

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020038.D
 Acq On : 16 Dec 2020 02:15
 Operator : JC/MD
 Sample : PB133610ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#14

Quant Time: Dec 16 05:09:44 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	5.63	168	299927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	501238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	461390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	193191	49.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.02%
35) Dibromofluoromethane	5.46	113	155716	48.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.14%
50) Toluene-d8	8.70	98	623043	50.38	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.76%
62) 4-Bromofluorobenzene	11.12	95	212577	45.16	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.32%

Target Compounds

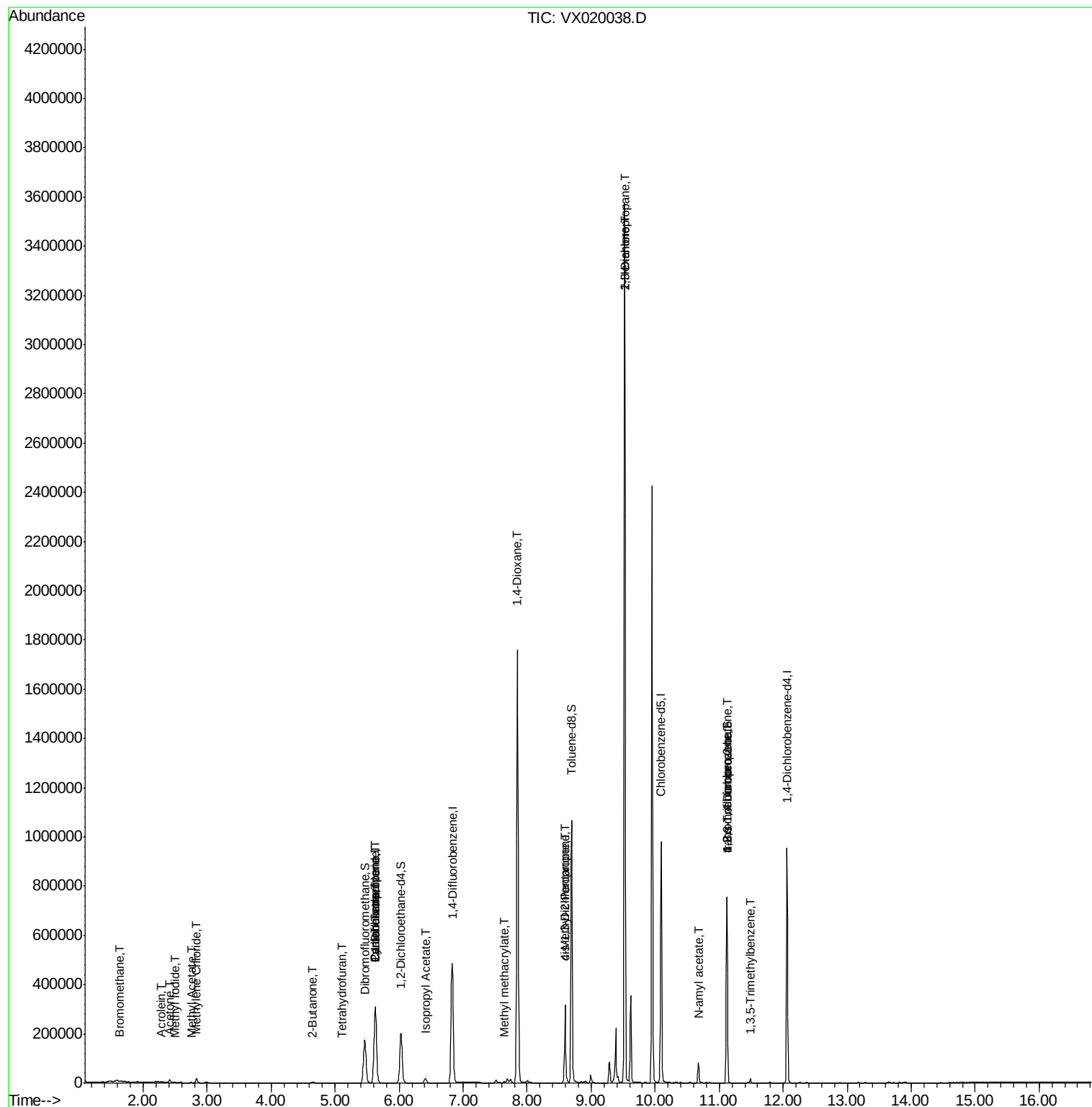
					Qvalue	
5) Bromomethane	1.63	94	612	0.541	ug/l #	80
10) Methyl Iodide	2.49	142	1130	0.282	ug/l #	96
11) Tert butyl alcohol	2.99	59	2004	Below Cal	#	73
13) Acrolein	2.28	56	160	0.368	ug/l #	61
16) Acetone	2.42	43	12822	8.654	ug/l	96
18) Methyl Acetate	2.75	43	1979	0.546	ug/l #	88
20) Methylene Chloride	2.84	84	8076	0.994	ug/l	98
25) 2-Butanone	4.64	43	3365	1.478	ug/l	89
29) Tetrahydrofuran	5.10	42	692	0.472	ug/l #	60
31) Cyclohexane	5.63	56	5884	1.200	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22888	5.053	ug/l #	48
38) Carbon Tetrachloride	5.62	117	29709	6.698	ug/l #	17
43) Isopropyl Acetate	6.41	43	25421	3.419	ug/l	99
48) Methyl methacrylate	7.65	41	7484	2.047	ug/l #	10
49) 1,4-Dioxane	7.85	88	314	3.545	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	95091	20.948	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50425	9.026	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	31907	5.358	ug/l #	43
59) 2-Hexanone	9.52	43	386704	109.904	ug/l #	46
74) N-amyl acetate	10.68	43	17789	3.433	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	102239	24.083	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	7412	0.679	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	102239	69.620	ug/l #	12

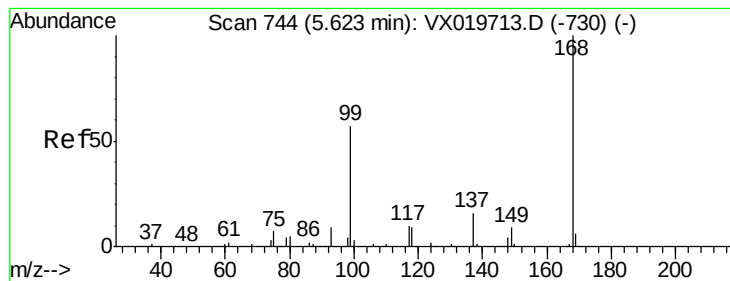
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 05:09:44 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: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX020038.D

Acq: 16 Dec 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

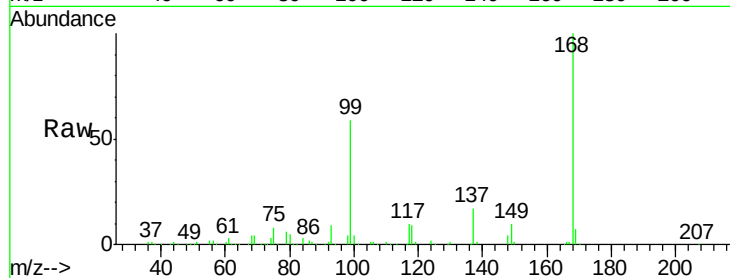
PB133610ZHE#14

Tgt Ion:168 Resp: 299927

Ion Ratio Lower Upper

168 100

99 59.1 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

120000

100000

80000

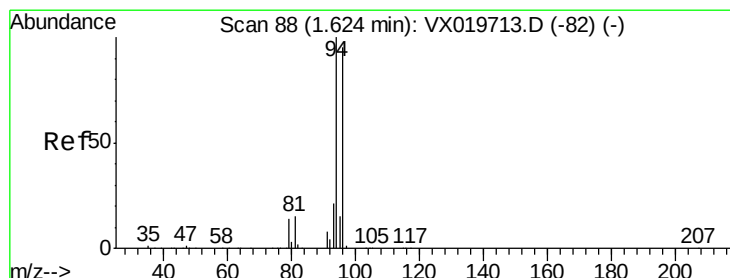
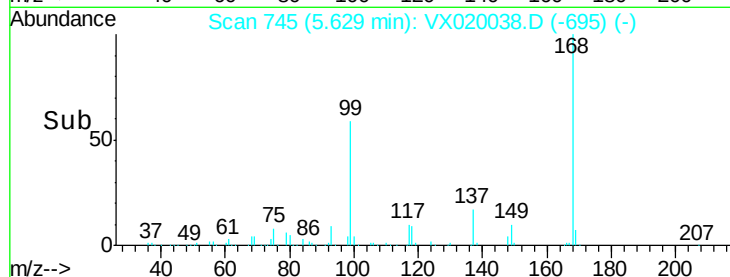
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.541 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020038.D

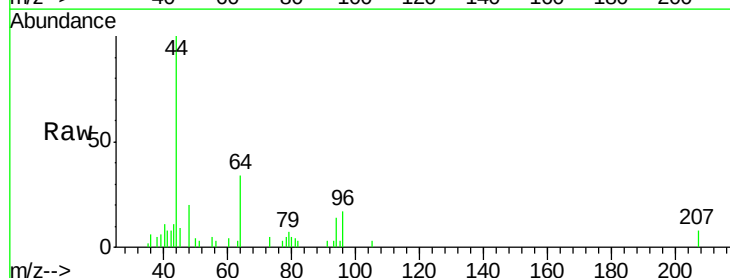
Acq: 16 Dec 2020 02:15

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 114.8 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

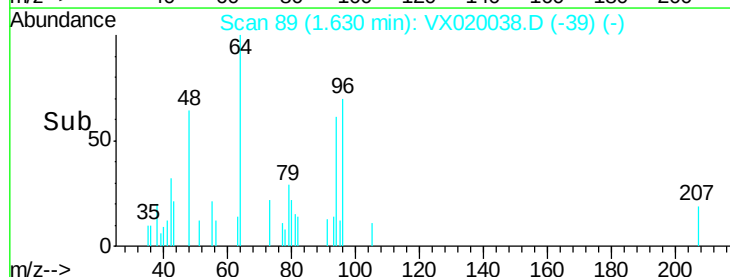
300

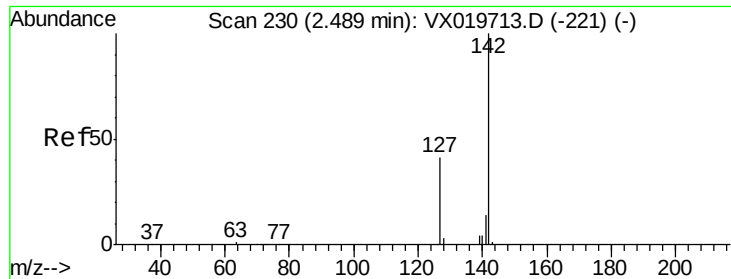
200

100

0

Time-->

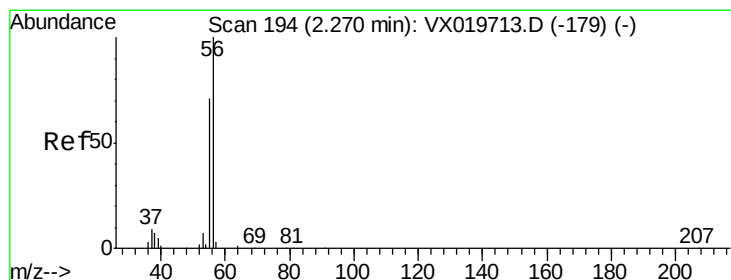
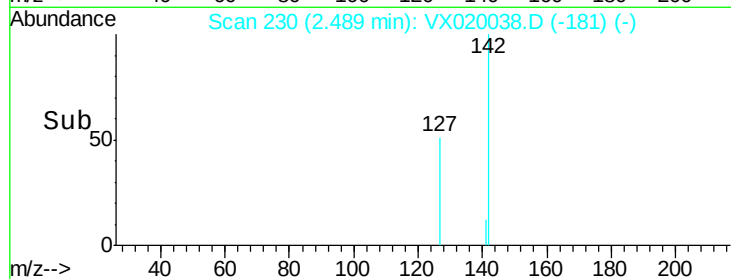
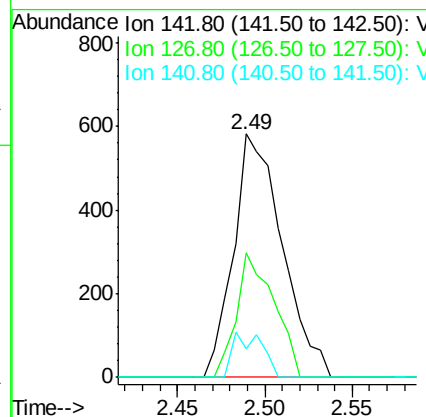
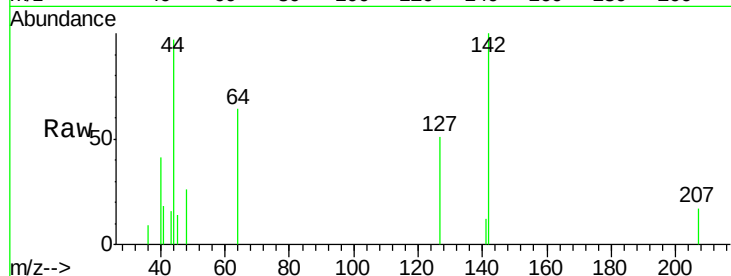




#10
Methyl Iodide
Concen: 0.282 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

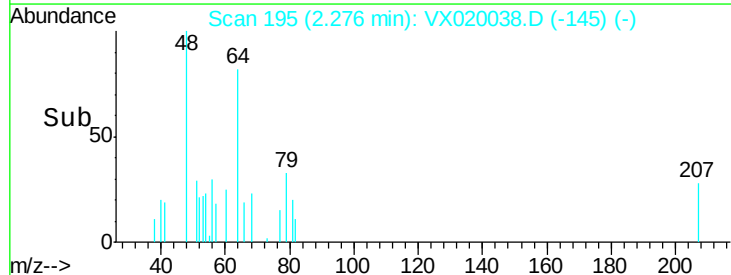
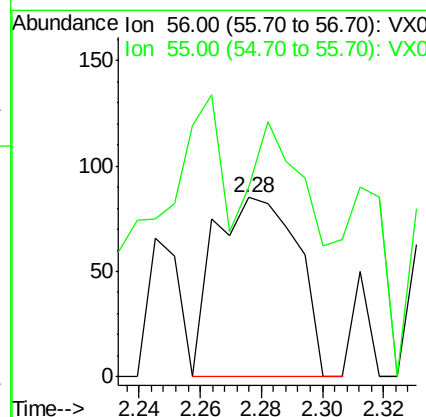
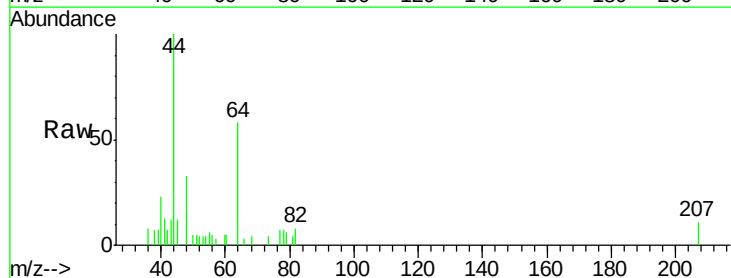
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

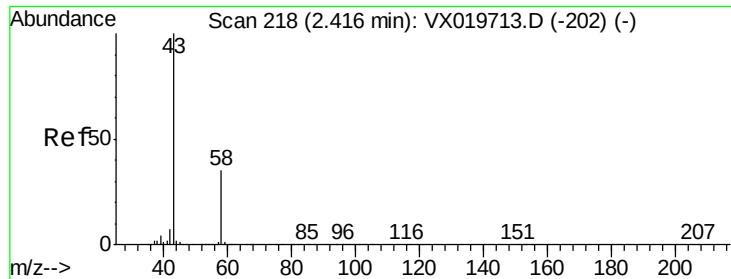
Tgt Ion:142 Resp: 1130
Ion Ratio Lower Upper
142 100
127 39.6 33.3 49.9
141 10.9 11.4 17.0#



#13
Acrolein
Concen: 0.368 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 38.1 56.4 84.6#





#16

Acetone

Concen: 8.654 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020038.D

Acq: 16 Dec 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

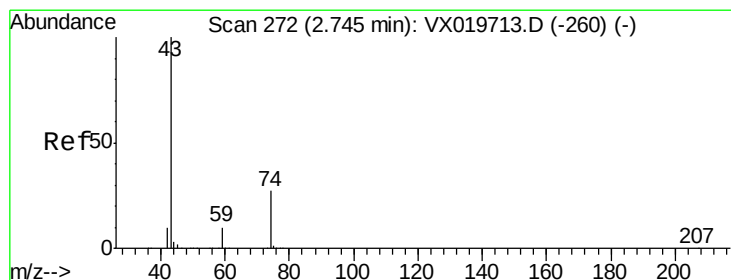
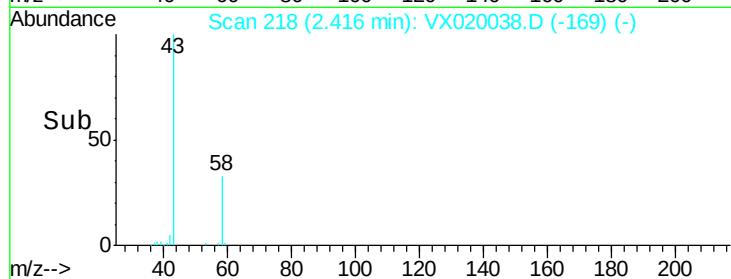
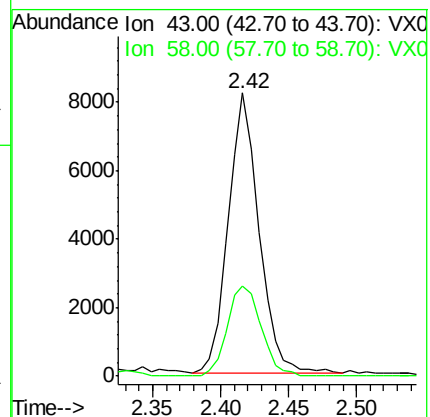
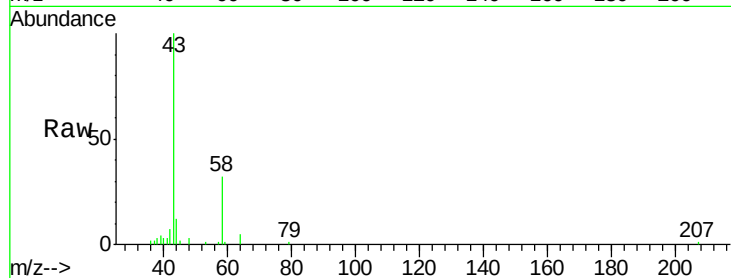
PB133610ZHE#14

Tgt Ion: 43 Resp: 12822

Ion Ratio Lower Upper

43 100

58 32.2 27.8 41.8



#18

Methyl Acetate

Concen: 0.546 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX020038.D

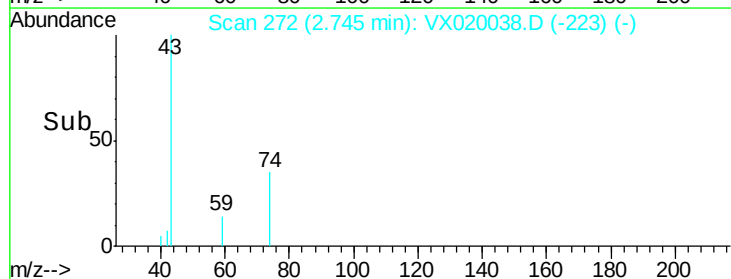
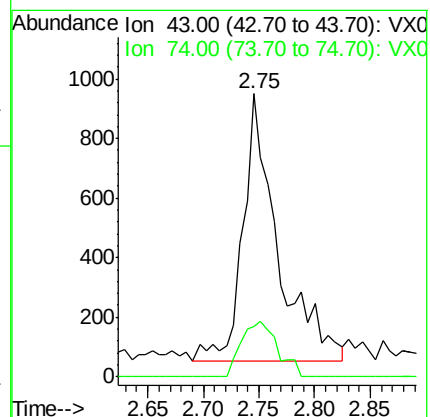
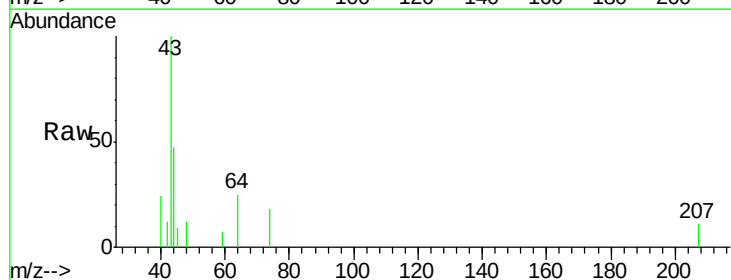
Acq: 16 Dec 2020 02:15

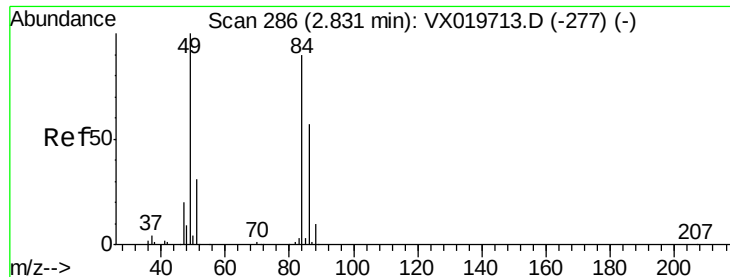
Tgt Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

74 21.1 21.9 32.9#

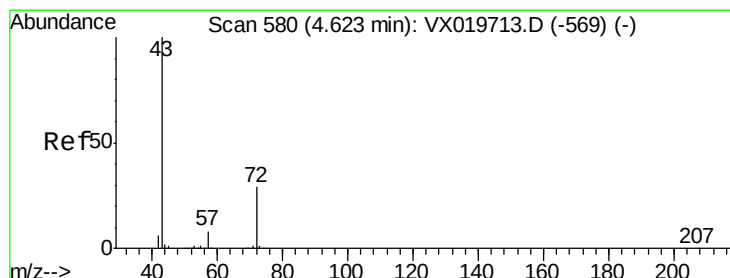
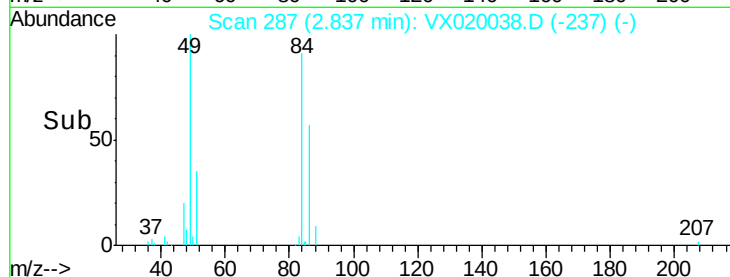
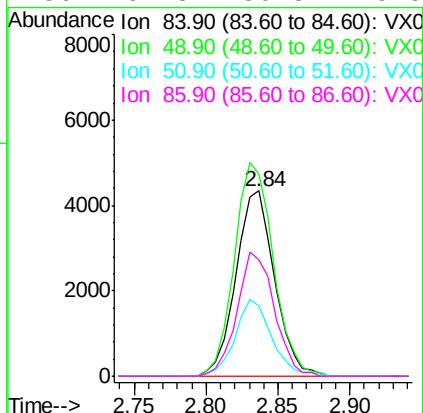
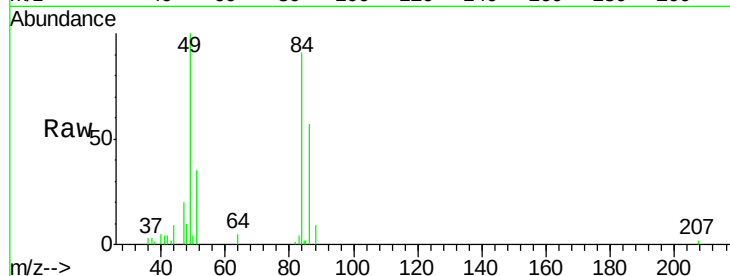




#20
Methylene Chloride
Concen: 0.994 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

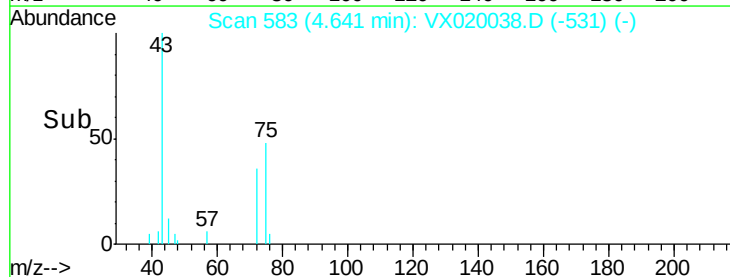
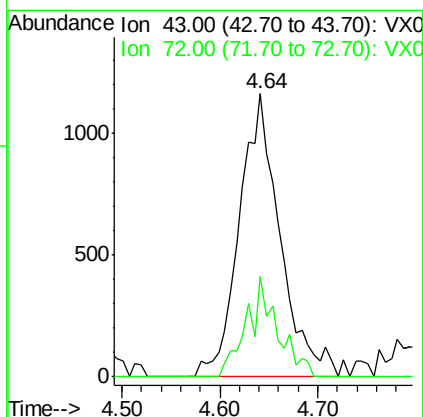
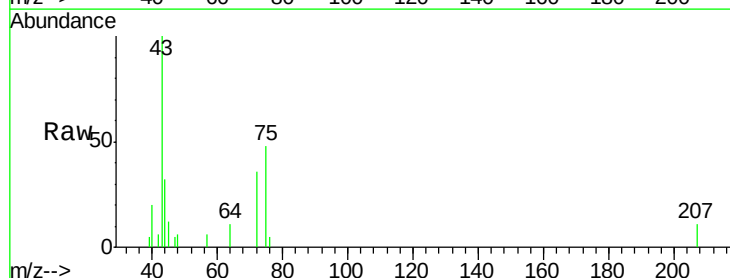
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

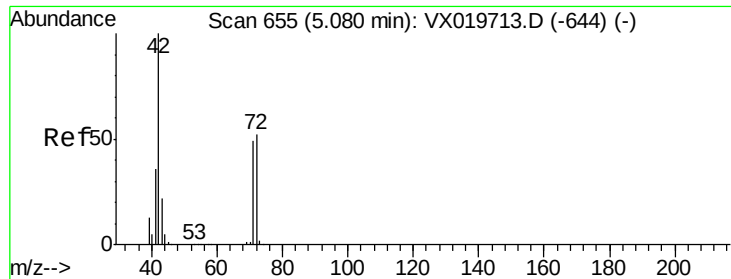
Tgt Ion:	84	Resp:	8076
Ion	Ratio	Lower	Upper
84	100		
49	109.6	88.6	132.8
51	38.4	27.0	40.6
86	62.8	50.3	75.5



#25
2-Butanone
Concen: 1.478 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion:	43	Resp:	3365
Ion	Ratio	Lower	Upper
43	100		
72	35.5	23.7	35.5

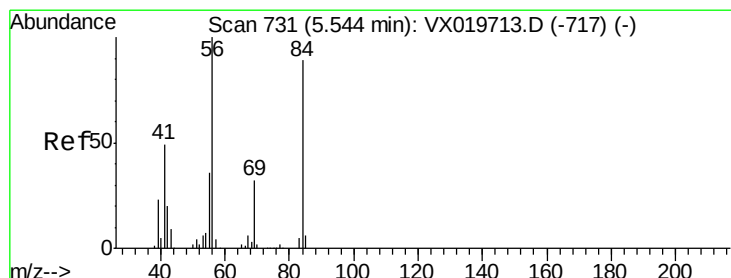
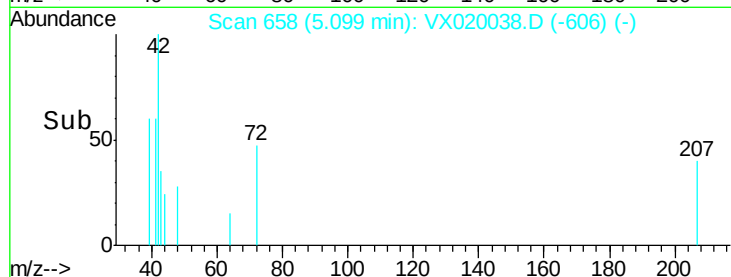
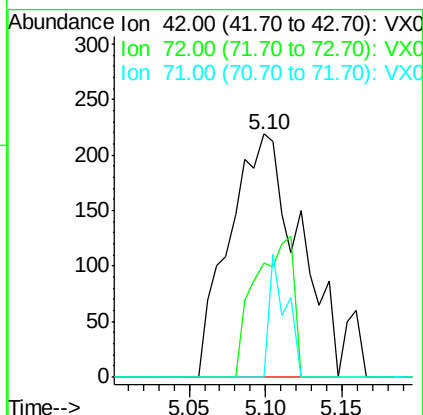
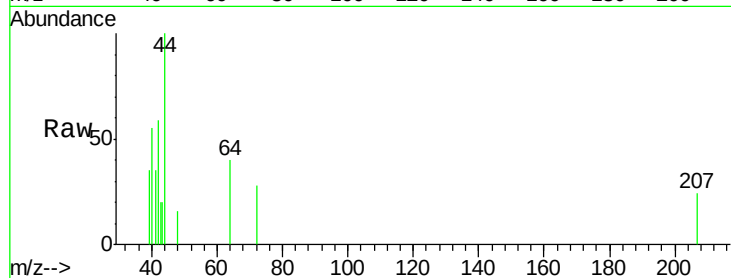




#29
Tetrahydrofuran
Concen: 0.472 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

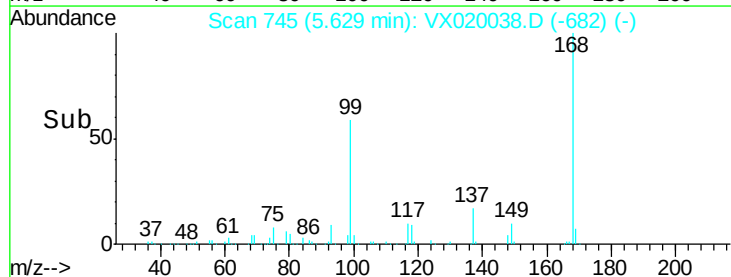
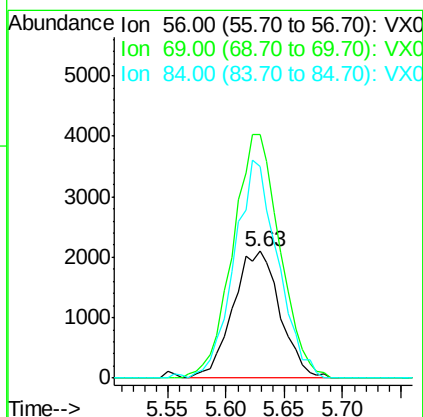
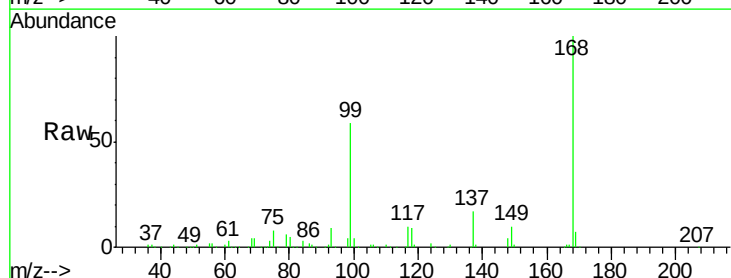
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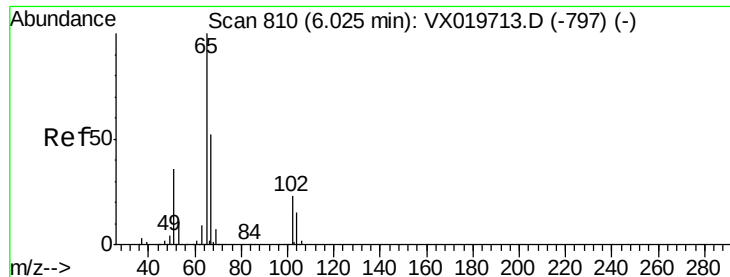
Tgt Ion: 42 Resp: 692
Ion Ratio Lower Upper
42 100
72 31.9 41.7 62.5#
71 12.6 38.4 57.6#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion: 56 Resp: 5884
Ion Ratio Lower Upper
56 100
69 192.2 25.3 37.9#
84 167.6 71.4 107.0#

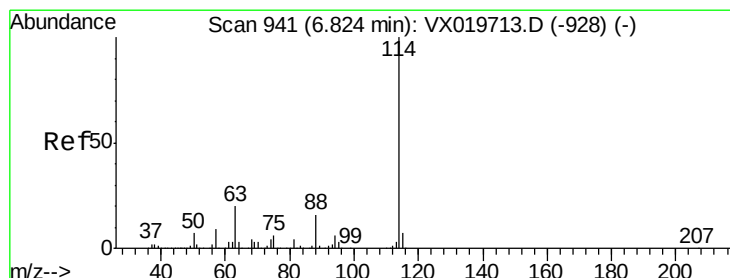
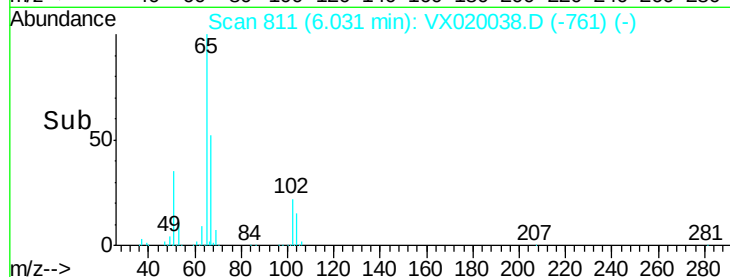
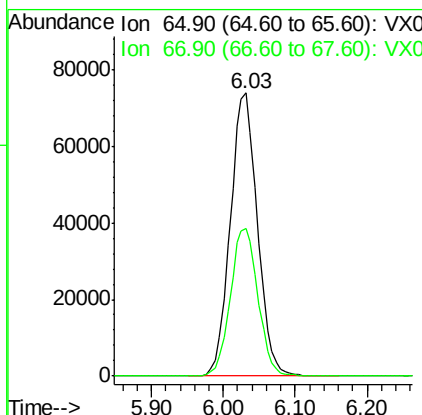
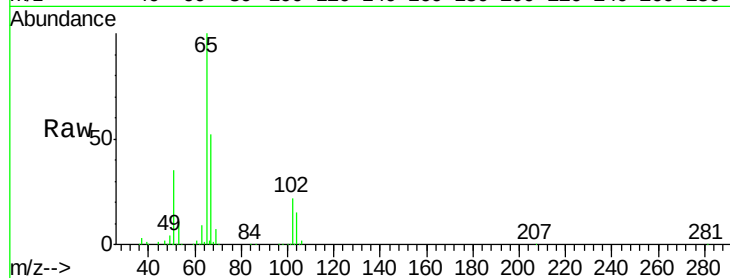




#33
 1,2-Dichloroethane-d4
 Concen: 49.009 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

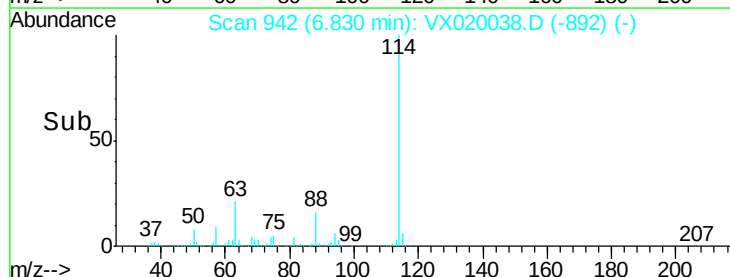
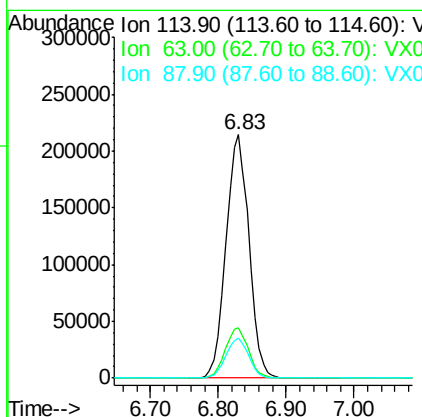
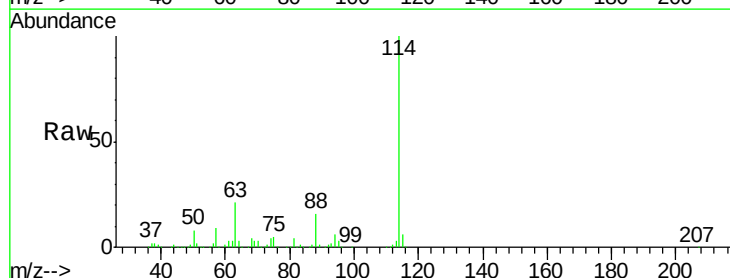
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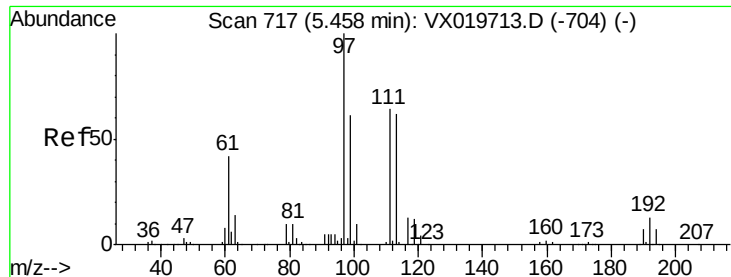
Tgt Ion: 65 Resp: 193191
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Tgt Ion: 114 Resp: 501238
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 16.4 0.0 32.8

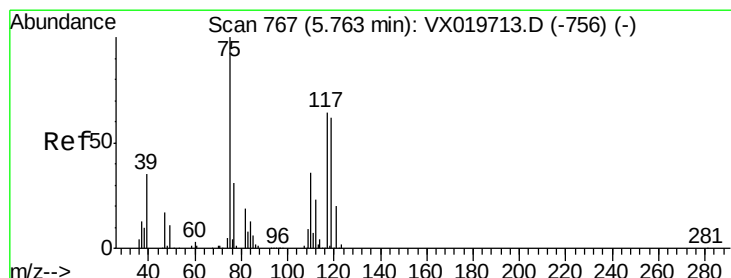
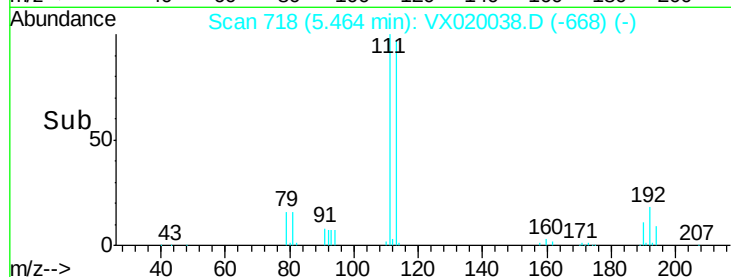
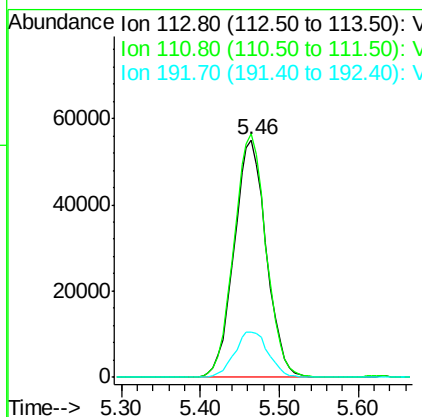
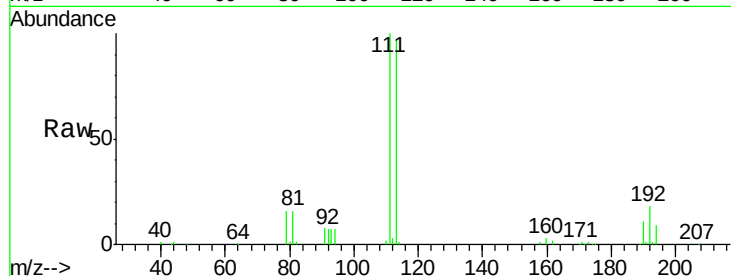




#35
 Dibromofluoromethane
 Concen: 48.069 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

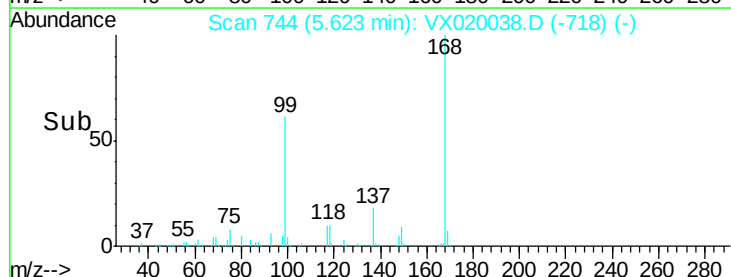
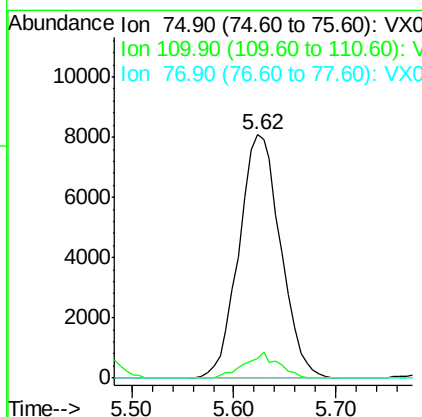
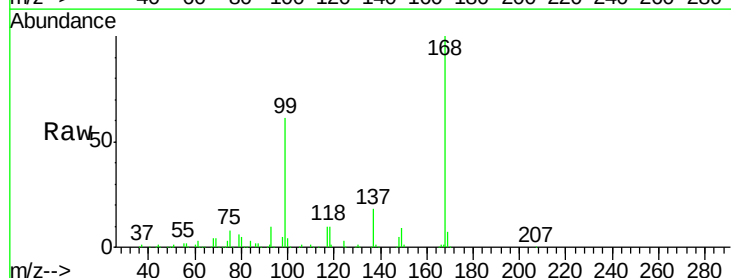
Instrument :
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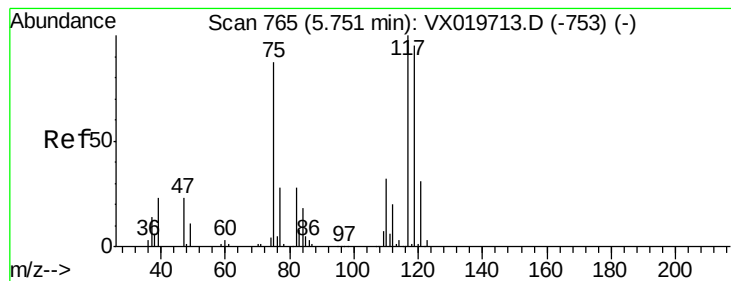
Tgt Ion:113 Resp: 155716
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 20.2 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Tgt Ion: 75 Resp: 22888
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.698 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020038.D

Acq: 16 Dec 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#14

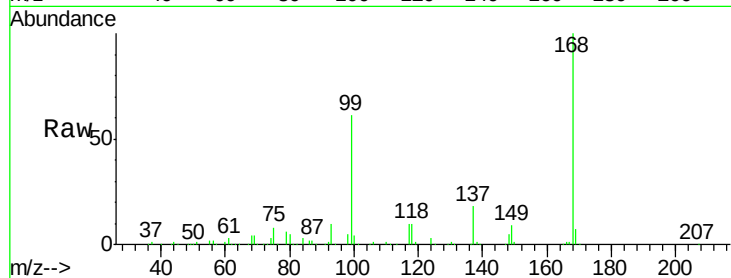
Tgt Ion:117 Resp: 29709

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

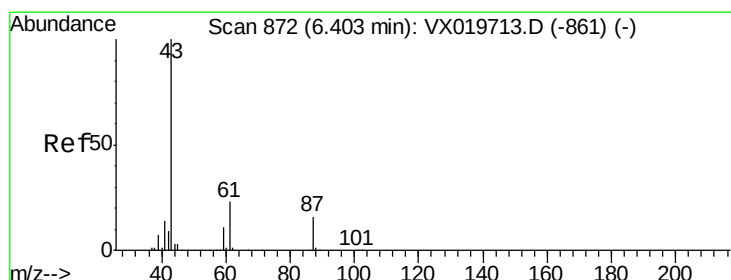
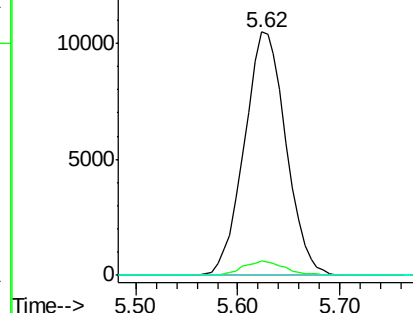
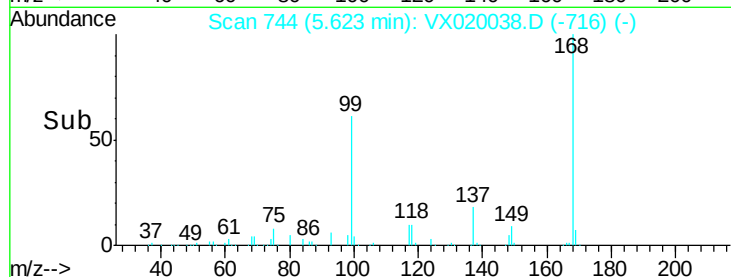
121 0.0 24.8 37.2#



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: 3.419 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020038.D

Acq: 16 Dec 2020 02:15

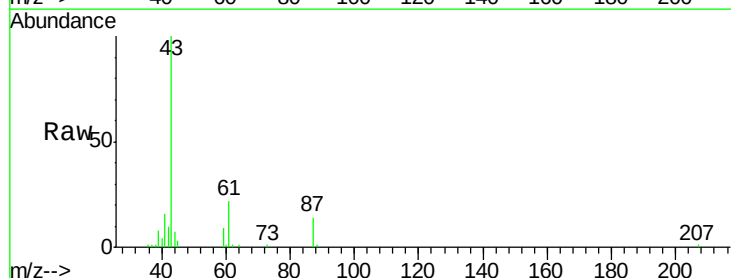
Tgt Ion: 43 Resp: 25421

Ion Ratio Lower Upper

43 100

61 22.1 18.2 27.4

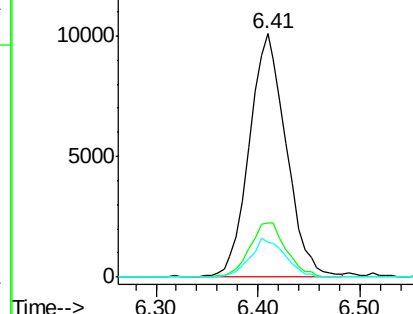
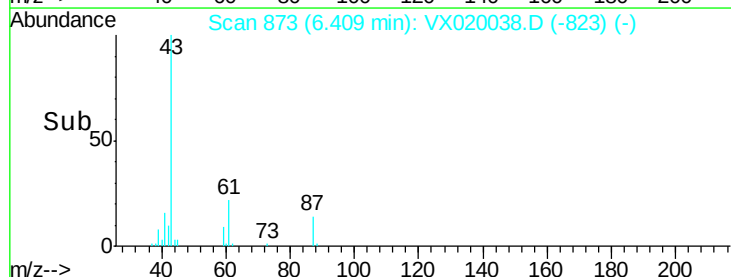
87 15.1 12.5 18.7

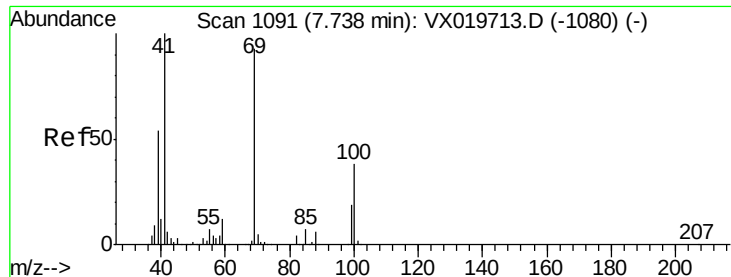


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

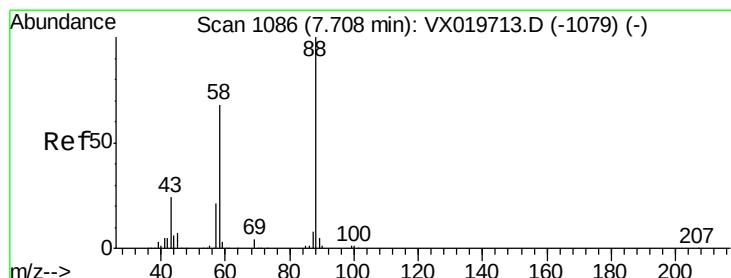
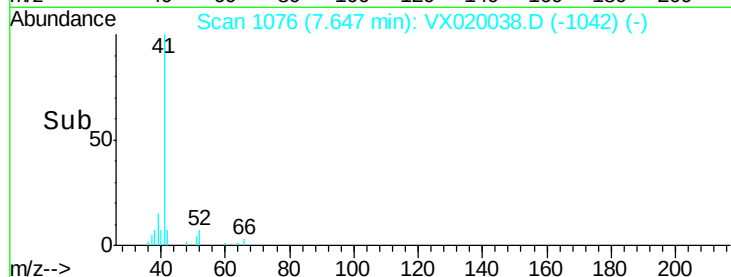
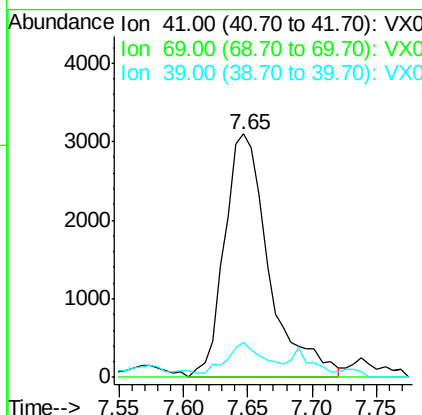
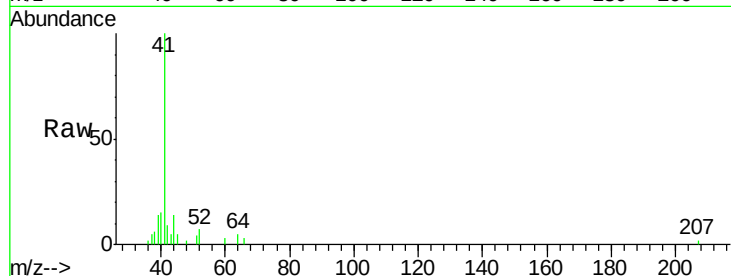




#48
Methyl methacrylate
Concen: 2.047 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

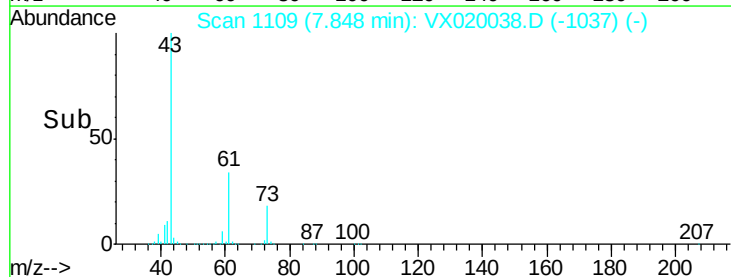
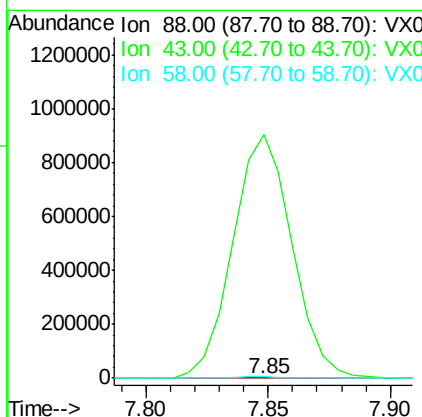
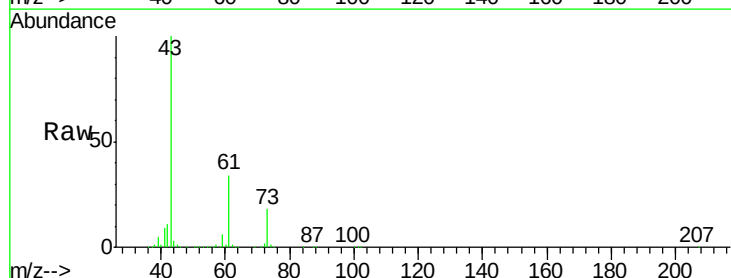
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

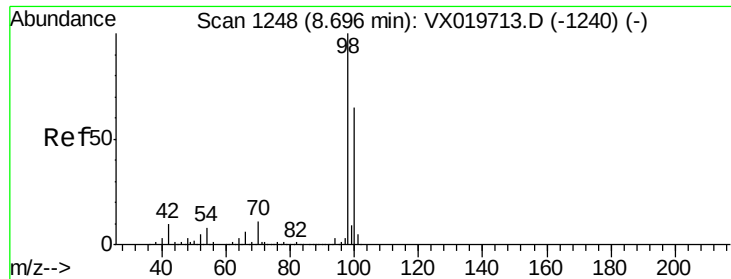
Tgt Ion: 41 Resp: 7484
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.545 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion: 88 Resp: 314
Ion Ratio Lower Upper
88 100
43 485643.6 23.2 34.8#
58 2558.0 55.0 82.4#

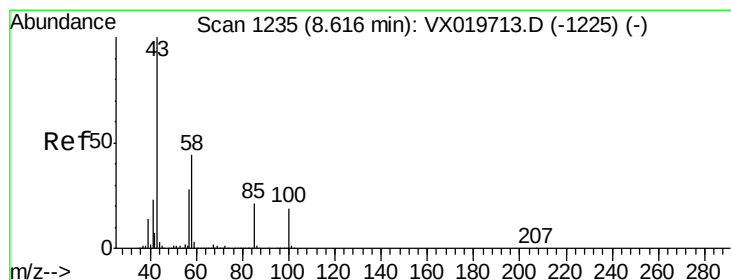
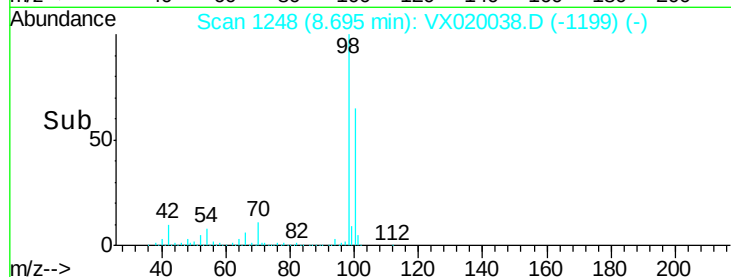
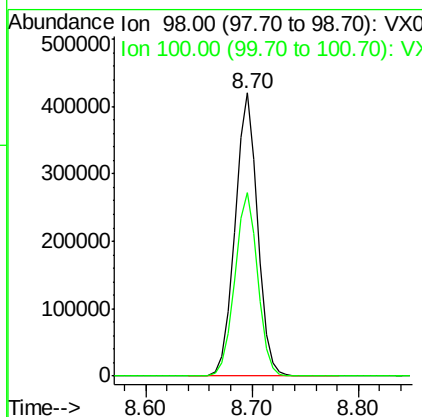
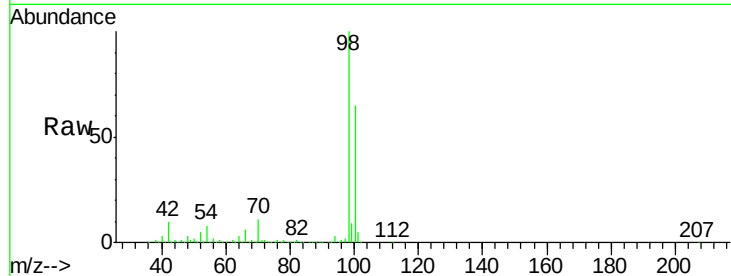




#50
Toluene-d8
Concen: 50.378 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

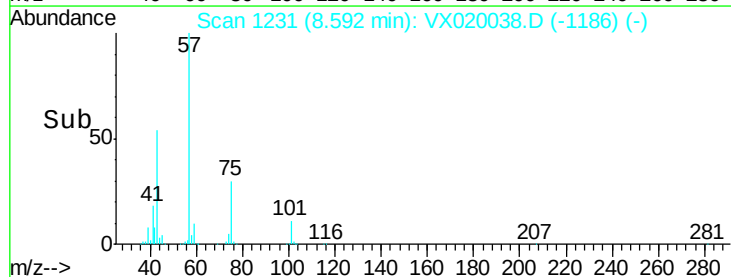
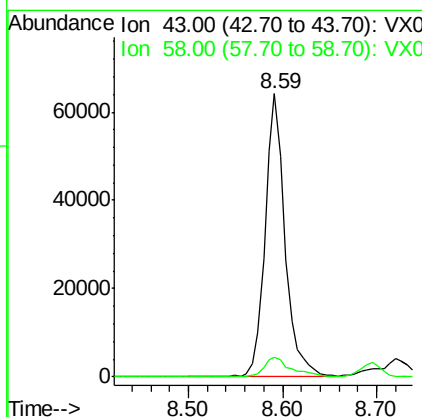
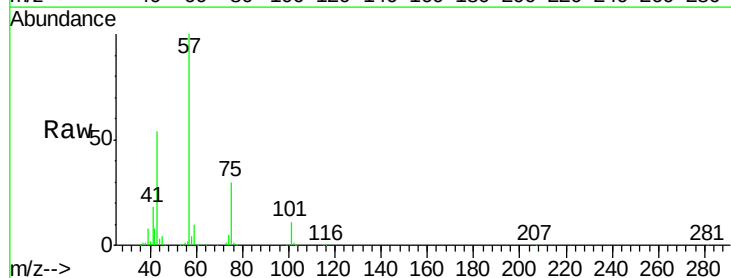
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

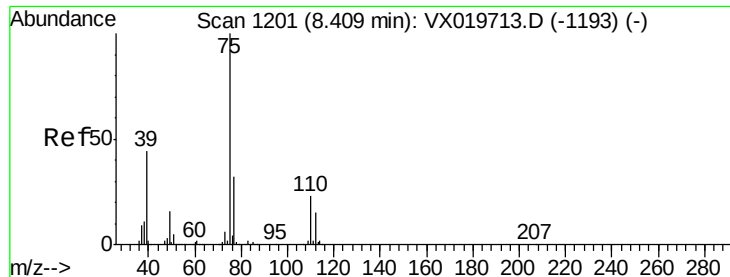
Tgt Ion: 98 Resp: 623043
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.948 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion: 43 Resp: 95091
Ion Ratio Lower Upper
43 100
58 9.3 35.4 53.0#



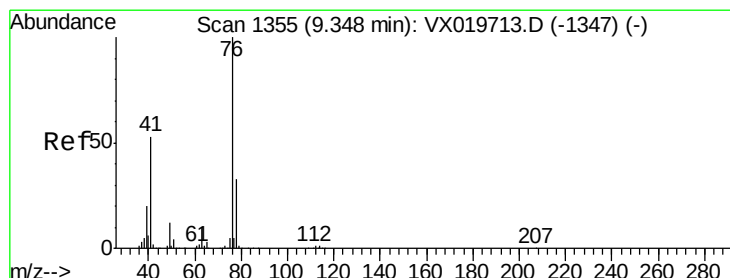
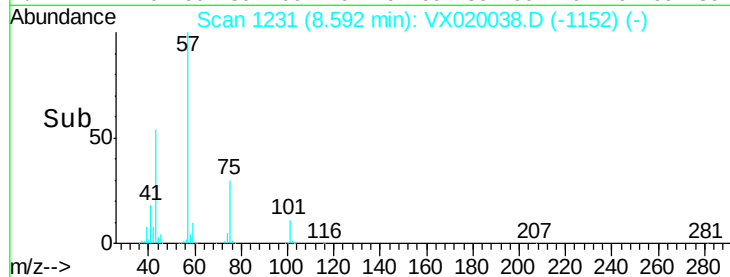
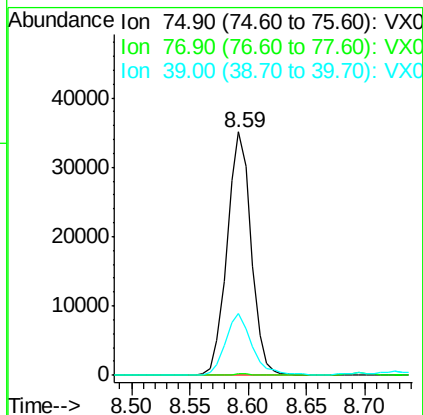
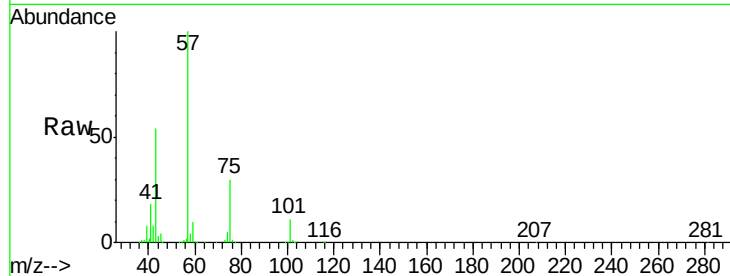


#54

cis-1,3-Dichloropropene
 Concen: 9.026 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#14

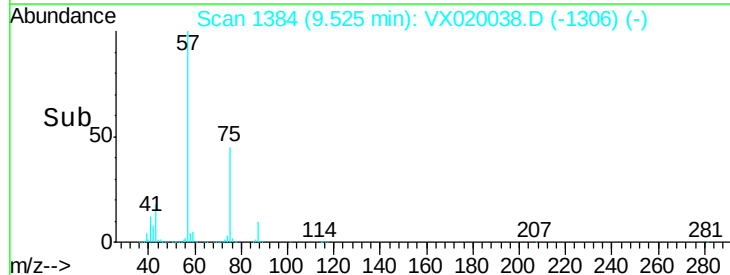
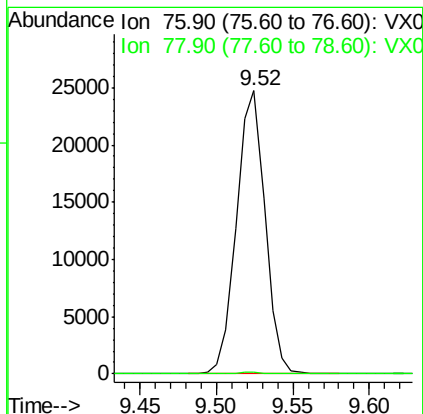
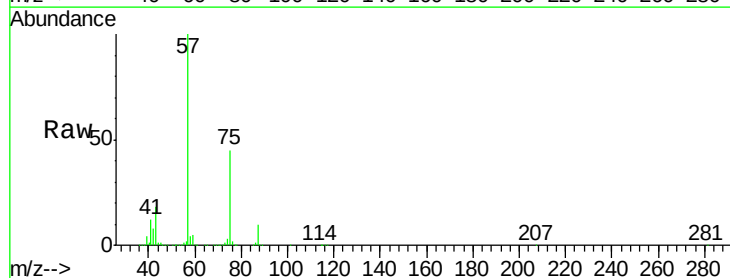
Tgt Ion: 75 Resp: 50425
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 25.3 35.1 52.7#

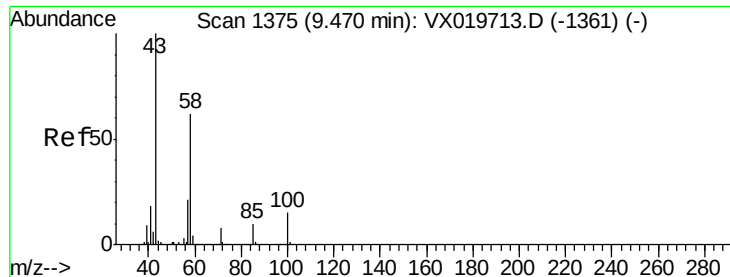


#57

1,3-Dichloropropene
 Concen: 5.358 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Tgt Ion: 76 Resp: 31907
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

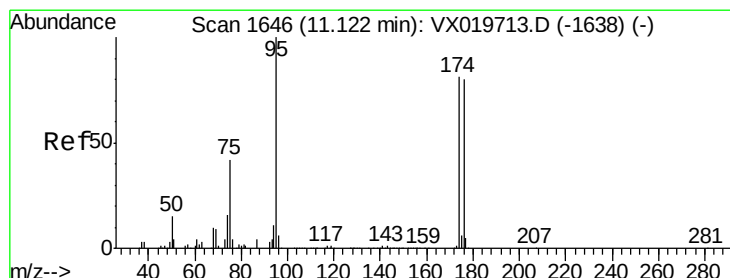
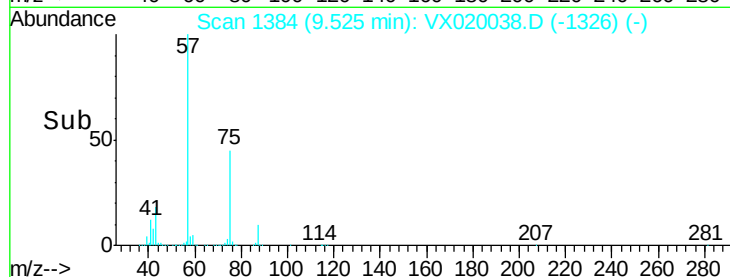
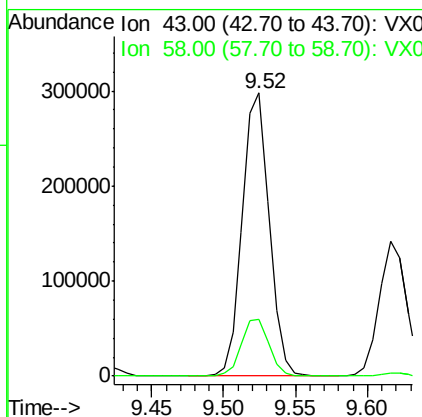
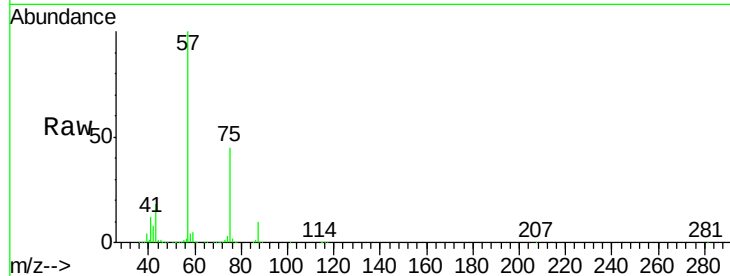




#59
2-Hexanone
Concen: 109.904 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

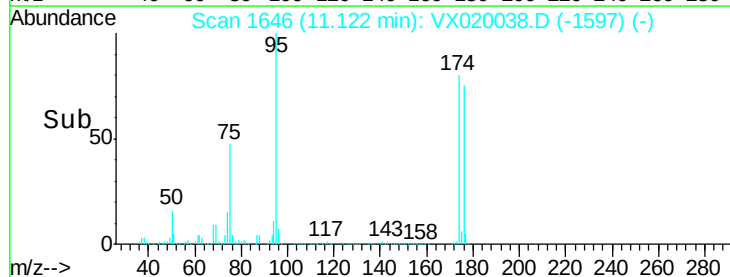
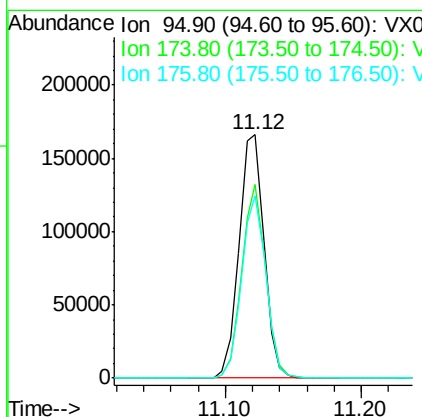
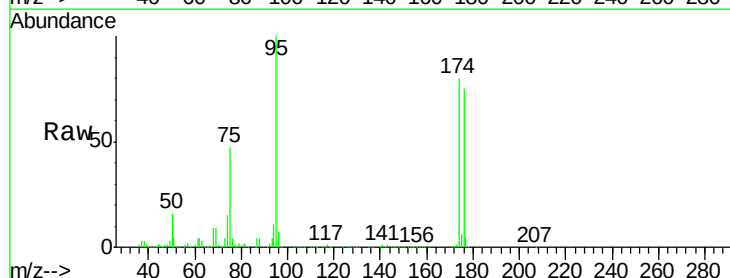
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

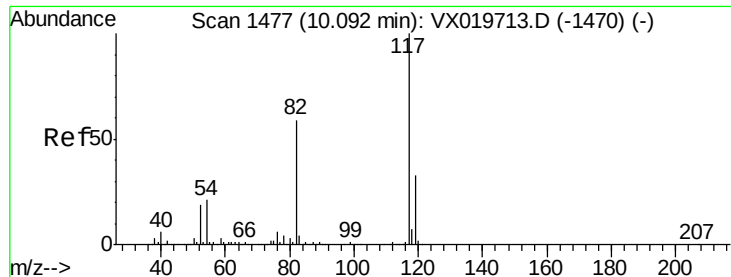
Tgt Ion: 43 Resp: 386704
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion: 95 Resp: 212577
Ion Ratio Lower Upper
95 100
174 76.3 0.0 154.6
176 73.2 0.0 155.8

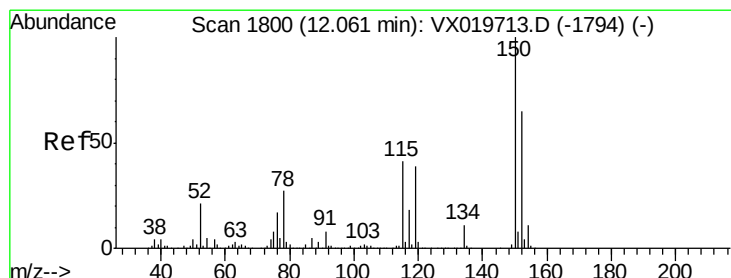
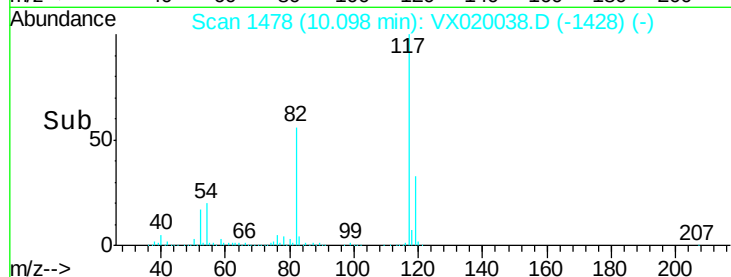
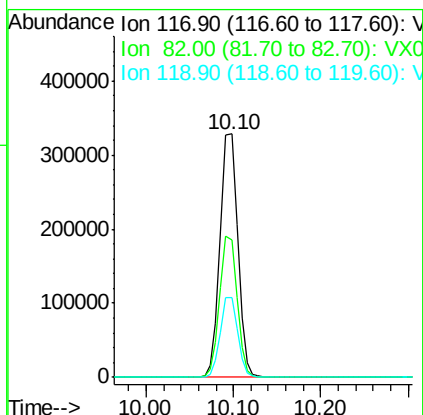
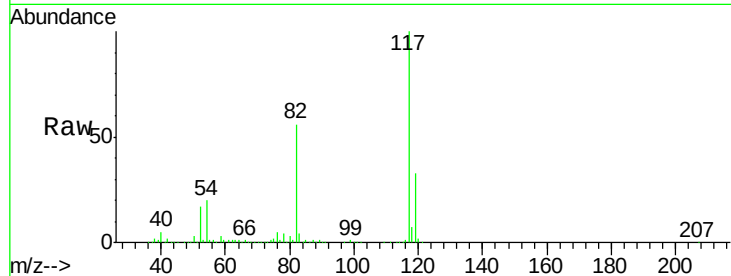




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

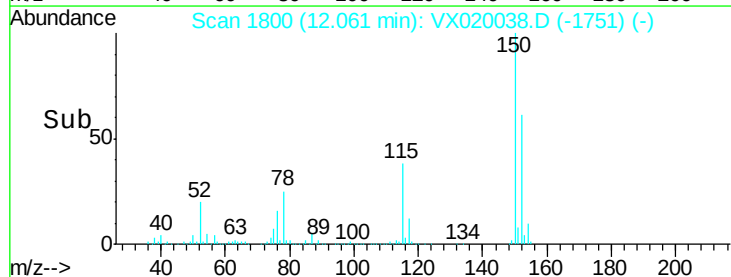
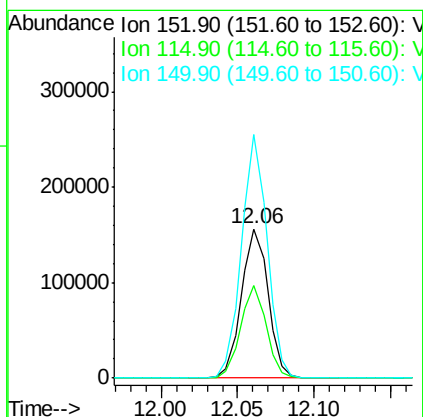
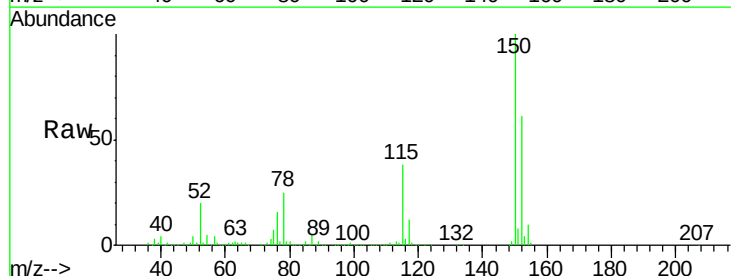
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#14

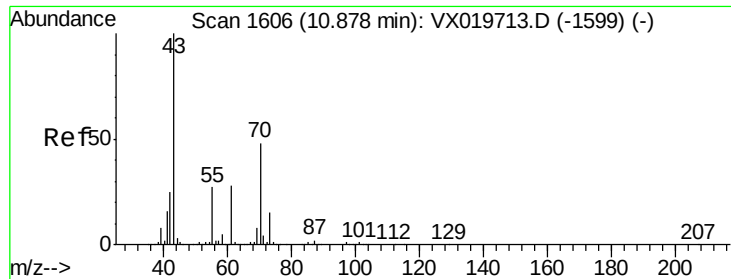
Tgt Ion:117 Resp: 461390
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 33.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020038.D
Acq: 16 Dec 2020 02:15

Tgt Ion:152 Resp: 189280
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 156.9 0.0 349.0





#74

N-amyI acetate

Concen: 3.433 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020038.D

Acq: 16 Dec 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#14

Tgt Ion: 43 Resp: 17789

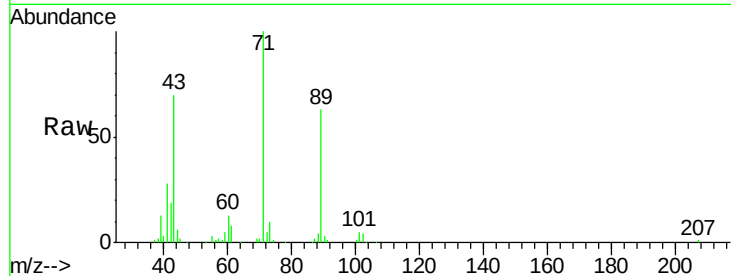
Ion Ratio Lower Upper

43 100

70 2.7 39.0 58.6#

55 5.1 21.5 32.3#

61 12.0 22.1 33.1#

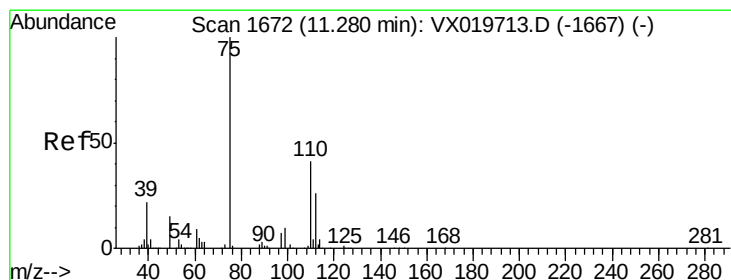
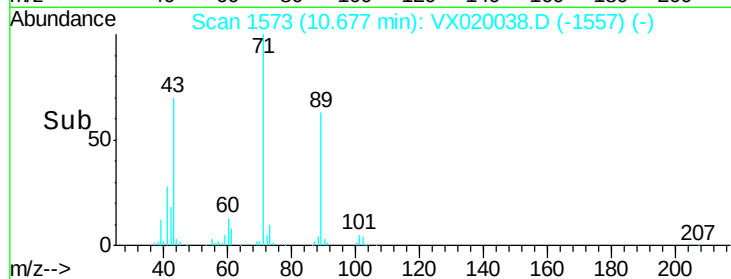
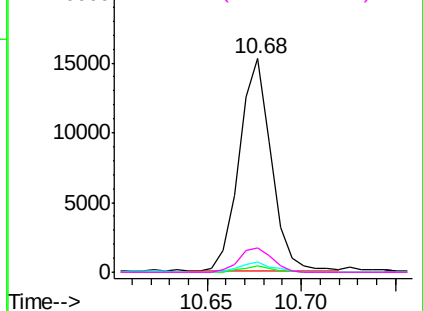


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.083 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020038.D

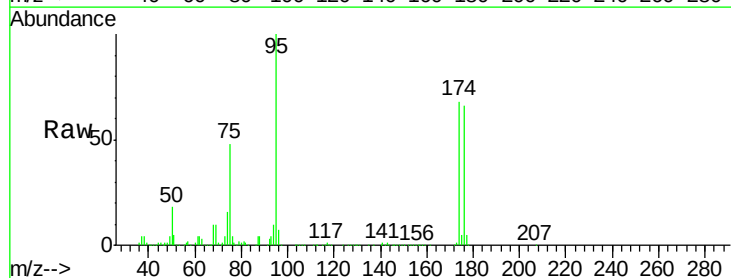
Acq: 16 Dec 2020 02:15

Tgt Ion: 75 Resp: 102239

Ion Ratio Lower Upper

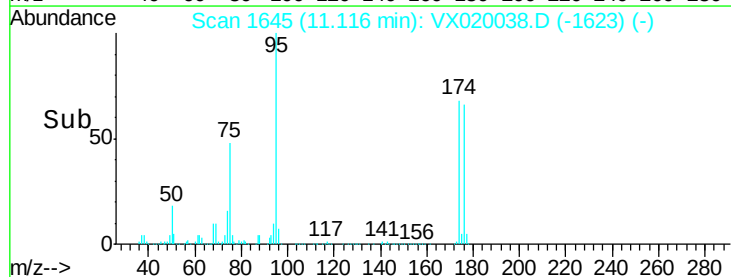
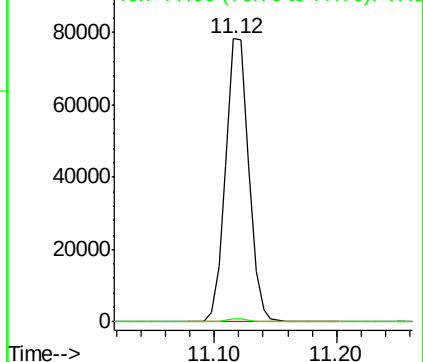
75 100

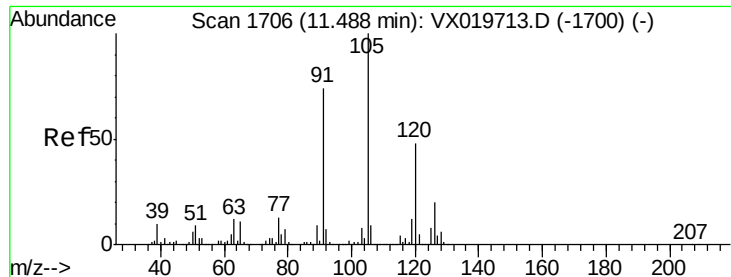
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

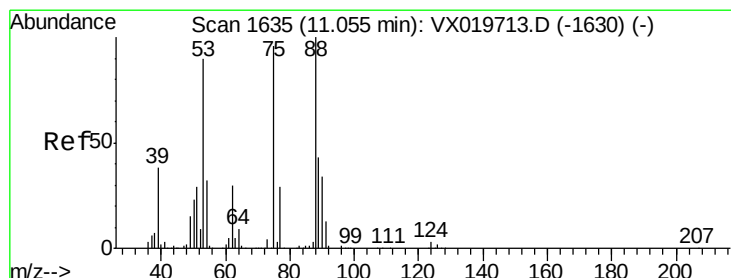
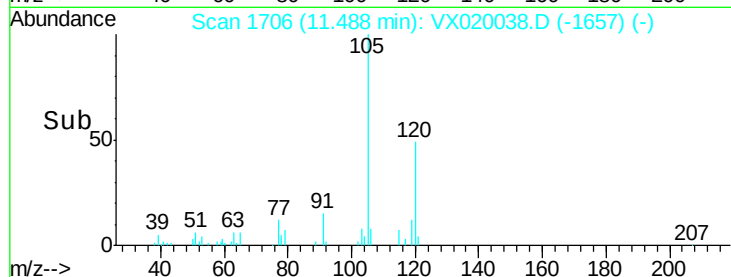
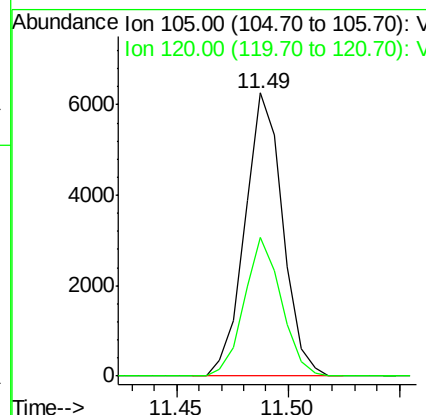
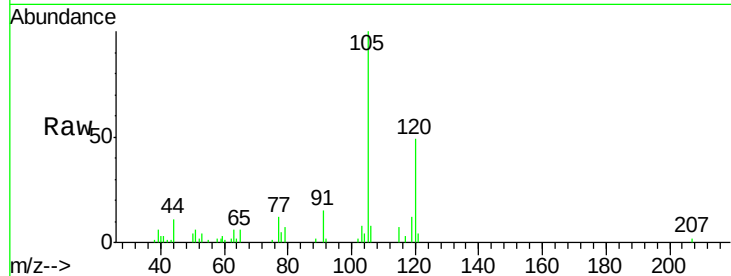




#80
 1,3,5-Trimethylbenzene
 Concen: 0.679 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#14

Tgt Ion:105 Resp: 7412
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.620 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020038.D
 Acq: 16 Dec 2020 02:15

Tgt Ion: 75 Resp: 102239
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

