

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020022.D
 Acq On : 15 Dec 2020 19:17
 Operator : JC/MD
 Sample : PB133610ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#04

Quant Time: Dec 16 00:28:47 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	295696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	500344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	467209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204532	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	193540	49.80	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.60%	
35) Dibromofluoromethane		5.46	113	157240	48.63	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.26%	
50) Toluene-d8		8.70	98	617697	50.04	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.08%	
62) 4-Bromofluorobenzene		11.12	95	217040	46.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.38%	

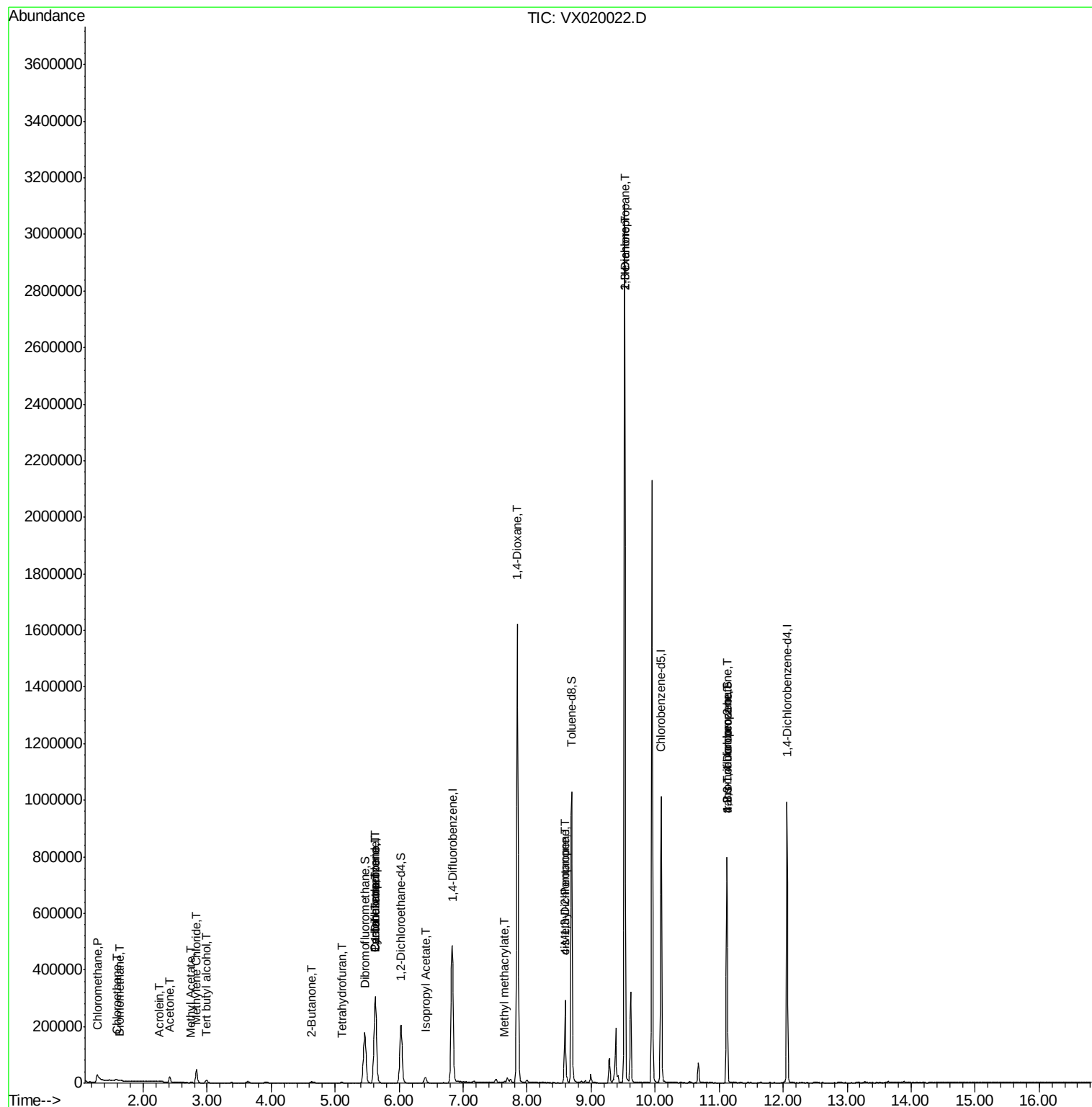
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	760	0.239	ug/l #	42
5) Bromomethane	1.64	94	406	0.364	ug/l #	70
6) Chloroethane	1.60	64	653	0.324	ug/l #	79
11) Tert butyl alcohol	3.00	59	5174	3.903	ug/l #	76
13) Acrolein	2.26	56	191	0.445	ug/l #	1
16) Acetone	2.42	43	19746	13.518	ug/l	94
18) Methyl Acetate	2.75	43	2953	0.826	ug/l	94
20) Methylene Chloride	2.84	84	22330	5.428	ug/l	97
25) 2-Butanone	4.64	43	4092	1.823	ug/l	99
29) Tetrahydrofuran	5.10	42	1370	0.947	ug/l #	79
31) Cyclohexane	5.62	56	5775	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22796	5.042	ug/l #	48
38) Carbon Tetrachloride	5.62	117	28962	6.541	ug/l #	17
43) Isopropyl Acetate	6.41	43	26316	3.546	ug/l	99
48) Methyl methacrylate	7.65	41	7057	1.933	ug/l #	10
49) 1,4-Dioxane	7.84	88	268	3.031	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	90797	20.038	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	47950	8.599	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	28411	4.780	ug/l #	43
59) 2-Hexanone	9.52	43	343657	97.844	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	105301	22.955	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105301	66.358	ug/l #	12

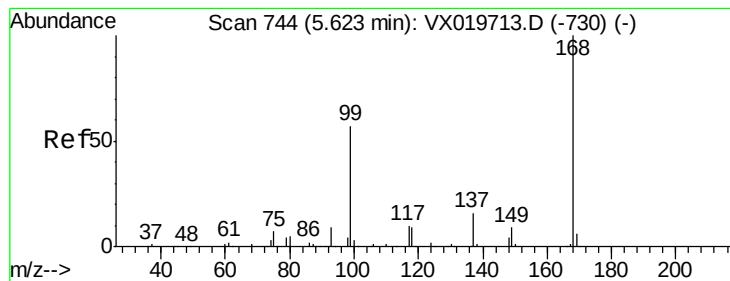
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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Quant Time: Dec 16 00:28:47 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: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

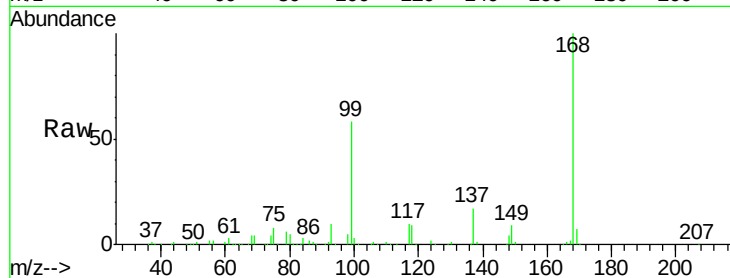
PB133610ZHE#04

Tgt Ion:168 Resp: 295696

Ion Ratio Lower Upper

168 100

99 57.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

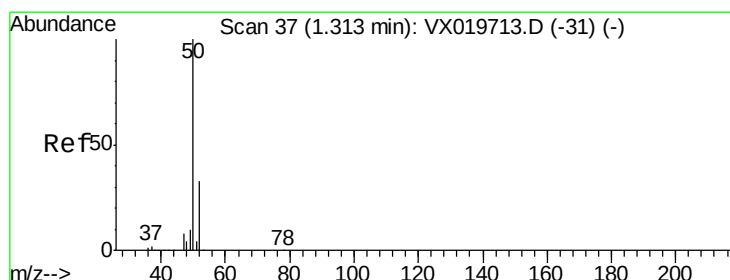
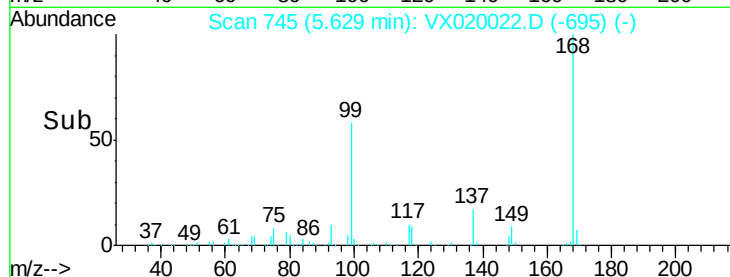
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.28 min Scan# 32

Delta R.T. -0.03 min

Lab File: VX020022.D

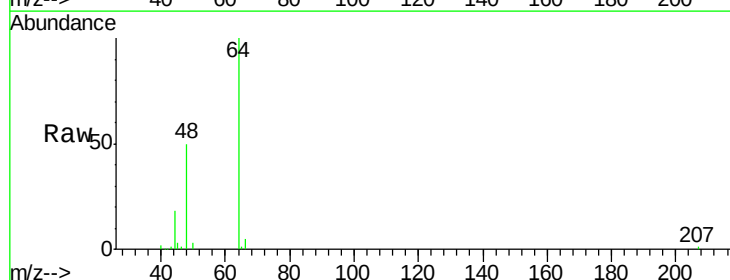
Acq: 15 Dec 2020 19:17

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.28

500

400

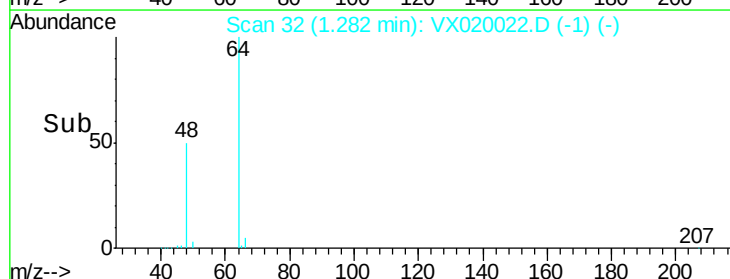
300

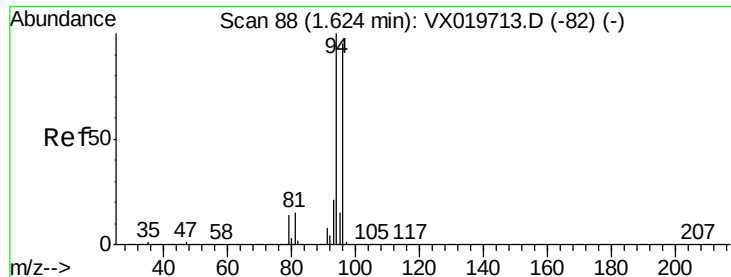
200

100

0

Time-->





#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

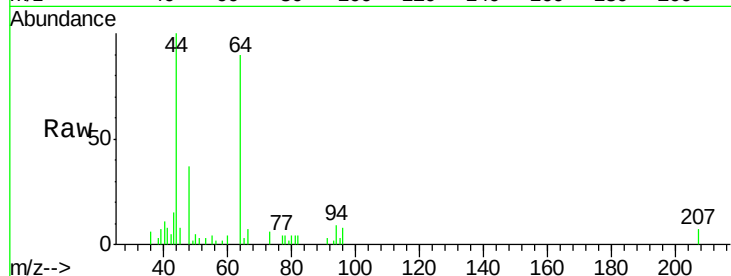
PB133610ZHE#04

Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

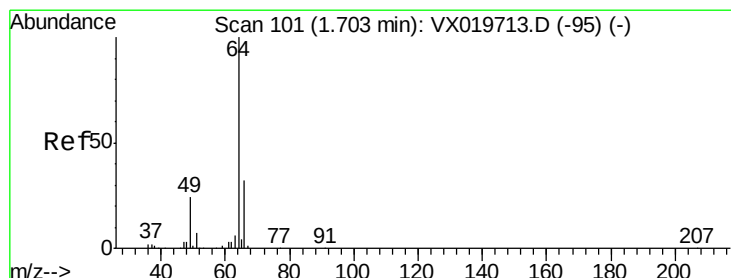
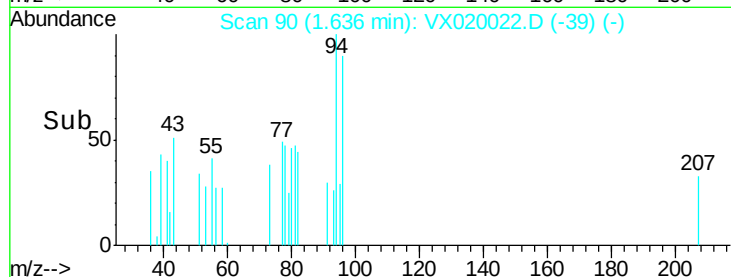
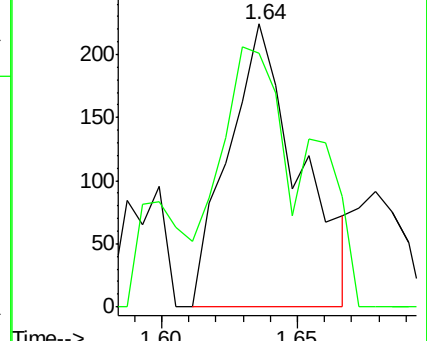
94 100

96 66.5 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.324 ug/l

RT: 1.60 min Scan# 84

Delta R.T. -0.10 min

Lab File: VX020022.D

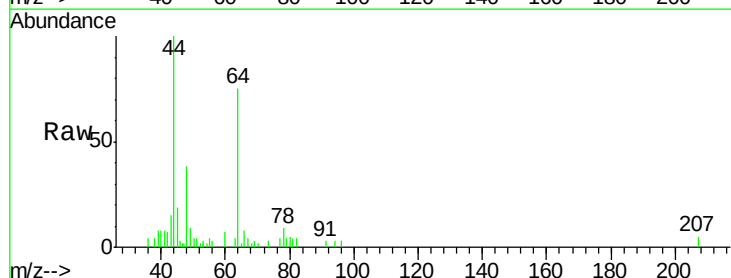
Acq: 15 Dec 2020 19:17

Tgt Ion: 64 Resp: 653

Ion Ratio Lower Upper

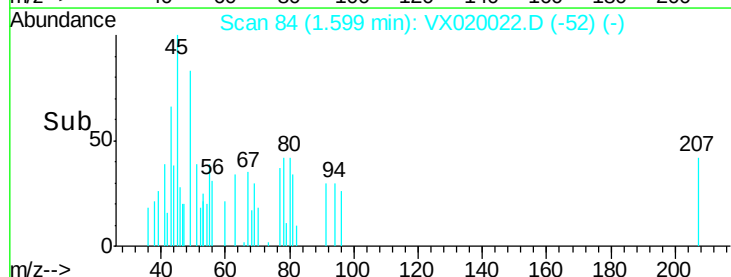
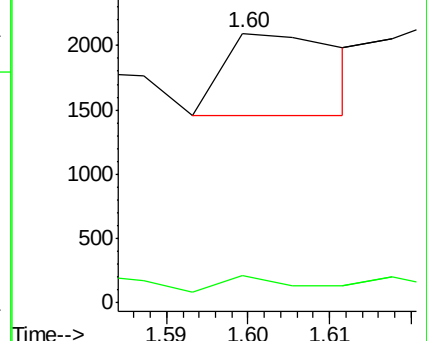
64 100

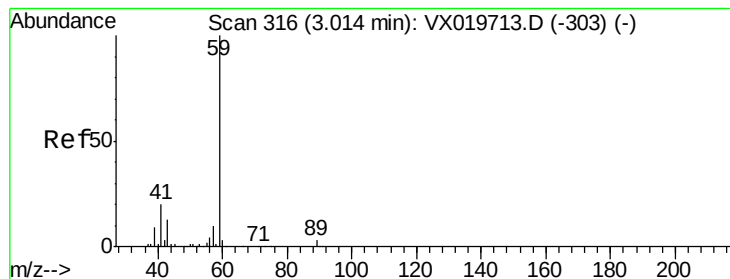
66 20.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



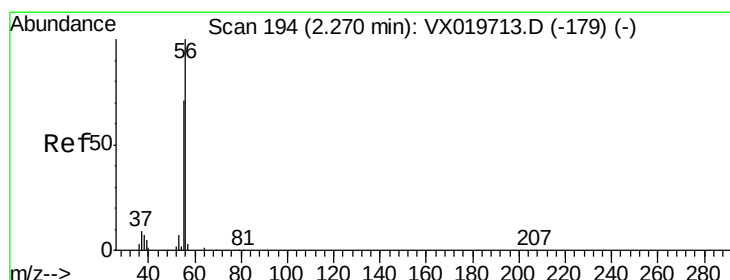
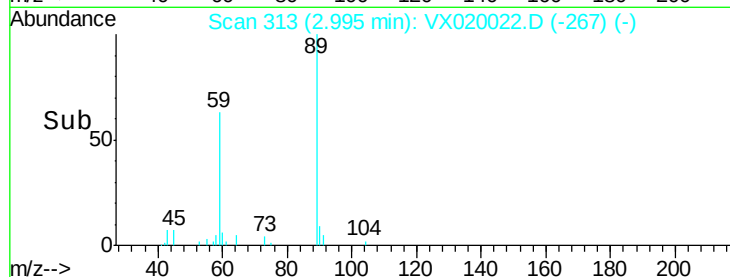
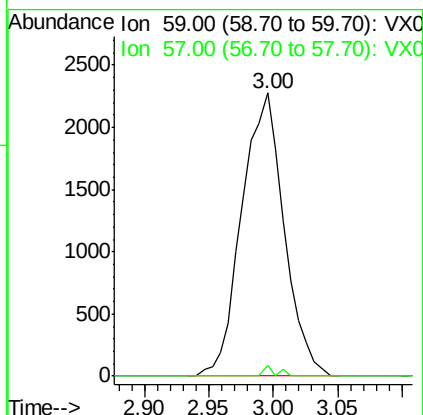
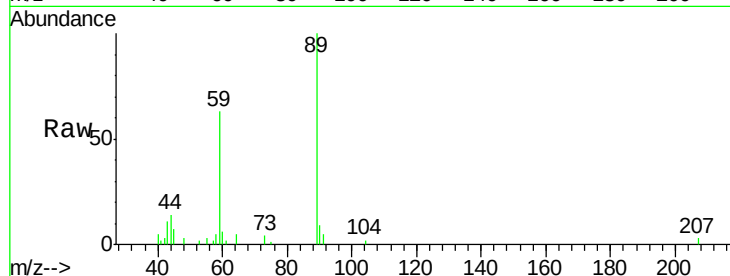


#11

Tert butyl alcohol
Concen: 3.903 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#04

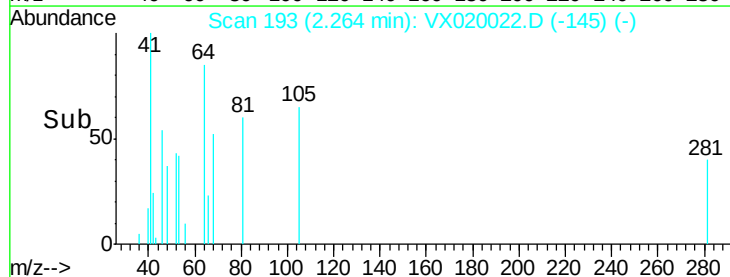
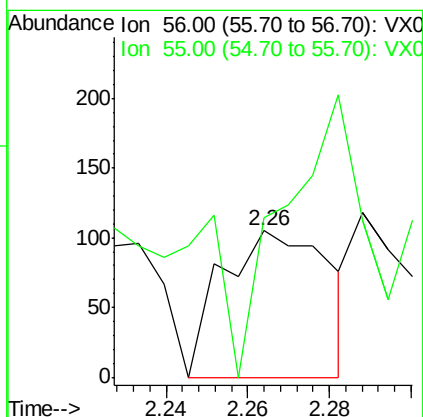
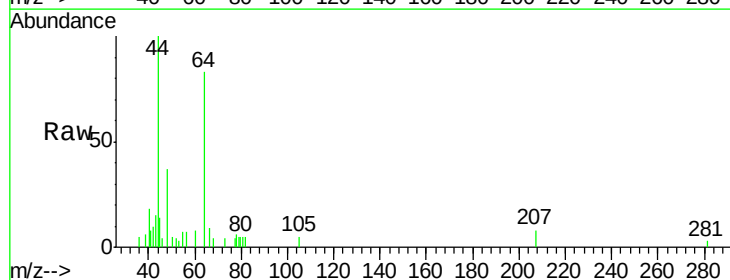
Tgt Ion: 59 Resp: 5174
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#

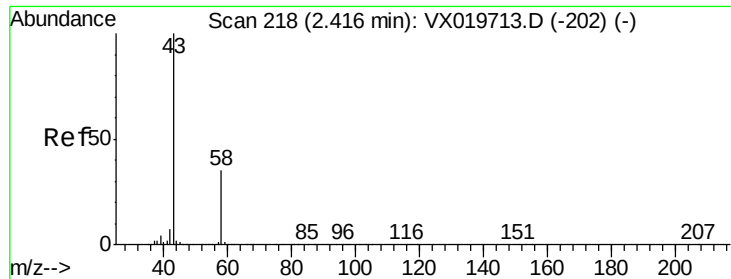


#13

Acrolein
Concen: 0.445 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 215.7 56.4 84.6#





#16

Acetone

Concen: 13.518 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

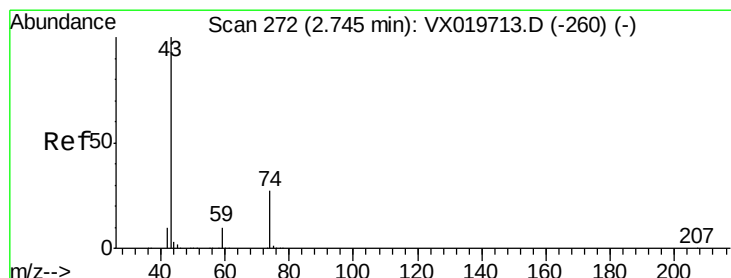
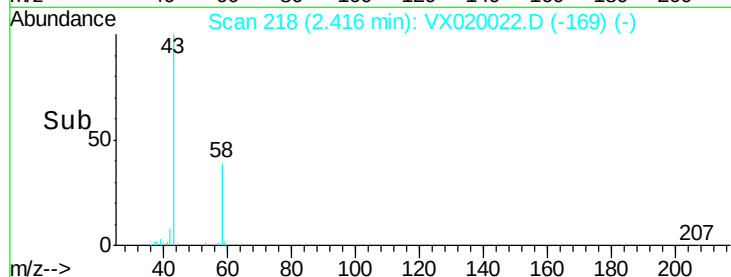
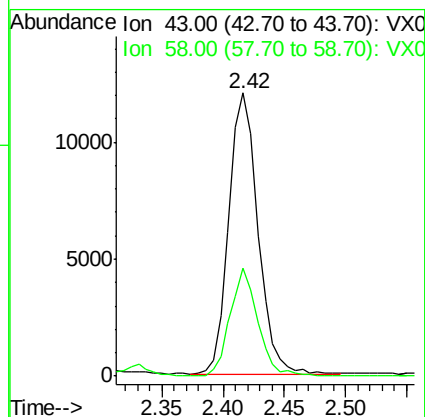
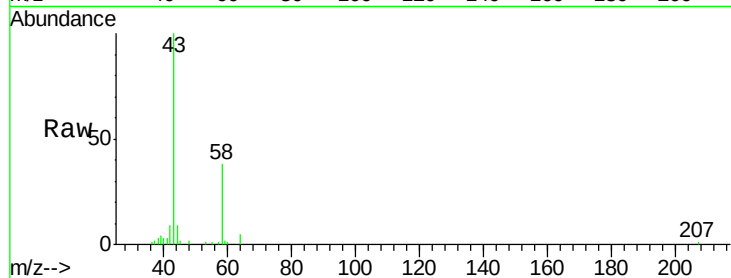
PB133610ZHE#04

Tgt Ion: 43 Resp: 19746

Ion Ratio Lower Upper

43 100

58 38.3 27.8 41.8



#18

Methyl Acetate

Concen: 0.826 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020022.D

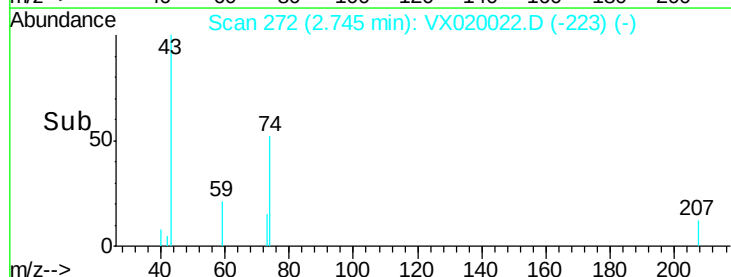
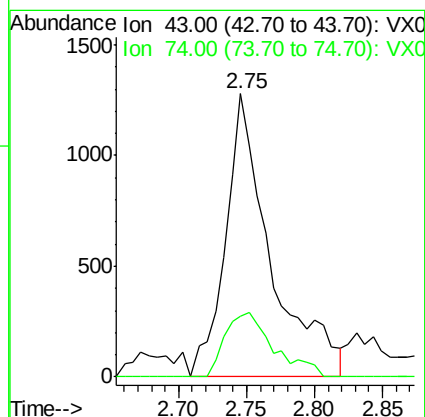
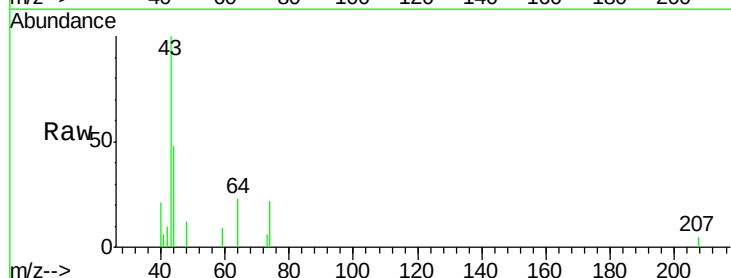
Acq: 15 Dec 2020 19:17

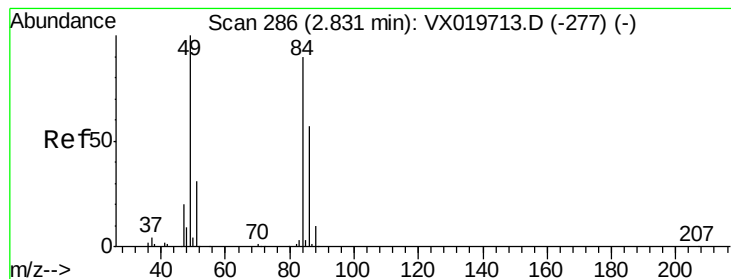
Tgt Ion: 43 Resp: 2953

Ion Ratio Lower Upper

43 100

74 24.5 21.9 32.9





#20

Methylene Chloride

Concen: 5.428 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#04

Tgt Ion: 84 Resp: 22330

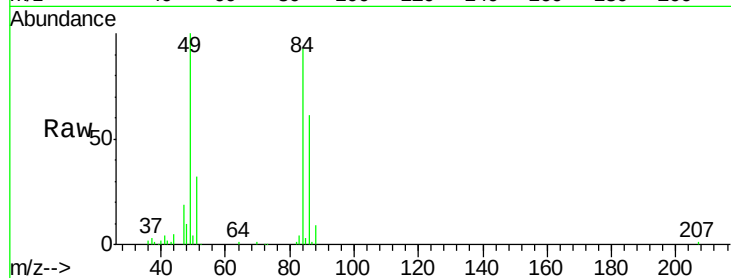
Ion Ratio Lower Upper

84 100

49 107.0 88.6 132.8

51 33.9 27.0 40.6

86 65.5 50.3 75.5

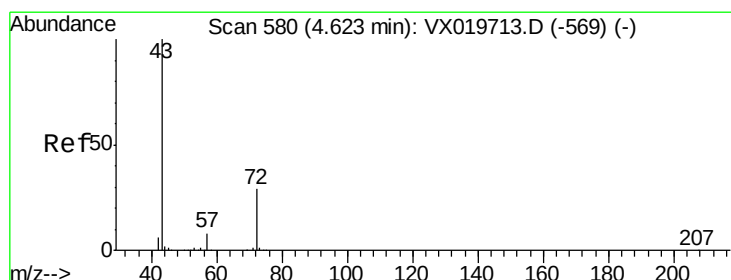
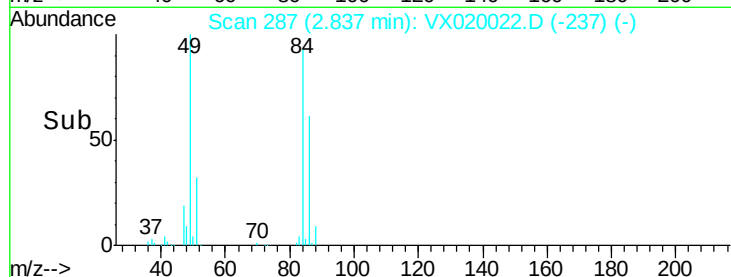
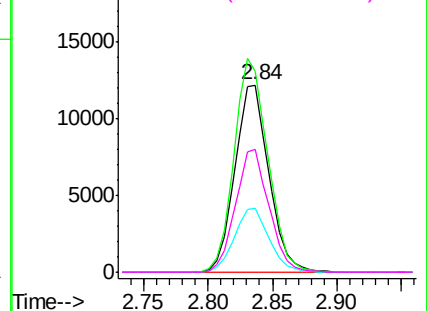


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.823 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020022.D

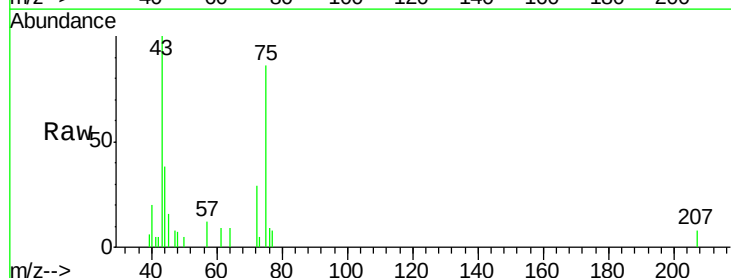
Acq: 15 Dec 2020 19:17

Tgt Ion: 43 Resp: 4092

Ion Ratio Lower Upper

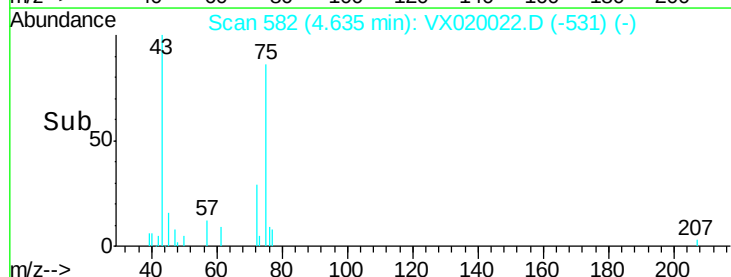
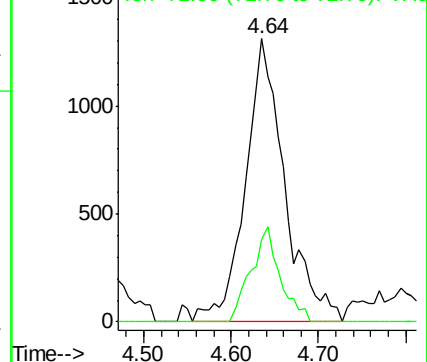
43 100

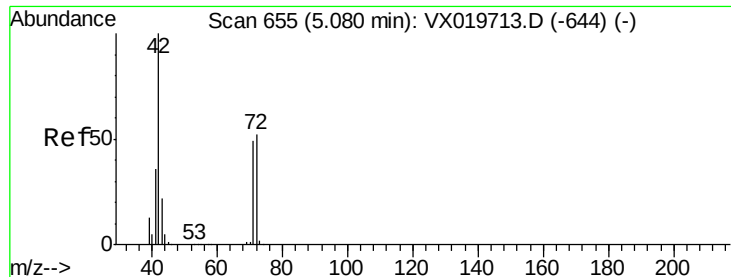
72 29.3 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

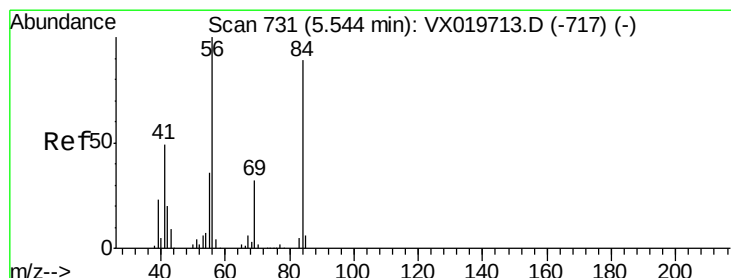
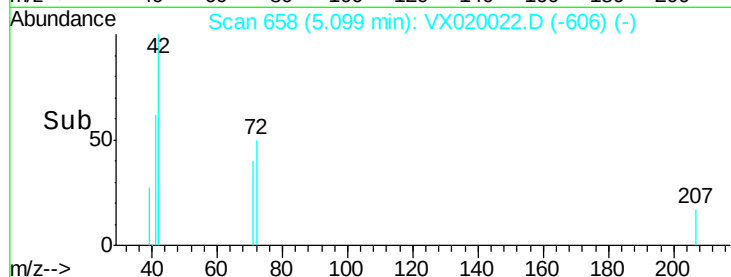
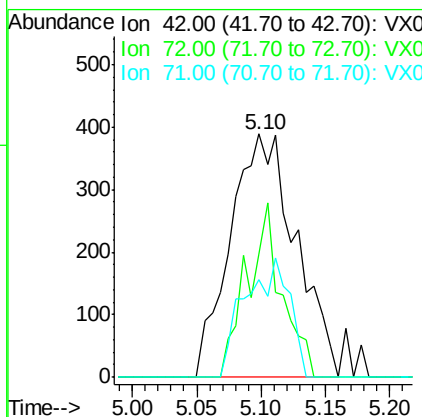
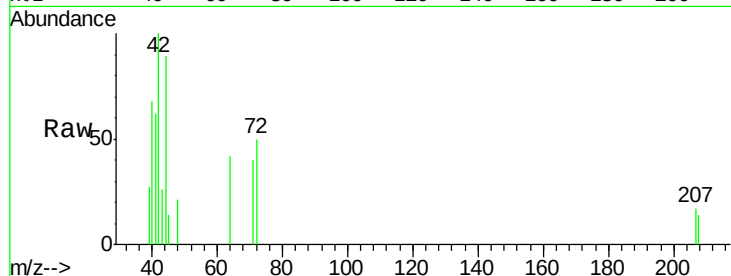




#29
Tetrahydrofuran
Concen: 0.947 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

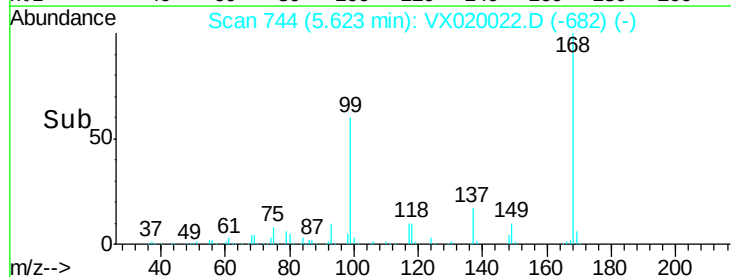
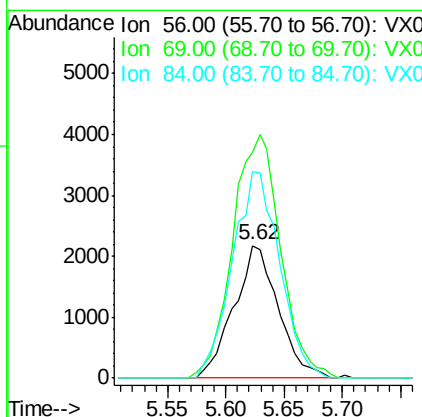
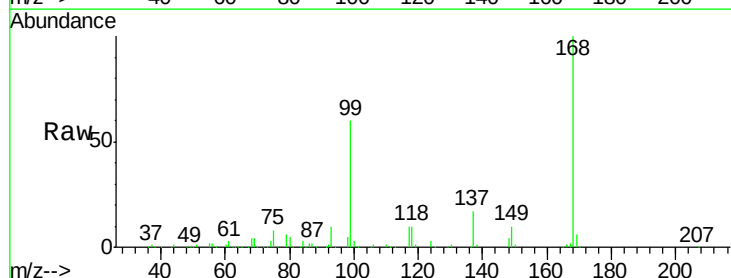
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#04

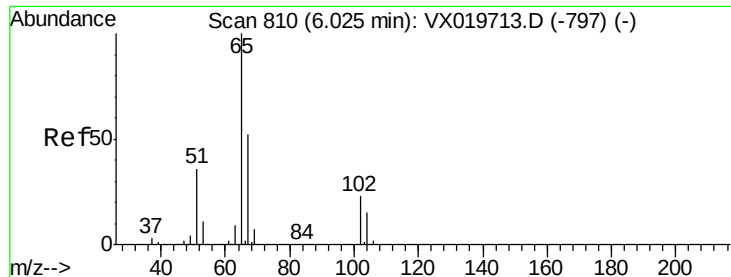
Tgt Ion: 42 Resp: 1370
Ion Ratio Lower Upper
42 100
72 38.0 41.7 62.5#
71 33.4 38.4 57.6#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Tgt Ion: 56 Resp: 5775
Ion Ratio Lower Upper
56 100
69 170.2 25.3 37.9#
84 156.2 71.4 107.0#

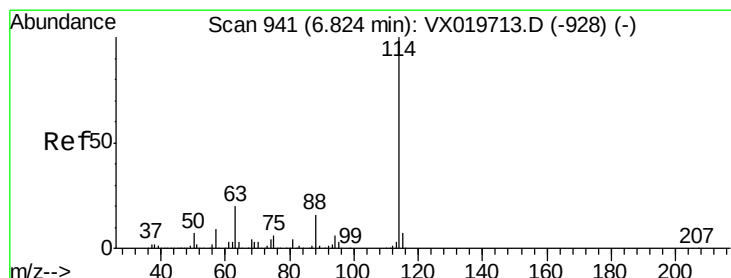
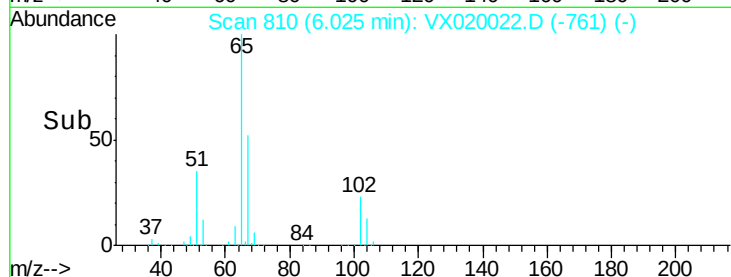
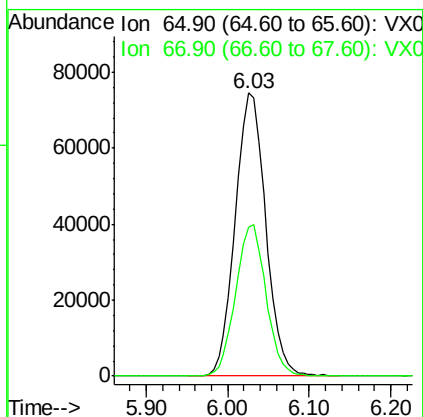
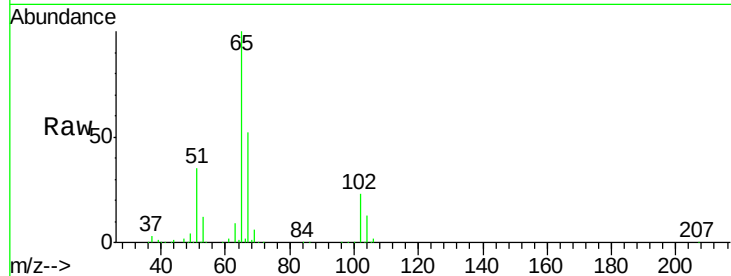




#33
 1,2-Dichloroethane-d4
 Concen: 49.800 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX020022.D
 Acq: 15 Dec 2020 19:17

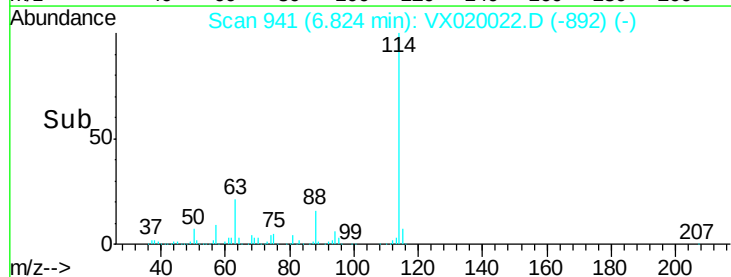
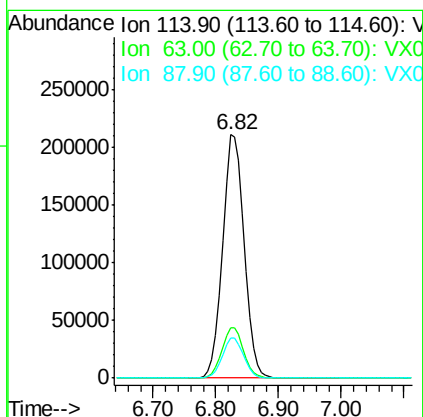
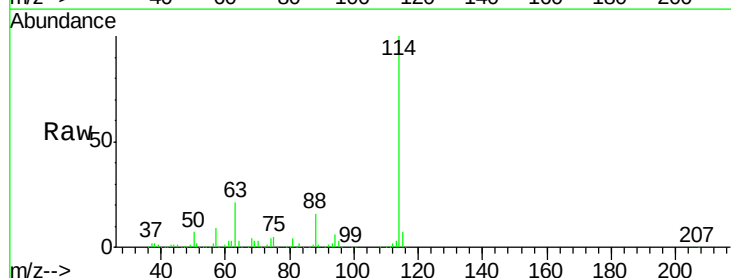
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#04

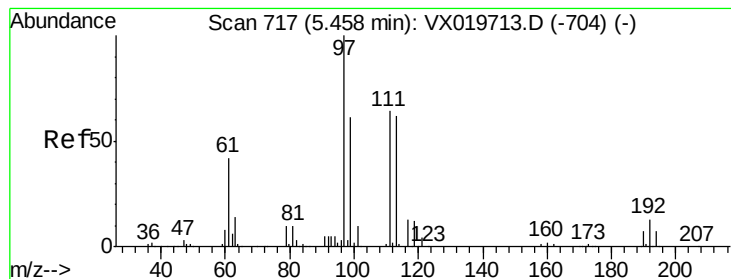
Tgt Ion: 65 Resp: 193540
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VX020022.D
 Acq: 15 Dec 2020 19:17

Tgt Ion: 114 Resp: 500344
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.626 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#04

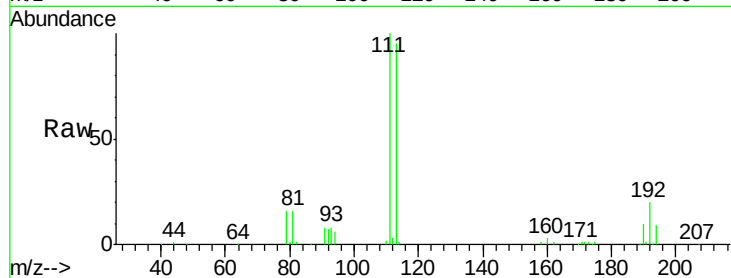
Tgt Ion:113 Resp: 157240

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

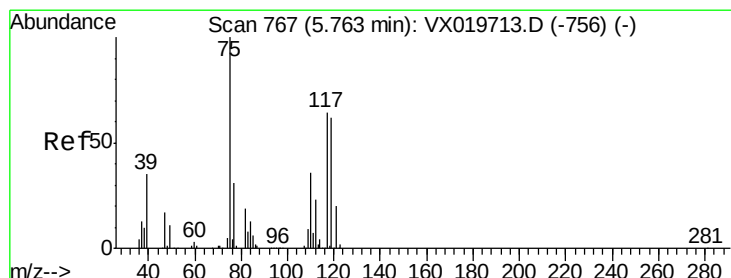
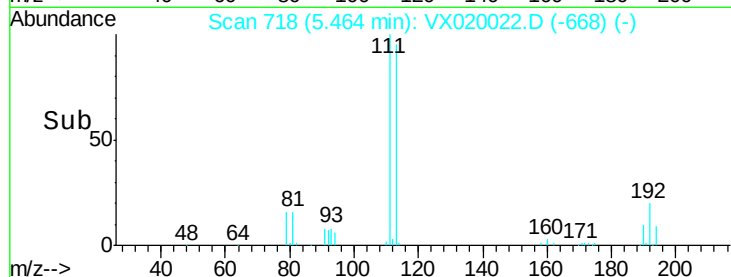
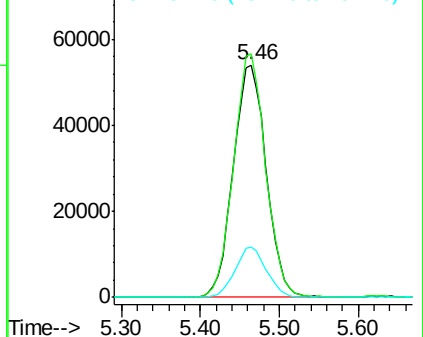
192 20.5 16.7 25.1



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: 5.042 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

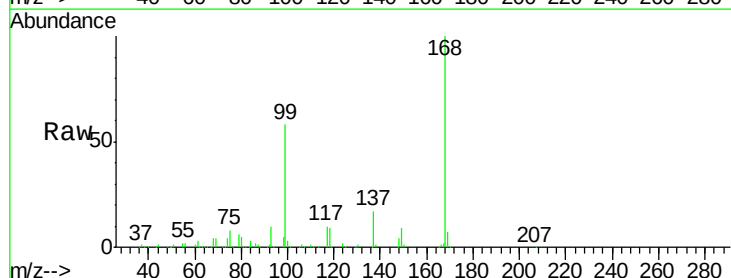
Tgt Ion: 75 Resp: 22796

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

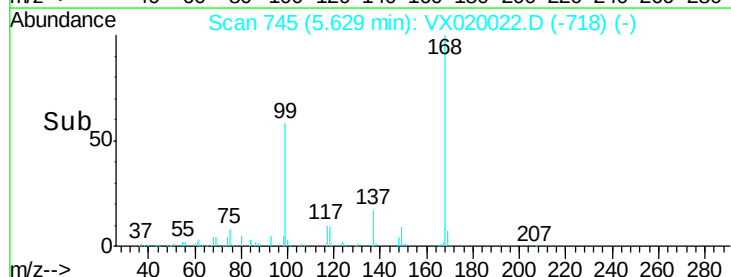
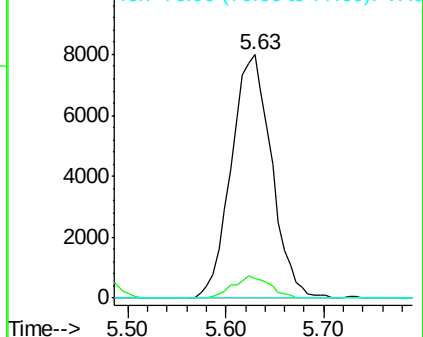
77 0.0 25.3 37.9#

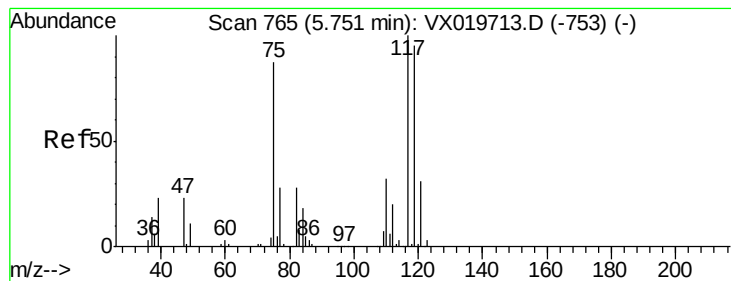


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.541 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#04

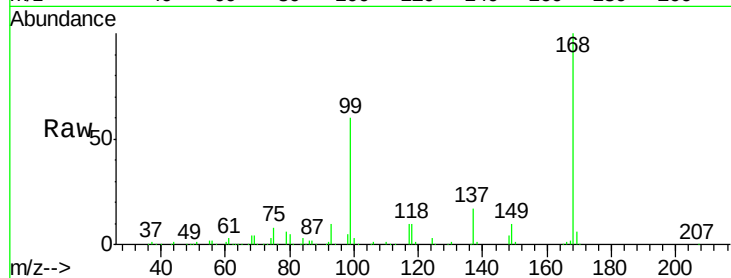
Tgt Ion:117 Resp: 28962

Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

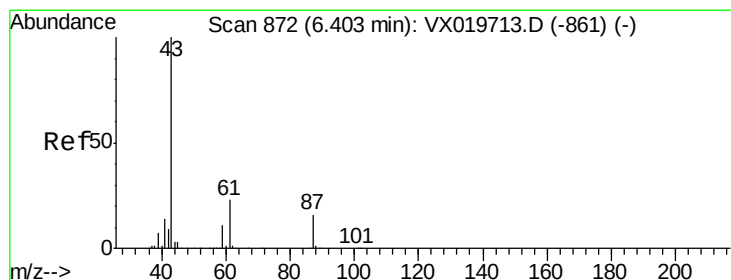
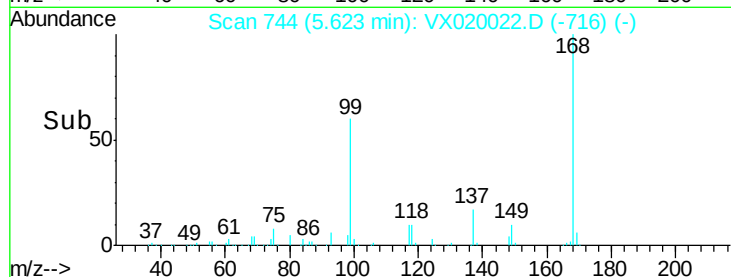
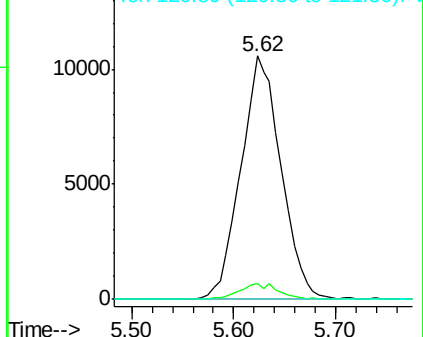
121 0.0 24.8 37.2#



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: 3.546 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

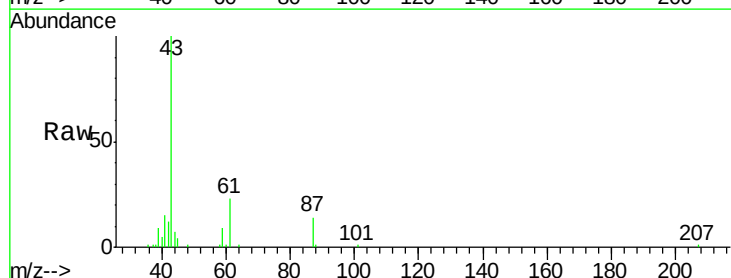
Tgt Ion: 43 Resp: 26316

Ion Ratio Lower Upper

43 100

61 22.2 18.2 27.4

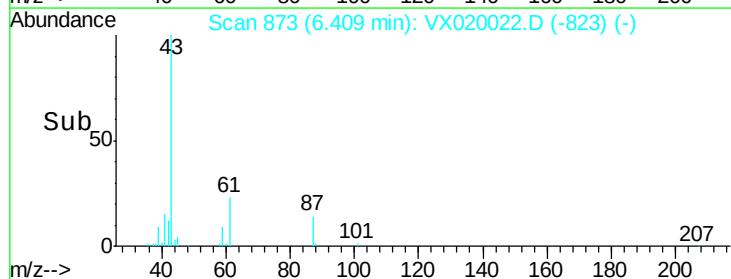
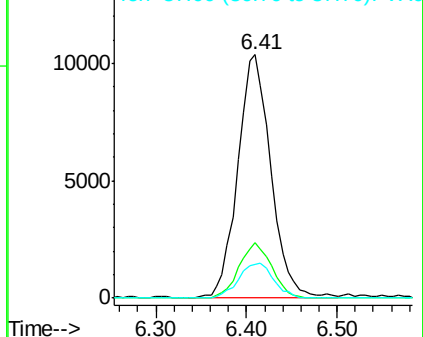
87 14.9 12.5 18.7

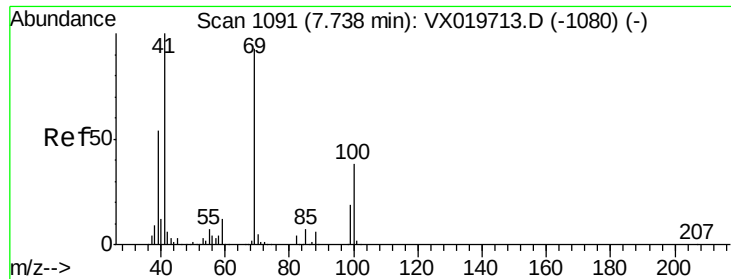


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.933 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#04

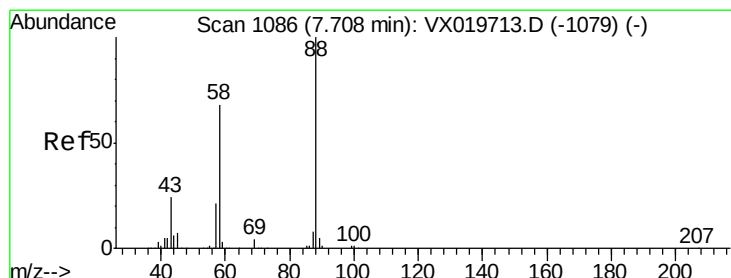
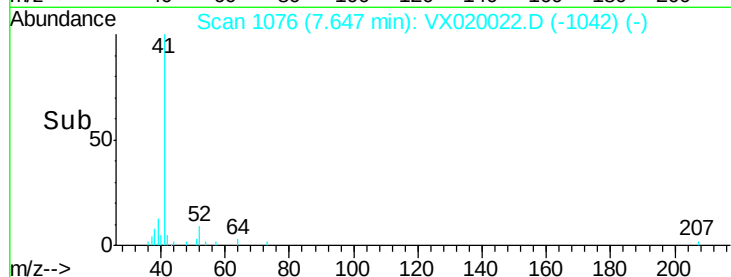
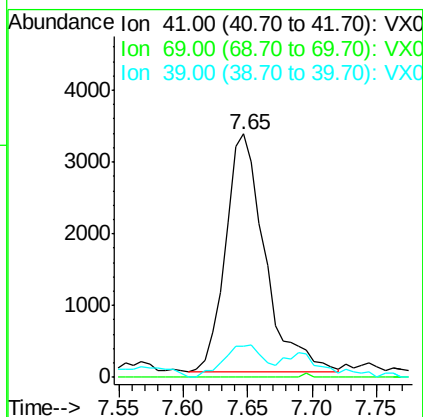
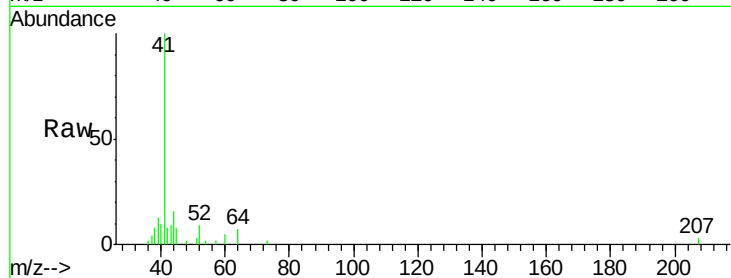
Tgt Ion: 41 Resp: 7057

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: 3.031 ug/l

RT: 7.84 min Scan# 1108

Delta R.T. 0.13 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

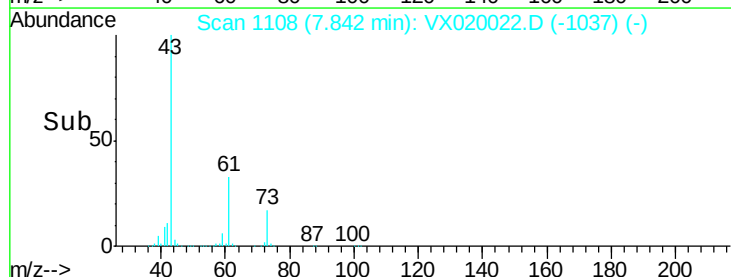
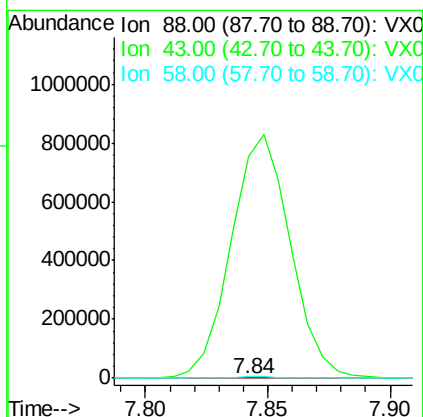
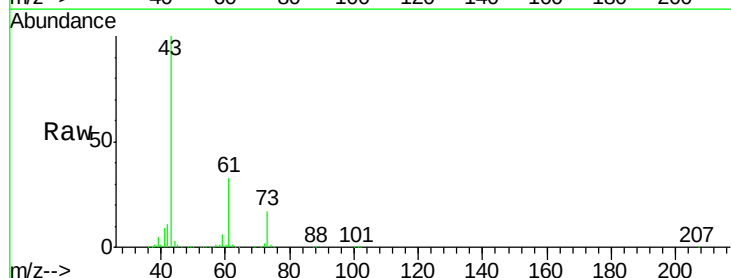
Tgt Ion: 88 Resp: 268

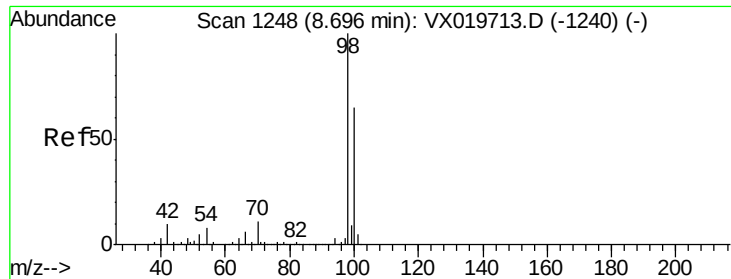
Ion Ratio Lower Upper

88 100

43 523123.1 23.2 34.8#

58 2809.7 55.0 82.4#

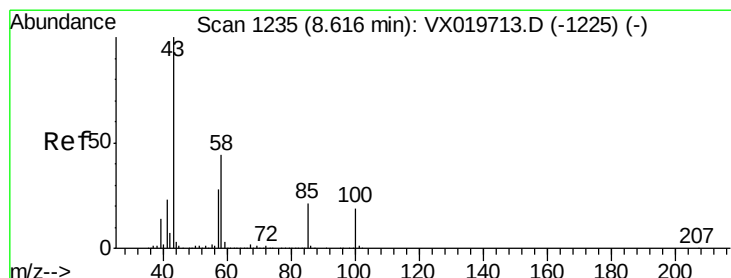
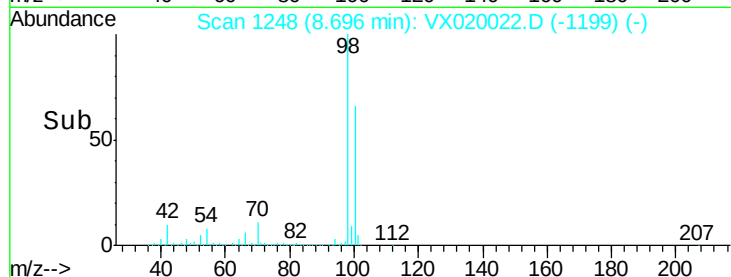
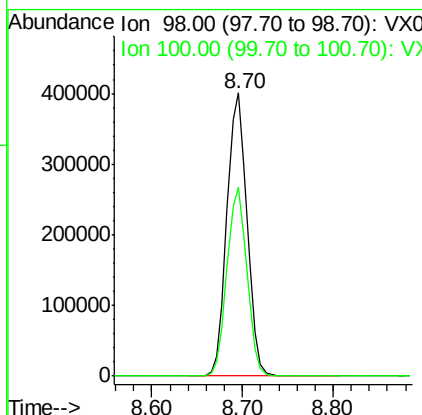
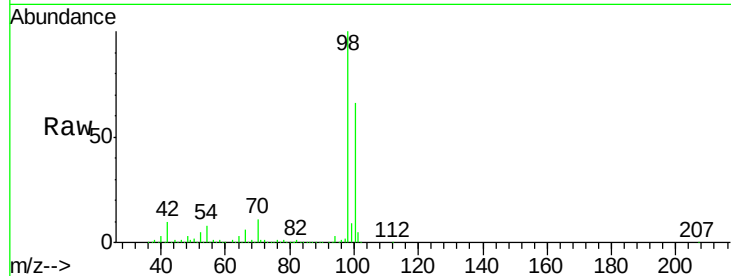




#50
Toluene-d8
Concen: 50.035 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

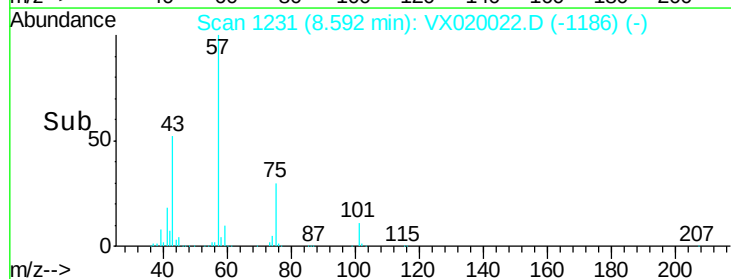
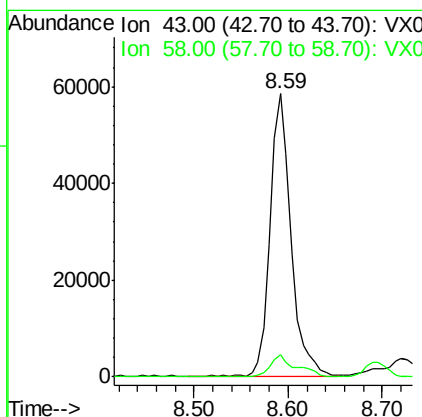
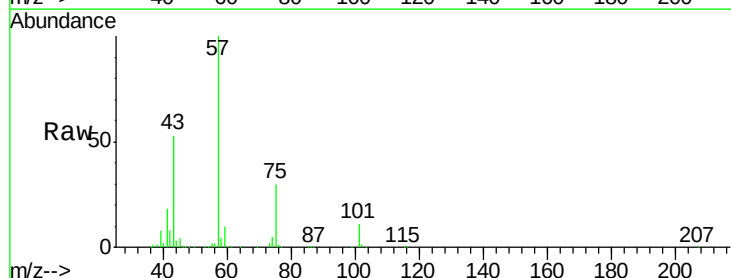
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#04

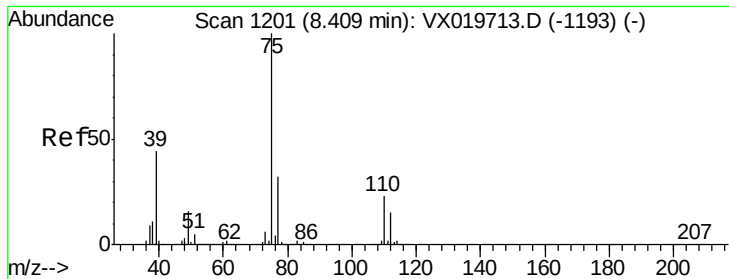
Tgt Ion: 98 Resp: 617697
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.038 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Tgt Ion: 43 Resp: 90797
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#

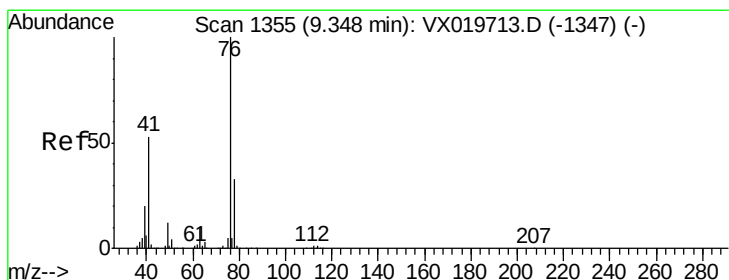
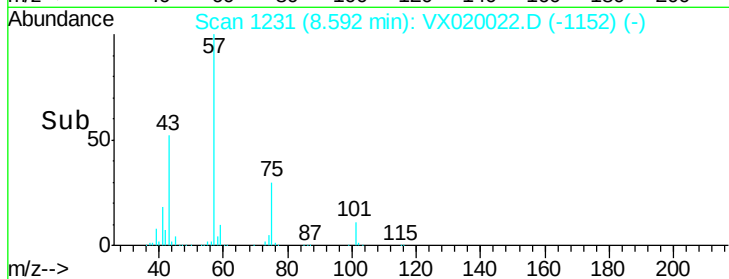
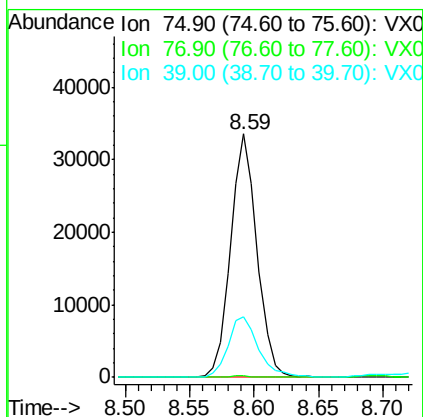
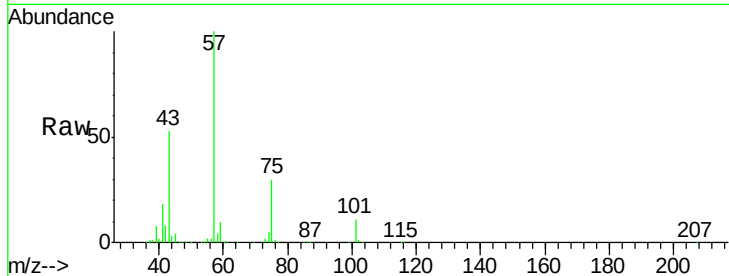




#54
 cis-1,3-Dichloropropene
 Concen: 8.599 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020022.D
 Acq: 15 Dec 2020 19:17

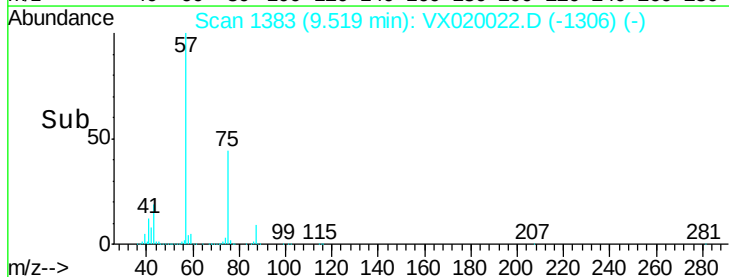
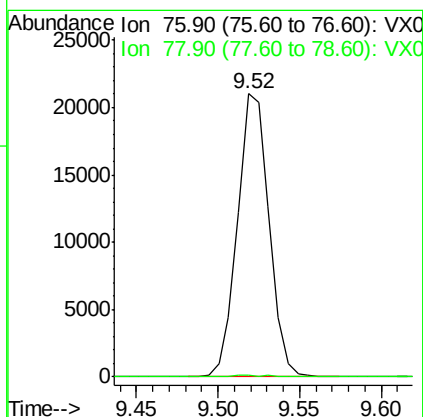
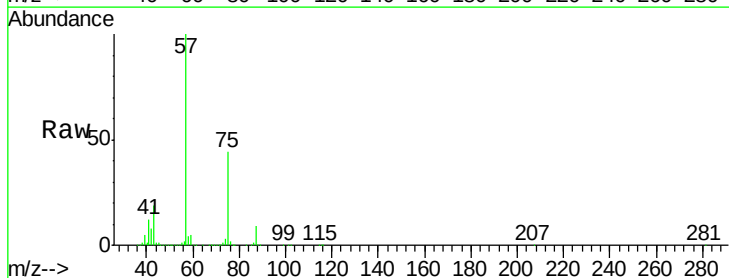
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#04

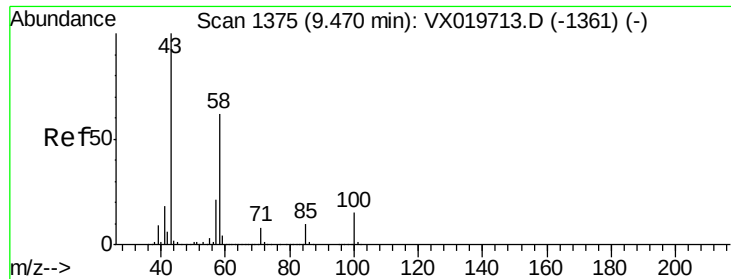
Tgt Ion: 75 Resp: 47950
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 25.1 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.780 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020022.D
 Acq: 15 Dec 2020 19:17

Tgt Ion: 76 Resp: 28411
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

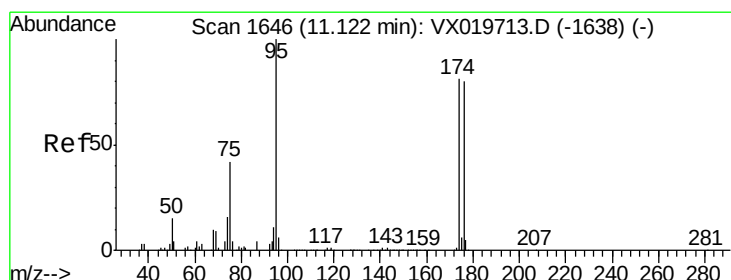
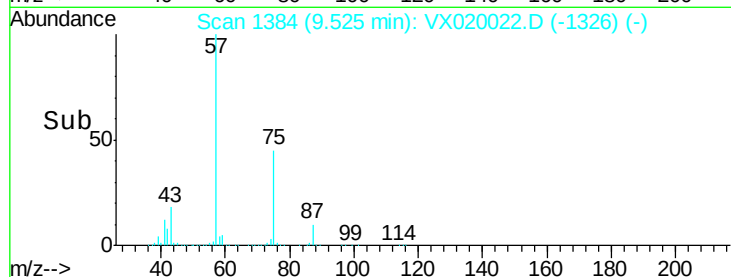
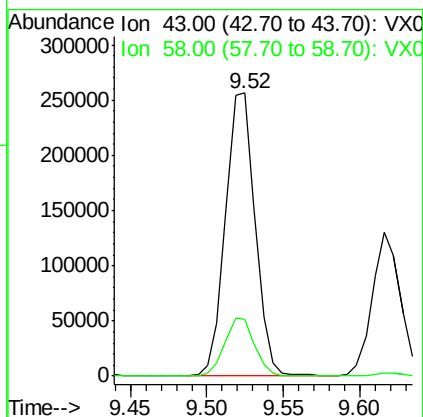
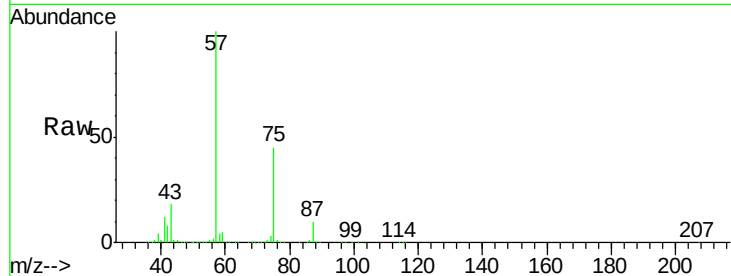




#59
2-Hexanone
Concen: 97.844 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

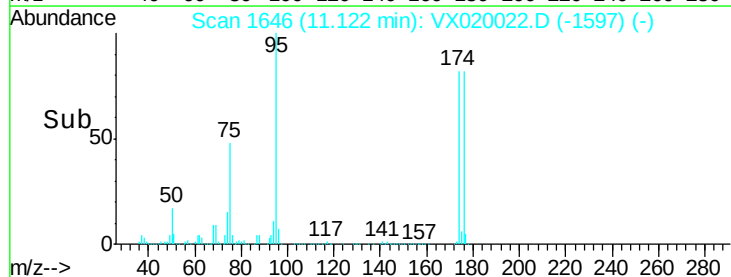
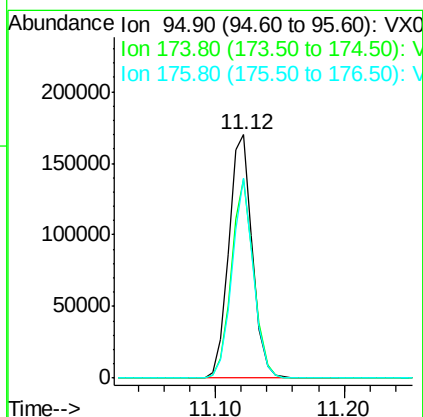
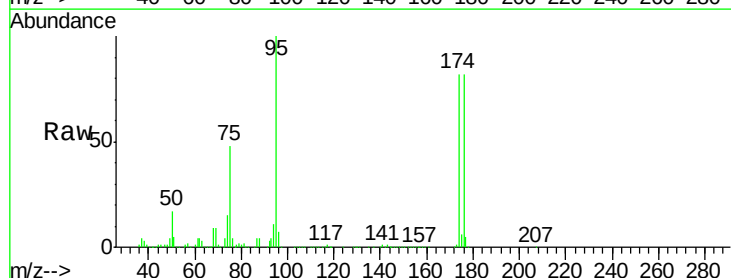
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#04

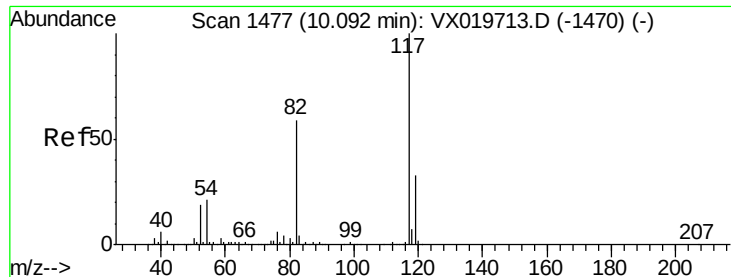
Tgt Ion: 43 Resp: 343657
Ion Ratio Lower Upper
43 100
58 20.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.191 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Tgt Ion: 95 Resp: 217040
Ion Ratio Lower Upper
95 100
174 77.6 0.0 154.6
176 74.9 0.0 155.8

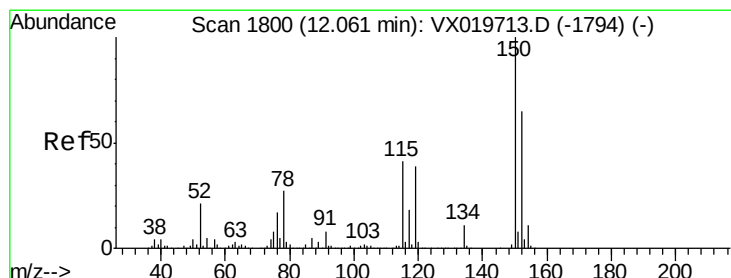
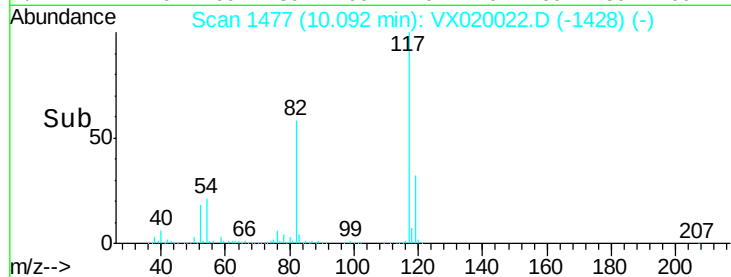
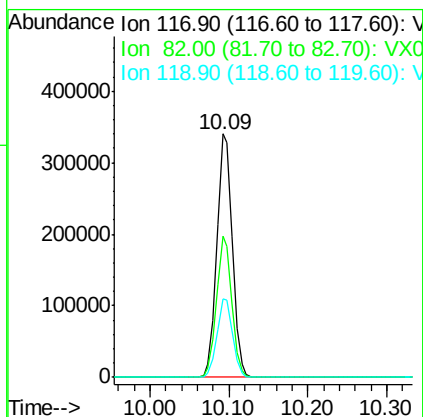
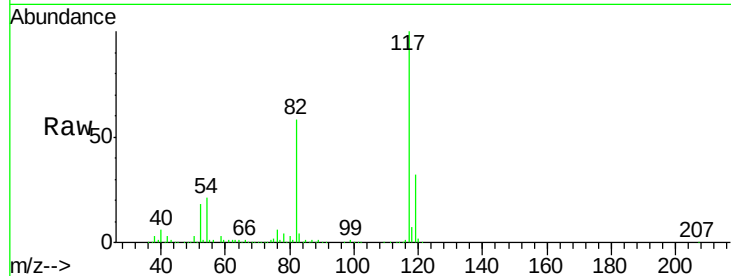




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

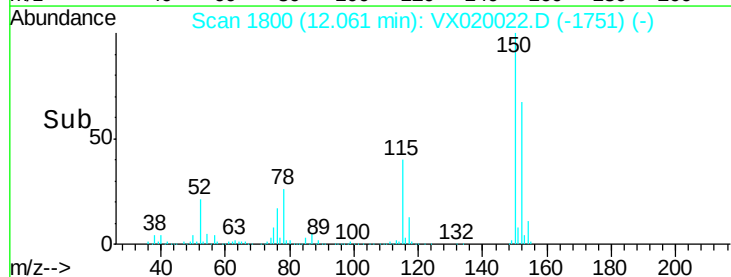
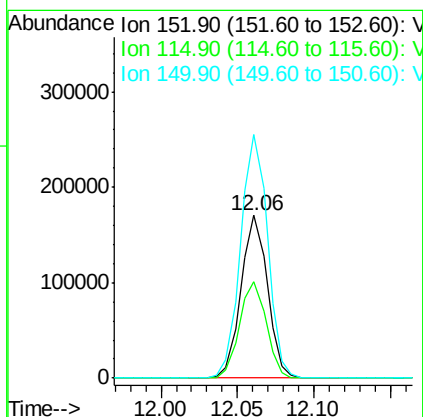
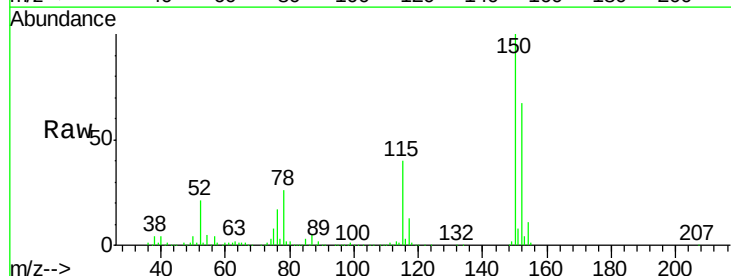
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#04

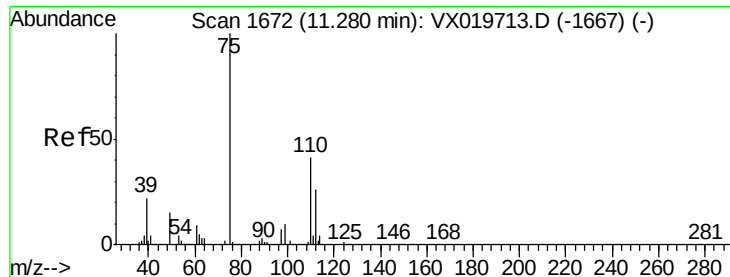
Tgt Ion:117 Resp: 467209
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020022.D
Acq: 15 Dec 2020 19:17

Tgt Ion:152 Resp: 204532
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 153.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.955 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

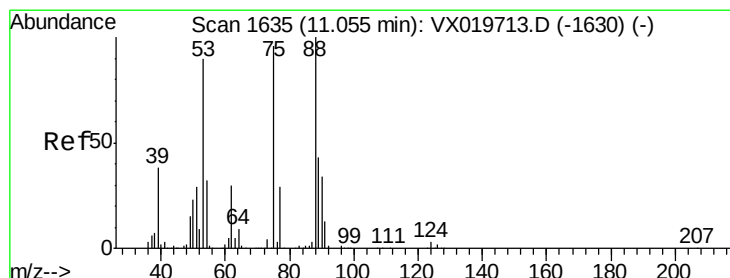
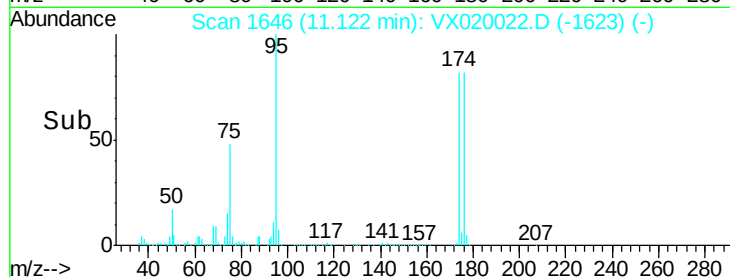
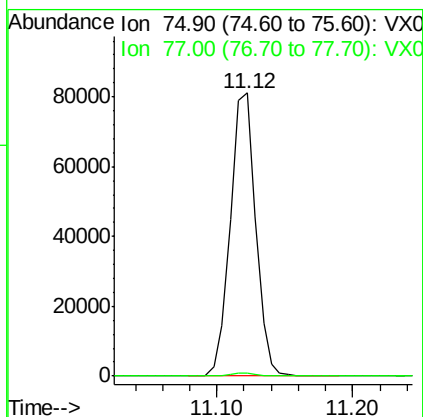
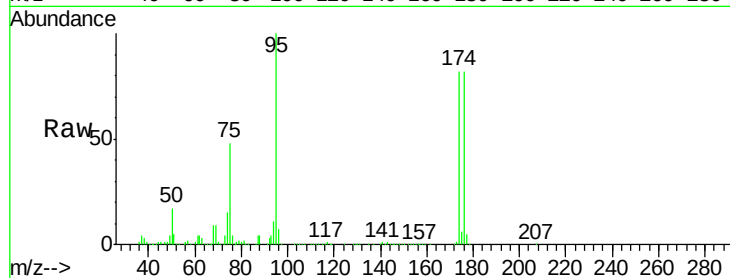
PB133610ZHE#04

Tgt Ion: 75 Resp: 105301

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.358 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020022.D

Acq: 15 Dec 2020 19:17

Tgt Ion: 75 Resp: 105301

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

