

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018410.D
 Acq On : 15 Sep 2020 16:31
 Operator : JC/SP
 Sample : PB131607ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#01

Quant Time: Sep 16 03:37:29 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	435062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	695679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	694902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	334352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	311196	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	5.46	113	244122	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.70	98	878173	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.12	95	333771	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

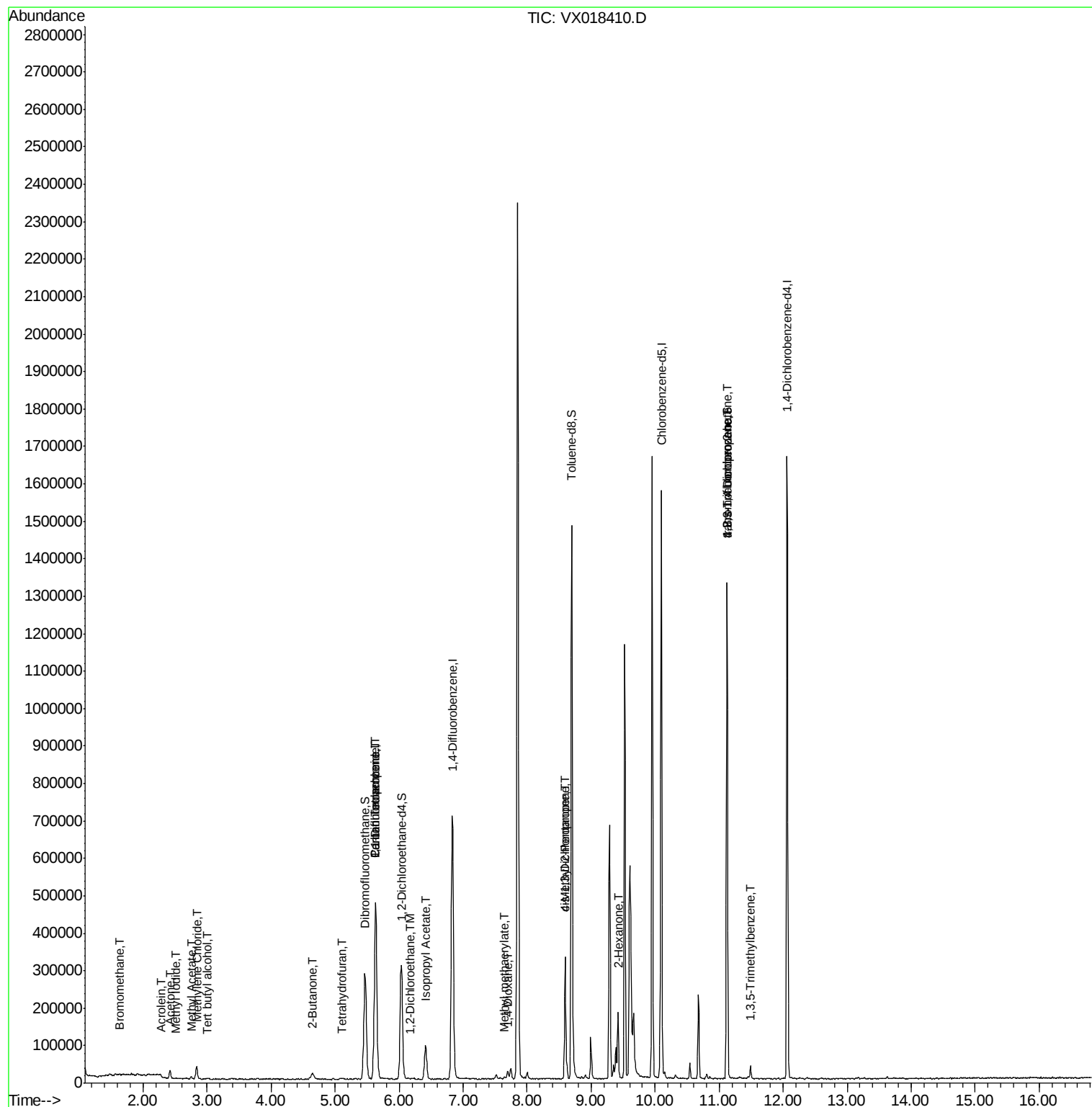
						Qvalue
5) Bromomethane	1.64	94	1127	0.420	ug/l #	3
10) Methyl Iodide	2.51	142	620	5.413	ug/l #	46
11) Tert butyl alcohol	3.00	59	1523	1.297	ug/l #	90
13) Acrolein	2.29	56	928	1.906	ug/l	99
16) Acetone	2.42	43	22788	9.683	ug/l	96
18) Methyl Acetate	2.75	43	7296	1.285	ug/l #	75
20) Methylene Chloride	2.84	84	15988	2.206	ug/l	89
25) 2-Butanone	4.65	43	6377	1.649	ug/l	97
29) Tetrahydrofuran	5.10	42	2142	0.870	ug/l #	82
36) 1,1-Dichloropropene	5.63	75	34897	5.439	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46416	6.419	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1642	0.227	ug/l	85
43) Isopropyl Acetate	6.41	43	124925	10.378	ug/l	100
48) Methyl methacrylate	7.65	41	6882	1.148	ug/l #	15
49) 1,4-Dioxane	7.70	88	183	1.686	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	118949	15.998	ug/l #	53
54) cis-1,3-Dichloropropene	8.60	75	51265	6.120	ug/l #	64
59) 2-Hexanone	9.42	43	112097	19.827	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	172476	23.189	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	15157	0.836	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	172476	62.630	ug/l #	12

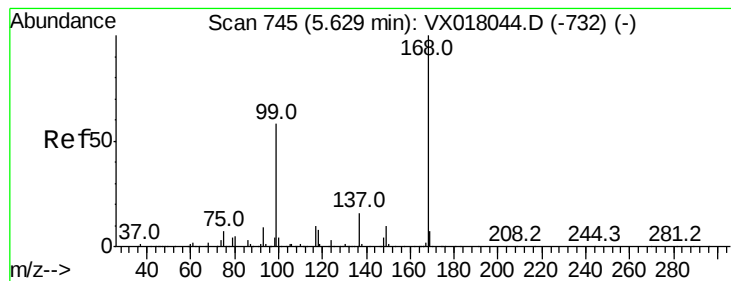
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091520\
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Acq On : 15 Sep 2020 16:31
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ClientSampleId :
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Quant Time: Sep 16 03:37:29 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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

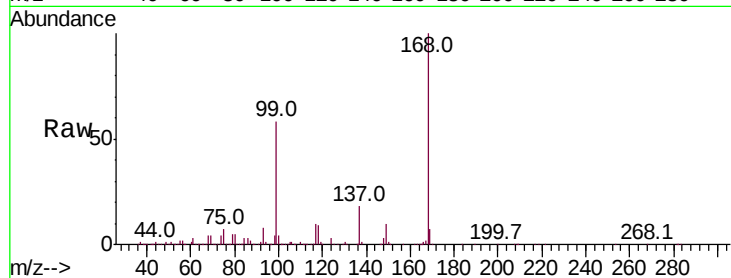
PB131607ZHE#01

Tot Ion:168 Resp: 435062

Ion Ratio Lower Upper

168 100

99 57.9 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

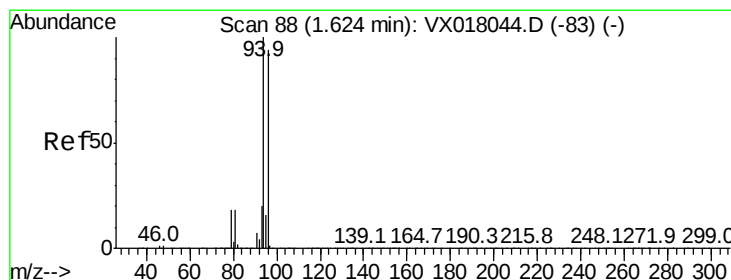
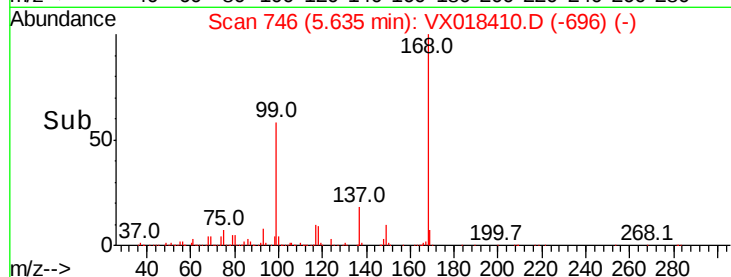
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.420 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018410.D

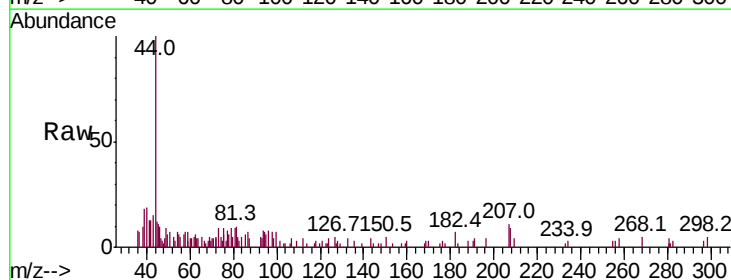
Acq: 15 Sep 2020 16:31

Tgt Ion: 94 Resp: 1127

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

500

400

300

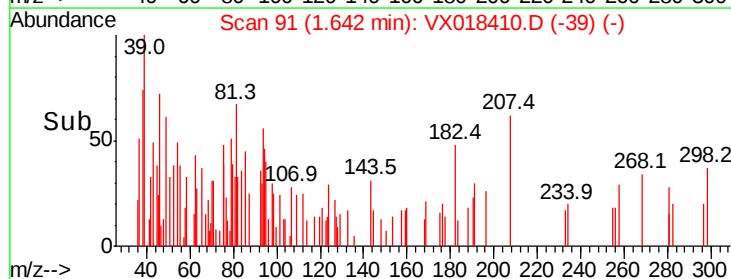
200

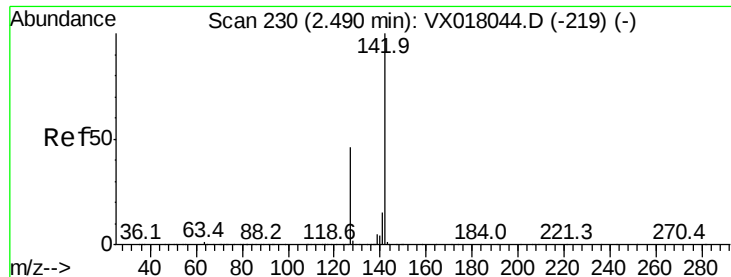
100

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 5.413 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#01

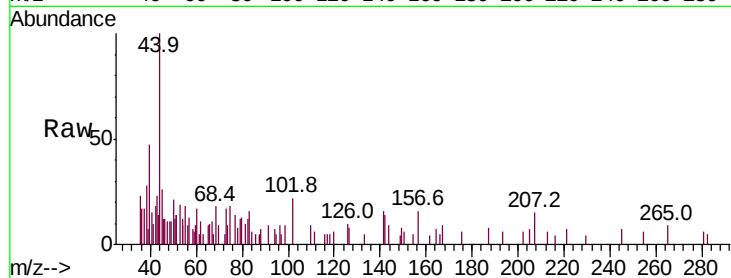
Tot Ion:142 Resp: 620

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

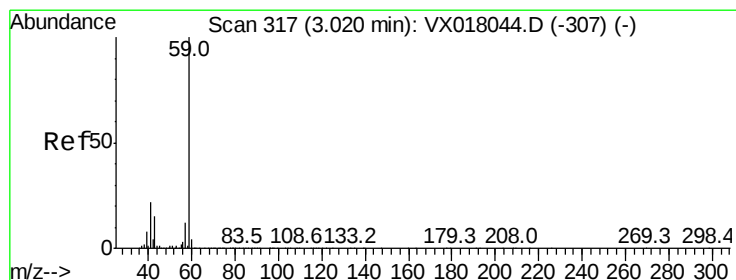
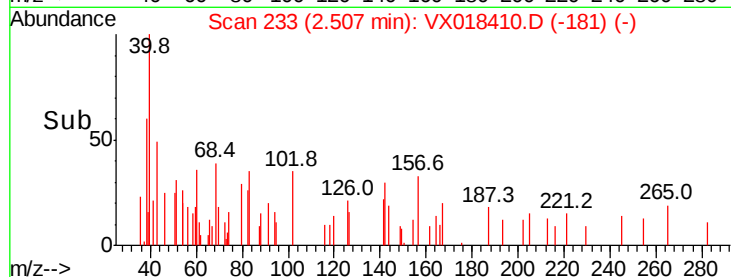
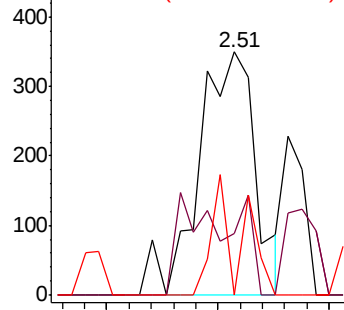
141 13.2 11.5 17.3



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: 1.297 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018410.D

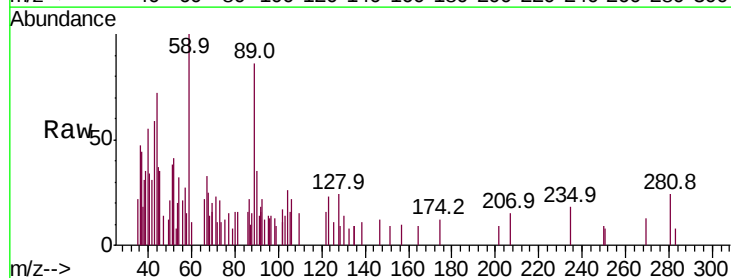
Acq: 15 Sep 2020 16:31

Tgt Ion: 59 Resp: 1523

Ion Ratio Lower Upper

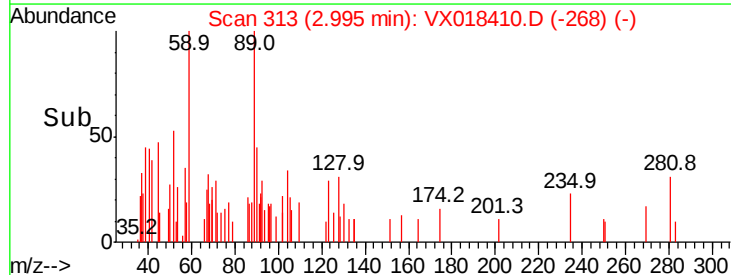
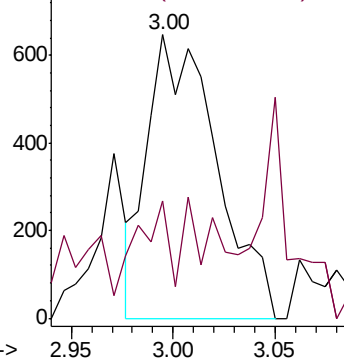
59 100

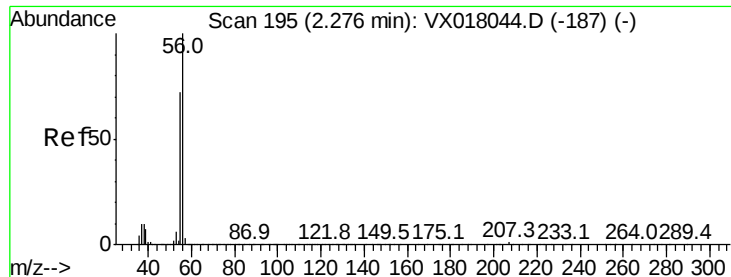
57 14.9 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

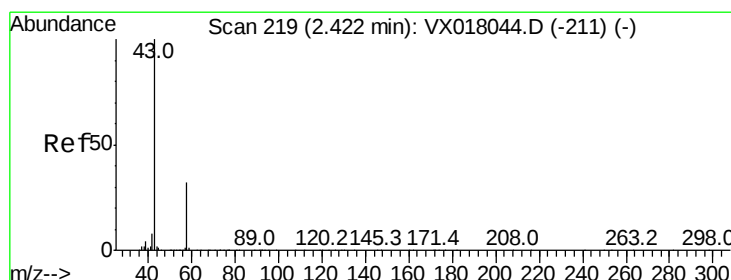
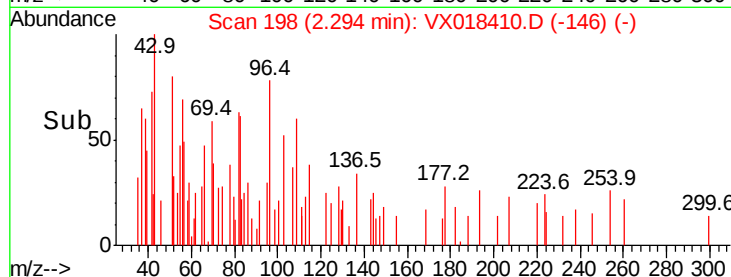
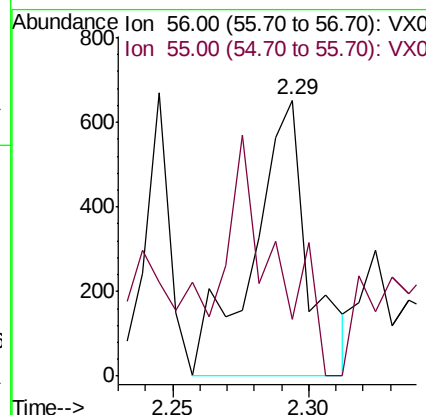
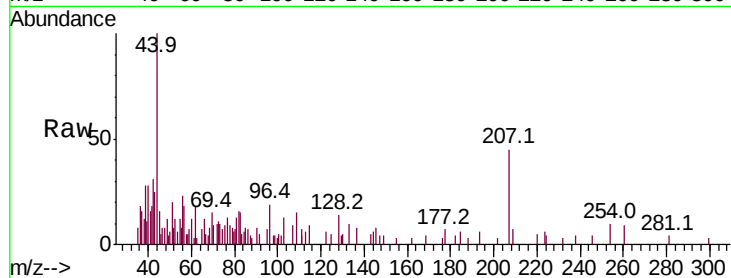




#13
Acrolein
Concen: 1.906 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

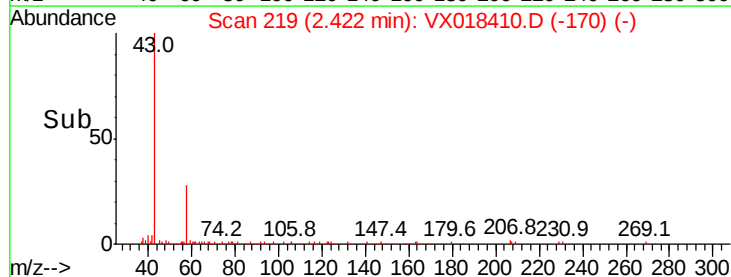
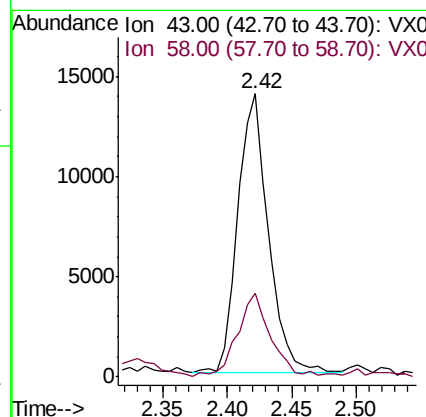
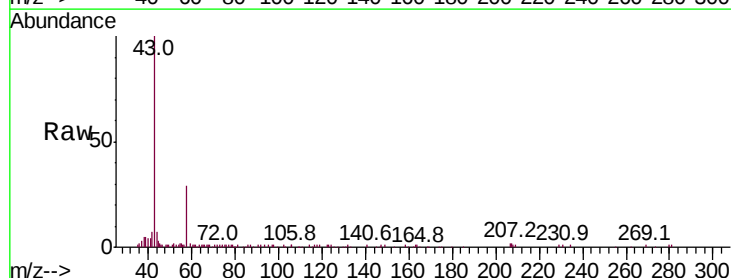
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#01

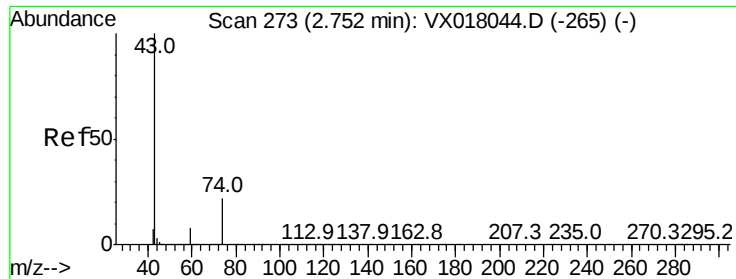
Tot Ion: 56 Resp: 928
Ion Ratio Lower Upper
56 100
55 71.8 57.0 85.6



#16
Acetone
Concen: 9.683 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

Tgt Ion: 43 Resp: 22788
Ion Ratio Lower Upper
43 100
58 29.9 25.5 38.3

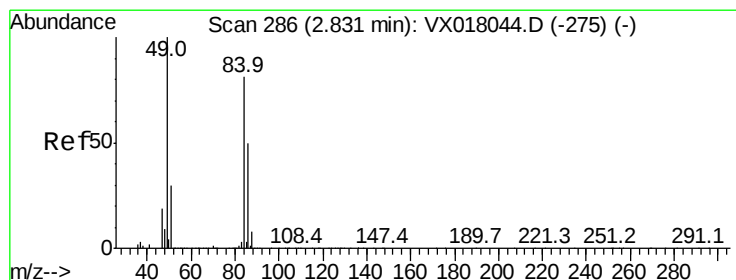
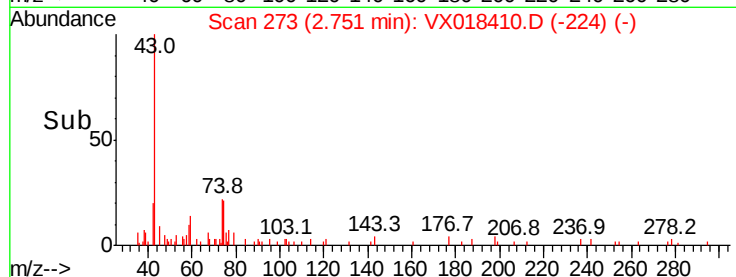
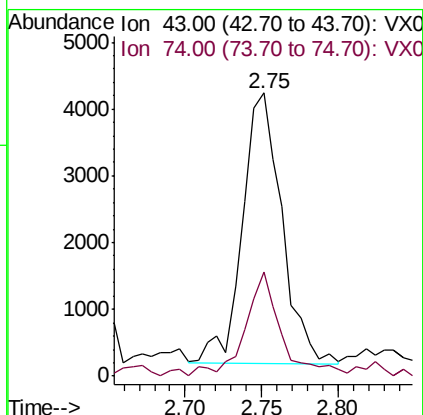
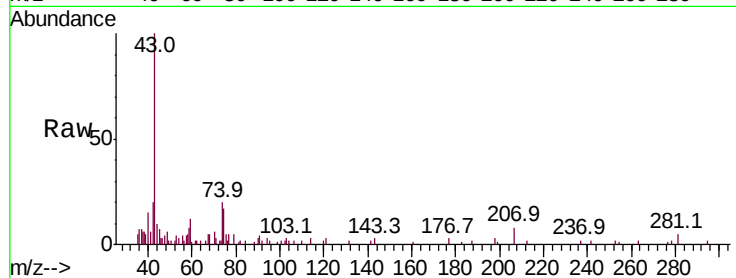




#18
Methyl Acetate
Concen: 1.285 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

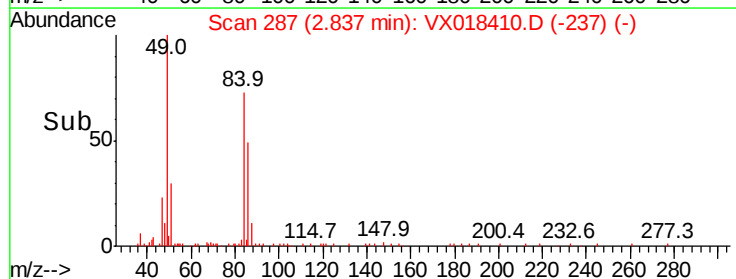
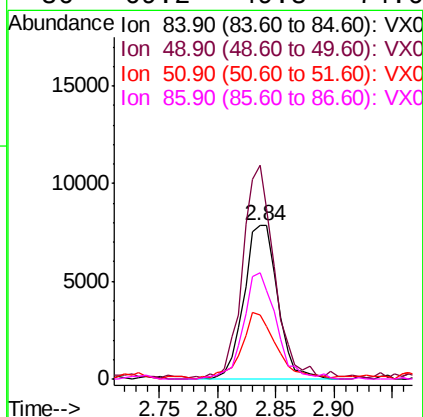
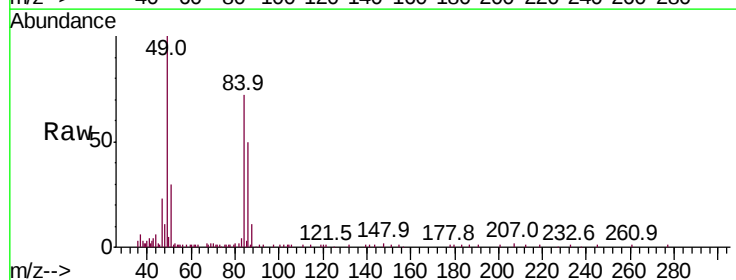
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#01

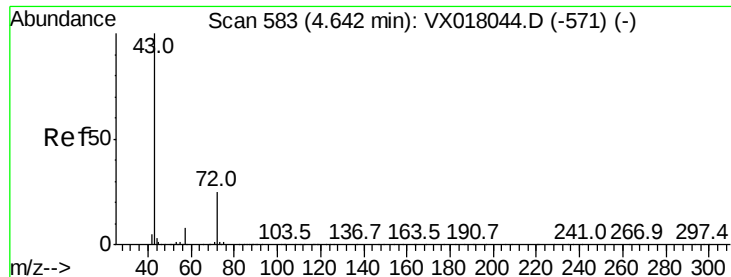
Tot Ion: 43 Resp: 7296
Ion Ratio Lower Upper
43 100
74 35.0 18.2 27.4#



#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

Tgt Ion: 84 Resp: 15988
Ion Ratio Lower Upper
84 100
49 138.1 98.6 148.0
51 40.9 29.6 44.4
86 69.2 49.8 74.6





#25

2-Butanone

Concen: 1.649 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

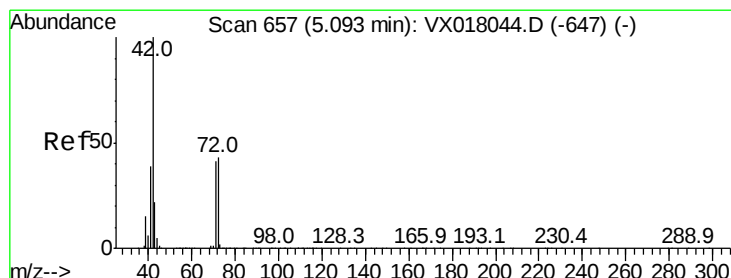
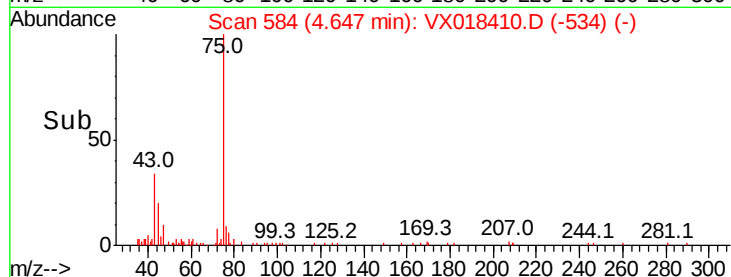
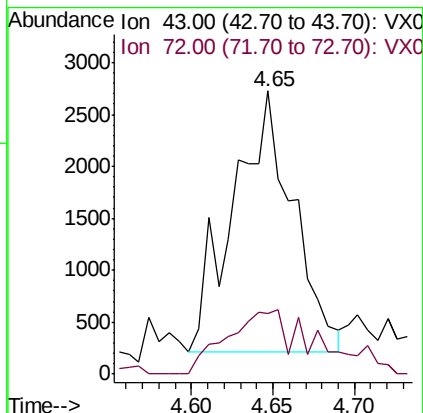
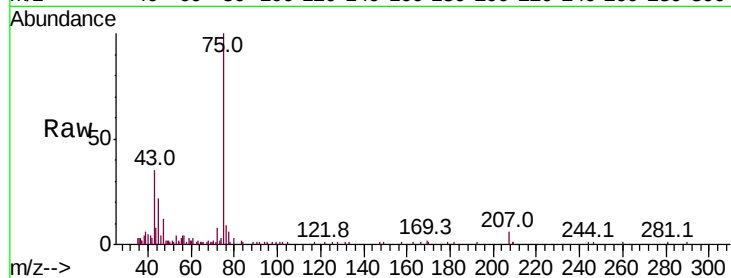
PB131607ZHE#01

Tot Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

72 23.3 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.870 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

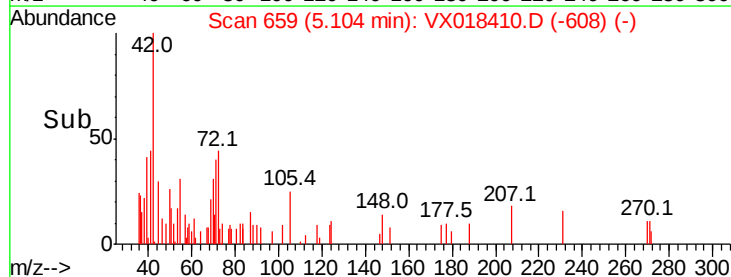
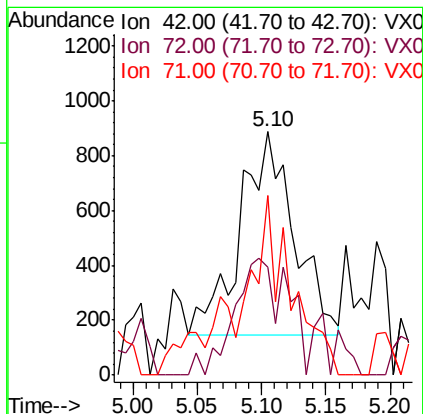
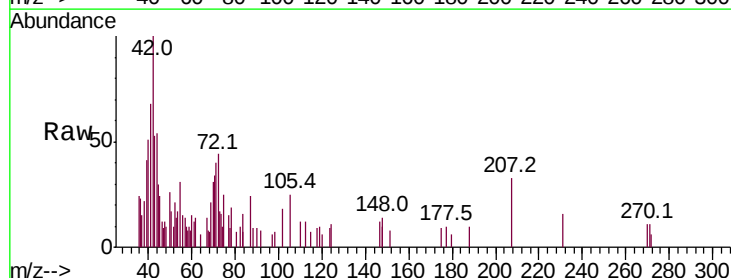
Tgt Ion: 42 Resp: 2142

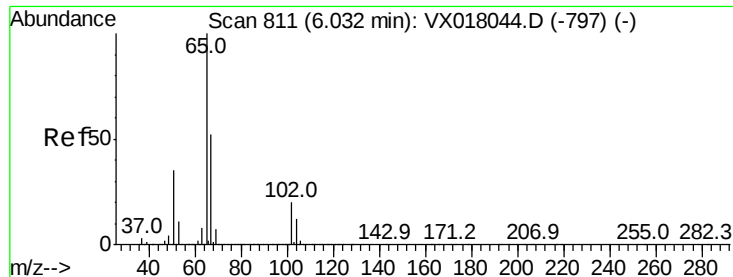
Ion Ratio Lower Upper

42 100

72 40.6 34.2 51.4

71 61.4 32.1 48.1#

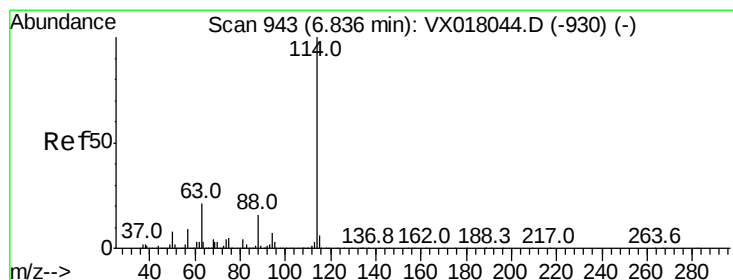
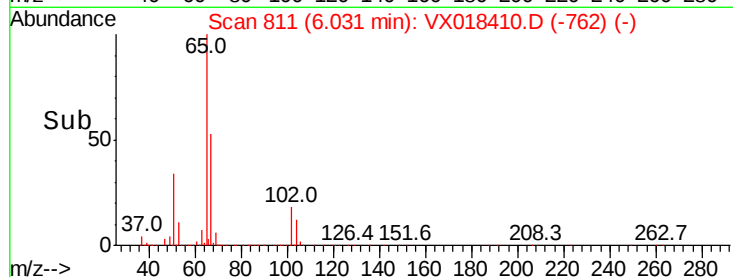
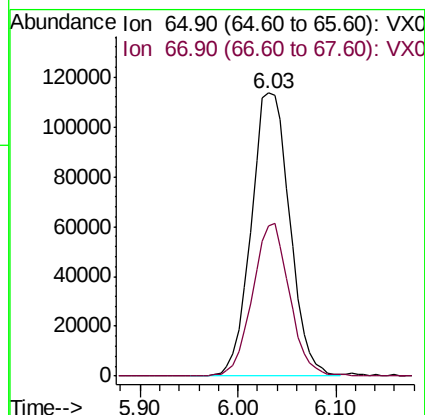
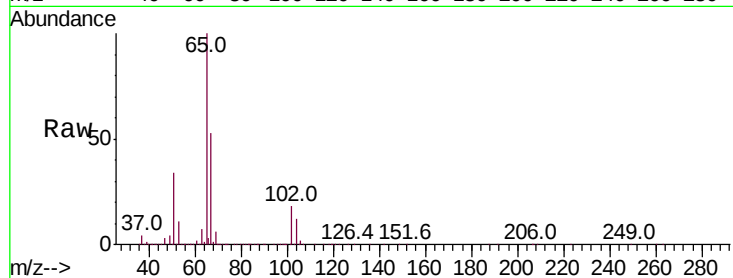




#33
 1,2-Dichloroethane-d4
 Concen: 51.524 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

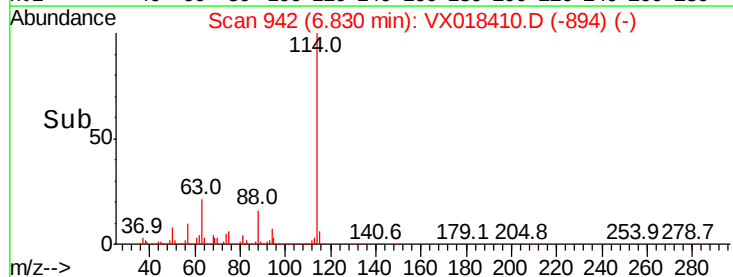
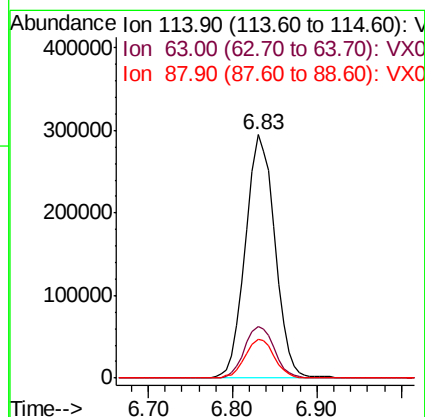
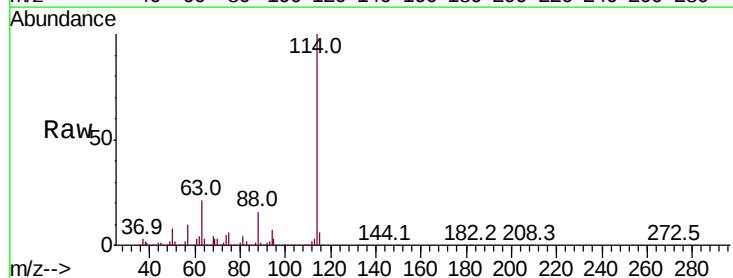
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#01

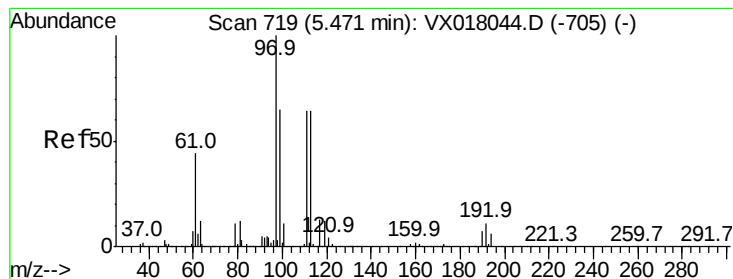
Tot Ion: 65 Resp: 311196
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

Tgt Ion: 114 Resp: 695679
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.525 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#01

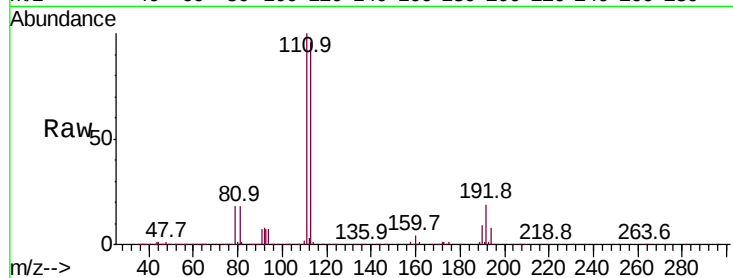
Tot Ion:113 Resp: 244122

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

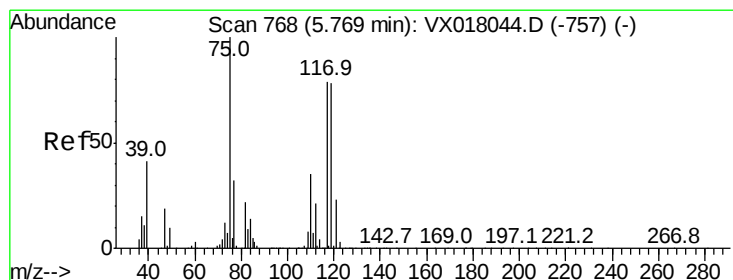
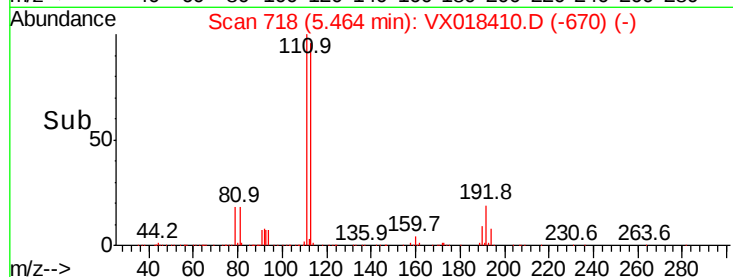
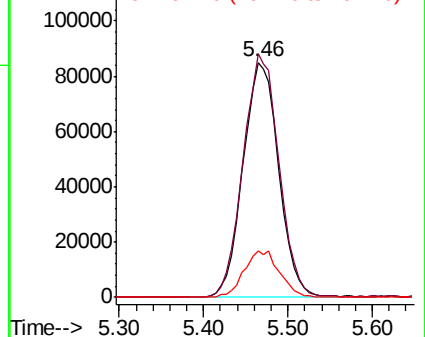
192 19.8 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.439 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

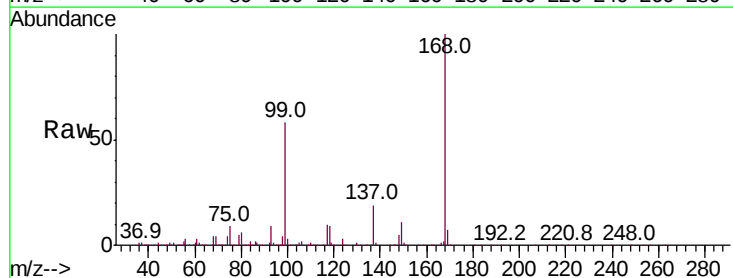
Tgt Ion: 75 Resp: 34897

Ion Ratio Lower Upper

75 100

110 10.5 18.0 54.0#

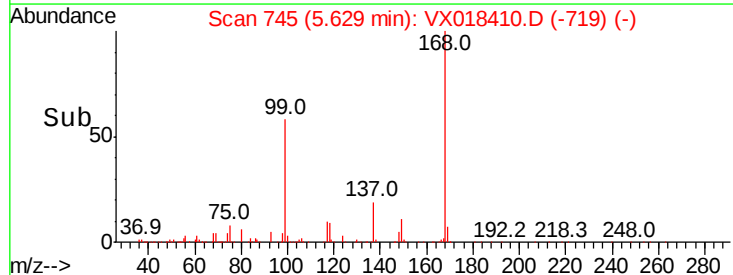
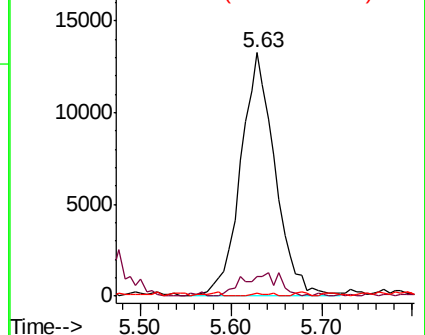
77 0.6 24.4 36.6#

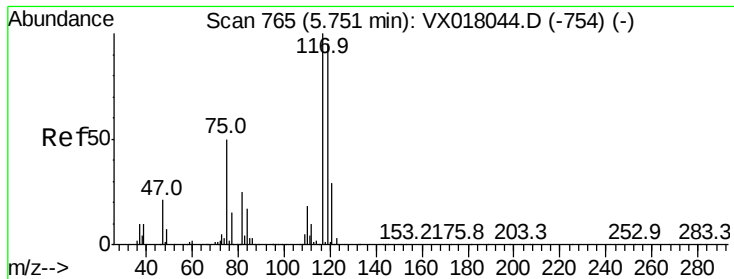


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.419 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#01

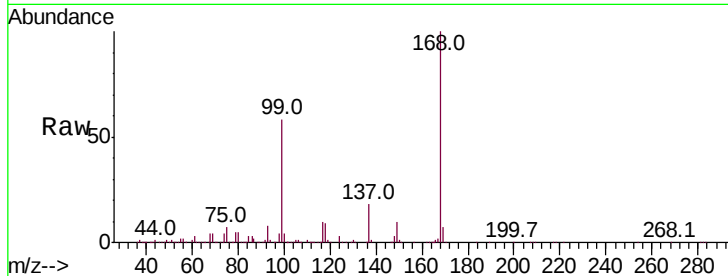
Tot Ion:117 Resp: 46416

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

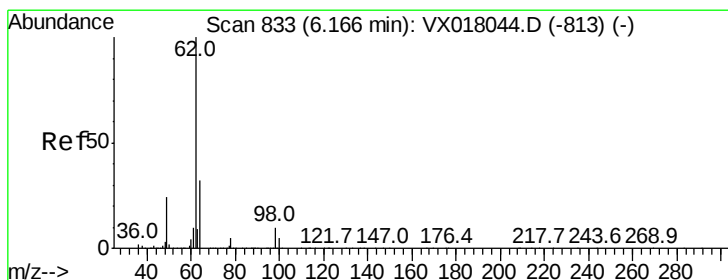
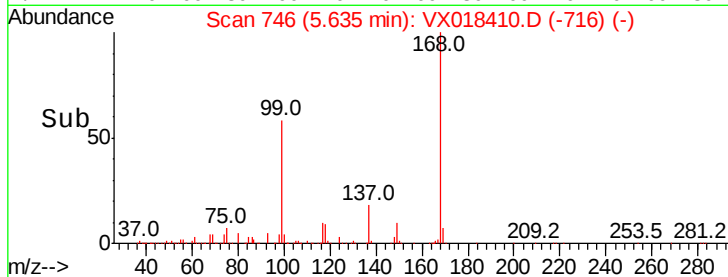
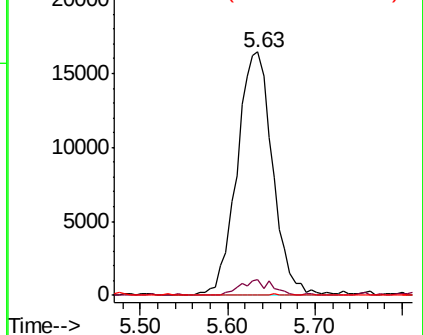
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018410.D

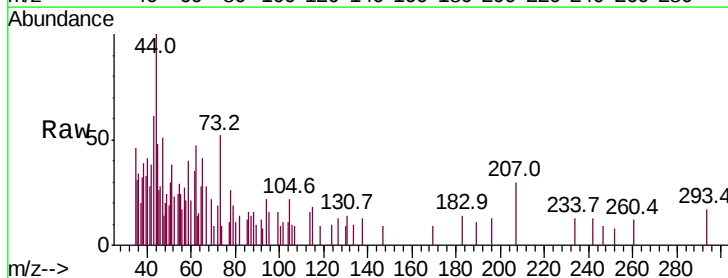
Acq: 15 Sep 2020 16:31

Tgt Ion: 62 Resp: 1642

Ion Ratio Lower Upper

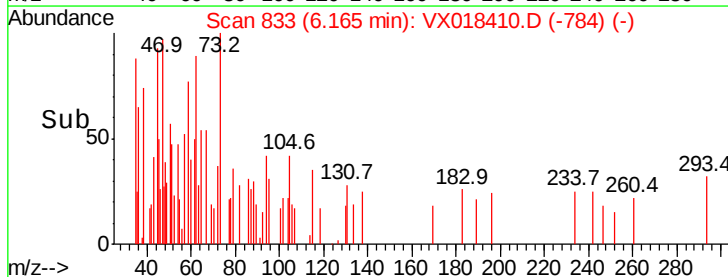
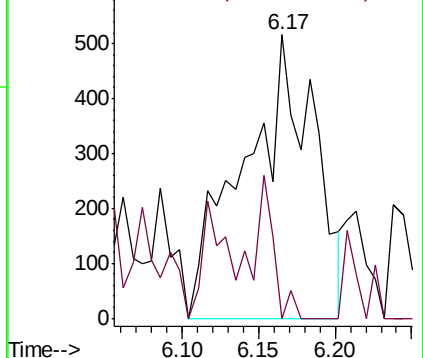
62 100

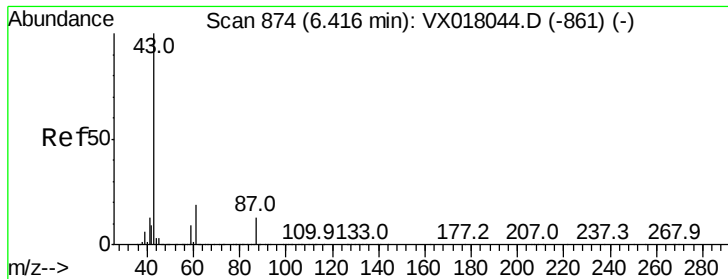
98 14.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



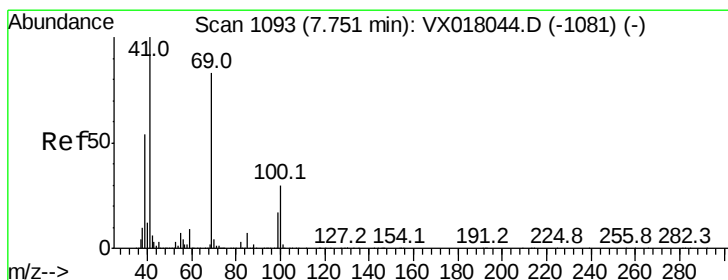
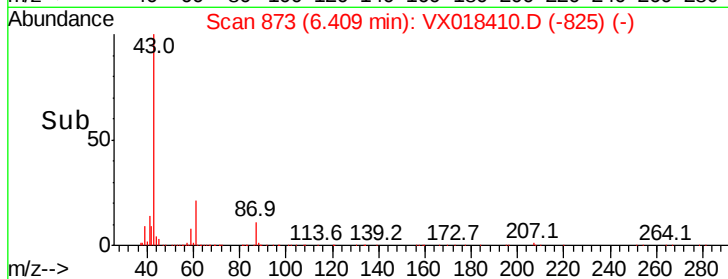
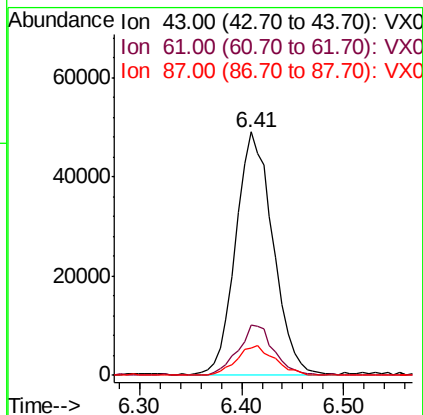
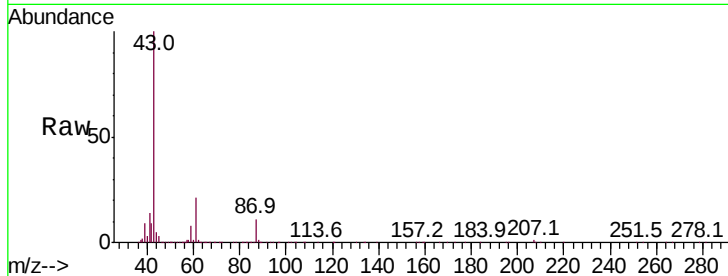


#43

Isopropyl Acetate
 Concen: 10.378 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#01

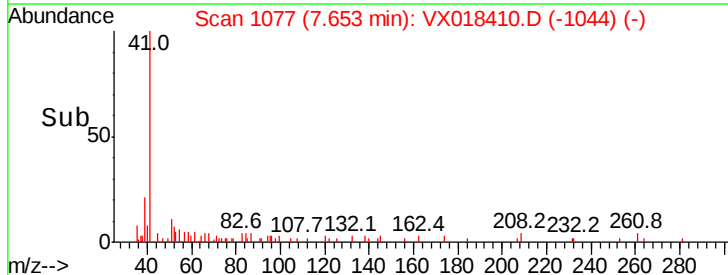
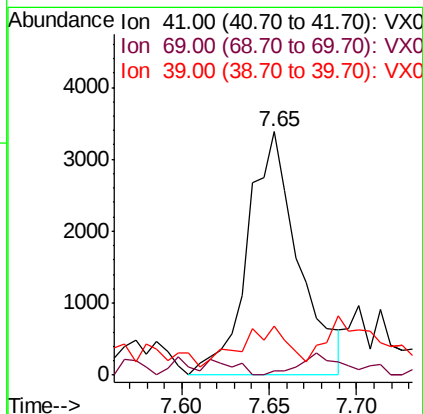
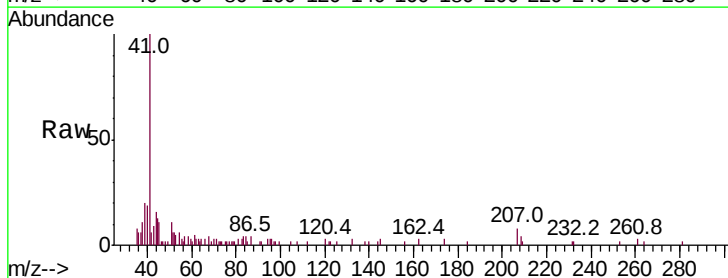
Tot Ion	43	Resp	124925
Ion Ratio	100	Lower	Upper
61	19.7	15.7	23.5
87	12.6	10.3	15.5

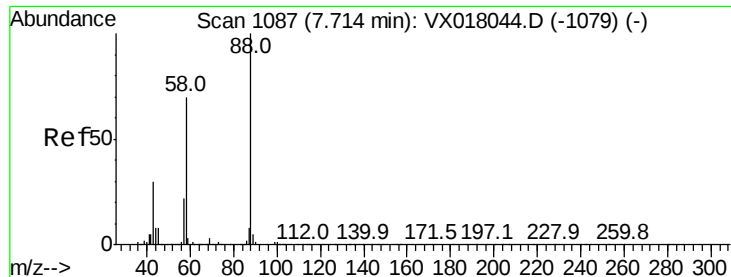


#48

Methyl methacrylate
 Concen: 1.148 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

Tgt Ion	41	Resp	6882
Ion Ratio	100	Lower	Upper
69	0.0	65.5	98.3#
39	0.0	44.5	66.7#

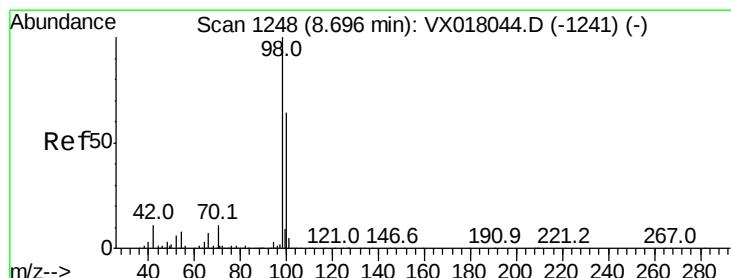
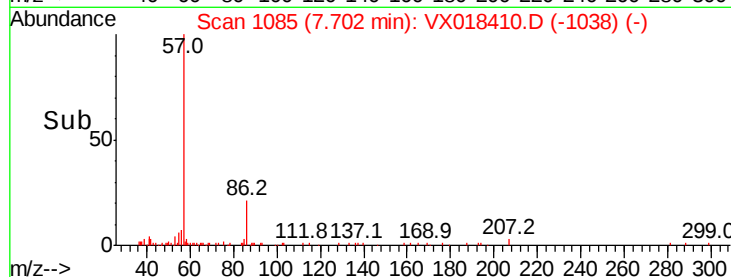
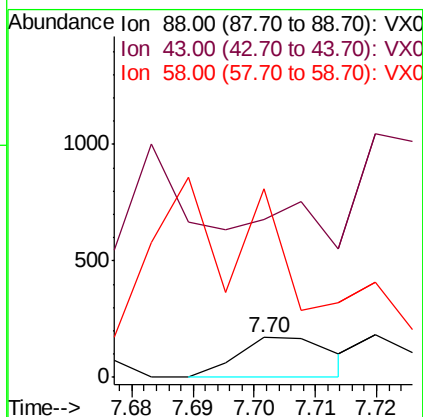
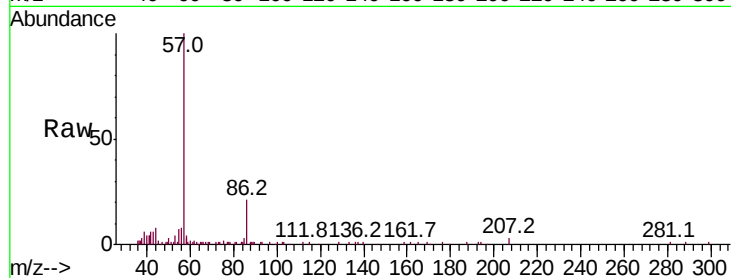




#49
 1,4-Dioxane
 Concen: 1.686 ug/l
 RT: 7.70 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

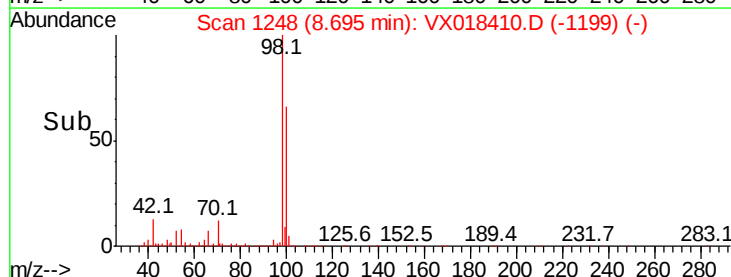
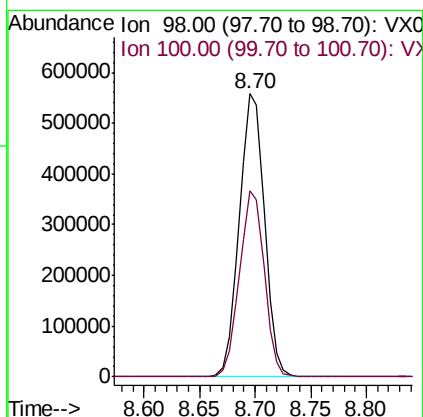
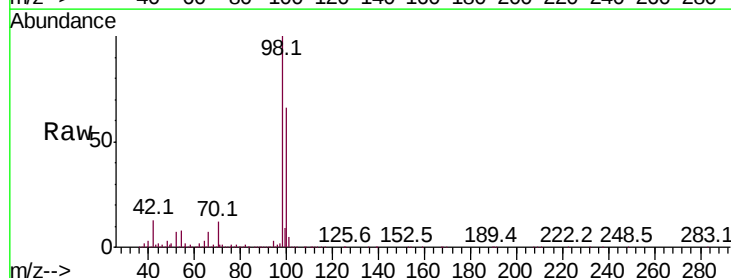
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#01

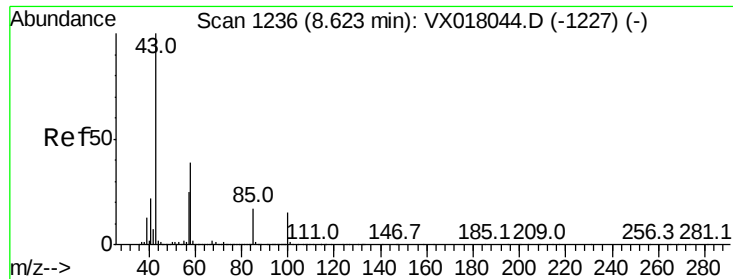
Tot Ion: 88 Resp: 183
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.4 41.0#
 58 731.1 56.4 84.6#



#50
 Toluene-d8
 Concen: 49.764 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX018410.D
 Acq: 15 Sep 2020 16:31

Tgt Ion: 98 Resp: 878173
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 15.998 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

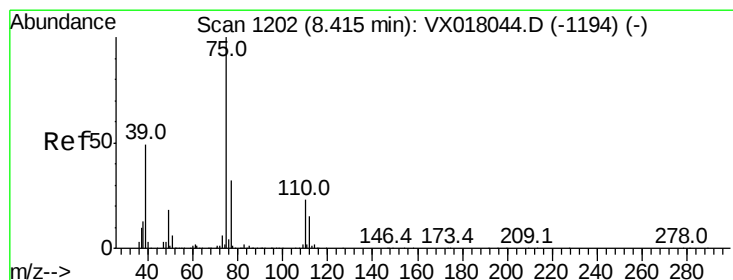
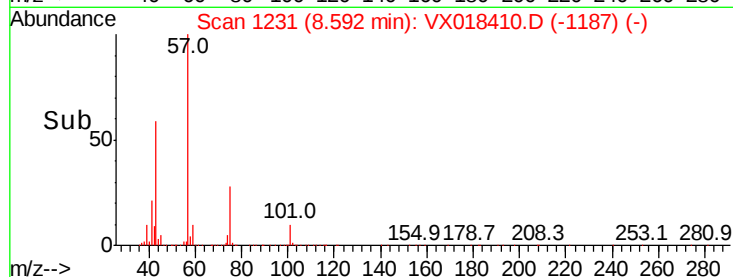
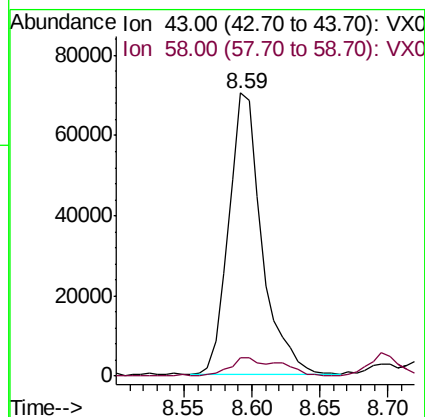
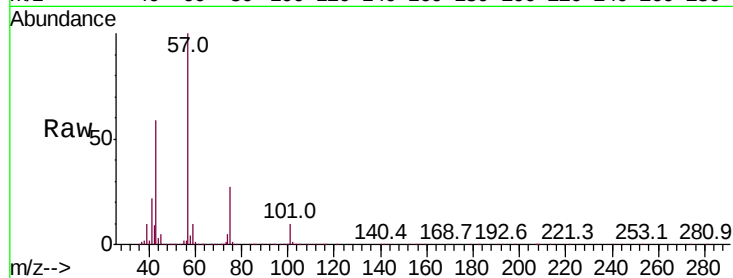
Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#01

Tot Ion: 43 Resp: 118949

Ion	Ratio	Lower	Upper
43	100		
58	9.9	30.7	46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.120 ug/l

RT: 8.60 min Scan# 1232

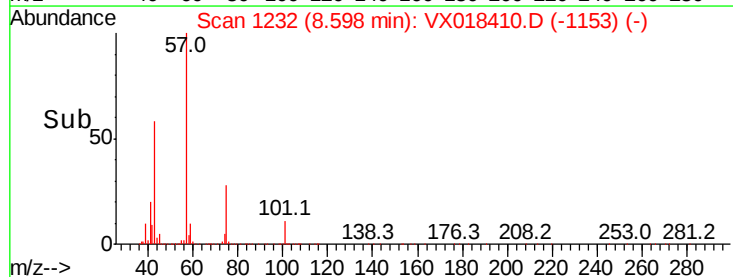
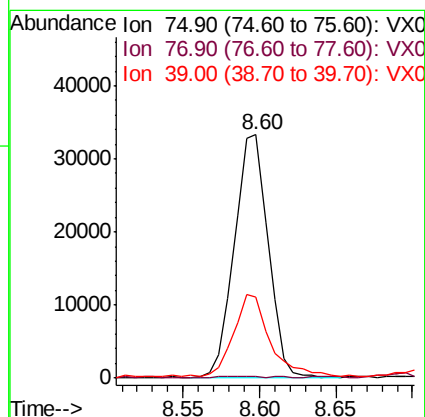
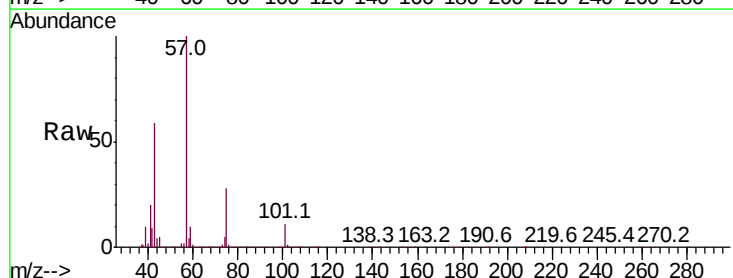
Delta R.T. 0.18 min

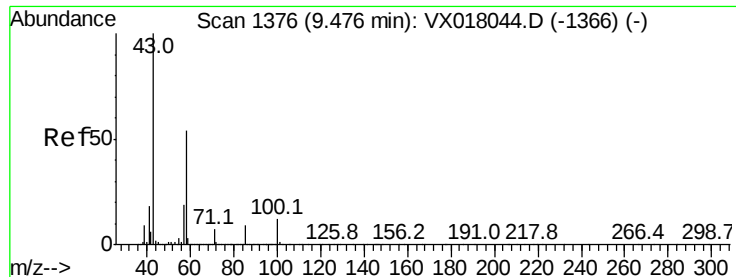
Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Tgt Ion: 75 Resp: 51265

Ion	Ratio	Lower	Upper
75	100		
77	0.8	25.8	38.8#
39	32.7	38.8	58.2#

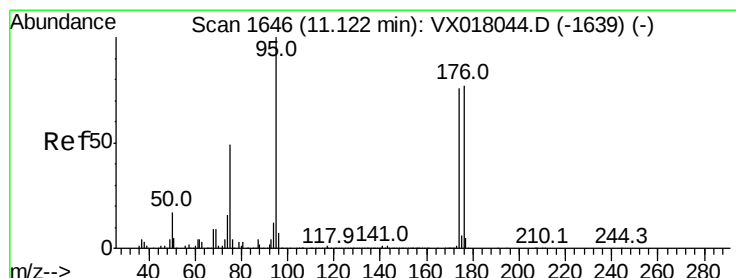
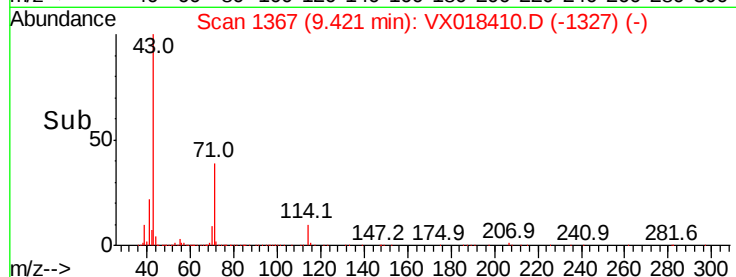
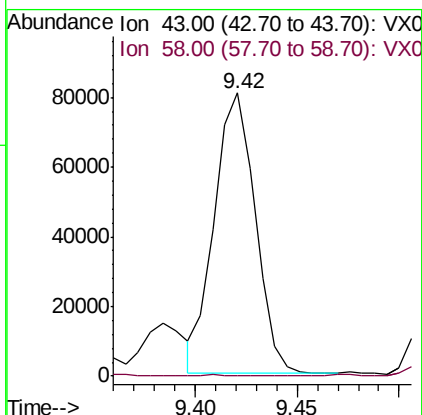
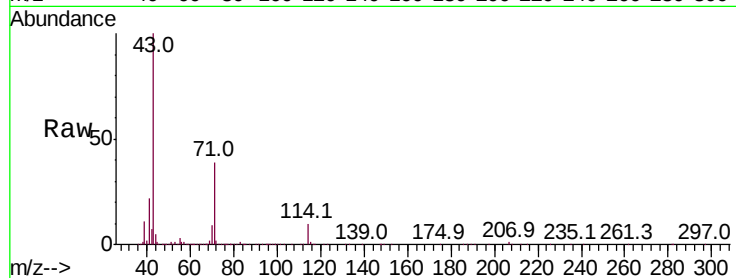




#59
2-Hexanone
Concen: 19.827 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

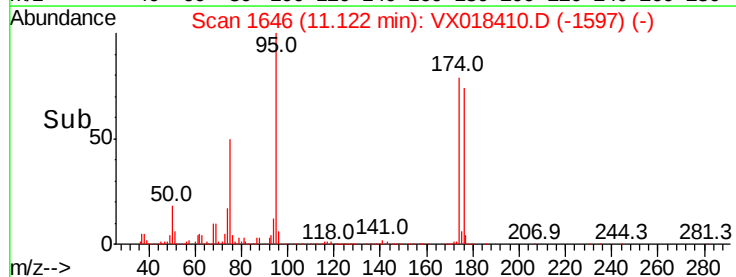
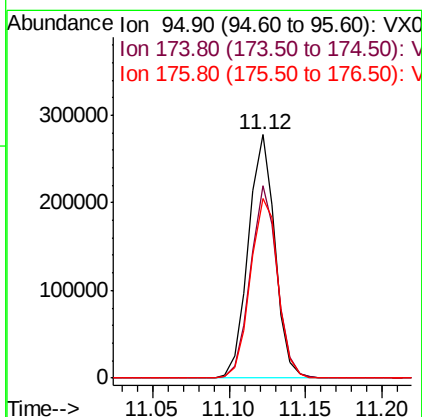
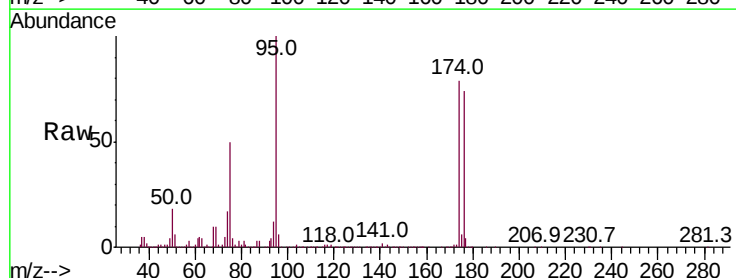
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#01

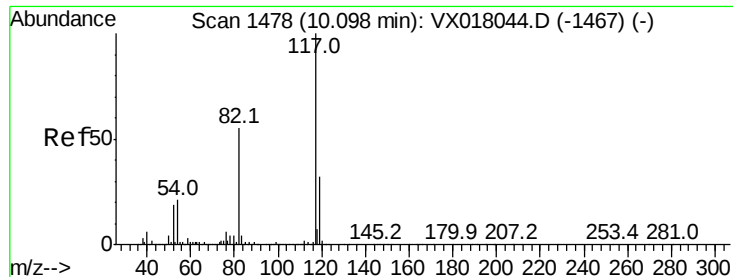
Tot Ion: 43 Resp: 112097
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 48.074 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

Tgt Ion: 95 Resp: 333771
Ion Ratio Lower Upper
95 100
174 79.9 0.0 160.2
176 77.5 0.0 155.8

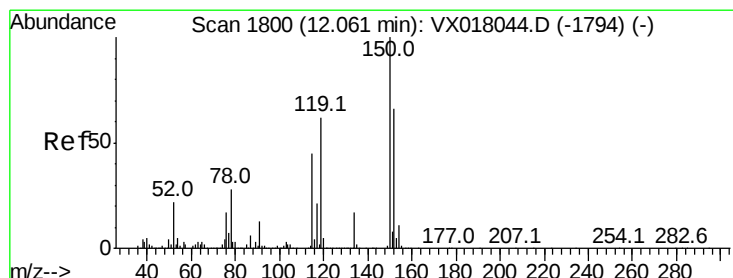
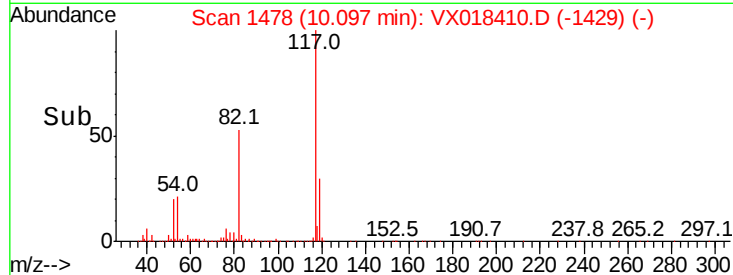
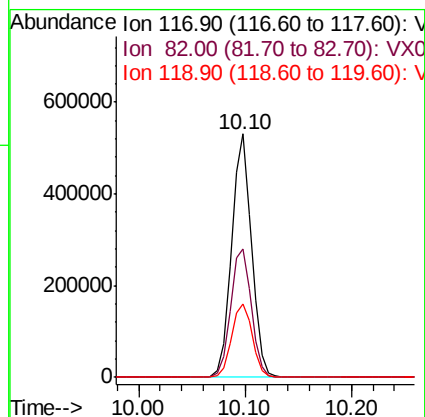
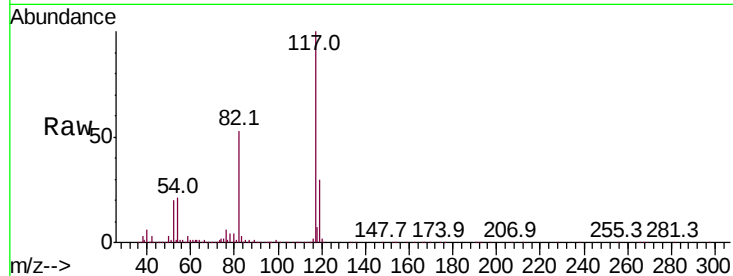




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

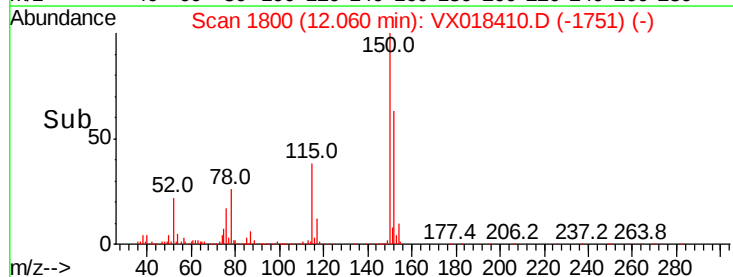
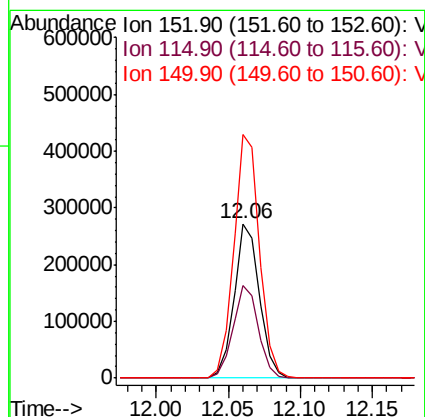
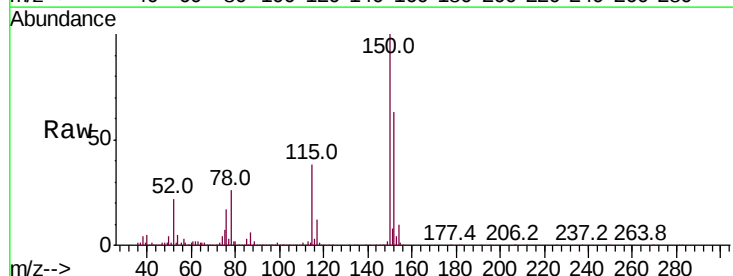
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#01

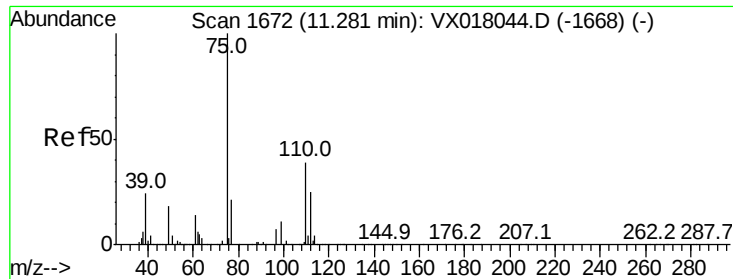
Tot Ion:117 Resp: 694902
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 30.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018410.D
Acq: 15 Sep 2020 16:31

Tgt Ion:152 Resp: 334352
Ion Ratio Lower Upper
152 100
115 60.2 41.5 124.5
150 159.8 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.189 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

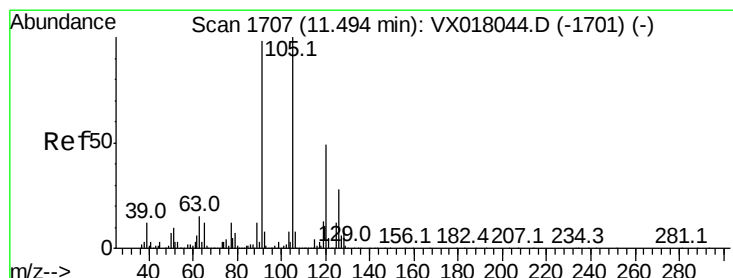
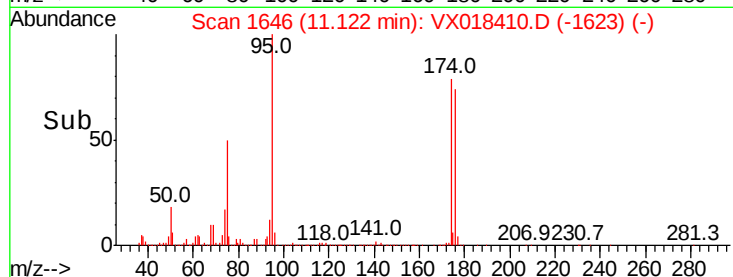
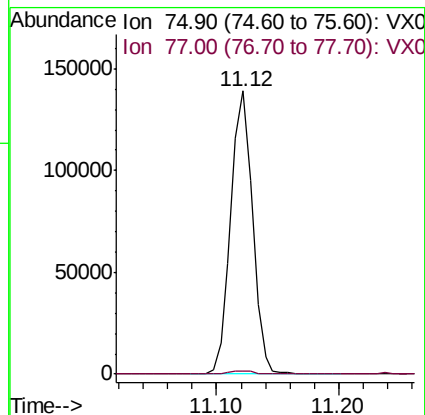
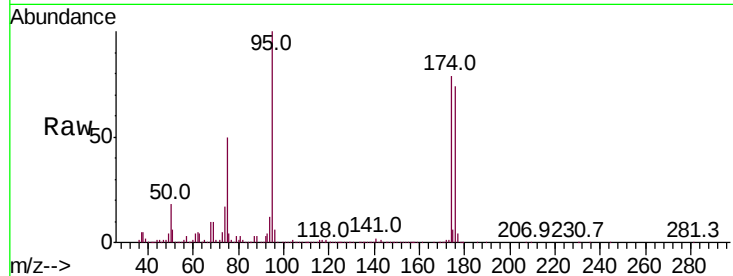
PB131607ZHE#01

Tot Ion: 75 Resp: 172476

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.836 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018410.D

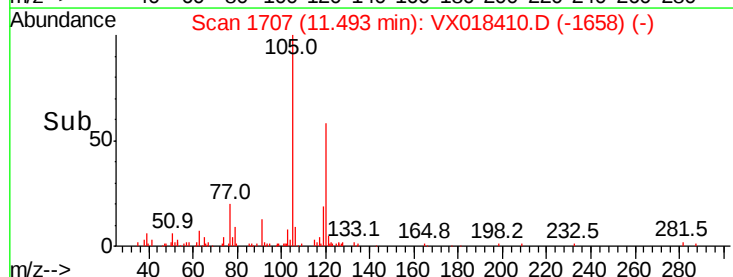
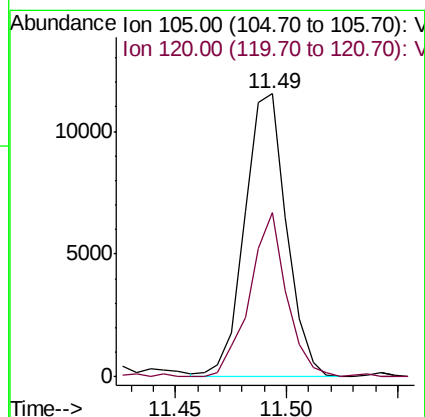
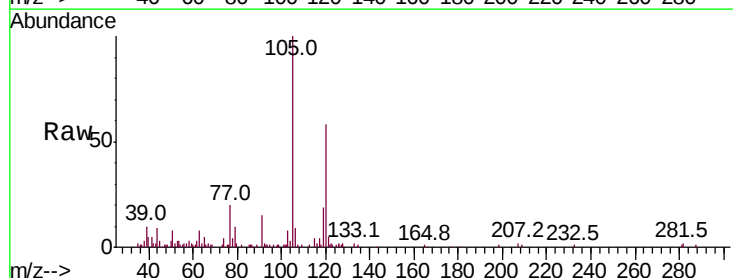
Acq: 15 Sep 2020 16:31

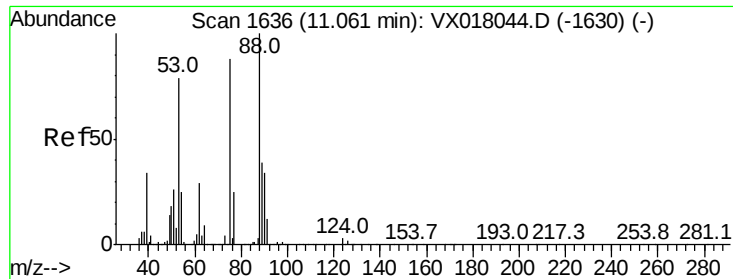
Tgt Ion:105 Resp: 15157

Ion Ratio Lower Upper

105 100

120 51.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.630 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018410.D

Acq: 15 Sep 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#01

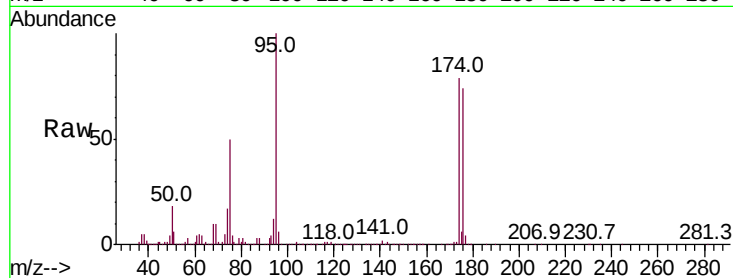
Tot Ion: 75 Resp: 172476

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

