

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019518.D
 Acq On : 21 Nov 2020 01:36
 Operator : JC/MD
 Sample : PB133122ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133122ZHE#03

Quant Time: Nov 21 05:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	286504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	466195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	406450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	168126	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	177635	47.82	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.64%	
35) Dibromofluoromethane		5.46	113	142881	48.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.66%	
50) Toluene-d8		8.70	98	556508	48.94	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.88%	
62) 4-Bromofluorobenzene		11.12	95	183878	44.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.88%	

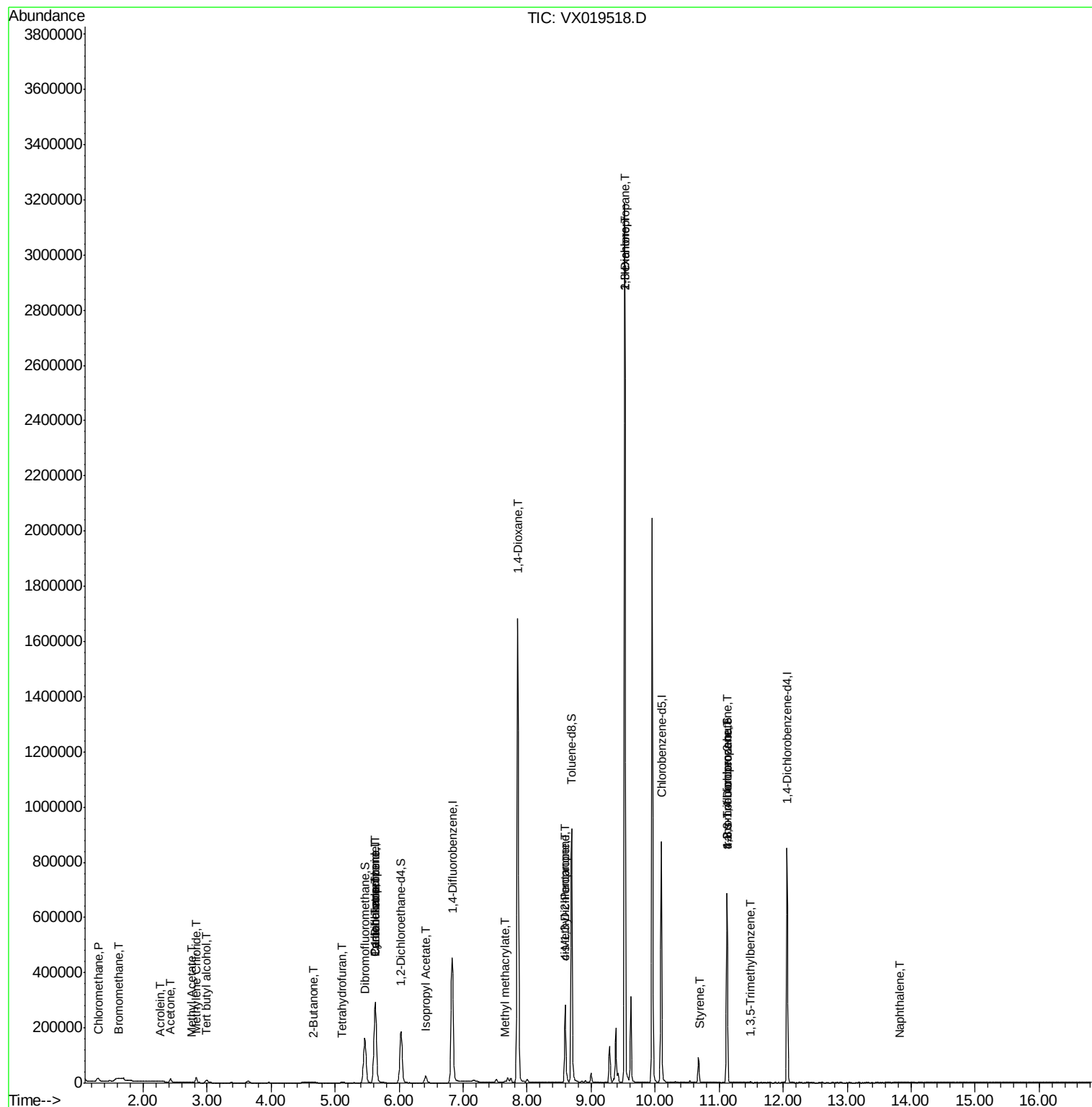
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	653	0.204	ug/l #	81
5) Bromomethane	1.62	94	290	0.222	ug/l	98
6) Chloroethane	1.73	64	816	Below Cal	#	41
11) Tert butyl alcohol	2.99	59	7253	10.317	ug/l #	74
13) Acrolein	2.28	56	367	0.777	ug/l #	28
16) Acetone	2.43	43	14649	10.197	ug/l	96
18) Methyl Acetate	2.75	43	3651	1.658	ug/l	97
20) Methylene Chloride	2.83	84	8646	2.408	ug/l	96
25) 2-Butanone	4.65	43	2982	1.382	ug/l	95
29) Tetrahydrofuran	5.11	42	1607	1.167	ug/l #	75
31) Cyclohexane	5.63	56	5745	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22023	5.039	ug/l #	50
38) Carbon Tetrachloride	5.63	117	28265	6.681	ug/l #	16
43) Isopropyl Acetate	6.42	43	31767	4.606	ug/l	99
48) Methyl methacrylate	7.65	41	6926	2.144	ug/l #	9
49) 1,4-Dioxane	7.85	88	327	4.459	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	95977	23.863	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50380	9.574	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	28459	5.081	ug/l #	43
59) 2-Hexanone	9.52	43	340385	111.588	ug/l #	47
70) Styrene	10.70	104	337	1.680	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	90723	24.726	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	2429	0.249	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	90723	65.363	ug/l #	12
95) Naphthalene	13.82	128	598	2.224	ug/l #	73

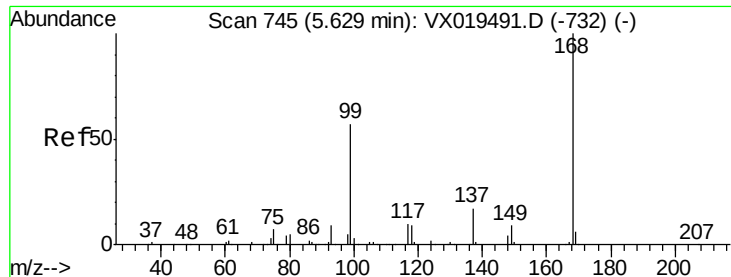
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019518.D
Acq On : 21 Nov 2020 01:36
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB133122ZHE#03

Quant Time: Nov 21 05:34:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 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: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

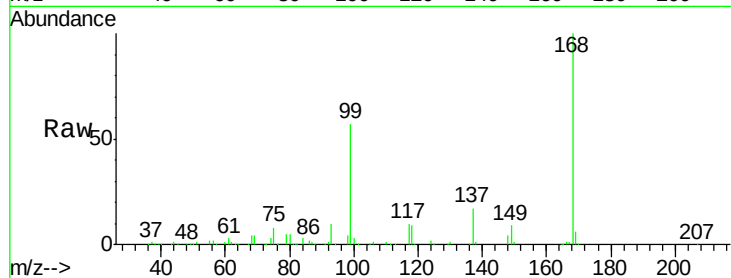
PB133122ZHE#03

Tot Ion:168 Resp: 286504

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

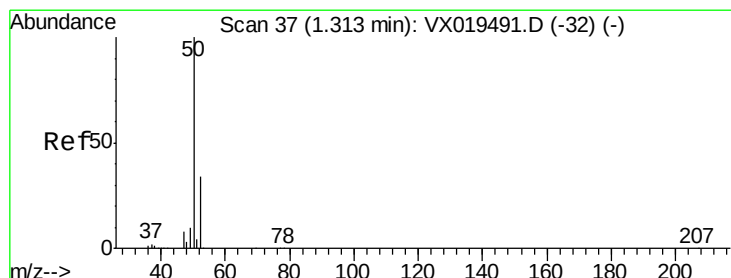
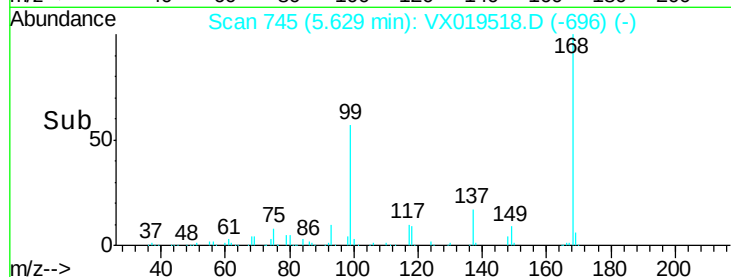
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019518.D

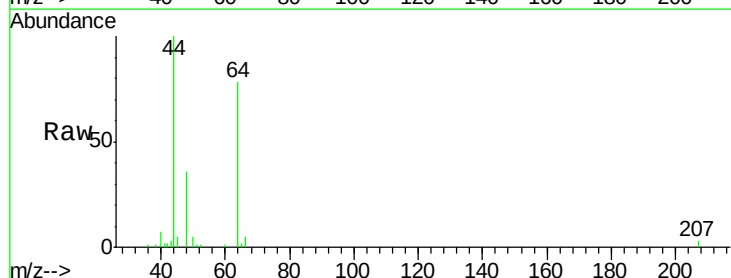
Acq: 21 Nov 2020 01:36

Tgt Ion: 50 Resp: 653

Ion Ratio Lower Upper

50 100

52 23.2 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

300

250

200

150

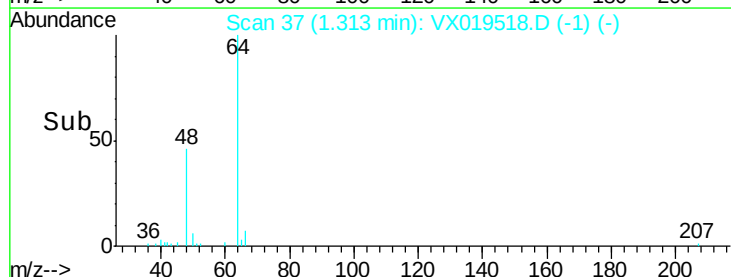
100

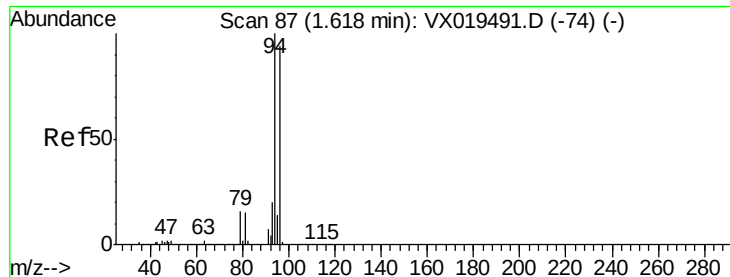
50

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.222 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

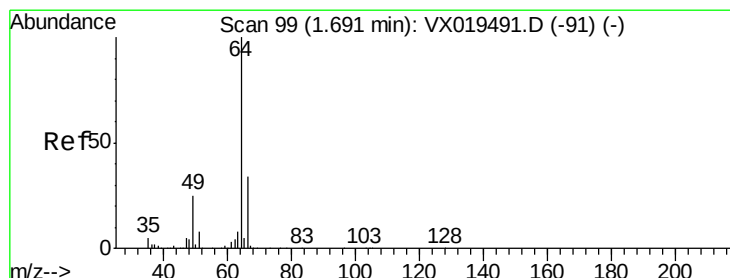
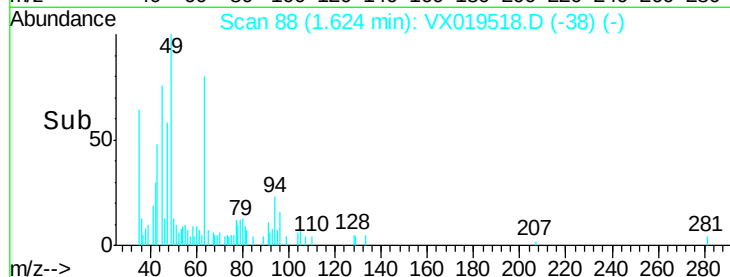
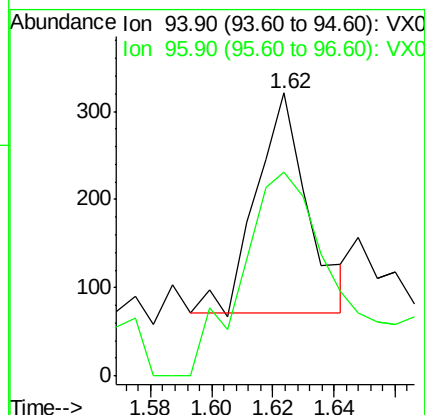
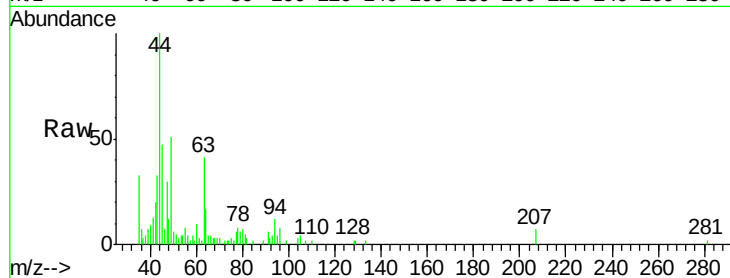
PB133122ZHE#03

Tot Ion: 94 Resp: 290

Ion Ratio Lower Upper

94 100

96 92.8 75.6 113.4



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 105

Delta R.T. 0.04 min

Lab File: VX019518.D

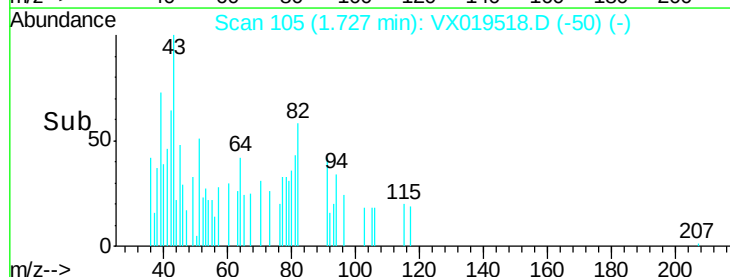
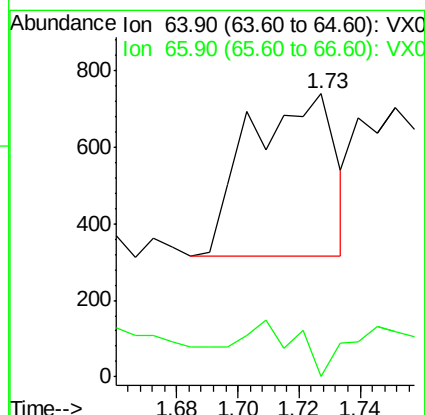
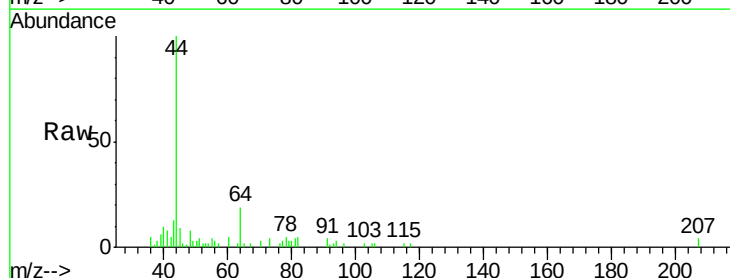
Acq: 21 Nov 2020 01:36

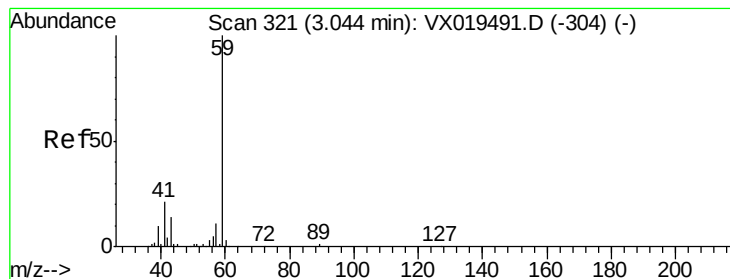
Tgt Ion: 64 Resp: 816

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



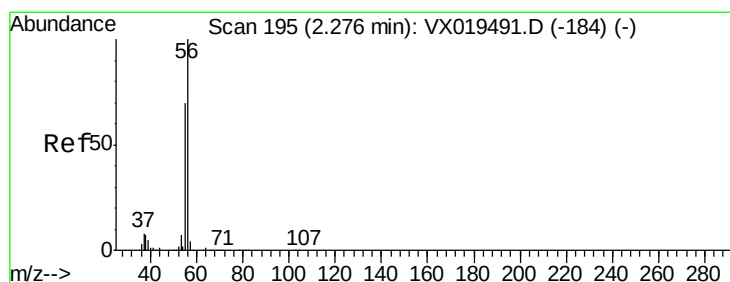
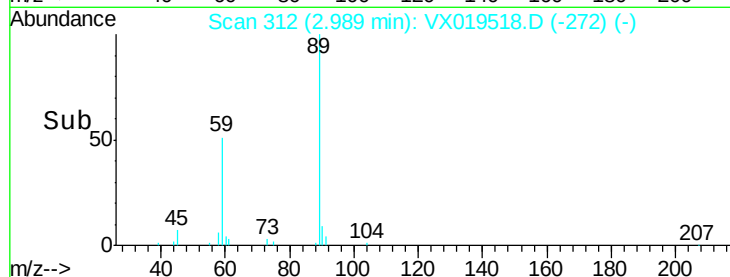
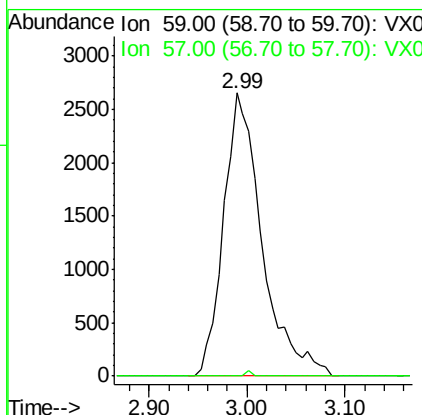
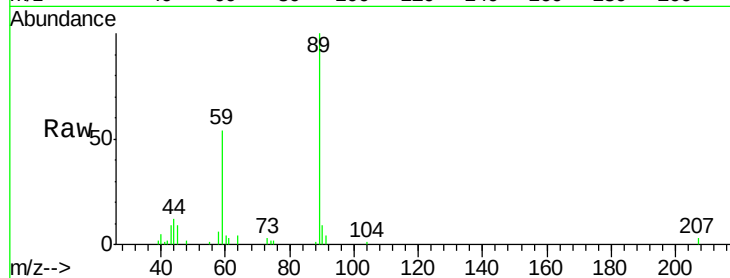


#11

Tert butyl alcohol
 Concen: 10.317 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133122ZHE#03

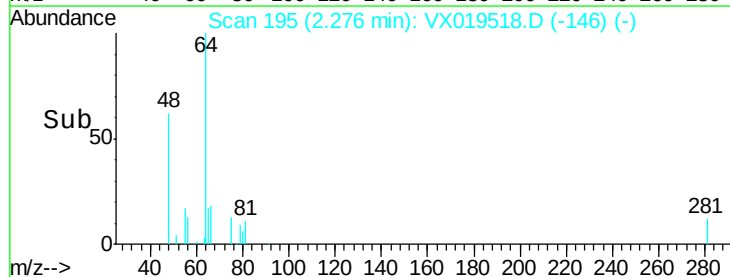
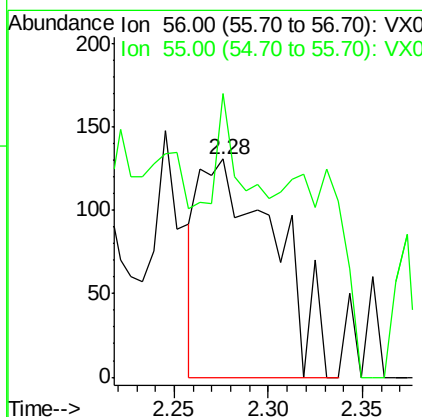
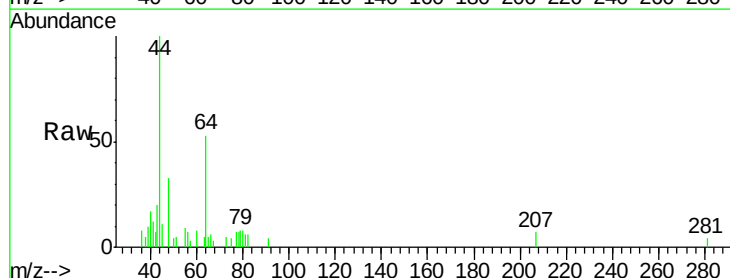
Tot Ion: 59 Resp: 7253
 Ion Ratio Lower Upper
 59 100
 57 0.3 7.9 11.9#

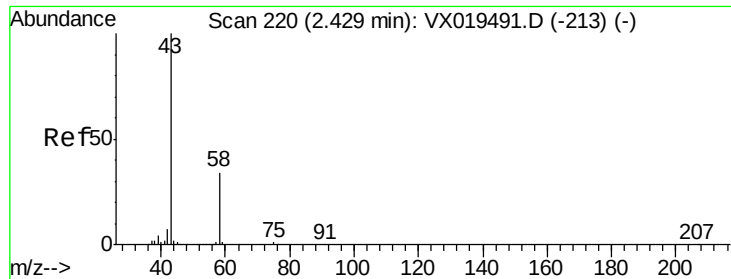


#13

Acrolein
 Concen: 0.777 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

Tgt Ion: 56 Resp: 367
 Ion Ratio Lower Upper
 56 100
 55 10.4 55.5 83.3#





#16

Acetone

Concen: 10.197 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

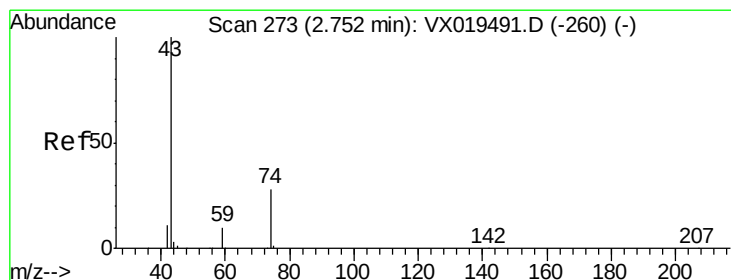
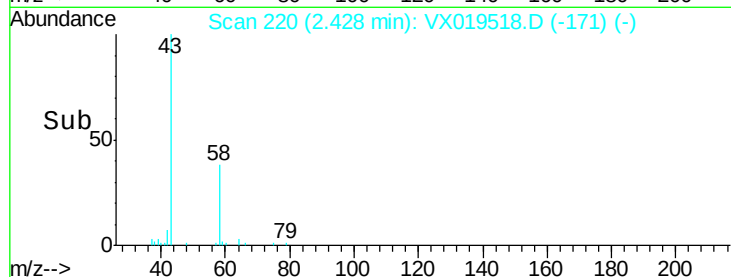
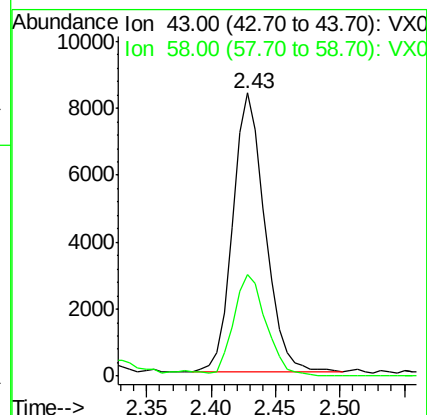
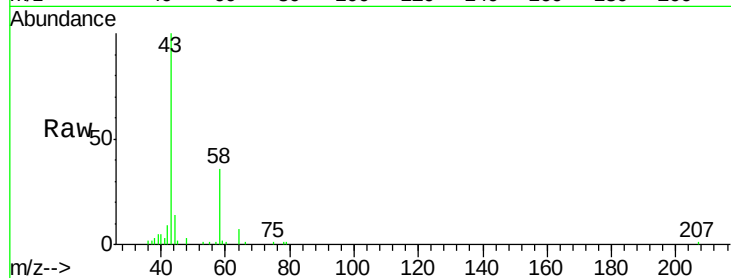
PB133122ZHE#03

Tot Ion: 43 Resp: 14649

Ion Ratio Lower Upper

43 100

58 36.6 27.4 41.2



#18

Methyl Acetate

Concen: 1.658 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019518.D

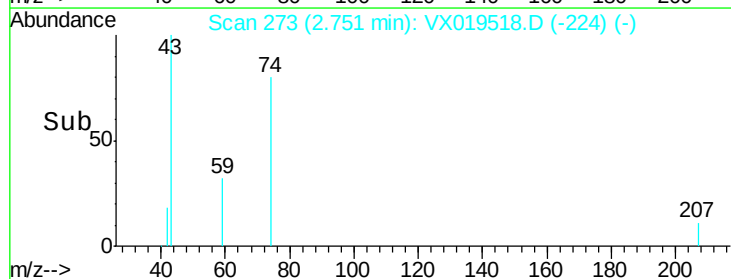
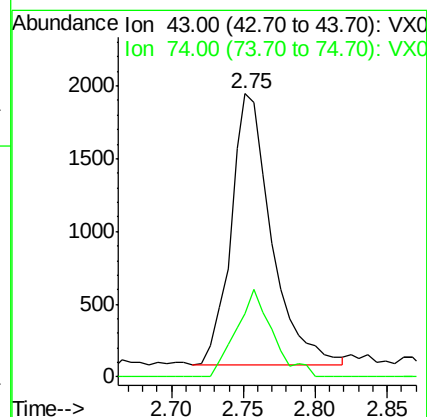
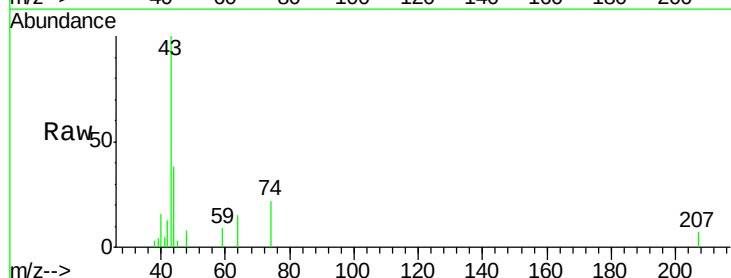
Acq: 21 Nov 2020 01:36

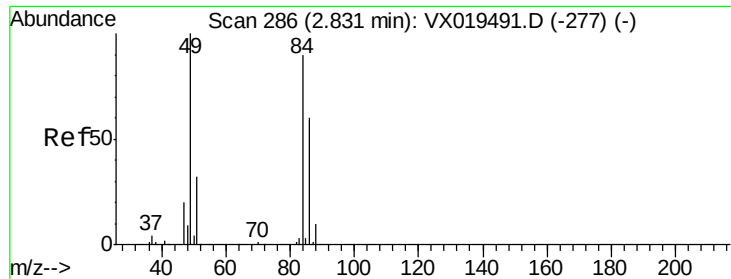
Tgt Ion: 43 Resp: 3651

Ion Ratio Lower Upper

43 100

74 29.1 22.2 33.4

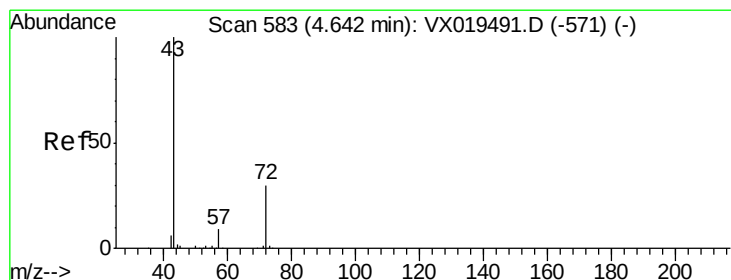
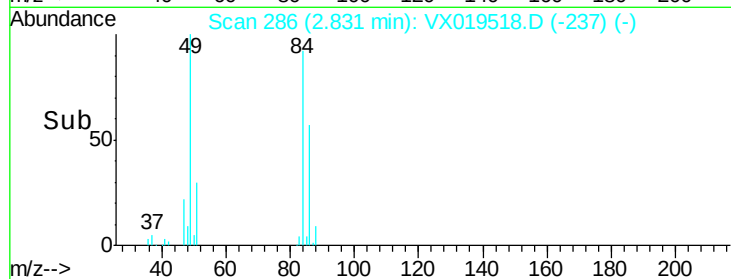
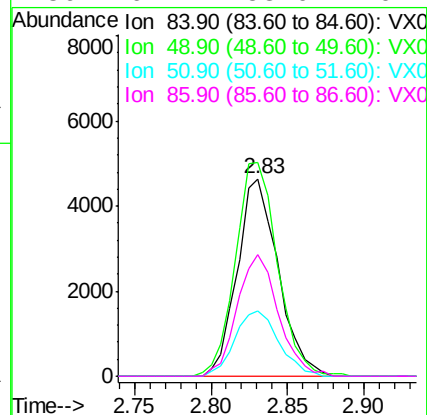
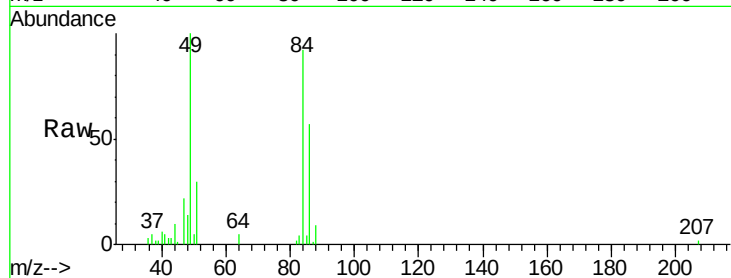




#20
Methvlene Chloride
Concen: 2.408 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

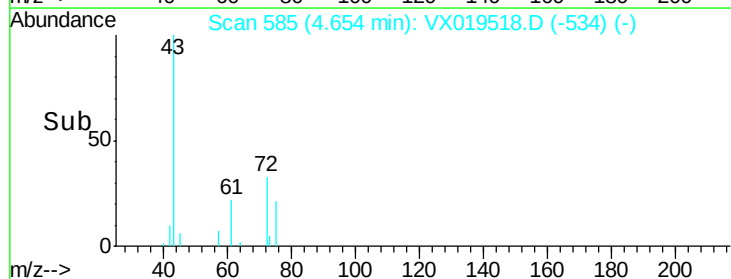
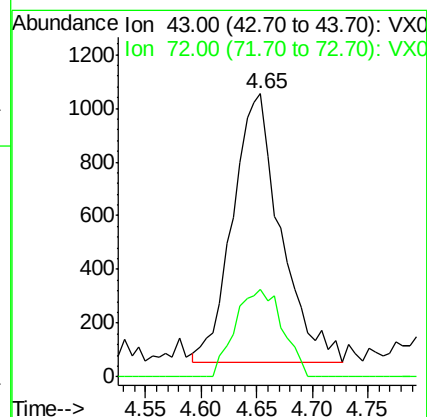
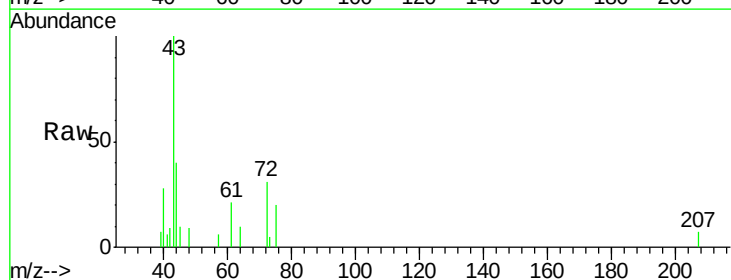
Instrument :
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PB133122ZHE#03

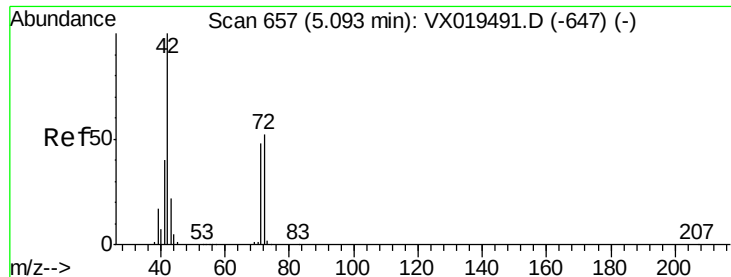
Tot Ion:	84	Resp:	8646
Ion	Ratio	Lower	Upper
84	100		
49	108.2	88.5	132.7
51	32.9	28.0	42.0
86	61.7	53.0	79.4



#25
2-Butanone
Concen: 1.382 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion:	43	Resp:	2982
Ion	Ratio	Lower	Upper
43	100		
72	32.8	24.0	36.0

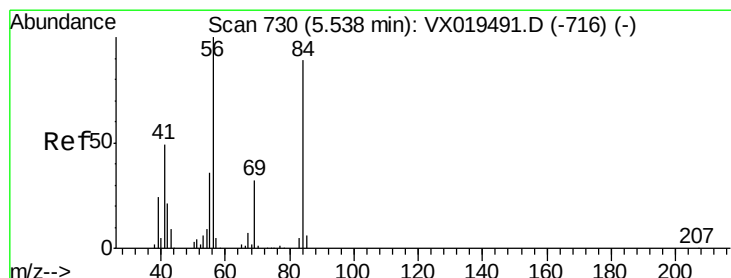
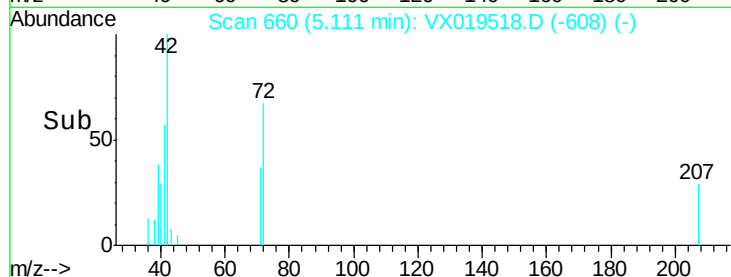
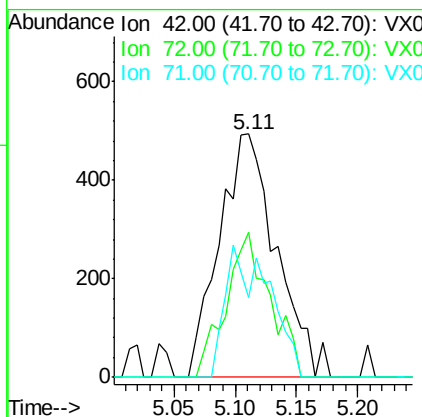
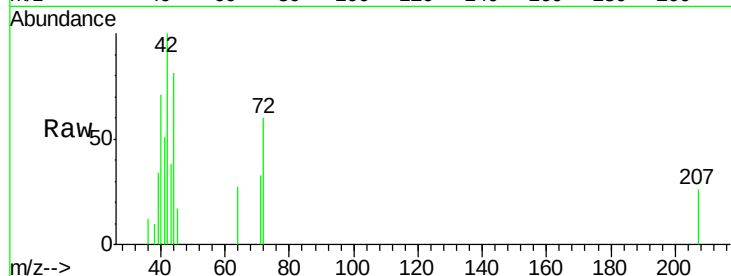




#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

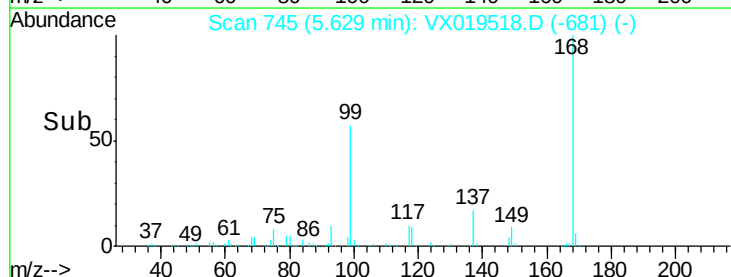
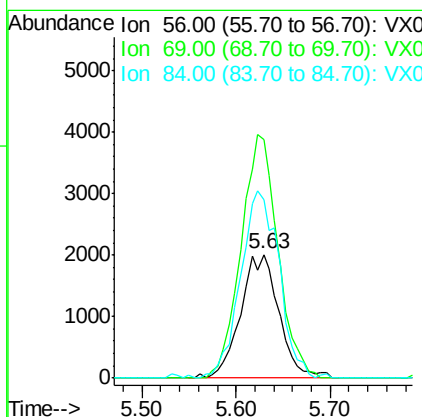
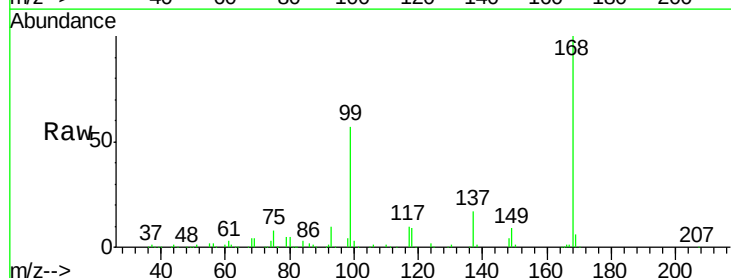
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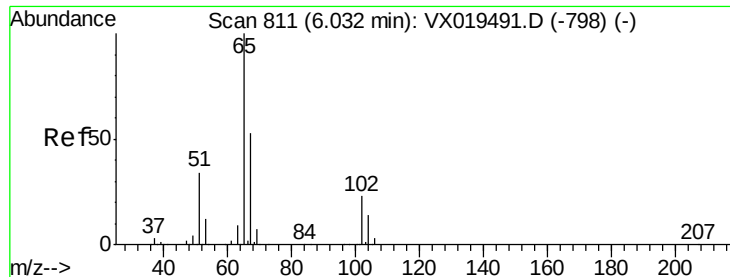
Tot Ion: 42 Resp: 1607
Ion Ratio Lower Upper
42 100
72 45.7 42.6 63.8
71 20.7 39.0 58.6#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion: 56 Resp: 5745
Ion Ratio Lower Upper
56 100
69 192.8 25.5 38.3#
84 143.7 71.1 106.7#

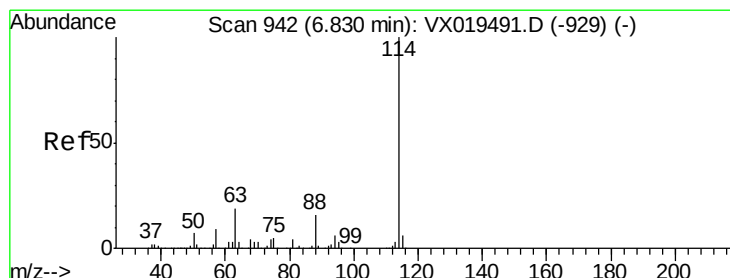
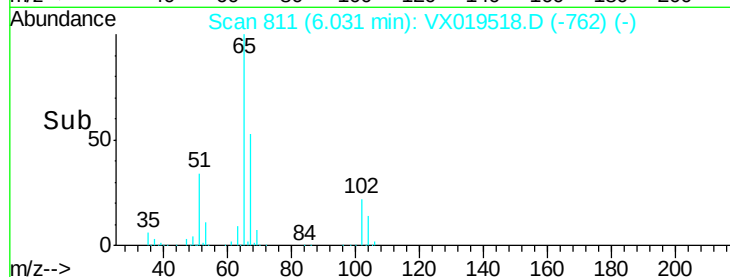
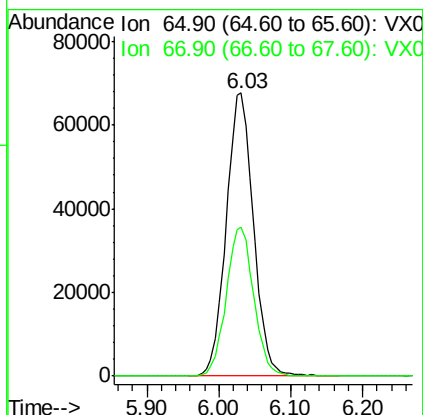
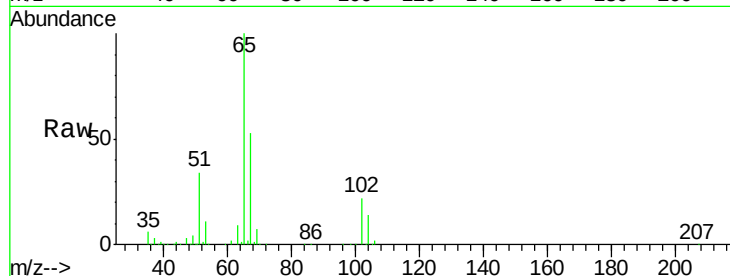




#33
 1,2-Dichloroethane-d4
 Concen: 47.819 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

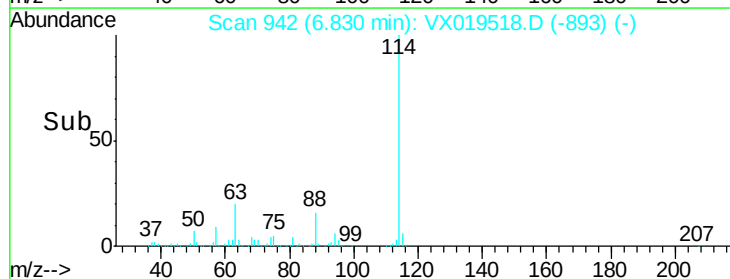
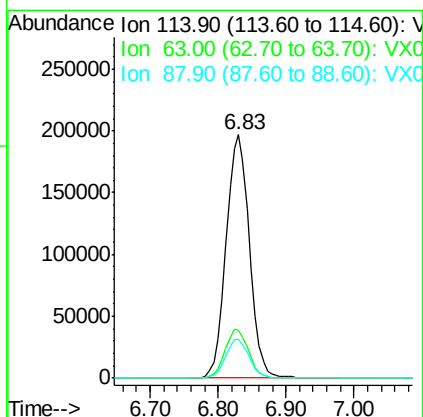
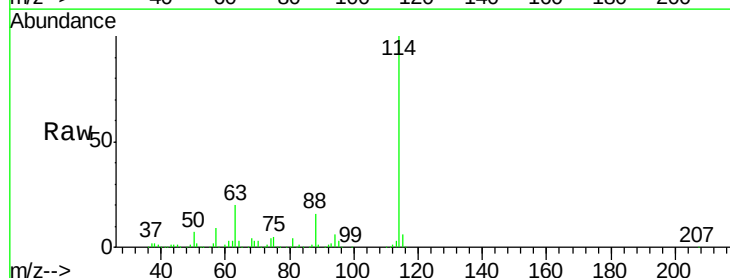
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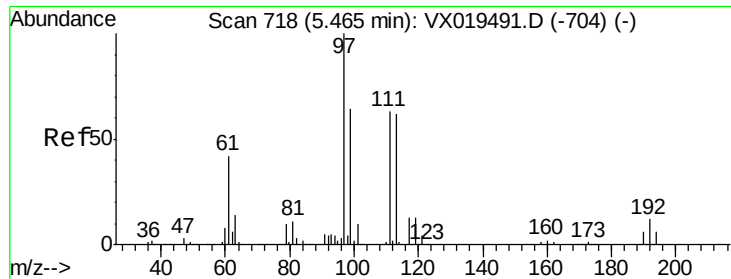
Tot Ion: 65 Resp: 177635
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

Tgt Ion: 114 Resp: 466195
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.826 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

PB133122ZHE#03

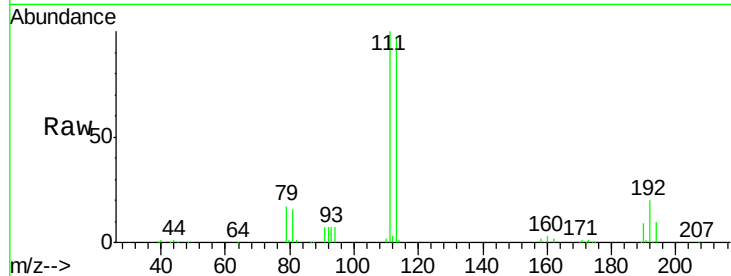
Tot Ion:113 Resp: 142881

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

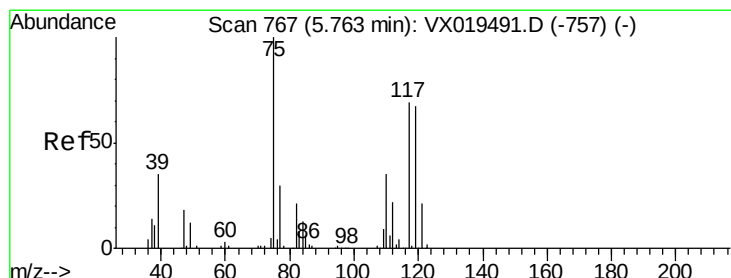
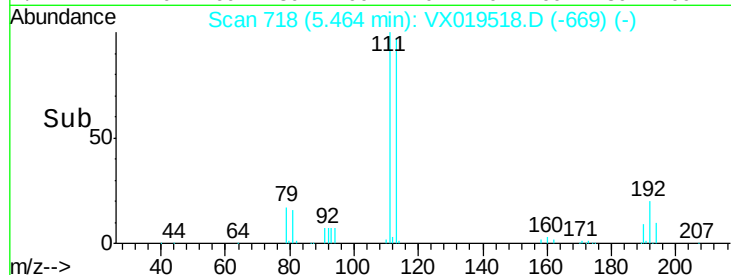
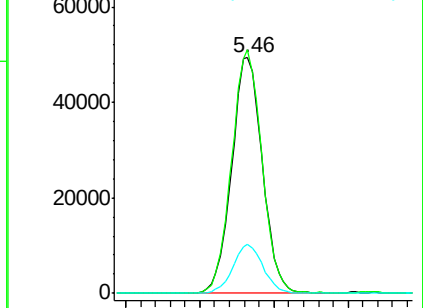
192 20.3 16.2 24.2



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: 5.039 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

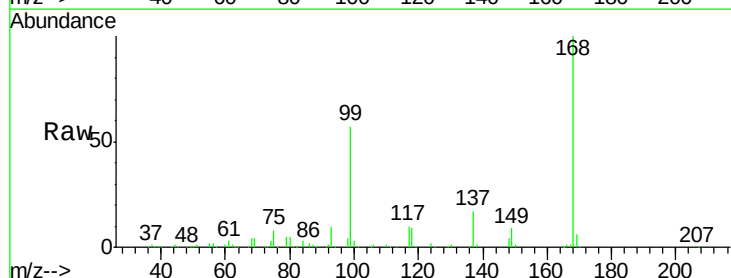
Tgt Ion: 75 Resp: 22023

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

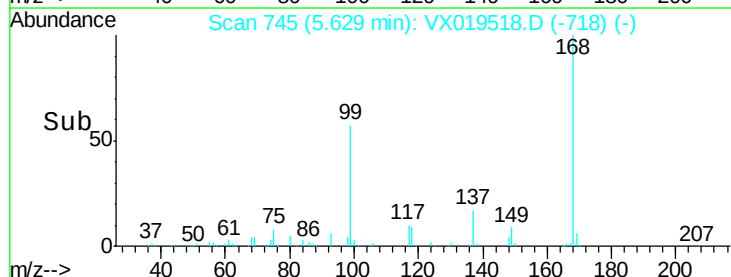
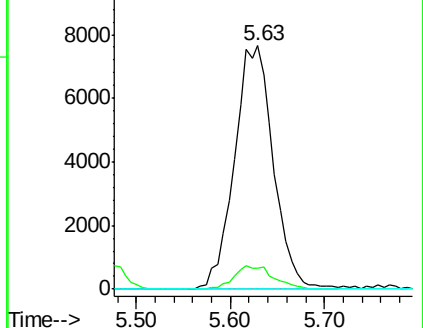
77 0.0 24.2 36.4#

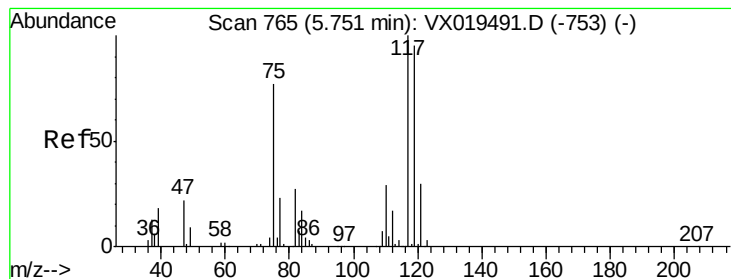


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

PB133122ZHE#03

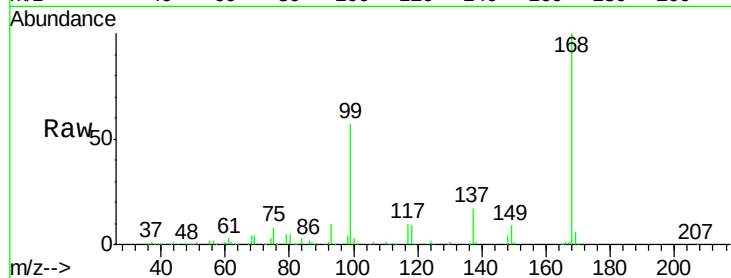
Tot Ion:117 Resp: 28265

Ion Ratio Lower Upper

117 100

119 4.5 75.9 113.9#

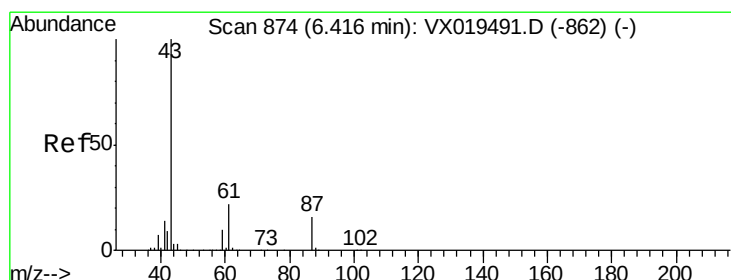
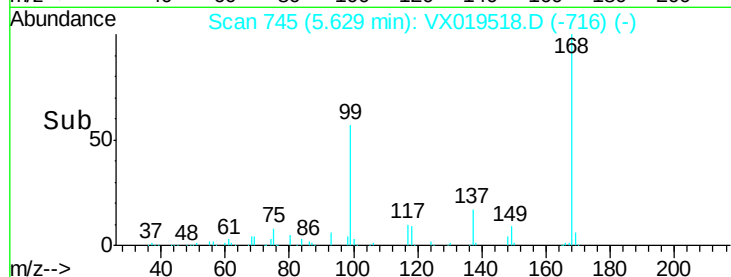
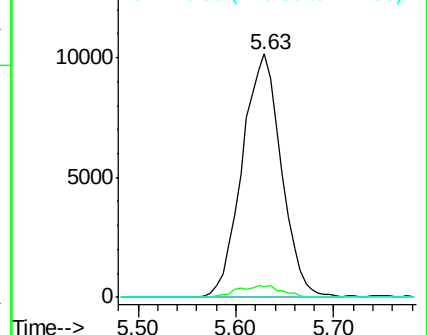
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 4.606 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

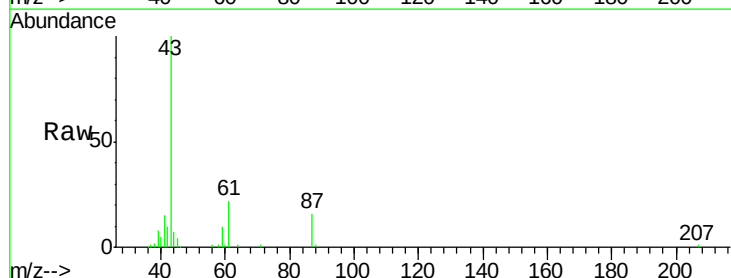
Tgt Ion: 43 Resp: 31767

Ion Ratio Lower Upper

43 100

61 22.0 18.2 27.2

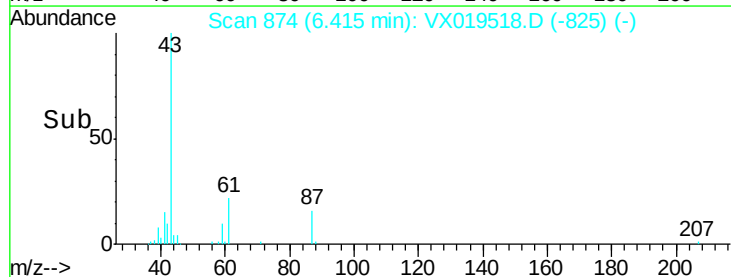
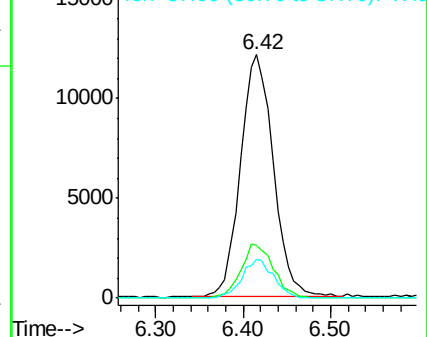
87 15.3 12.6 18.8

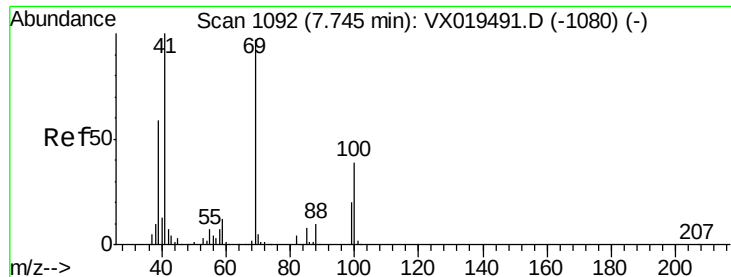


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

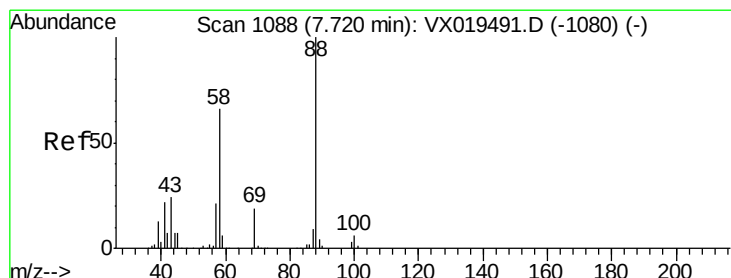
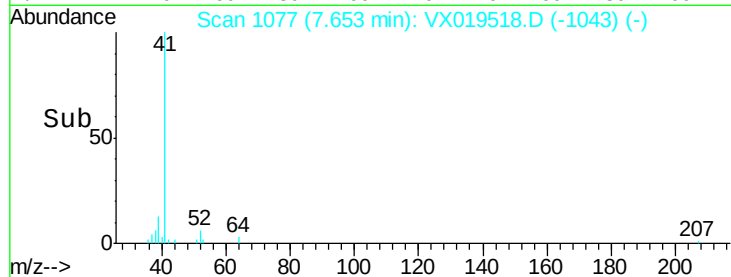
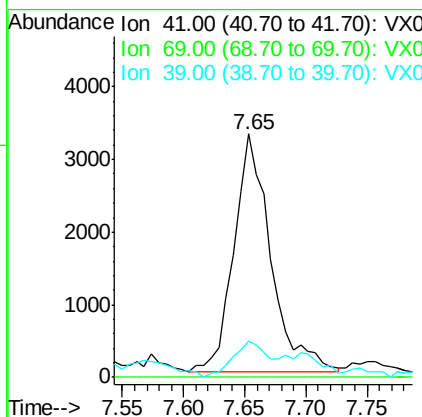
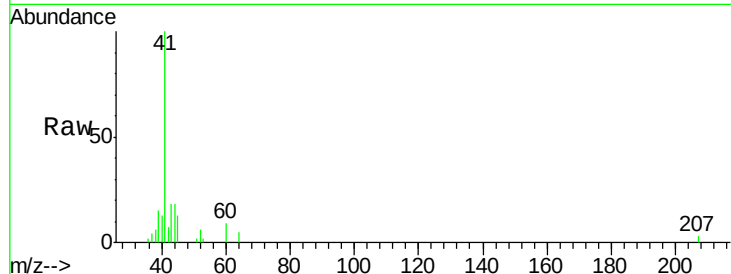




#48
Methvl methacrylate
Concen: 2.144 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

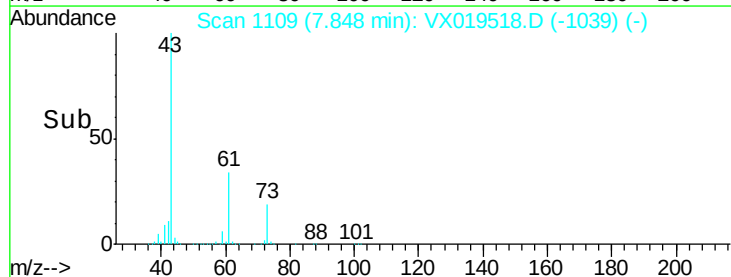
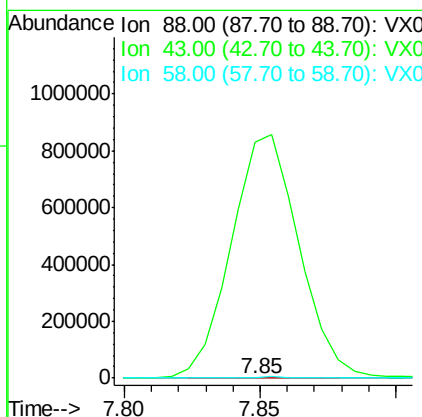
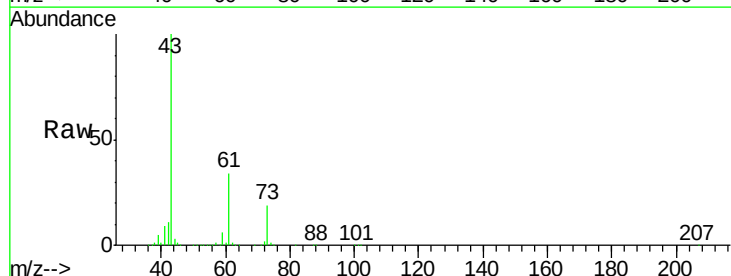
Instrument :
MSVOA_X
ClientSampleId :
PB133122ZHE#03

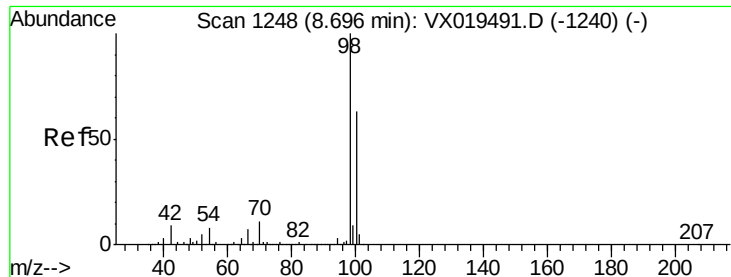
Tot Ion: 41 Resp: 6926
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.6#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 4.459 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.13 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 456243.4 23.8 35.6#
58 2267.3 54.2 81.2#

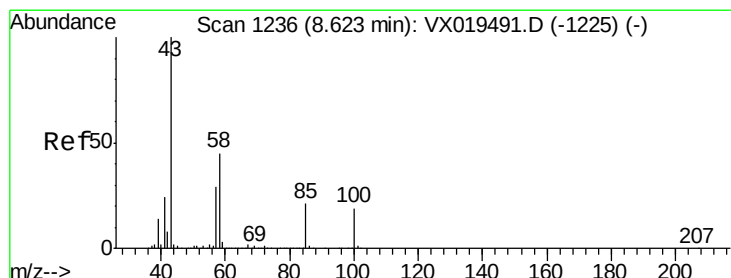
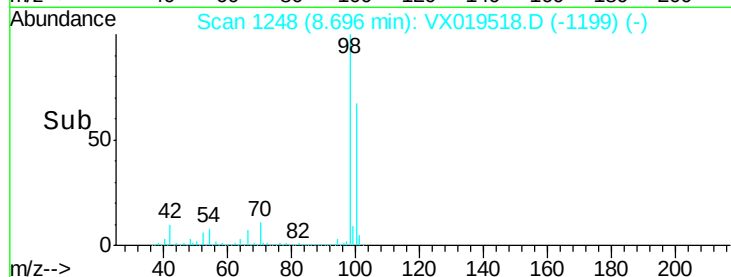
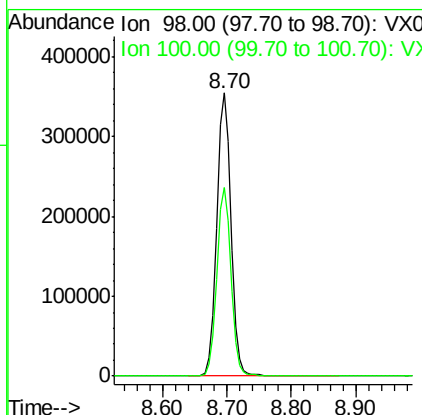
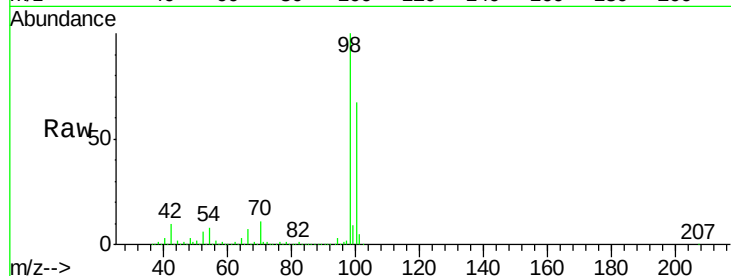




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

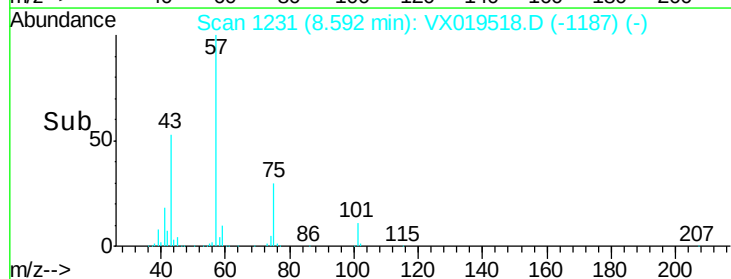
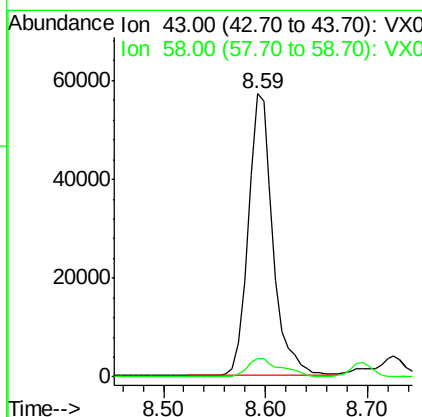
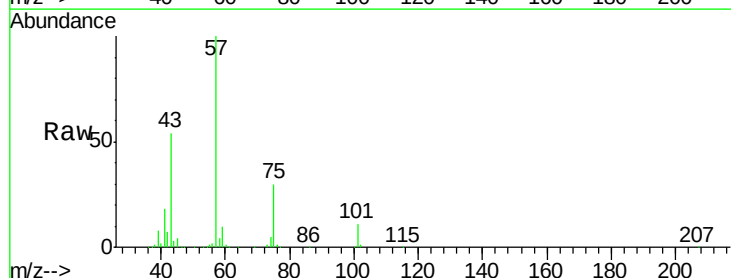
Instrument :
MSVOA_X
ClientSampleId :
PB133122ZHE#03

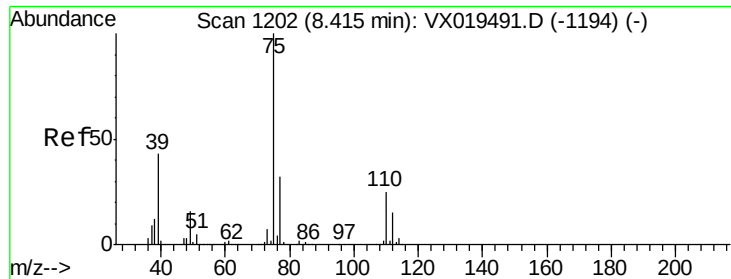
Tot Ion: 98 Resp: 556508
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 23.863 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion: 43 Resp: 95977
Ion Ratio Lower Upper
43 100
58 9.1 35.1 52.7#

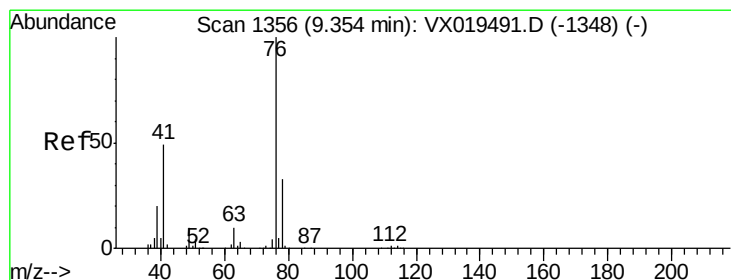
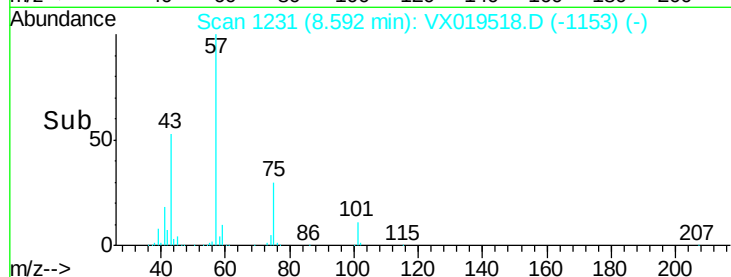
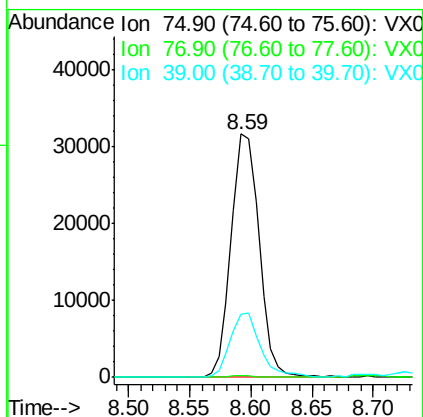
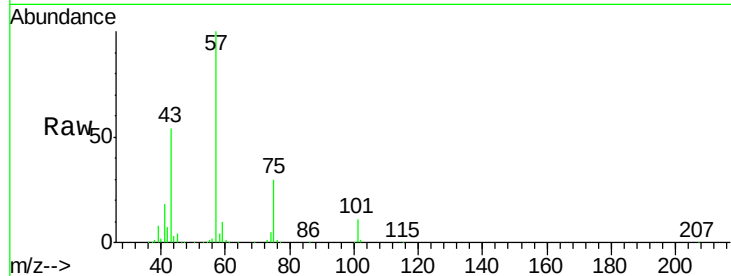




#54
 cis-1,3-Dichloropropene
 Concen: 9.574 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

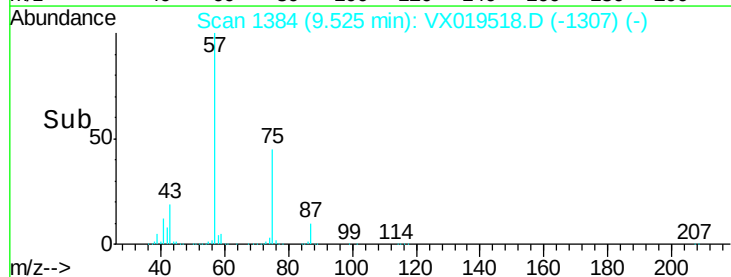
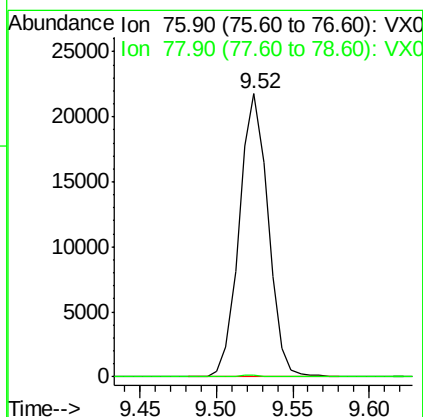
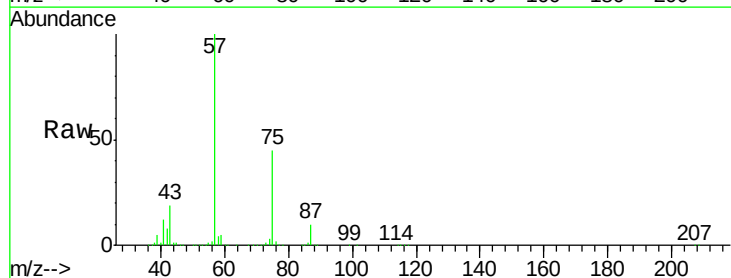
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133122ZHE#03

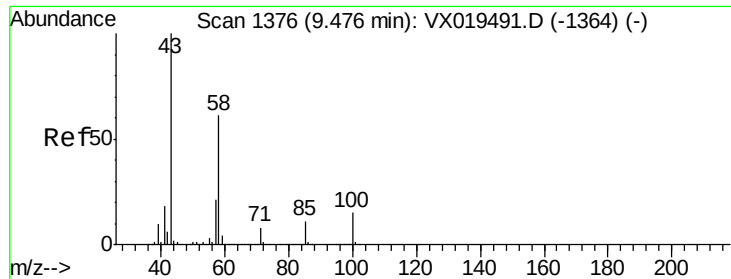
Tot Ion: 75 Resp: 50380
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.8 38.6#
 39 25.8 34.6 51.8#



#57
 1,3-Dichloropropane
 Concen: 5.081 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019518.D
 Acq: 21 Nov 2020 01:36

Tgt Ion: 76 Resp: 28459
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.7 38.5#

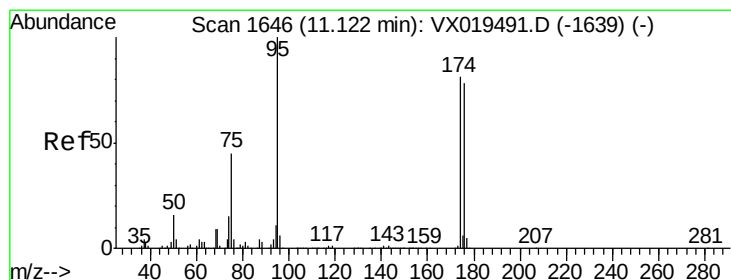
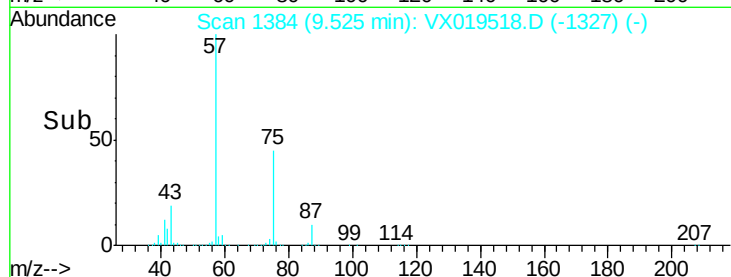
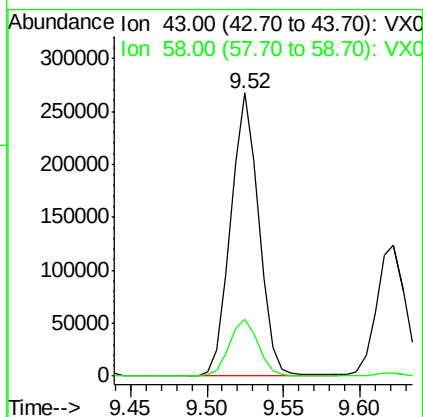
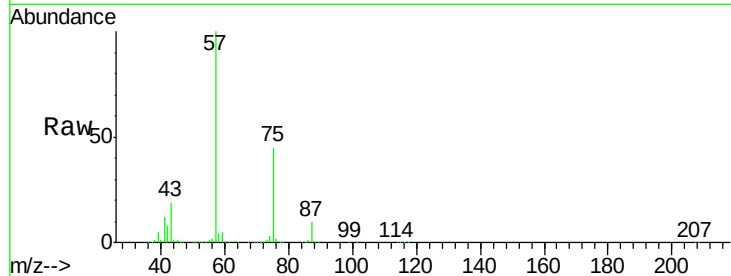




#59
2-Hexanone
Concen: 111.588 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

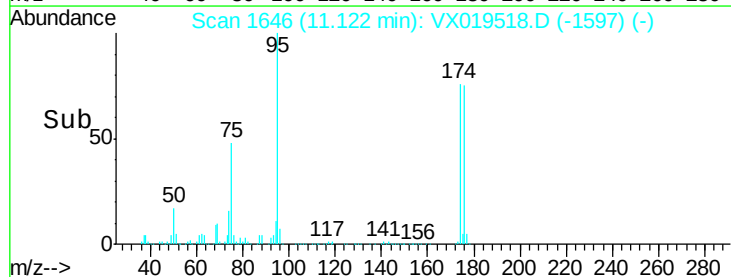
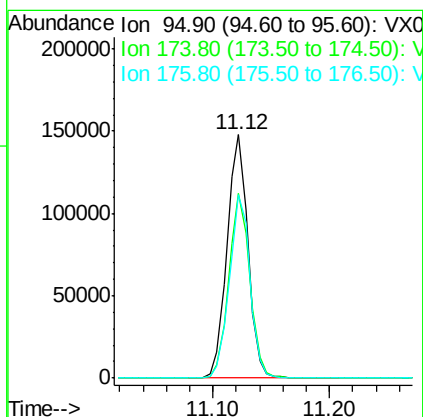
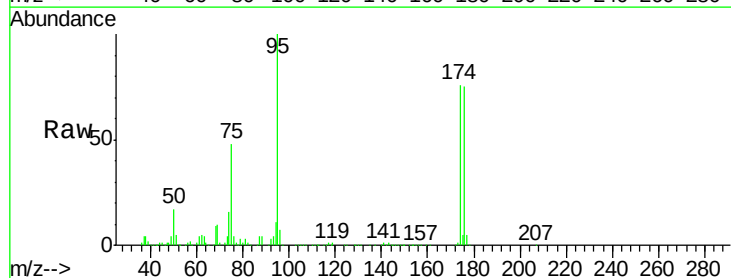
Instrument :
MSVOA_X
ClientSampleId :
PB133122ZHE#03

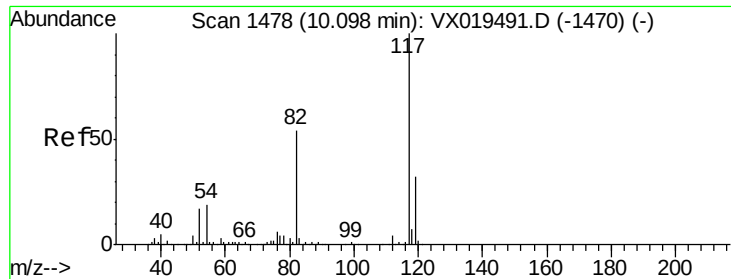
Tot Ion: 43 Resp: 340385
Ion Ratio Lower Upper
43 100
58 20.7 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 44.944 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion: 95 Resp: 183878
Ion Ratio Lower Upper
95 100
174 76.4 0.0 156.2
176 74.8 0.0 151.4

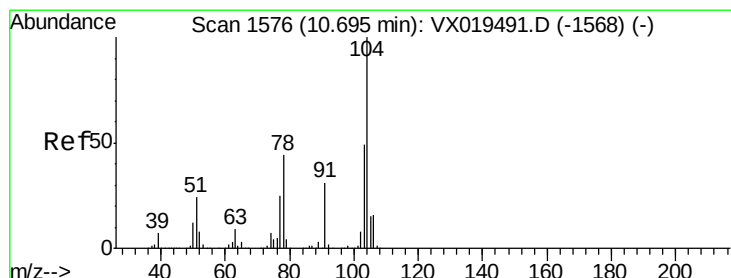
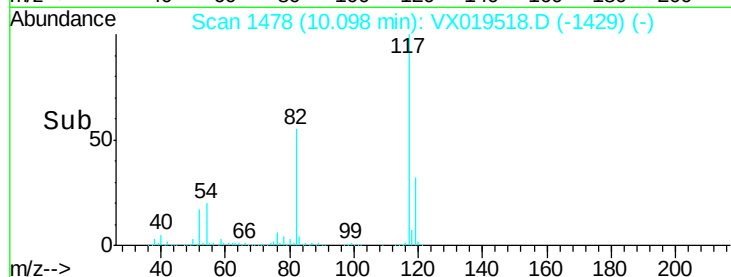
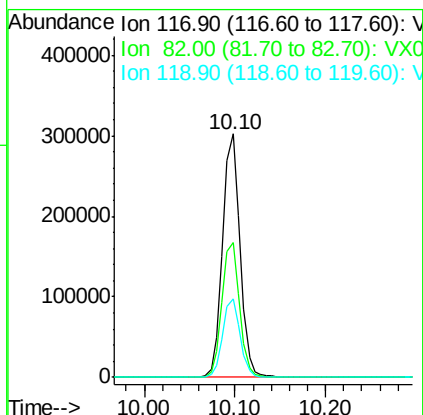
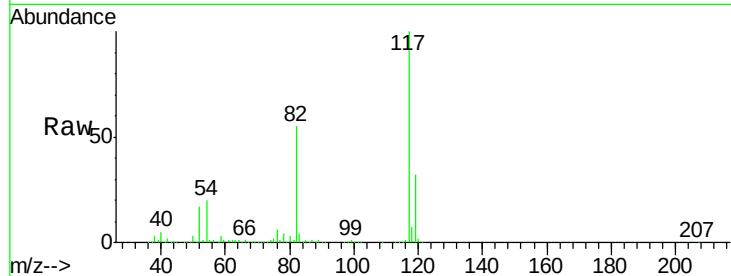




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

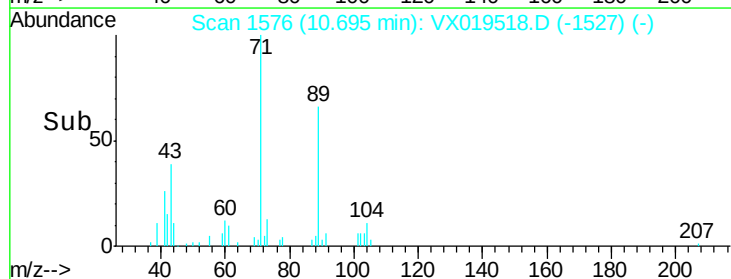
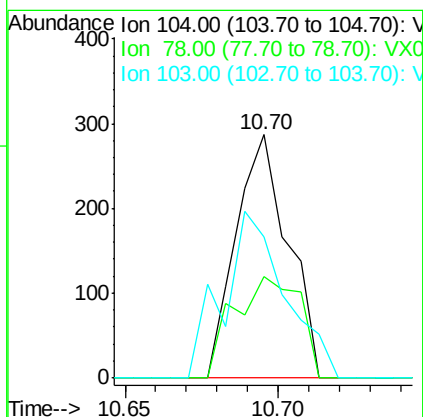
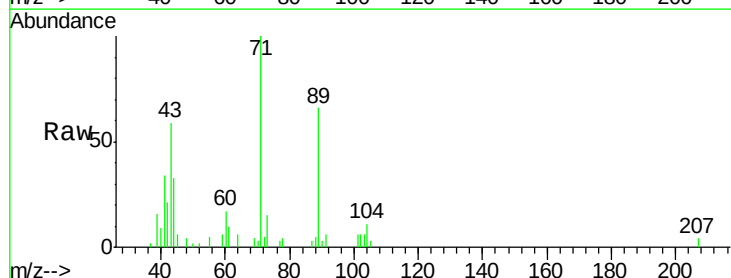
Instrument :
MSVOA_X
ClientSampleId :
PB133122ZHE#03

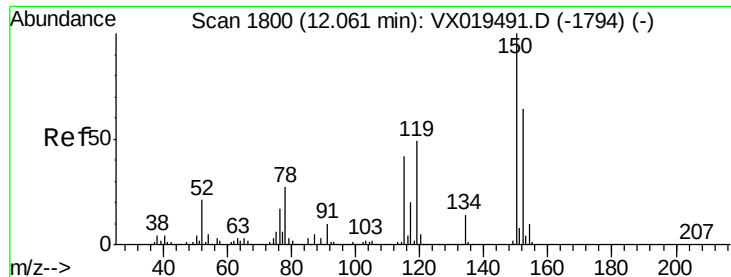
Tot Ion:117 Resp: 406450
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.2 25.6 38.4



#70
Styrene
Concen: 1.680 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019518.D
Acq: 21 Nov 2020 01:36

Tgt Ion:104 Resp: 337
Ion Ratio Lower Upper
104 100
78 52.8 39.5 59.3
103 81.3 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

PB133122ZHE#03

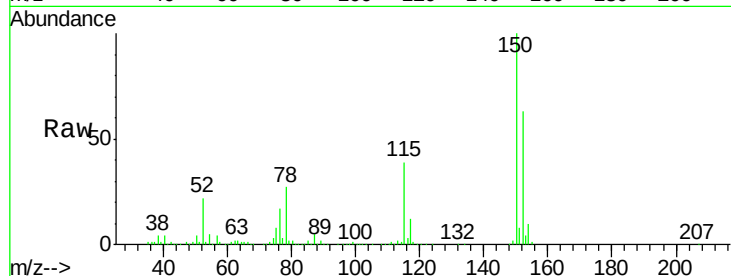
Tot Ion:152 Resp: 168126

Ion Ratio Lower Upper

152 100

115 60.9 41.8 125.4

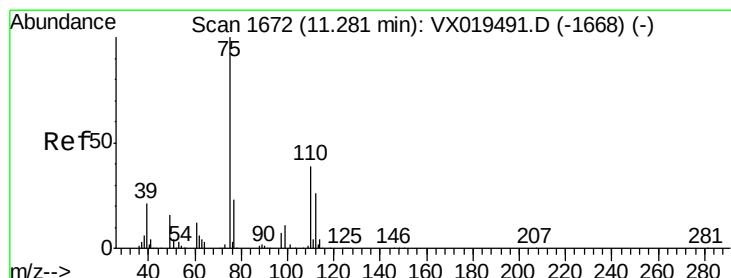
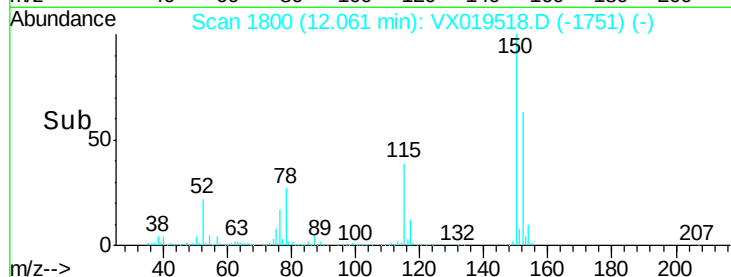
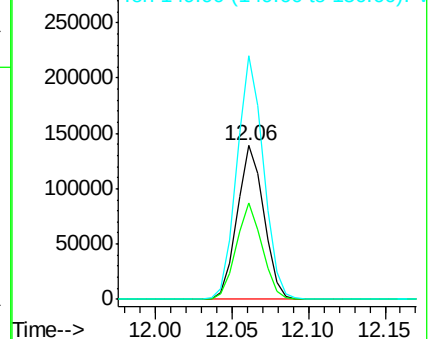
150 157.8 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.726 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019518.D

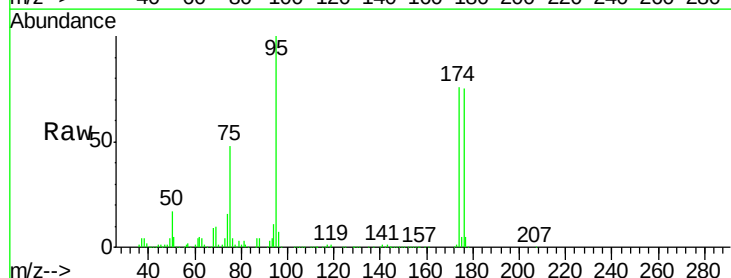
Acq: 21 Nov 2020 01:36

Tgt Ion: 75 Resp: 90723

Ion Ratio Lower Upper

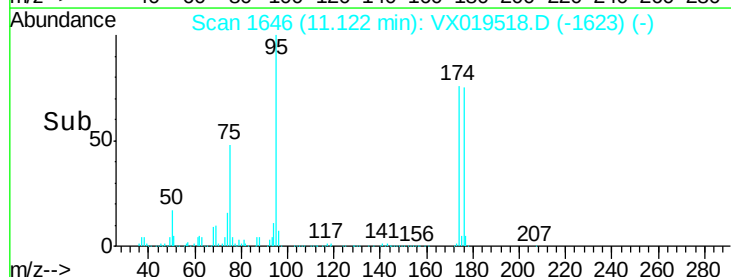
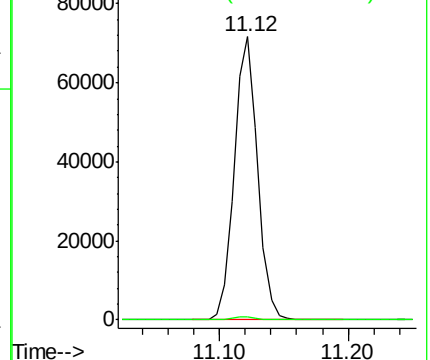
75 100

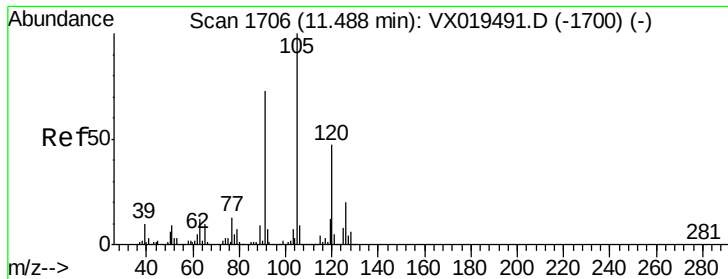
77 1.3 20.0 60.0#



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: 0.249 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

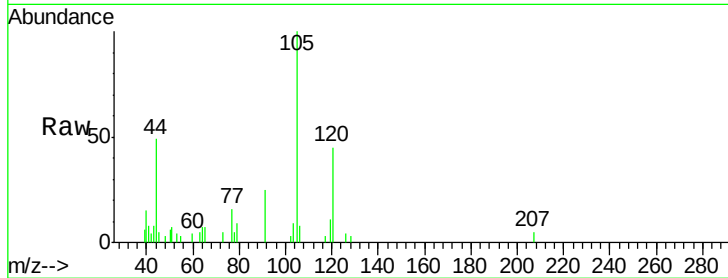
PB133122ZHE#03

Tot Ion:105 Resp: 2429

Ion Ratio Lower Upper

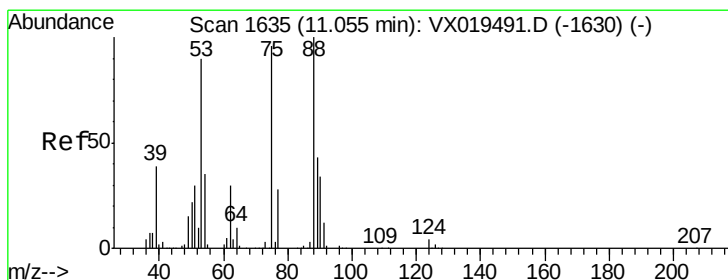
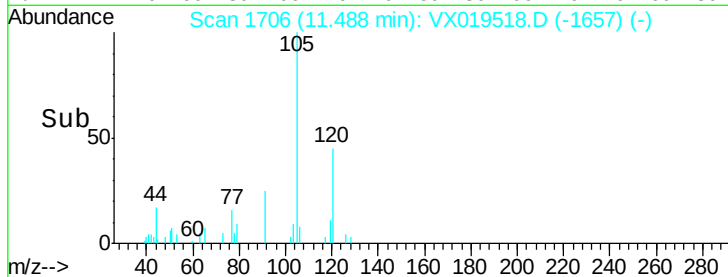
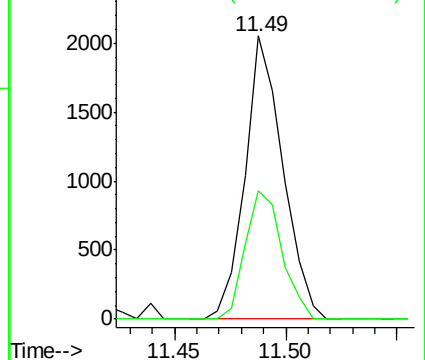
105 100

120 43.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.363 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

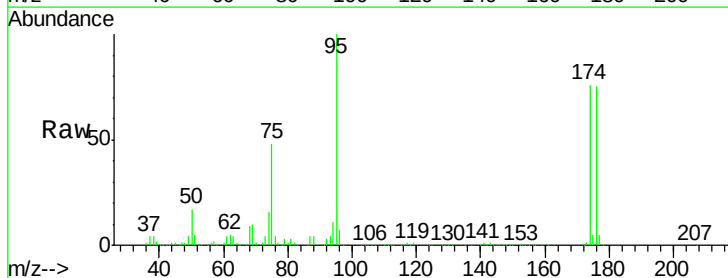
Tgt Ion: 75 Resp: 90723

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

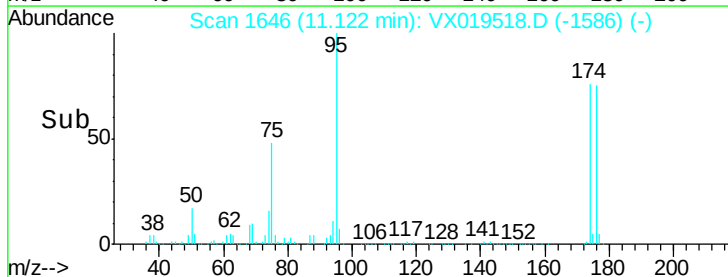
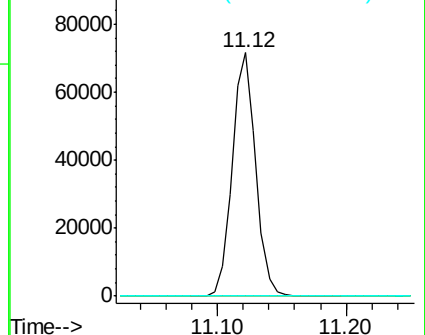
89 0.0 37.3 55.9#

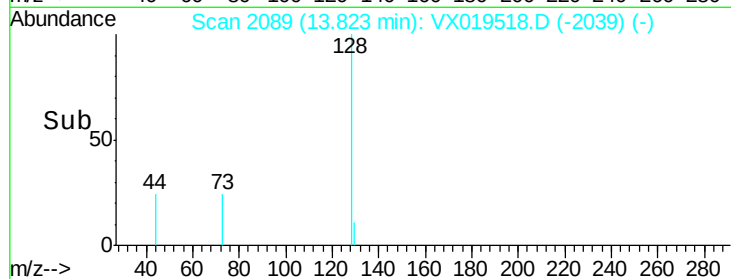
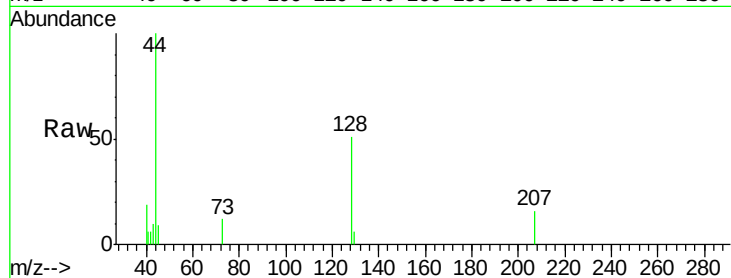
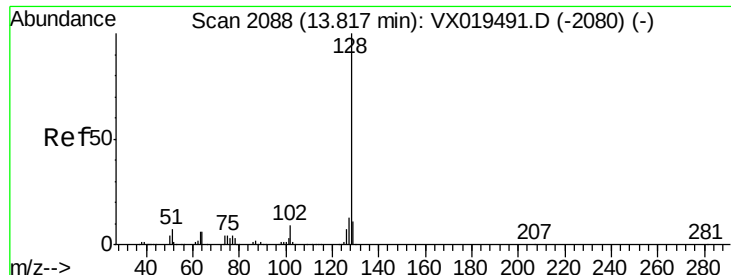


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 2.224 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX019518.D

Acq: 21 Nov 2020 01:36

Instrument :

MSVOA_X

ClientSampleId :

PB133122ZHE#03

Tot Ion:128 Resp: 598

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 3.5 8.7 13.1#

