

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020023.D
 Acq On : 15 Dec 2020 19:41
 Operator : JC/MD
 Sample : PB133610ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#05

Quant Time: Dec 16 00:29:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	310036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	480429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197895	48.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.14%
35) Dibromofluoromethane	5.46	113	160603	48.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.90%
50) Toluene-d8	8.70	98	635157	50.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.38%
62) 4-Bromofluorobenzene	11.12	95	219104	45.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.98%

Target Compounds

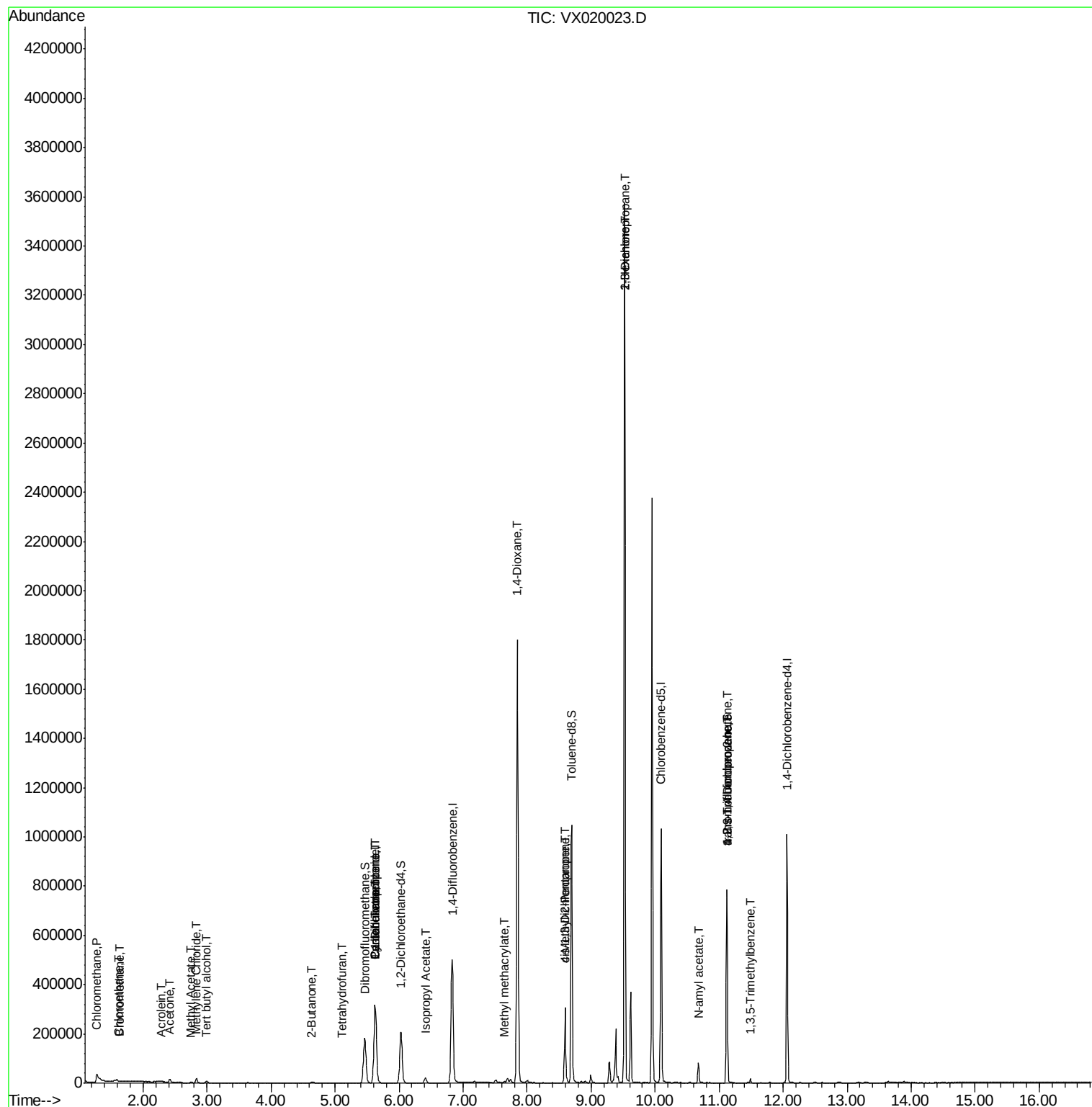
					Qvalue
3) Chloromethane	1.28	50	940	0.282 ug/l #	42
5) Bromomethane	1.64	94	354	0.303 ug/l #	71
6) Chloroethane	1.62	64	1924	0.910 ug/l #	43
11) Tert butyl alcohol	3.00	59	3539	1.628 ug/l #	73
13) Acrolein	2.28	56	150	0.333 ug/l #	6
16) Acetone	2.42	43	13908	9.081 ug/l	97
18) Methyl Acetate	2.75	43	2239	0.597 ug/l #	89
20) Methylene Chloride	2.84	84	8729	1.106 ug/l	99
25) 2-Butanone	4.64	43	3661	1.556 ug/l #	88
29) Tetrahydrofuran	5.10	42	855	0.564 ug/l #	52
31) Cyclohexane	5.63	56	5851	1.154 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23537	5.079 ug/l #	49
38) Carbon Tetrachloride	5.63	117	29911	6.591 ug/l #	17
43) Isopropyl Acetate	6.41	43	25579	3.362 ug/l	99
48) Methyl methacrylate	7.65	41	6905	1.846 ug/l #	10
49) 1,4-Dioxane	7.85	88	225	2.483 ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	95166	20.490 ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	51324	8.979 ug/l #	59
57) 1,3-Dichloropropane	9.52	76	31902	5.236 ug/l #	43
59) 2-Hexanone	9.52	43	389119	108.085 ug/l #	46
74) N-amyl acetate	10.68	43	17853	3.195 ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	106908	23.358 ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	7070	0.601 ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	106908	67.525 ug/l #	12

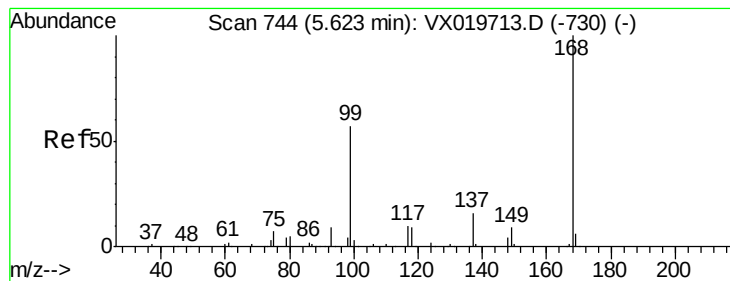
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

Instrument :

MSVOA_X

ClientSampleId :

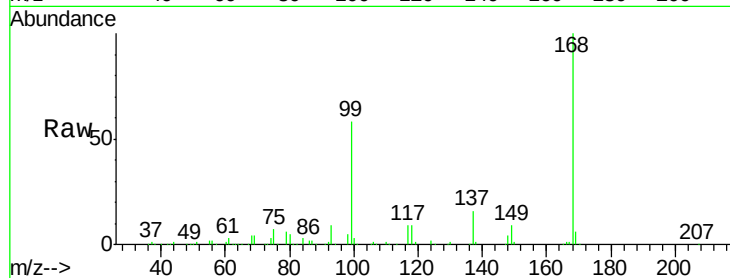
PB133610ZHE#05

Tgt Ion: 168 Resp: 310036

Ion Ratio Lower Upper

168 100

99 57.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

60000

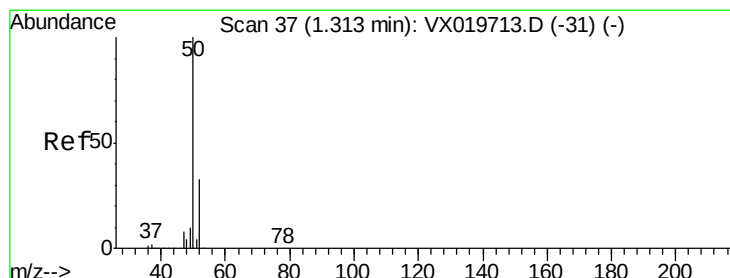
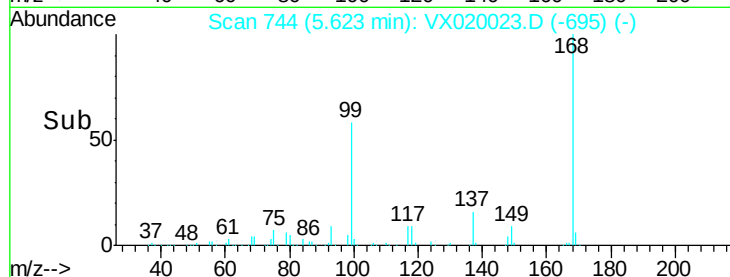
40000

20000

0

Time-->

5.60 5.80



#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.28 min Scan# 32

Delta R.T. -0.03 min

Lab File: VX020023.D

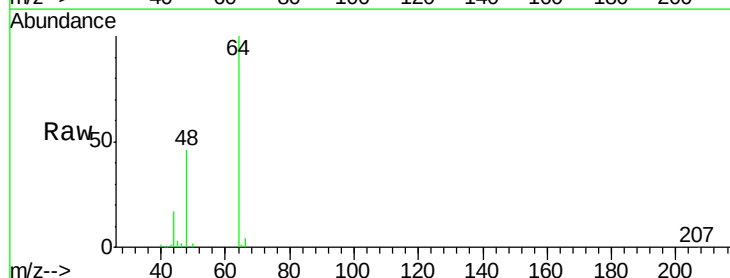
Acq: 15 Dec 2020 19:41

Tgt Ion: 50 Resp: 940

Ion Ratio Lower Upper

50 100

52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.28

500

400

300

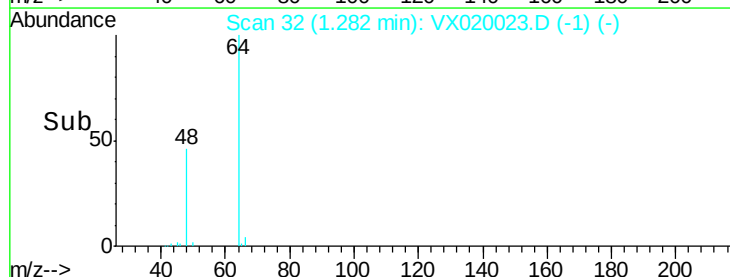
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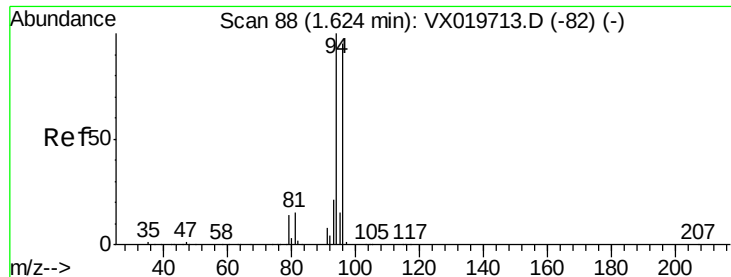
100

0

Time-->

1.24 1.26 1.28 1.30





#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

Instrument :

MSVOA_X

ClientSampleId :

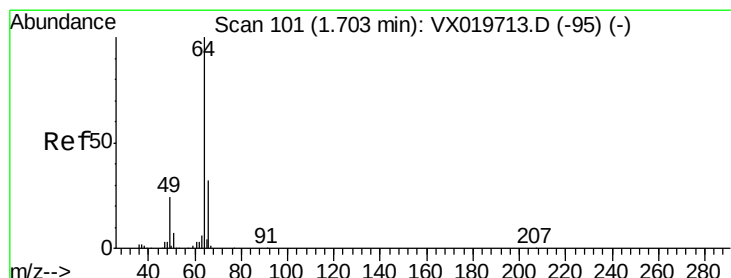
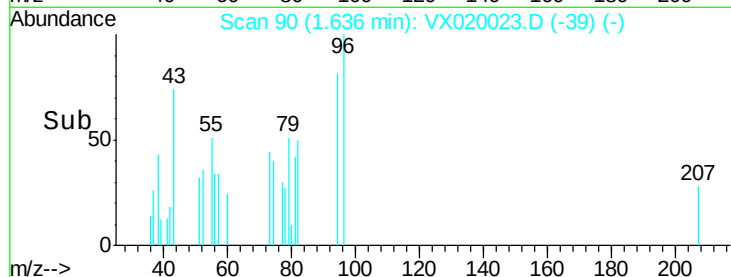
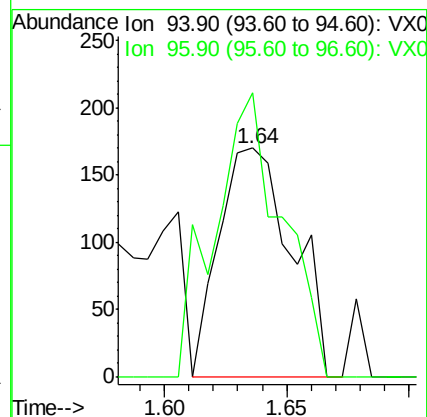
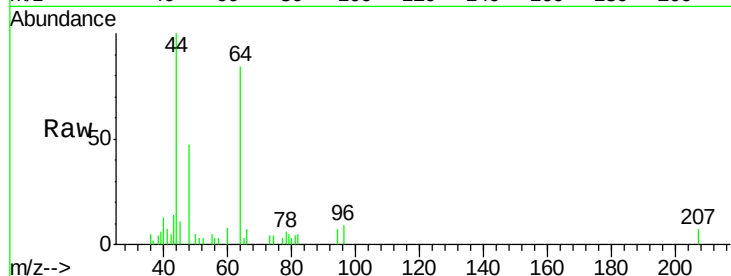
PB133610ZHE#05

Tgt Ion: 94 Resp: 354

Ion Ratio Lower Upper

94 100

96 124.1 76.4 114.6#



#6

Chloroethane

Concen: 0.910 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.09 min

Lab File: VX020023.D

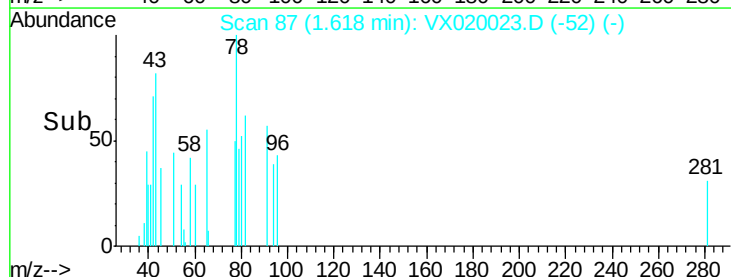
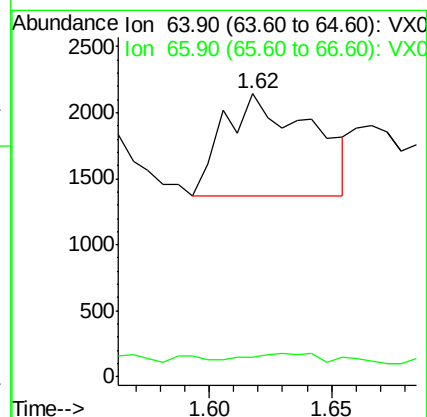
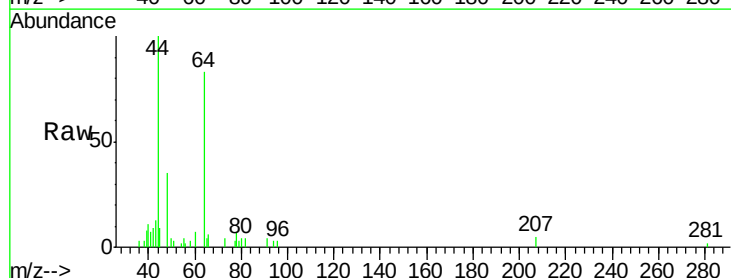
Acq: 15 Dec 2020 19:41

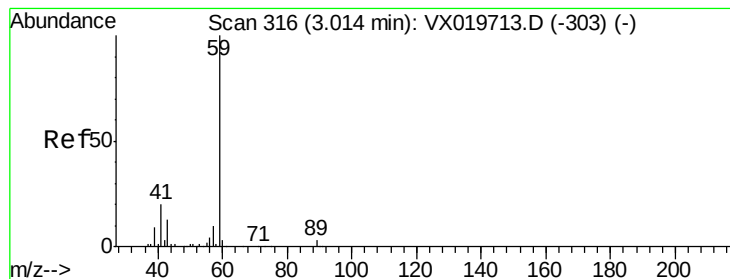
Tgt Ion: 64 Resp: 1924

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



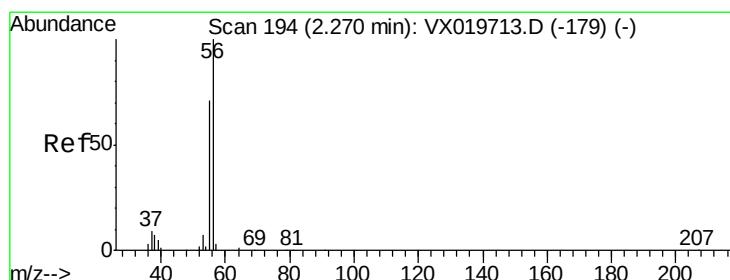
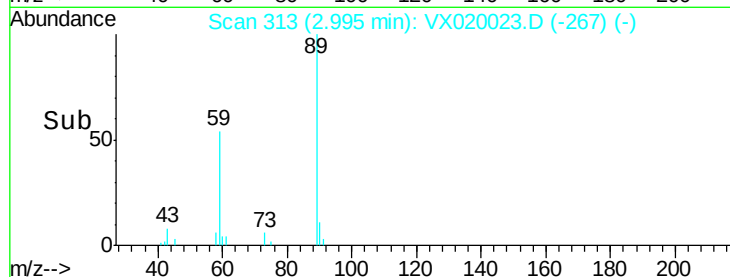
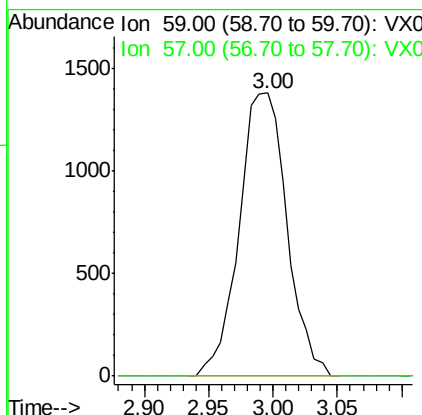
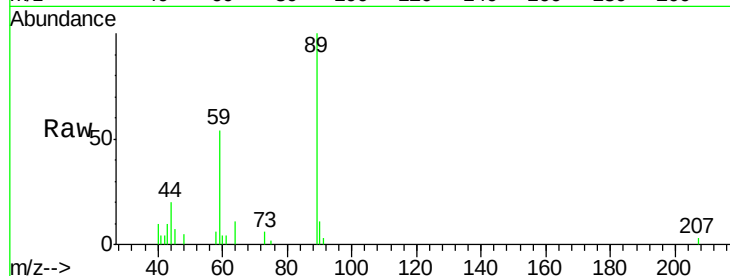


#11

Tert butyl alcohol
 Concen: 1.628 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#05

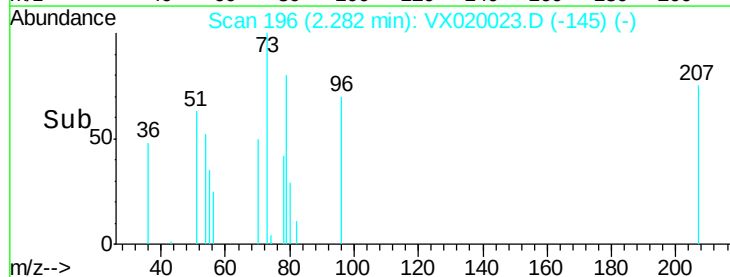
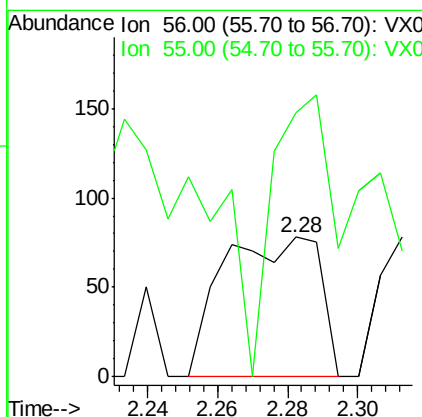
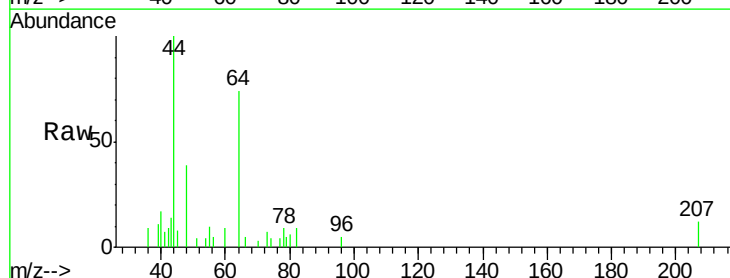
Tgt Ion: 59 Resp: 3539
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

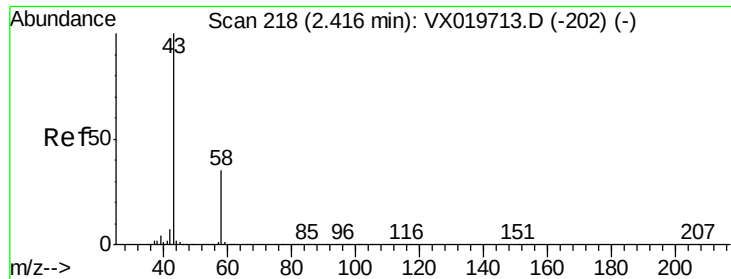


#13

Acrolein
 Concen: 0.333 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Tgt Ion: 56 Resp: 150
 Ion Ratio Lower Upper
 56 100
 55 148.0 56.4 84.6#

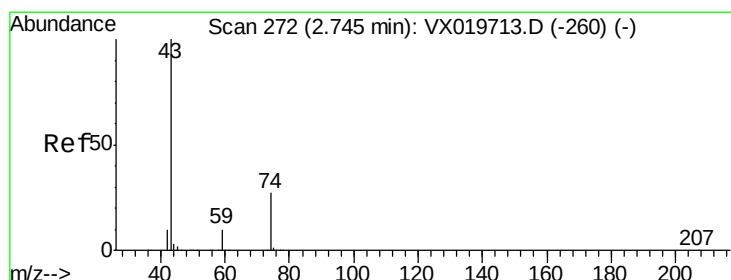
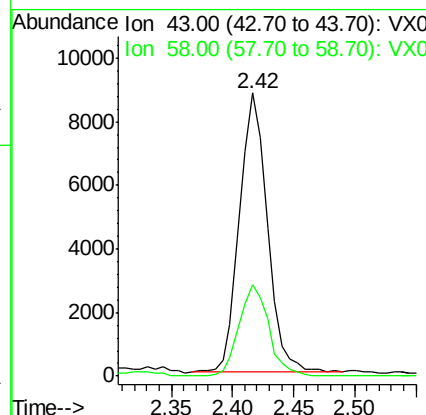
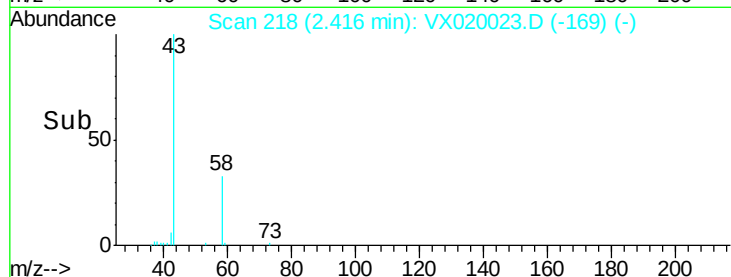
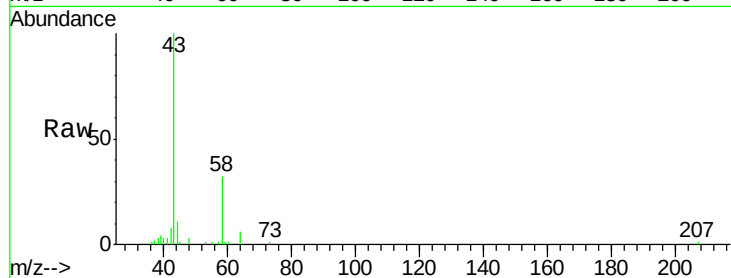




#16
Acetone
Concen: 9.081 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

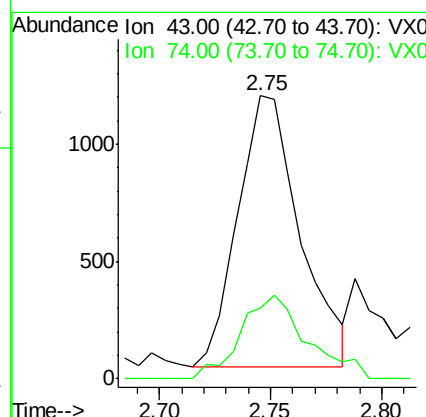
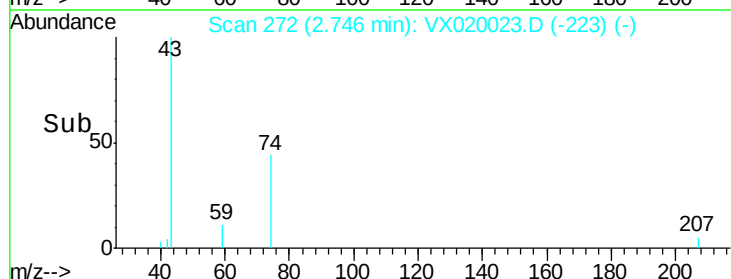
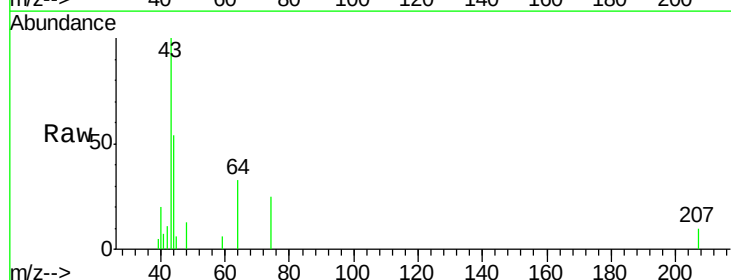
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

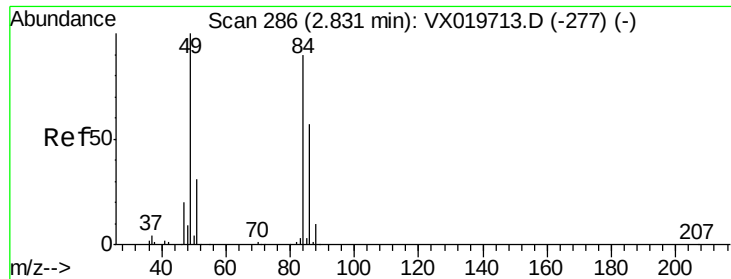
Tgt Ion: 43 Resp: 13908
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
74 33.2 21.9 32.9#

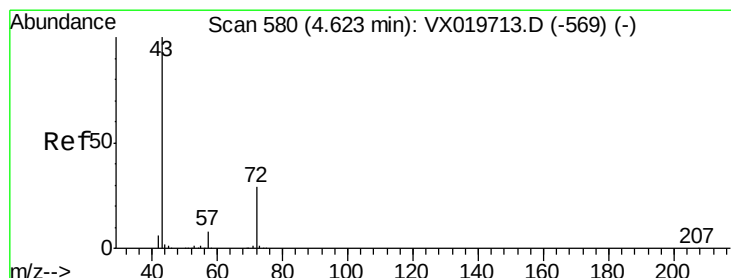
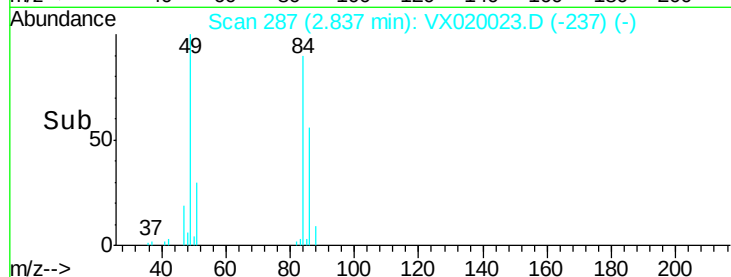
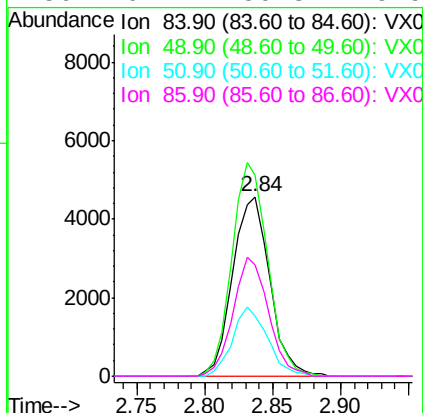
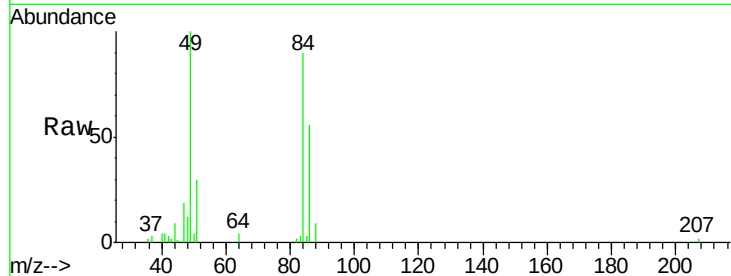




#20
Methylene Chloride
Concen: 1.106 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

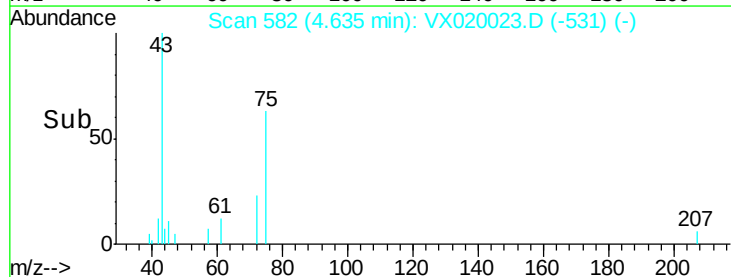
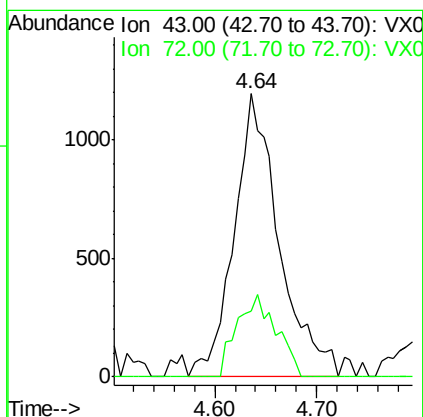
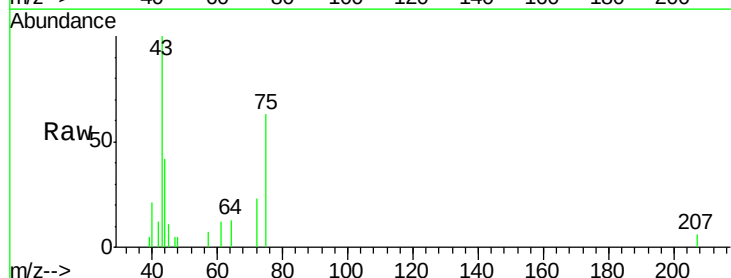
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

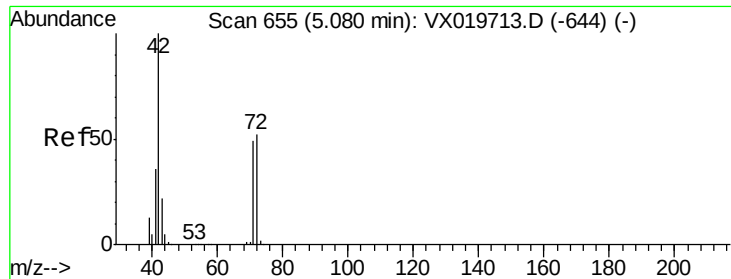
Tgt Ion: 84 Resp: 8729
Ion Ratio Lower Upper
84 100
49 111.5 88.6 132.8
51 33.2 27.0 40.6
86 62.1 50.3 75.5



#25
2-Butanone
Concen: 1.556 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
72 23.2 23.7 35.5#

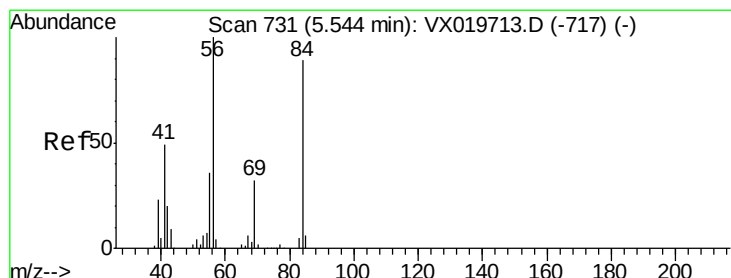
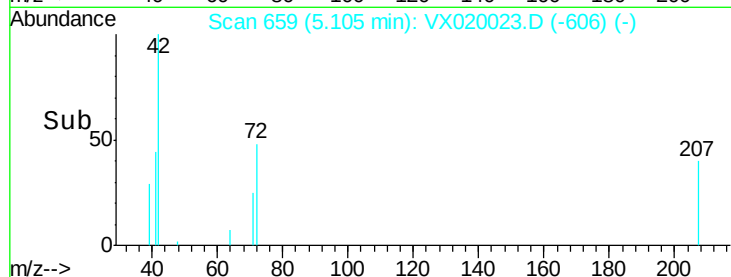
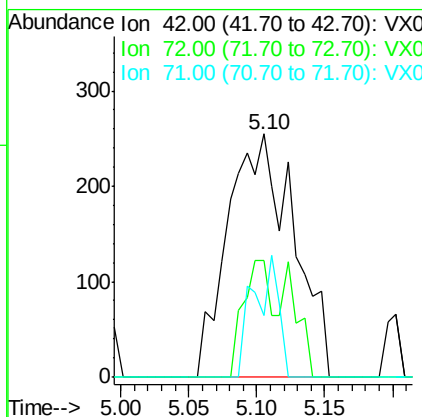
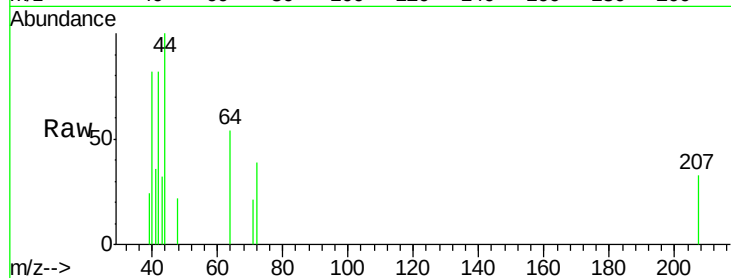




#29
Tetrahydrofuran
Concen: 0.564 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

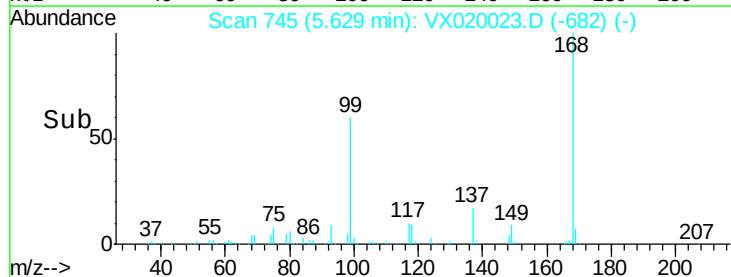
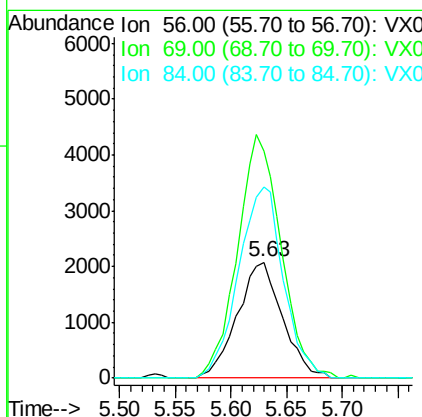
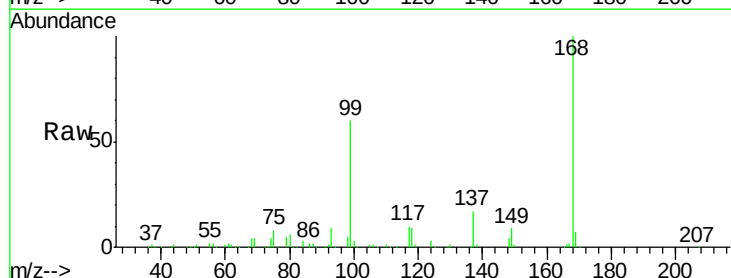
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MSVOA_X
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PB133610ZHE#05

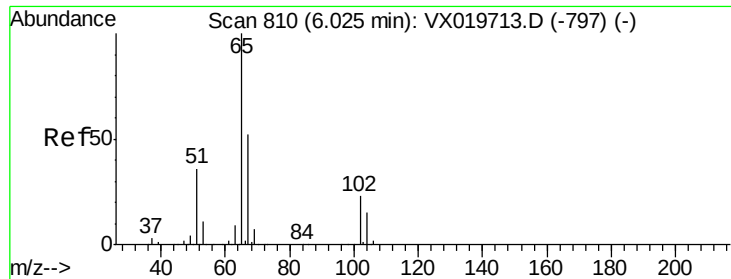
Tgt Ion: 42 Resp: 855
Ion Ratio Lower Upper
42 100
72 22.5 41.7 62.5#
71 10.8 38.4 57.6#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 56 Resp: 5851
Ion Ratio Lower Upper
56 100
69 195.7 25.3 37.9#
84 164.9 71.4 107.0#

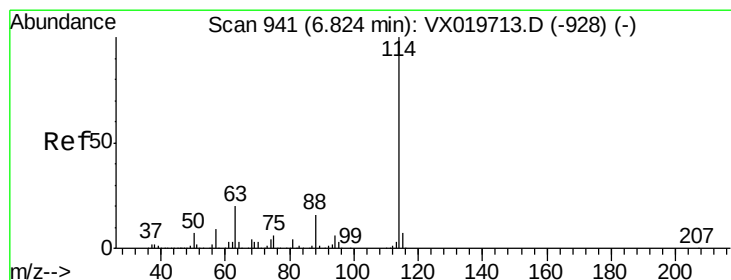
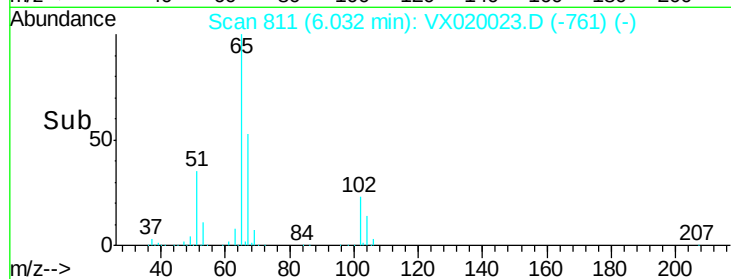
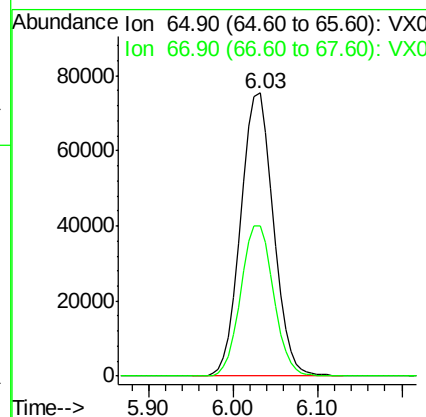
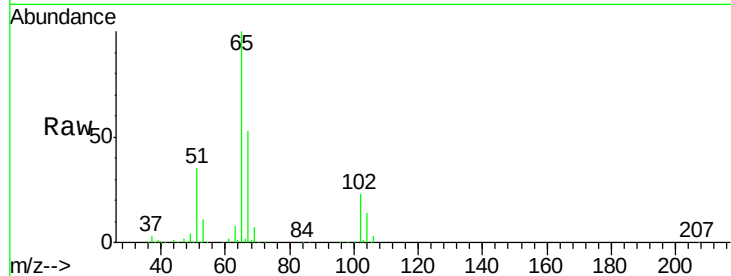




#33
 1,2-Dichloroethane-d4
 Concen: 48.566 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

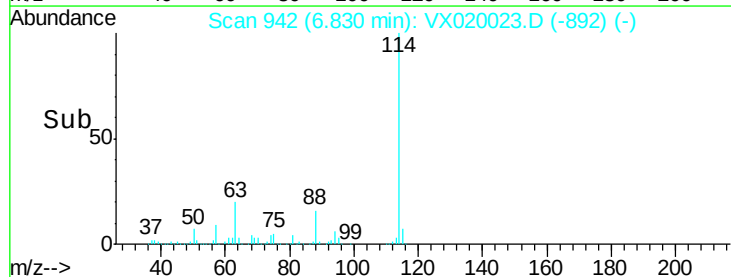
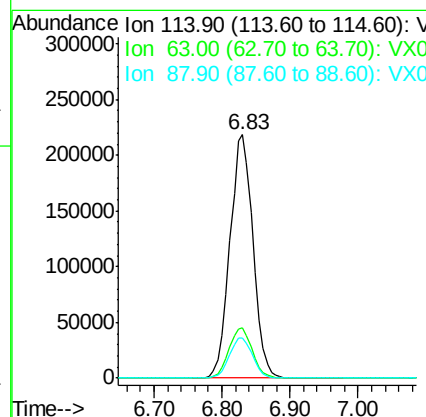
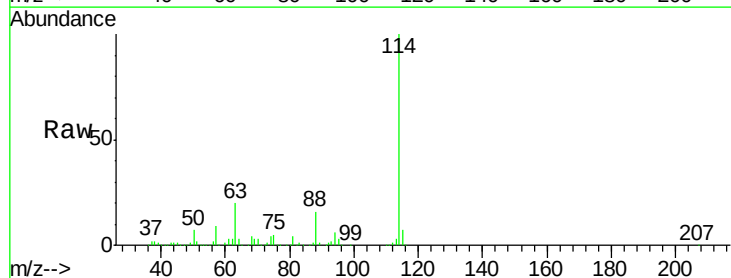
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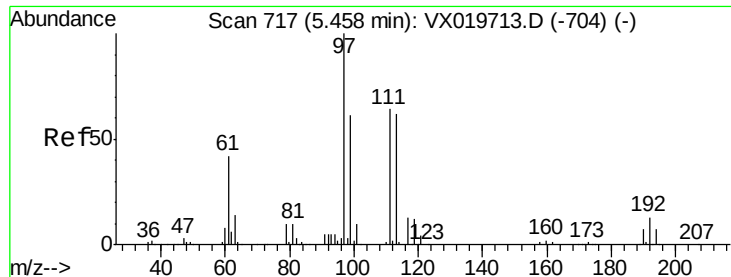
Tgt Ion: 65 Resp: 197895
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Tgt Ion: 114 Resp: 512858
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 16.3 0.0 32.8

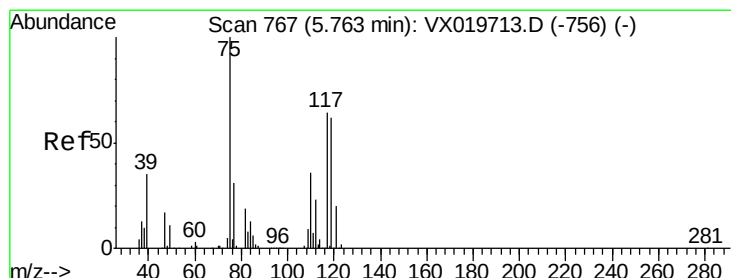
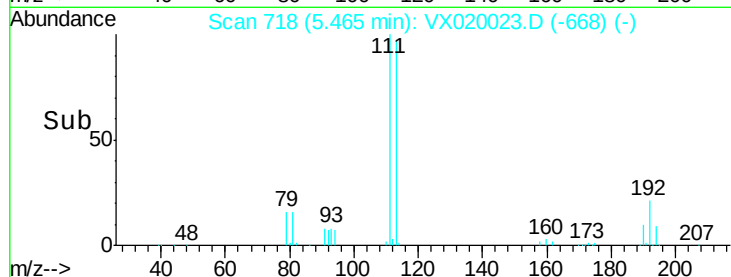
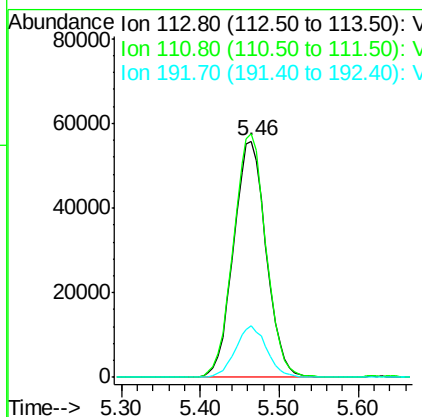
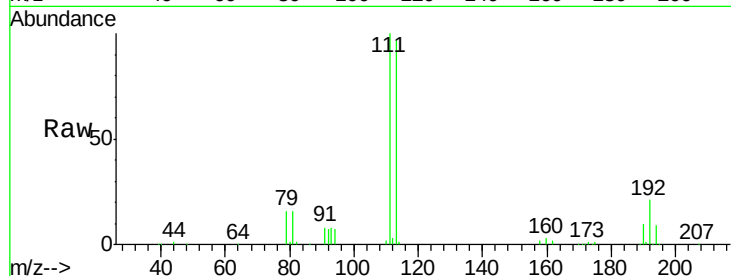




#35
 Dibromofluoromethane
 Concen: 48.454 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

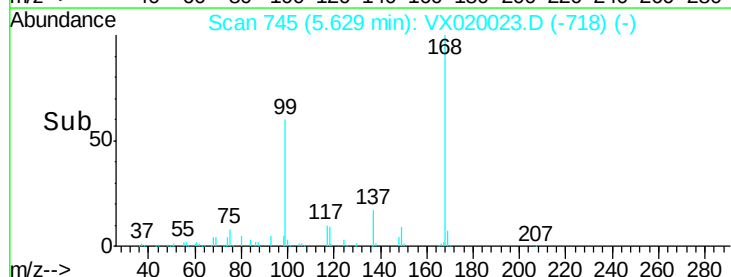
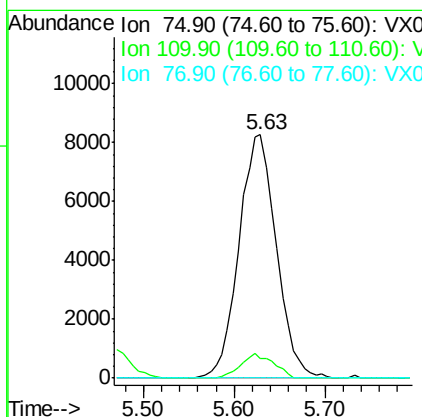
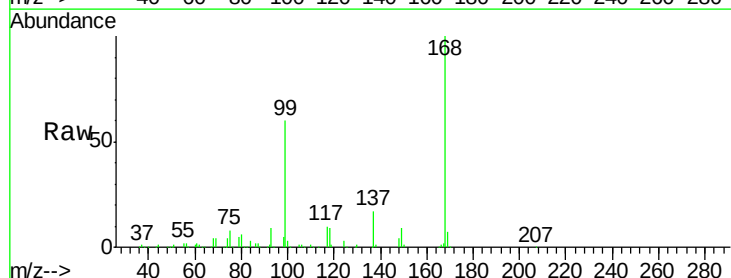
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#05

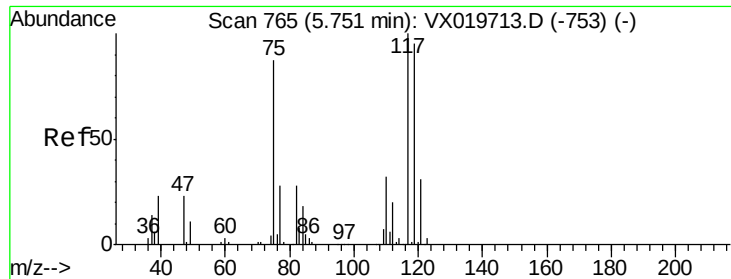
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	20.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.079 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.591 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#05

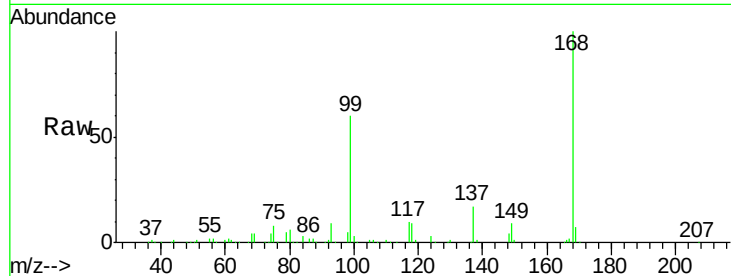
Tgt Ion:117 Resp: 29911

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

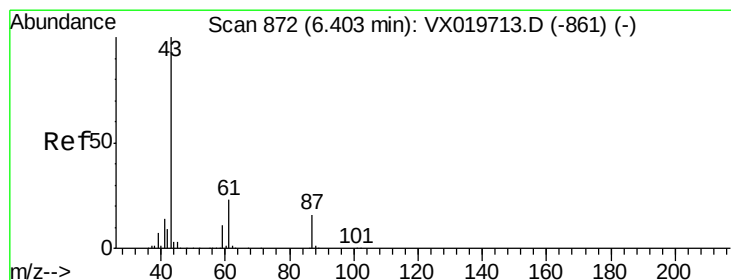
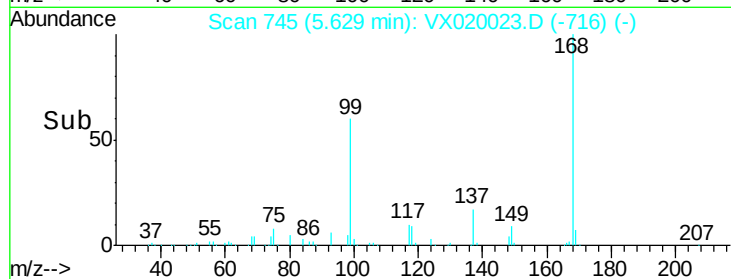
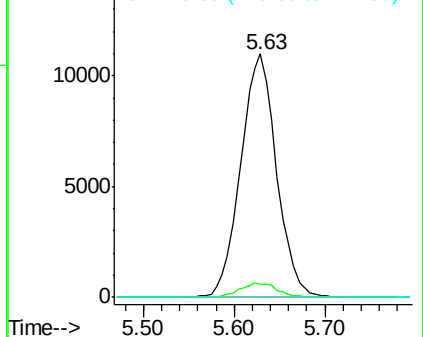
121 0.0 24.8 37.2#



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



#43

Isopropyl Acetate

Concen: 3.362 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

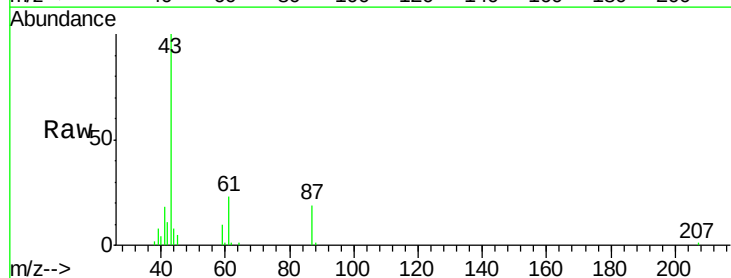
Tgt Ion: 43 Resp: 25579

Ion Ratio Lower Upper

43 100

61 23.3 18.2 27.4

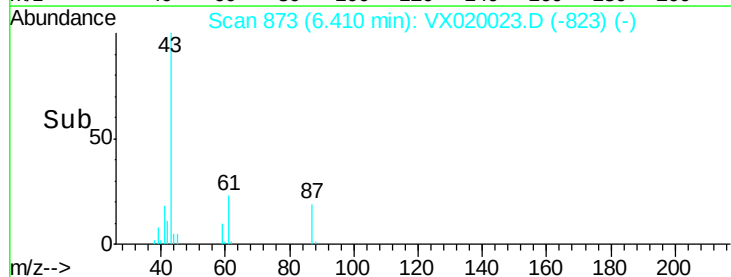
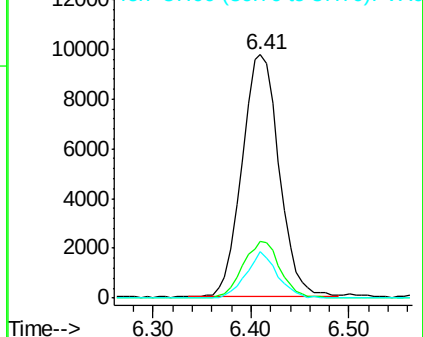
87 15.9 12.5 18.7

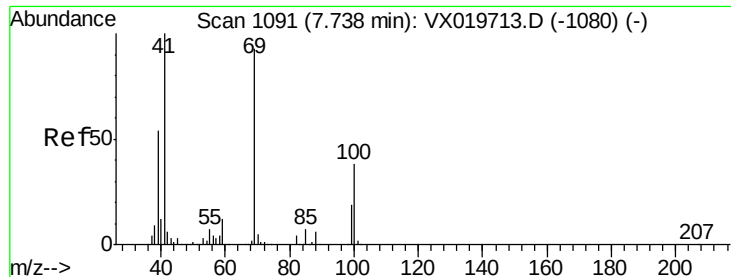


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

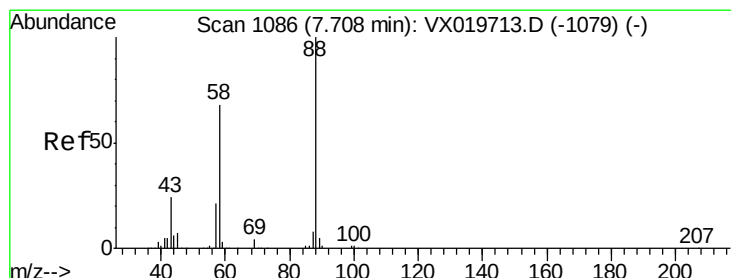
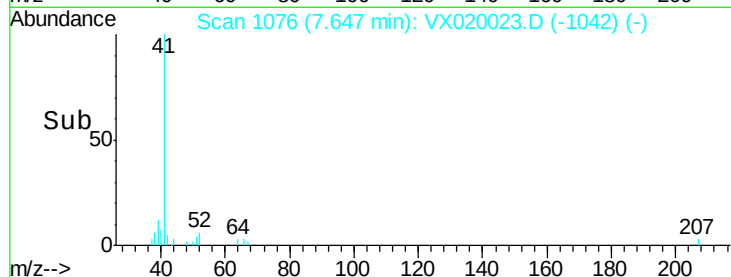
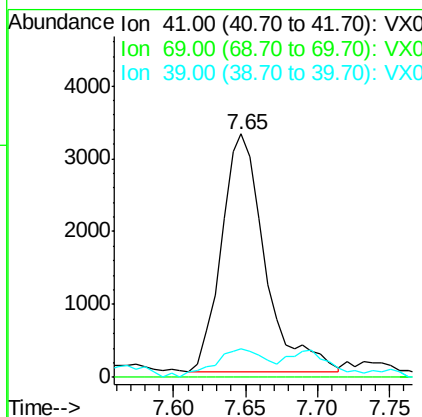
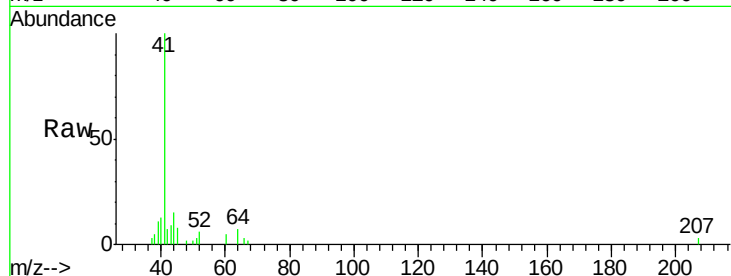




#48
Methyl methacrylate
Concen: 1.846 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

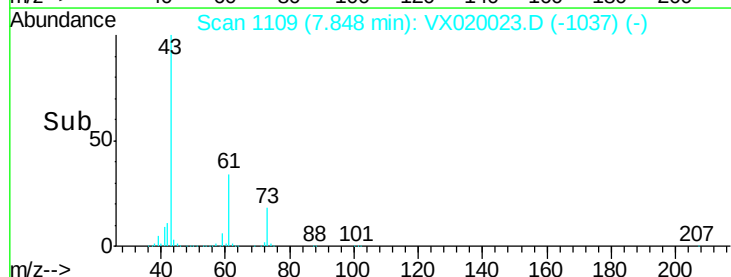
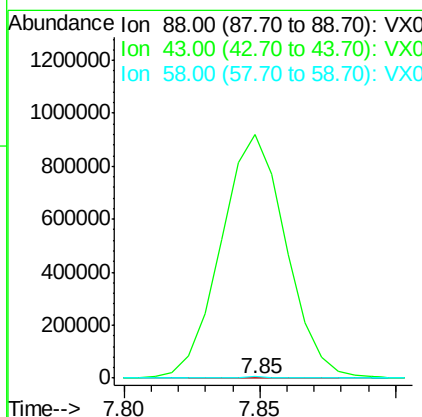
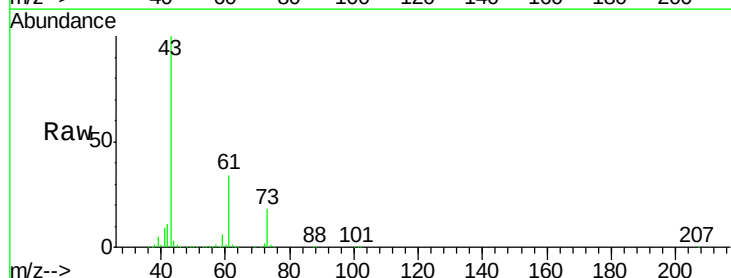
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

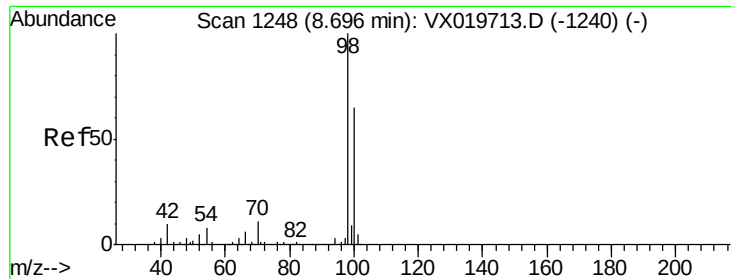
Tgt Ion: 41 Resp: 6905
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.483 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 680952.4 23.2 34.8#
58 3475.6 55.0 82.4#

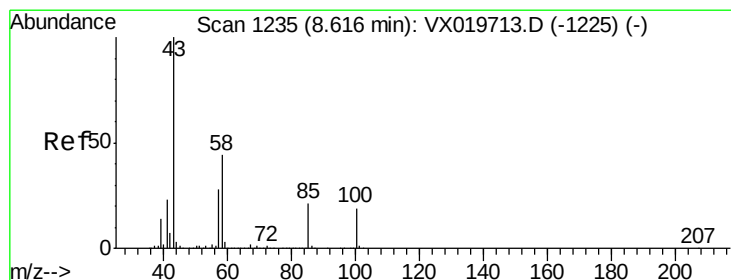
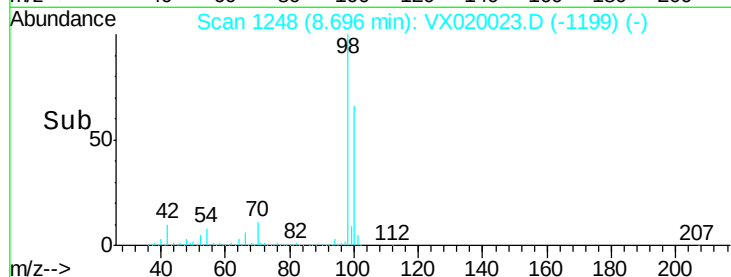
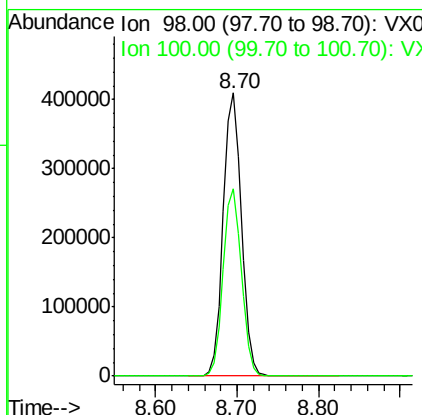
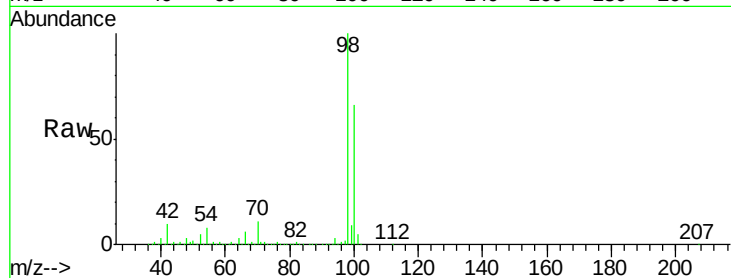




#50
Toluene-d8
Concen: 50.194 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

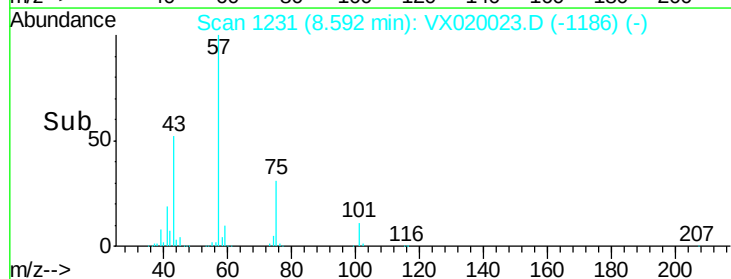
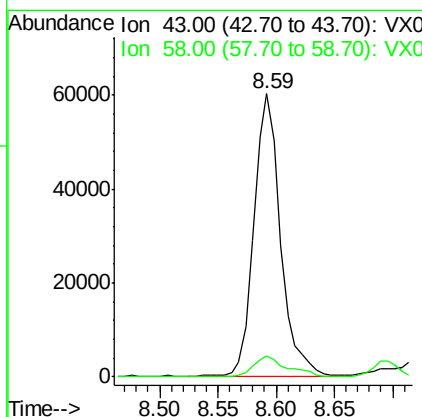
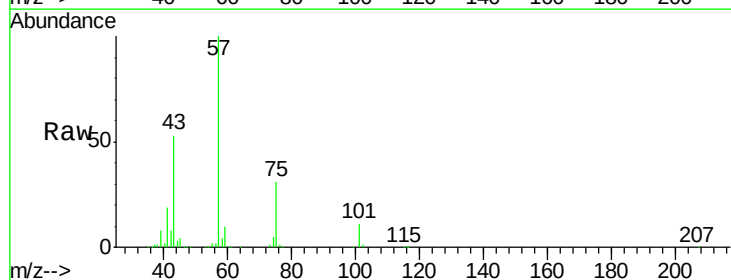
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

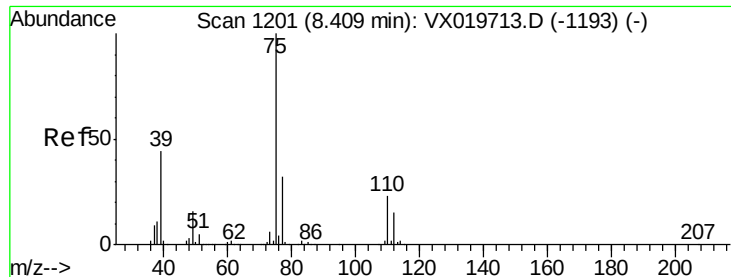
Tgt Ion: 98 Resp: 635157
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.490 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 43 Resp: 95166
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#





#54

cis-1,3-Dichloropropene

Concen: 8.979 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#05

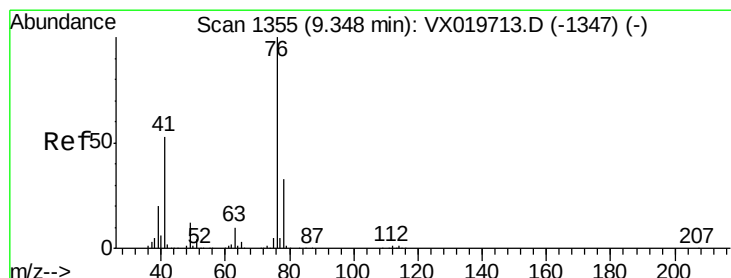
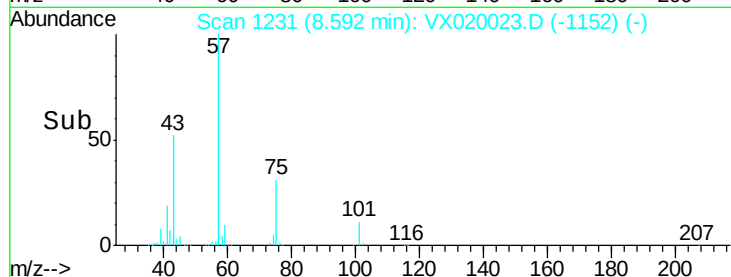
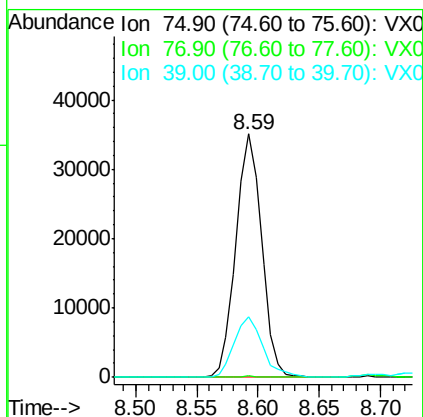
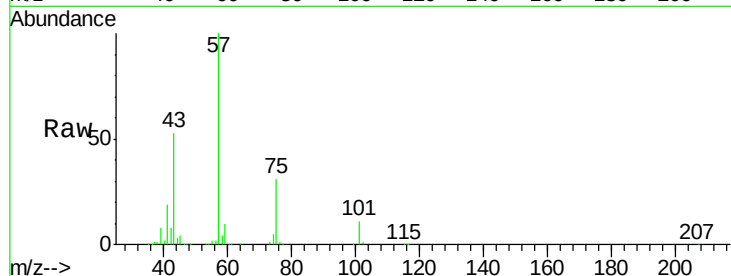
Tgt Ion: 75 Resp: 51324

Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

39 25.0 35.1 52.7#



#57

1,3-Dichloropropane

Concen: 5.236 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.17 min

Lab File: VX020023.D

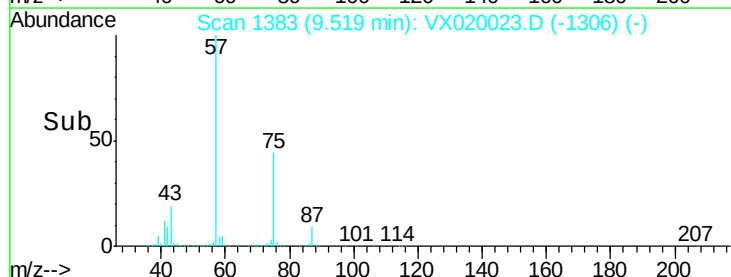
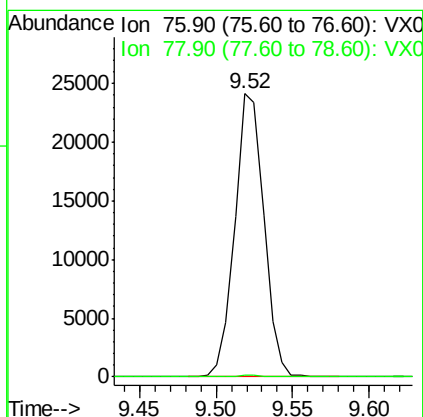
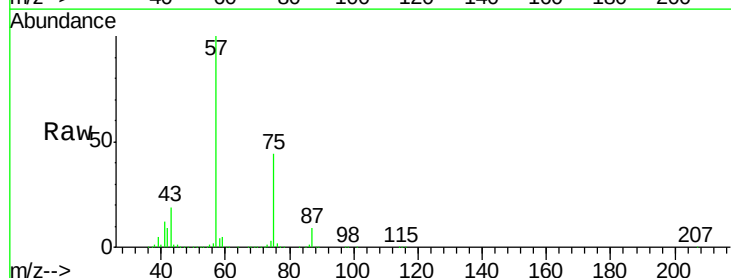
Acq: 15 Dec 2020 19:41

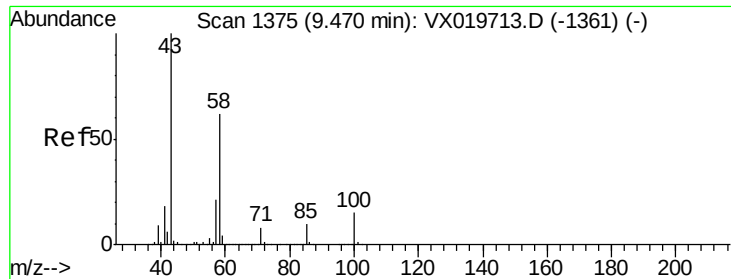
Tgt Ion: 76 Resp: 31902

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#

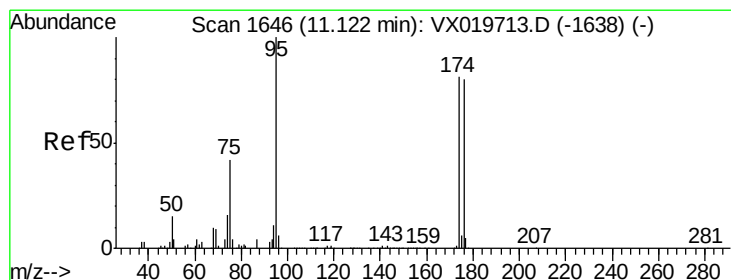
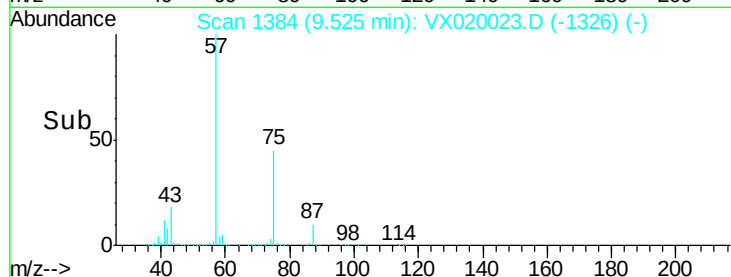
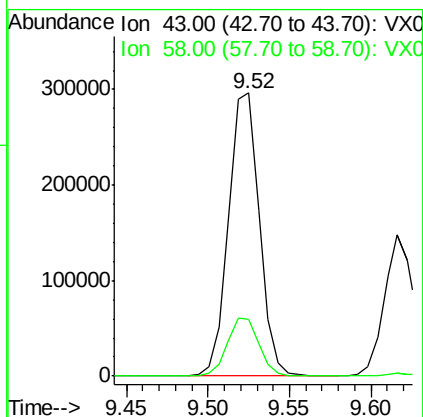
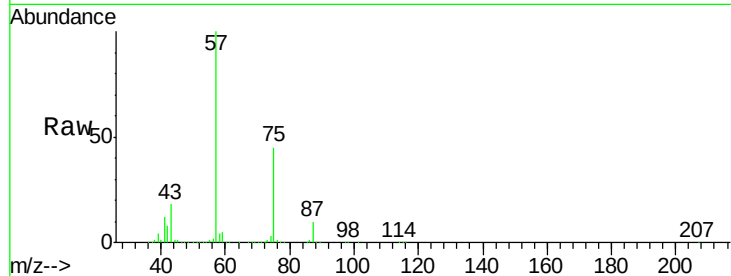




#59
2-Hexanone
Concen: 108.085 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.06 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

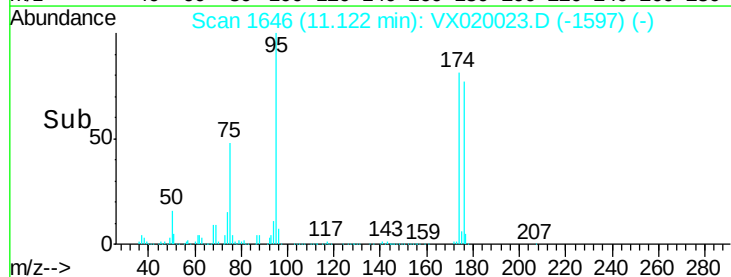
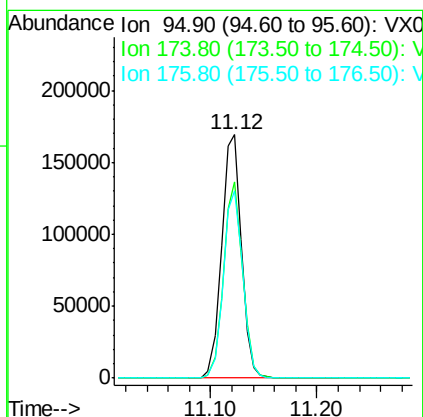
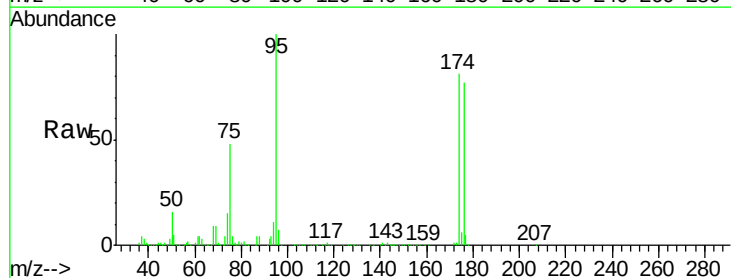
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

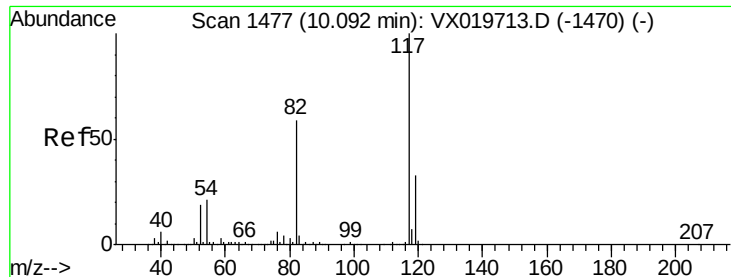
Tgt Ion: 43 Resp: 389119
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.492 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion: 95 Resp: 219104
Ion Ratio Lower Upper
95 100
174 77.6 0.0 154.6
176 76.0 0.0 155.8

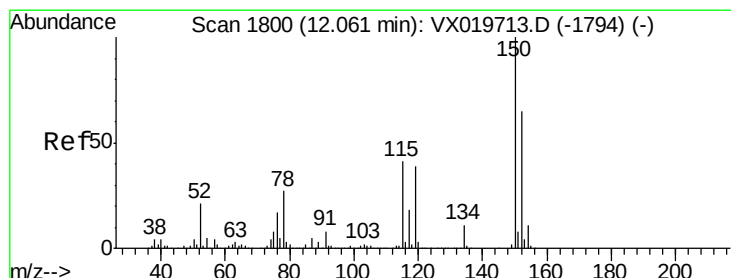
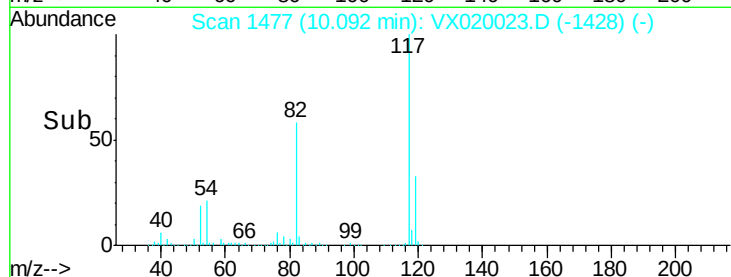
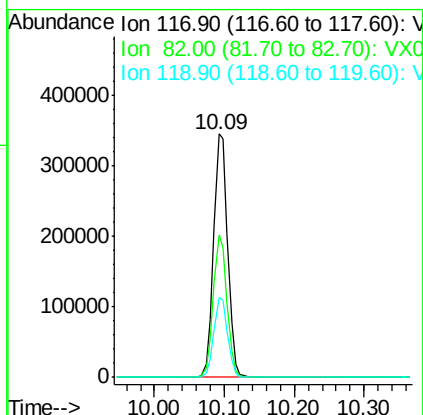
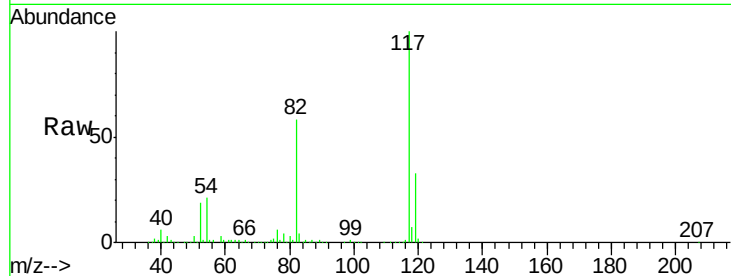




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

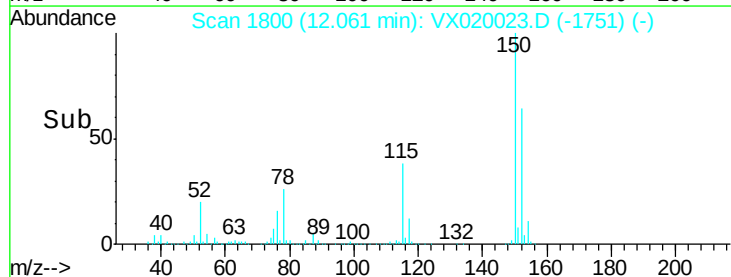
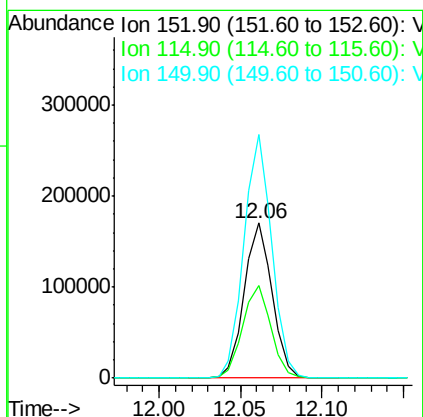
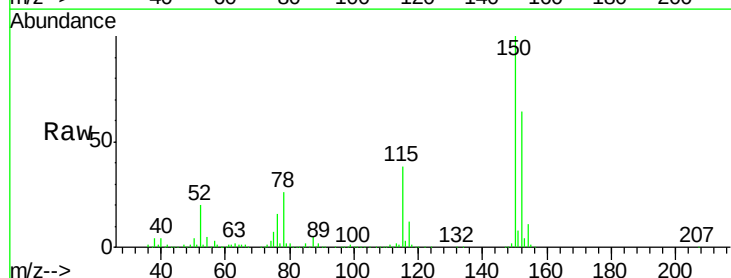
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#05

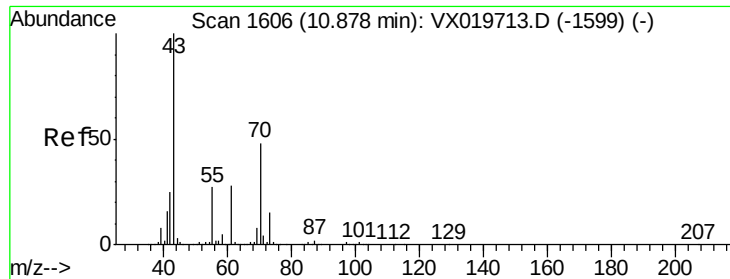
Tgt Ion:117 Resp: 480429
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020023.D
Acq: 15 Dec 2020 19:41

Tgt Ion:152 Resp: 204066
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 156.8 0.0 349.0





#74

N-ethyl acetate

Concen: 3.195 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020023.D

Acq: 15 Dec 2020 19:41

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#05

Tgt Ion: 43 Resp: 17853

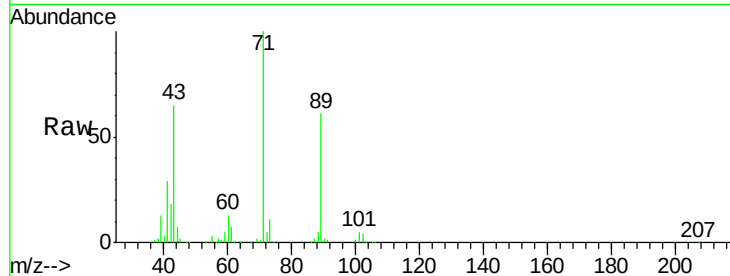
Ion Ratio Lower Upper

43 100

70 2.3 39.0 58.6#

55 4.5 21.5 32.3#

61 12.1 22.1 33.1#

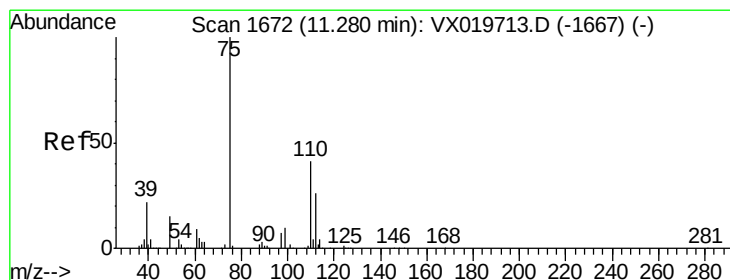
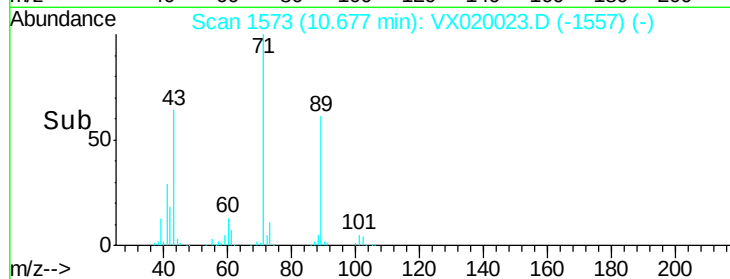
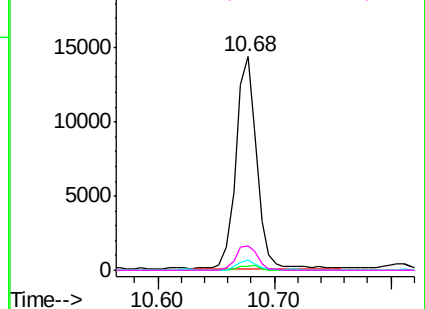


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.358 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020023.D

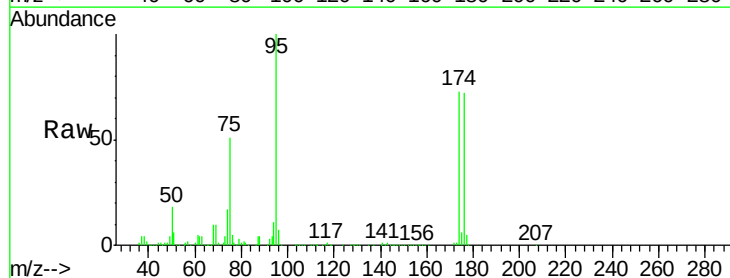
Acq: 15 Dec 2020 19:41

Tgt Ion: 75 Resp: 106908

Ion Ratio Lower Upper

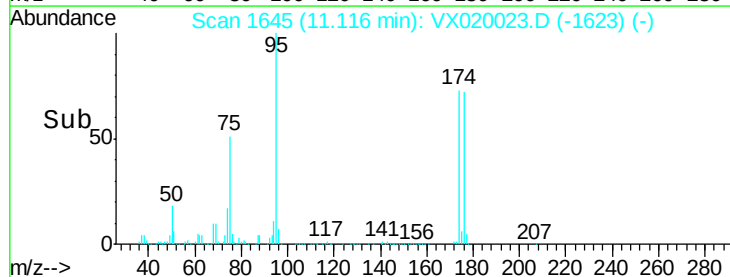
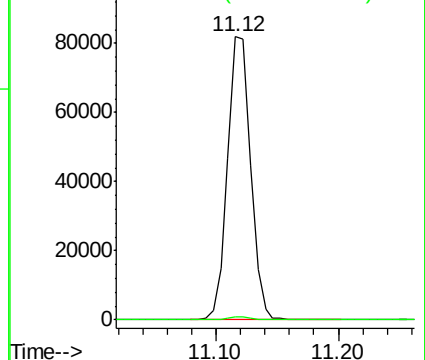
75 100

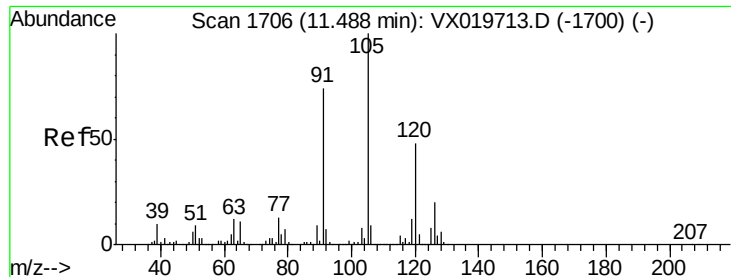
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

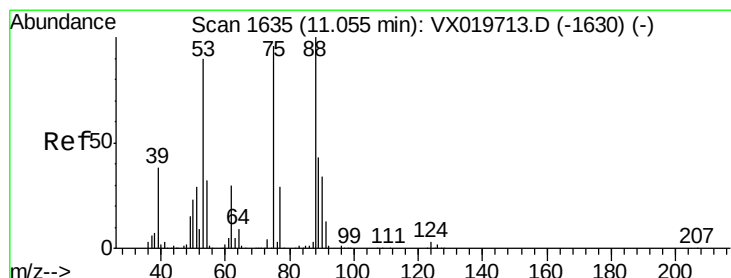
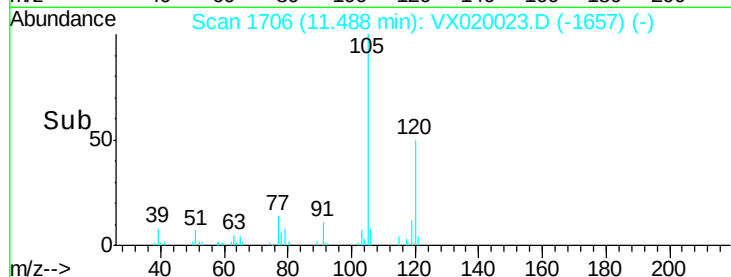
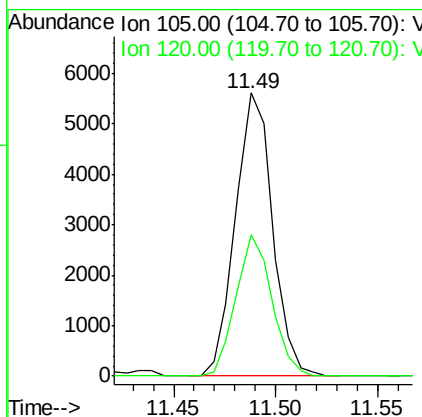
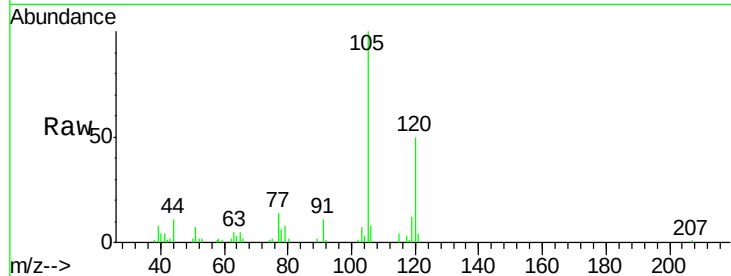




#80
 1,3,5-Trimethylbenzene
 Concen: 0.601 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#05

Tgt Ion: 105 Resp: 7070
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.525 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020023.D
 Acq: 15 Dec 2020 19:41

Tgt Ion: 75 Resp: 106908
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

