

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020095.D
 Acq On : 17 Dec 2020 03:35
 Operator : JC/MD
 Sample : PB133632ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133632ZHE#01

Quant Time: Dec 17 06:11:01 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	295419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	500773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206183	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	195562	50.37	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.74%	
35) Dibromofluoromethane		5.46	113	157192	48.57	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.14%	
50) Toluene-d8		8.70	98	623335	50.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.90%	
62) 4-Bromofluorobenzene		11.12	95	222534	47.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.64%	

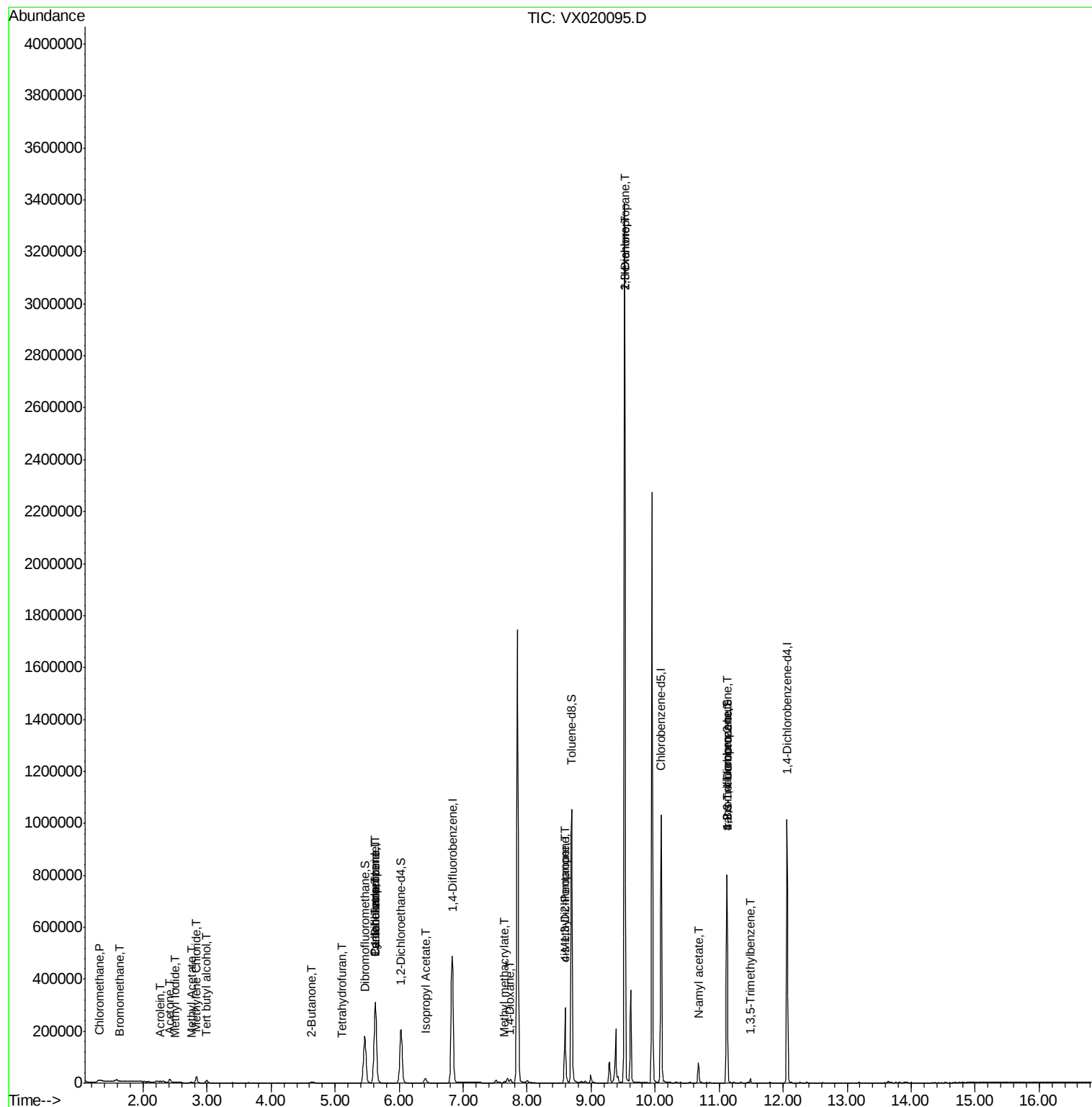
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	875	0.275	ug/l	93
5) Bromomethane	1.63	94	918	0.824	ug/l	93
10) Methyl Iodide	2.49	142	1077	0.273	ug/l #	96
11) Tert butyl alcohol	2.99	59	5844	4.758	ug/l #	76
13) Acrolein	2.28	56	141	0.329	ug/l #	1
16) Acetone	2.42	43	13254	9.082	ug/l	95
18) Methyl Acetate	2.75	43	2565	0.718	ug/l	91
20) Methylene Chloride	2.83	84	11593	2.118	ug/l	96
25) 2-Butanone	4.64	43	3594	1.603	ug/l	91
29) Tetrahydrofuran	5.11	42	673	0.466	ug/l #	68
31) Cyclohexane	5.63	56	5770	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23359	5.162	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29170	6.583	ug/l #	17
43) Isopropyl Acetate	6.41	43	24968	3.361	ug/l	97
48) Methyl methacrylate	7.65	41	7610	2.083	ug/l #	10
49) 1,4-Dioxane	7.73	88	22	0.249	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	90103	19.868	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	47775	8.560	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	30912	5.196	ug/l #	43
59) 2-Hexanone	9.52	43	374396	106.505	ug/l #	46
74) N-amyl acetate	10.68	43	16865	2.988	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	108207	23.399	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6608	0.556	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	108207	67.644	ug/l #	12

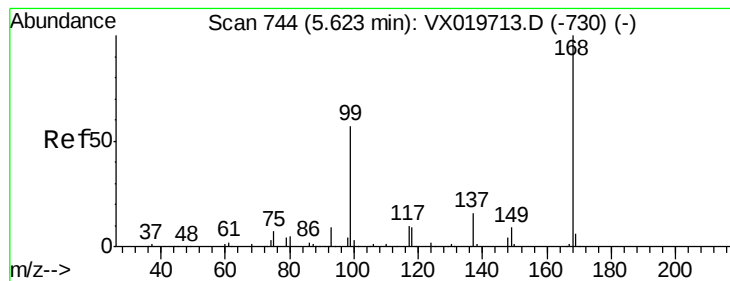
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
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Instrument :
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ClientSampleId :
PB133632ZHE#01

Quant Time: Dec 17 06:11:01 2020
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: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

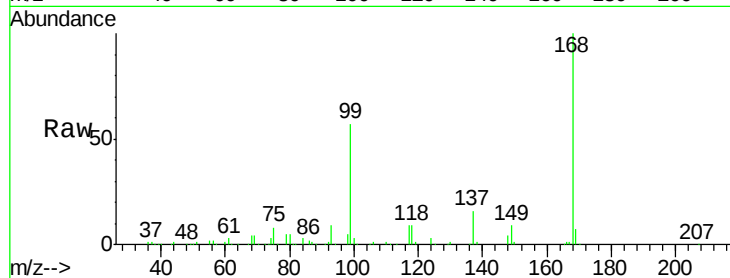
PB133632ZHE#01

Tgt Ion:168 Resp: 295419

Ion Ratio Lower Upper

168 100

99 56.8 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

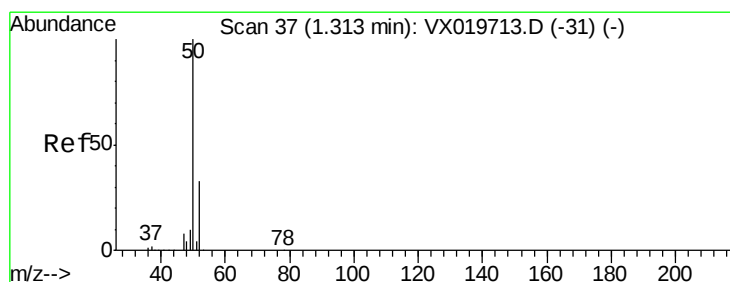
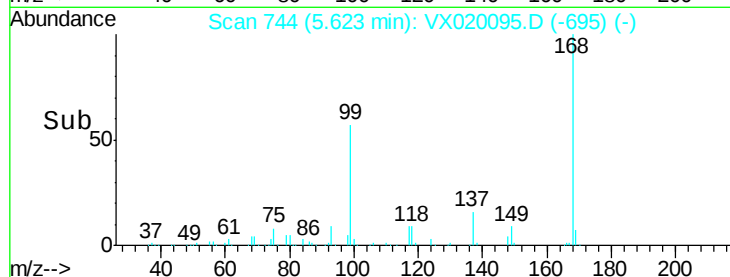
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX020095.D

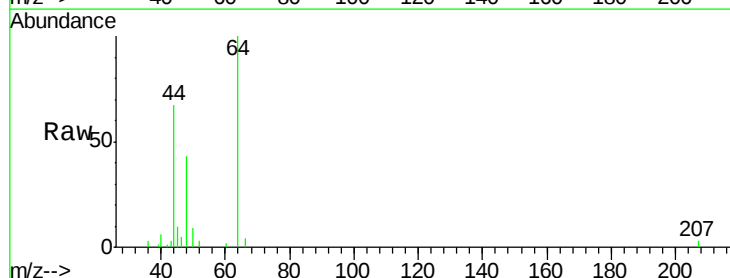
Acq: 17 Dec 2020 03:35

Tgt Ion: 50 Resp: 875

Ion Ratio Lower Upper

50 100

52 29.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

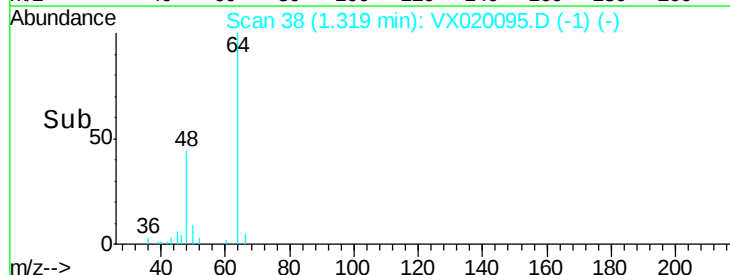
300

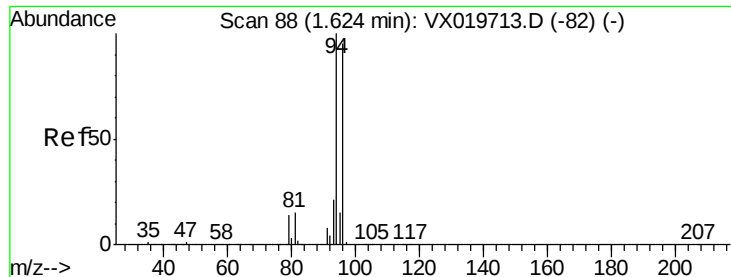
200

100

0

Time-->





#5

Bromomethane

Concen: 0.824 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

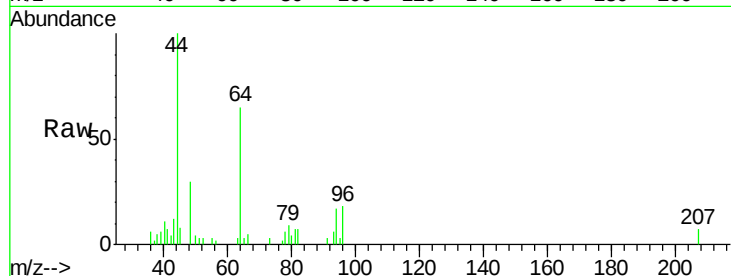
PB133632ZHE#01

Tgt Ion: 94 Resp: 918

Ion Ratio Lower Upper

94 100

96 102.5 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

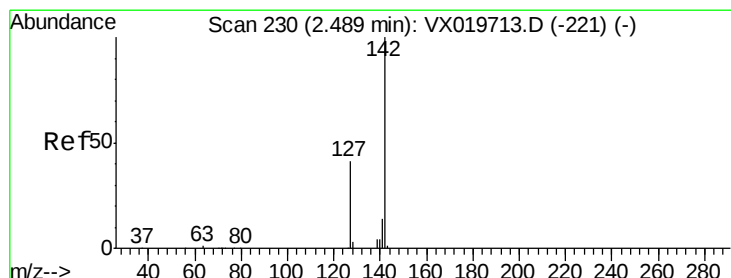
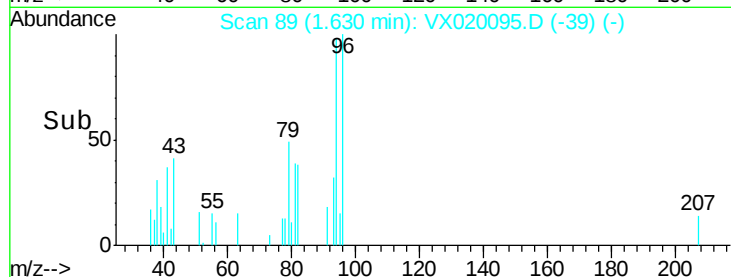
200

100

0

1.55 1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 0.273 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

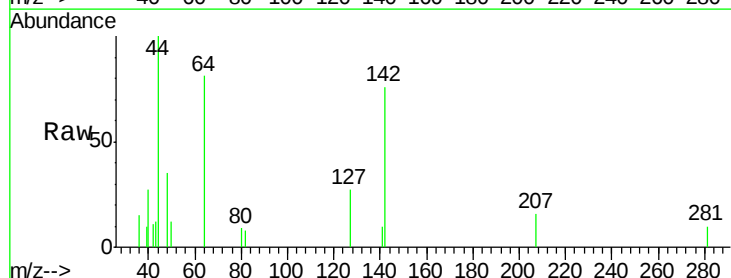
Tgt Ion: 142 Resp: 1077

Ion Ratio Lower Upper

142 100

127 41.2 33.3 49.9

141 8.8 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

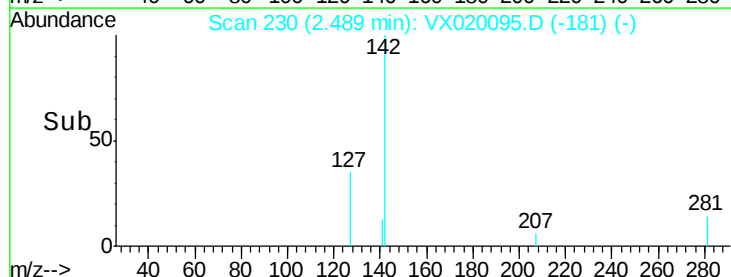
400

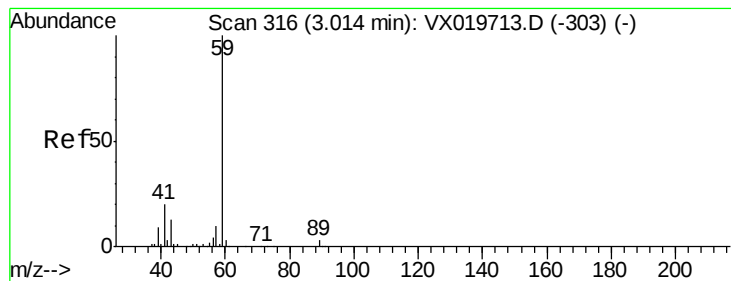
200

0

2.45 2.50 2.55

Time-->





#11

Tert butyl alcohol

Concen: 4.758 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

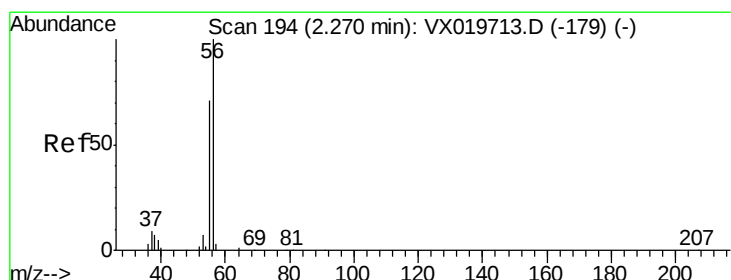
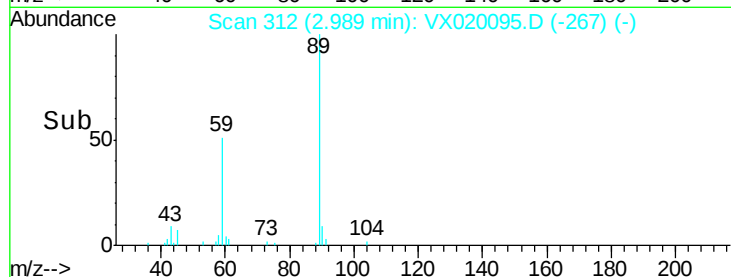
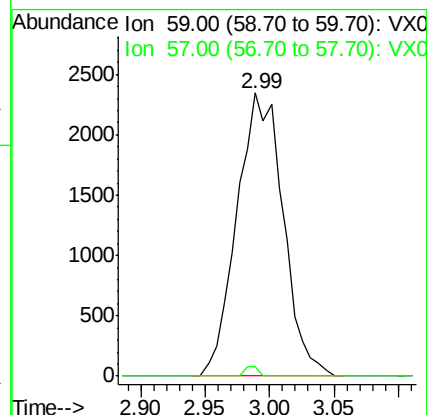
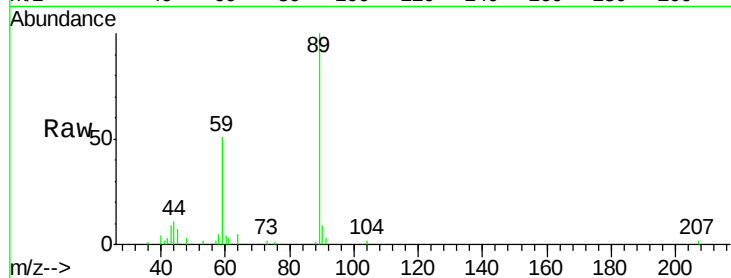
PB133632ZHE#01

Tgt Ion: 59 Resp: 5844

Ion Ratio Lower Upper

59 100

57 1.0 7.8 11.8#



#13

Acrolein

Concen: 0.329 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX020095.D

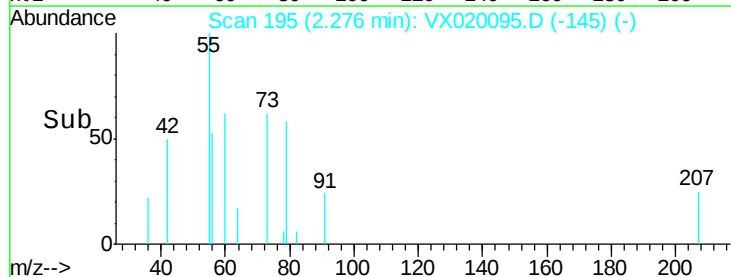
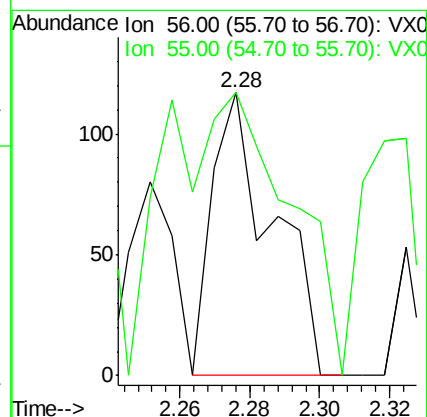
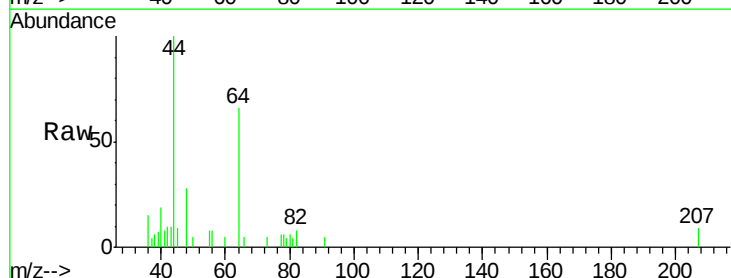
Acq: 17 Dec 2020 03:35

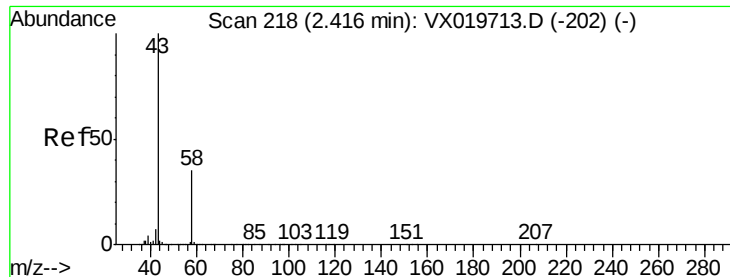
Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 204.3 56.4 84.6#





#16

Acetone

Concen: 9.082 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

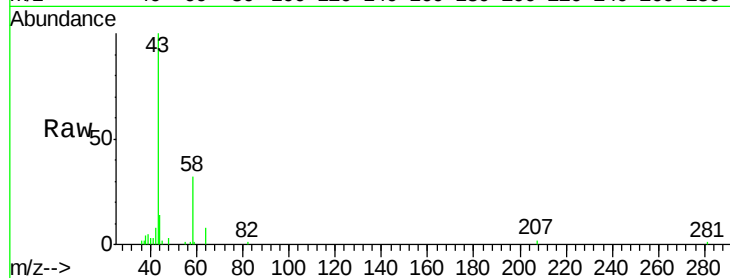
PB133632ZHE#01

Tgt Ion: 43 Resp: 13254

Ion Ratio Lower Upper

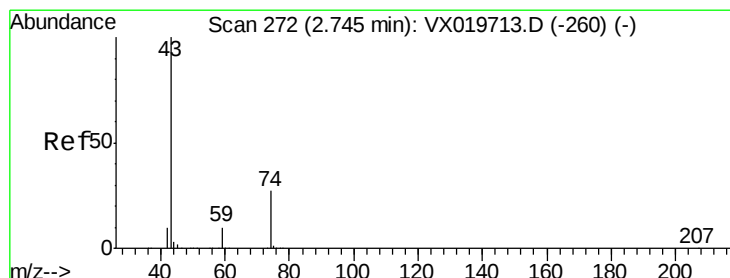
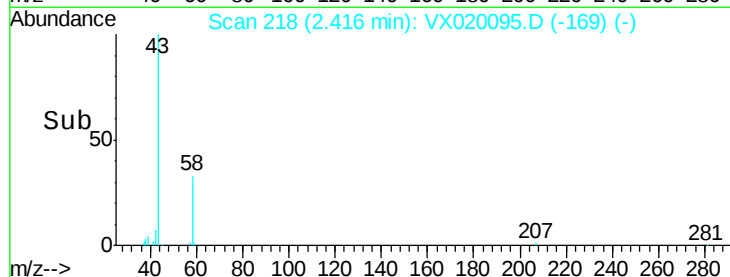
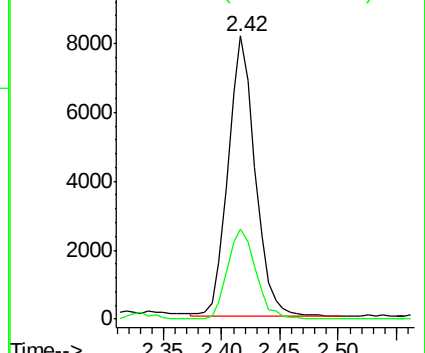
43 100

58 32.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.718 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020095.D

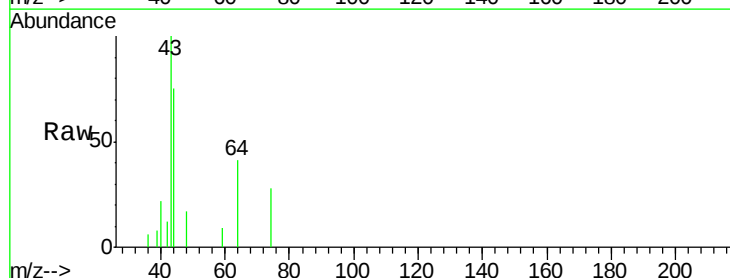
Acq: 17 Dec 2020 03:35

Tgt Ion: 43 Resp: 2565

Ion Ratio Lower Upper

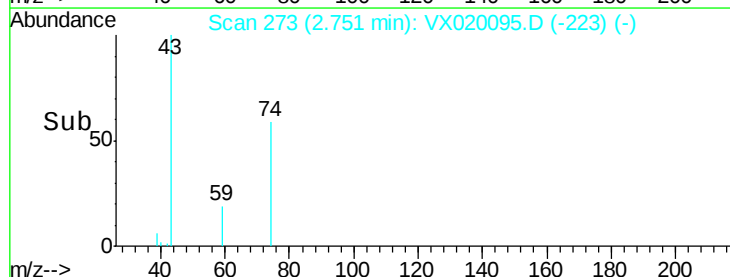
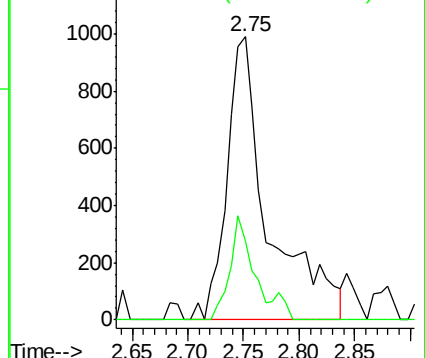
43 100

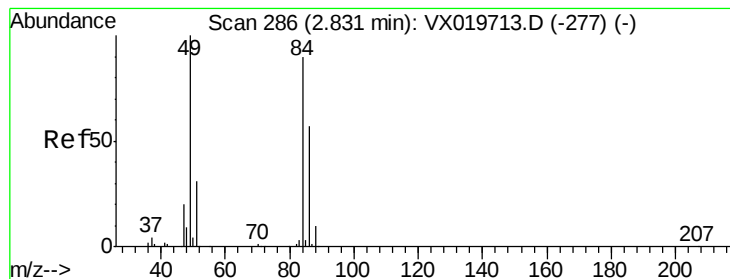
74 22.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 2.118 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

PB133632ZHE#01

Tgt Ion: 84 Resp: 11593

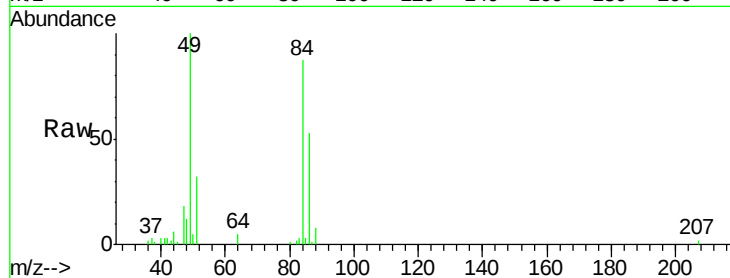
Ion Ratio Lower Upper

84 100

49 114.8 88.6 132.8

51 37.0 27.0 40.6

86 61.1 50.3 75.5

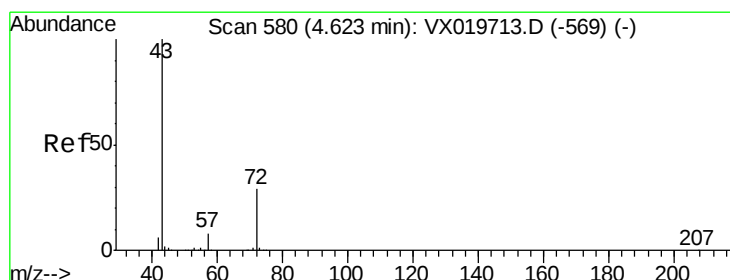
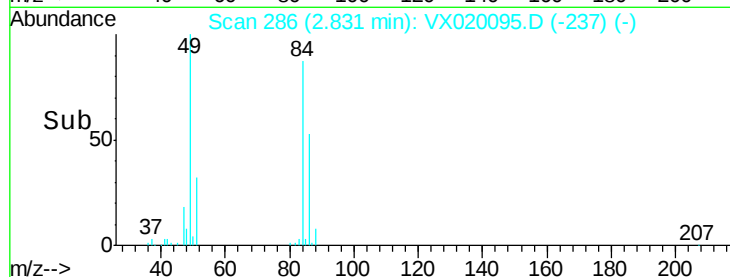
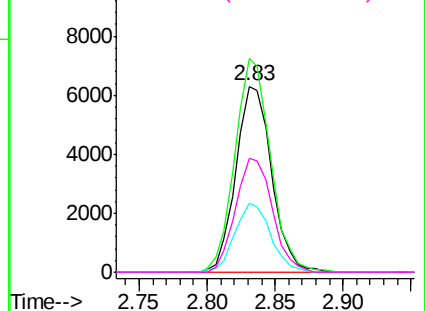


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.603 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020095.D

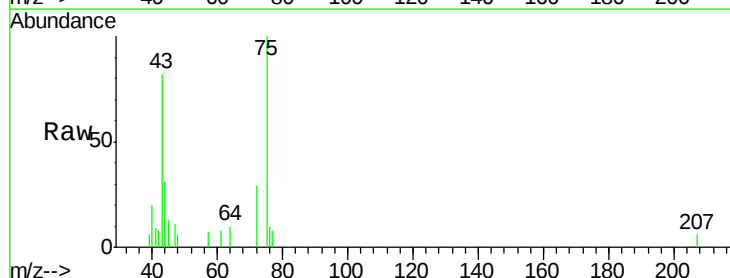
Acq: 17 Dec 2020 03:35

Tgt Ion: 43 Resp: 3594

Ion Ratio Lower Upper

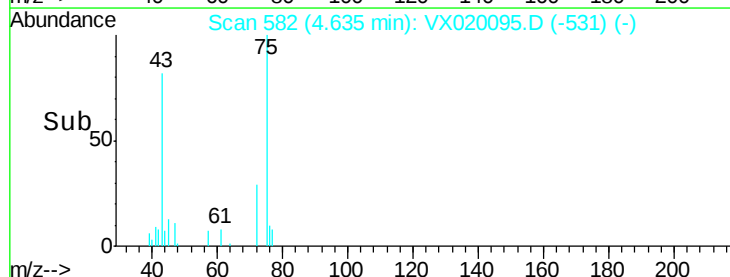
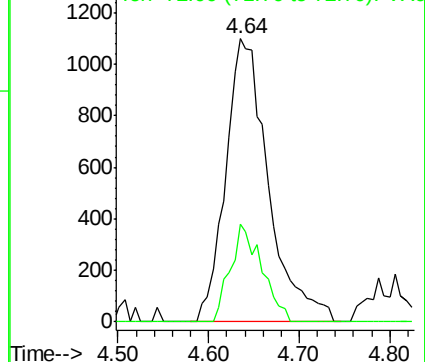
43 100

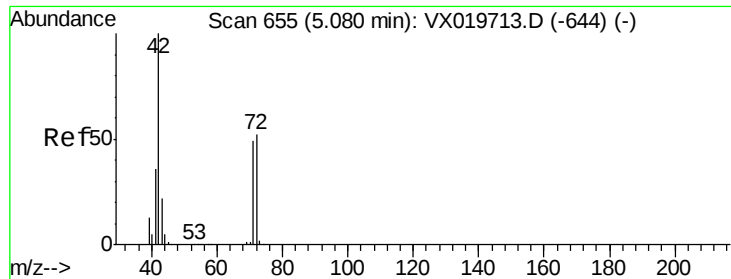
72 34.6 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

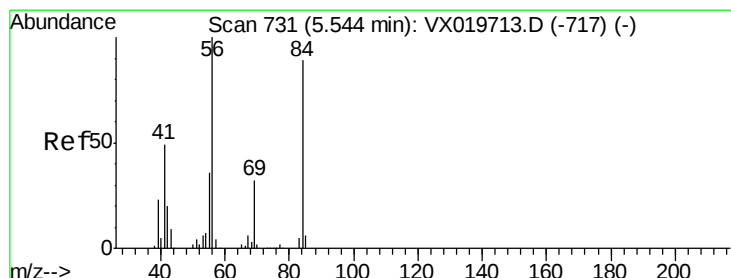
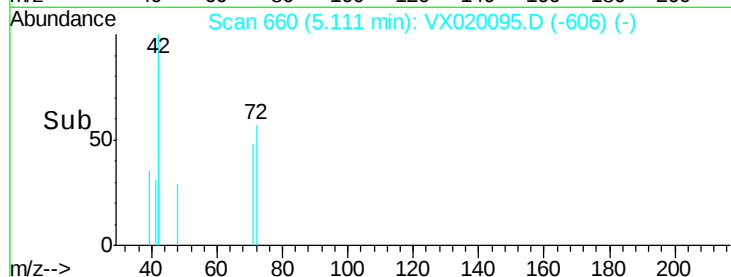
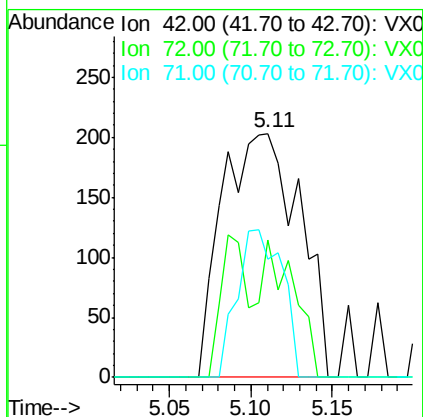
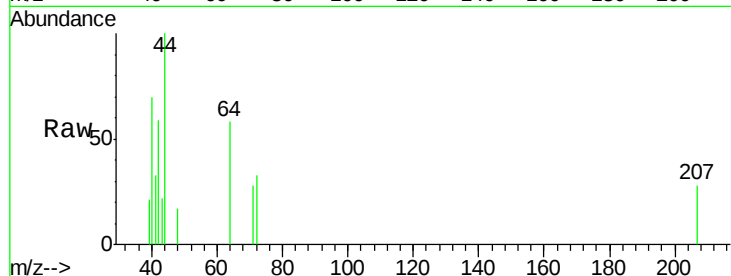




#29
Tetrahydrofuran
Concen: 0.466 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.03 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

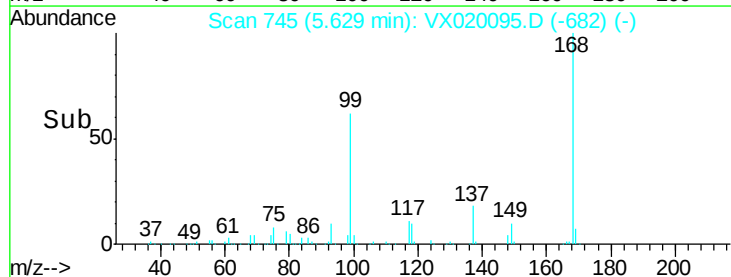
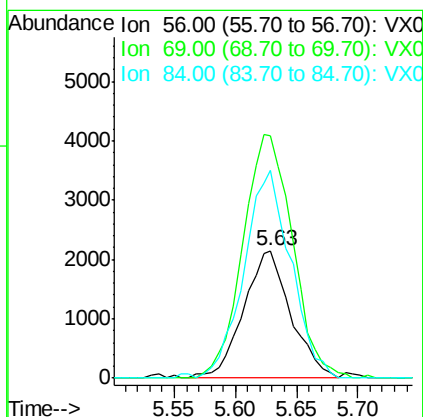
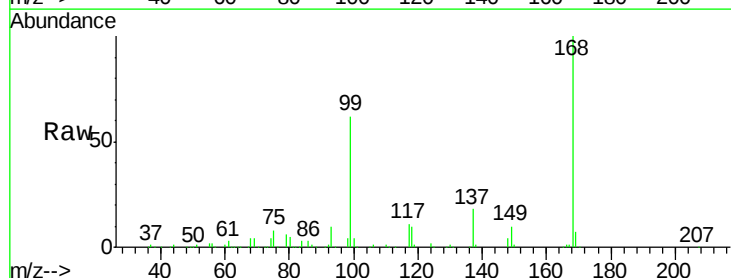
Instrument :
MSVOA_X
ClientSampleId :
PB133632ZHE#01

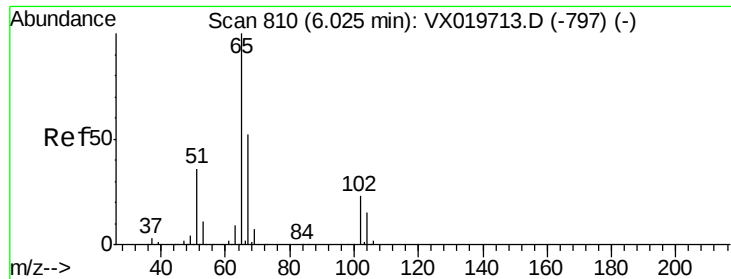
Tgt Ion: 42 Resp: 673
Ion Ratio Lower Upper
42 100
72 21.5 41.7 62.5#
71 34.9 38.4 57.6#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Tgt Ion: 56 Resp: 5770
Ion Ratio Lower Upper
56 100
69 190.5 25.3 37.9#
84 162.8 71.4 107.0#

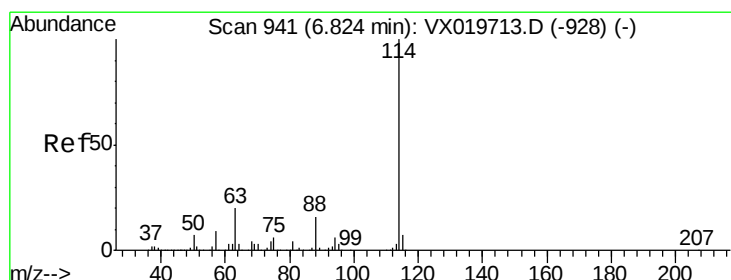
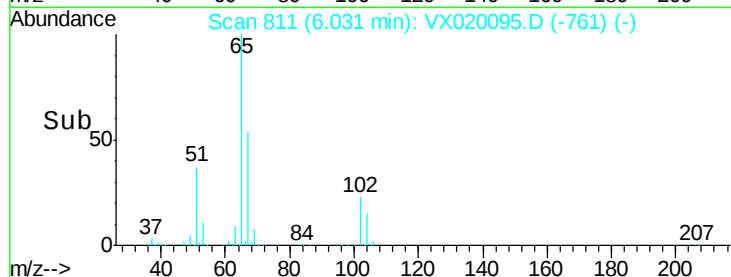
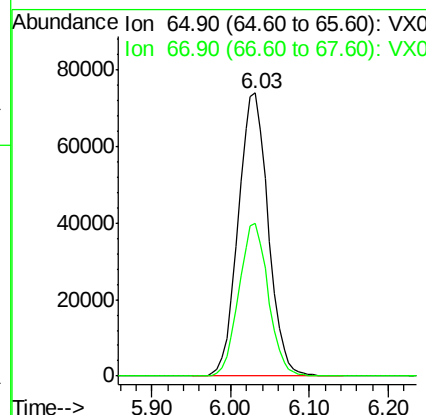
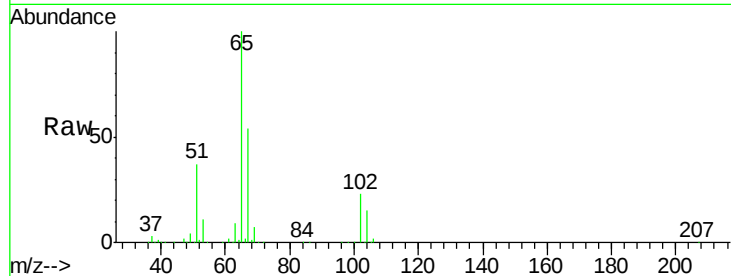




#33
 1,2-Dichloroethane-d4
 Concen: 50.368 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

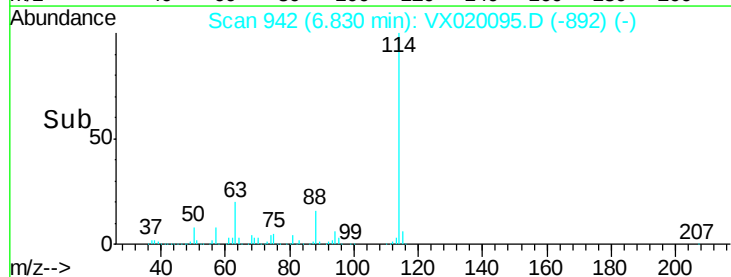
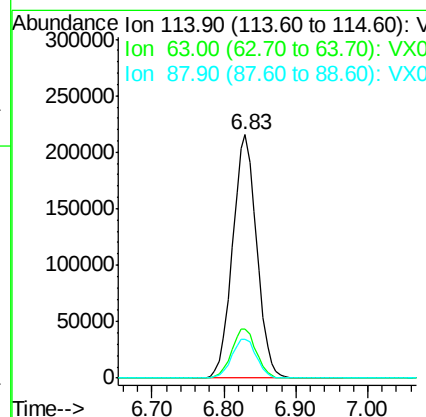
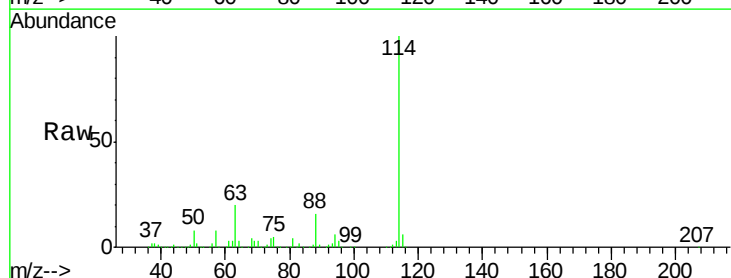
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133632ZHE#01

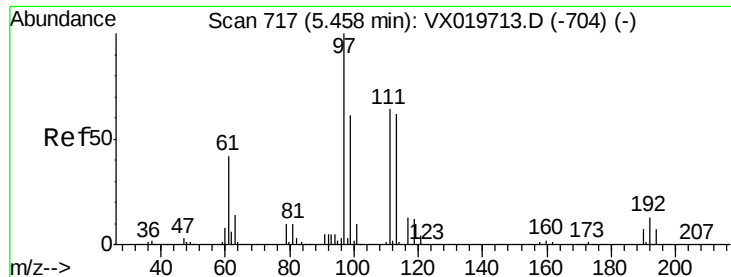
Tgt Ion: 65 Resp: 195562
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

Tgt Ion: 114 Resp: 500773
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.2 0.0 32.8

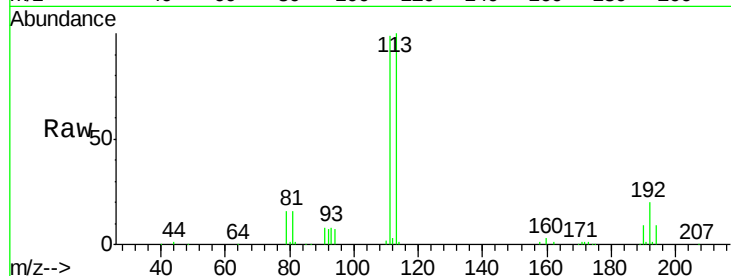




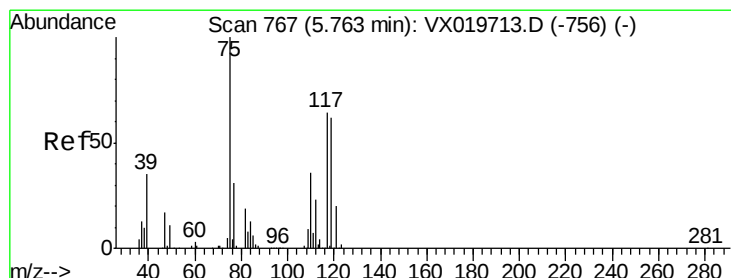
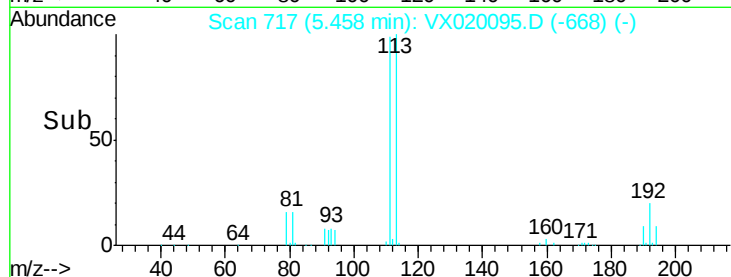
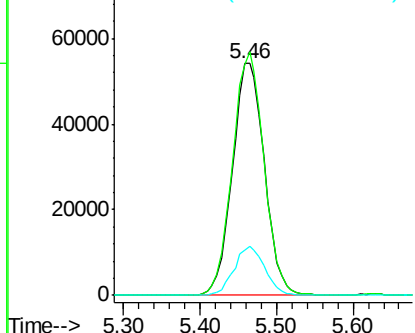
#35
Dibromofluoromethane
Concen: 48.570 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Instrument :
MSVOA_X
ClientSampleId :
PB133632ZHE#01

Tgt Ion:113 Resp: 157192
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.2 16.7 25.1

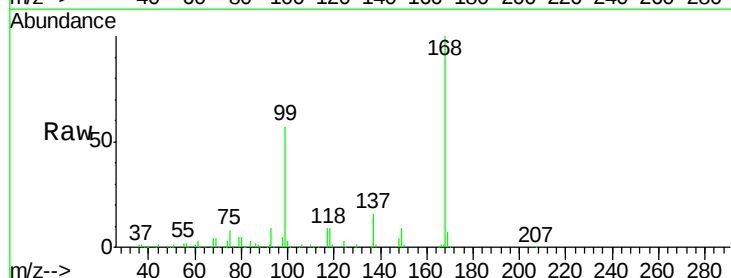


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

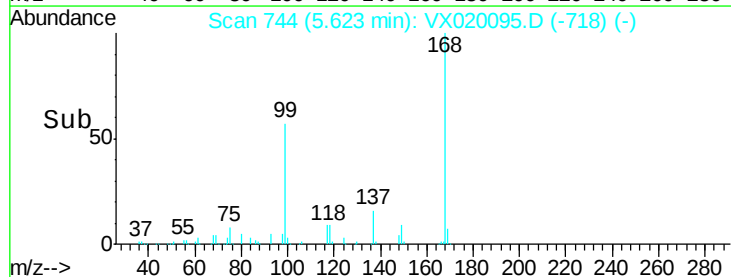
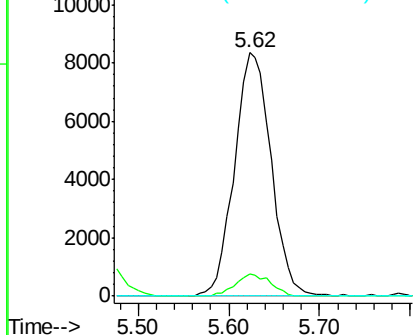


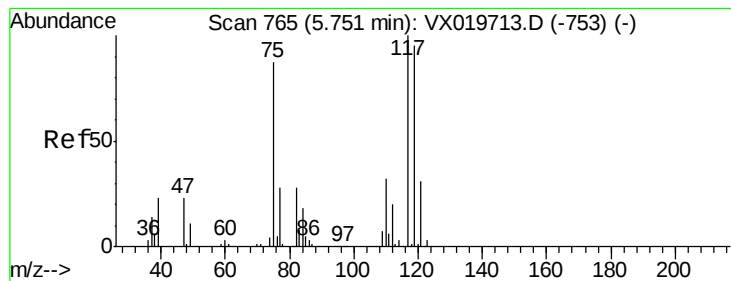
#36
1,1-Dichloropropene
Concen: 5.162 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.14 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Tgt Ion: 75 Resp: 23359
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



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: 6.583 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

PB133632ZHE#01

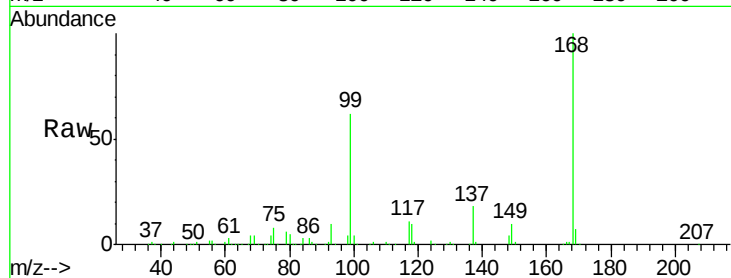
Tgt Ion:117 Resp: 29170

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

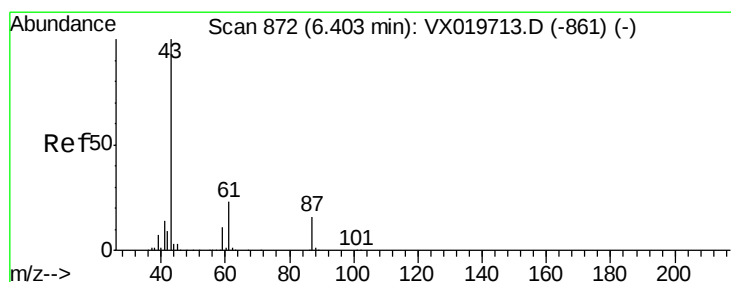
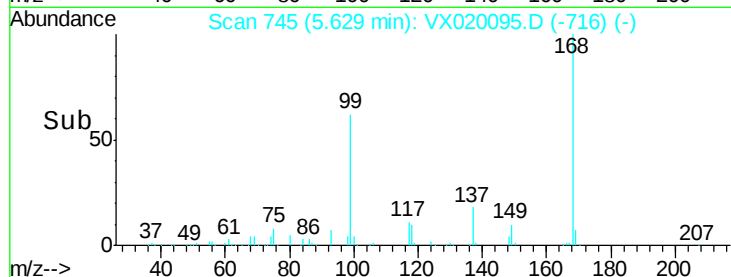
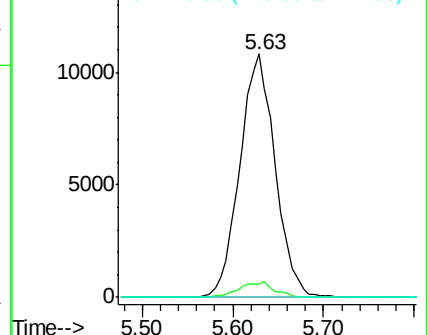
121 0.0 24.8 37.2#



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: 3.361 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

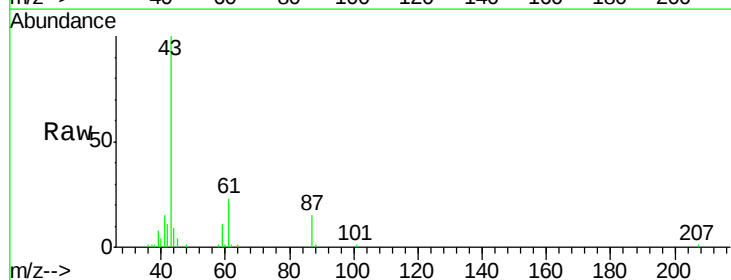
Tgt Ion: 43 Resp: 24968

Ion Ratio Lower Upper

43 100

61 21.5 18.2 27.4

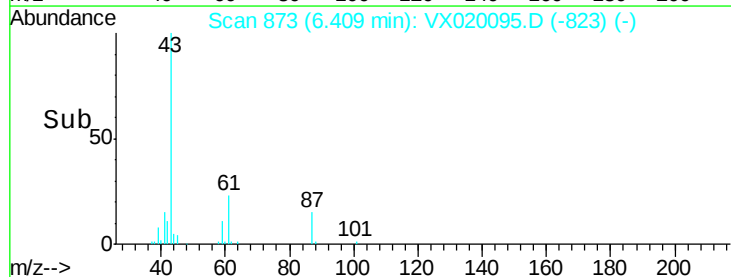
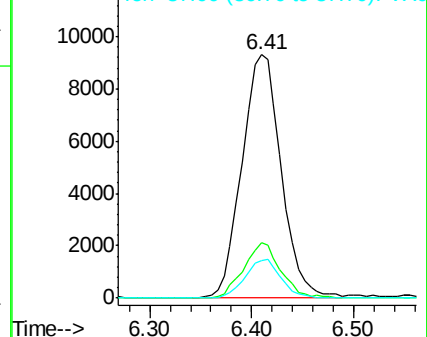
87 14.7 12.5 18.7

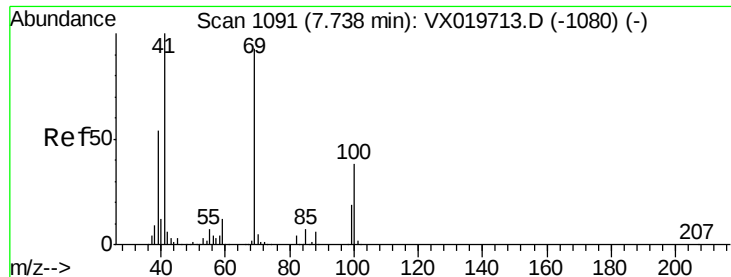


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

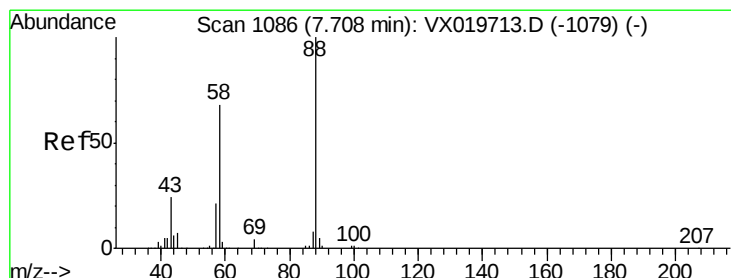
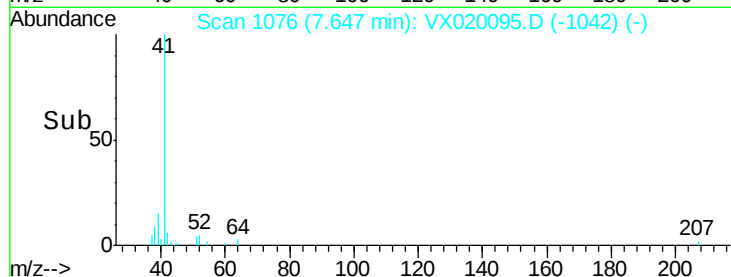
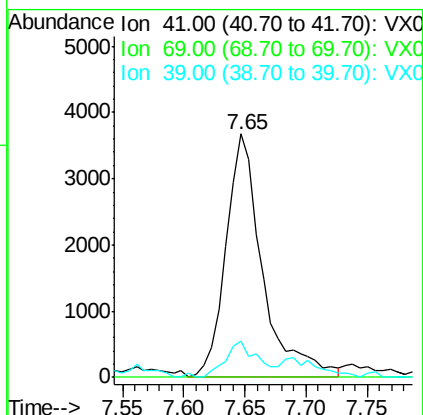
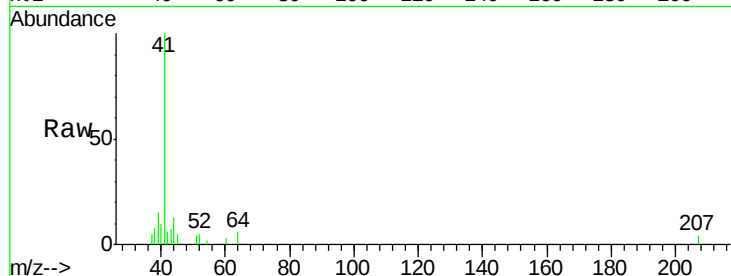




#48
Methyl methacrylate
Concen: 2.083 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

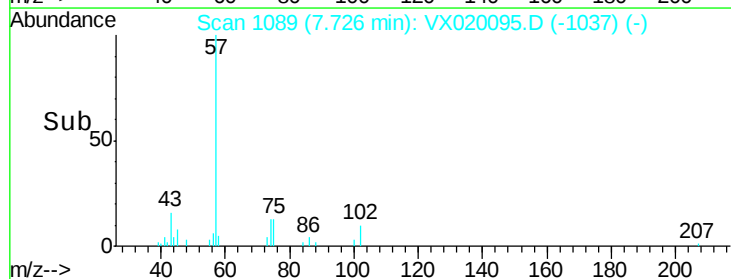
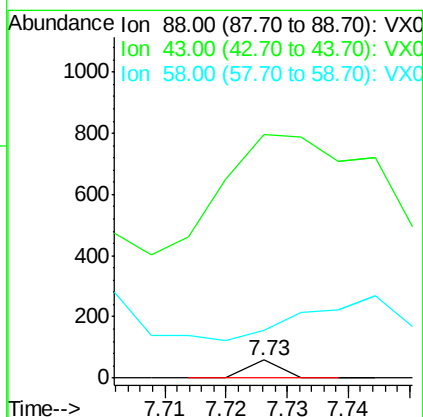
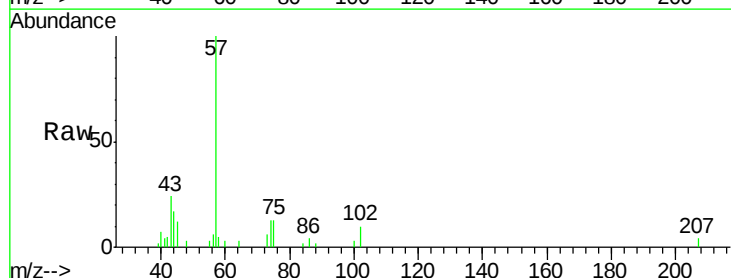
Instrument :
MSVOA_X
ClientSampleId :
PB133632ZHE#01

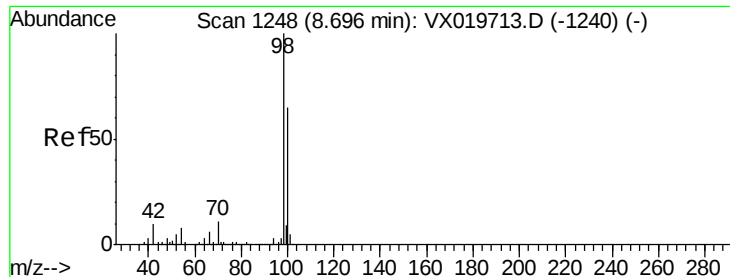
Tgt Ion: 41 Resp: 7610
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.249 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.02 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 2018.2 55.0 82.4#





#50

Toluene-d8

Concen: 50.449 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

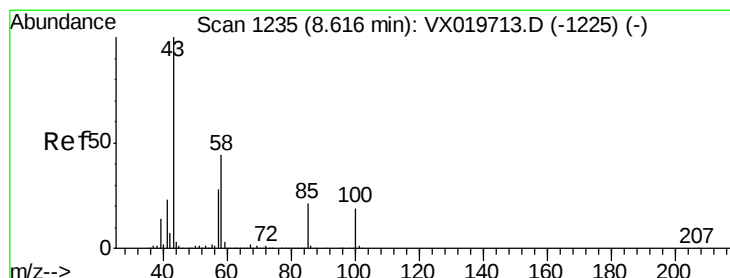
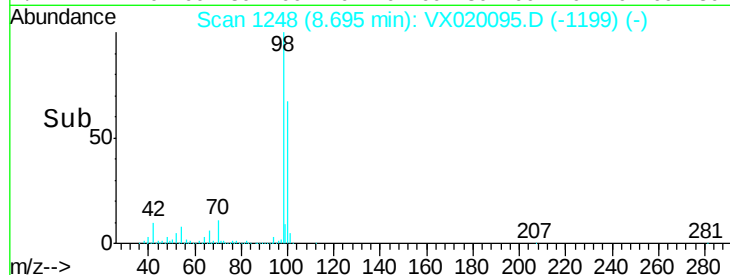
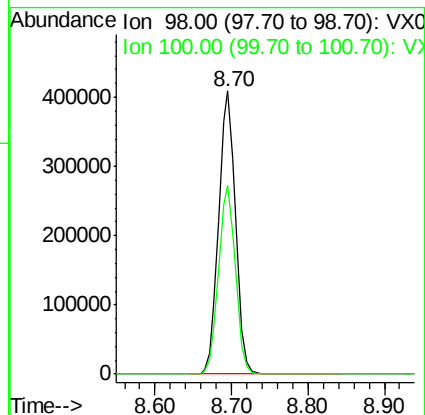
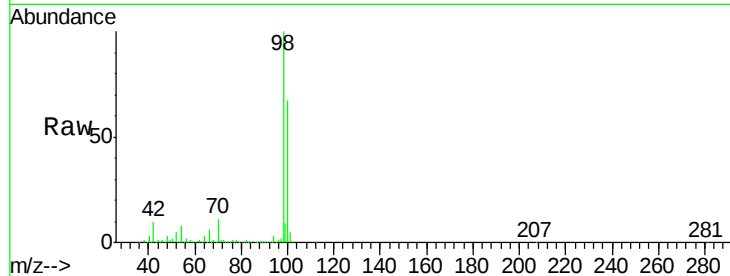
PB133632ZHE#01

Tgt Ion: 98 Resp: 623335

Ion Ratio Lower Upper

98 100

100 66.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 19.868 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020095.D

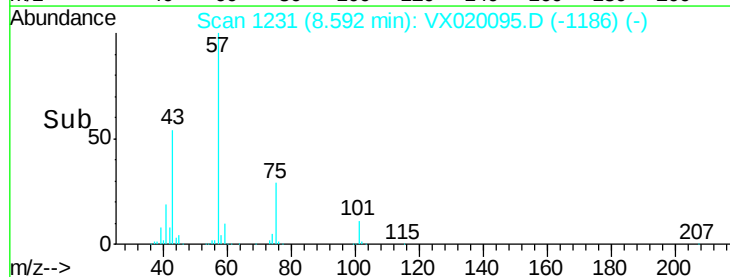
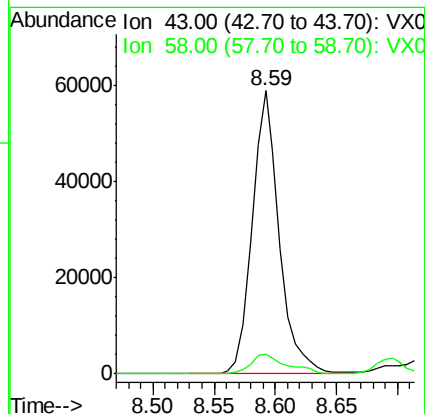
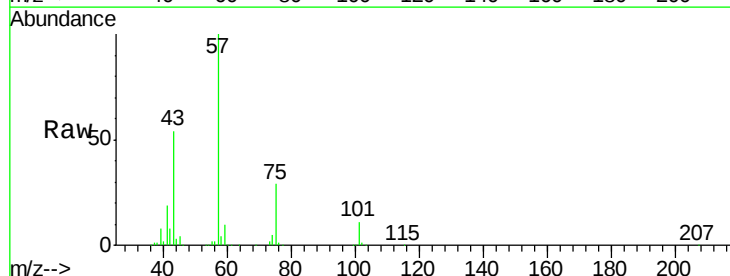
Acq: 17 Dec 2020 03:35

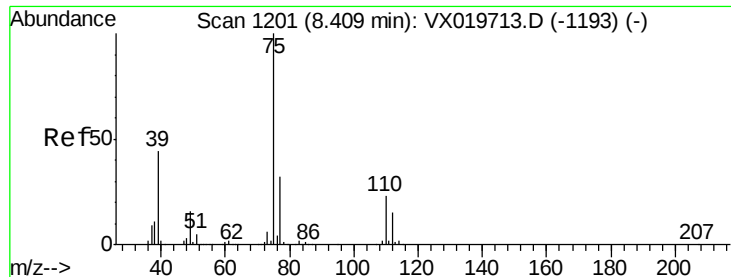
Tgt Ion: 43 Resp: 90103

Ion Ratio Lower Upper

43 100

58 9.5 35.4 53.0#



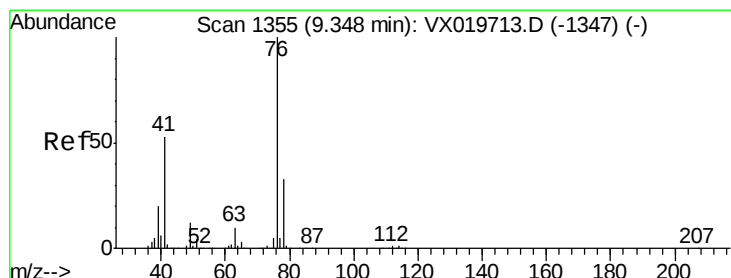
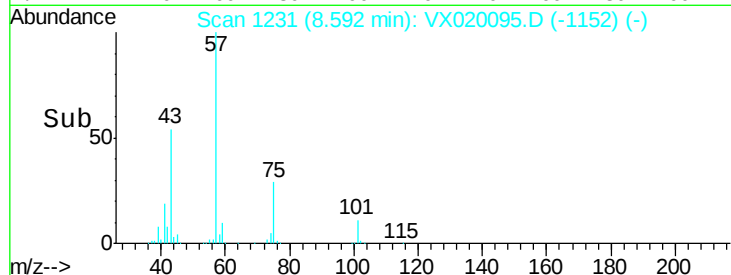
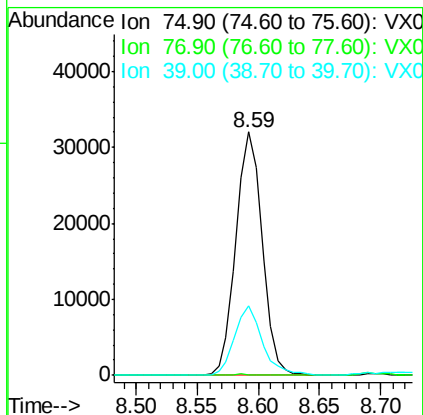
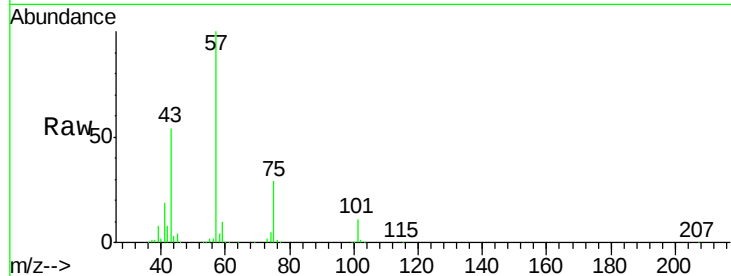


#54

cis-1,3-Dichloropropene
 Concen: 8.560 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133632ZHE#01

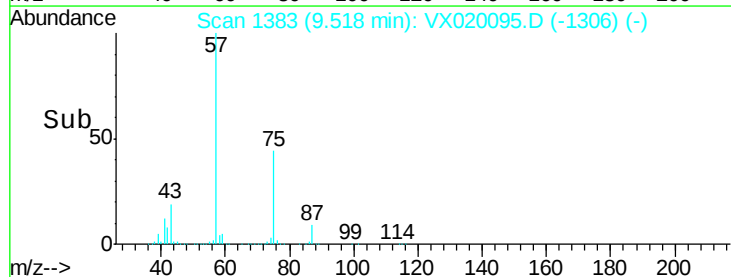
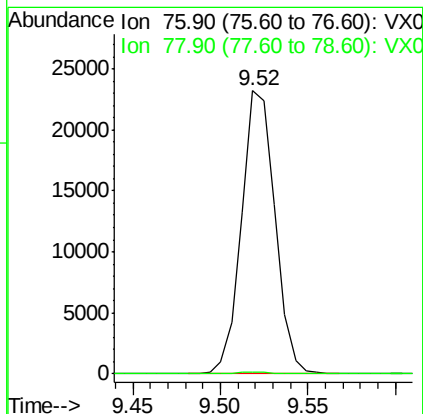
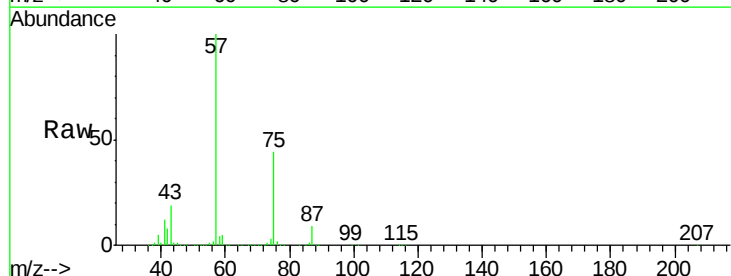
Tgt Ion: 75 Resp: 47775
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 28.5 35.1 52.7#

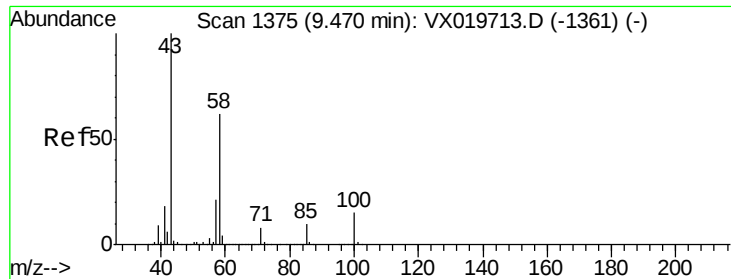


#57

1,3-Dichloropropane
 Concen: 5.196 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

Tgt Ion: 76 Resp: 30912
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

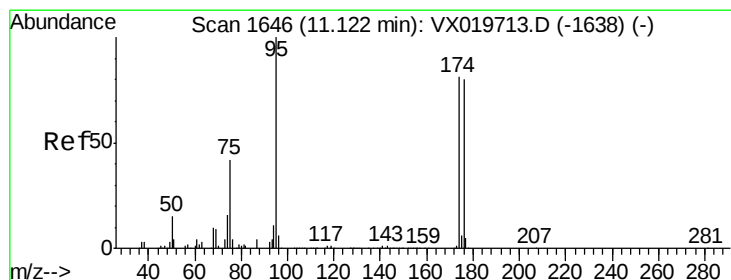
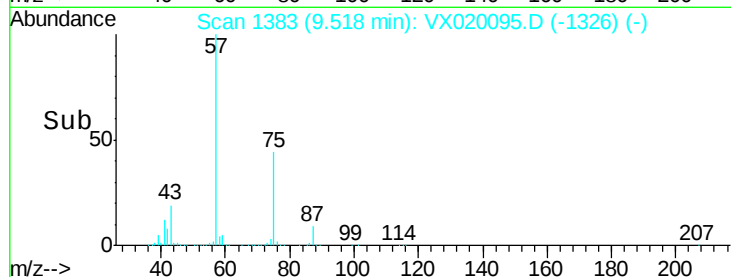
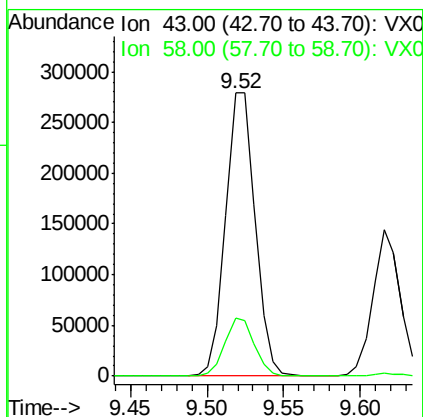
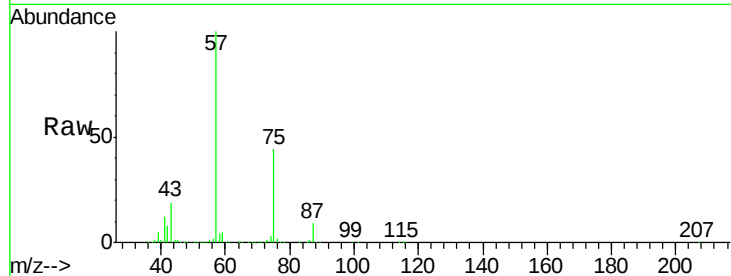




#59
2-Hexanone
Concen: 106.505 ug/l
RT: 9.52 min Scan# 1383
Delta R.T. 0.05 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

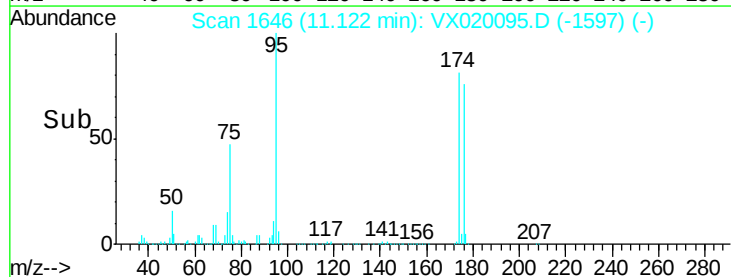
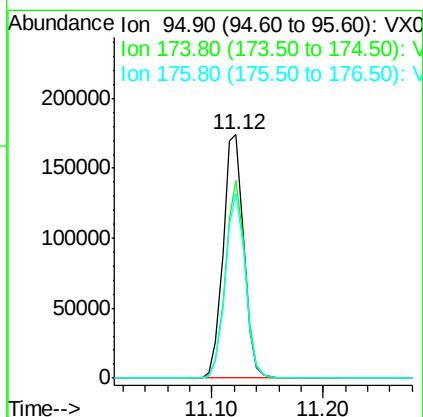
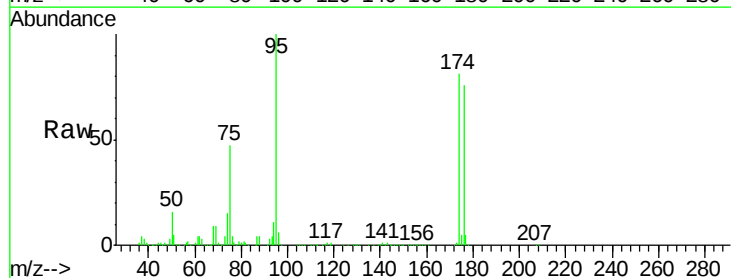
Instrument :
MSVOA_X
ClientSampleId :
PB133632ZHE#01

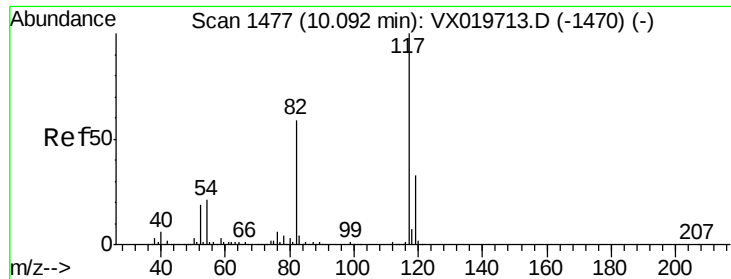
Tgt Ion: 43 Resp: 374396
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.320 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Tgt Ion: 95 Resp: 222534
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.6
176 73.2 0.0 155.8

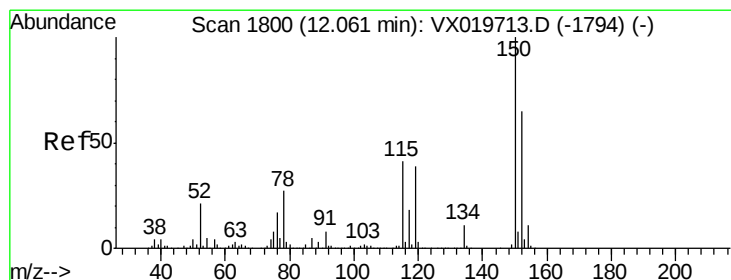
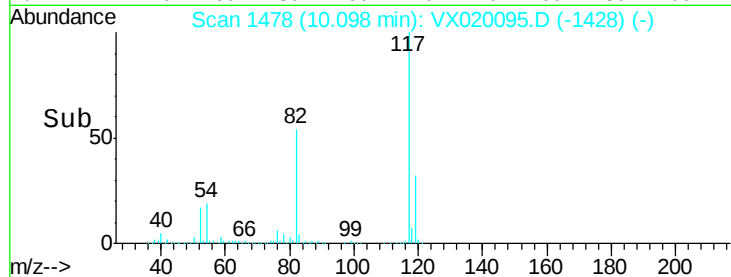
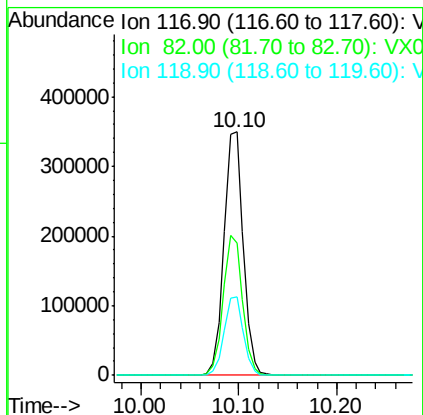
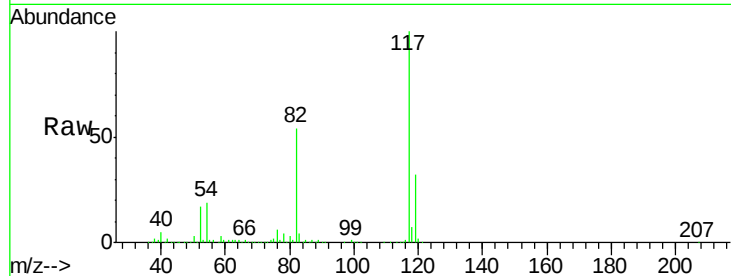




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

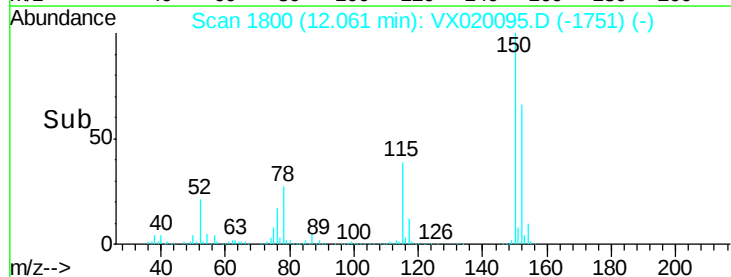
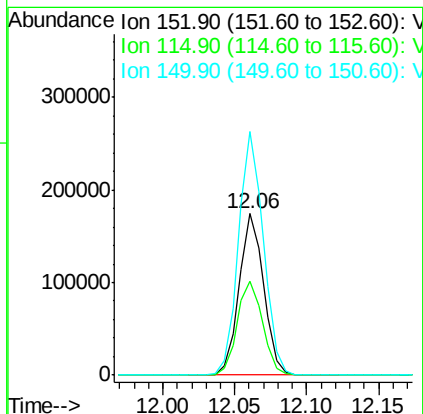
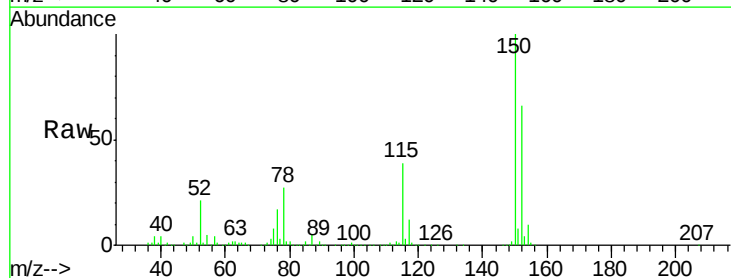
Instrument :
MSVOA_X
ClientSampleId :
PB133632ZHE#01

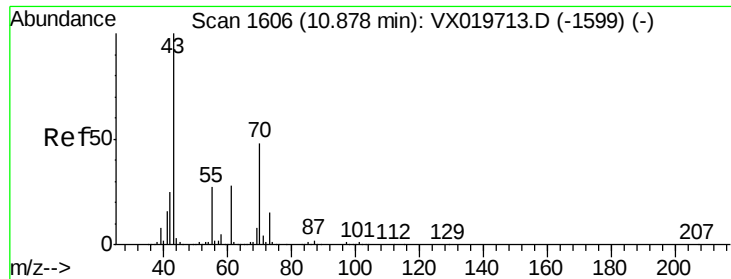
Tgt Ion:117 Resp: 479253
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020095.D
Acq: 17 Dec 2020 03:35

Tgt Ion:152 Resp: 206183
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 153.7 0.0 349.0





#74

N-amyI acetate

Concen: 2.988 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020095.D

Acq: 17 Dec 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

PB133632ZHE#01

Tgt Ion: 43 Resp: 16865

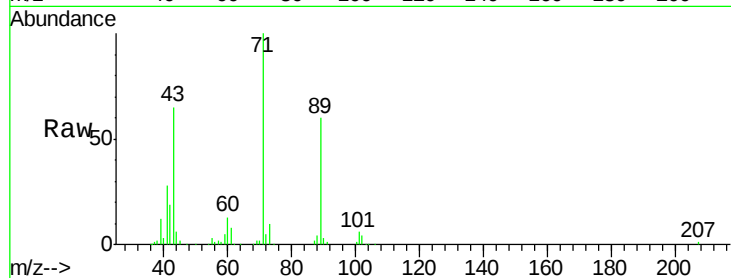
Ion Ratio Lower Upper

43 100

70 2.2 39.0 58.6#

55 5.3 21.5 32.3#

61 11.8 22.1 33.1#



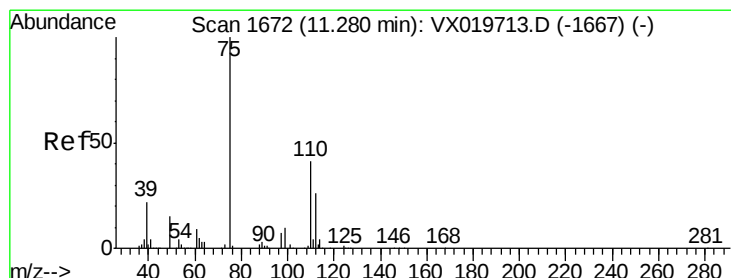
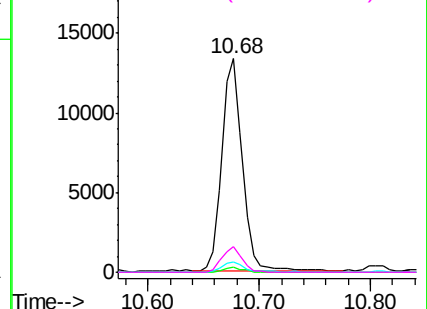
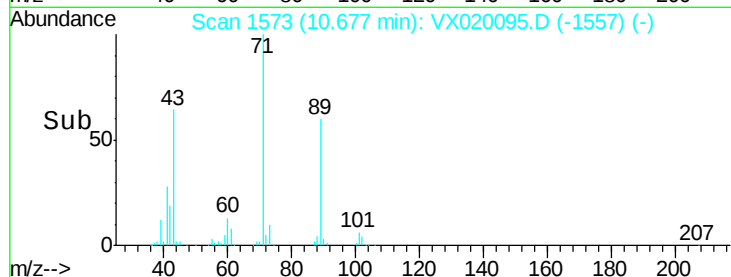
Abundance

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: 23.399 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020095.D

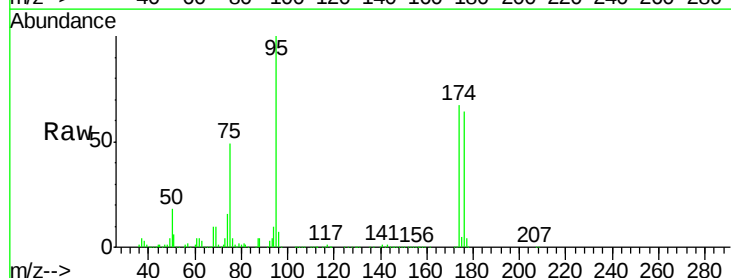
Acq: 17 Dec 2020 03:35

Tgt Ion: 75 Resp: 108207

Ion Ratio Lower Upper

75 100

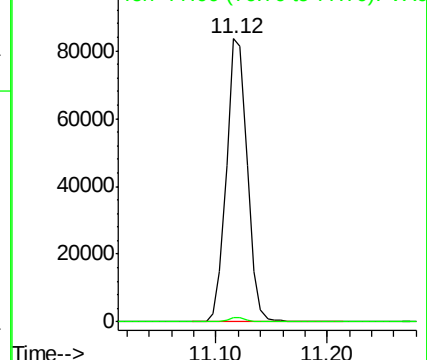
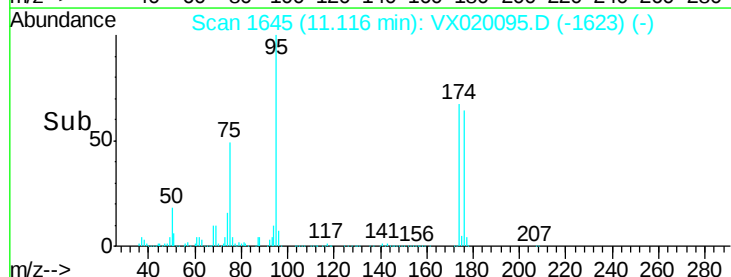
77 1.3 19.1 57.5#

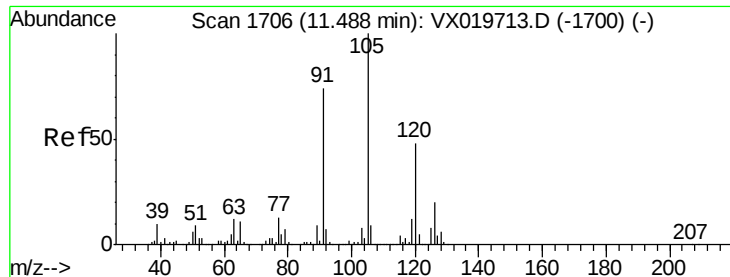


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

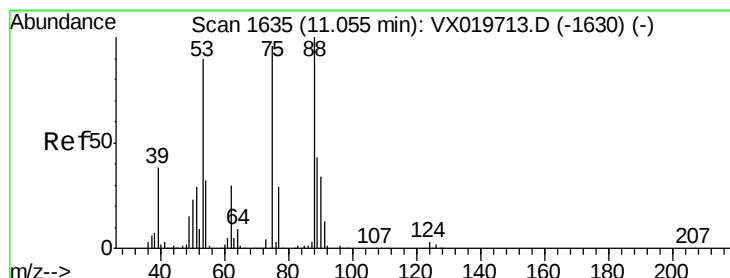
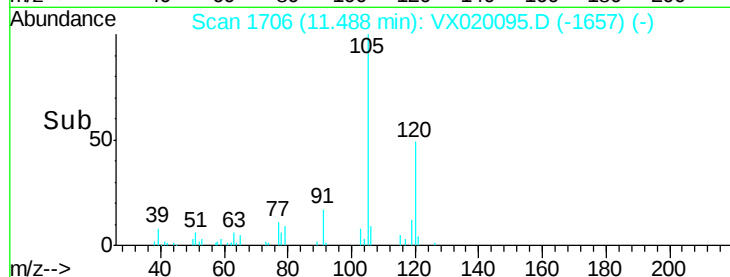
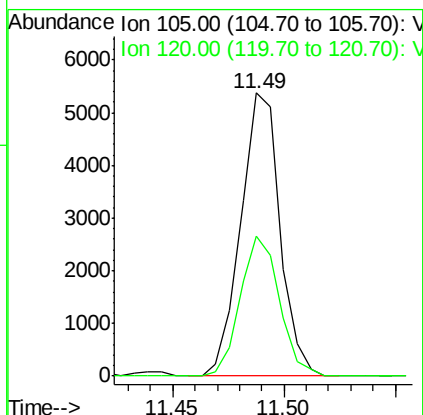
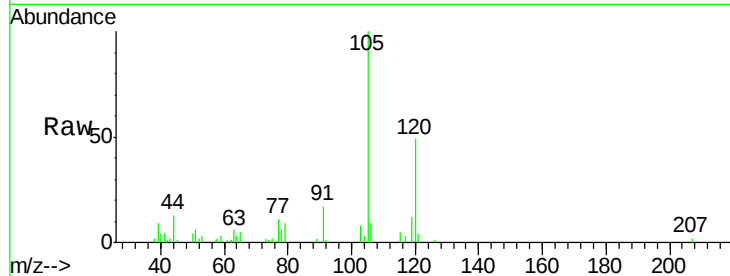




#80
 1,3,5-Trimethylbenzene
 Concen: 0.556 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133632ZHE#01

Tgt Ion:105 Resp: 6608
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.644 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020095.D
 Acq: 17 Dec 2020 03:35

Tgt Ion: 75 Resp: 108207
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

