

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018398.D
 Acq On : 14 Sep 2020 20:46
 Operator : JC/SP
 Sample : L3993-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:13:17 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	432567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	680833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	685321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	334438	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	308477	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.74%		
35) Dibromofluoromethane	5.47	113	244434	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.44%		
50) Toluene-d8	8.70	98	877644	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.64%		
62) 4-Bromofluorobenzene	11.12	95	325193	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.72%		

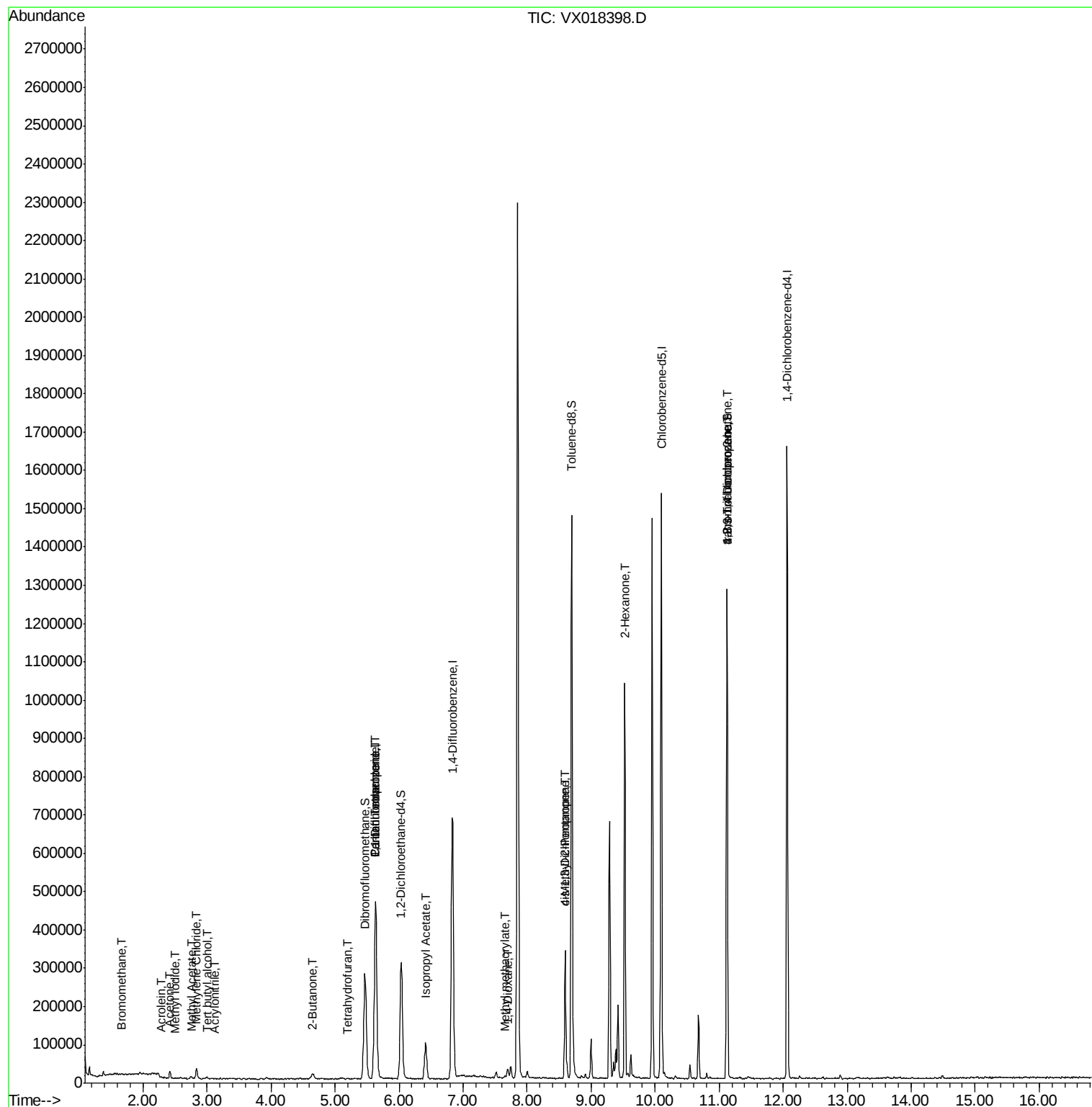
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	621	0.233	ug/l #	72
10) Methyl Iodide	2.49	142	202	5.328	ug/l #	50
11) Tert butyl alcohol	2.99	59	2044	1.751	ug/l #	78
13) Acrolein	2.28	56	452	0.934	ug/l #	81
15) Acrylonitrile	3.12	53	573	0.216	ug/l #	32
16) Acetone	2.42	43	19174	8.194	ug/l #	88
18) Methyl Acetate	2.75	43	8348	1.478	ug/l	98
20) Methylene Chloride	2.84	84	12561	1.492	ug/l	91
25) 2-Butanone	4.65	43	6132	1.595	ug/l #	77
29) Tetrahydrofuran	5.19	42	502	0.205	ug/l	91
36) 1,1-Dichloropropene	5.63	75	33705	5.367	ug/l #	53
38) Carbon Tetrachloride	5.64	117	44885	6.342	ug/l #	18
43) Isopropyl Acetate	6.42	43	128725	10.927	ug/l	99
48) Methyl methacrylate	7.65	41	6260	1.067	ug/l #	17
49) 1,4-Dioxane	7.70	88	116	1.092	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	122031	16.770	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	49451	6.032	ug/l #	59
59) 2-Hexanone	9.52	43	119351	21.570	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	169705	22.811	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	169705	61.608	ug/l #	12

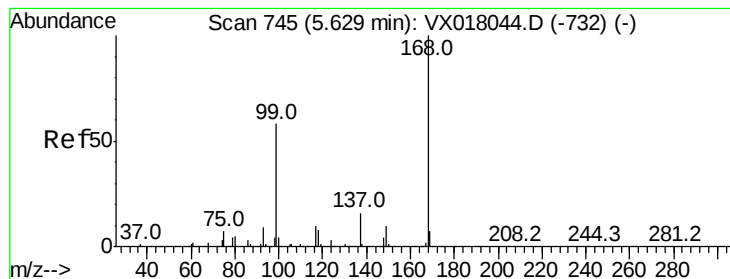
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018398.D

Acq: 14 Sep 2020 20:46

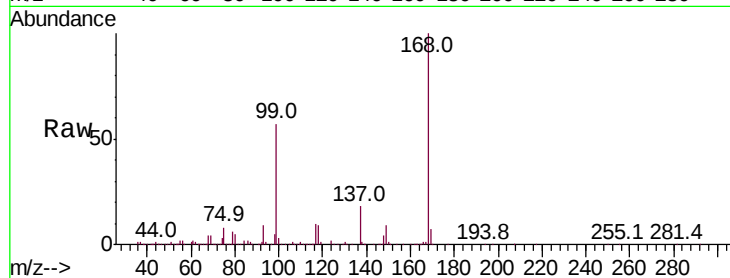
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 432567

Ion Ratio Lower Upper

168 100

99 57.1 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

150000

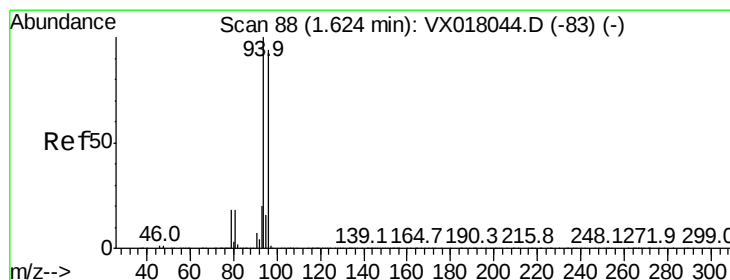
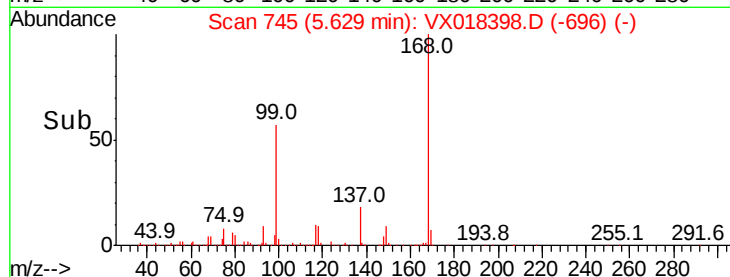
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.65 min Scan# 93

Delta R.T. 0.03 min

Lab File: VX018398.D

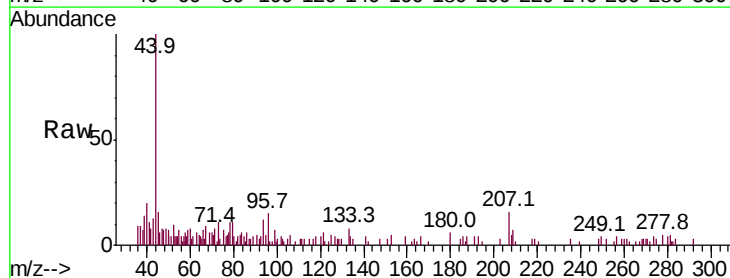
Acq: 14 Sep 2020 20:46

Tgt Ion: 94 Resp: 621

Ion Ratio Lower Upper

94 100

96 120.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

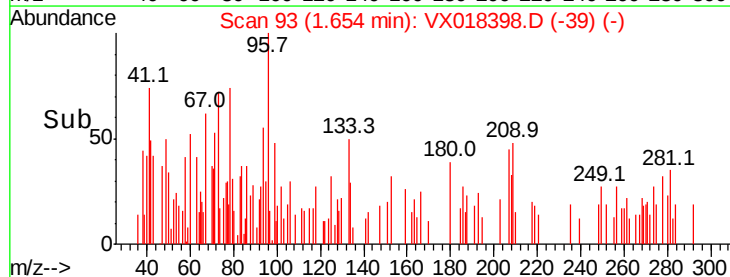
400

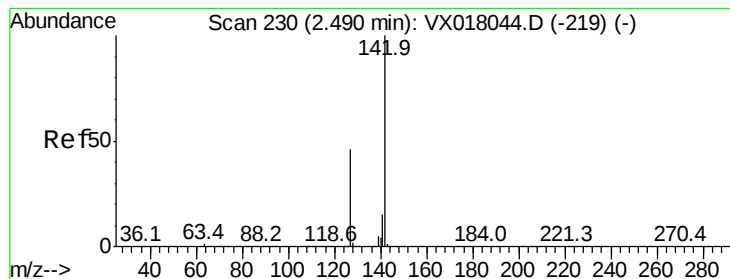
200

0

Time-->

1.60 1.65





#10

Methvl Iodide

Concen: 5.328 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Instrument :
MSVOA_X
ClientSampled :

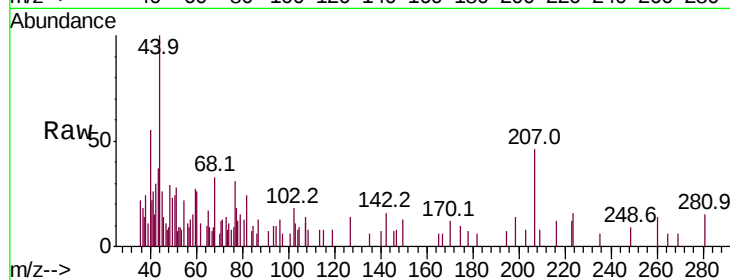
Tot Ion:142 Resp: 202

Ion Ratio Lower Upper

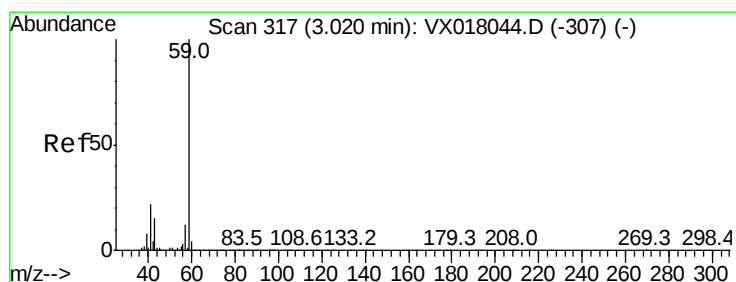
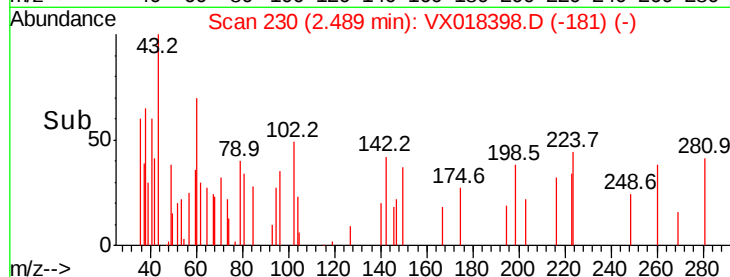
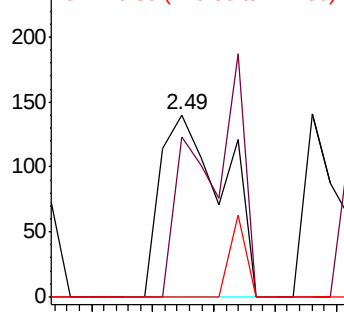
142 100

127 88.1 37.0 55.6#

141 11.4 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: 1.751 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX018398.D

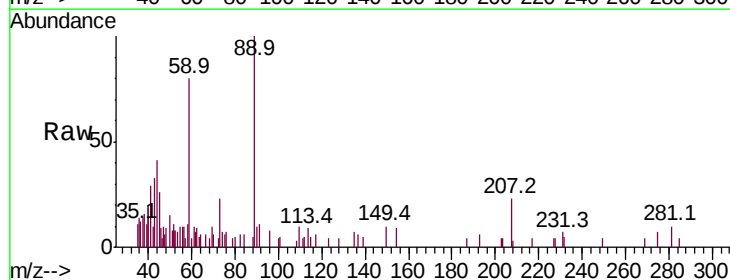
Acq: 14 Sep 2020 20:46

Tgt Ion: 59 Resp: 2044

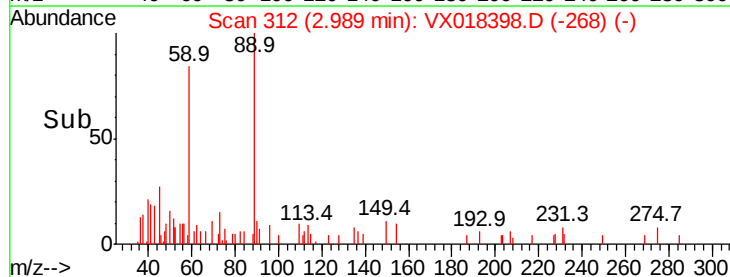
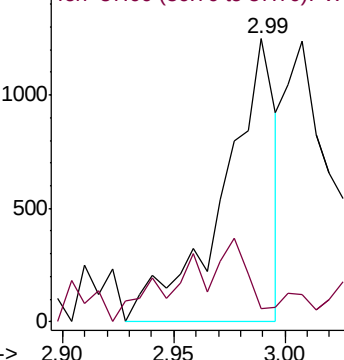
Ion Ratio Lower Upper

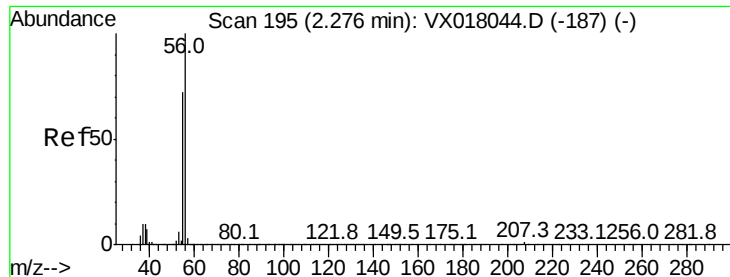
59 100

57 2.6 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: 0.934 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

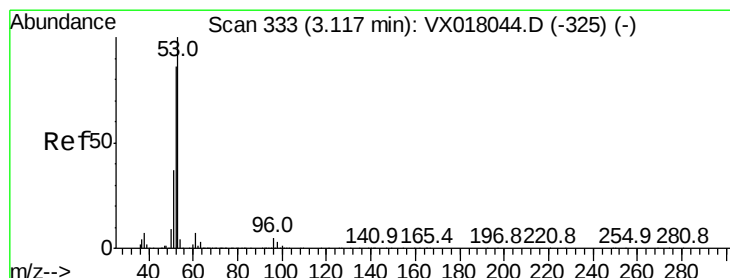
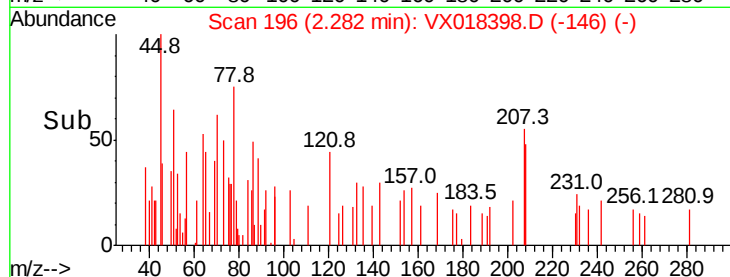
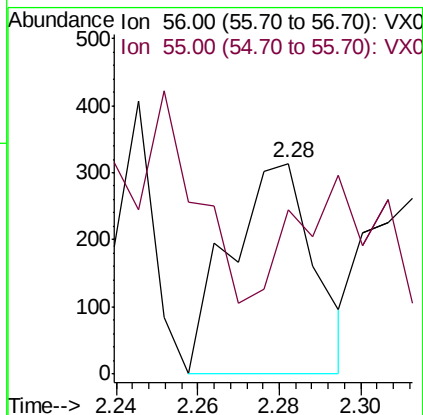
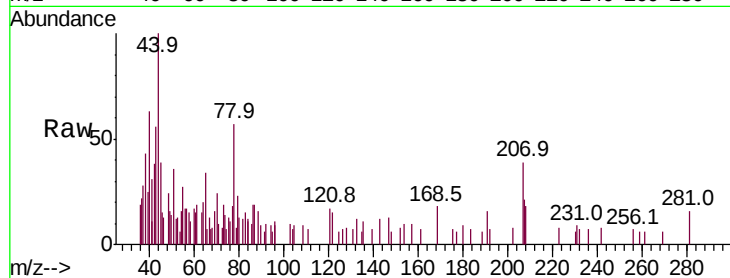
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 452

Ion Ratio Lower Upper

56 100

55 55.8 57.0 85.6#



#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

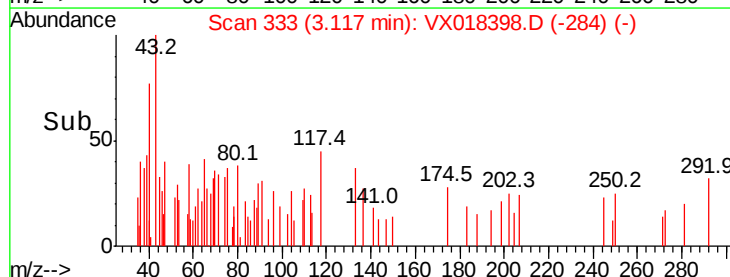
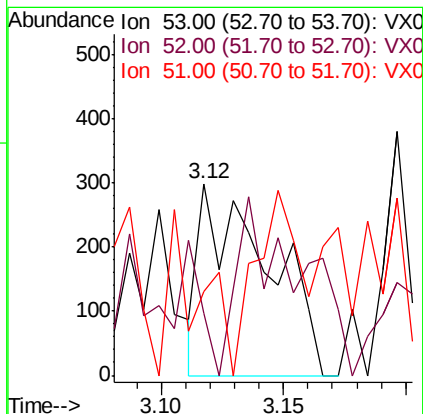
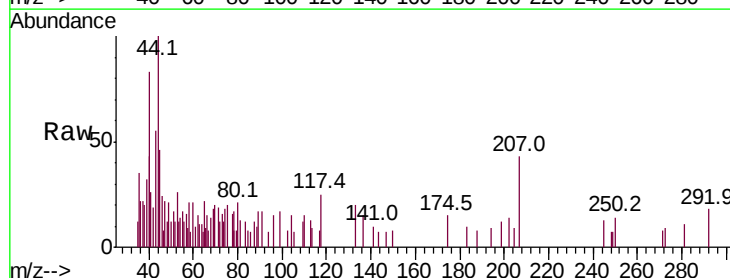
Tgt Ion: 53 Resp: 573

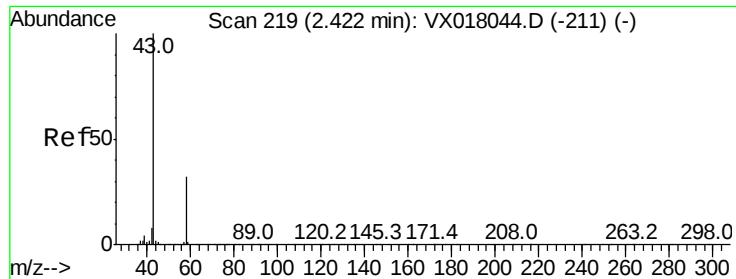
Ion Ratio Lower Upper

53 100

52 19.5 66.9 100.3#

51 0.0 28.7 43.1#

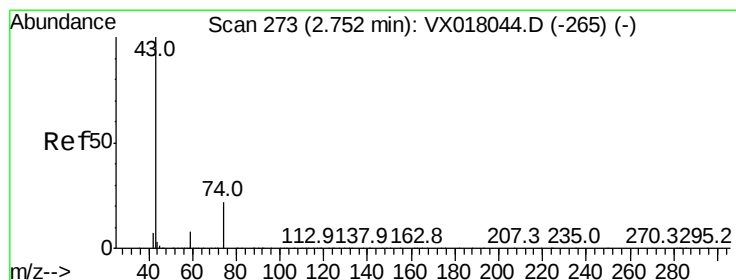
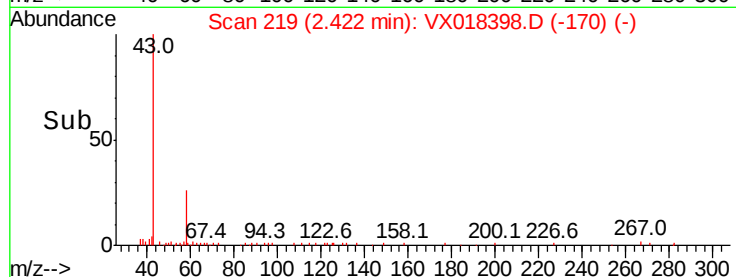
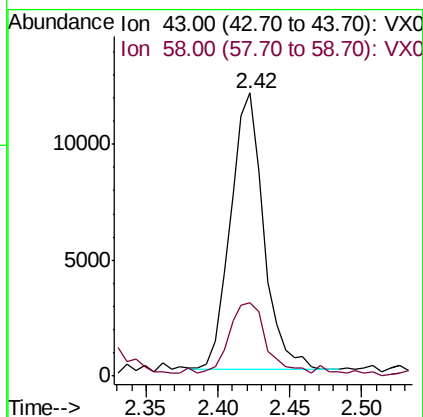
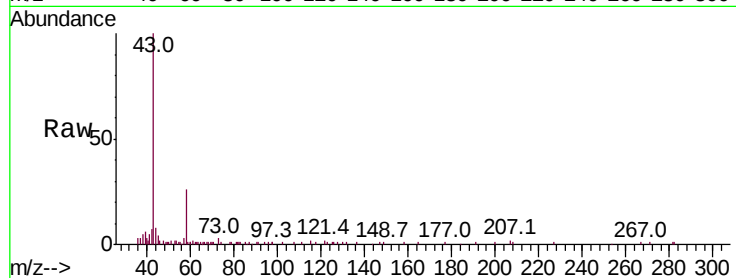




#16
Acetone
Concen: 8.194 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

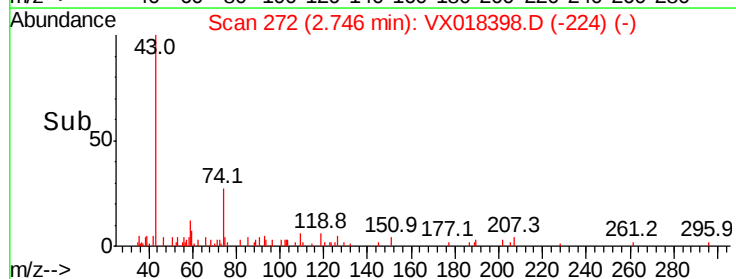
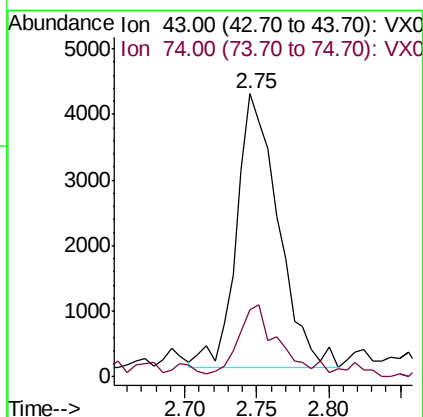
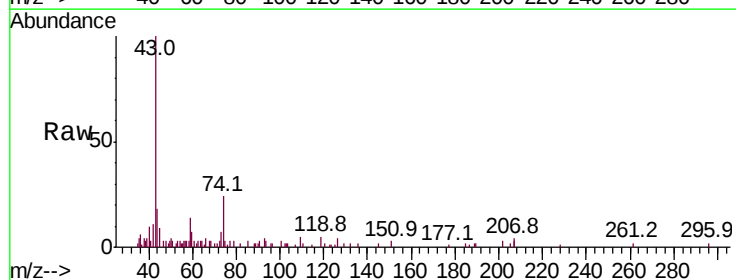
Instrument :
MSVOA_X
ClientSampled :

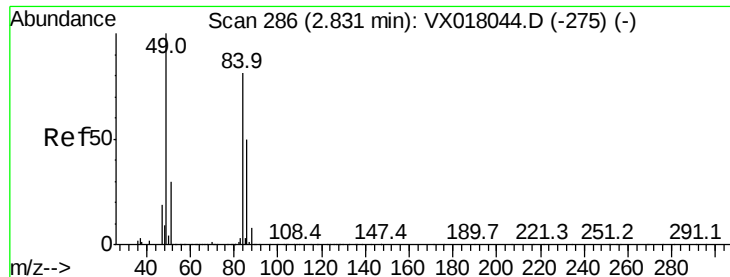
Tot Ion: 43 Resp: 19174
Ion Ratio Lower Upper
43 100
58 25.1 25.5 38.3#



#18
Methyl Acetate
Concen: 1.478 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

Tgt Ion: 43 Resp: 8348
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.4

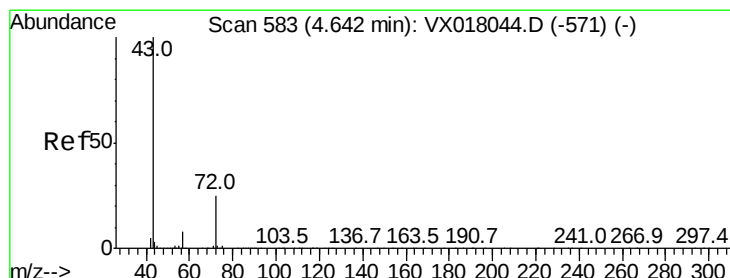
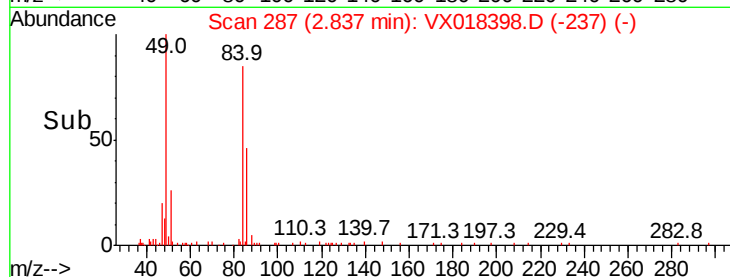
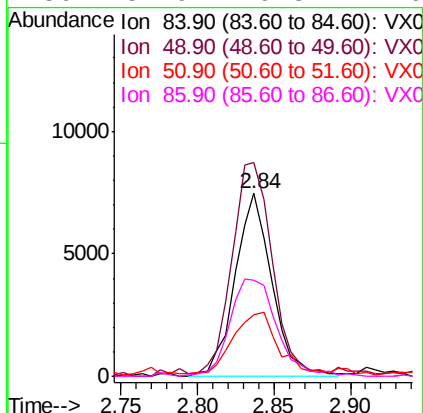
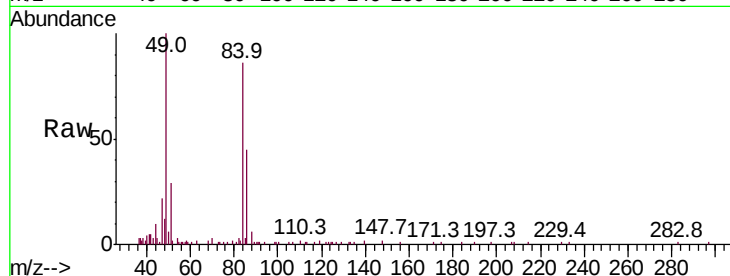




#20
Methvlene Chloride
Concen: 1.492 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

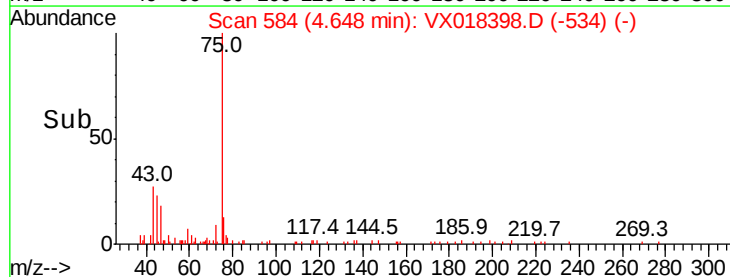
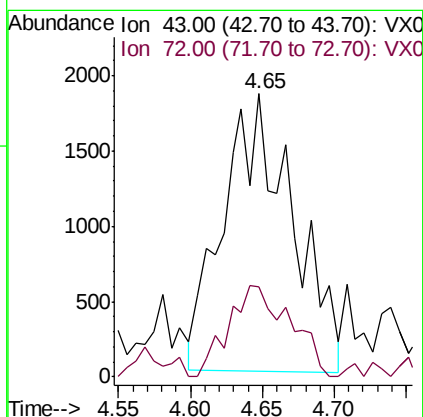
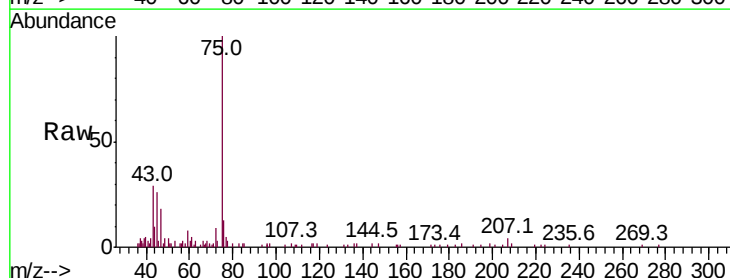
Instrument :
MSVOA_X
ClientSampleId :

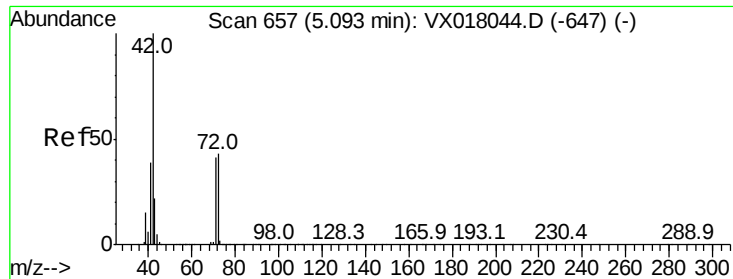
Tot Ion:	84	Resp:	12561
Ion	Ratio	Lower	Upper
84	100		
49	115.3	98.6	148.0
51	32.1	29.6	44.4
86	51.9	49.8	74.6



#25
2-Butanone
Concen: 1.595 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

Tgt Ion:	43	Resp:	6132
Ion	Ratio	Lower	Upper
43	100		
72	36.4	19.8	29.6#

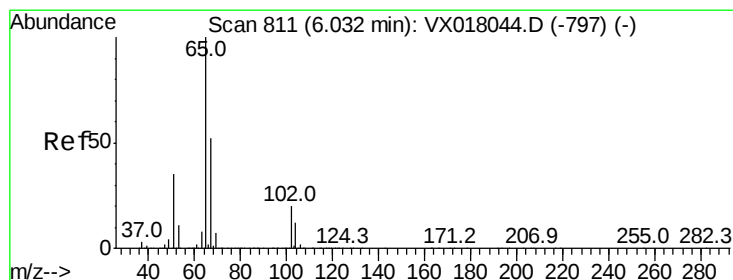
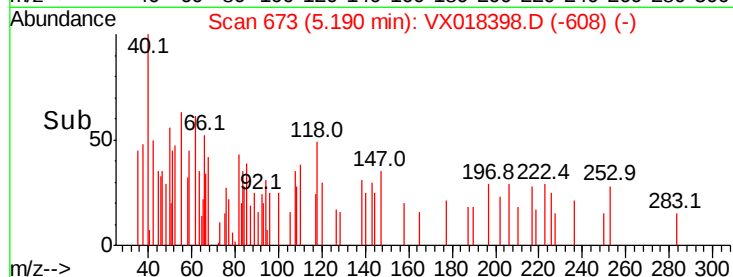
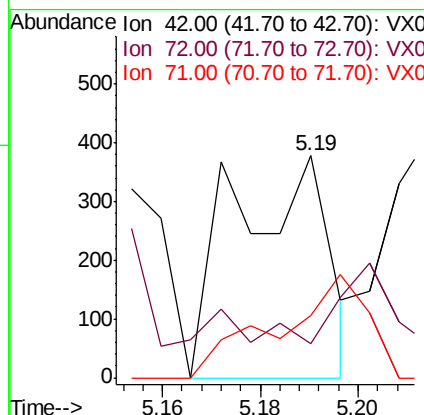
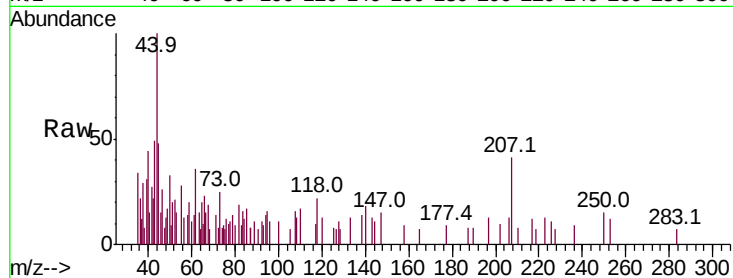




#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.10 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

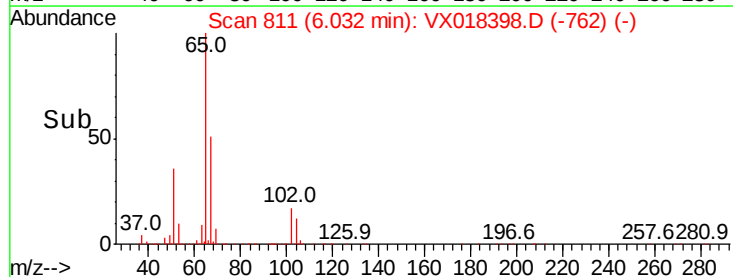
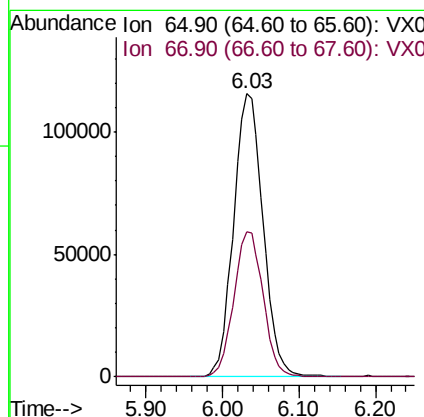
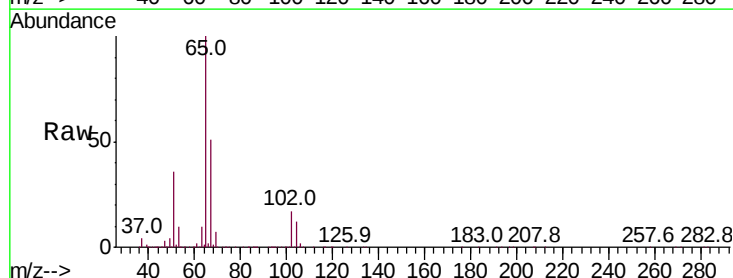
Instrument :
MSVOA_X
ClientSampled :

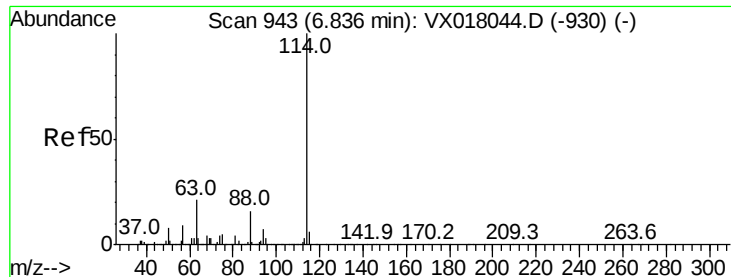
Tot Ion: 42 Resp: 502
Ion Ratio Lower Upper
42 100
72 35.9 34.2 51.4
71 44.2 32.1 48.1



#33
1,2-Dichloroethane-d4
Concen: 51.369 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

Tgt Ion: 65 Resp: 308477
Ion Ratio Lower Upper
65 100
67 51.0 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: VX018398.D

Acq: 14 Sep 2020 20:46

Instrument :

MSVOA_X

ClientSampleId :

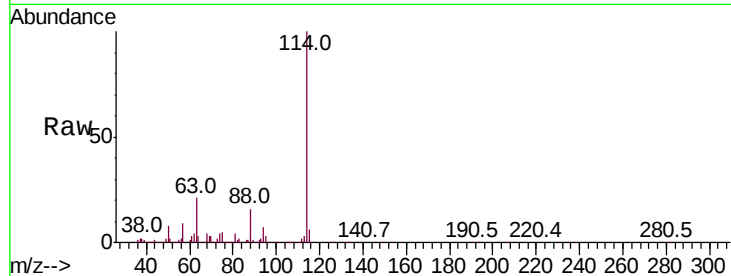
Tot Ion:114 Resp: 680833

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

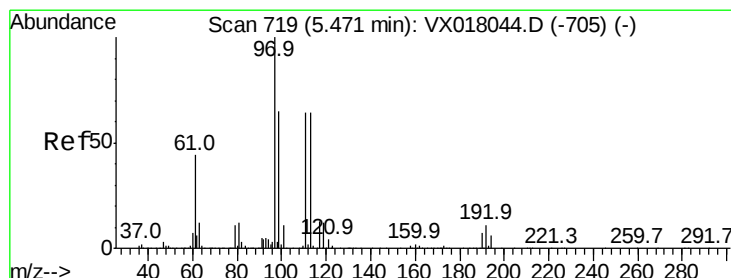
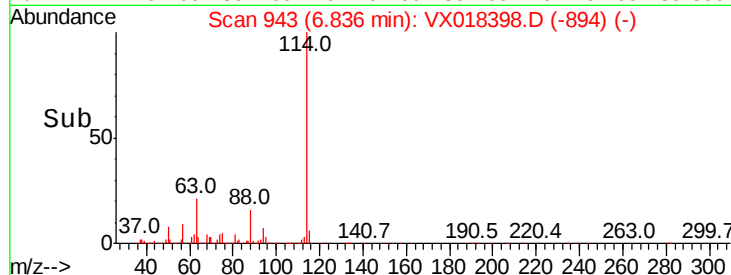
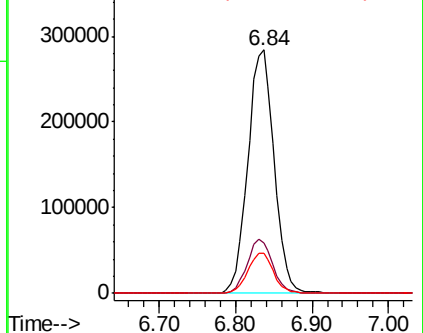
88 16.3 0.0 31.8



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: 52.716 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

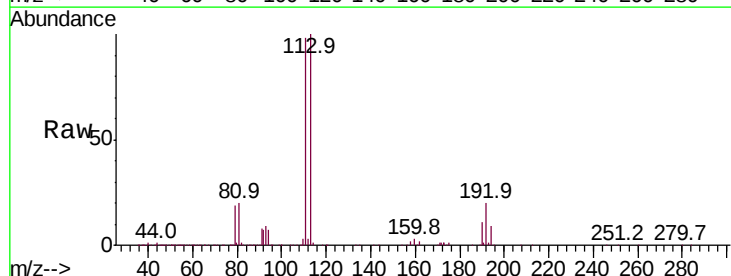
Tgt Ion:113 Resp: 244434

Ion Ratio Lower Upper

113 100

111 99.4 81.6 122.4

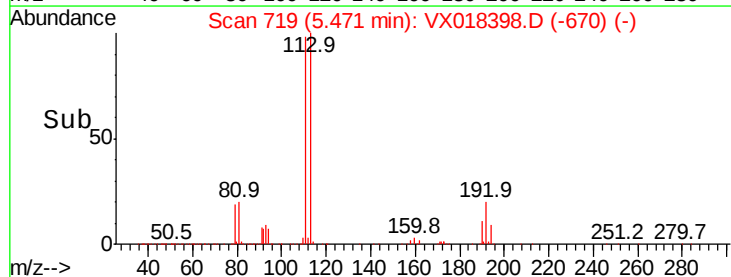
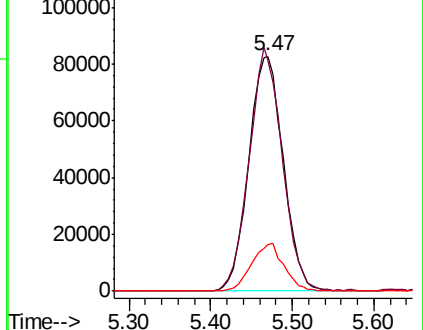
192 19.1 15.8 23.8

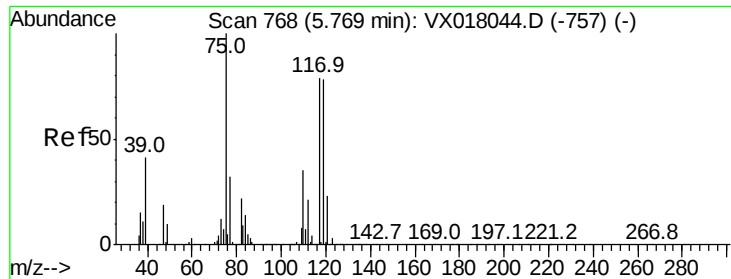


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

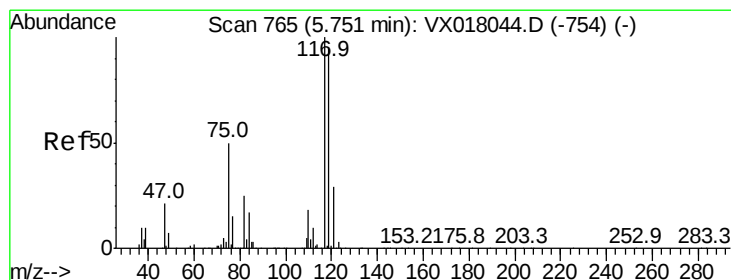
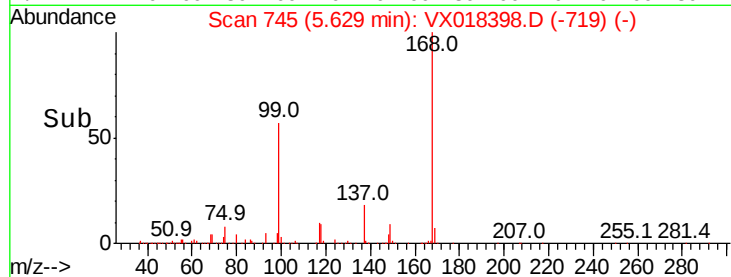
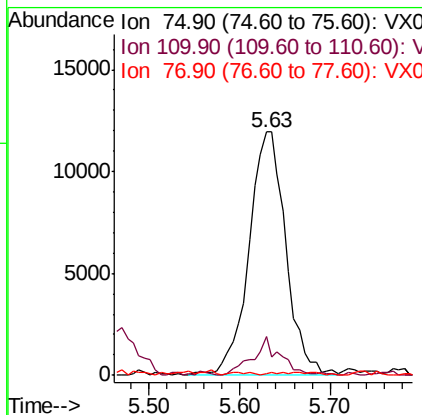
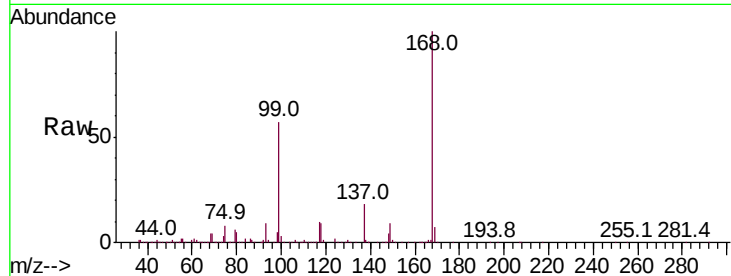




#36
 1,1-Dichloropropene
 Concen: 5.367 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018398.D
 Acq: 14 Sep 2020 20:46

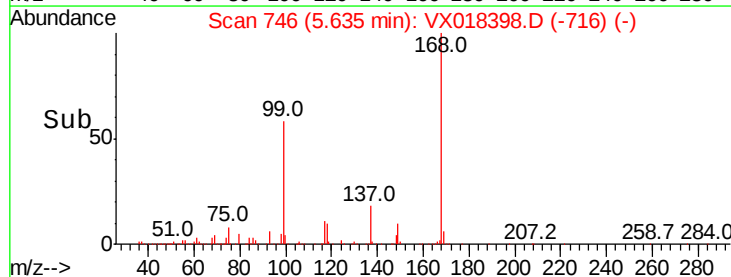
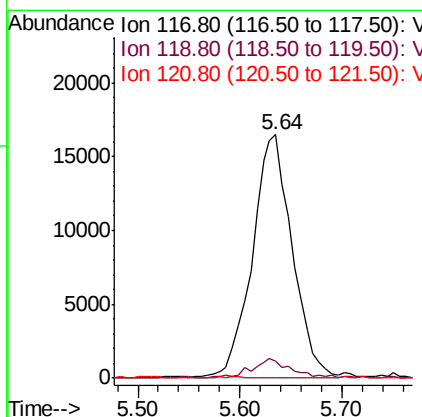
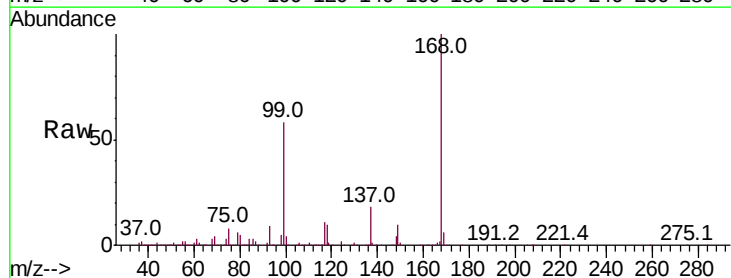
Instrument :
 MSVOA_X
 ClientSampleID :

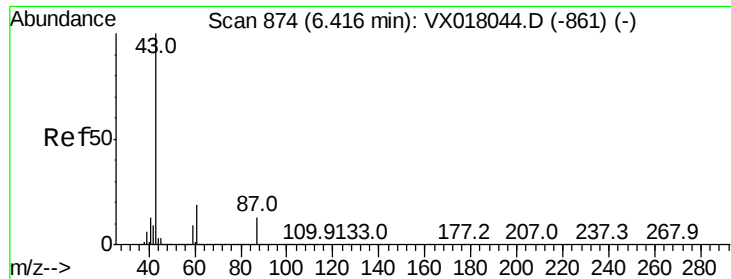
Tot Ion: 75 Resp: 33705
 Ion Ratio Lower Upper
 75 100
 110 11.7 18.0 54.0#
 77 0.6 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.342 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018398.D
 Acq: 14 Sep 2020 20:46

Tgt Ion: 117 Resp: 44885
 Ion Ratio Lower Upper
 117 100
 119 7.2 75.8 113.6#
 121 0.4 23.4 35.0#



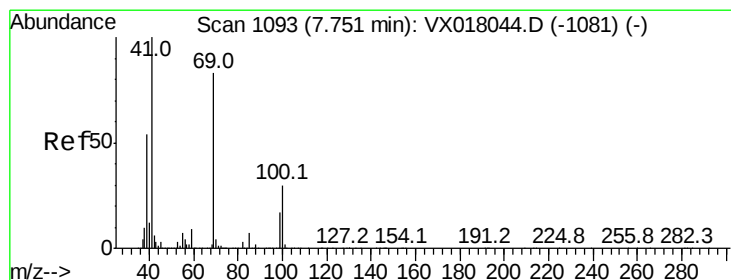
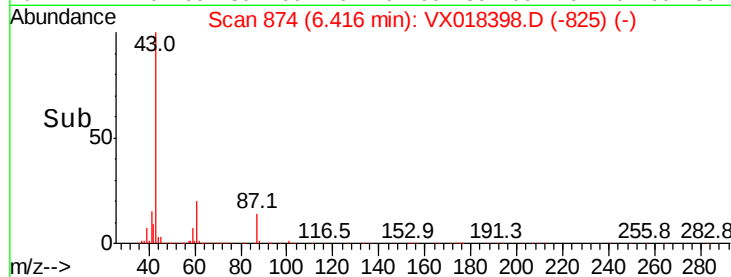
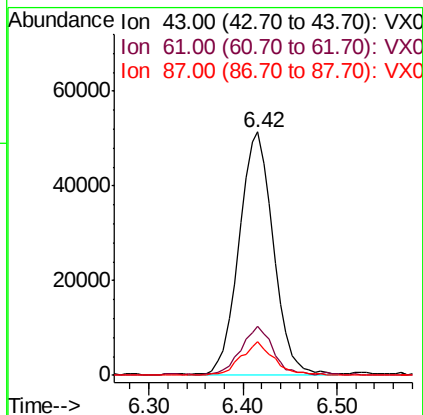
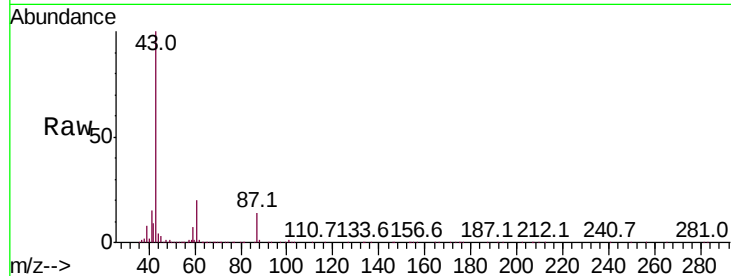


#43

Isopropyl Acetate
 Concen: 10.927 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018398.D
 Acq: 14 Sep 2020 20:46

Instrument :
 MSVOA_X
 ClientSampleId :

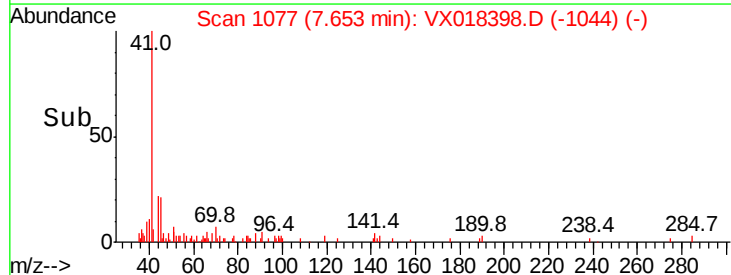
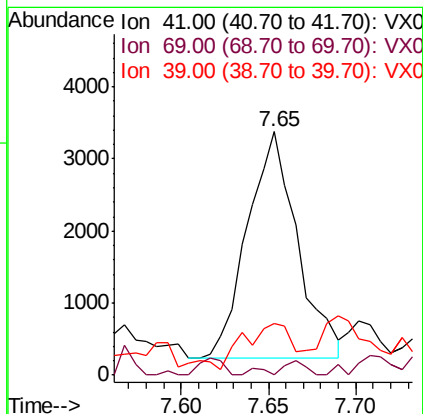
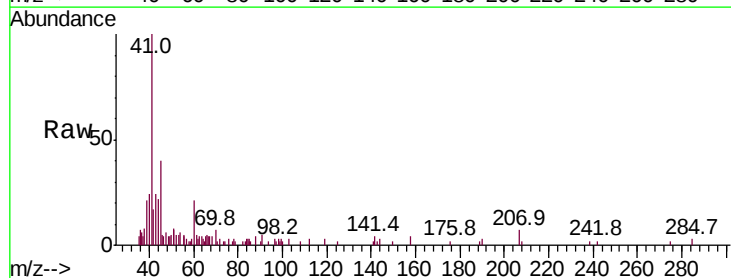
Tot Ion: 43 Resp: 128725
 Ion Ratio Lower Upper
 43 100
 61 19.0 15.7 23.5
 87 13.3 10.3 15.5

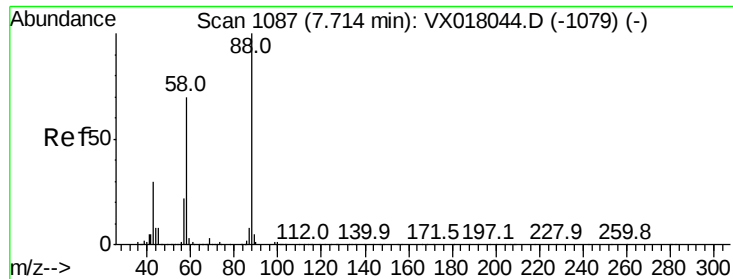


#48

Methyl methacrylate
 Concen: 1.067 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX018398.D
 Acq: 14 Sep 2020 20:46

Tgt Ion: 41 Resp: 6260
 Ion Ratio Lower Upper
 41 100
 69 3.7 65.5 98.3#
 39 0.0 44.5 66.7#





#49

1,4-Dioxane

Concen: 1.092 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

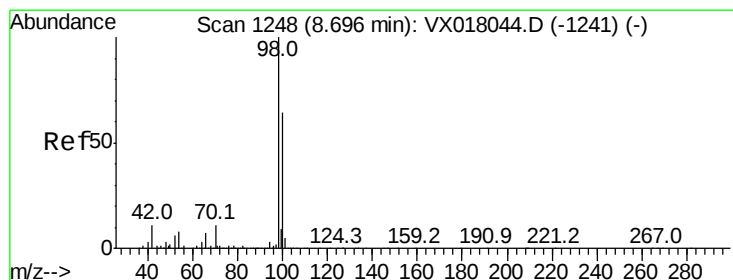
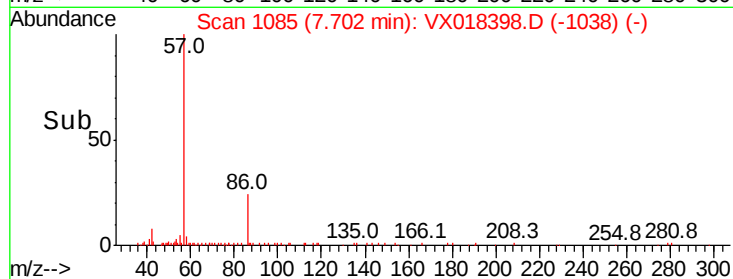
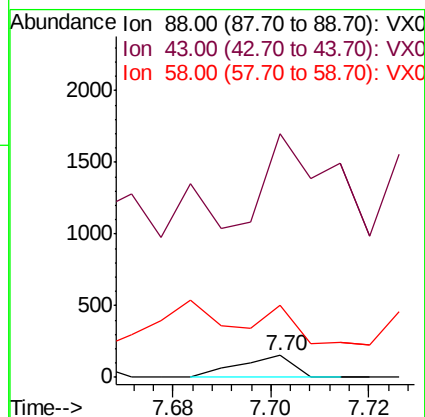
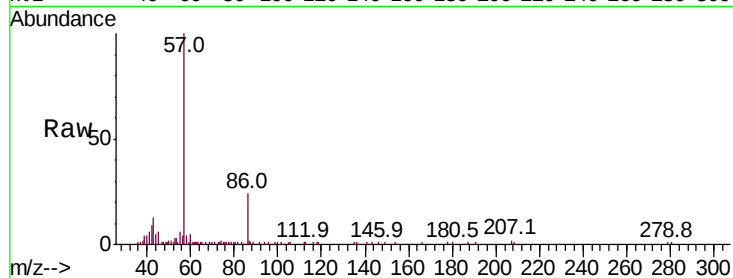
Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 116

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	826.7	56.4	84.6#



#50

Toluene-d8

Concen: 50.819 ug/l

RT: 8.70 min Scan# 1248

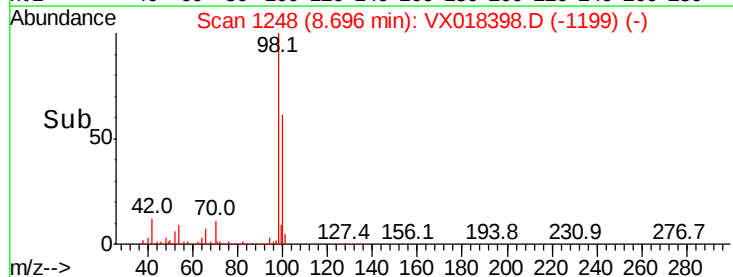
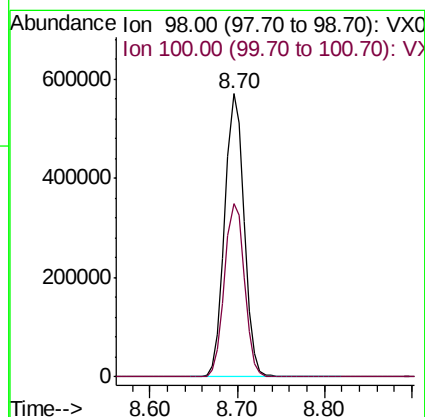
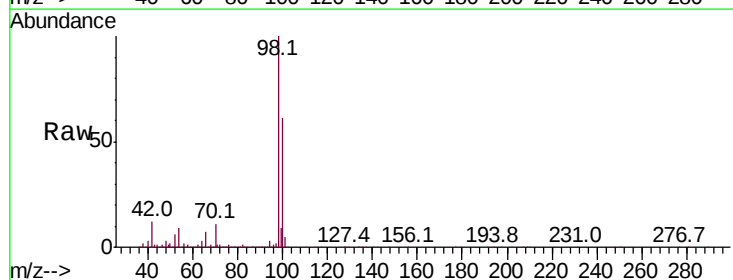
Delta R.T. -0.00 min

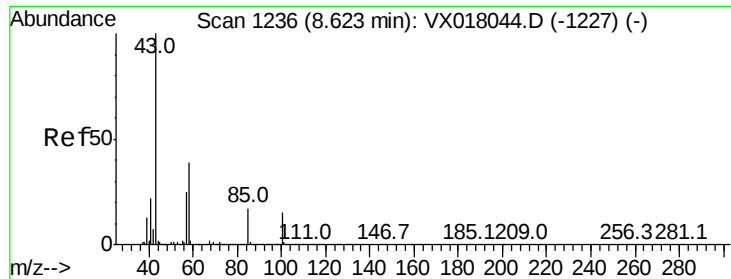
Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Tgt Ion: 98 Resp: 877644

Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 16.770 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Instrument :

MSVOA_X

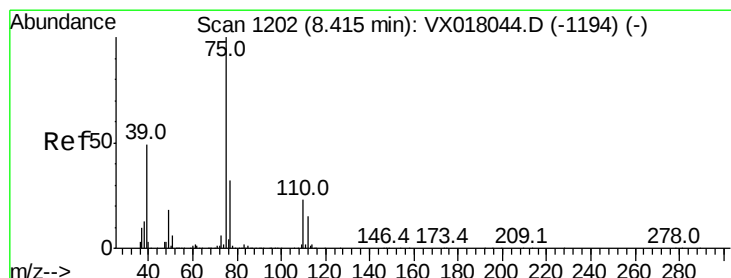
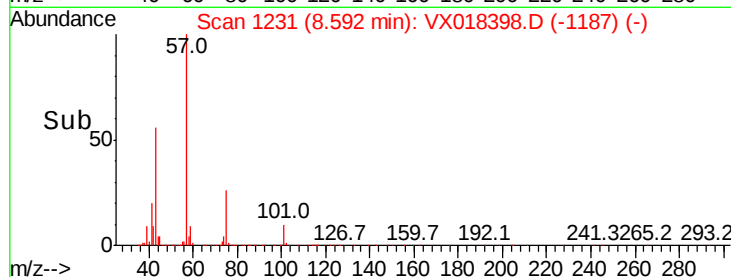
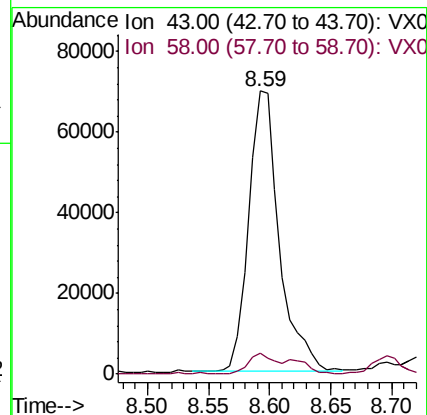
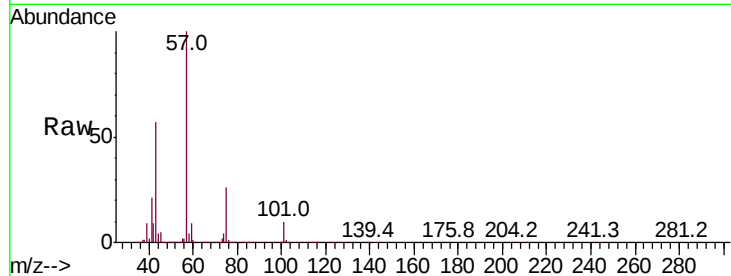
ClientSampleId :

Tot Ion: 43 Resp: 122031

Ion Ratio Lower Upper

43 100

58 6.7 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.032 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

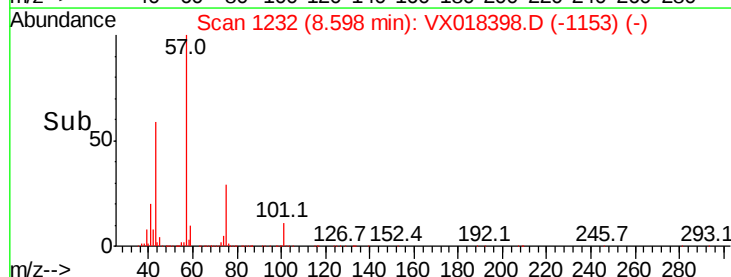
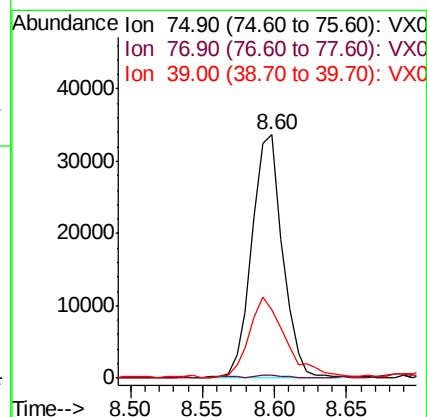
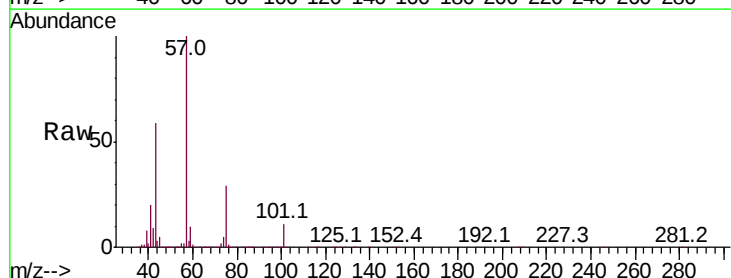
Tgt Ion: 75 Resp: 49451

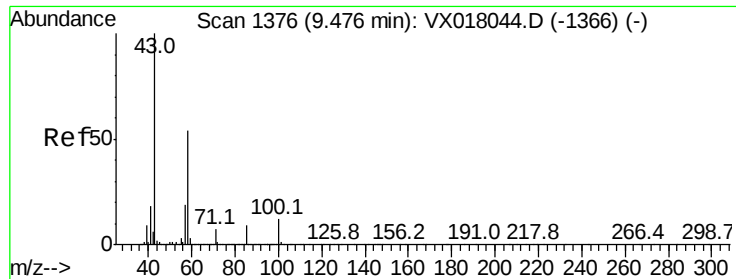
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 27.1 38.8 58.2#





#59

2-Hexanone

Concen: 21.570 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

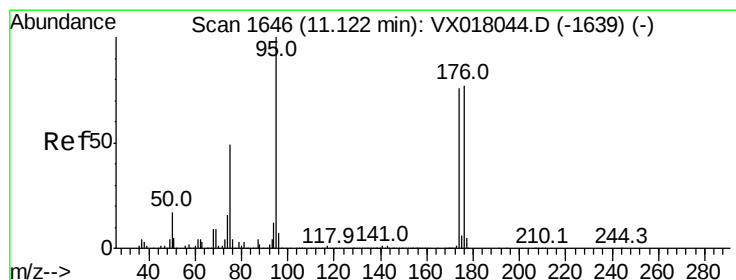
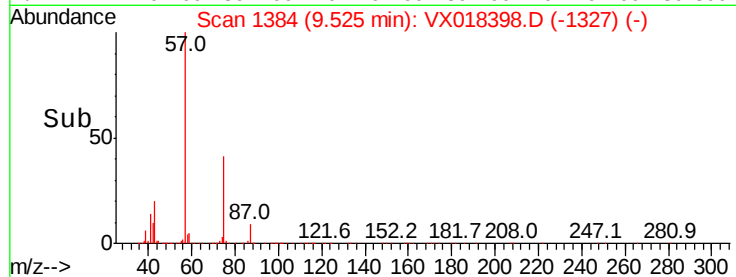
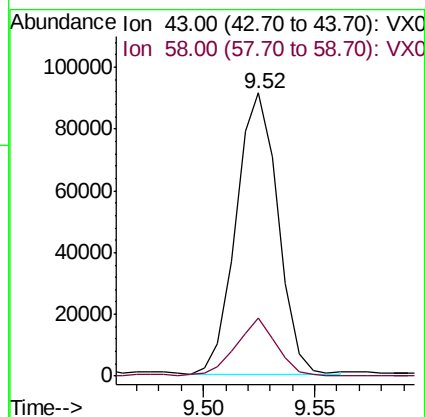
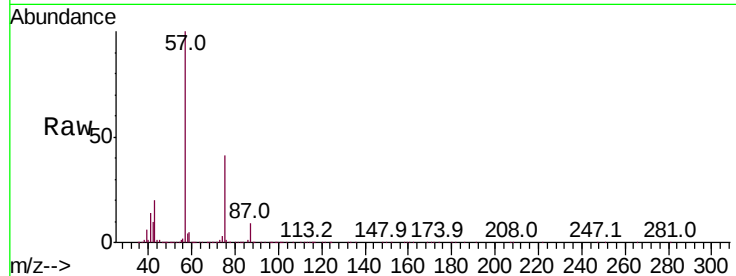
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 119351

Ion Ratio Lower Upper

43 100

58 19.6 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 47.860 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

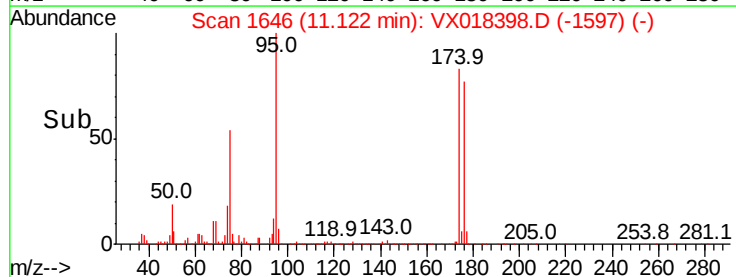
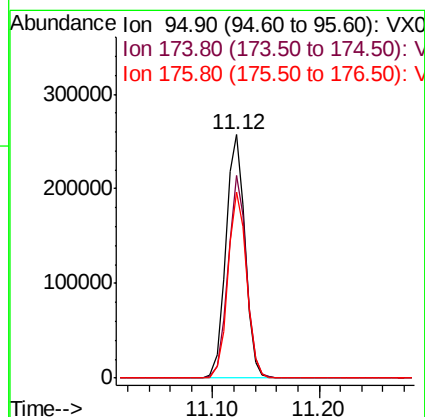
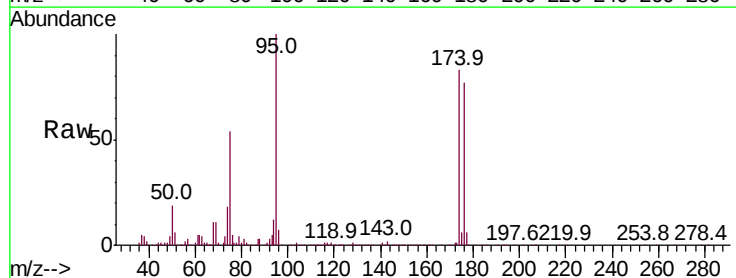
Tgt Ion: 95 Resp: 325193

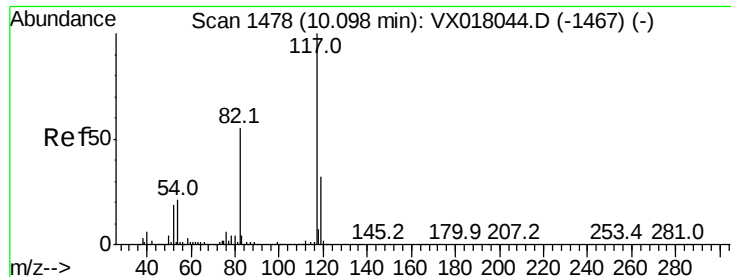
Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.2

176 74.8 0.0 155.8

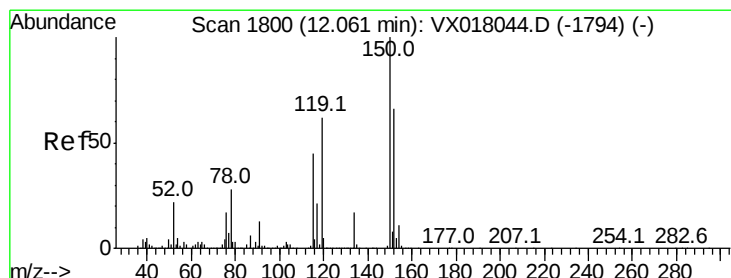
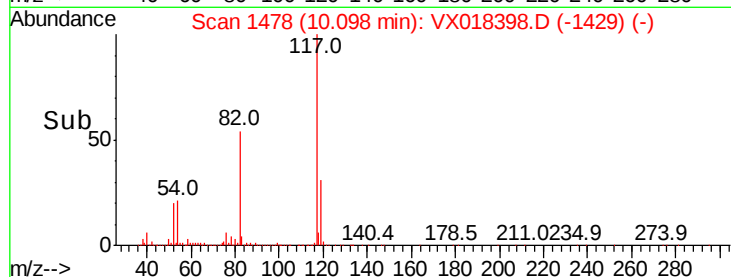
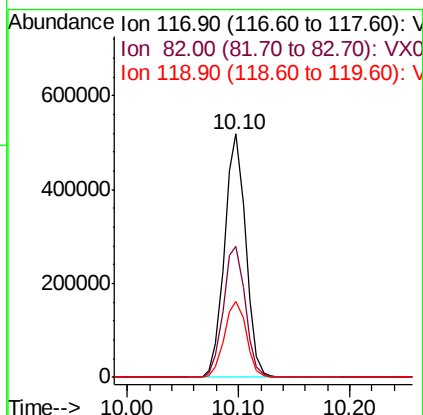
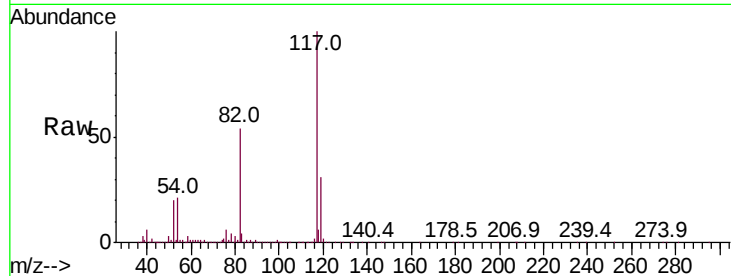




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

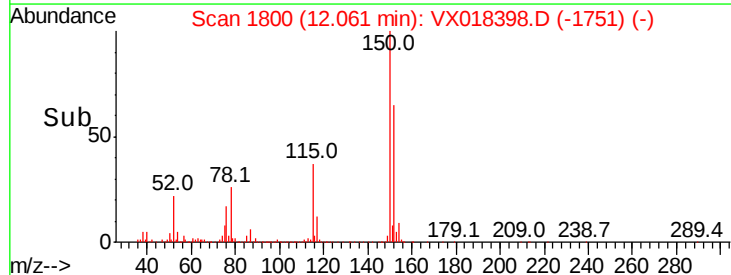
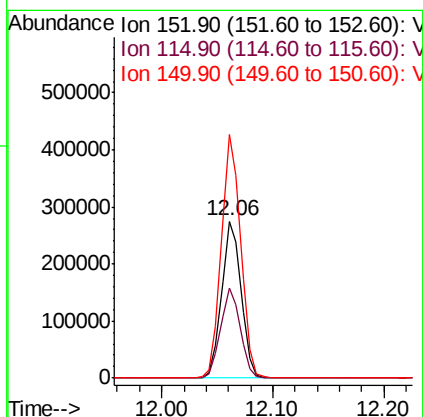
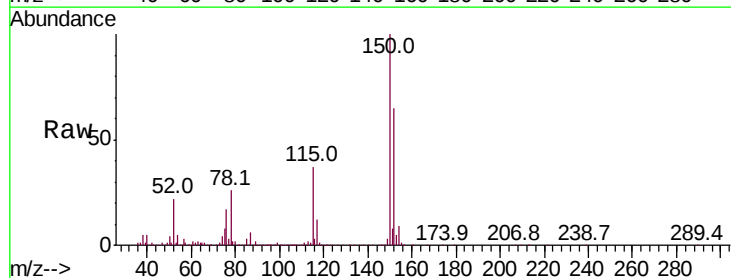
Instrument :
MSVOA_X
ClientSampleId :

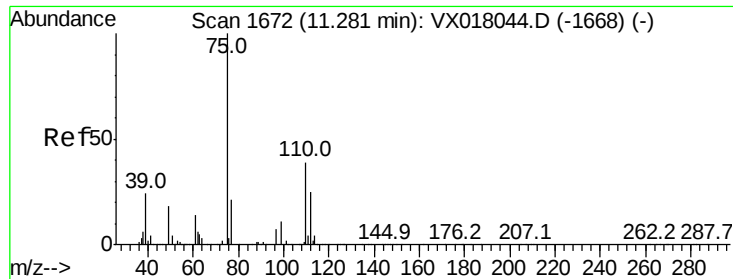
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	31.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018398.D
Acq: 14 Sep 2020 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	41.5	124.5
150	153.8	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.811 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Instrument :

MSVOA_X

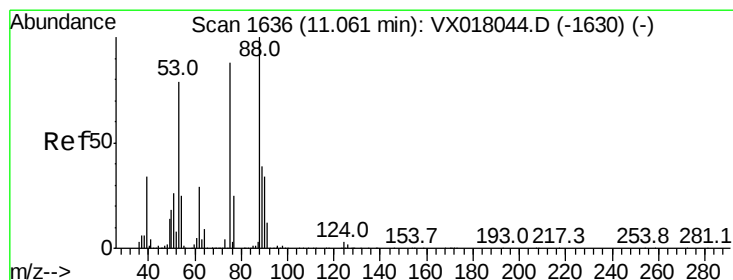
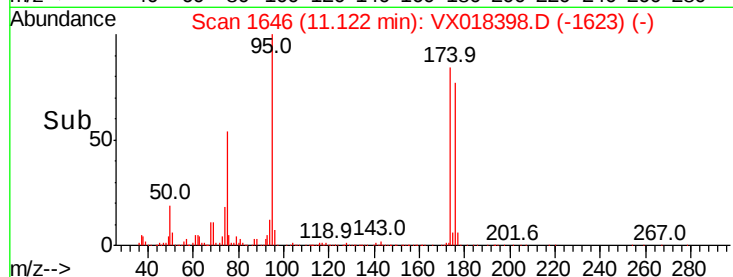
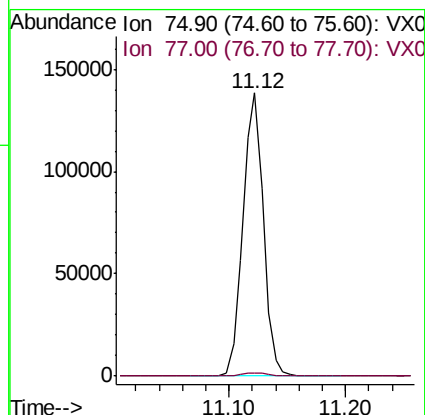
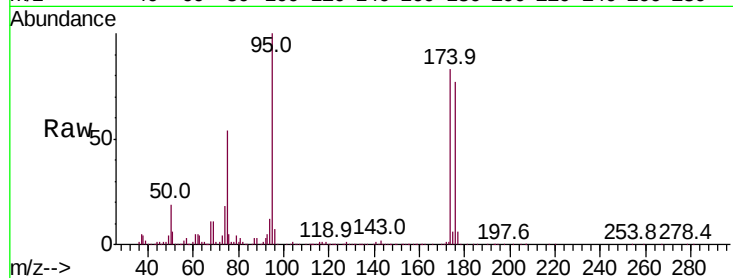
ClientSampleId :

Tot Ion: 75 Resp: 169705

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.608 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018398.D

Acq: 14 Sep 2020 20:46

Tgt Ion: 75 Resp: 169705

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.0 36.6 54.8#

