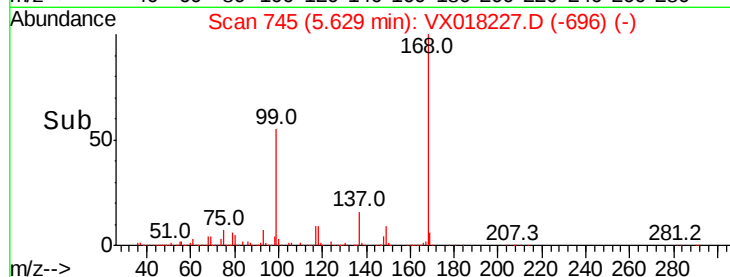
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.219 ug/l

RT: 1.61 min Scan# 85

Delta R.T. -0.02 min

Lab File: VX018227.D

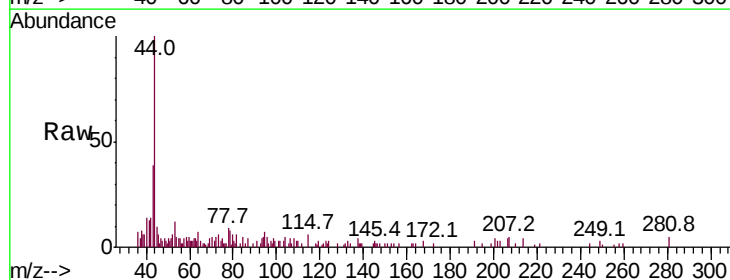
Acq: 03 Sep 2020 12:21

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

600

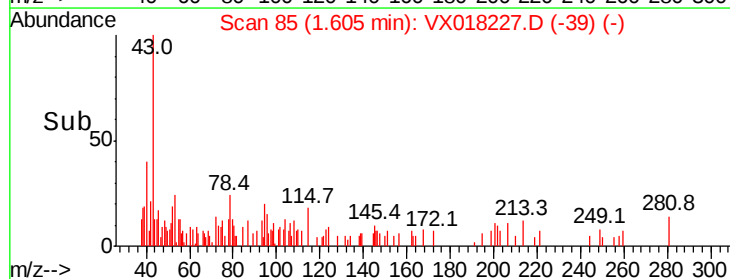
400

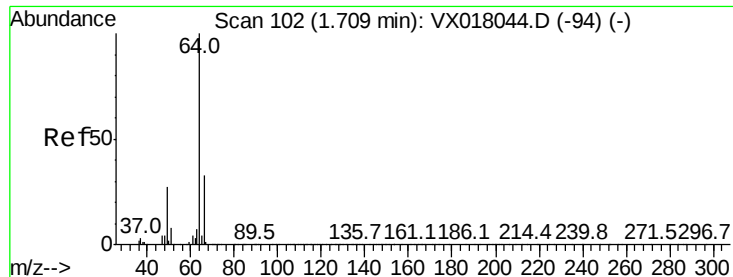
200

0

Time-->

1.56 1.58 1.60 1.62





#6

Chloroethane

Concen: 0.269 ug/l

RT: 1.73 min Scan# 105

Delta R.T. 0.02 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

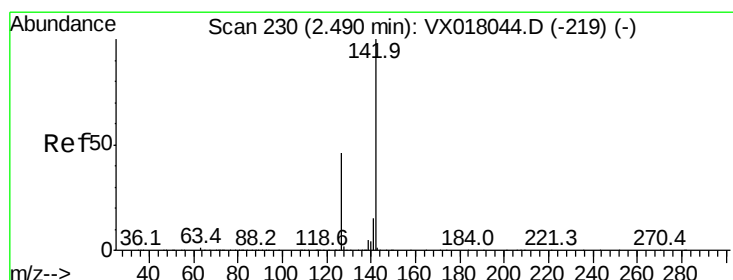
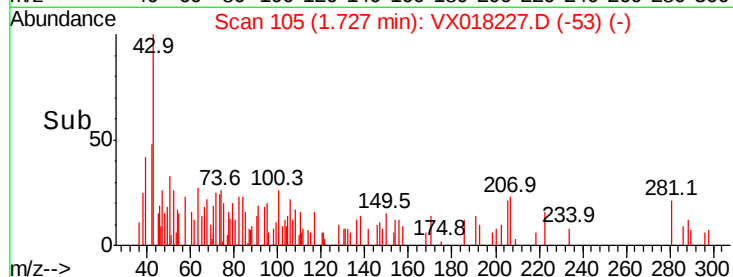
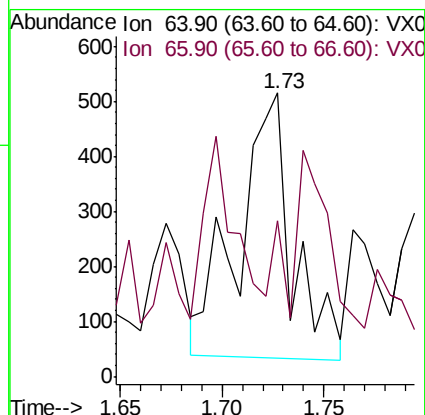
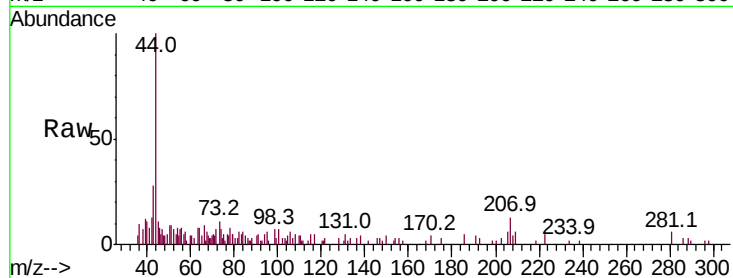
ClientSampled :

Tot Ion: 64 Resp: 882

Ion Ratio Lower Upper

64 100

66 32.7 26.6 39.8



#10

Methyl Iodide

Concen: 5.432 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

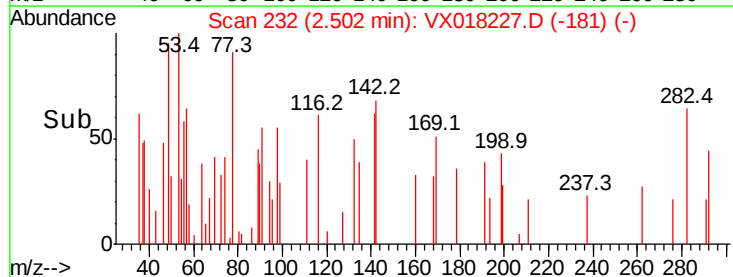
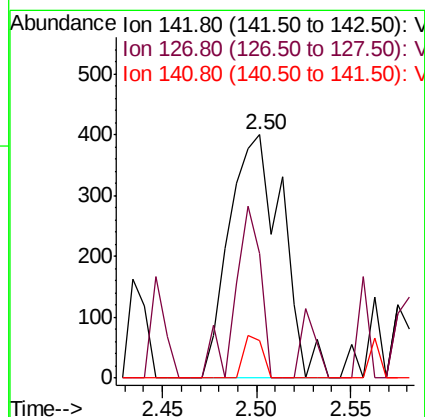
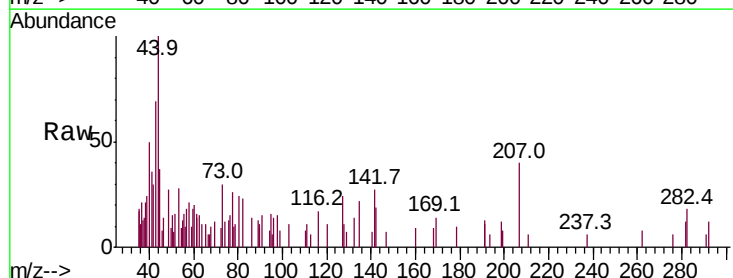
Tgt Ion: 142 Resp: 781

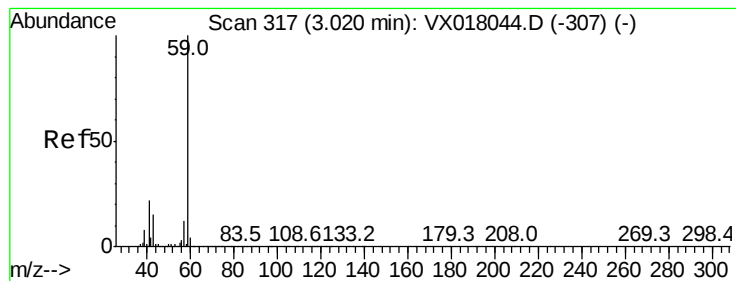
Ion Ratio Lower Upper

142 100

127 34.3 37.0 55.6#

141 6.1 11.5 17.3#





#11

Tert butyl alcohol

Concen: 12.856 ug/l

RT: 3.03 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

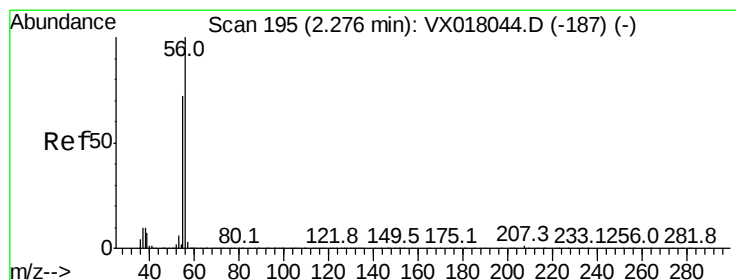
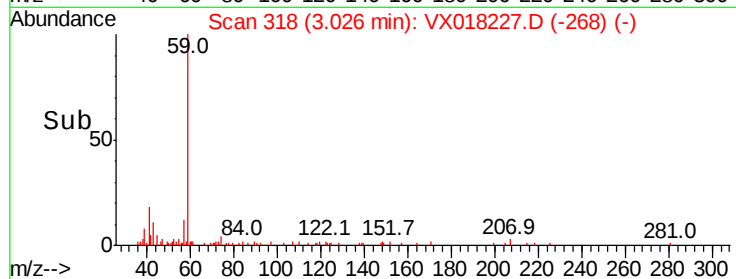
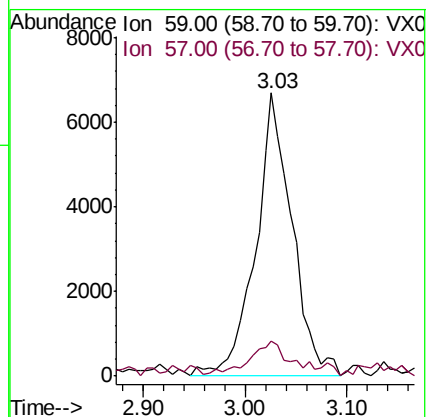
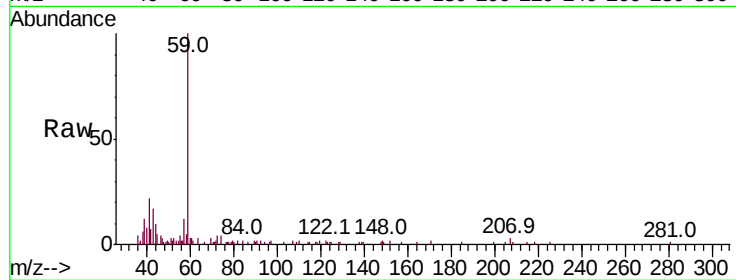
ClientSampleId :

Tot Ion: 59 Resp: 16563

Ion Ratio Lower Upper

59 100

57 11.1 8.9 13.3



#13

Acrolein

Concen: 10.563 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018227.D

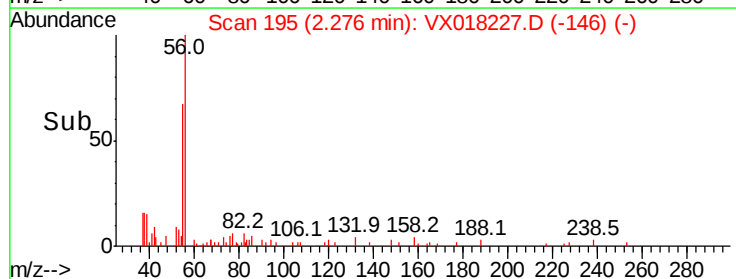
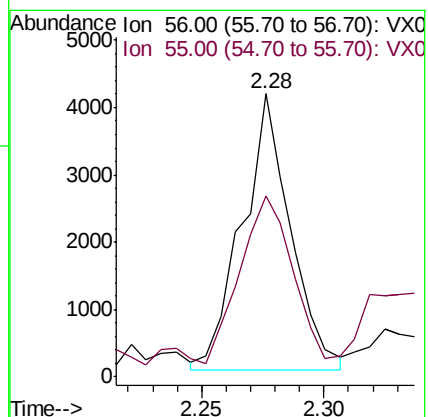
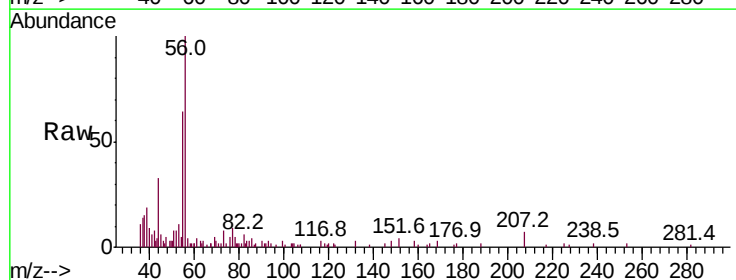
Acq: 03 Sep 2020 12:21

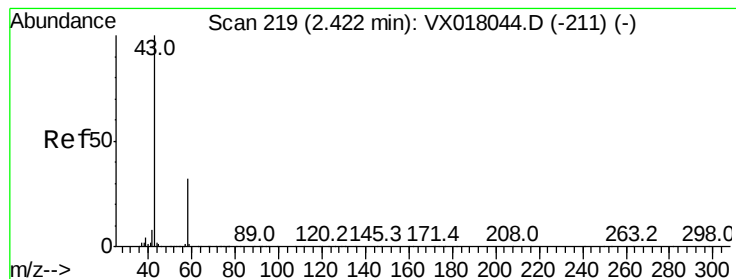
Tgt Ion: 56 Resp: 5643

Ion Ratio Lower Upper

56 100

55 73.4 57.0 85.6





#16

Acetone

Concen: 31.717 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

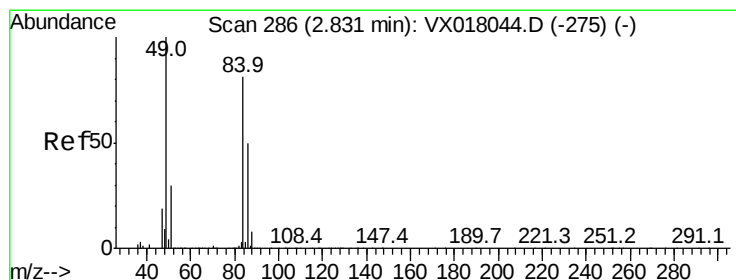
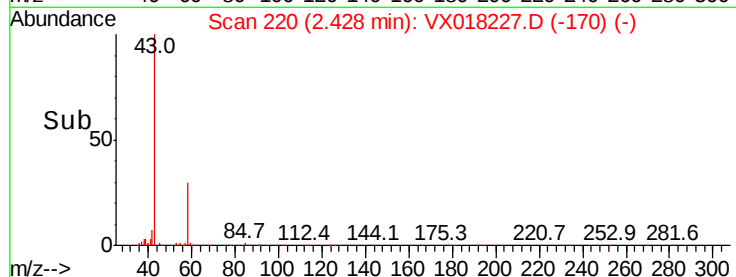
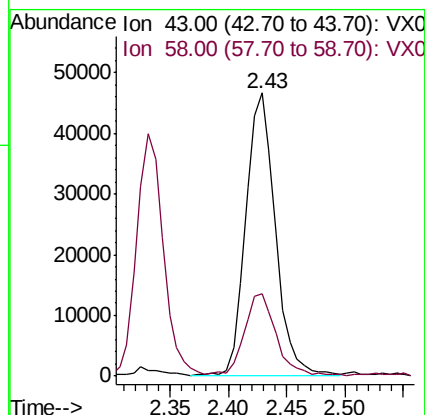
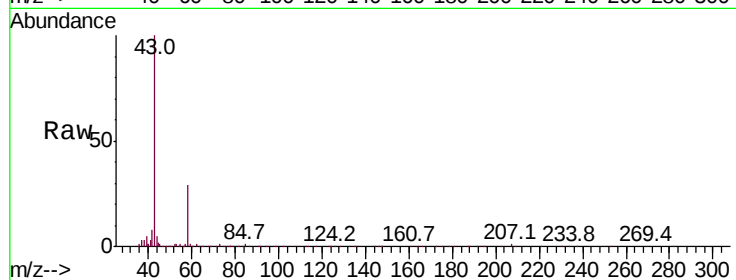
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 81889

Ion Ratio Lower Upper

43 100

58 28.5 25.5 38.3



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Tgt Ion: 84 Resp: 1939

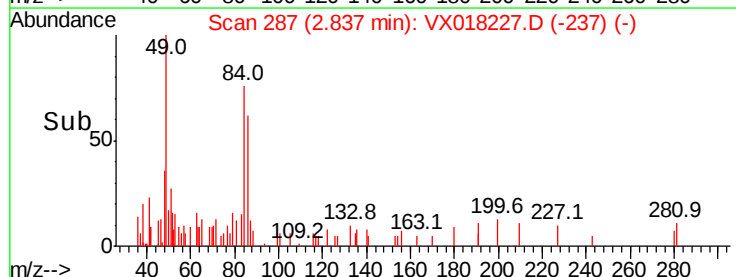
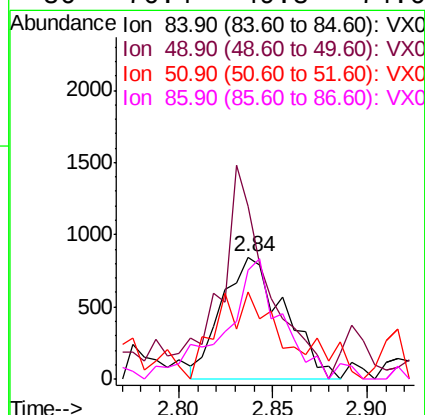
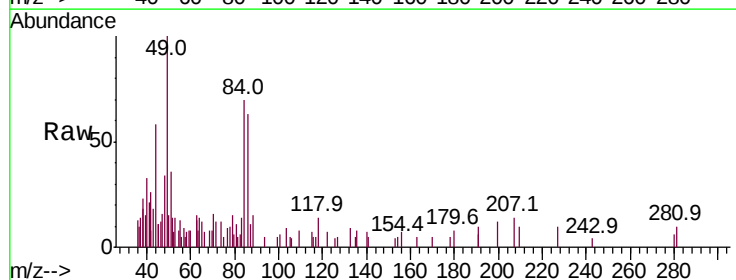
Ion Ratio Lower Upper

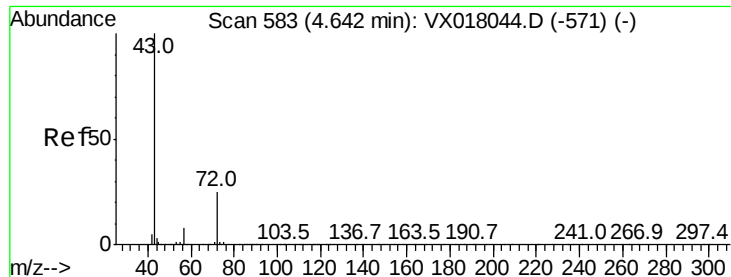
84 100

49 121.2 98.6 148.0

51 54.6 29.6 44.4#

86 76.4 49.8 74.6#





#25

2-Butanone

Concen: 3.658 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

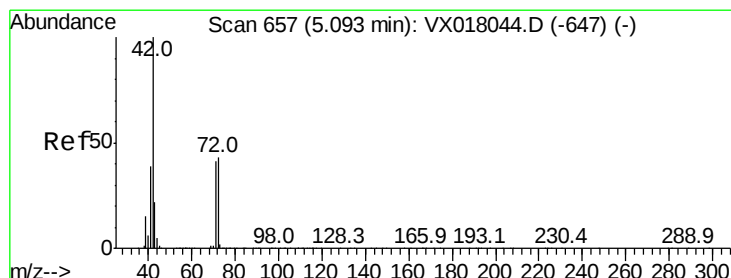
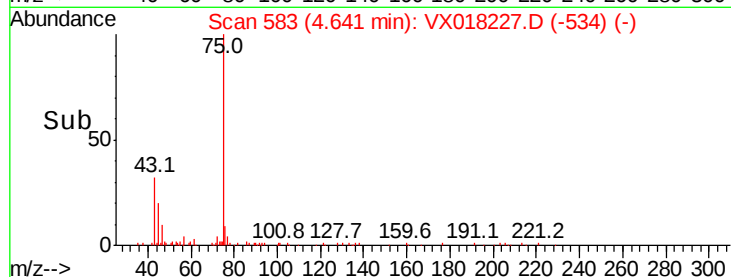
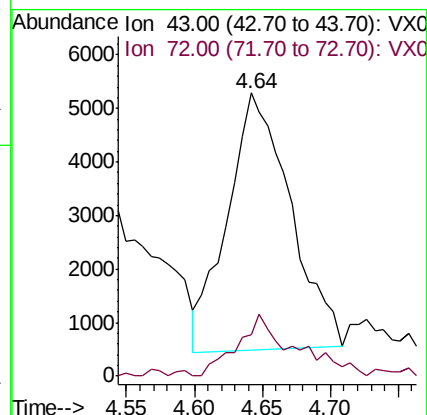
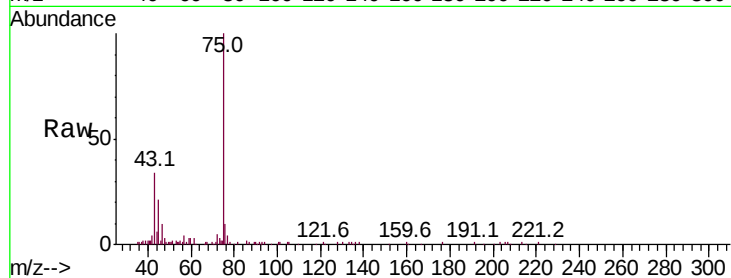
ClientSampleId :

Tot Ion: 43 Resp: 15522

Ion Ratio Lower Upper

43 100

72 16.5 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.395 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

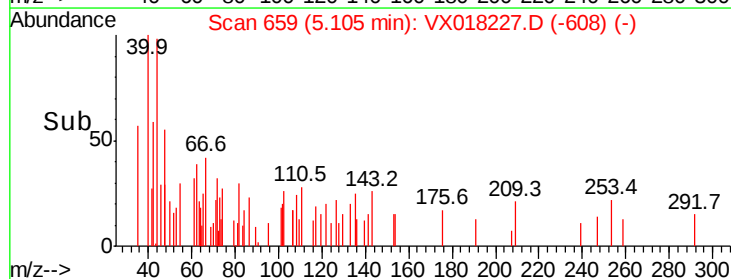
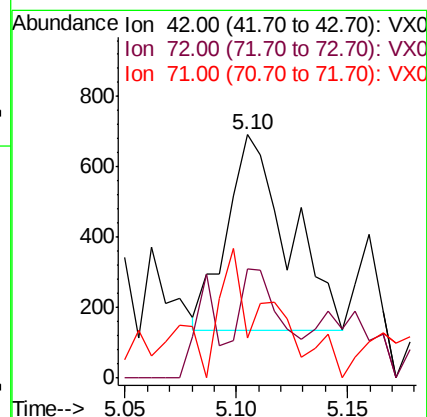
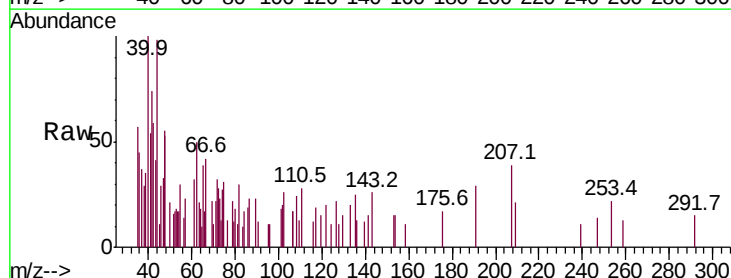
Tgt Ion: 42 Resp: 1066

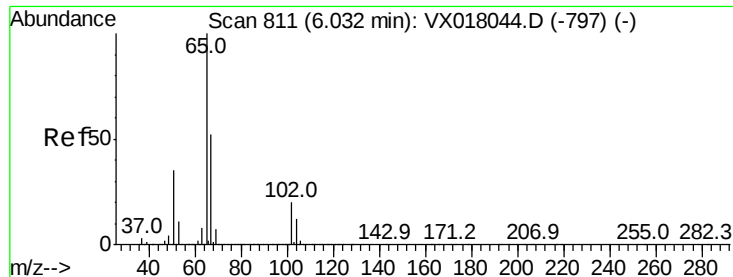
Ion Ratio Lower Upper

42 100

72 39.9 34.2 51.4

71 54.1 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 51.987 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

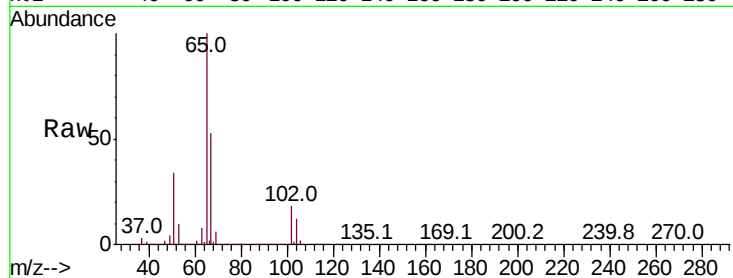
ClientSampled :

Tot Ion: 65 Resp: 344465

Ion Ratio Lower Upper

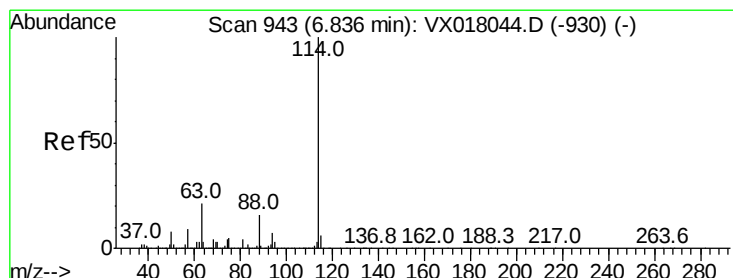
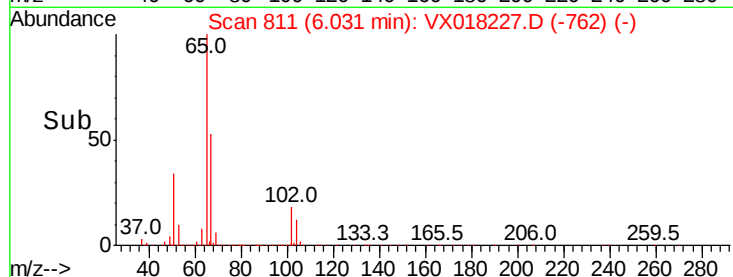
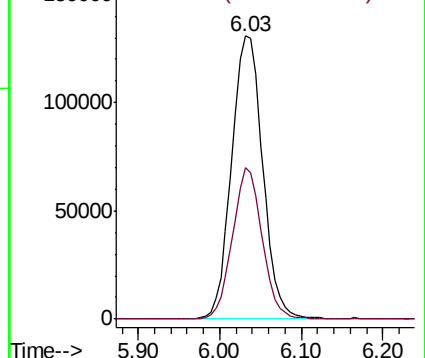
65 100

67 50.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

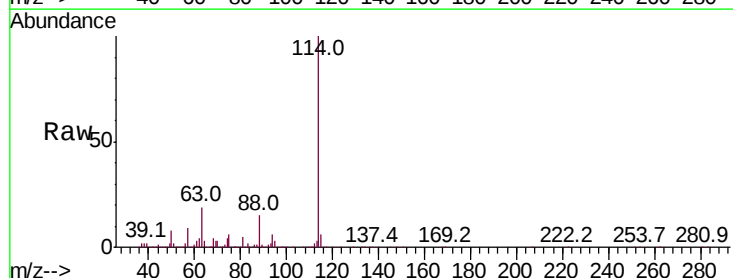
Tgt Ion: 114 Resp: 771647

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

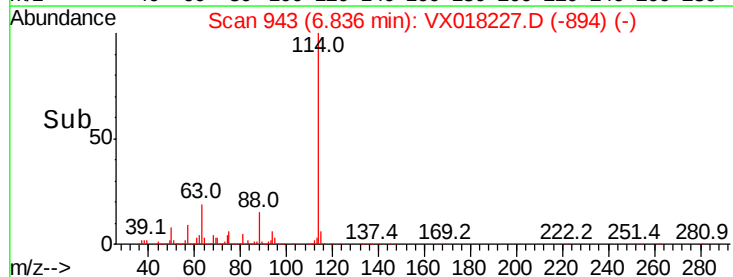
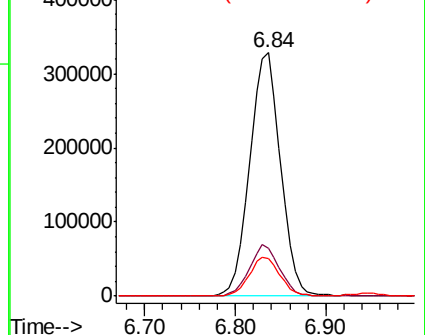
88 15.2 0.0 31.8

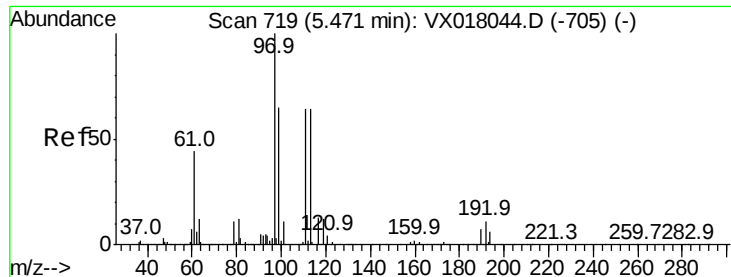


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

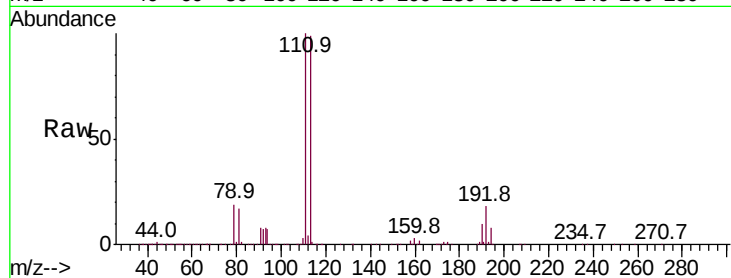
Tot Ion:113 Resp: 266995

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

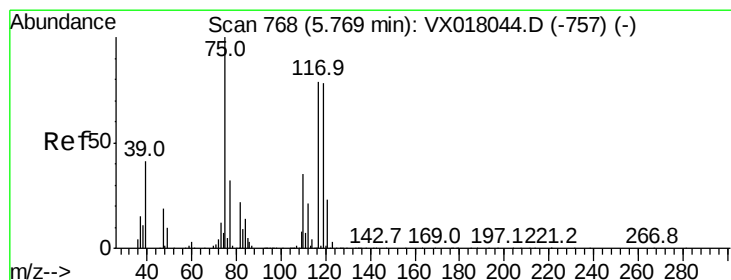
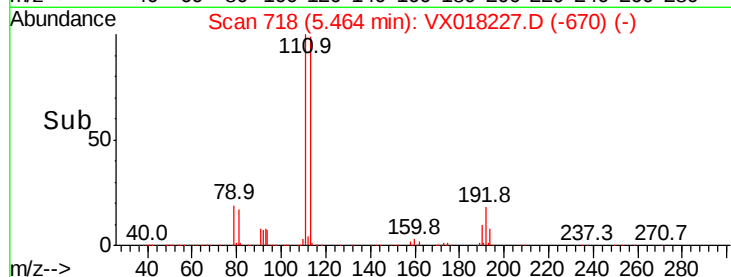
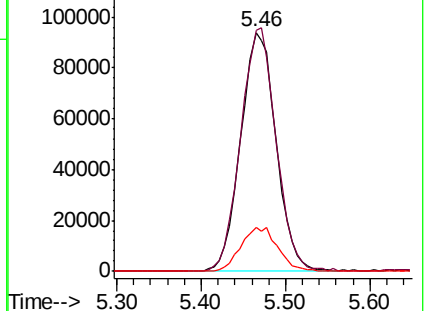
192 19.3 15.8 23.8



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: 5.011 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

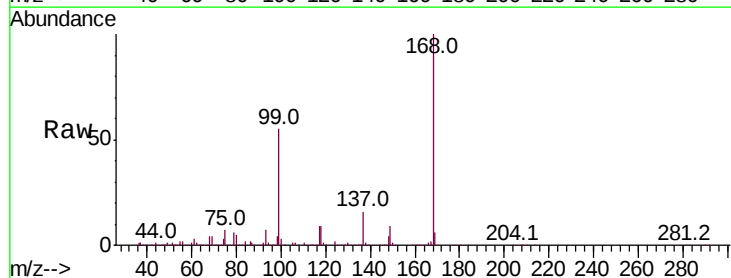
Tgt Ion: 75 Resp: 35667

Ion Ratio Lower Upper

75 100

110 12.4 18.0 54.0#

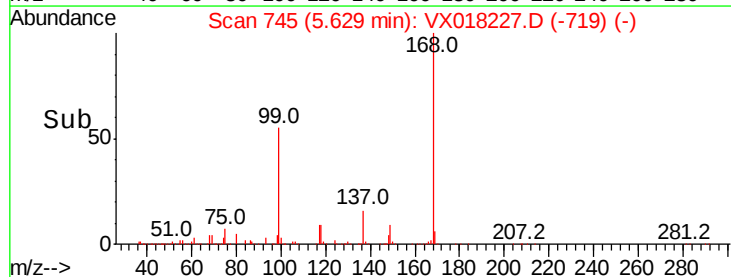
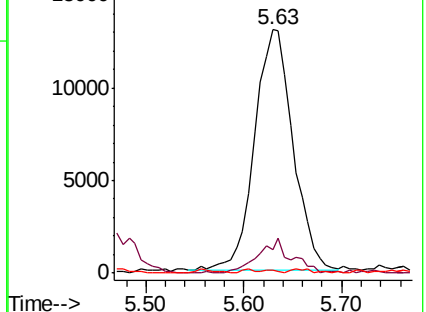
77 0.4 24.4 36.6#

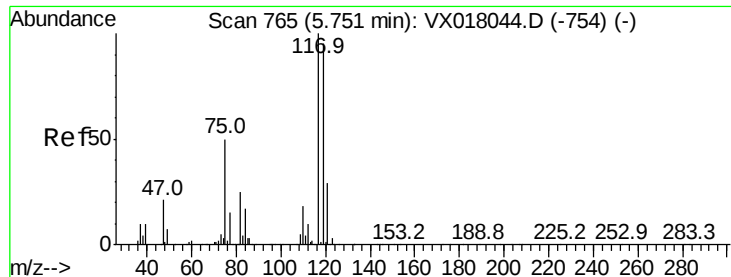


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

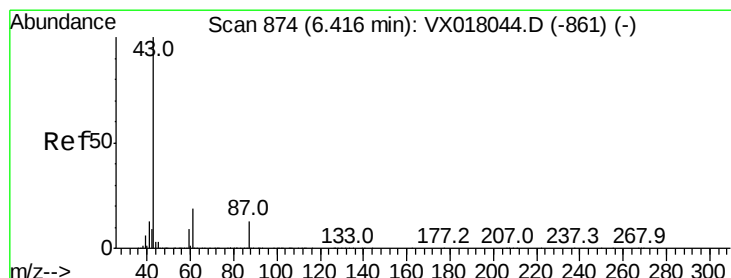
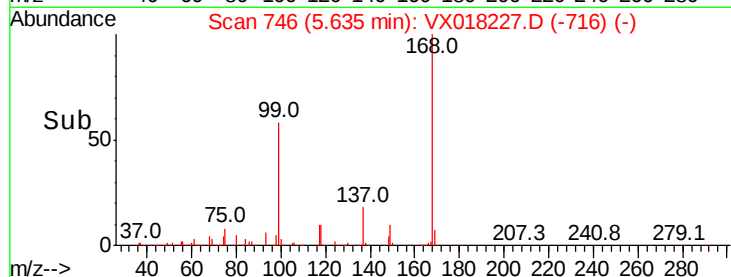
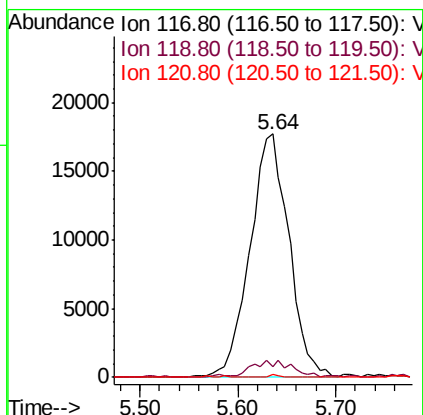
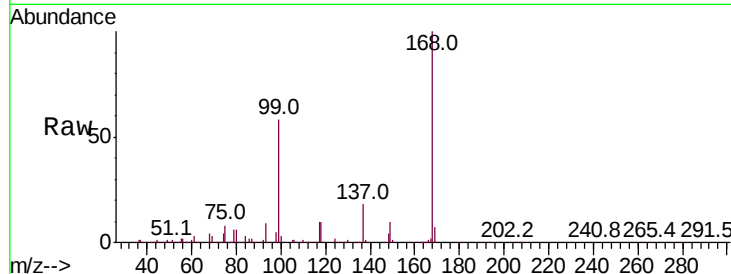




#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018227.D
Acq: 03 Sep 2020 12:21

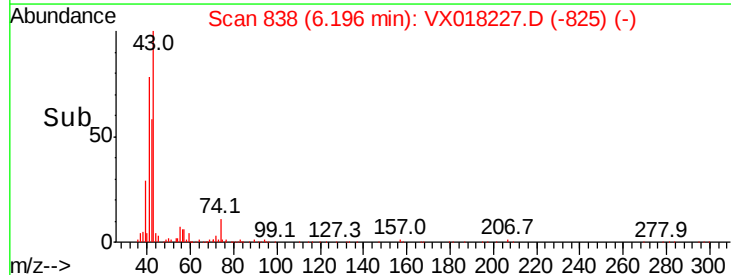
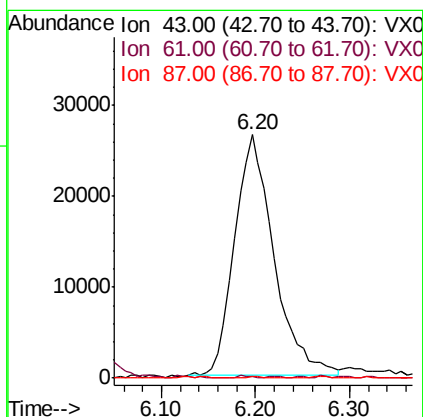
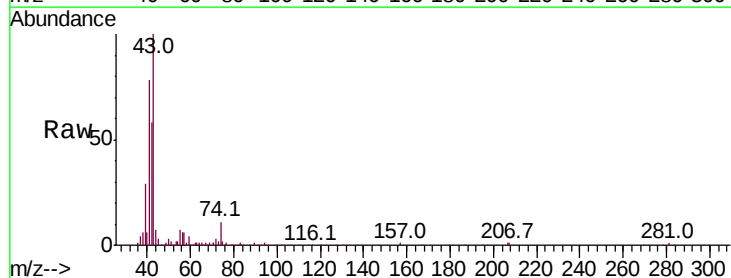
Instrument :
MSVOA_X
ClientSampleId :

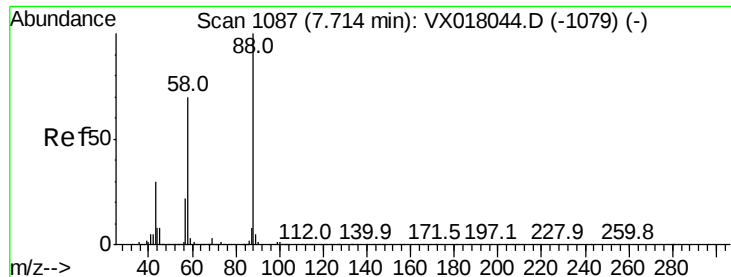
Tot Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.6#
121	1.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 5.839 ug/l
RT: 6.20 min Scan# 838
Delta R.T. -0.22 min
Lab File: VX018227.D
Acq: 03 Sep 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.3	15.7	23.5#
87	0.2	10.3	15.5#





#49

1,4-Dioxane

Concen: 0.847 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :
MSVOA_X
ClientSampleId :

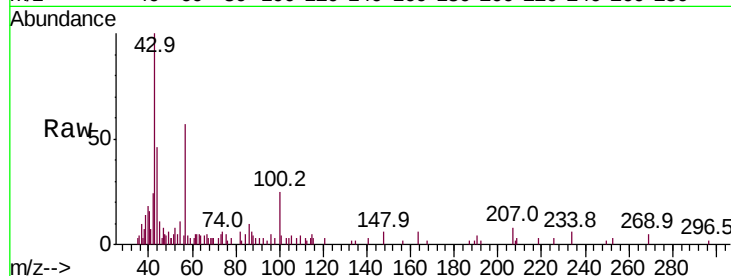
Tot Ion: 88 Resp: 102

Ion Ratio Lower Upper

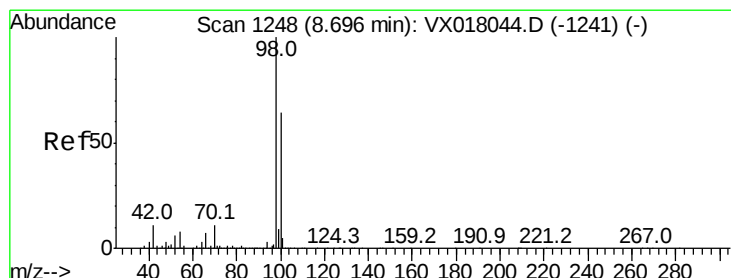
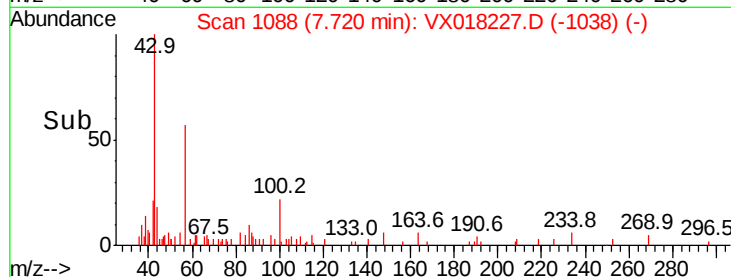
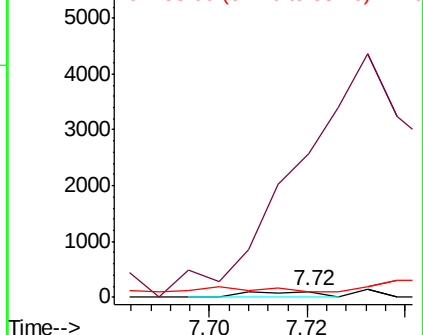
88 100

43 0.0 27.4 41.0#

58 154.9 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: 47.413 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018227.D

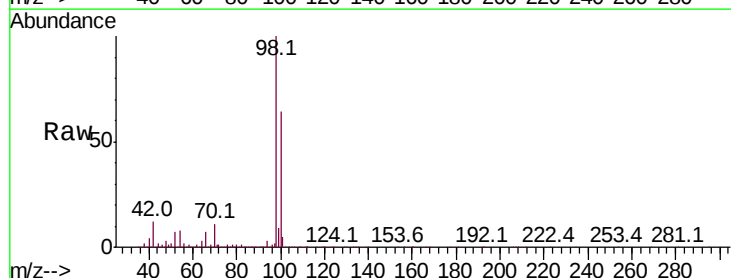
Acq: 03 Sep 2020 12:21

Tgt Ion: 98 Resp: 928054

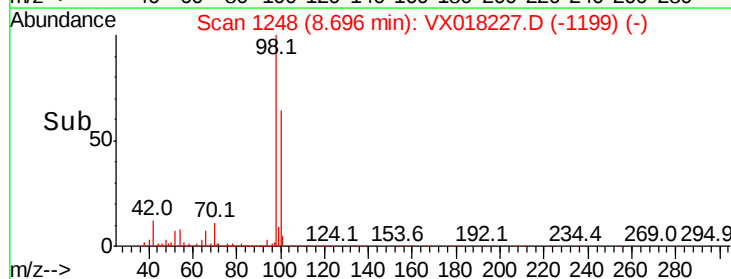
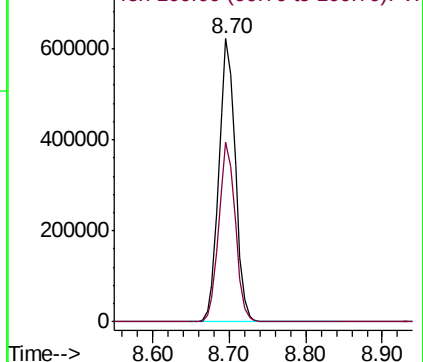
Ion Ratio Lower Upper

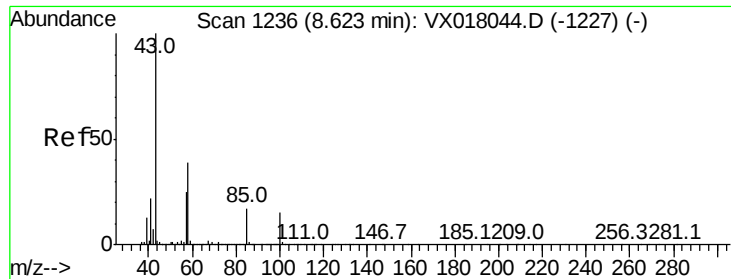
98 100

100 63.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

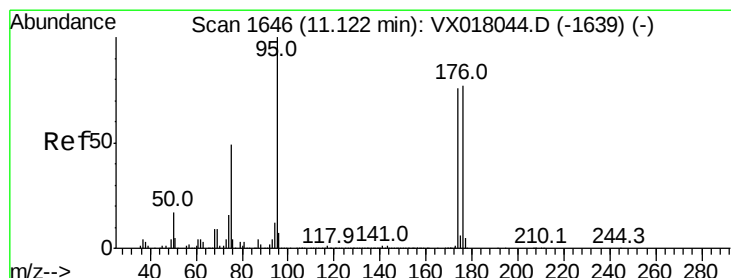
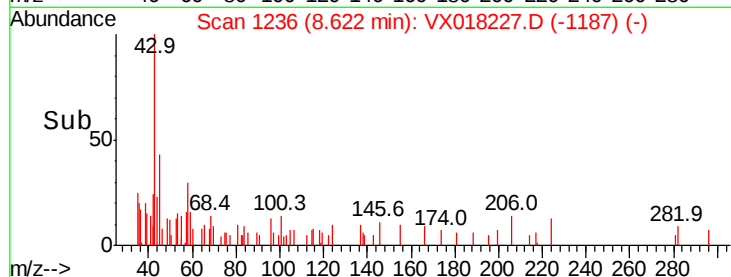
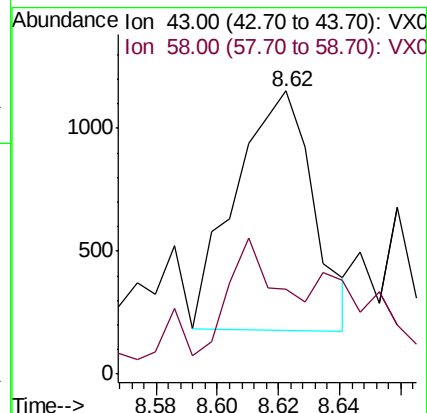
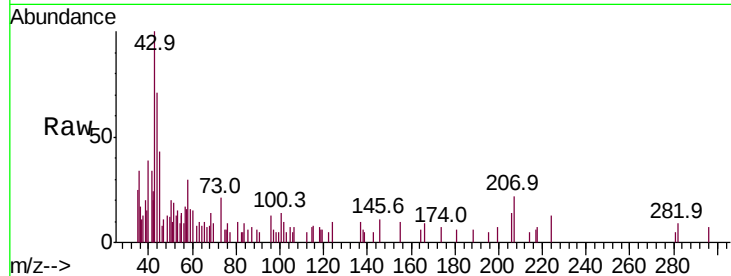
ClientSampleId :

Tot Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

58 34.4 30.7 46.1



#62

4-Bromofluorobenzene

Concen: 44.193 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

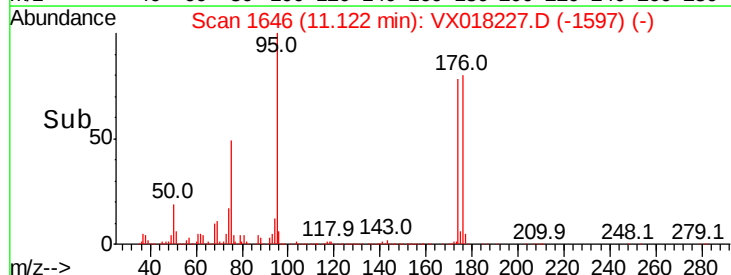
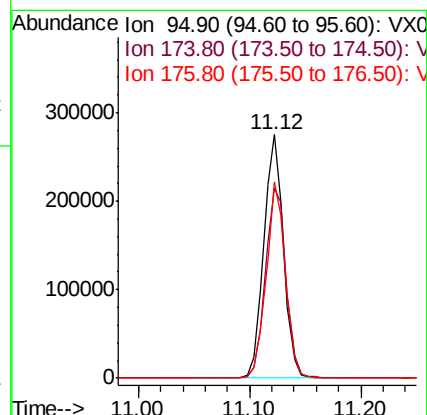
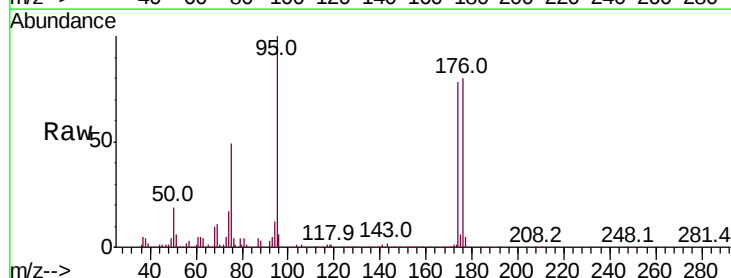
Tgt Ion: 95 Resp: 340336

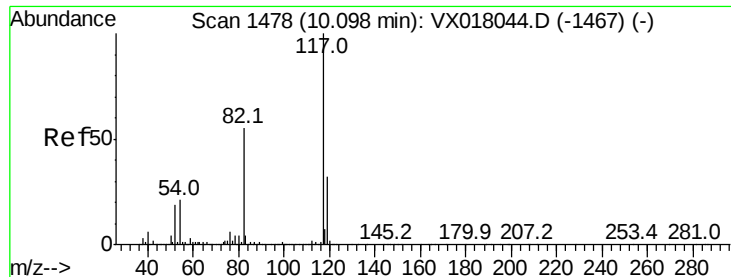
Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.2

176 78.8 0.0 155.8

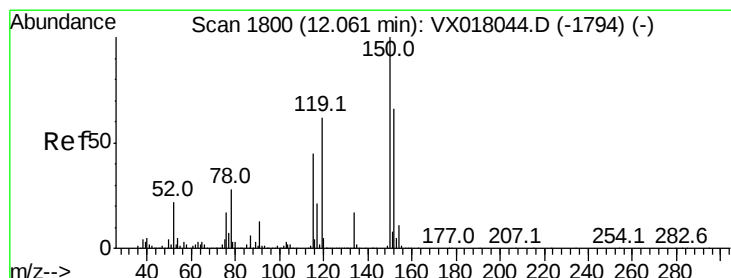
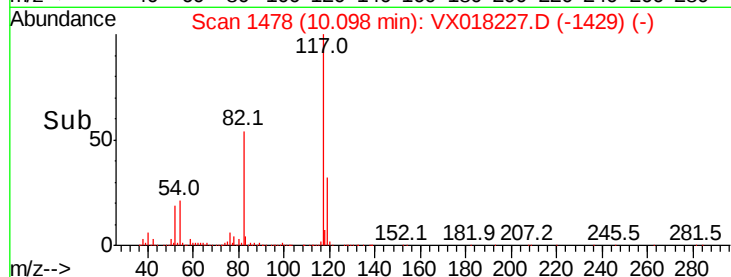
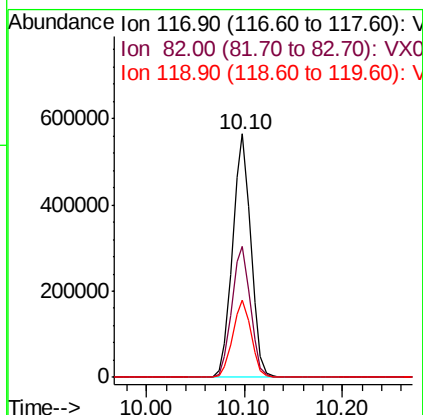
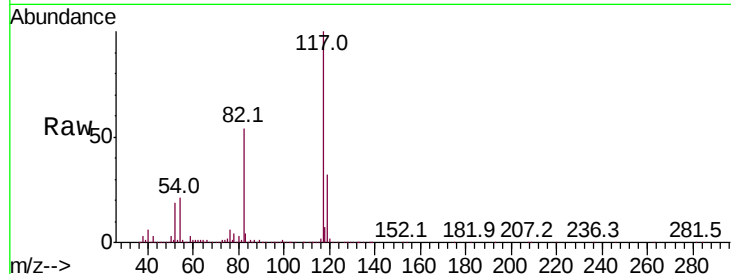




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018227.D
Acq: 03 Sep 2020 12:21

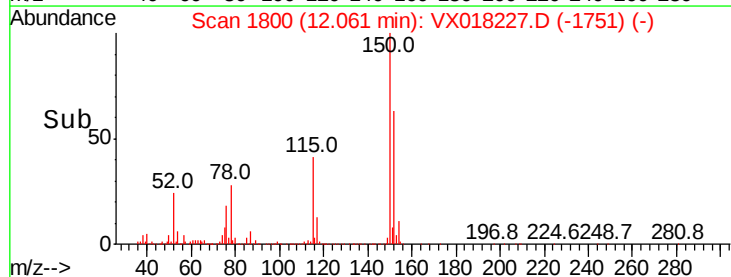
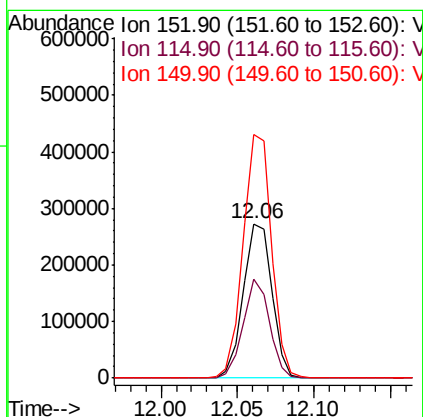
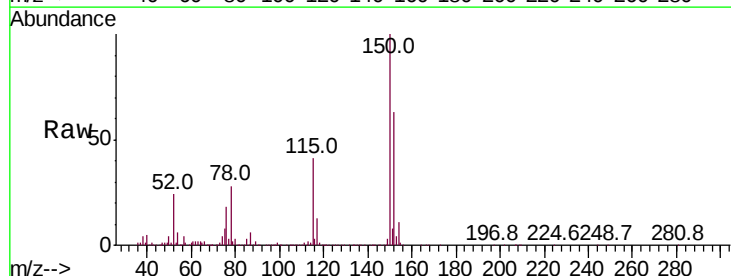
Instrument :
MSVOA_X
ClientSampleId :

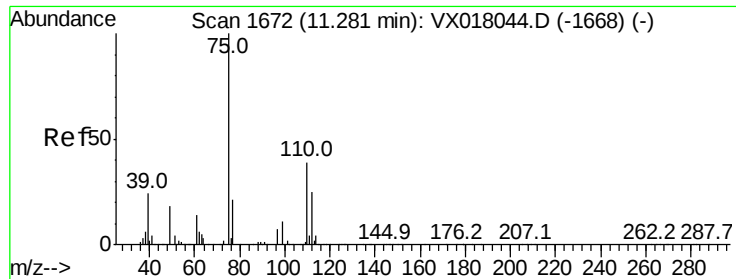
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	31.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018227.D
Acq: 03 Sep 2020 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.5	124.5
150	156.1	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 21.786 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

Instrument :

MSVOA_X

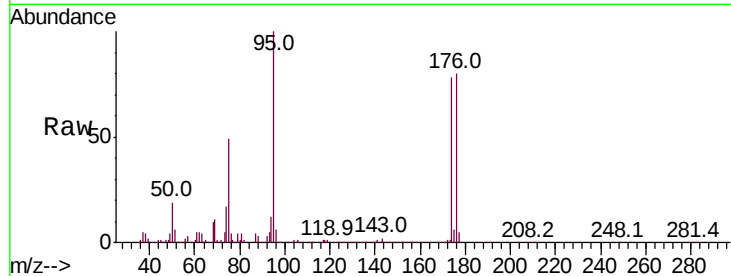
ClientSampleId :

Tot Ion: 75 Resp: 172398

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

150000

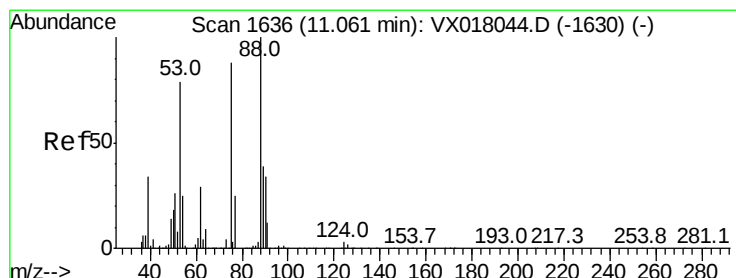
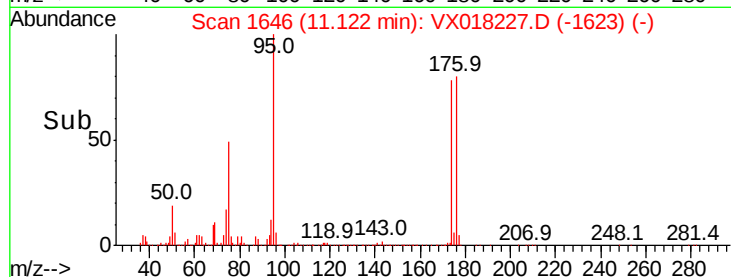
100000

50000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 58.841 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018227.D

Acq: 03 Sep 2020 12:21

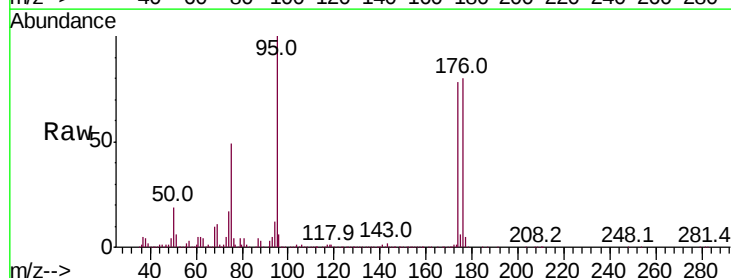
Tgt Ion: 75 Resp: 172398

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



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

11.12

150000

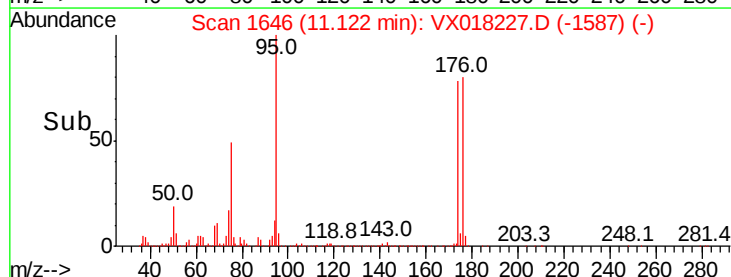
100000

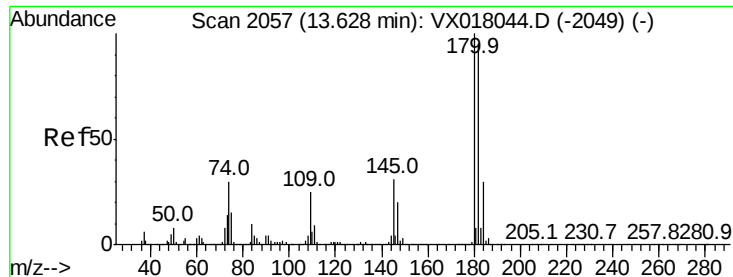
50000

0

Time-->

11.10 11.20

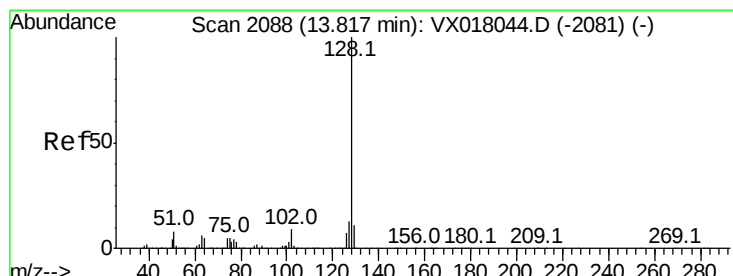
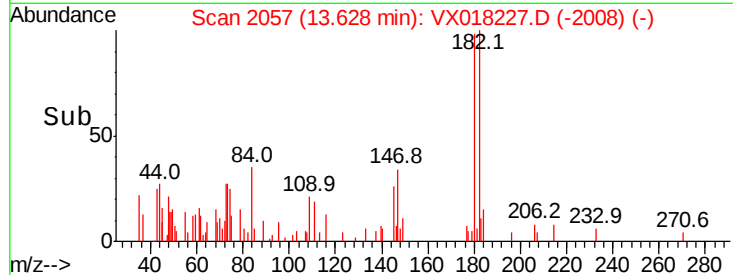
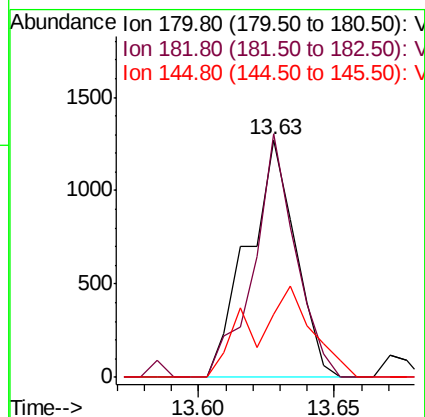
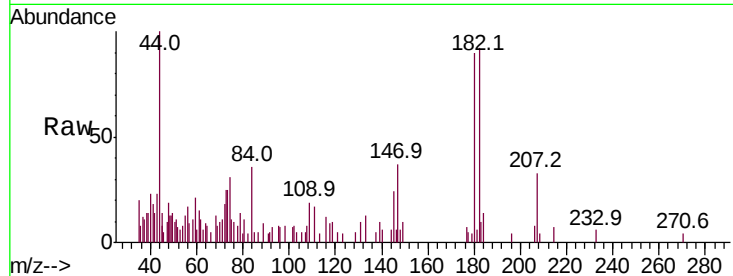




#93
 1,2,4-Trichlorobenzene
 Concen: 0.216 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018227.D
 Acq: 03 Sep 2020 12:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.3	47.5	142.6
145	48.3	15.7	47.1#



#95
 Naphthalene
 Concen: 0.241 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX018227.D
 Acq: 03 Sep 2020 12:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	16.7	8.7	13.1#

