

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020039.D
 Acq On : 16 Dec 2020 02:38
 Operator : JC/MD
 Sample : PB133610ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#15

Quant Time: Dec 16 05:10:04 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	307652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	505986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196337	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	196417	48.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.16%	
35) Dibromofluoromethane		5.46	113	157979	48.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.62%	
50) Toluene-d8		8.70	98	629363	50.41	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.82%	
62) 4-Bromofluorobenzene		11.12	95	215898	45.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.88%	

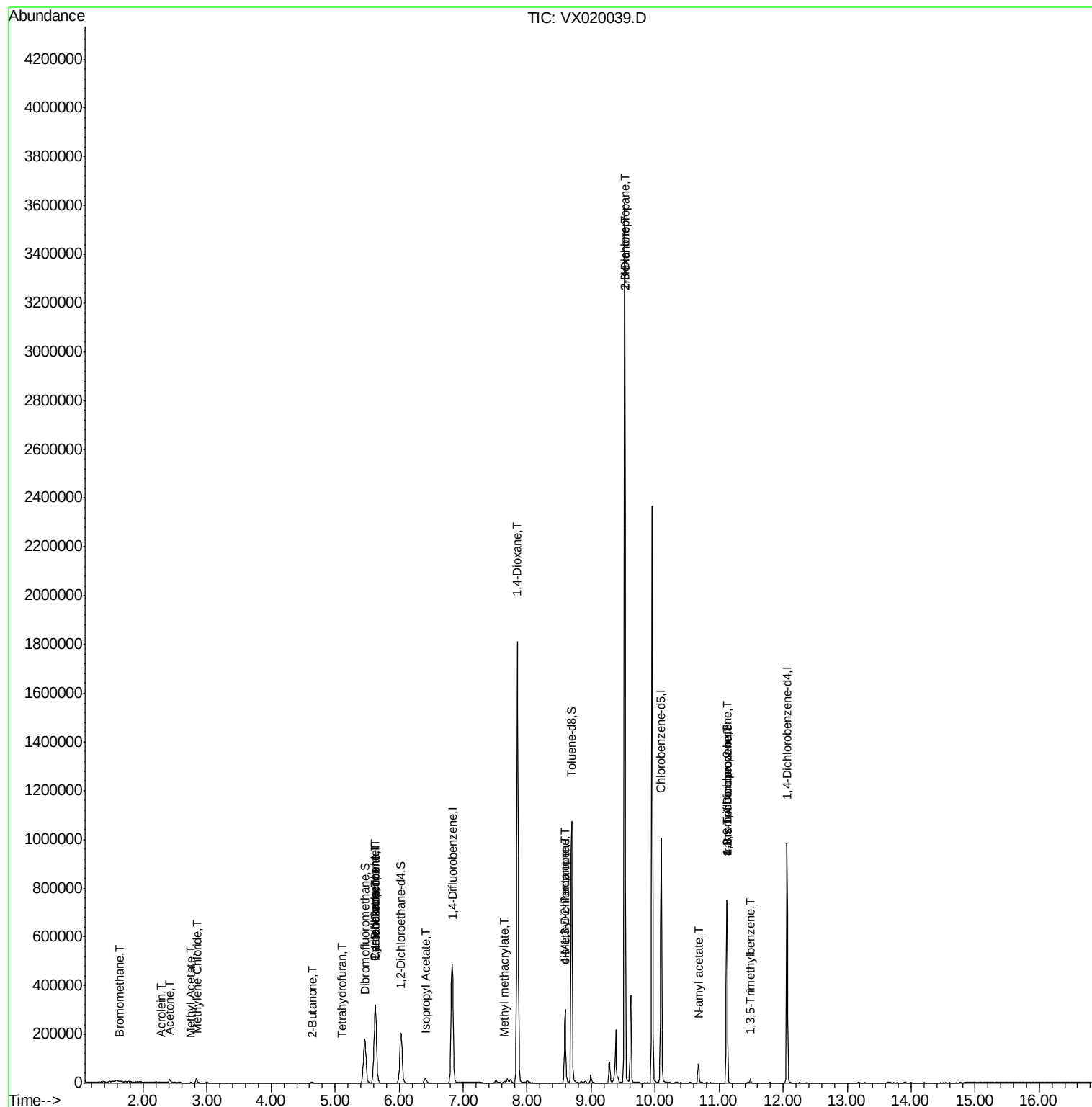
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	822	0.709	ug/l #	70
11) Tert butyl alcohol	2.99	59	1131	Below Cal	#	73
13) Acrolein	2.28	56	121	0.271	ug/l #	1
16) Acetone	2.42	43	13124	8.635	ug/l	95
18) Methyl Acetate	2.75	43	2029	0.546	ug/l	95
20) Methylene Chloride	2.84	84	9141	1.248	ug/l	97
25) 2-Butanone	4.65	43	3635	1.556	ug/l	91
29) Tetrahydrofuran	5.10	42	623	0.414	ug/l #	67
31) Cyclohexane	5.63	56	5864	1.166	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23712	5.186	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30012	6.703	ug/l #	18
43) Isopropyl Acetate	6.41	43	25917	3.453	ug/l	98
48) Methyl methacrylate	7.65	41	7154	1.938	ug/l #	10
49) 1,4-Dioxane	7.85	88	282	3.154	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94550	20.634	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50268	8.914	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	31725	5.278	ug/l #	43
59) 2-Hexanone	9.52	43	388509	109.381	ug/l #	46
74) N-amyl acetate	10.68	43	17444	3.245	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	102502	23.277	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6933	0.612	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	102502	67.291	ug/l #	12

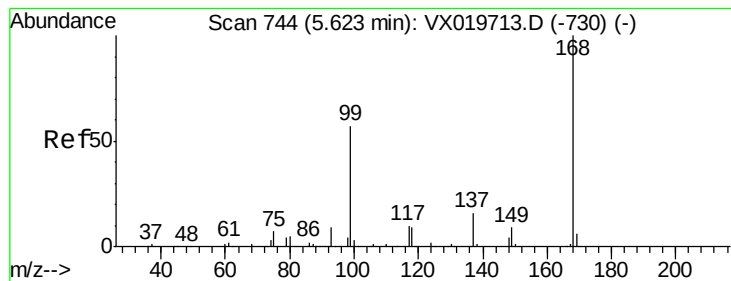
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
Data File : VX020039.D
Acq On : 16 Dec 2020 02:38
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Sample : PB133610ZHE#15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

Quant Time: Dec 16 05:10:04 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: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

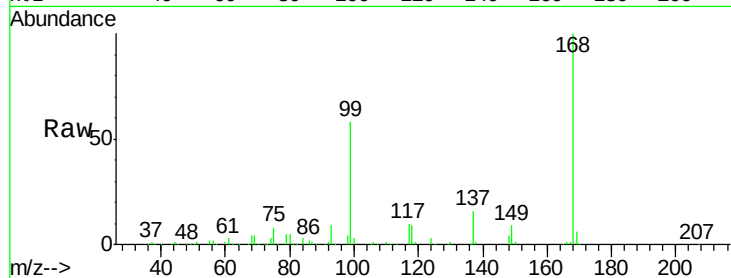
PB133610ZHE#15

Tgt Ion:168 Resp: 307652

Ion Ratio Lower Upper

168 100

99 57.6 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

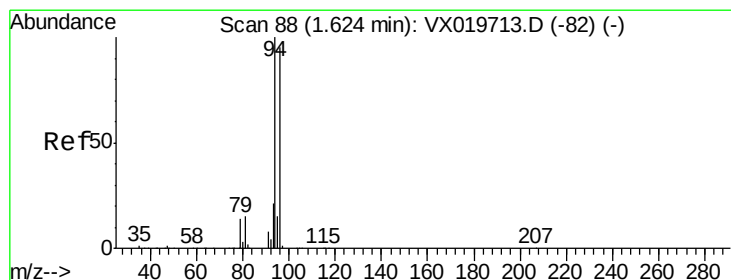
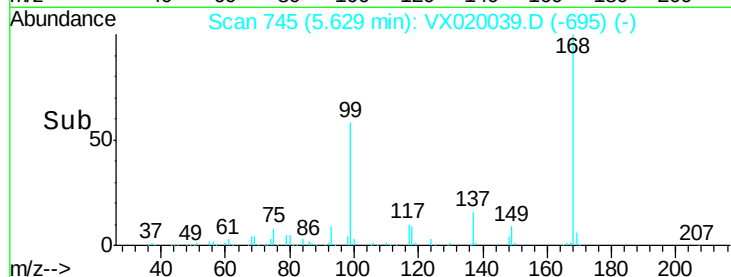
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.709 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020039.D

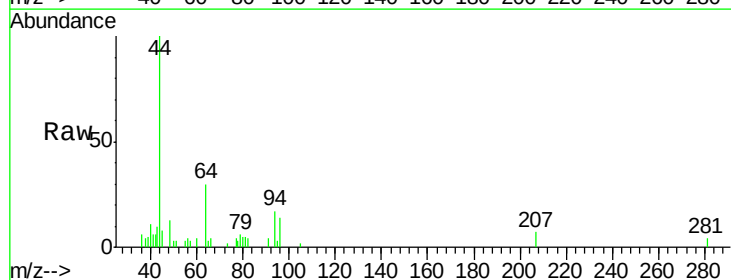
Acq: 16 Dec 2020 02:38

Tgt Ion: 94 Resp: 822

Ion Ratio Lower Upper

94 100

96 66.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

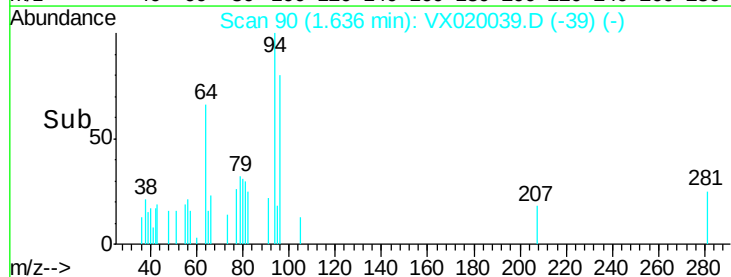
300

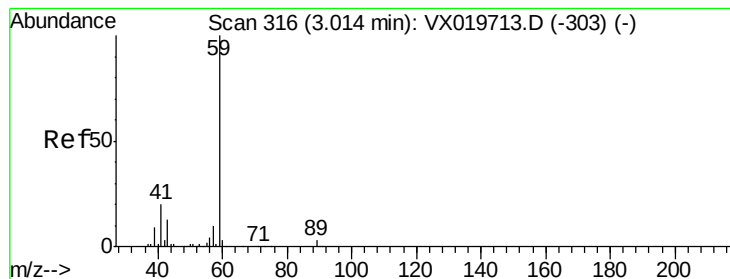
200

100

0

Time-->



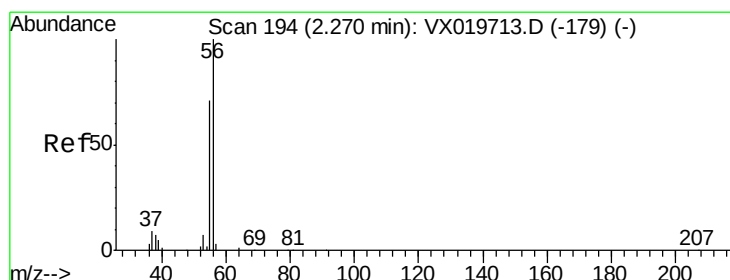
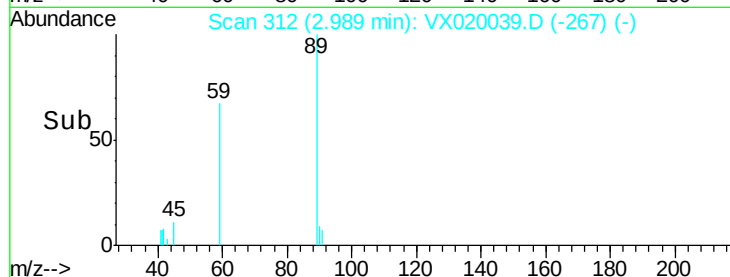
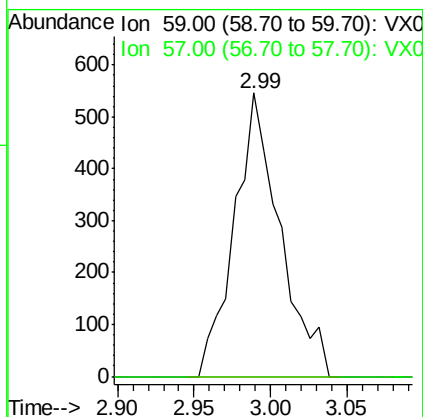
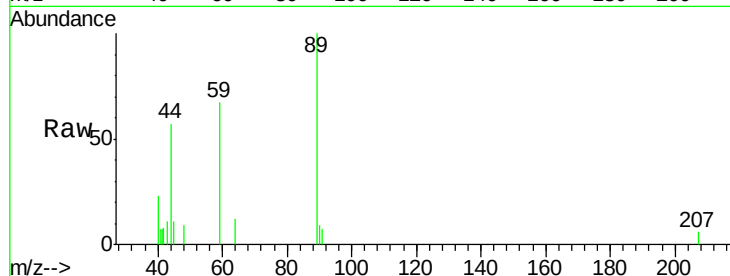


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#15

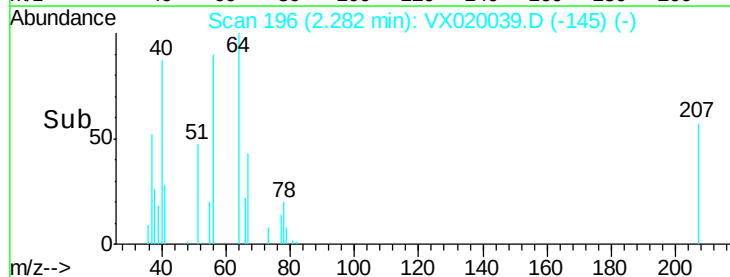
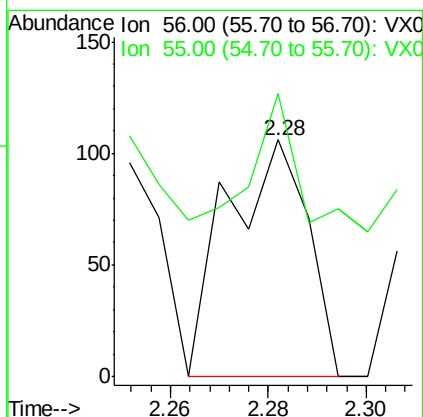
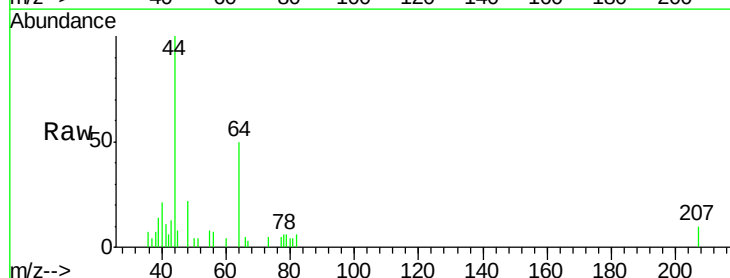
Tgt Ion: 59 Resp: 1131
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

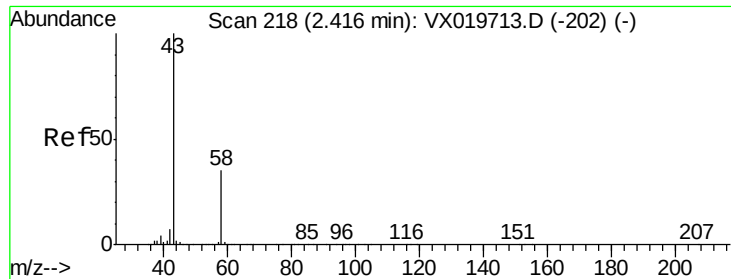


#13

Acrolein
 Concen: 0.271 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Tgt Ion: 56 Resp: 121
 Ion Ratio Lower Upper
 56 100
 55 176.0 56.4 84.6#





#16

Acetone

Concen: 8.635 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

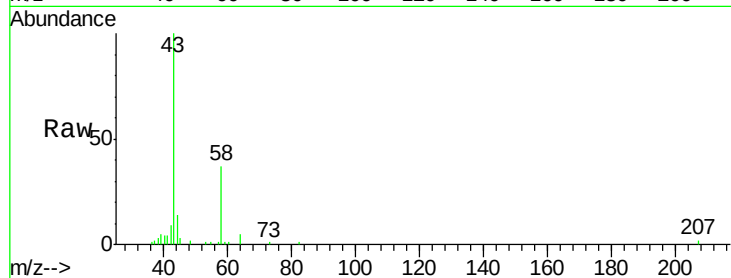
PB133610ZHE#15

Tgt Ion: 43 Resp: 13124

Ion Ratio Lower Upper

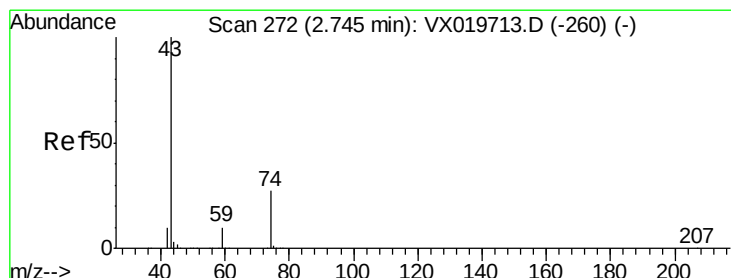
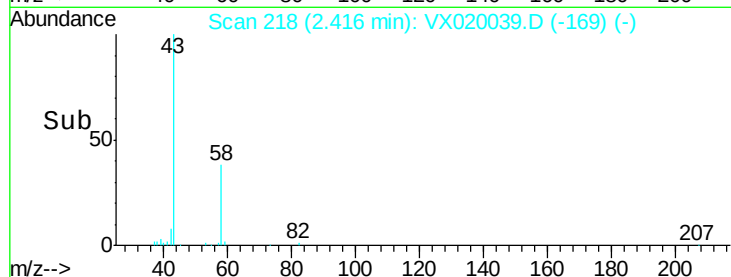
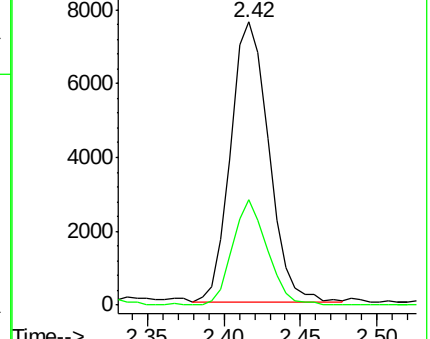
43 100

58 37.7 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: 0.546 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX020039.D

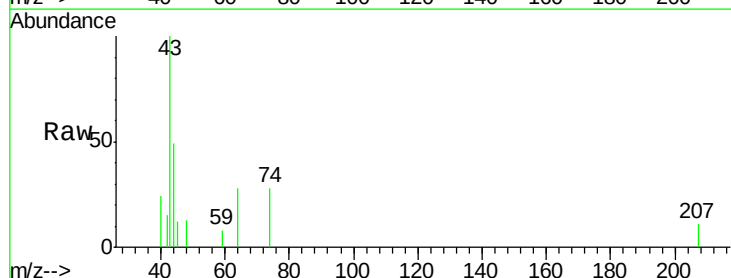
Acq: 16 Dec 2020 02:38

Tgt Ion: 43 Resp: 2029

Ion Ratio Lower Upper

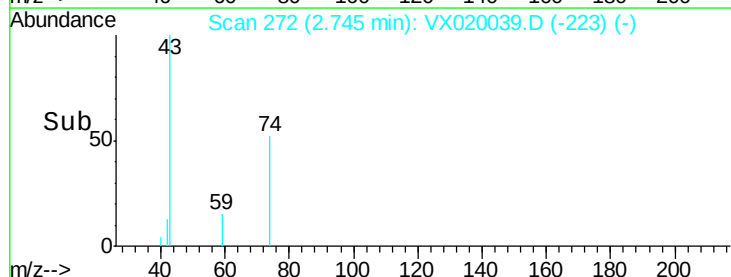
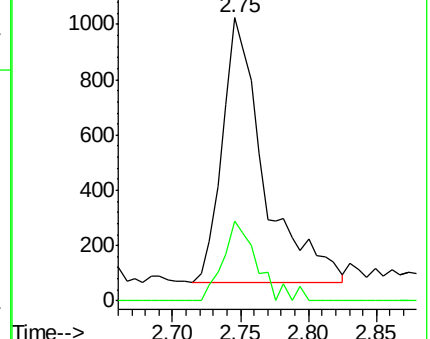
43 100

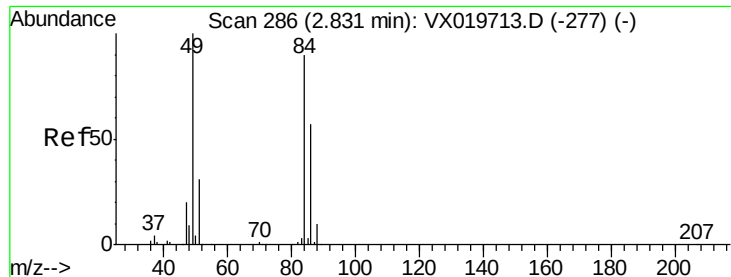
74 24.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

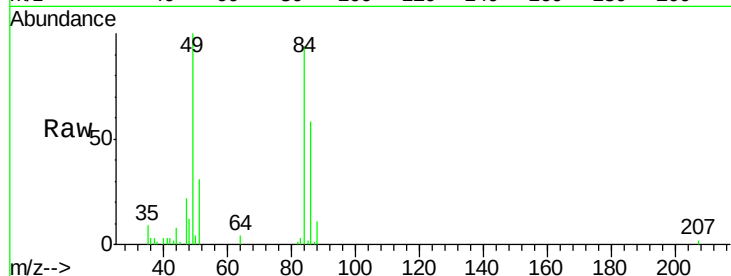




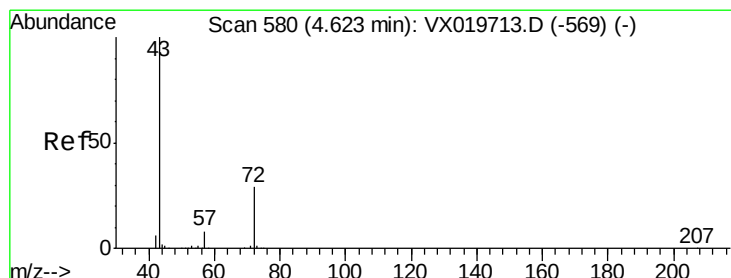
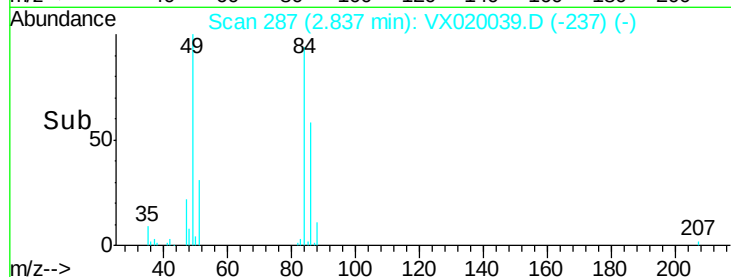
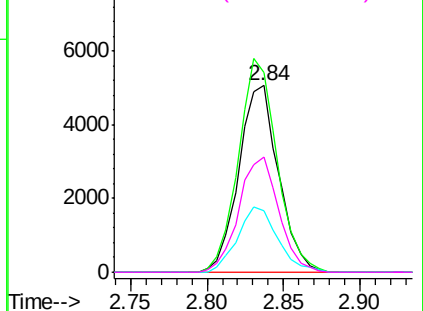
#20
Methylene Chloride
Concen: 1.248 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

Tgt Ion:	84	Resp:	9141
Ion	Ratio	Lower	Upper
84	100		
49	106.6	88.6	132.8
51	32.8	27.0	40.6
86	61.8	50.3	75.5

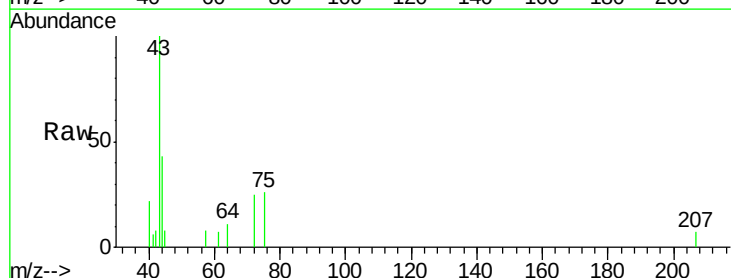


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

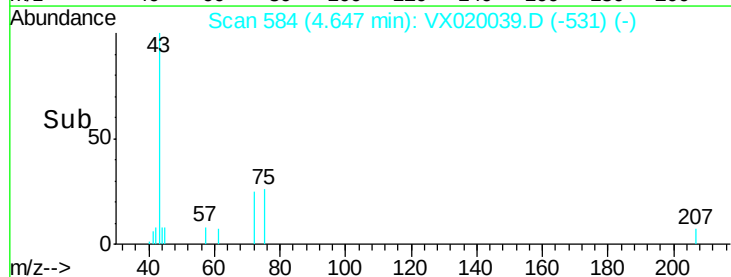
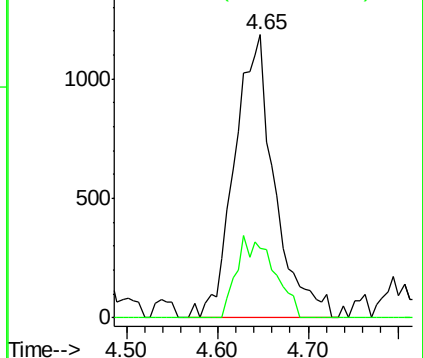


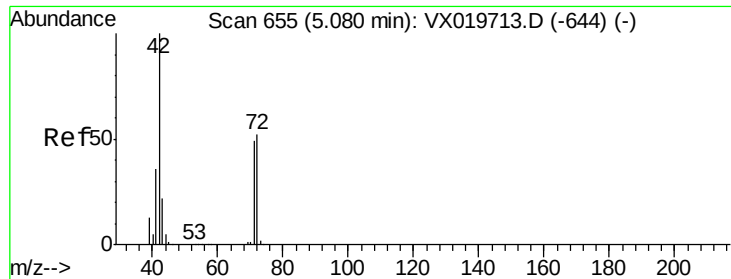
#25
2-Butanone
Concen: 1.556 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.02 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Tgt Ion:	43	Resp:	3635
Ion	Ratio	Lower	Upper
43	100		
72	24.6	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: 0.414 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#15

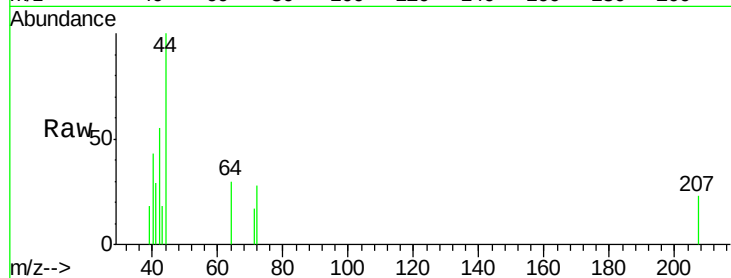
Tgt Ion: 42 Resp: 623

Ion Ratio Lower Upper

42 100

72 27.6 41.7 62.5#

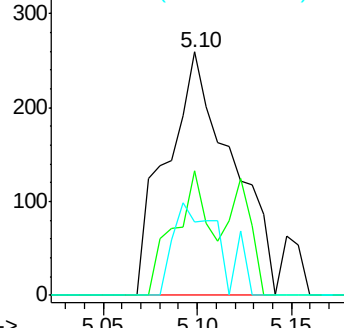
71 27.1 38.4 57.6#



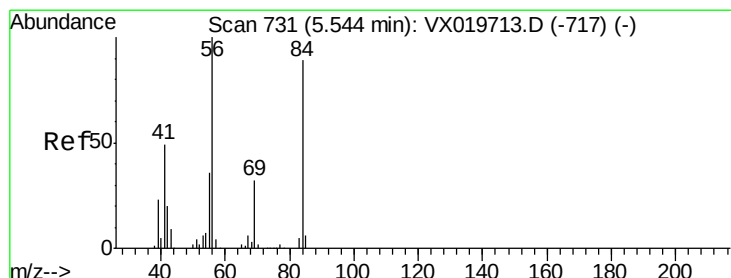
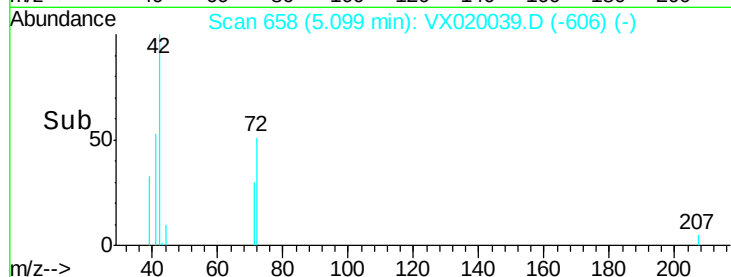
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

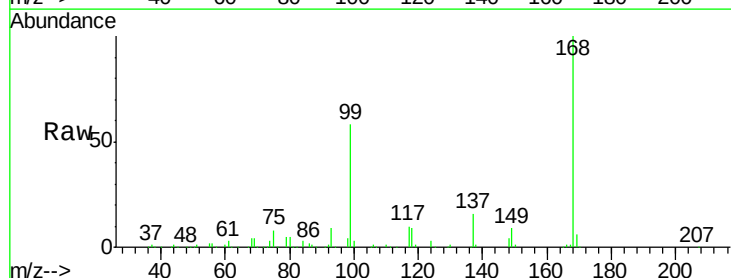
Tgt Ion: 56 Resp: 5864

Ion Ratio Lower Upper

56 100

69 197.4 25.3 37.9#

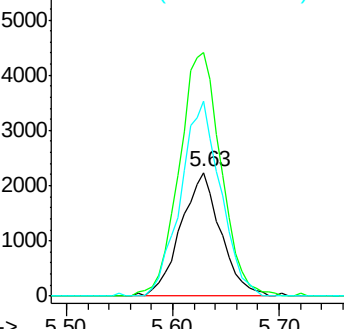
84 158.0 71.4 107.0#



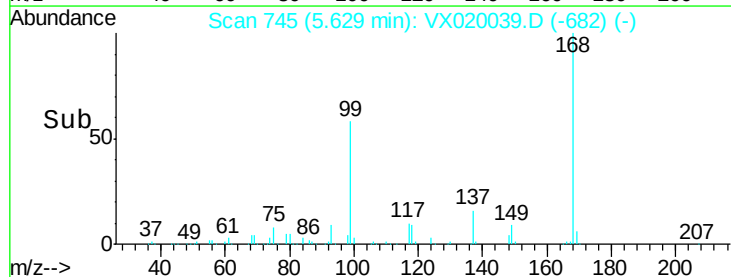
Abundance Ion 56.00 (55.70 to 56.70): VX0

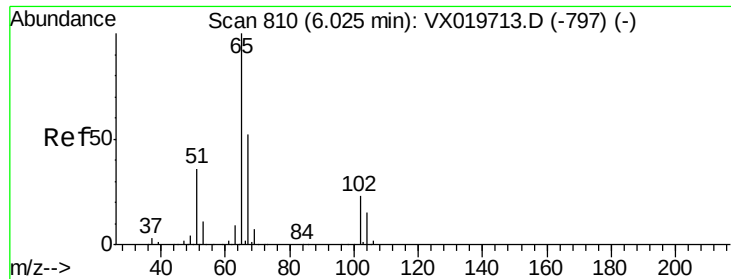
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

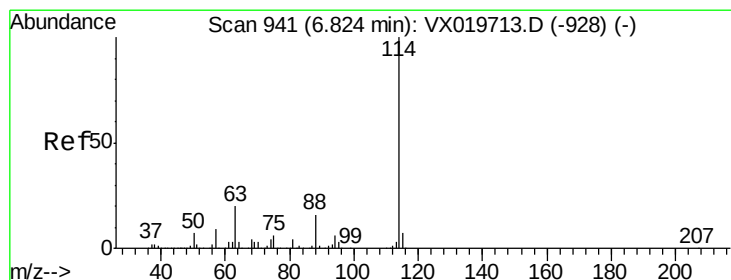
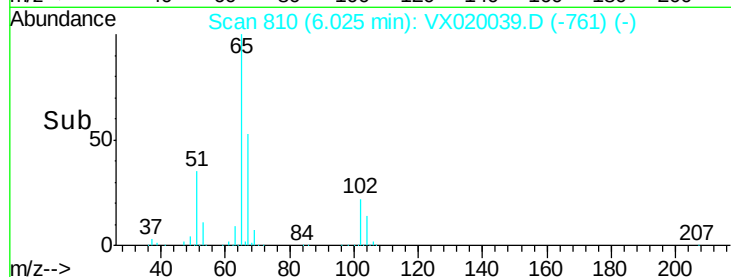
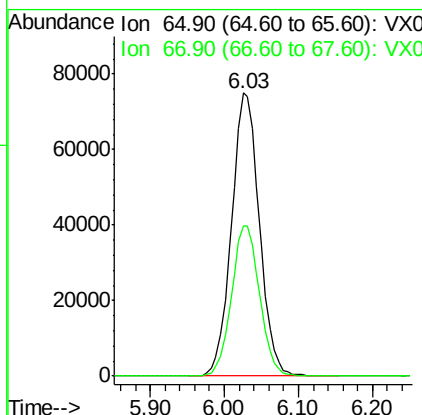
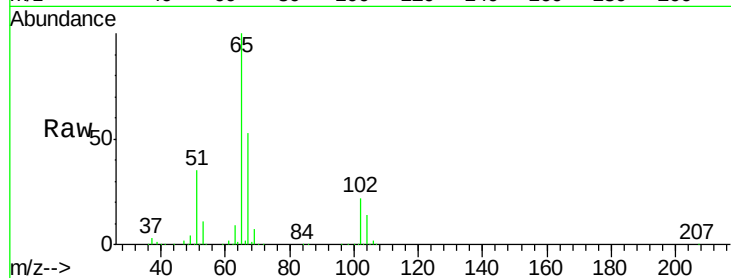




#33
 1,2-Dichloroethane-d4
 Concen: 48.577 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

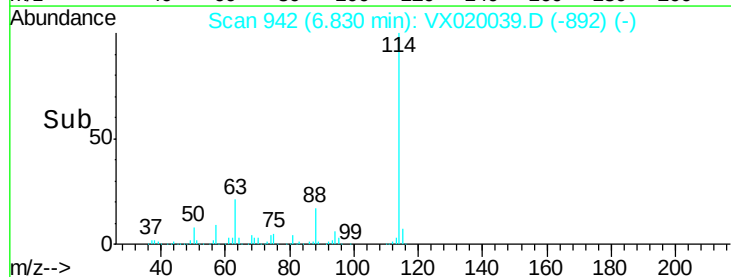
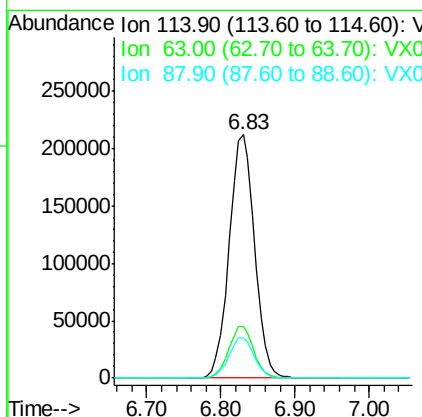
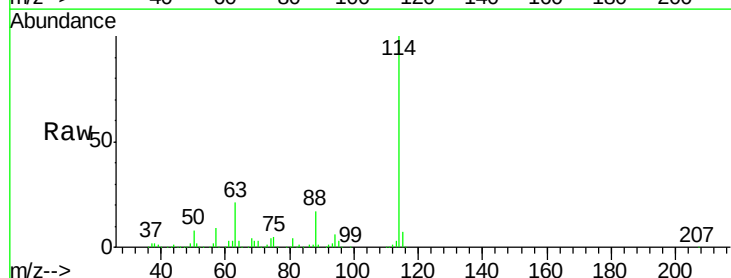
Instrument :
 MSVOA_X
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 PB133610ZHE#15

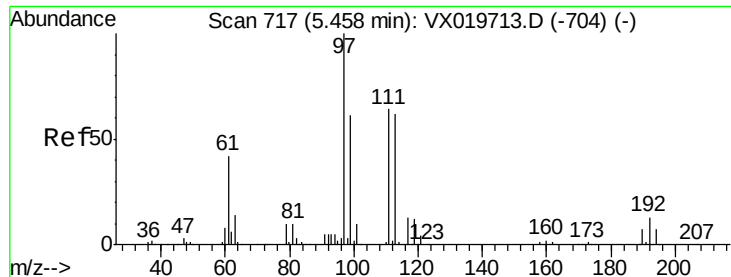
Tgt Ion: 65 Resp: 196417
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Tgt Ion: 114 Resp: 505986
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 16.5 0.0 32.8

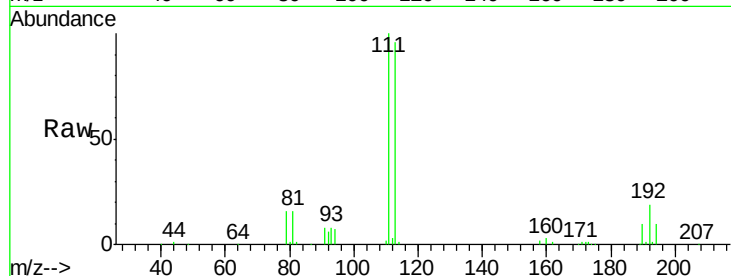




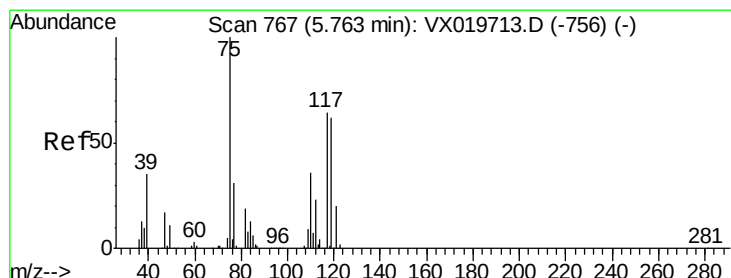
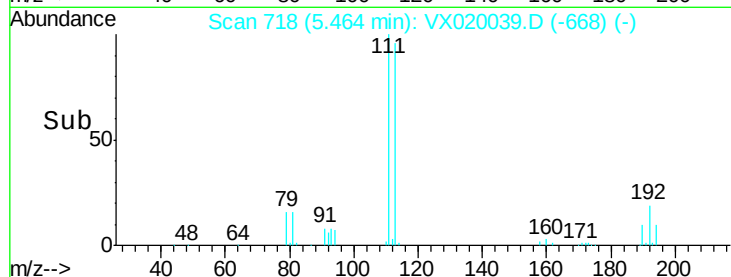
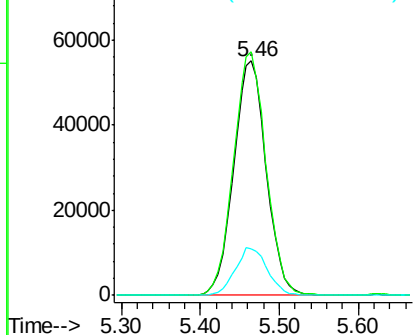
#35
 Dibromofluoromethane
 Concen: 48.310 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#15

Tgt Ion:113 Resp: 157979
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 20.2 16.7 25.1

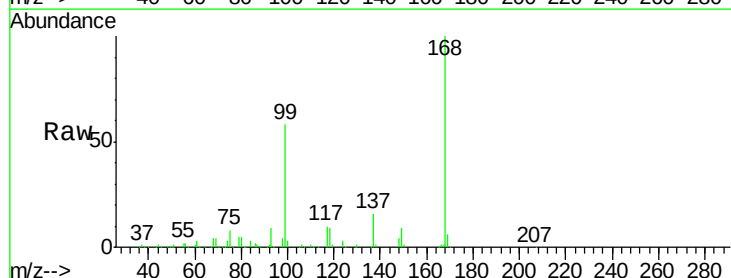


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

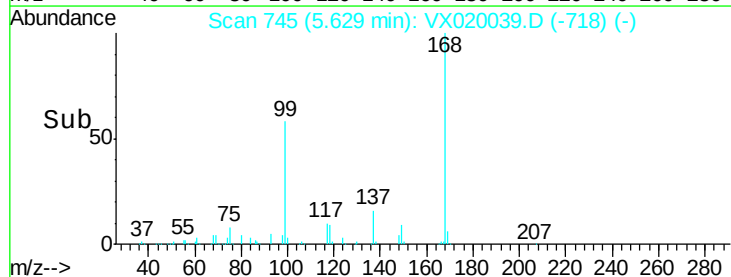
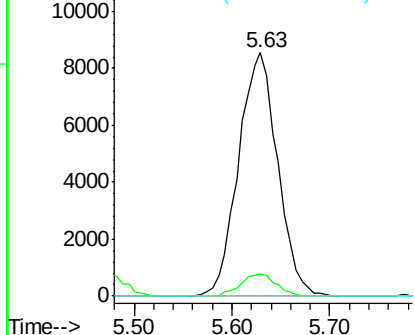


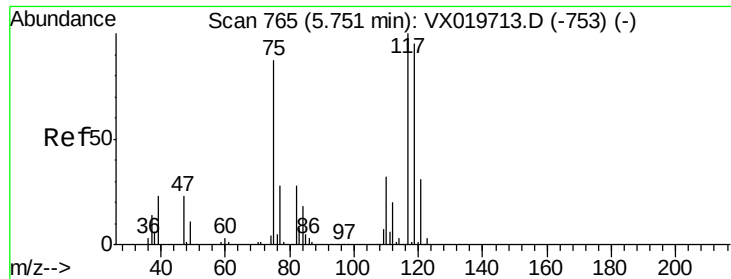
#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Tgt Ion: 75 Resp: 23712
 Ion Ratio Lower Upper
 75 100
 110 8.1 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: 6.703 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#15

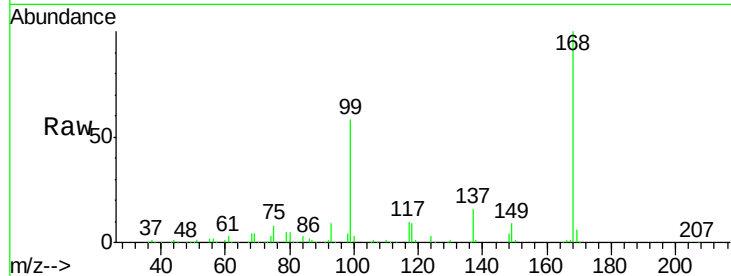
Tgt Ion: 117 Resp: 30012

Ion Ratio Lower Upper

117 100

119 7.0 76.2 114.2#

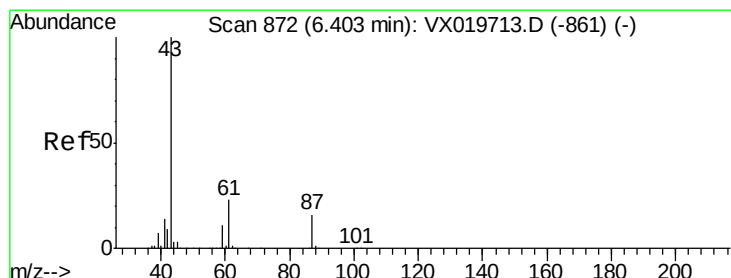
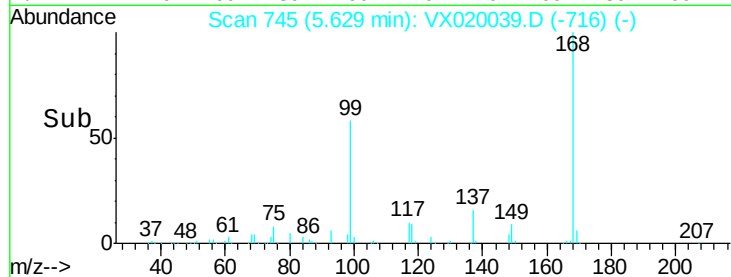
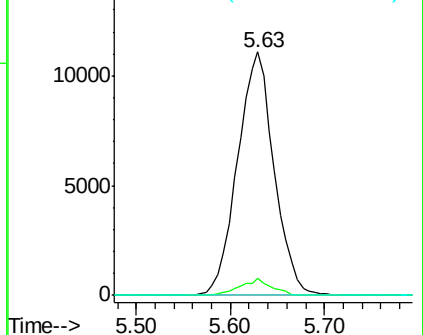
121 0.0 24.8 37.2#



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: 3.453 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

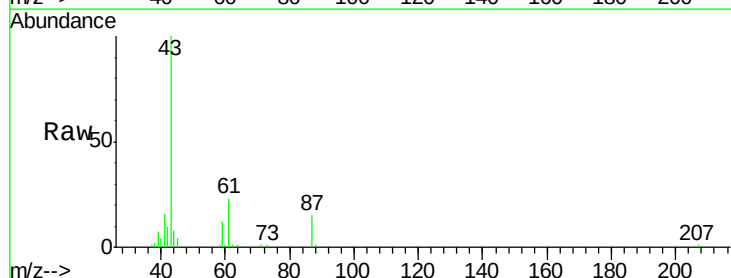
Tgt Ion: 43 Resp: 25917

Ion Ratio Lower Upper

43 100

61 21.8 18.2 27.4

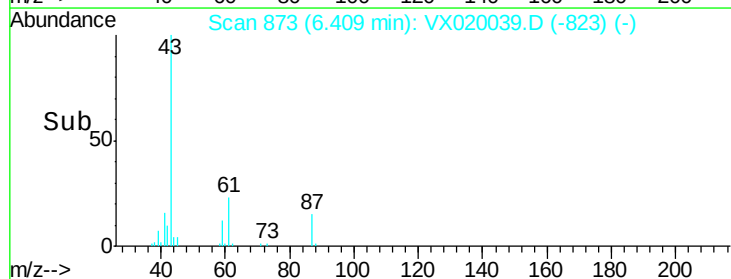
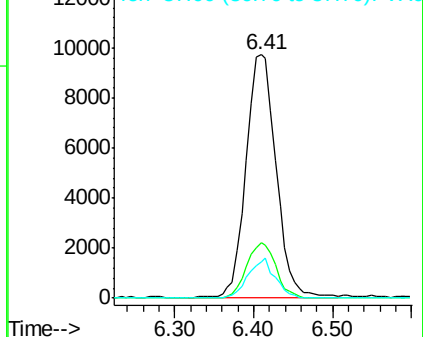
87 14.3 12.5 18.7

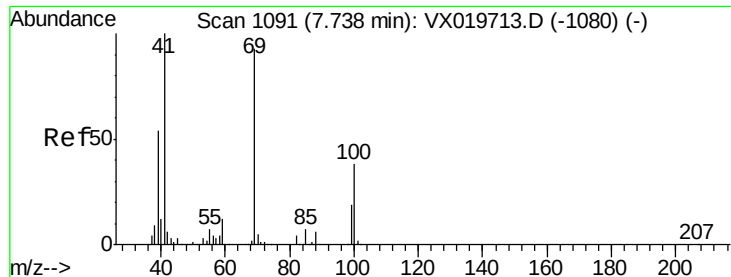


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

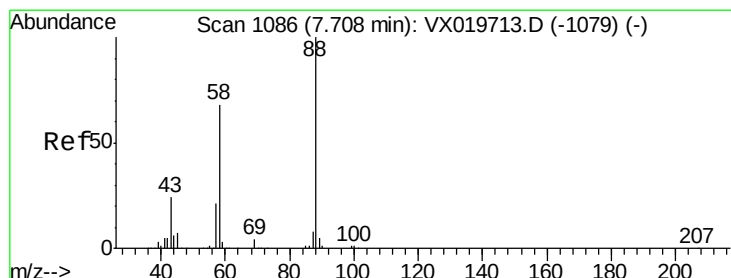
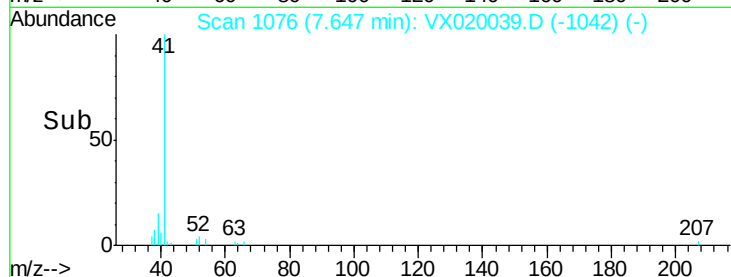
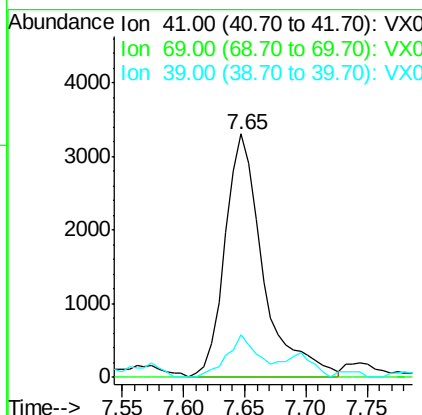
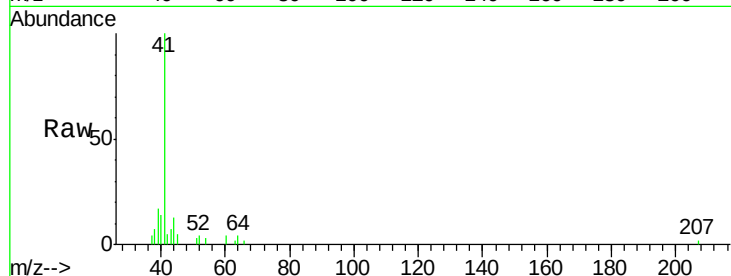




#48
Methyl methacrylate
Concen: 1.938 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

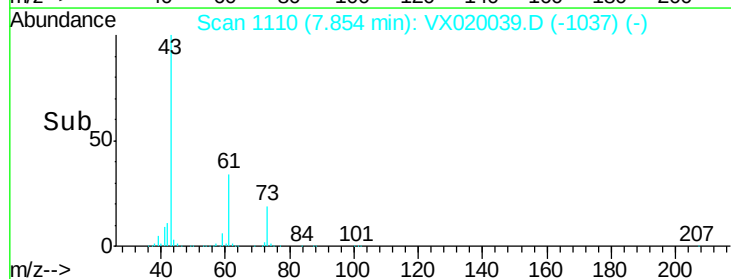
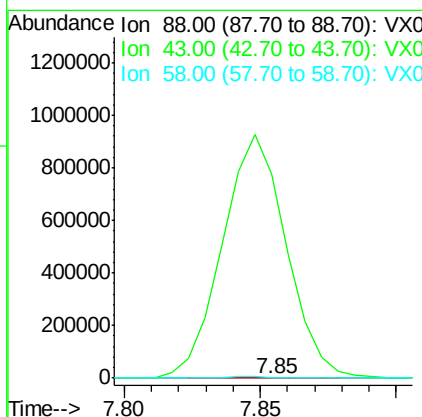
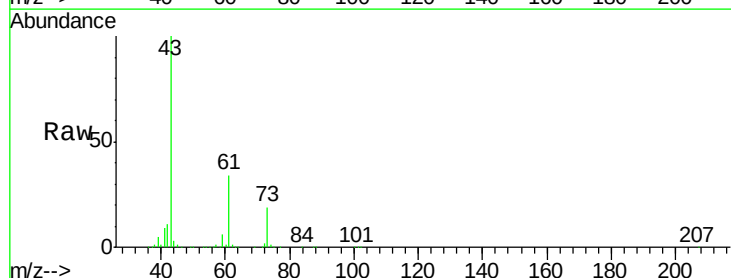
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

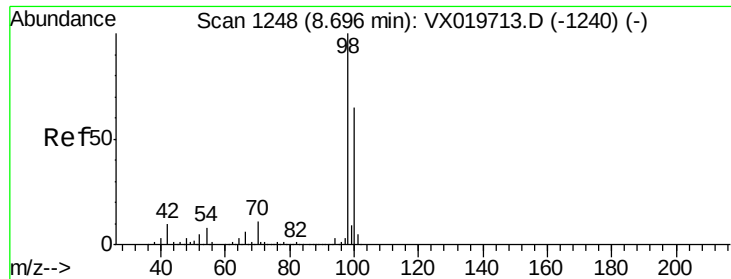
Tgt Ion: 41 Resp: 7154
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.154 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.15 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Tgt Ion: 88 Resp: 282
Ion Ratio Lower Upper
88 100
43 538303.9 23.2 34.8#
58 2776.2 55.0 82.4#

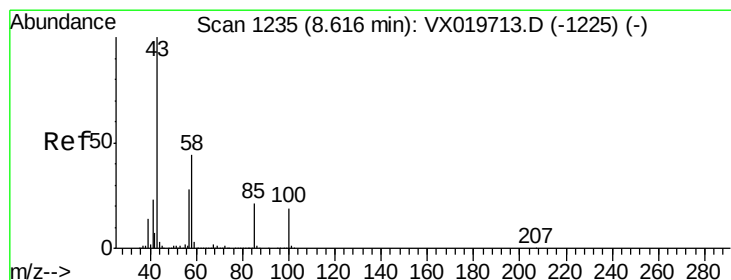
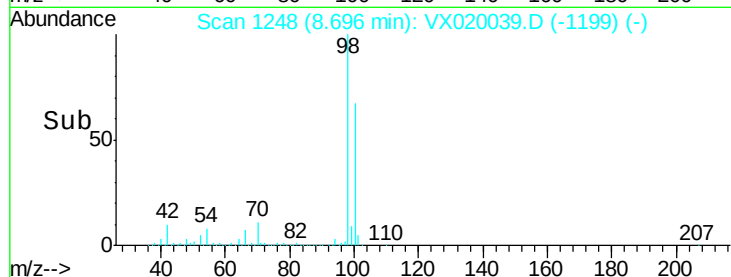
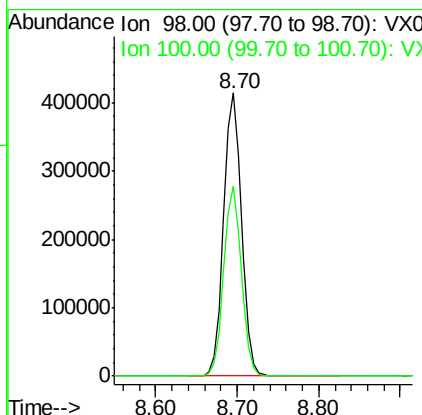
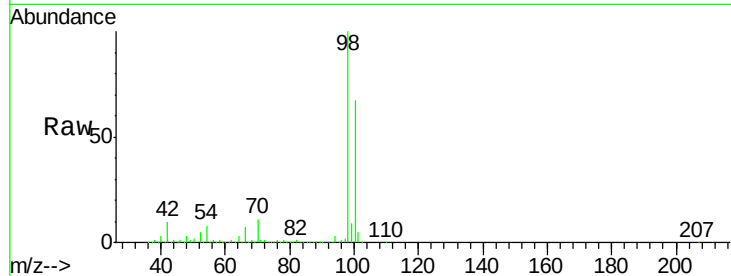




#50
Toluene-d8
Concen: 50.412 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

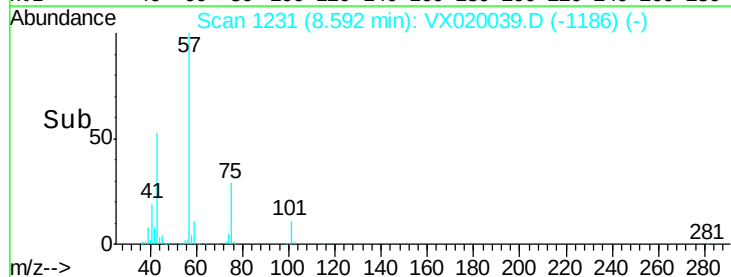
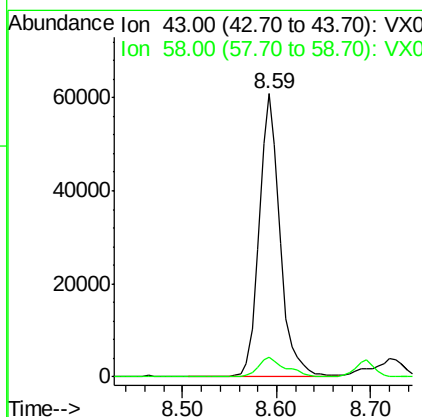
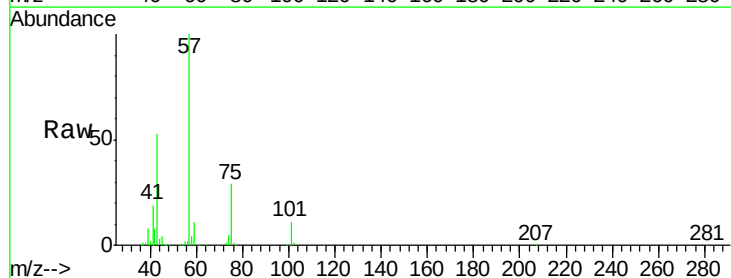
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

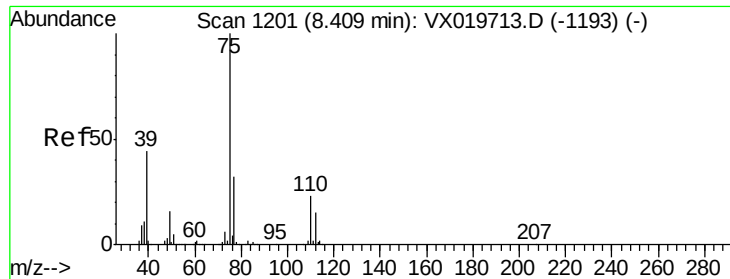
Tgt Ion: 98 Resp: 629363
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.634 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Tgt Ion: 43 Resp: 94550
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



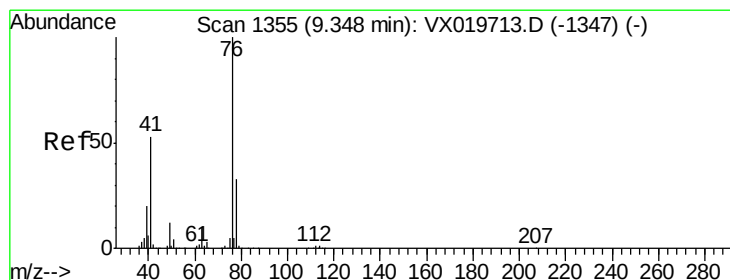
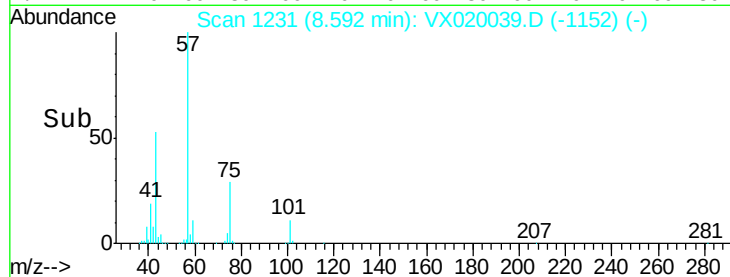
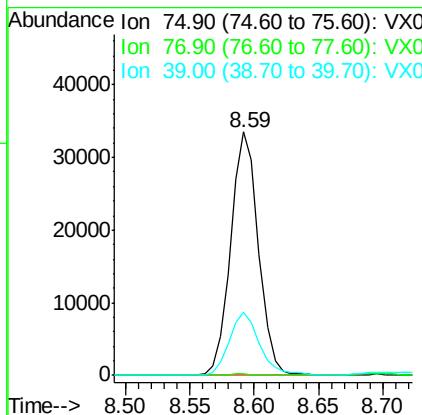
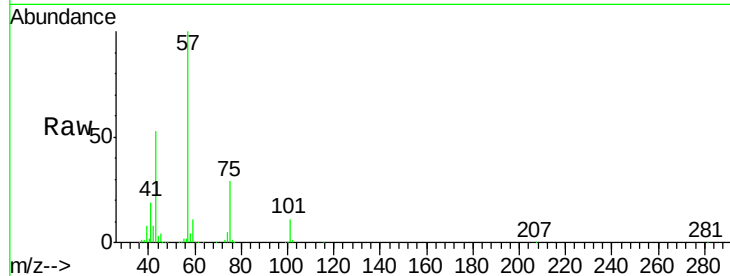


#54

cis-1,3-Dichloropropene
 Concen: 8.914 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#15

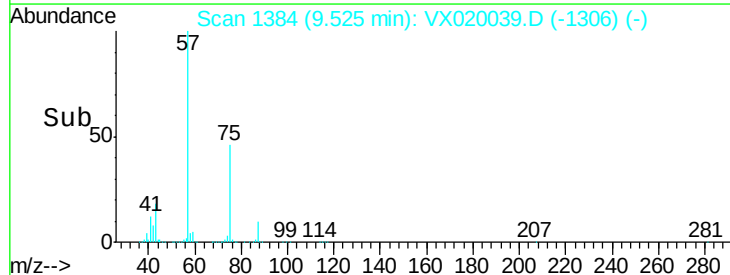
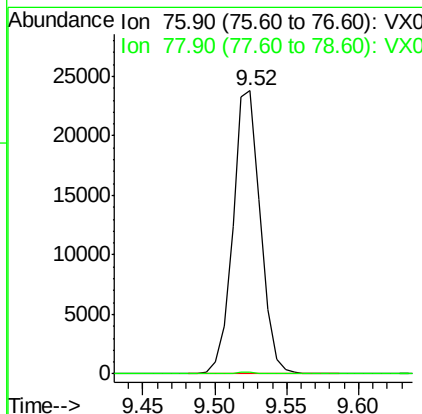
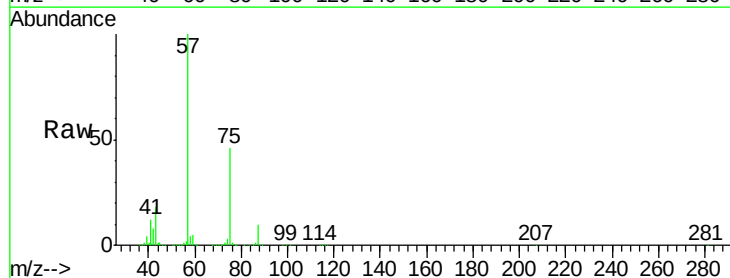
Tgt Ion: 75 Resp: 50268
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 25.9 35.1 52.7#

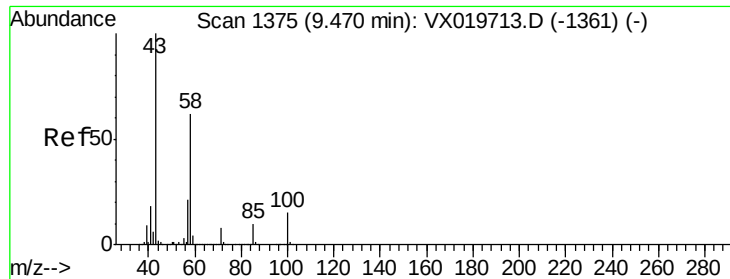


#57

1,3-Dichloropropane
 Concen: 5.278 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX020039.D
 Acq: 16 Dec 2020 02:38

Tgt Ion: 76 Resp: 31725
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

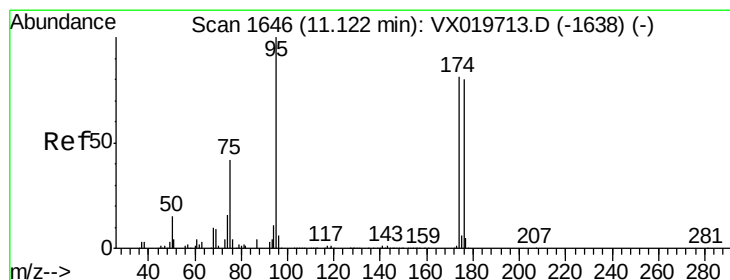
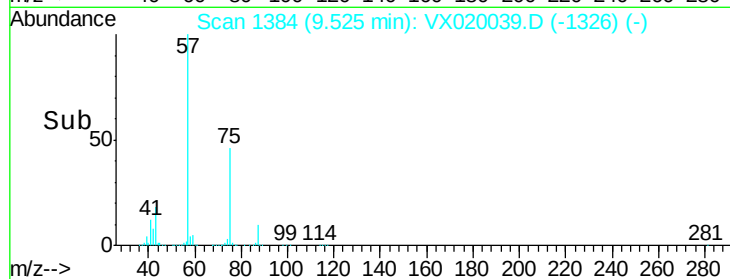
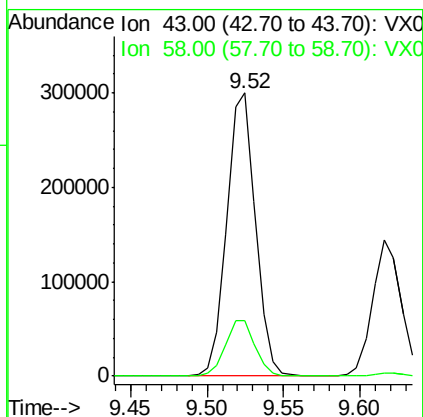
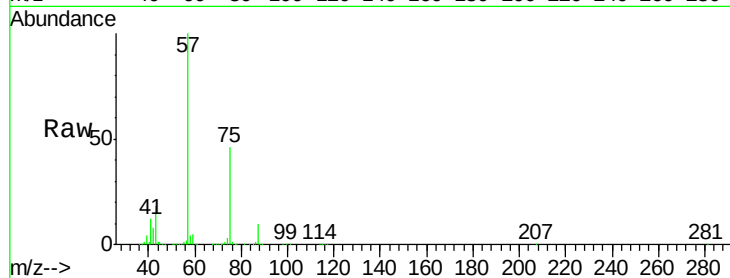




#59
2-Hexanone
Concen: 109.381 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

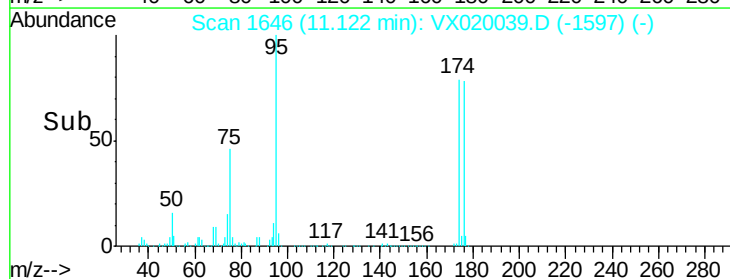
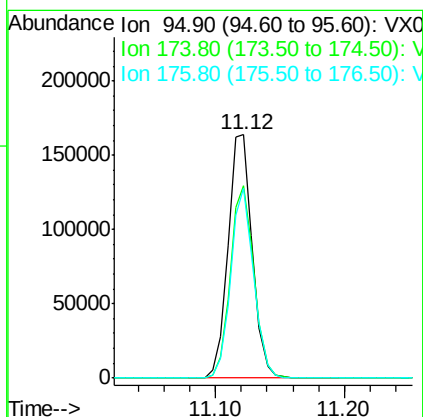
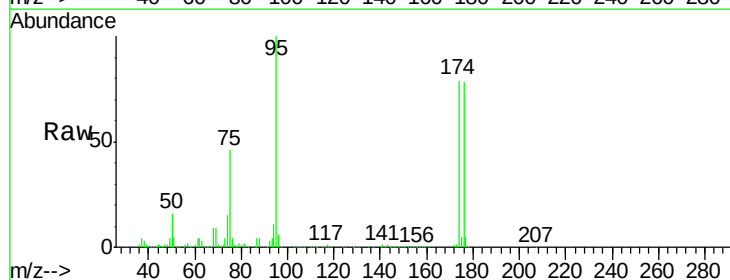
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

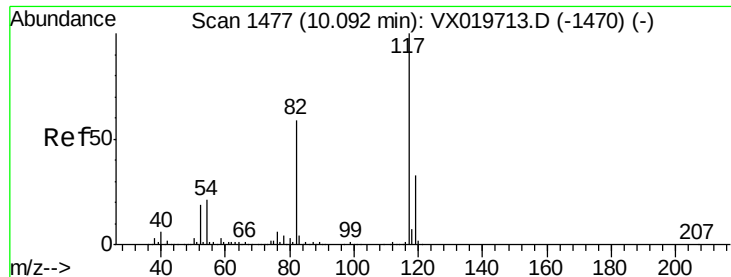
Tgt Ion: 43 Resp: 388509
Ion Ratio Lower Upper
43 100
58 20.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.436 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Tgt Ion: 95 Resp: 215898
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 73.9 0.0 155.8

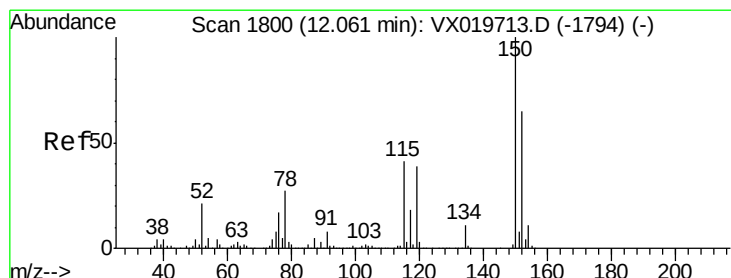
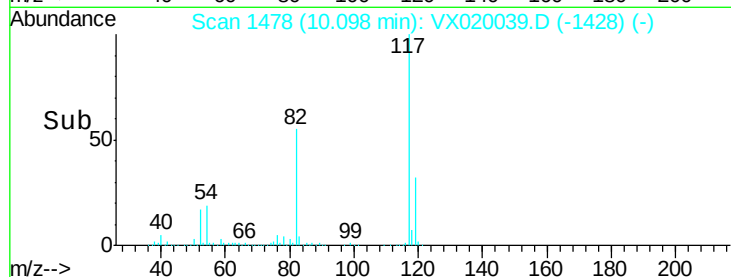
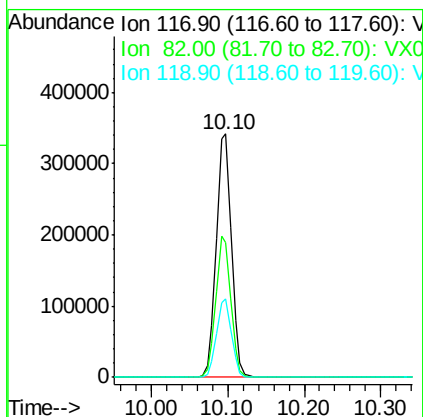
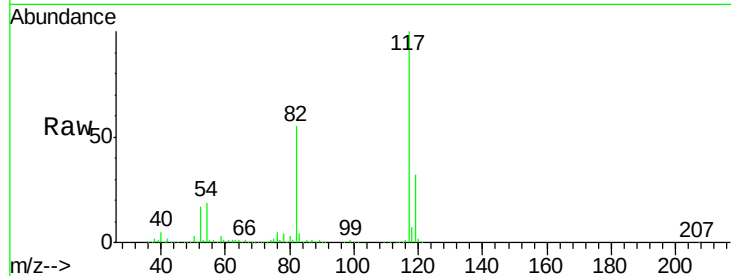




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

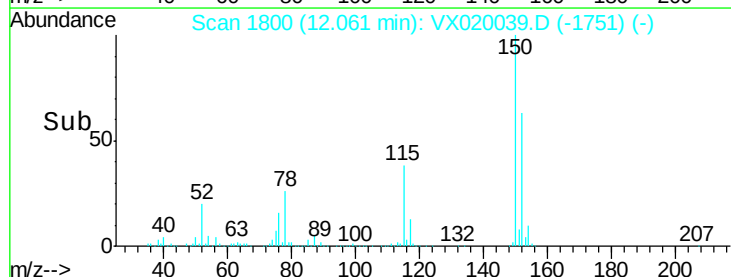
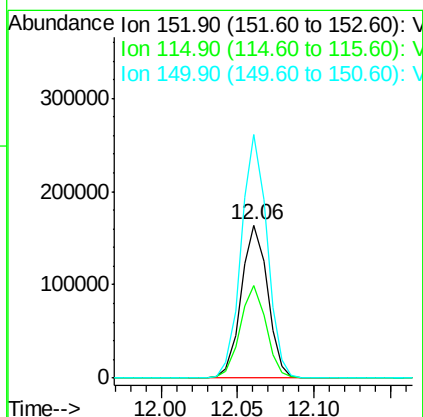
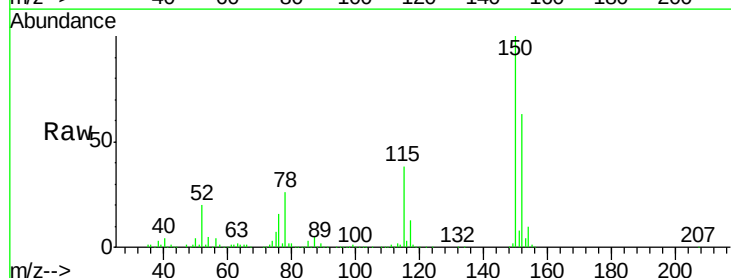
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#15

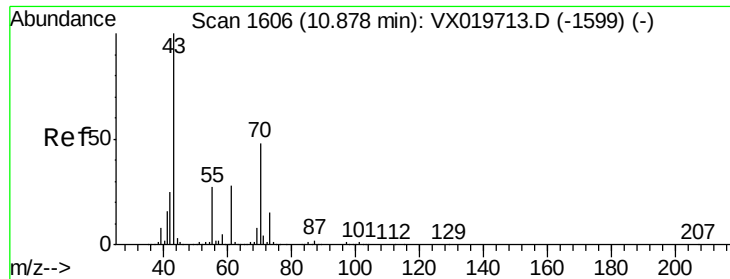
Tgt Ion:117 Resp: 470772
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020039.D
Acq: 16 Dec 2020 02:38

Tgt Ion:152 Resp: 196337
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 156.3 0.0 349.0





#74

N-amyI acetate

Concen: 3.245 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#15

Tgt Ion: 43 Resp: 17444

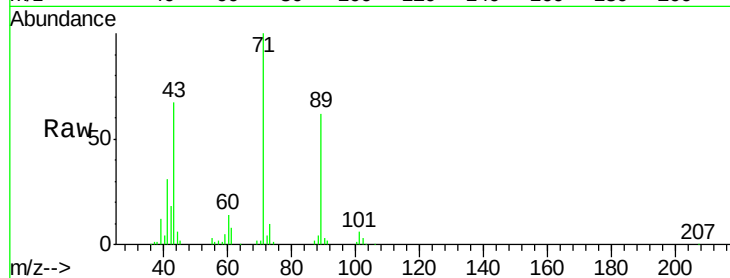
Ion Ratio Lower Upper

43 100

70 2.7 39.0 58.6#

55 5.5 21.5 32.3#

61 12.4 22.1 33.1#

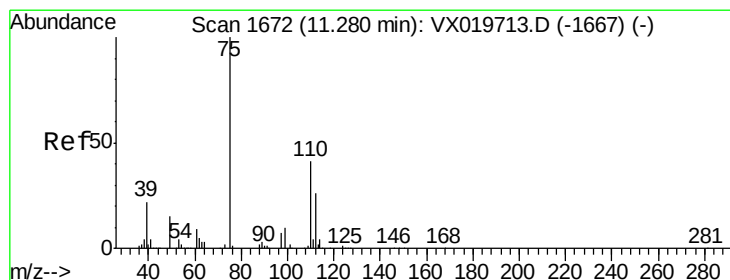
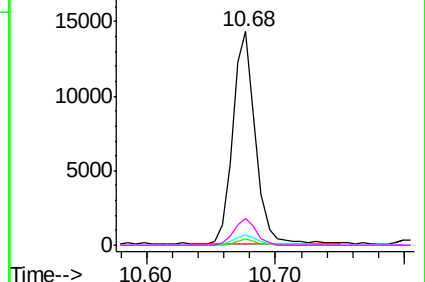
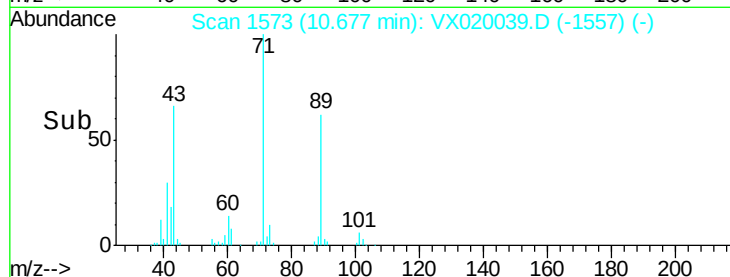


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.277 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020039.D

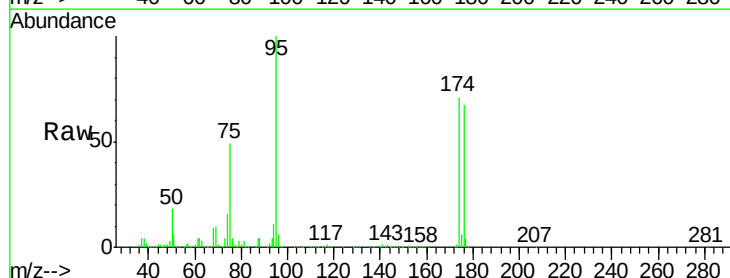
Acq: 16 Dec 2020 02:38

Tgt Ion: 75 Resp: 102502

Ion Ratio Lower Upper

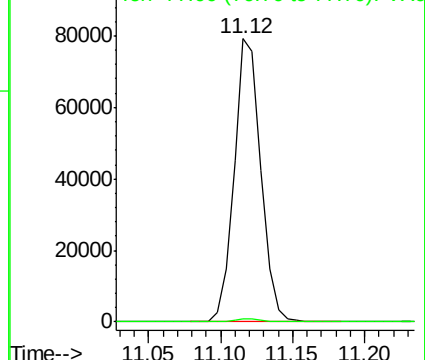
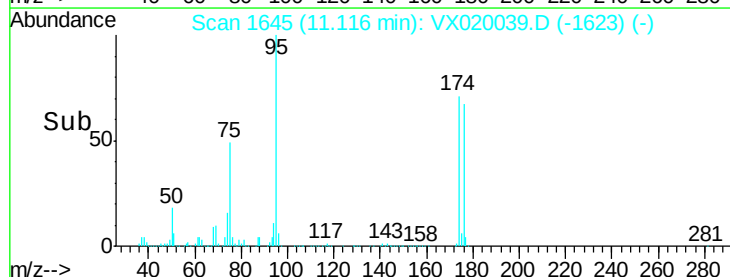
75 100

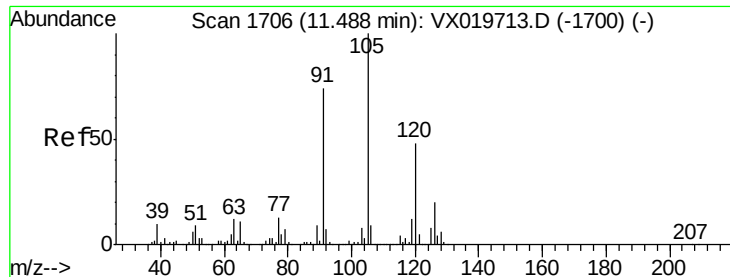
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.612 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

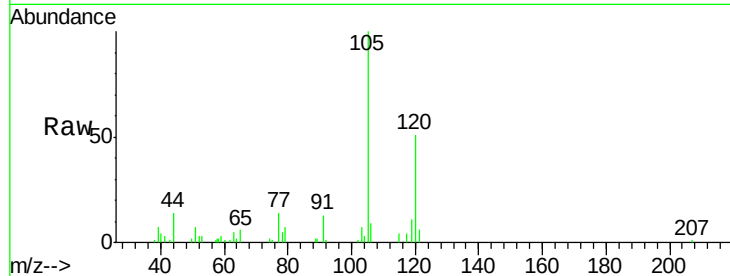
PB133610ZHE#15

Tgt Ion:105 Resp: 6933

Ion Ratio Lower Upper

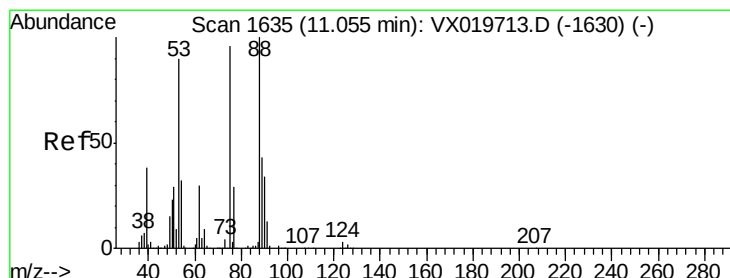
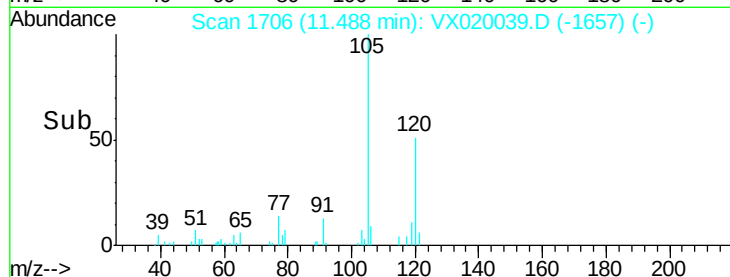
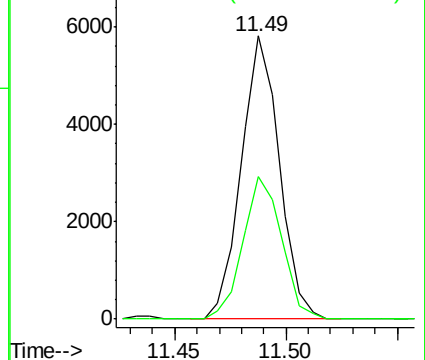
105 100

120 51.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.291 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020039.D

Acq: 16 Dec 2020 02:38

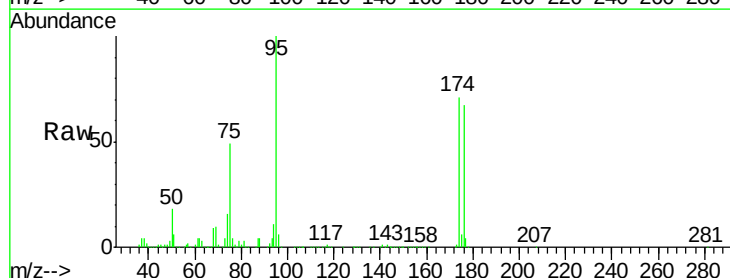
Tgt Ion: 75 Resp: 102502

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

