

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019581.D
 Acq On : 24 Nov 2020 03:55
 Operator : JC/MD
 Sample : PB133157ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133157ZHE#11

Quant Time: Nov 24 05:18:03 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	321477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	522294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180391	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	195435	46.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.78%	
35) Dibromofluoromethane		5.46	113	155573	47.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.90%	
50) Toluene-d8		8.70	98	612371	48.07	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.14%	
62) 4-Bromofluorobenzene		11.12	95	203607	44.42	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.84%	

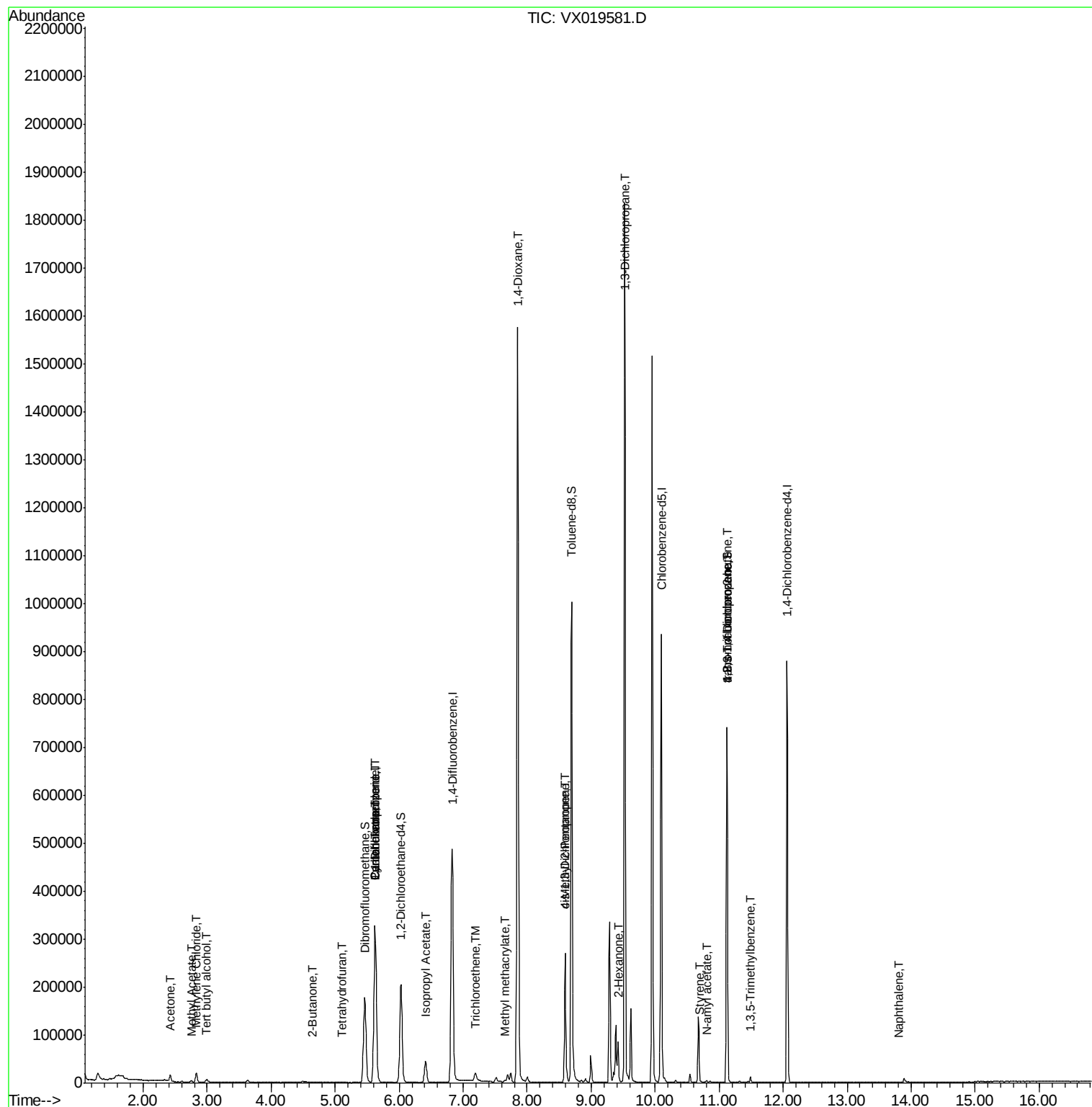
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1267	Below Cal	#	42
11) Tert butyl alcohol	2.99	59	4689	5.944	ug/l #	74
16) Acetone	2.42	43	12306	7.634	ug/l	95
18) Methyl Acetate	2.75	43	4708	1.811	ug/l	99
20) Methylene Chloride	2.83	84	9431	2.341	ug/l	95
25) 2-Butanone	4.63	43	2140	0.884	ug/l	92
29) Tetrahydrofuran	5.12	42	1460	0.945	ug/l	88
31) Cyclohexane	5.62	56	6041	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23837	4.868	ug/l #	49
38) Carbon Tetrachloride	5.62	117	31584	6.664	ug/l #	16
43) Isopropyl Acetate	6.42	43	60720	7.858	ug/l	99
44) Trichloroethene	7.18	130	2662	0.676	ug/l	98
48) Methyl methacrylate	7.65	41	5091	1.407	ug/l #	9
49) 1,4-Dioxane	7.86	88	254	3.091	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	86629	19.225	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	46175	7.832	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	16514	2.632	ug/l #	44
59) 2-Hexanone	9.42	43	54264	15.879	ug/l #	20
70) Styrene	10.69	104	286	1.672	ug/l #	64
74) N-amyl acetate	10.80	43	2300	0.492	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	98670	25.064	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	5720	0.546	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	98670	66.197	ug/l #	12
95) Naphthalene	13.82	128	342	2.203	ug/l #	69

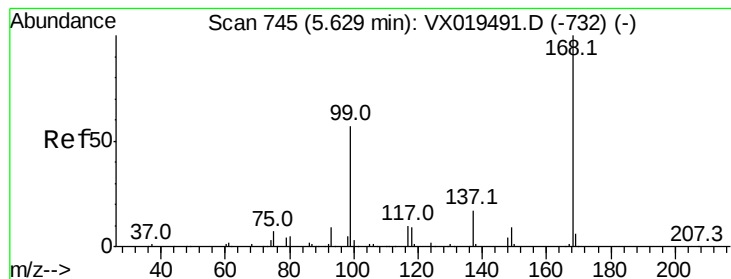
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019581.D
Acq On : 24 Nov 2020 03:55
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

Quant Time: Nov 24 05:18:03 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: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

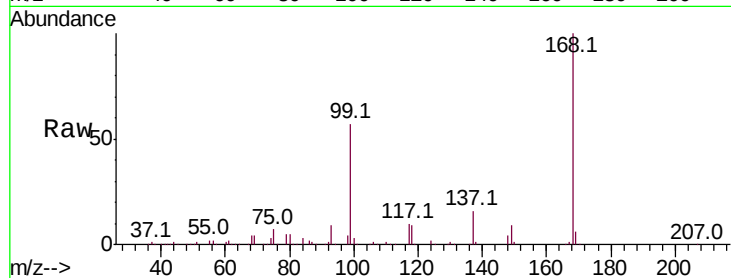
PB133157ZHE#11

Tot Ion:168 Resp: 321477

Ion Ratio Lower Upper

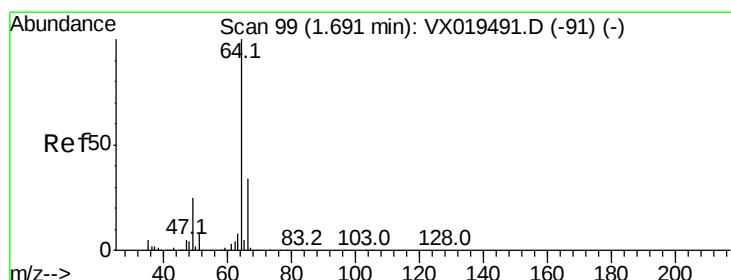
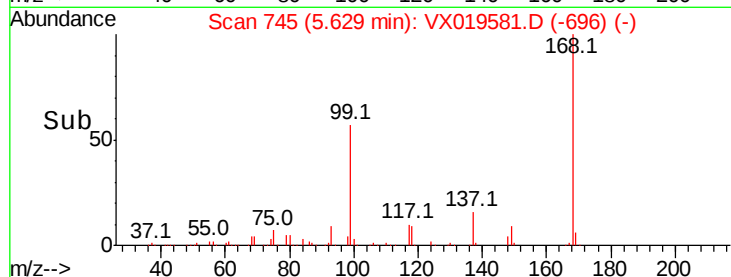
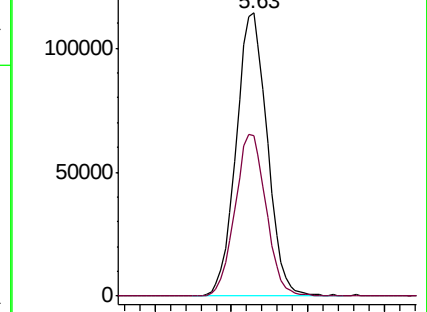
168 100

99 56.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019581.D

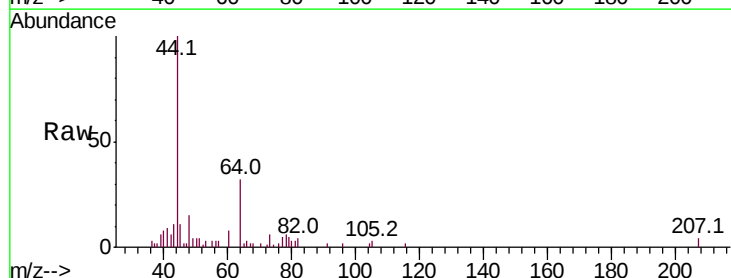
Acq: 24 Nov 2020 03:55

Tgt Ion: 64 Resp: 1267

Ion Ratio Lower Upper

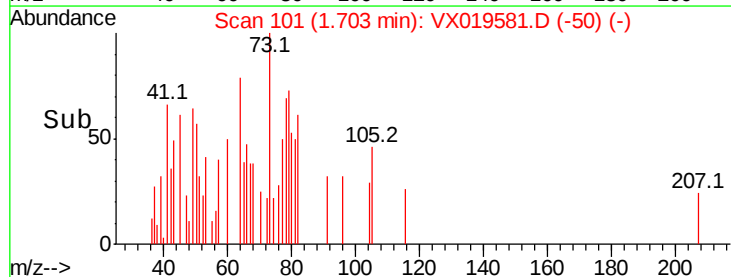
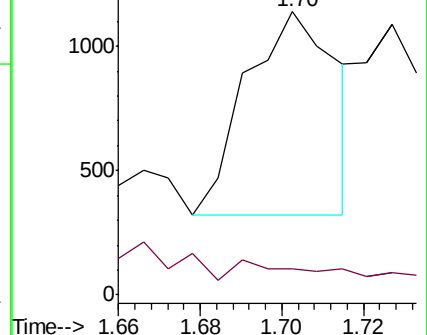
64 100

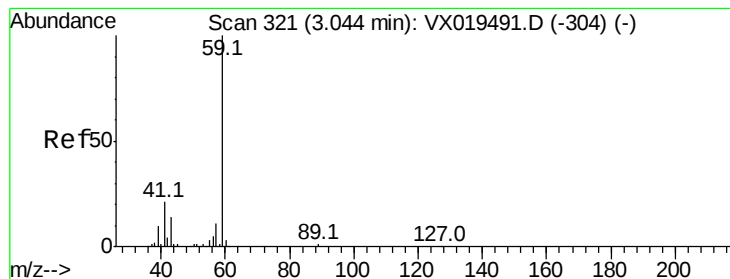
66 0.5 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



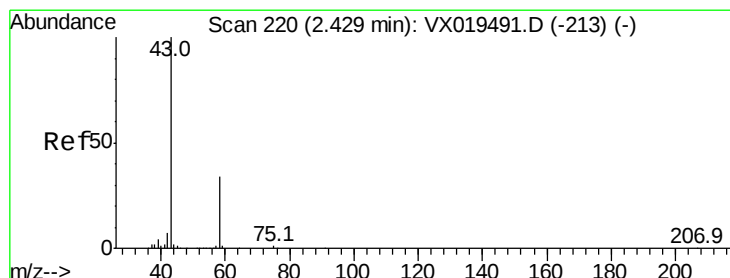
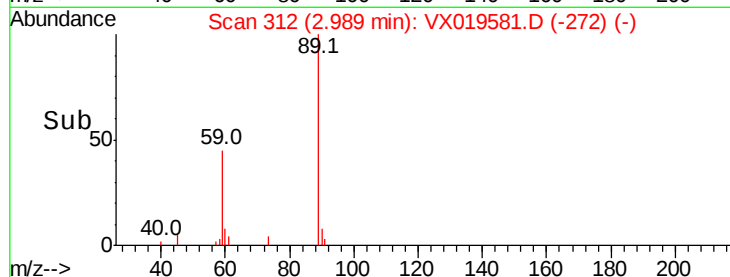
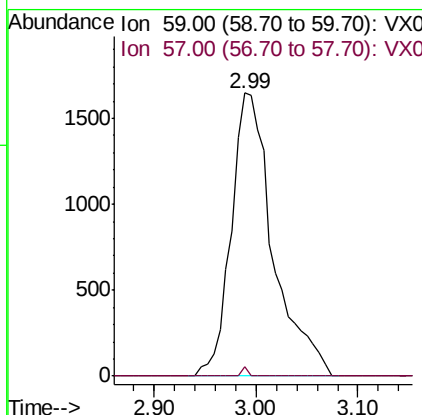
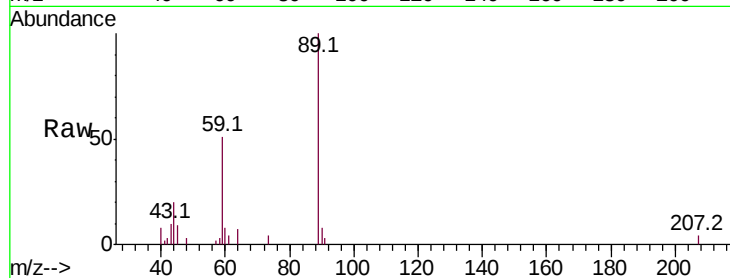


#11

Tert butyl alcohol
 Concen: 5.944 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.06 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133157ZHE#11

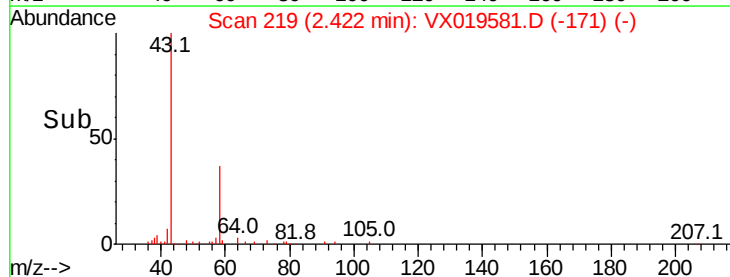
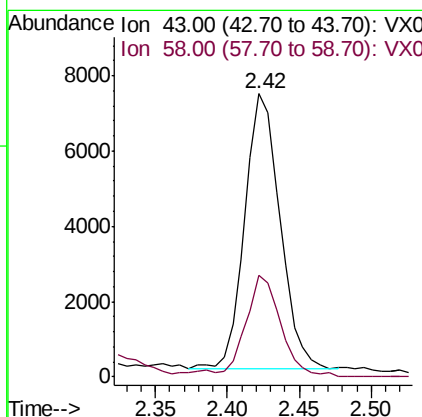
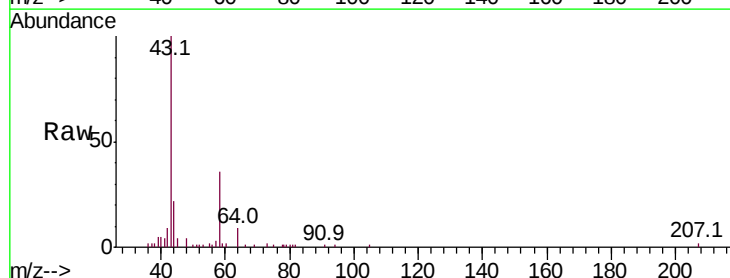
Tot Ion: 59 Resp: 4689
 Ion Ratio Lower Upper
 59 100
 57 0.5 7.9 11.9#

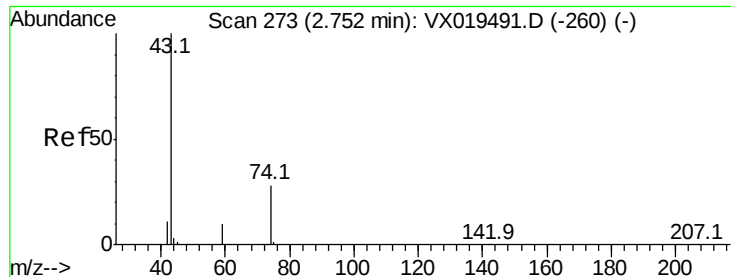


#16

Acetone
 Concen: 7.634 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

Tgt Ion: 43 Resp: 12306
 Ion Ratio Lower Upper
 43 100
 58 37.1 27.4 41.2

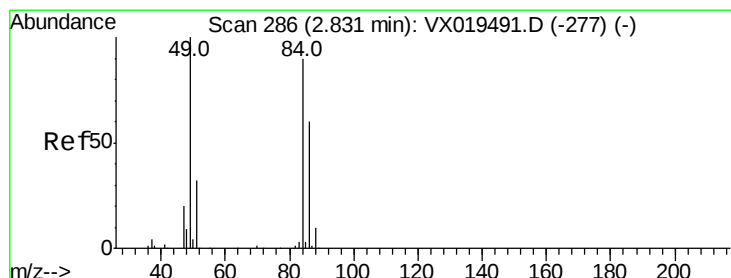
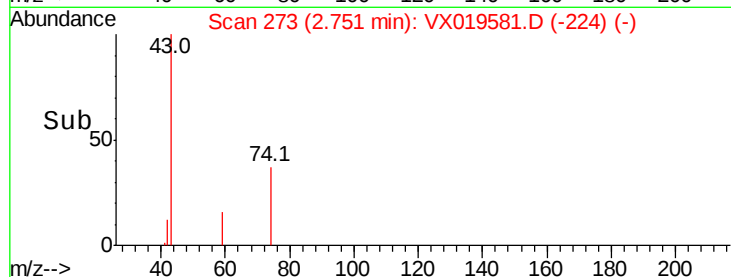
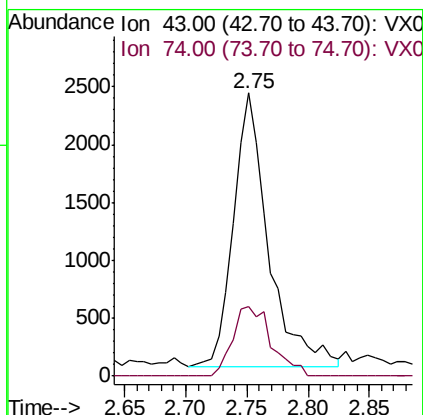
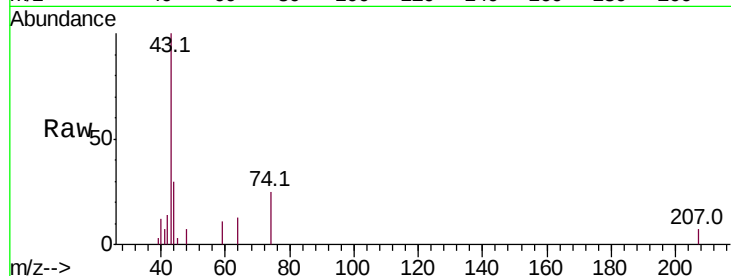




#18
Methvl Acetate
Concen: 1.811 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

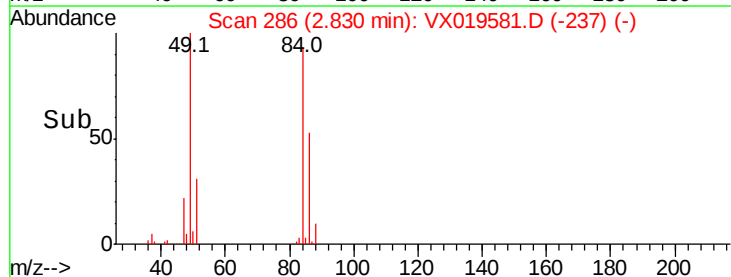
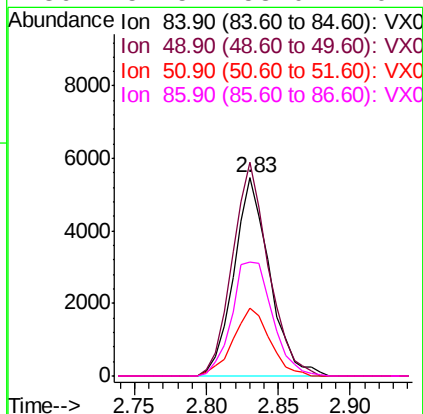
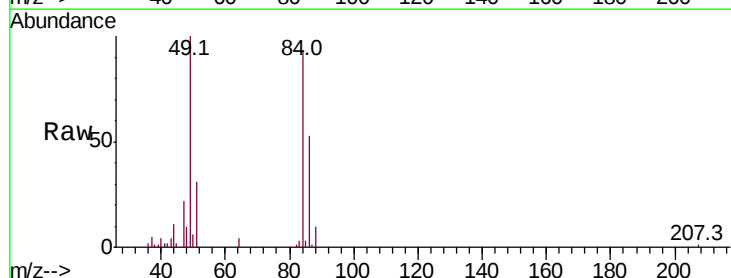
Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

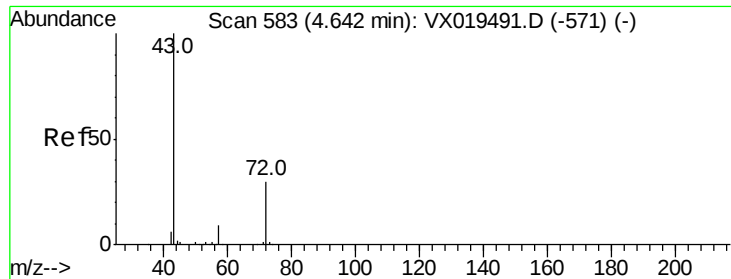
Tot Ion: 43 Resp: 4708
Ion Ratio Lower Upper
43 100
74 28.1 22.2 33.4



#20
Methylene Chloride
Concen: 2.341 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Tgt Ion: 84 Resp: 9431
Ion Ratio Lower Upper
84 100
49 107.8 88.5 132.7
51 34.0 28.0 42.0
86 57.5 53.0 79.4





#25

2-Butanone

Concen: 0.884 ug/l

RT: 4.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

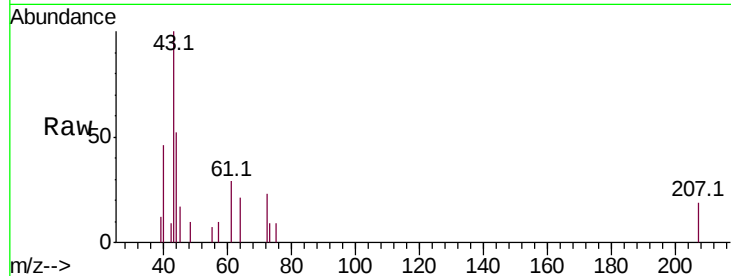
PB133157ZHE#11

Tot Ion: 43 Resp: 2140

Ion Ratio Lower Upper

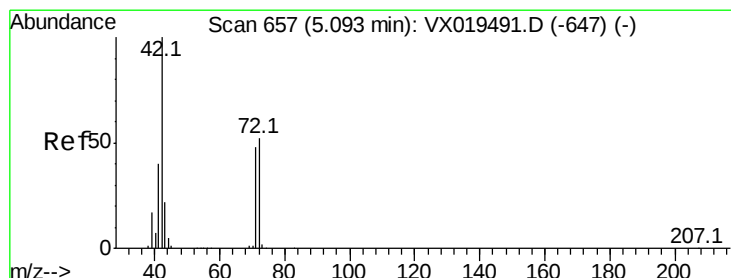
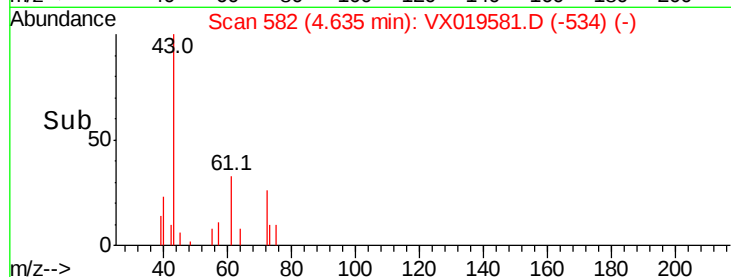
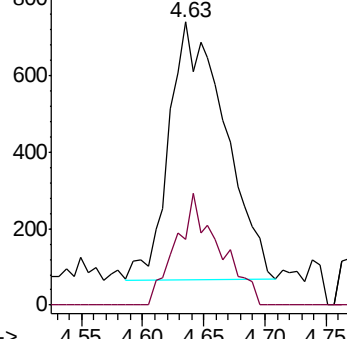
43 100

72 25.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.945 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

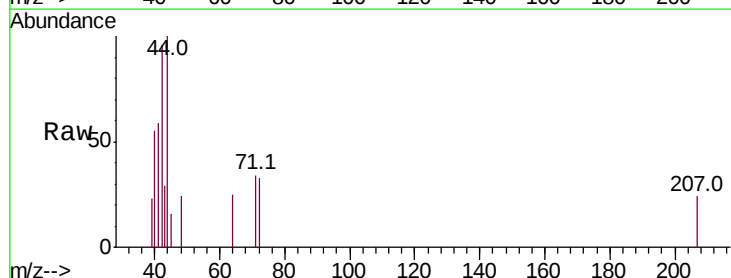
Tgt Ion: 42 Resp: 1460

Ion Ratio Lower Upper

42 100

72 45.6 42.6 63.8

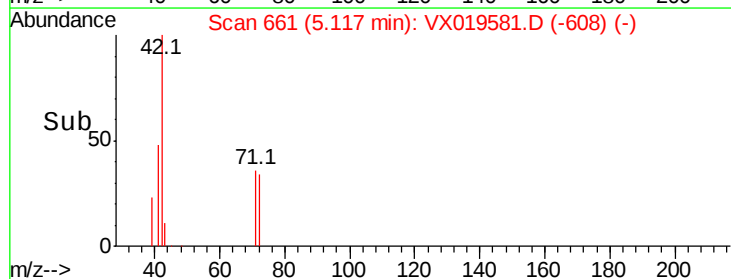
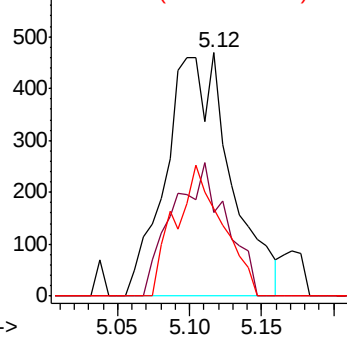
71 39.5 39.0 58.6

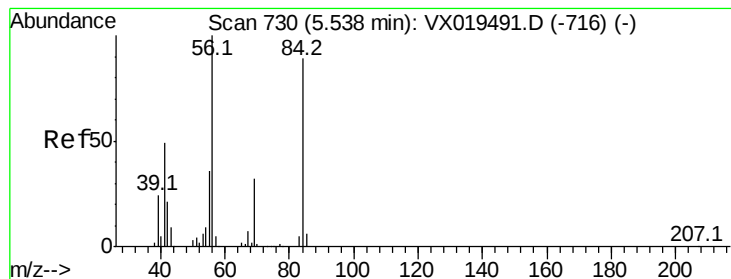


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cvclohexane

Concen: 1.114 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.08 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

PB133157ZHE#11

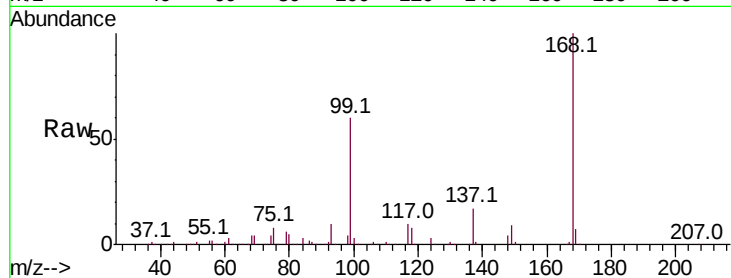
Tot Ion: 56 Resp: 6041

Ion Ratio Lower Upper

56 100

69 168.8 25.5 38.3#

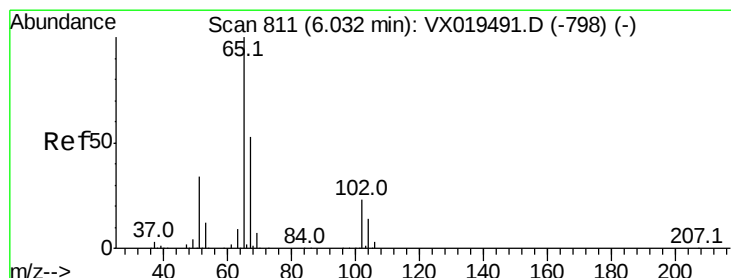
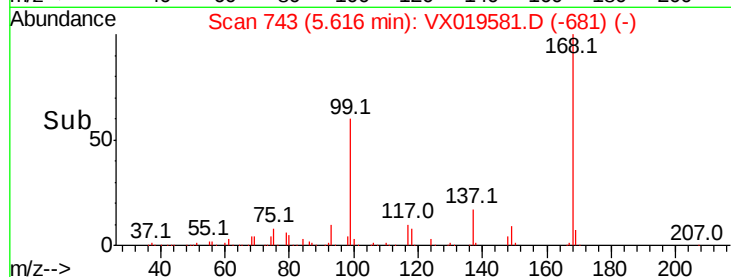
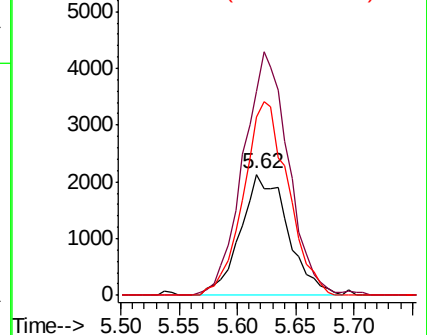
84 147.5 71.1 106.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.887 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019581.D

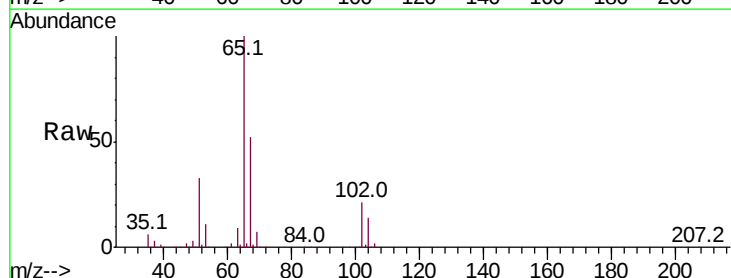
Acq: 24 Nov 2020 03:55

Tgt Ion: 65 Resp: 195435

Ion Ratio Lower Upper

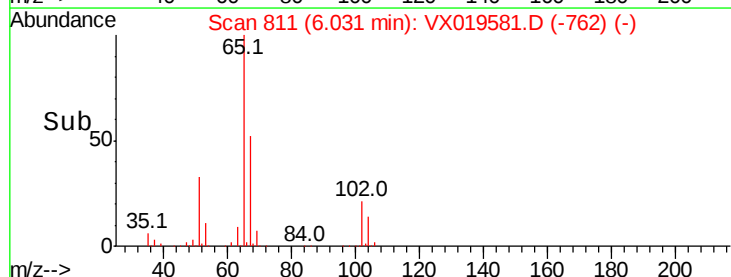
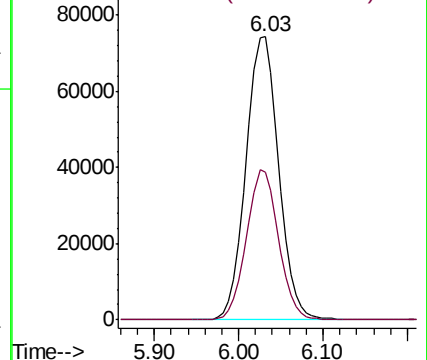
65 100

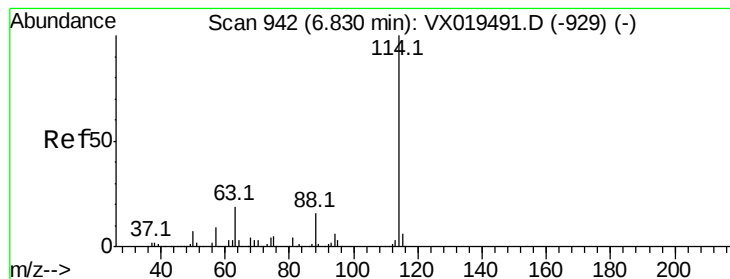
67 52.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

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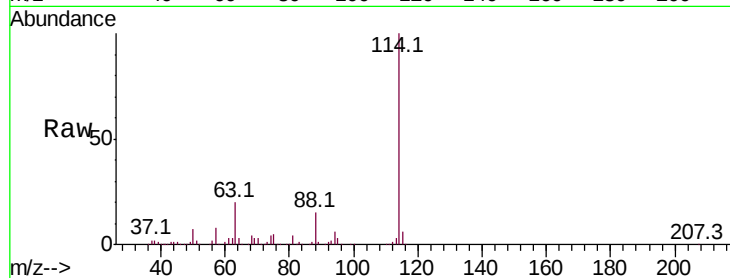
Tot Ion:114 Resp: 522294

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

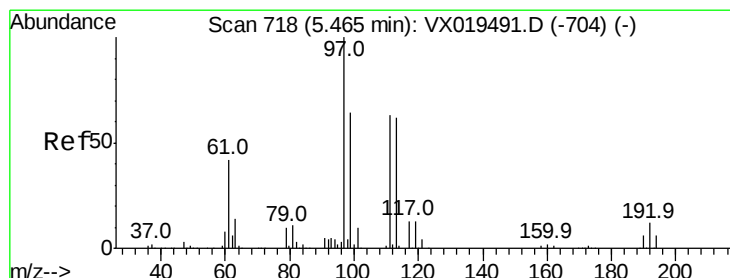
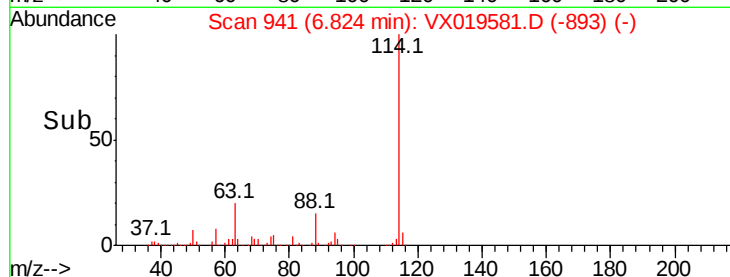
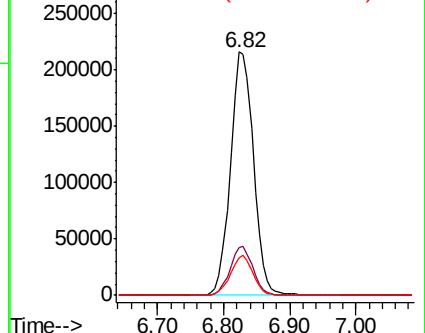
88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.453 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

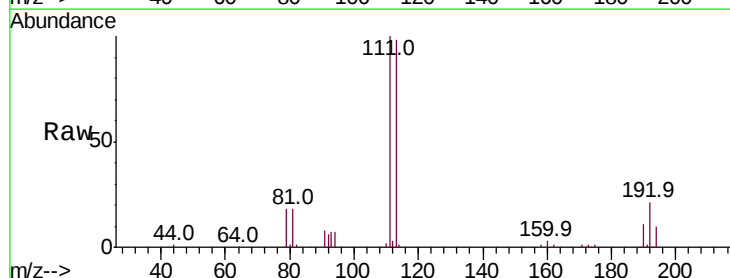
Tgt Ion:113 Resp: 155573

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

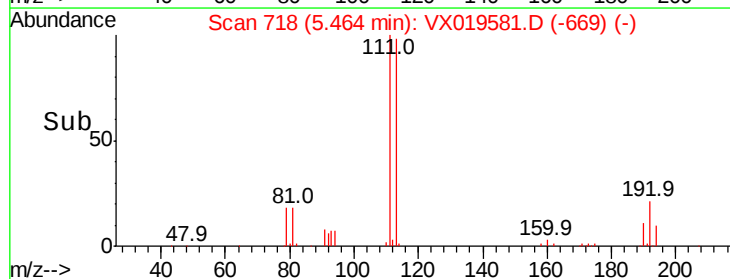
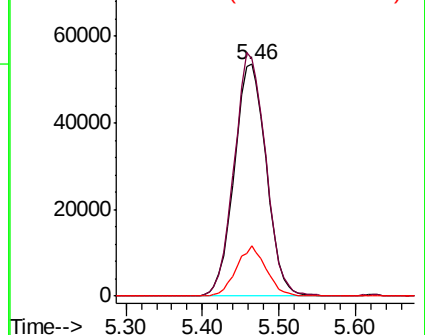
192 20.1 16.2 24.2

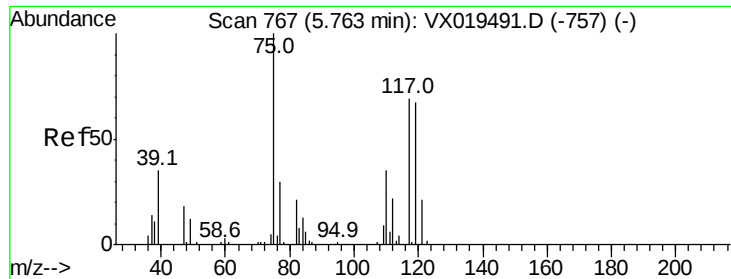


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

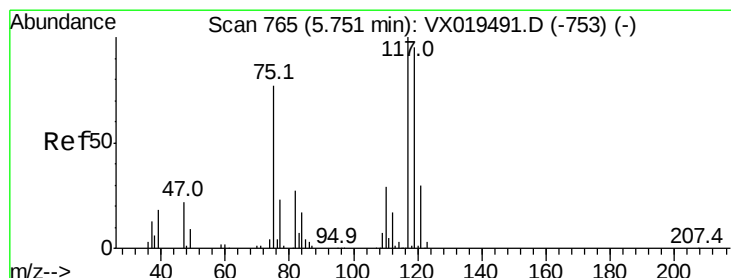
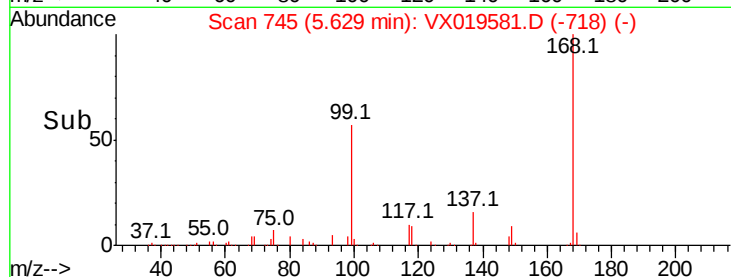
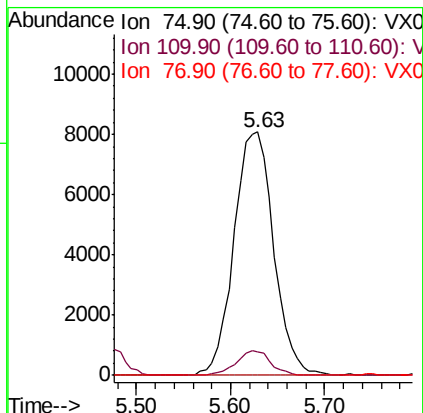
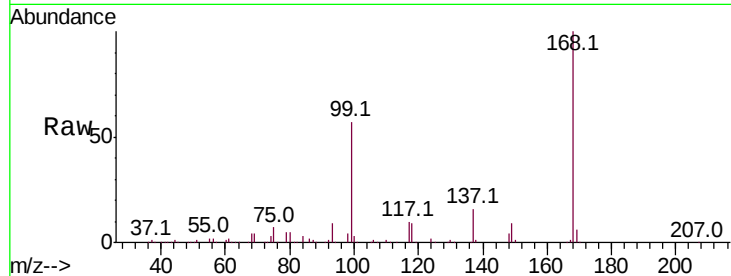




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

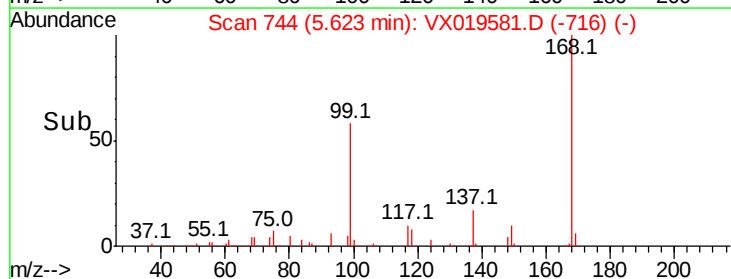
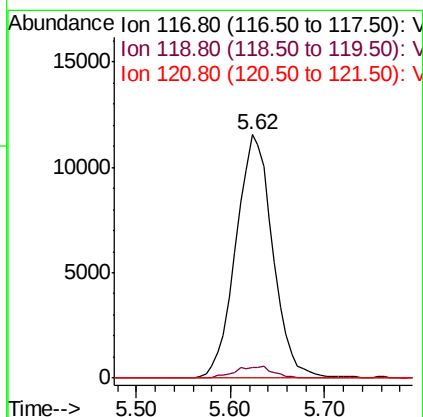
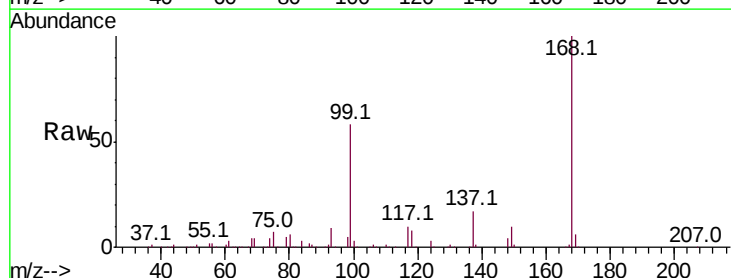
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133157ZHE#11

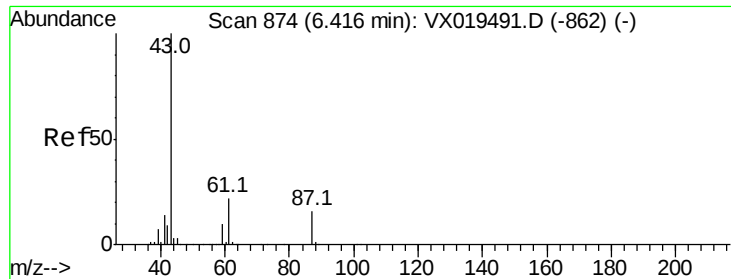
Tot Ion: 75 Resp: 23837
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.664 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

Tgt Ion: 117 Resp: 31584
 Ion Ratio Lower Upper
 117 100
 119 4.4 75.9 113.9#
 121 0.0 24.0 36.0#





#43

Isopropyl Acetate

Concen: 7.858 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

PB133157ZHE#11

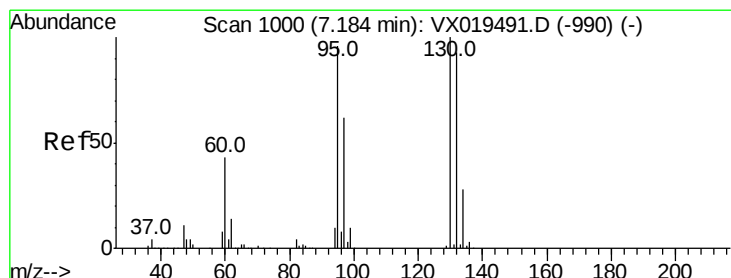
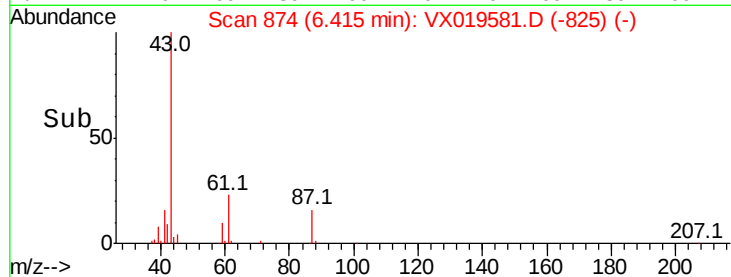
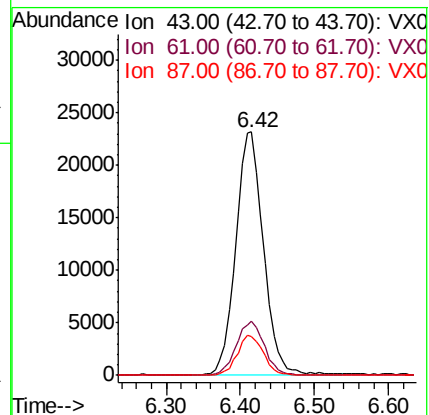
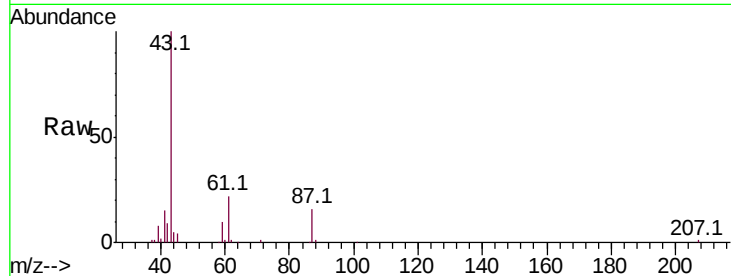
Tot Ion: 43 Resp: 60720

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.2

87 15.3 12.6 18.8



#44

Trichloroethene

Concen: 0.676 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019581.D

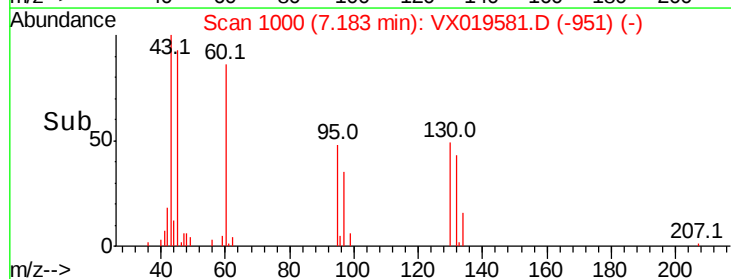
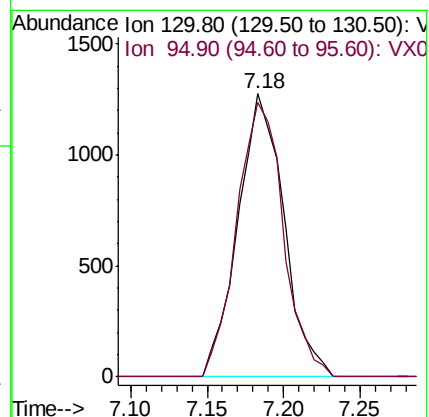
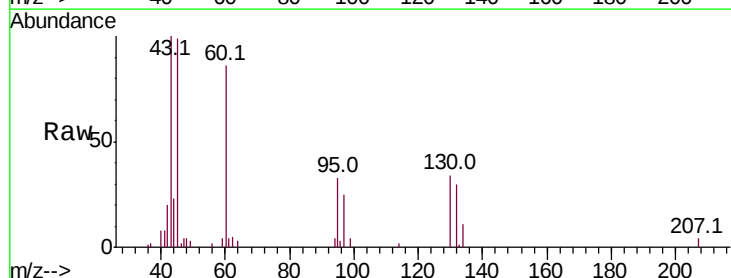
Acq: 24 Nov 2020 03:55

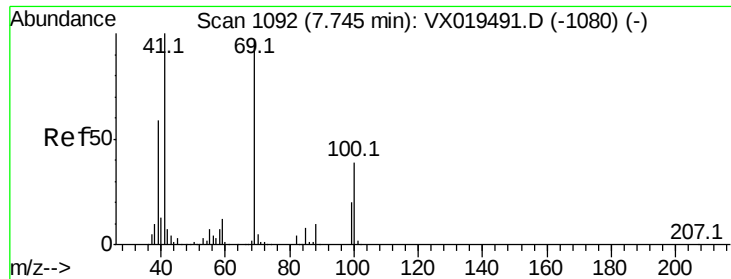
Tgt Ion: 130 Resp: 2662

Ion Ratio Lower Upper

130 100

95 97.1 0.0 191.2

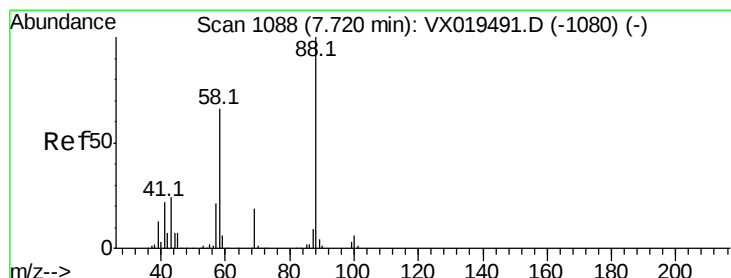
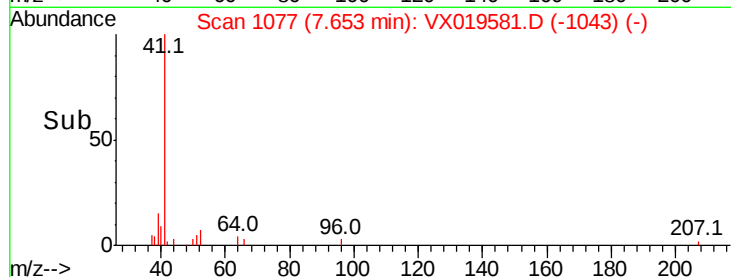
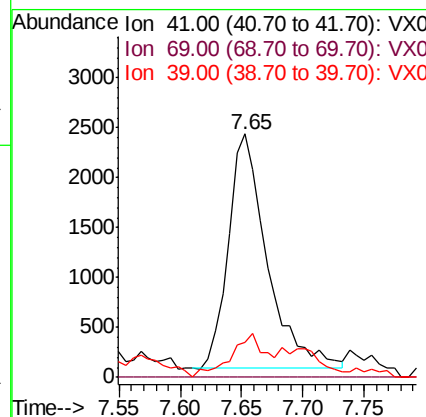
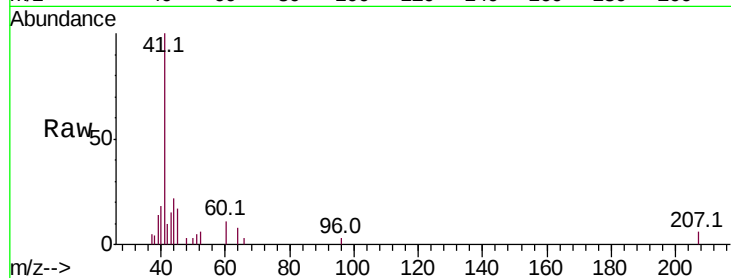




#48
Methvl methacrylate
Concen: 1.407 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

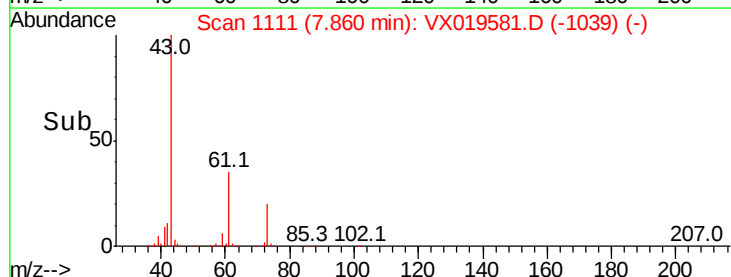
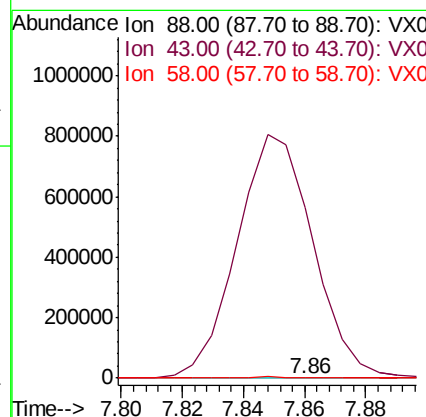
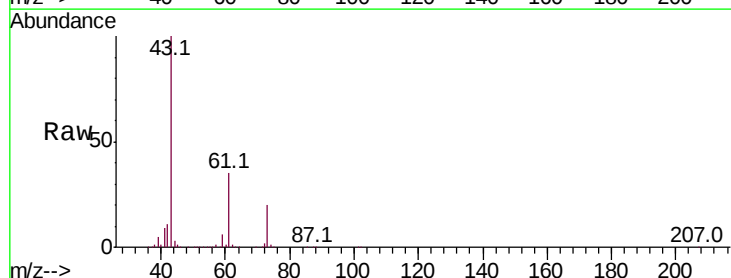
Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

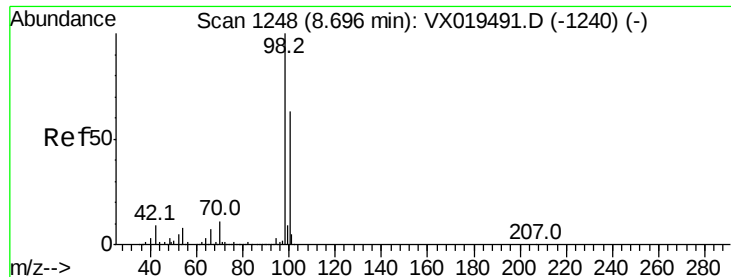
Tot Ion: 41 Resp: 5091
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.6#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 3.091 ug/l
RT: 7.86 min Scan# 1111
Delta R.T. 0.14 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 554258.3 23.8 35.6#
58 2585.8 54.2 81.2#





#50

Toluene-d8

Concen: 48.068 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

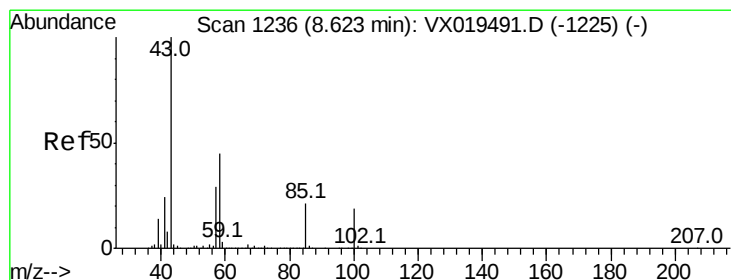
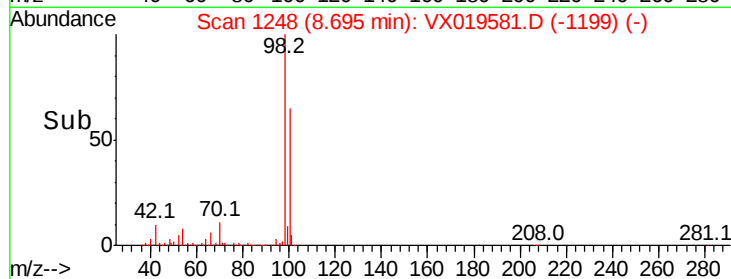
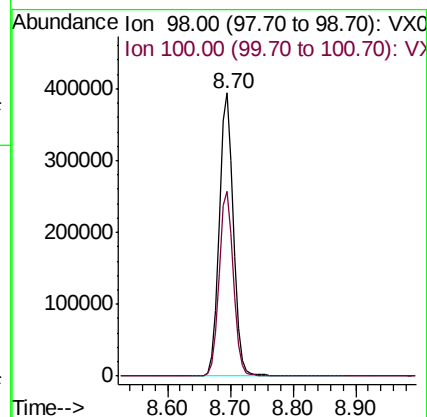
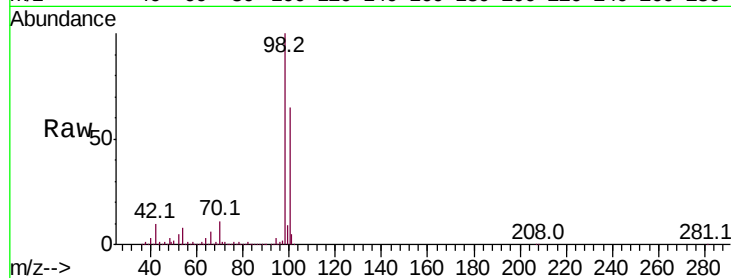
PB133157ZHE#11

Tot Ion: 98 Resp: 612371

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 19.225 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019581.D

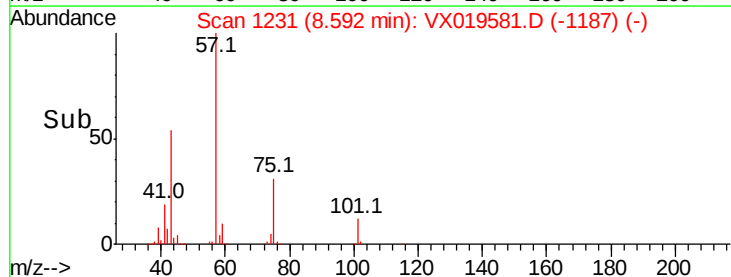
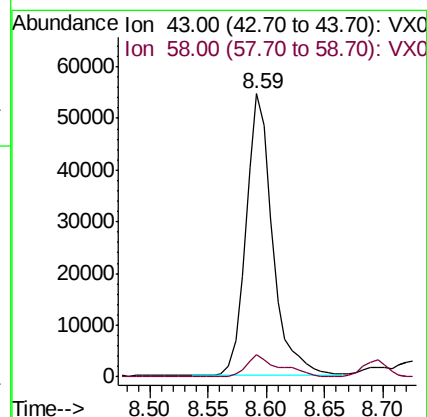
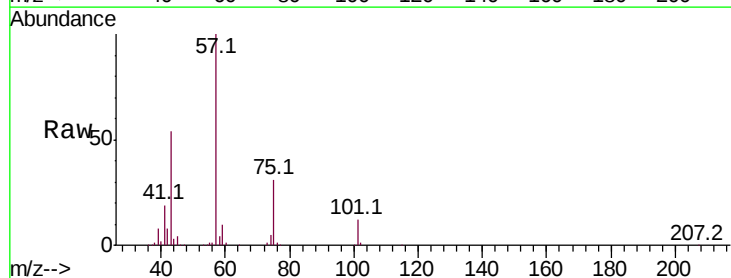
Acq: 24 Nov 2020 03:55

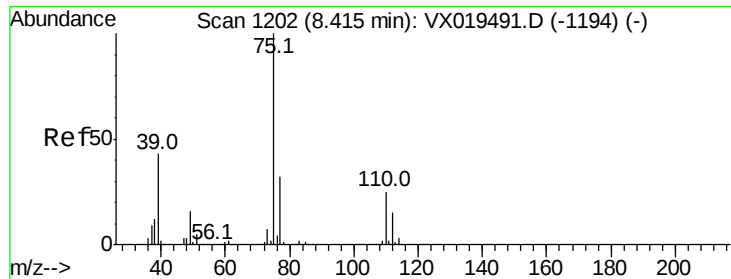
Tgt Ion: 43 Resp: 86629

Ion Ratio Lower Upper

43 100

58 9.9 35.1 52.7#

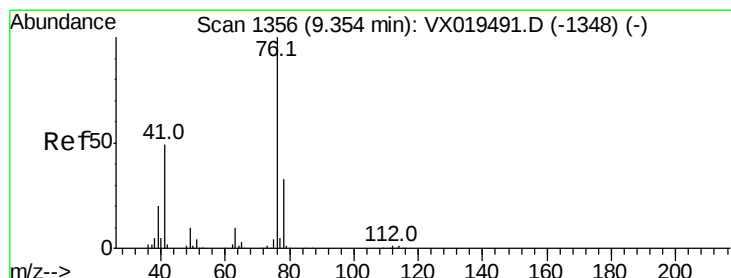
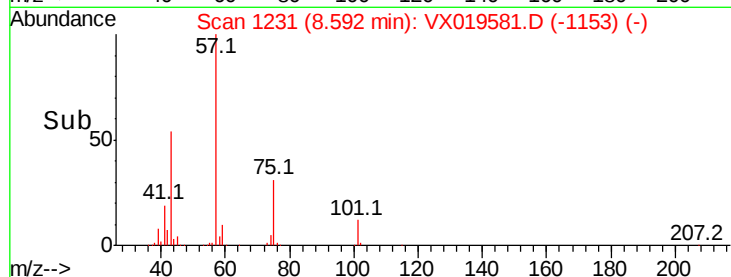
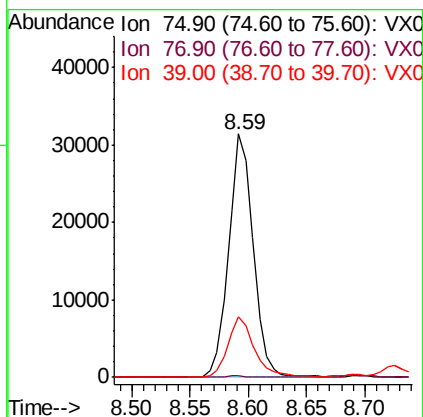
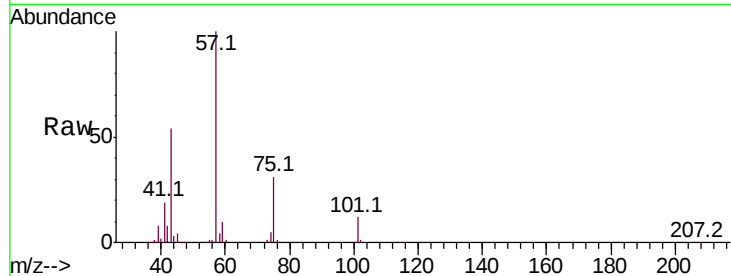




#54
 cis-1,3-Dichloropropene
 Concen: 7.832 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

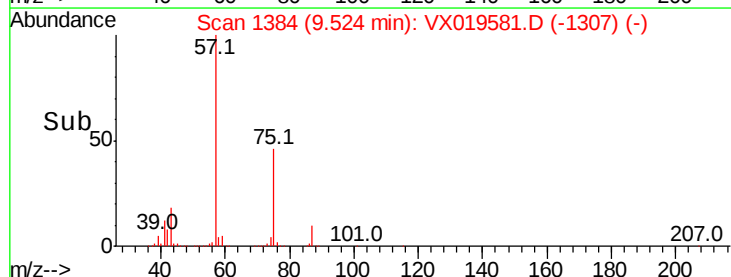
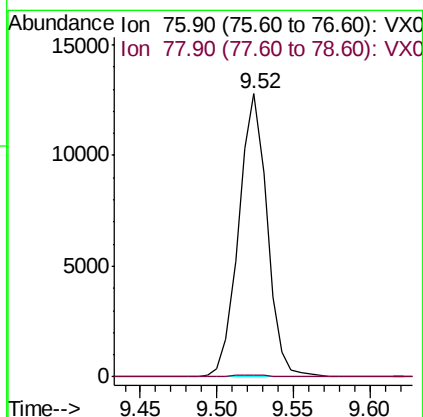
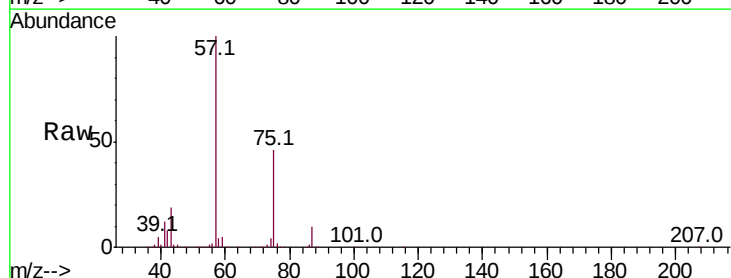
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133157ZHE#11

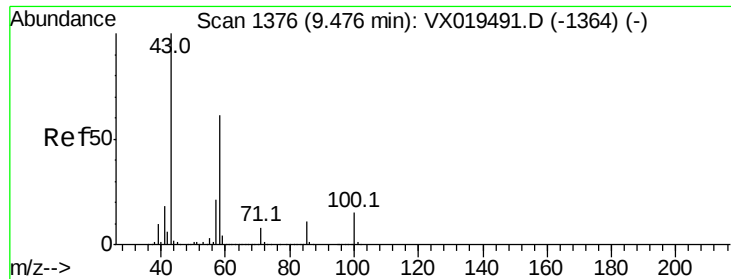
Tot Ion: 75 Resp: 46175
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 25.1 34.6 51.8#



#57
 1,3-Dichloropropane
 Concen: 2.632 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019581.D
 Acq: 24 Nov 2020 03:55

Tgt Ion: 76 Resp: 16514
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.7 38.5#

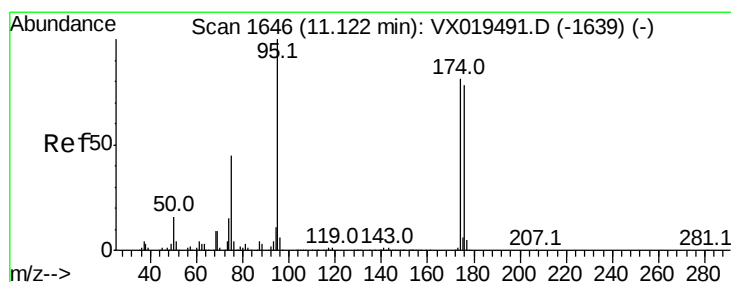
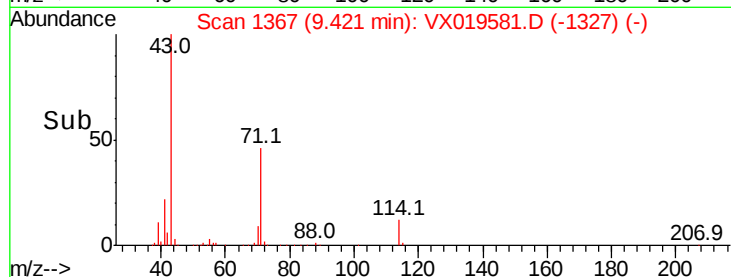
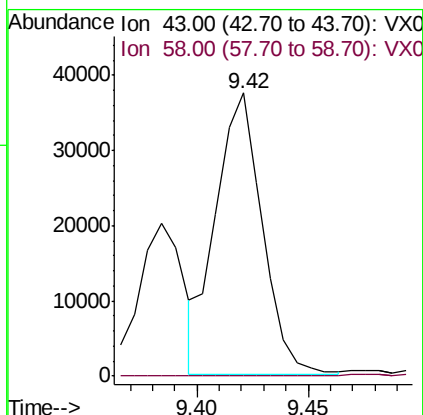
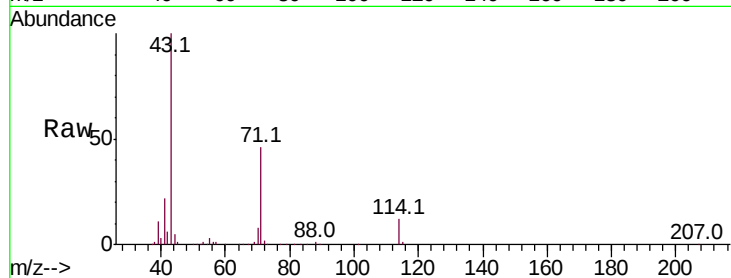




#59
2-Hexanone
Concen: 15.879 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

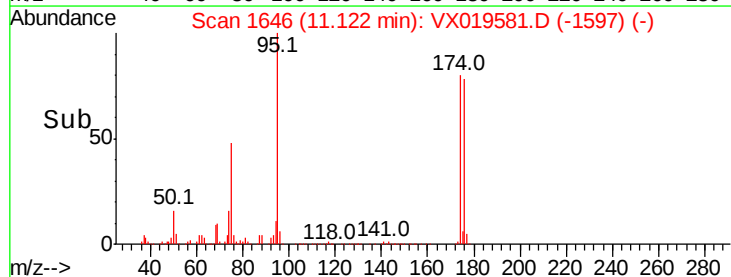
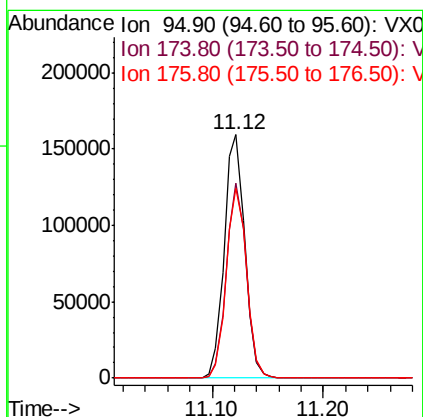
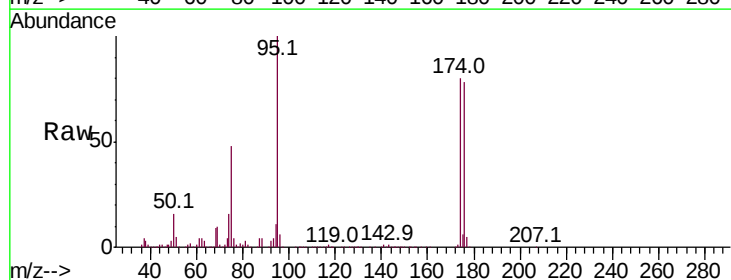
Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

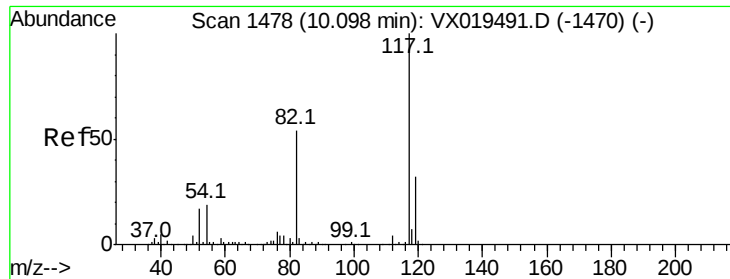
Tot Ion: 43 Resp: 54264
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 44.421 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Tgt Ion: 95 Resp: 203607
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.2
176 77.4 0.0 151.4

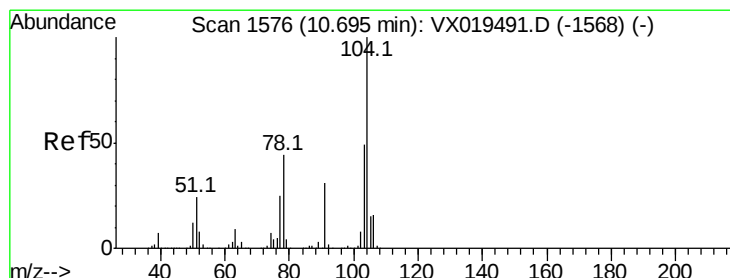
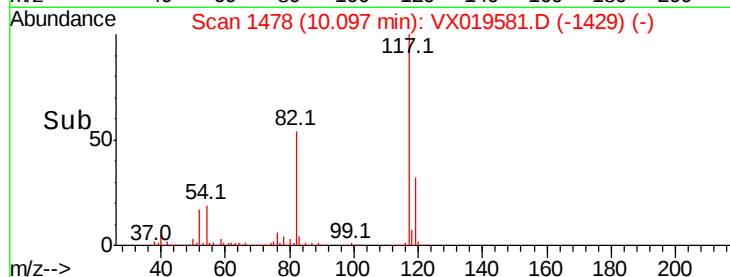
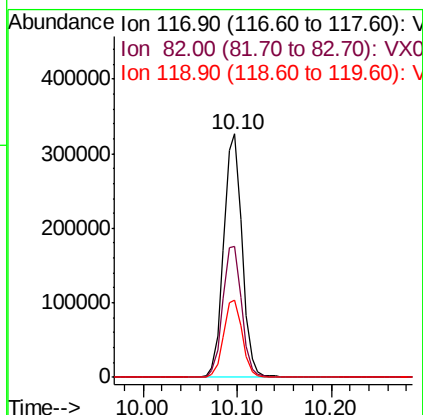
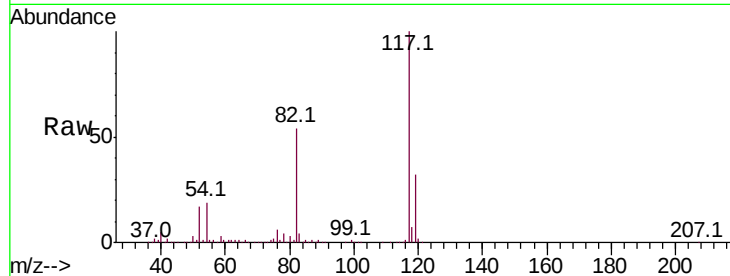




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

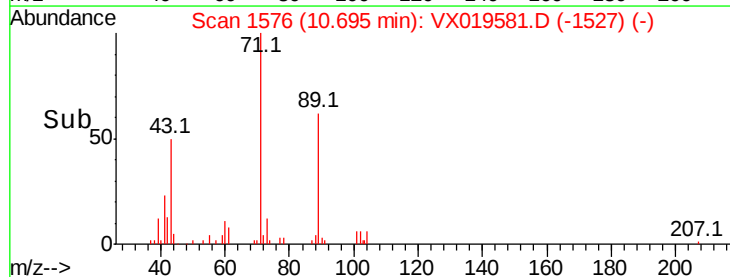
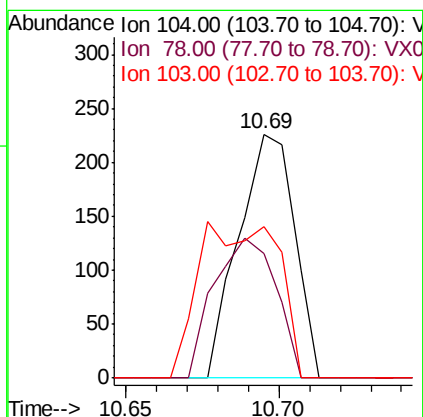
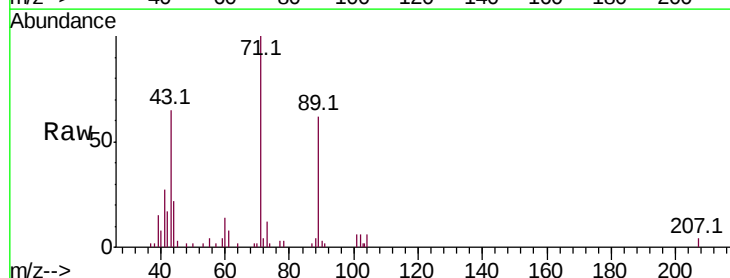
Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

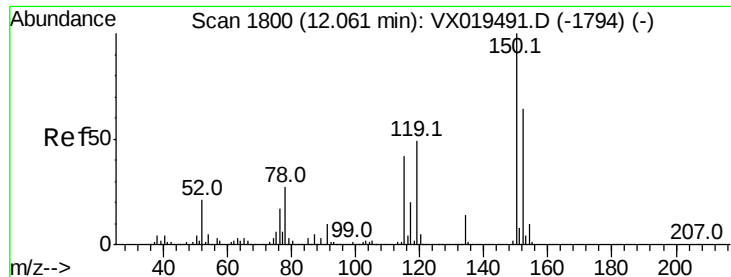
Tot Ion:117 Resp: 443136
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.9 25.6 38.4



#70
Styrene
Concen: 1.672 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Tgt Ion:104 Resp: 286
Ion Ratio Lower Upper
104 100
78 63.6 39.5 59.3#
103 90.2 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: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

PB133157ZHE#11

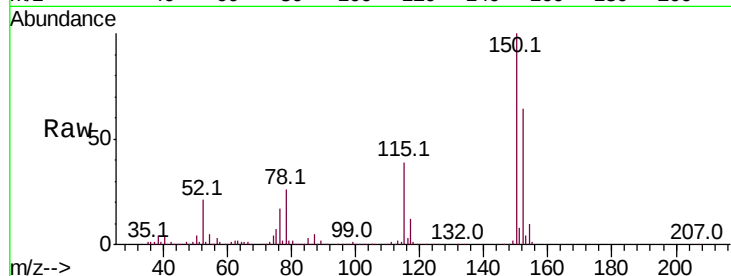
Tot Ion:152 Resp: 180391

Ion Ratio Lower Upper

152 100

115 59.3 41.8 125.4

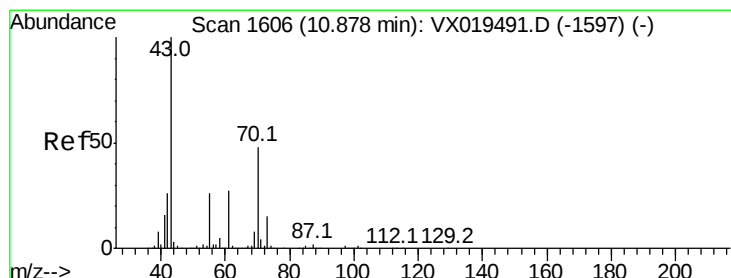
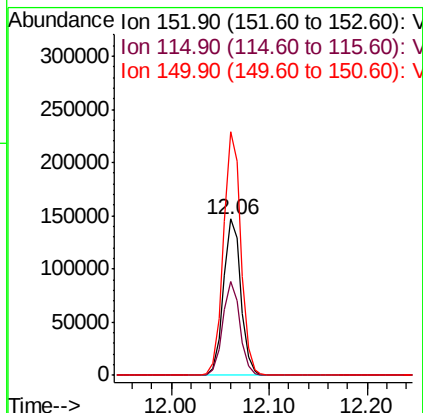
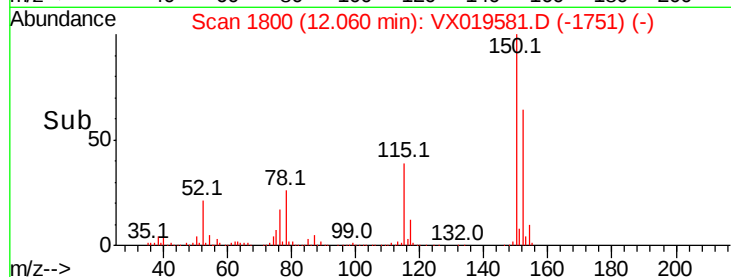
150 155.6 0.0 348.2



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



#74

N-ethyl acetate

Concen: 0.492 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Tgt Ion: 43 Resp: 2300

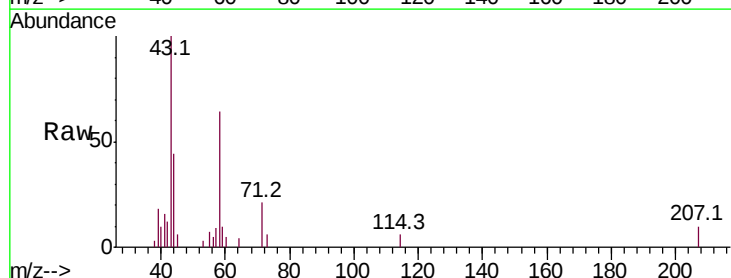
Ion Ratio Lower Upper

43 100

70 0.0 39.7 59.5#

55 9.3 21.8 32.6#

61 0.0 22.2 33.4#

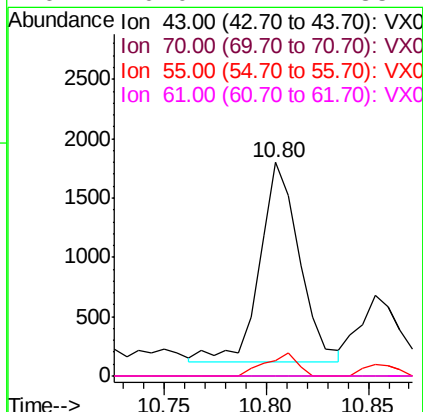
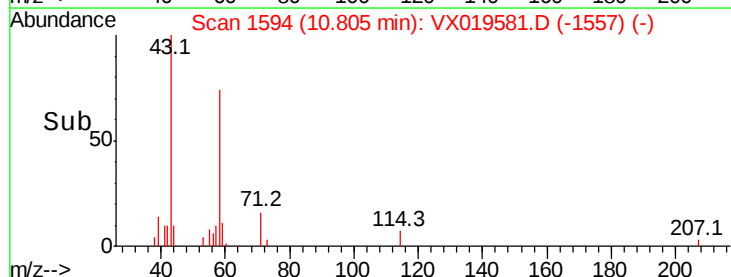


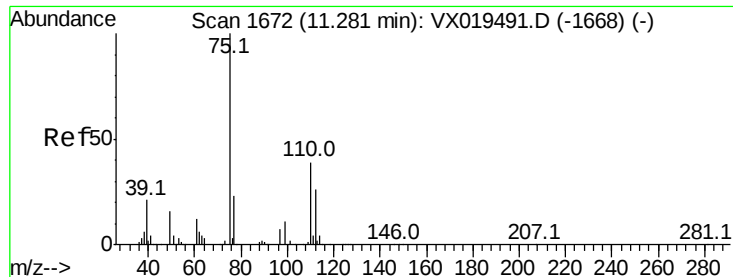
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.064 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019581.D

Acq: 24 Nov 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

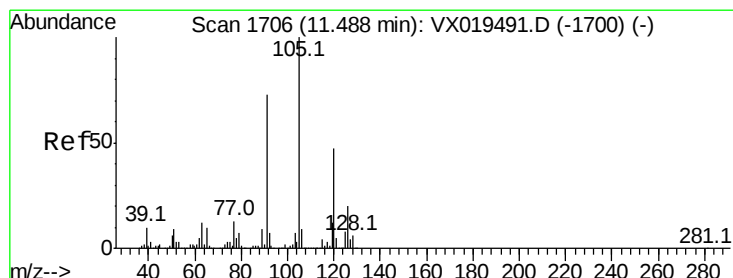
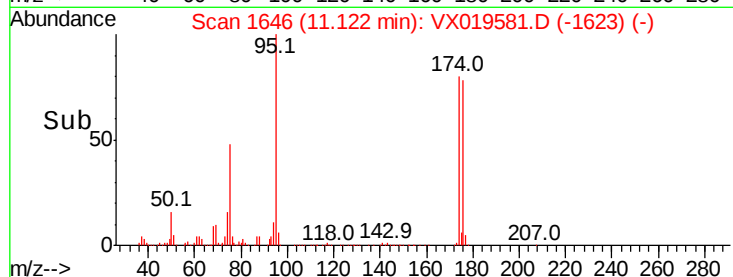
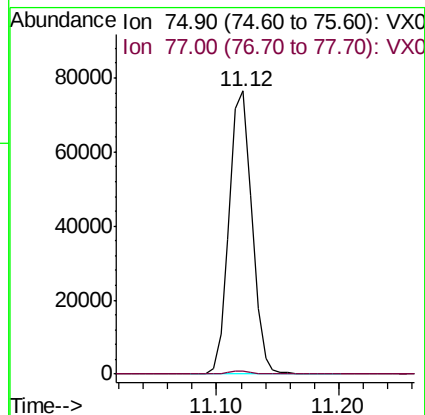
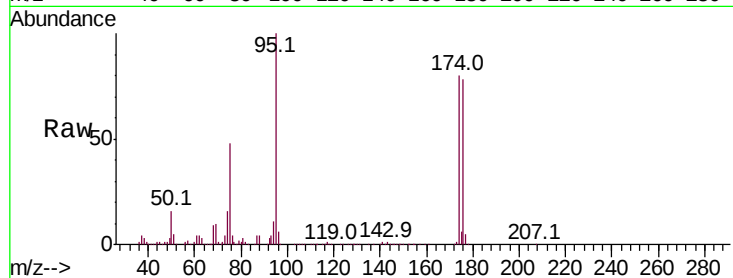
PB133157ZHE#11

Tot Ion: 75 Resp: 98670

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.546 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019581.D

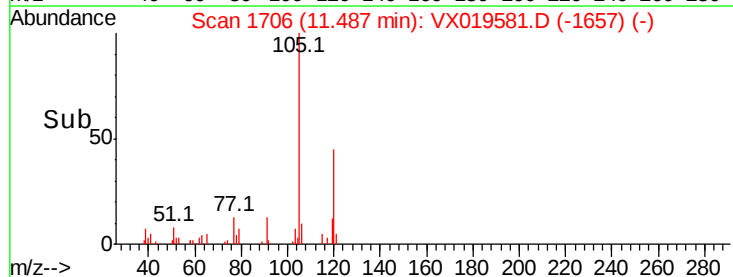
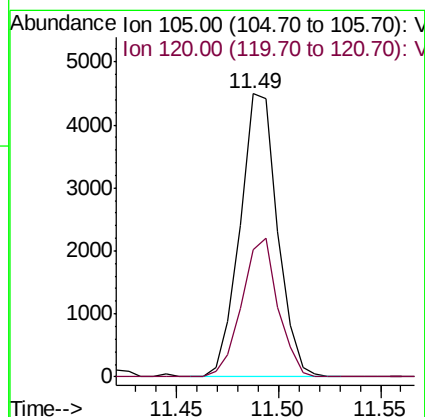
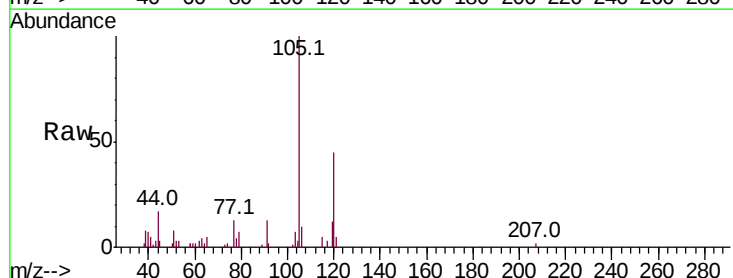
Acq: 24 Nov 2020 03:55

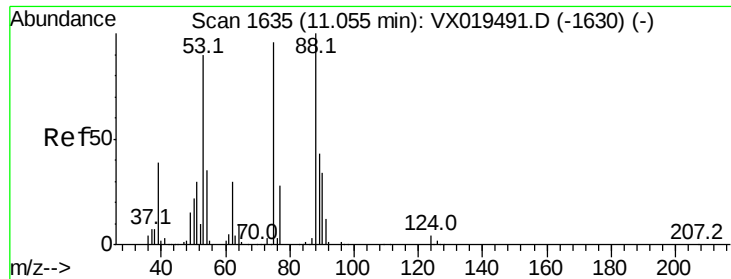
Tgt Ion: 105 Resp: 5720

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.3

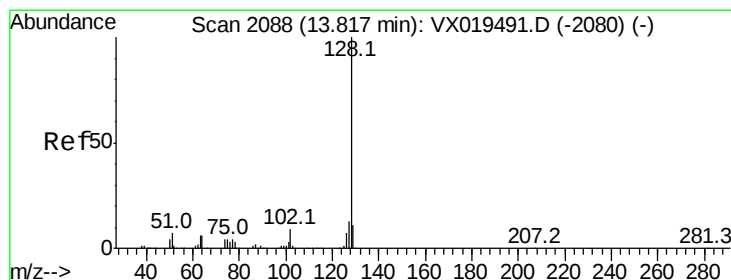
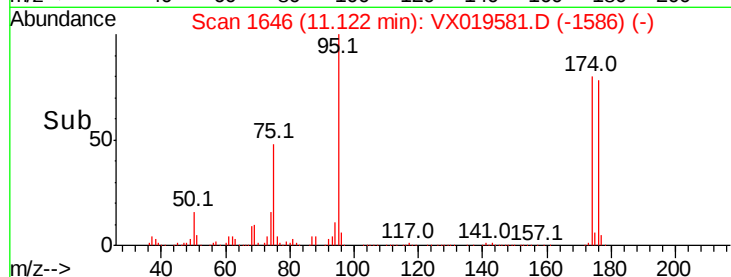
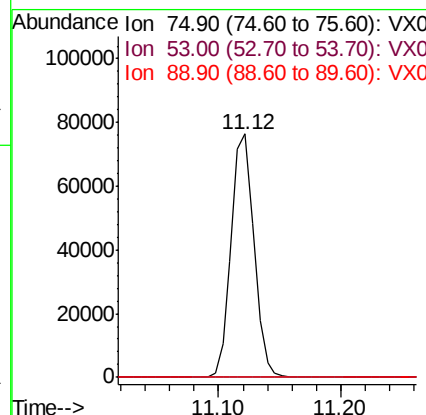
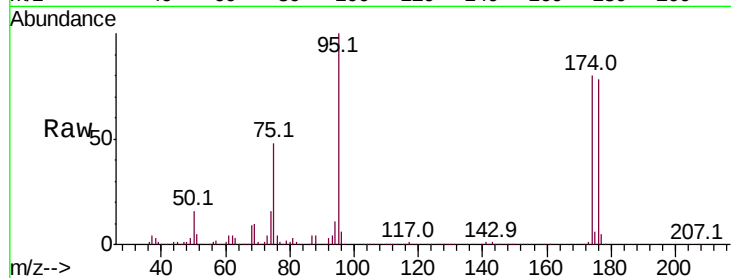




#81
trans-1,4-Dichloro-2-butene
Concen: 66.197 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Instrument :
MSVOA_X
ClientSampleId :
PB133157ZHE#11

Tot Ion: 75 Resp: 98670
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.203 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019581.D
Acq: 24 Nov 2020 03:55

Tgt Ion: 128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

