

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018200.D
 Acq On : 01 Sep 2020 18:20
 Operator : JC/SP
 Sample : PB131314ZHE#16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#16

Quant Time: Sep 02 02:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	421789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	703161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	711590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	338119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	311459	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	5.47	113	244956	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.70	98	895062	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.12	95	334611	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

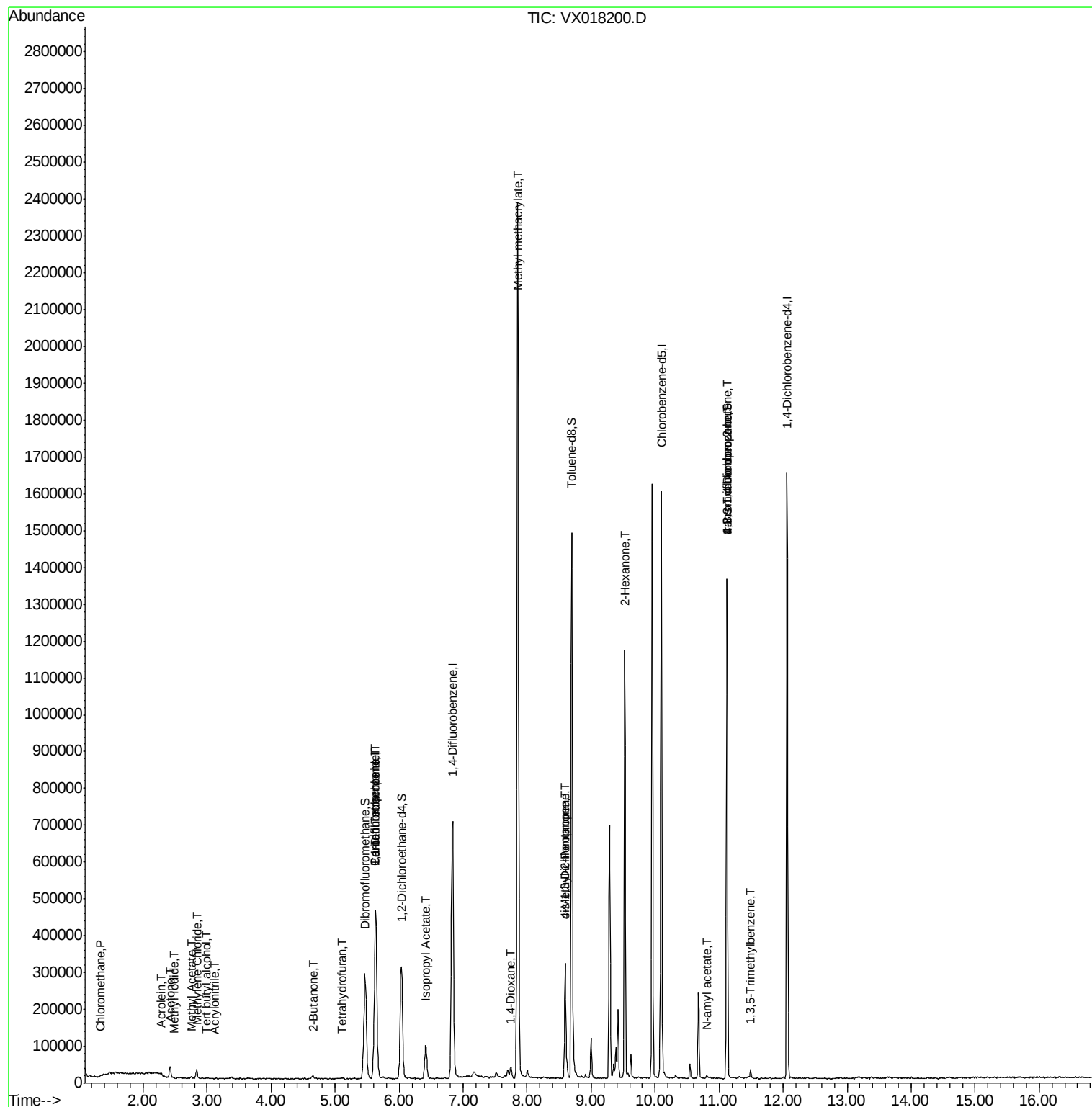
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1261	0.233	ug/l #	43
10) Methyl Iodide	2.50	142	215	5.332	ug/l #	91
11) Tert butyl alcohol	2.99	59	1030	0.905	ug/l #	71
13) Acrolein	2.28	56	346	0.733	ug/l #	23
15) Acrylonitrile	3.12	53	892	0.345	ug/l #	17
16) Acetone	2.42	43	34052	14.924	ug/l	93
18) Methyl Acetate	2.75	43	7566	1.374	ug/l	92
20) Methylene Chloride	2.84	84	10910	1.199	ug/l	98
25) 2-Butanone	4.65	43	8771	2.339	ug/l #	88
29) Tetrahydrofuran	5.09	42	1083	0.454	ug/l #	50
36) 1,1-Dichloropropene	5.63	75	33759	5.205	ug/l #	51
38) Carbon Tetrachloride	5.63	117	45847	6.273	ug/l #	18
43) Isopropyl Acetate	6.42	43	122308	10.053	ug/l	99
48) Methyl methacrylate	7.85	41	209586	34.604	ug/l #	45
49) 1,4-Dioxane	7.73	88	585	5.332	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	120312	16.009	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	48933	5.779	ug/l #	67
59) 2-Hexanone	9.52	43	131948	23.090	ug/l #	52
74) N-amyl acetate	10.80	43	5527	0.522	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	175024	23.270	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	10972	0.599	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	175024	62.847	ug/l #	12

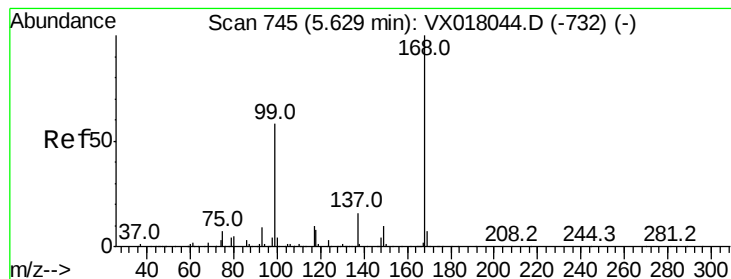
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090120\
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Quant Time: Sep 02 02:52:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

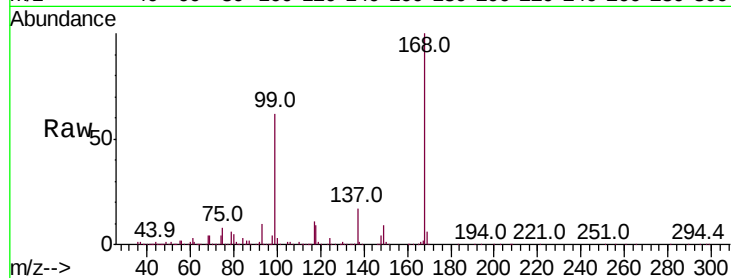
PB131314ZHE#16

Tot Ion:168 Resp: 421789

Ion Ratio Lower Upper

168 100

99 61.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

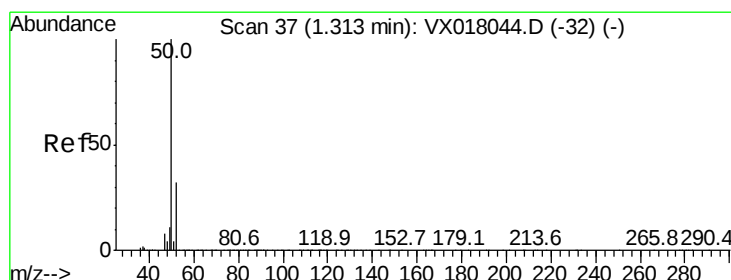
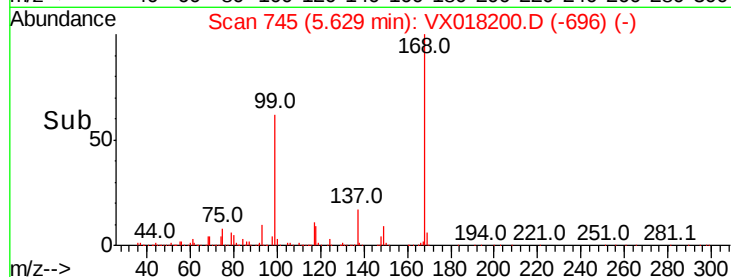
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 39

Delta R.T. 0.01 min

Lab File: VX018200.D

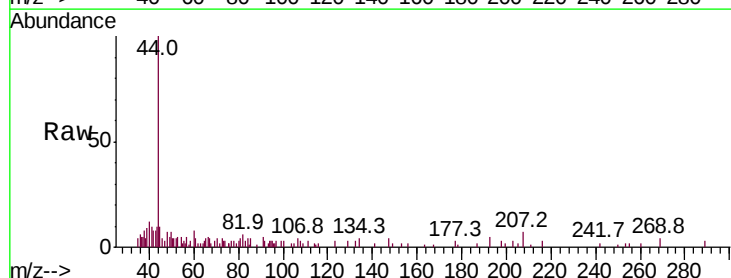
Acq: 01 Sep 2020 18:20

Tgt Ion: 50 Resp: 1261

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

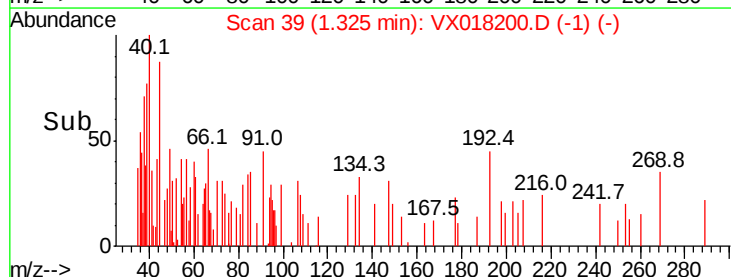
300

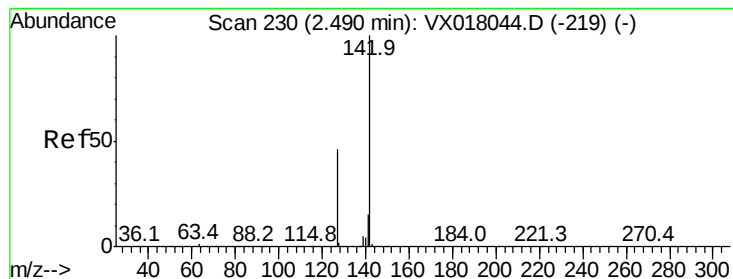
200

100

0

Time-->





#10

Methyl Iodide

Concen: 5.332 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#16

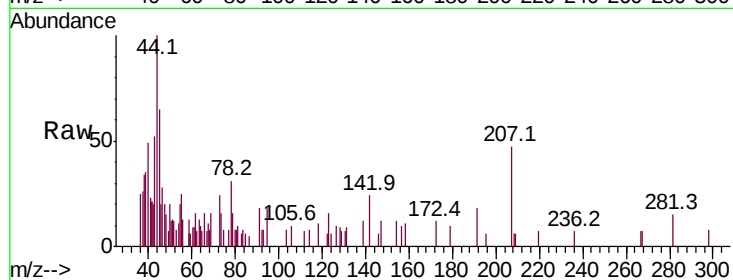
Tot Ion:142 Resp: 215

Ion Ratio Lower Upper

142 100

127 46.0 37.0 55.6

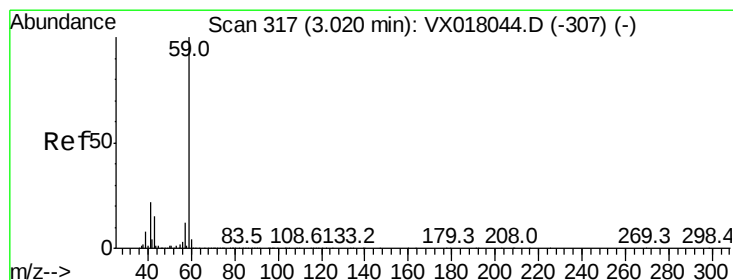
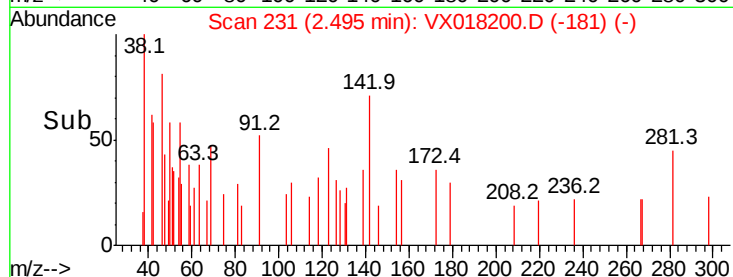
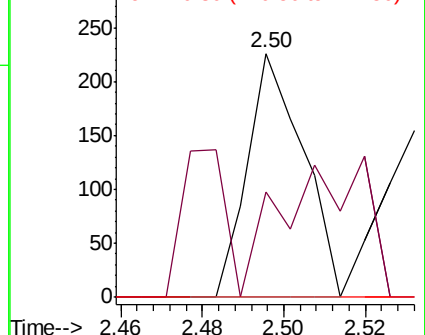
141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.905 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX018200.D

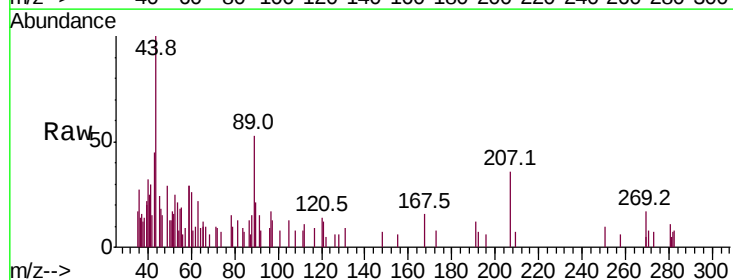
Acq: 01 Sep 2020 18:20

Tgt Ion: 59 Resp: 1030

Ion Ratio Lower Upper

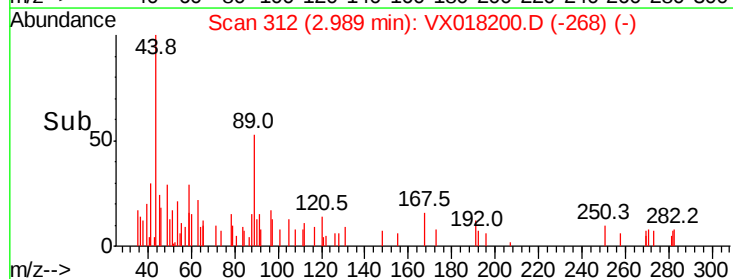
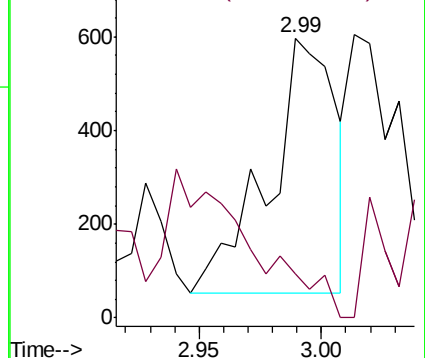
59 100

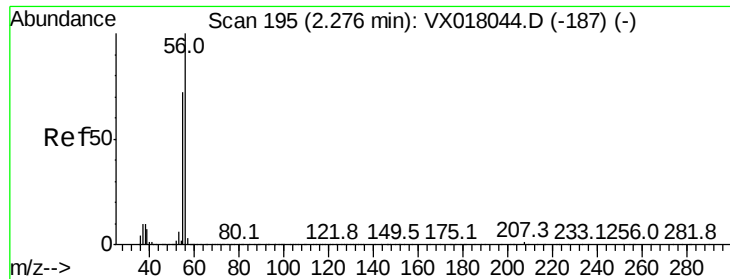
57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.733 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

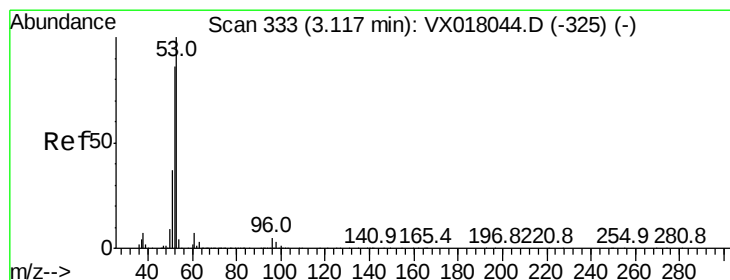
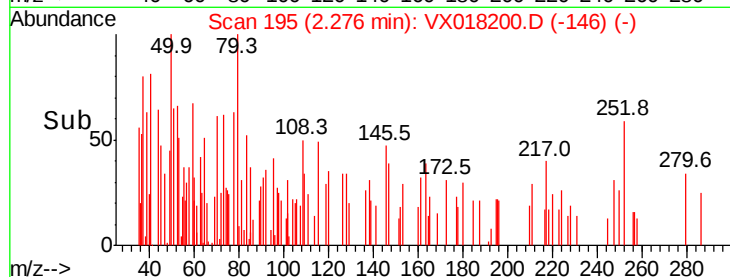
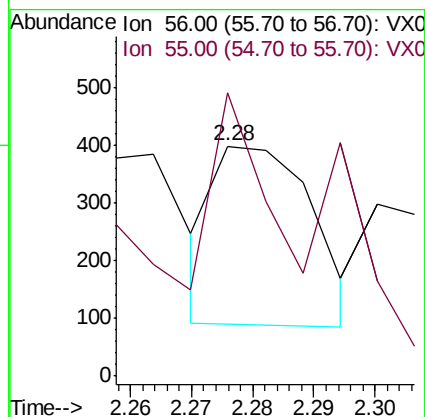
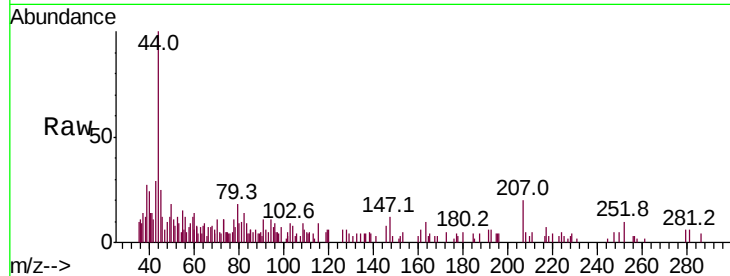
PB131314ZHE#16

Tot Ion: 56 Resp: 346

Ion Ratio Lower Upper

56 100

55 135.0 57.0 85.6#



#15

Acrylonitrile

Concen: 0.345 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

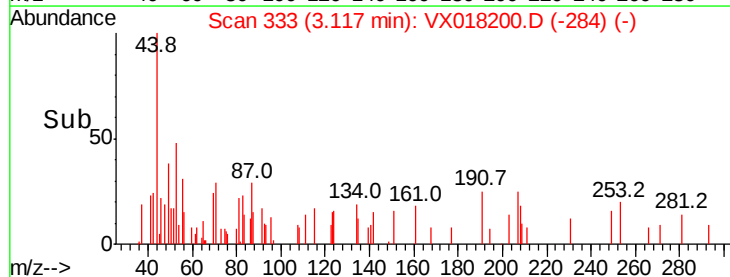
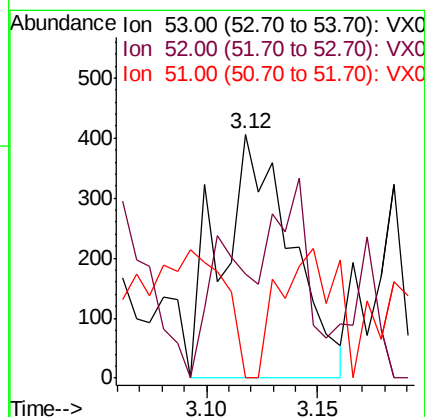
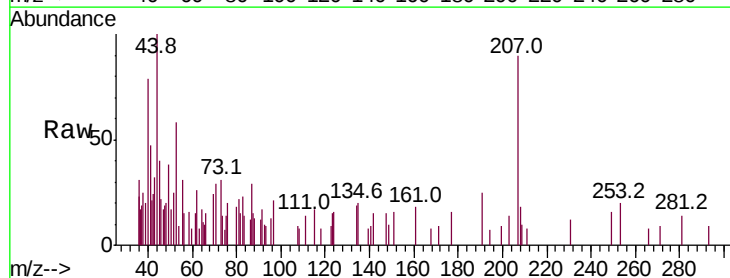
Tgt Ion: 53 Resp: 892

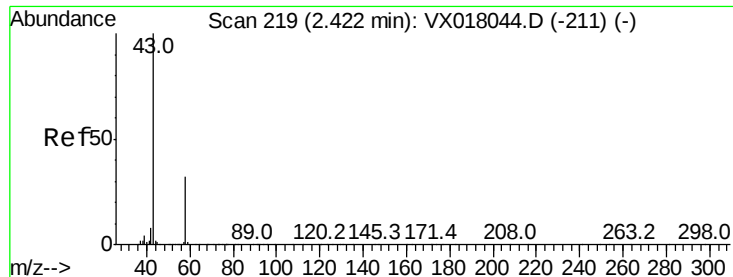
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 28.7 43.1#





#16

Acetone

Concen: 14.924 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

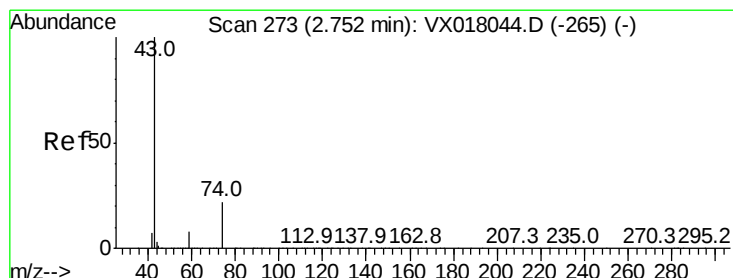
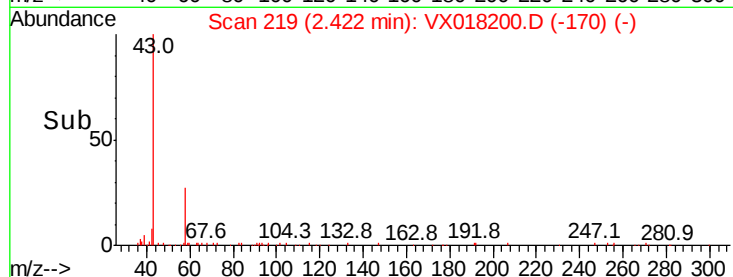
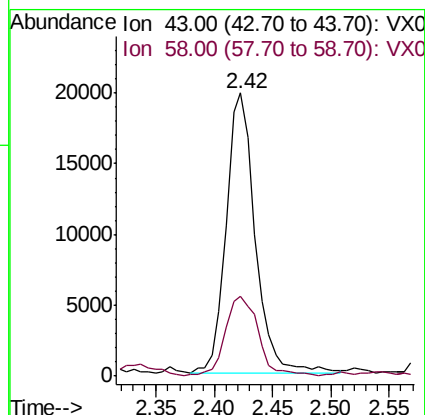
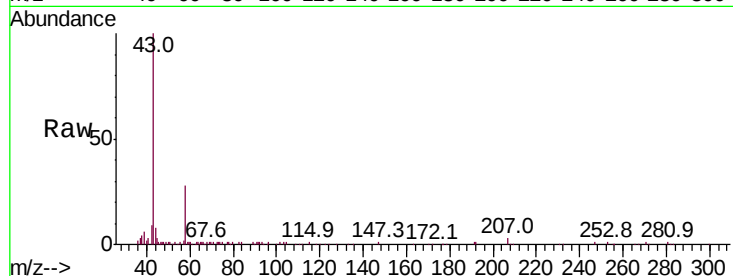
PB131314ZHE#16

Tot Ion: 43 Resp: 34052

Ion Ratio Lower Upper

43 100

58 27.9 25.5 38.3



#18

Methyl Acetate

Concen: 1.374 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018200.D

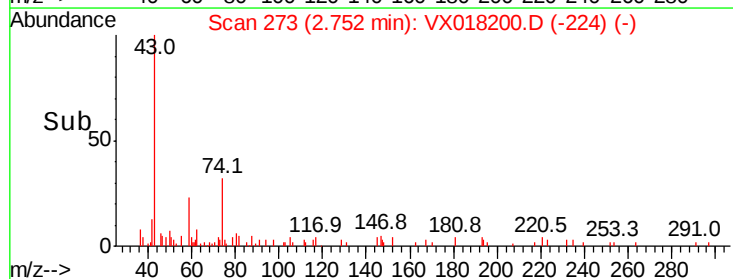
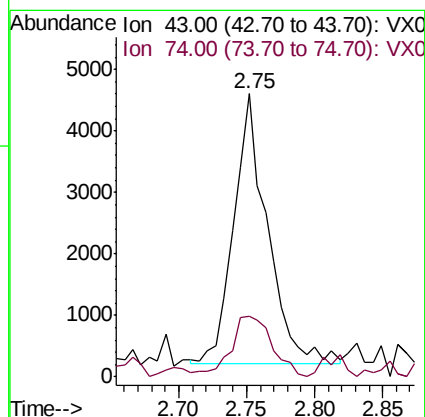
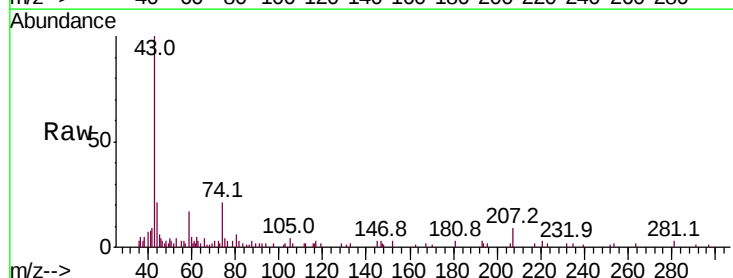
Acq: 01 Sep 2020 18:20

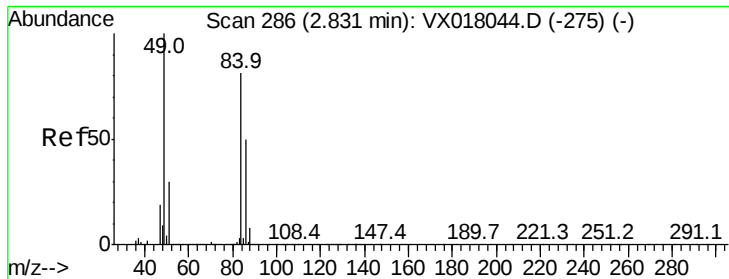
Tgt Ion: 43 Resp: 7566

Ion Ratio Lower Upper

43 100

74 26.7 18.2 27.4

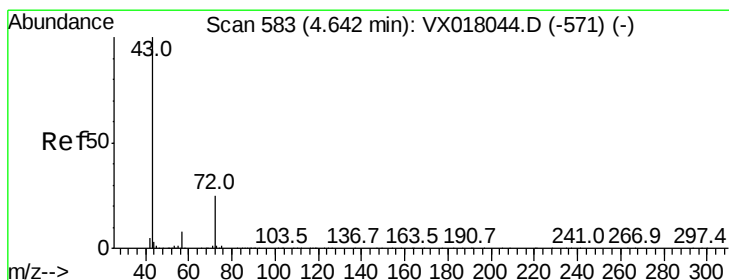
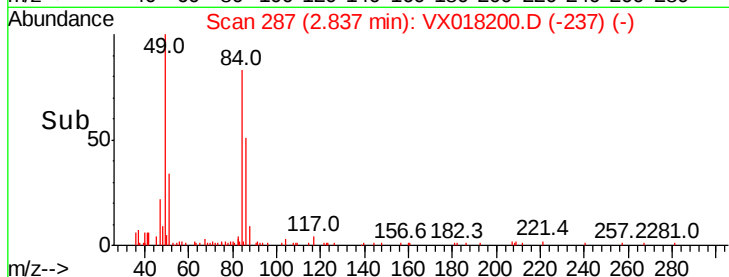
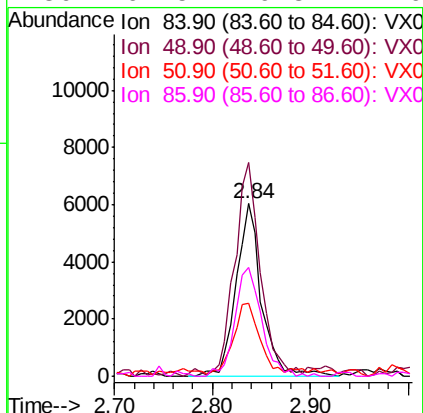
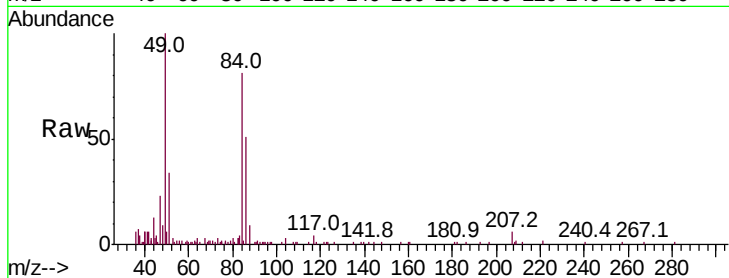




#20
Methvlene Chloride
Concen: 1.199 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

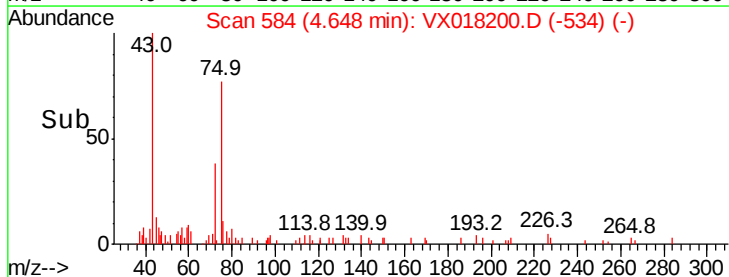
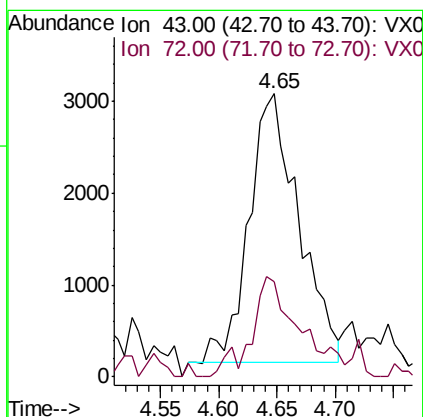
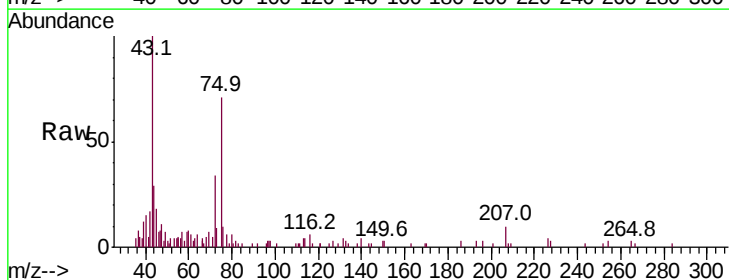
Instrument :
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PB131314ZHE#16

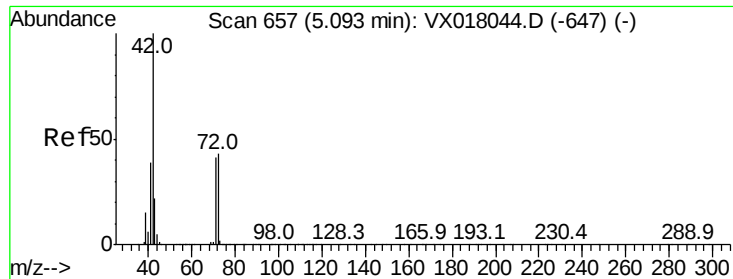
Tot Ion: 84 Resp: 10910
Ion Ratio Lower Upper
84 100
49 122.5 98.6 148.0
51 41.4 29.6 44.4
86 61.5 49.8 74.6



#25
2-Butanone
Concen: 2.339 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

Tgt Ion: 43 Resp: 8771
Ion Ratio Lower Upper
43 100
72 30.7 19.8 29.6#

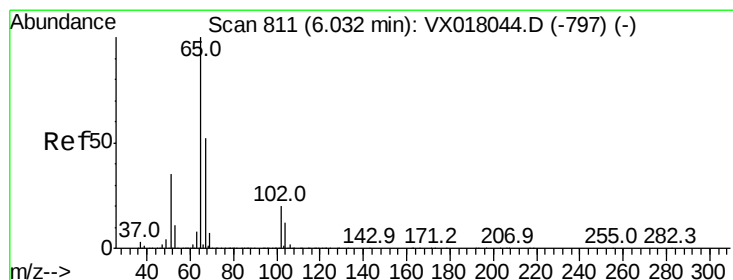
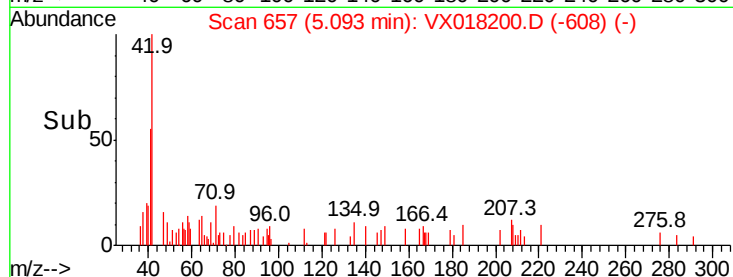
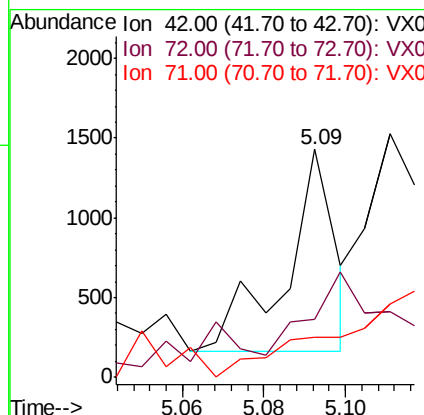
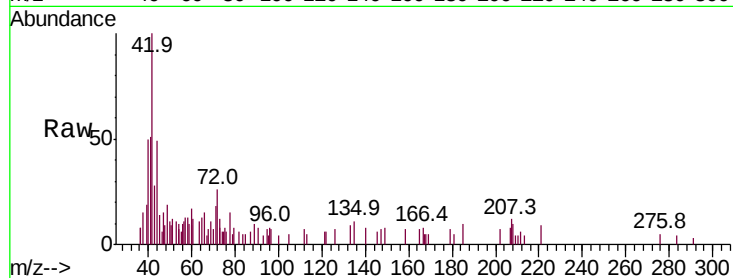




#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

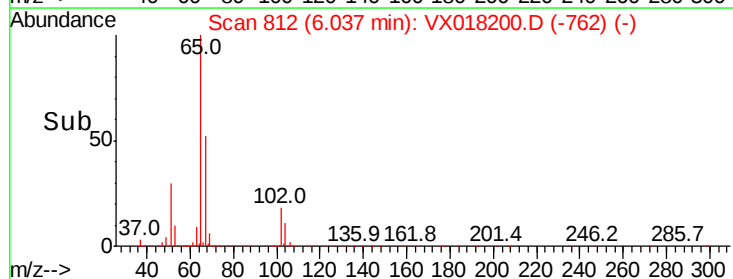
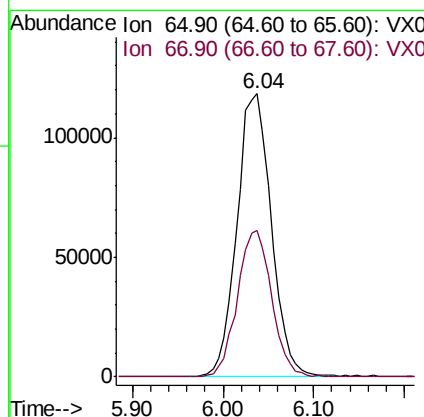
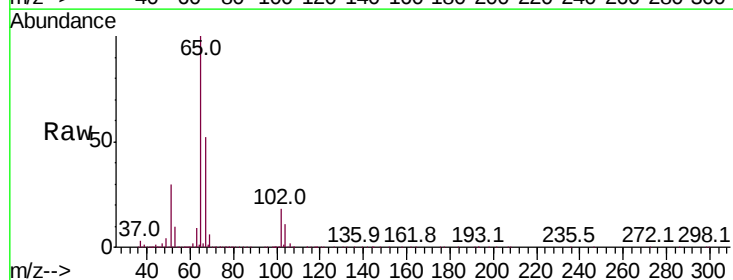
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#16

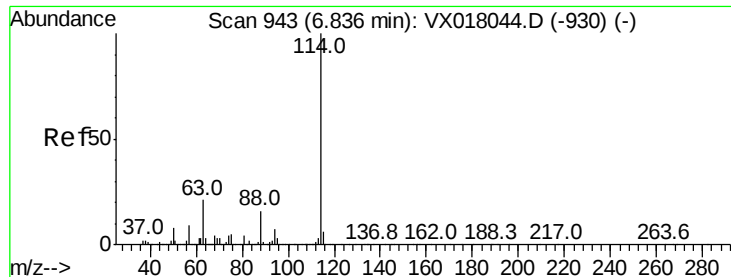
Tot Ion: 42 Resp: 1083
Ion Ratio Lower Upper
42 100
72 65.6 34.2 51.4#
71 0.0 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 53.191 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

Tgt Ion: 65 Resp: 311459
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#16

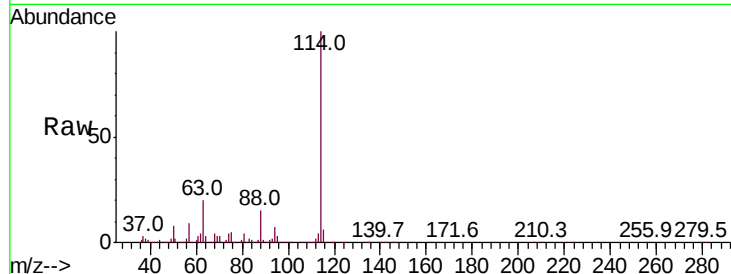
Tot Ion:114 Resp: 703161

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

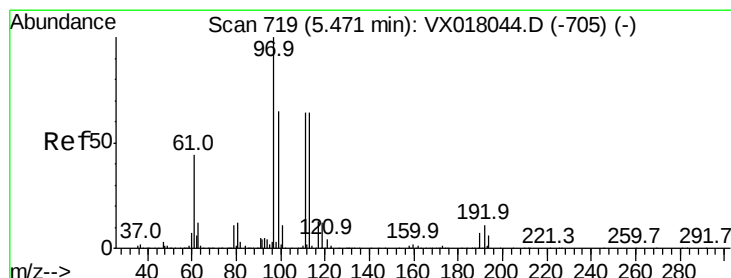
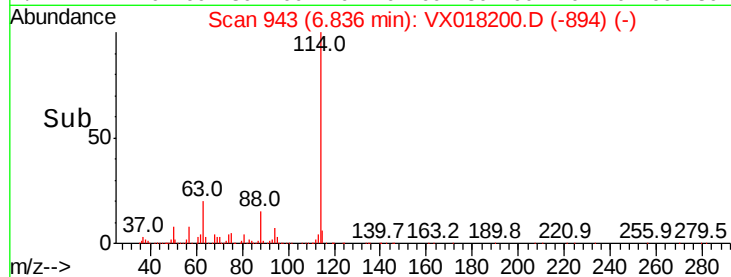
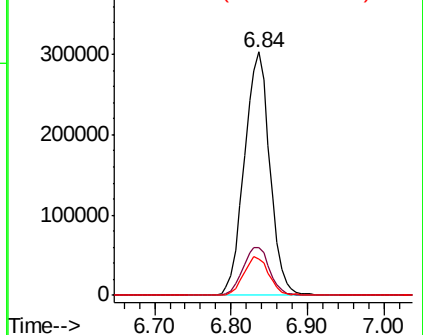
88 14.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.151 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

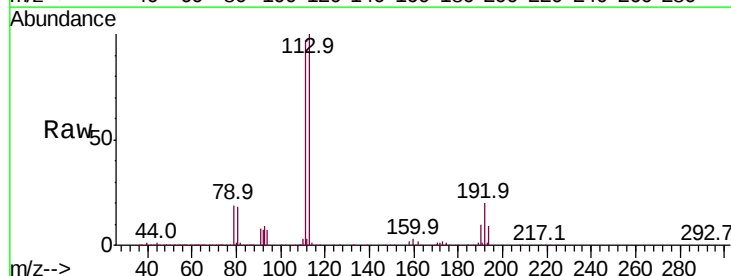
Tgt Ion:113 Resp: 244956

Ion Ratio Lower Upper

113 100

111 104.5 81.6 122.4

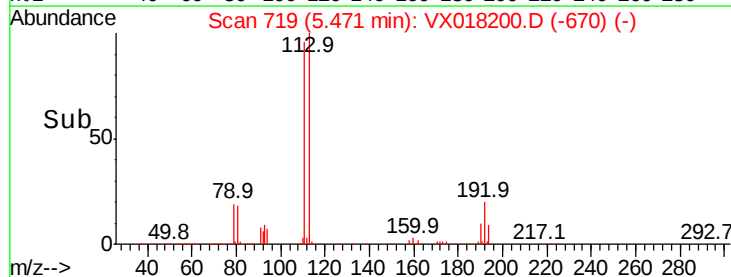
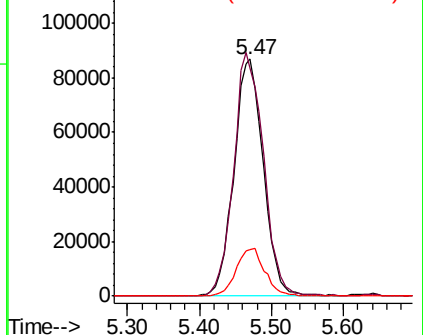
192 19.7 15.8 23.8

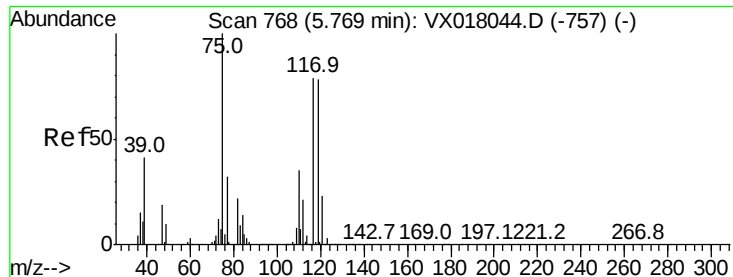


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.205 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#16

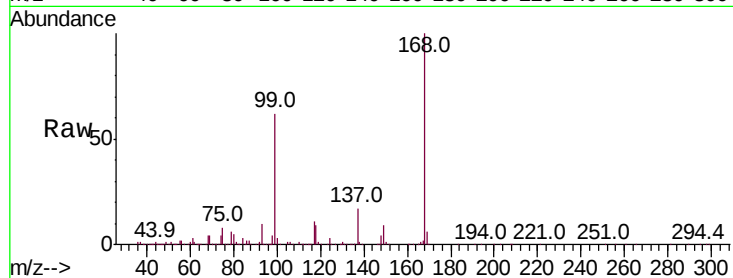
Tot Ion: 75 Resp: 33759

Ion Ratio Lower Upper

75 100

110 10.7 18.0 54.0#

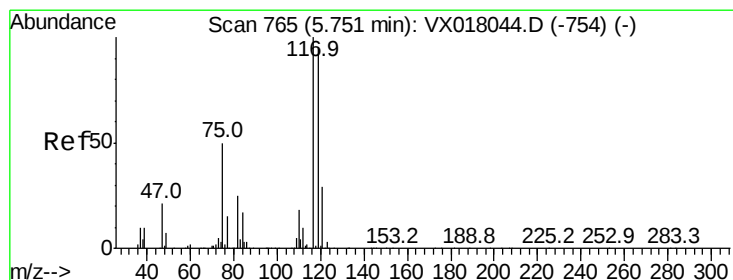
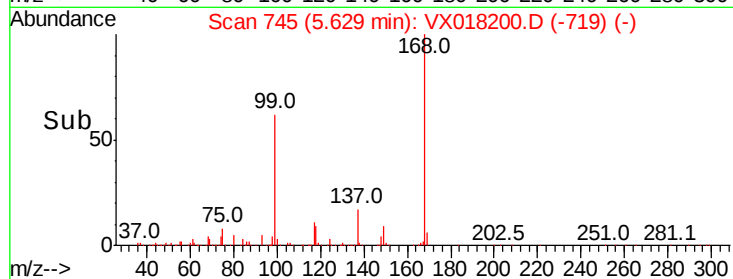
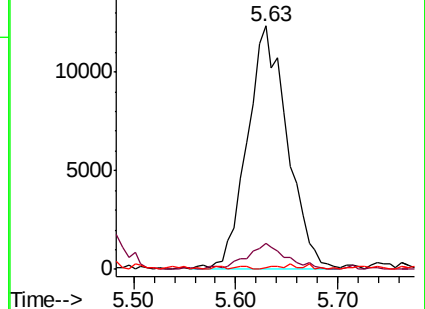
77 0.4 24.4 36.6#



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: 6.273 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

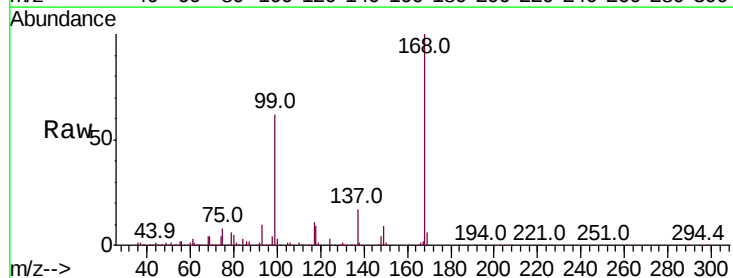
Tgt Ion: 117 Resp: 45847

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

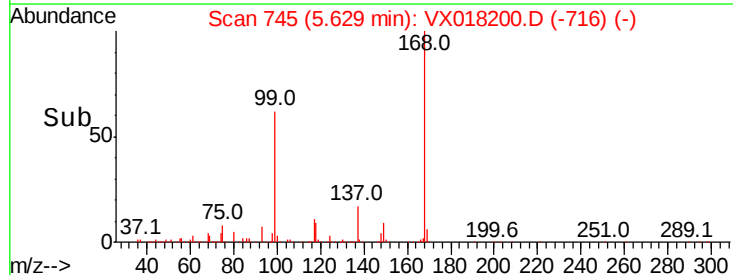
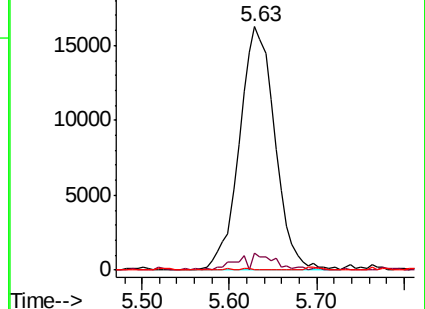
121 0.0 23.4 35.0#

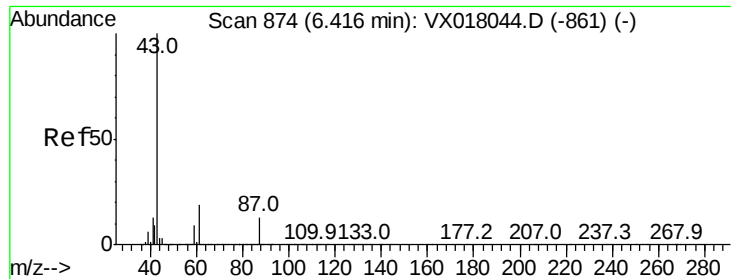


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.053 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#16

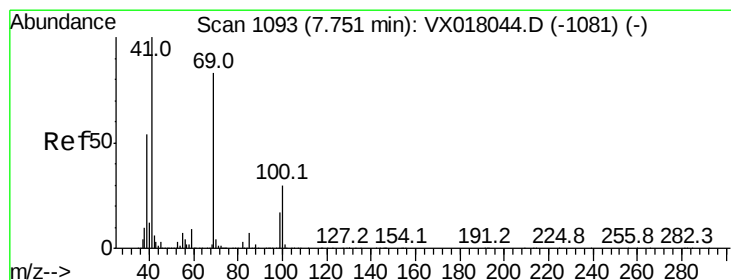
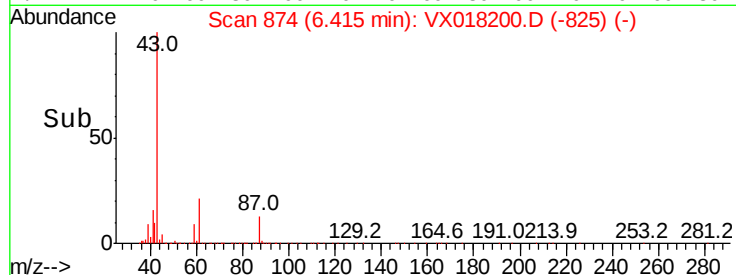
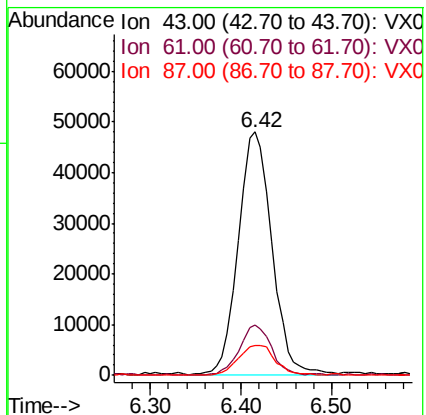
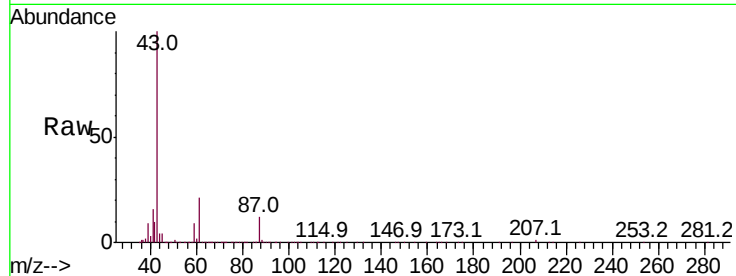
Tot Ion: 43 Resp: 122308

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

87 13.9 10.3 15.5



#48

Methyl methacrylate

Concen: 34.604 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

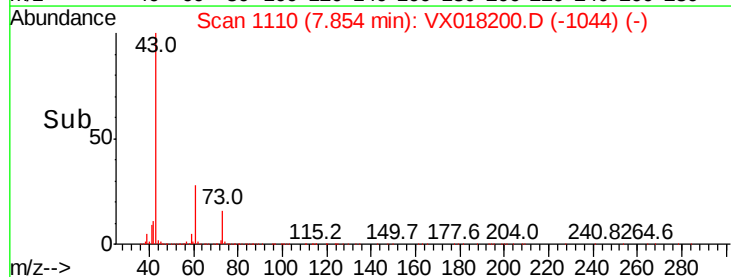
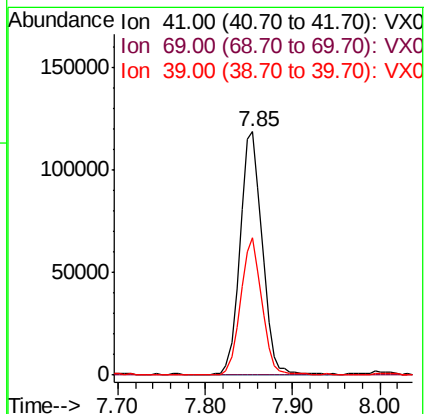
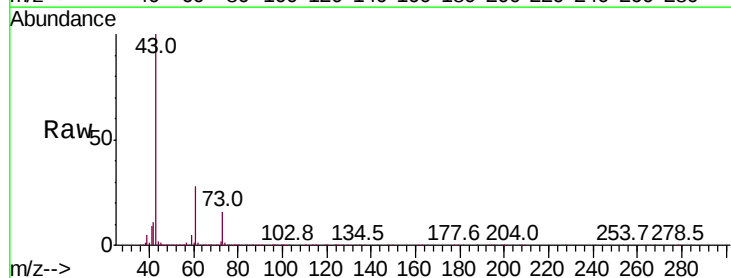
Tgt Ion: 41 Resp: 209586

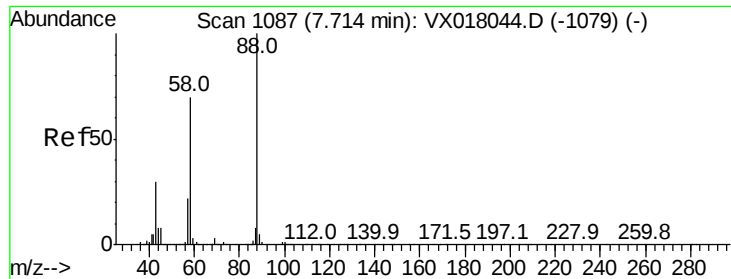
Ion Ratio Lower Upper

41 100

69 0.4 65.5 98.3#

39 54.1 44.5 66.7

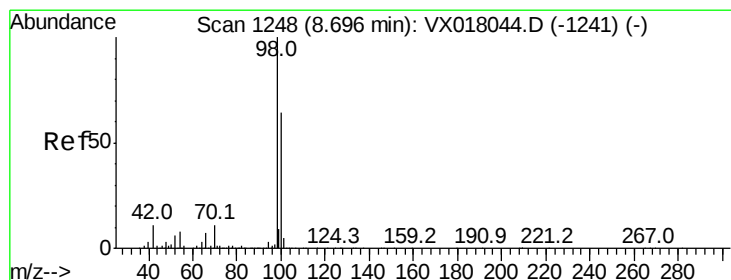
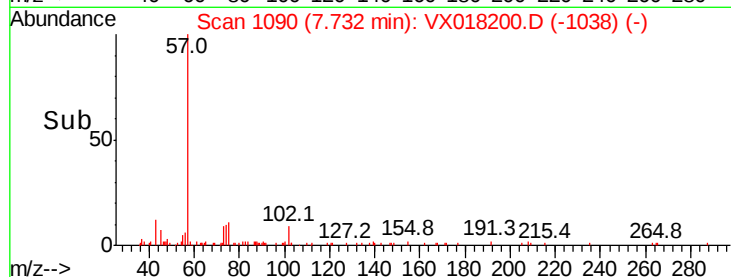
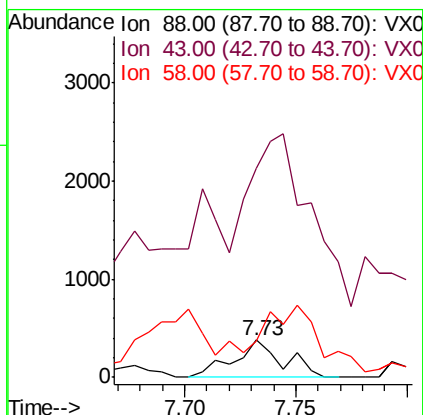
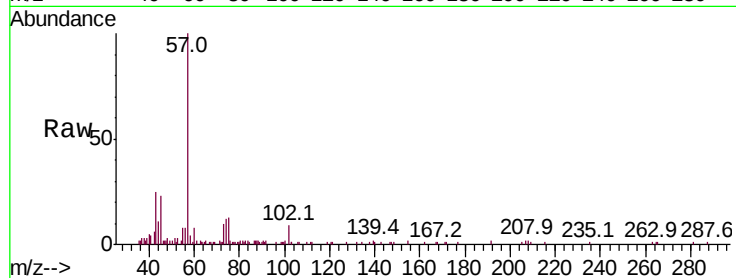




#49
1,4-Dioxane
Concen: 5.332 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

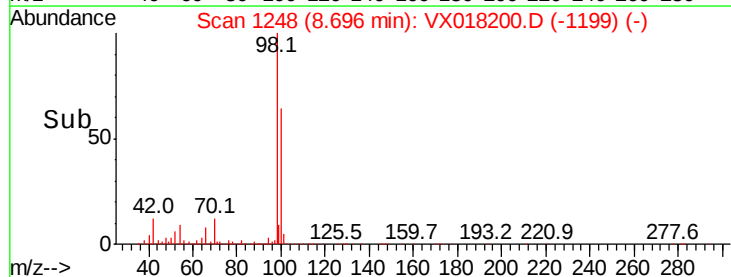
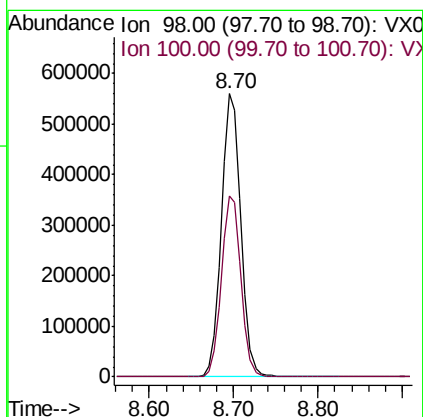
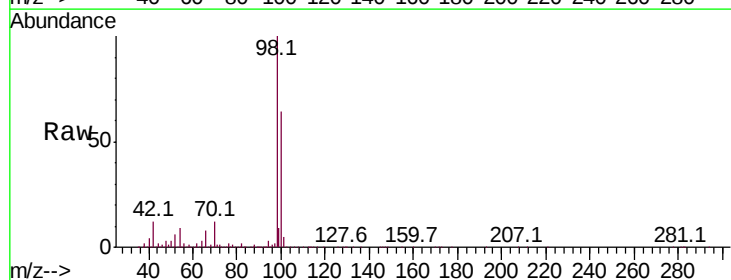
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#16

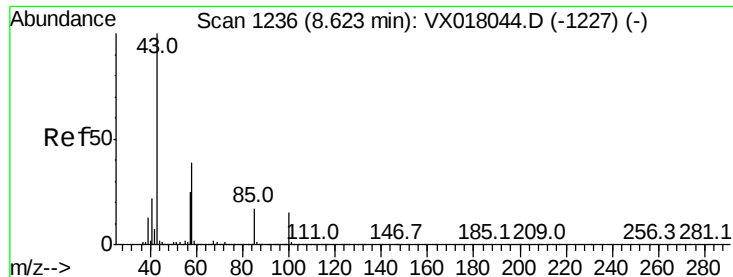
Tot Ion: 88 Resp: 585
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 177.1 56.4 84.6#



#50
Toluene-d8
Concen: 50.182 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

Tgt Ion: 98 Resp: 895062
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.009 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

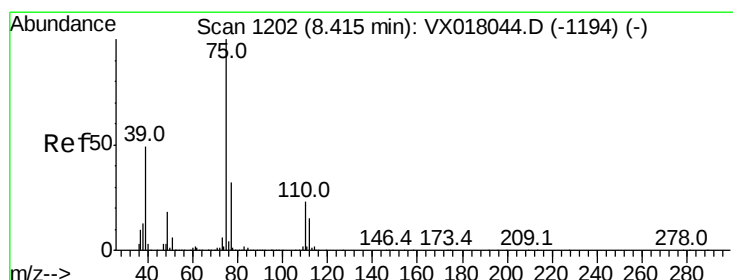
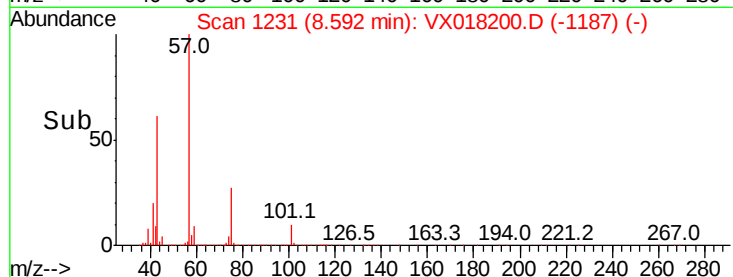
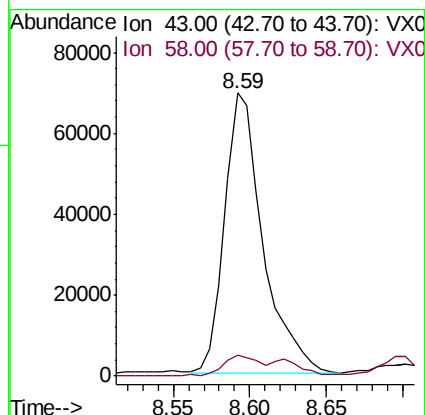
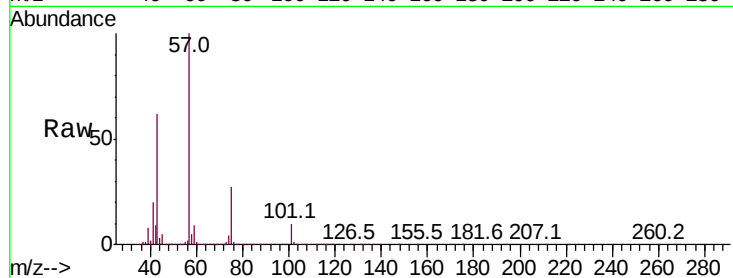
PB131314ZHE#16

Tot Ion: 43 Resp: 120312

Ion Ratio Lower Upper

43 100

58 7.2 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.779 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

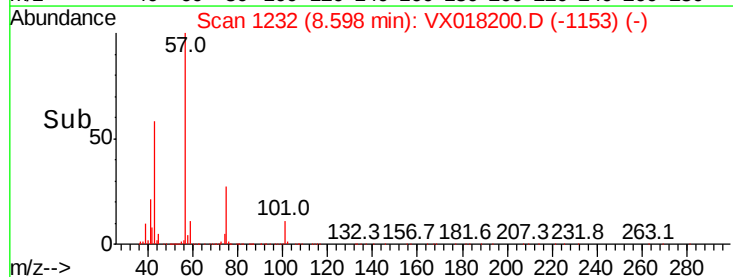
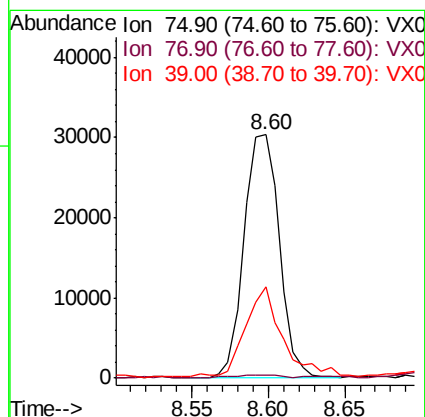
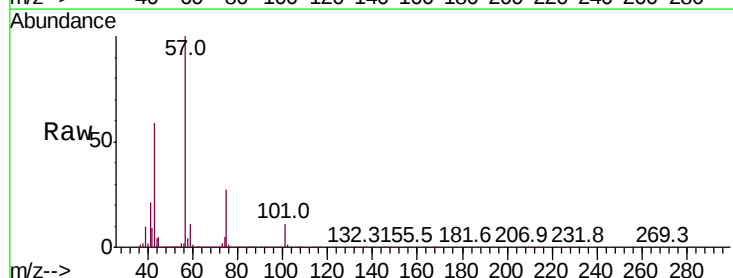
Tgt Ion: 75 Resp: 48933

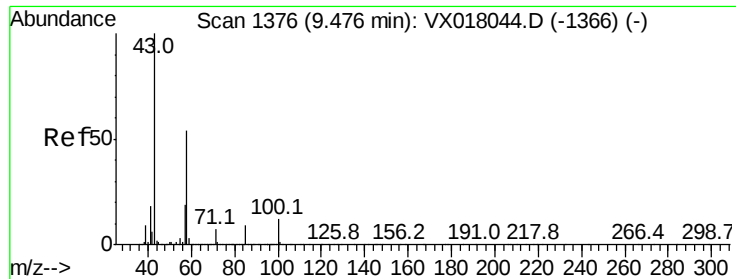
Ion Ratio Lower Upper

75 100

77 1.3 25.8 38.8#

39 36.3 38.8 58.2#

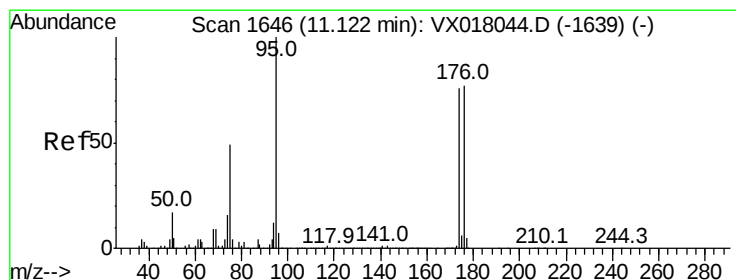
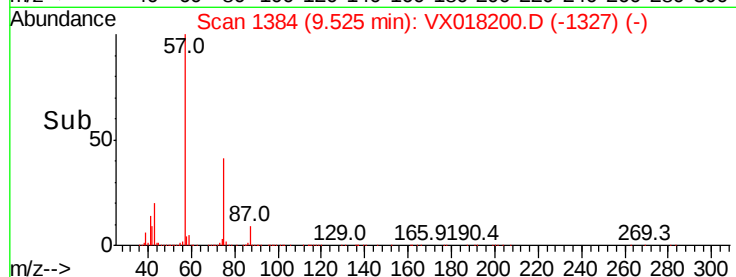
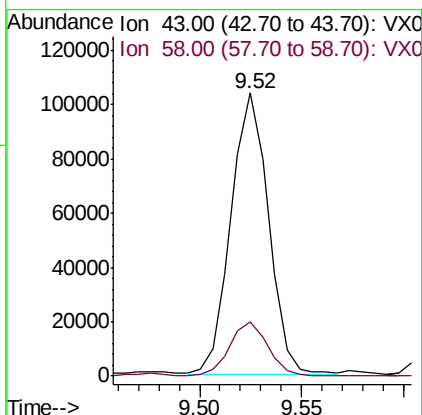
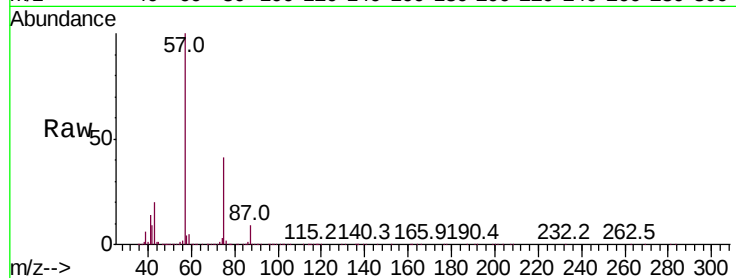




#59
2-Hexanone
Concen: 23.090 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

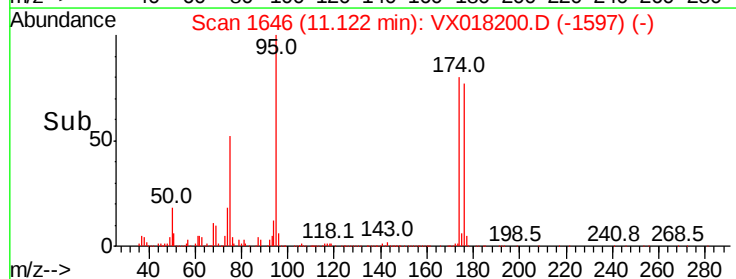
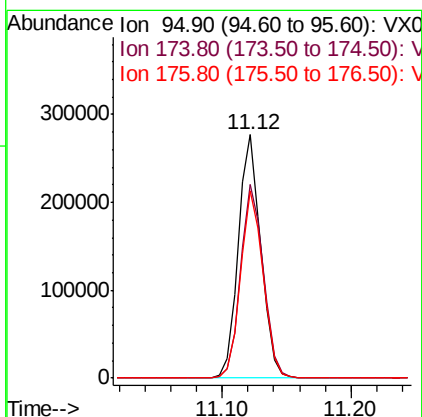
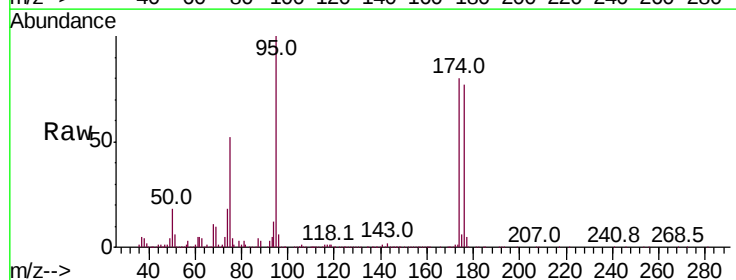
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#16

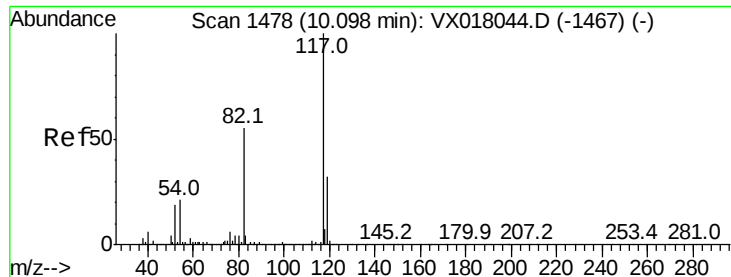
Tot Ion: 43 Resp: 131948
Ion Ratio Lower Upper
43 100
58 19.3 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.682 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

Tgt Ion: 95 Resp: 334611
Ion Ratio Lower Upper
95 100
174 80.5 0.0 160.2
176 76.8 0.0 155.8

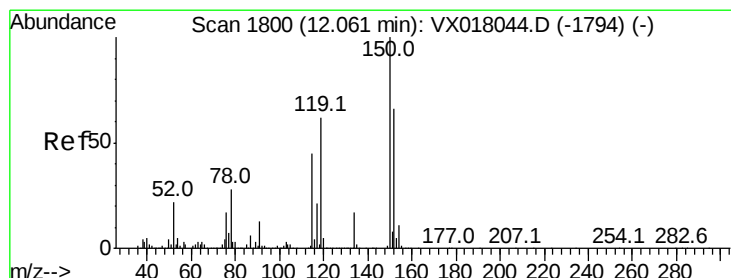
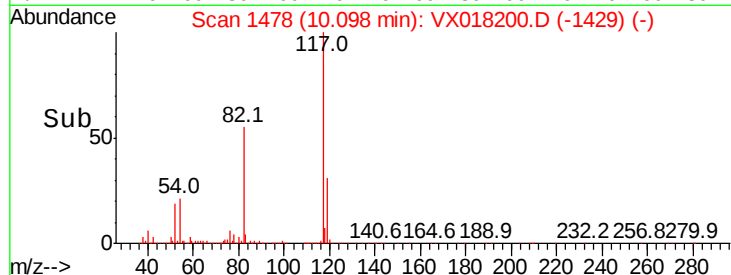
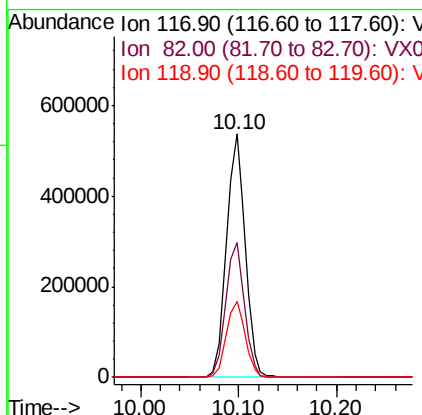
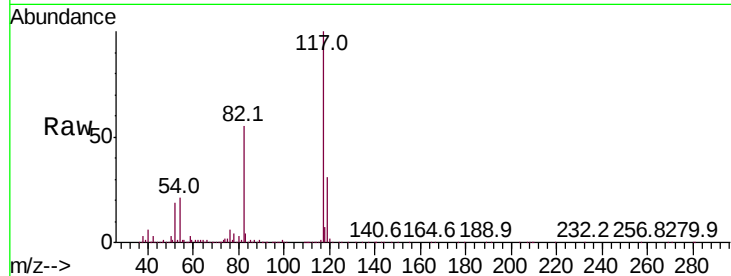




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

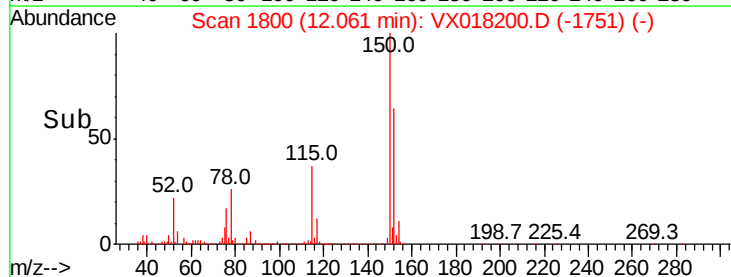
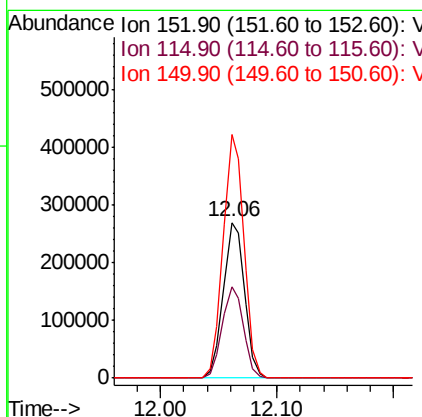
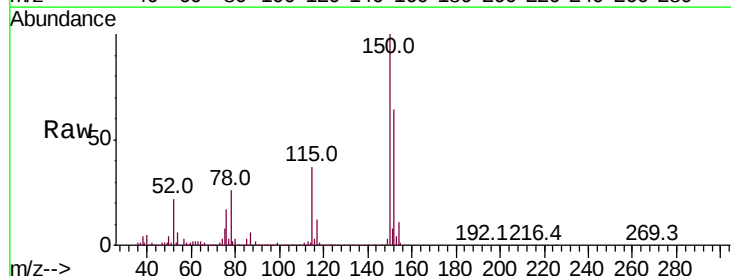
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#16

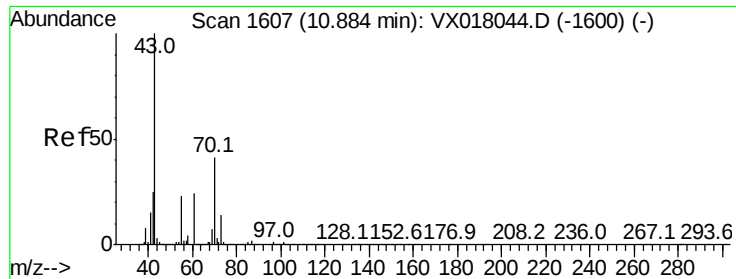
Tot Ion:117 Resp: 711590
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018200.D
Acq: 01 Sep 2020 18:20

Tgt Ion:152 Resp: 338119
Ion Ratio Lower Upper
152 100
115 58.6 41.5 124.5
150 154.2 0.0 343.8





#74

N-amvl acetate

Concen: 0.522 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#16

Tot Ion: 43 Resp: 5527

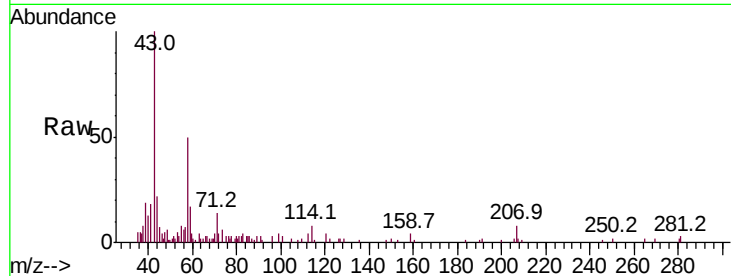
Ion Ratio Lower Upper

43 100

70 6.6 32.3 48.5#

55 12.6 18.2 27.2#

61 0.0 18.9 28.3#

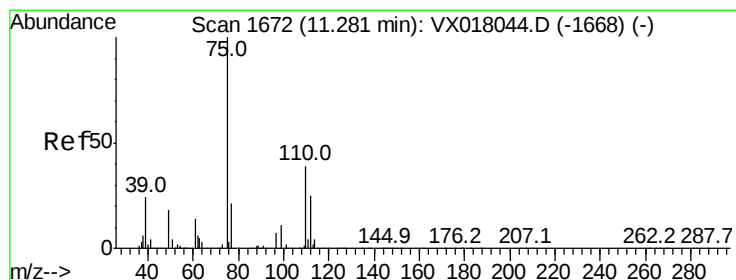
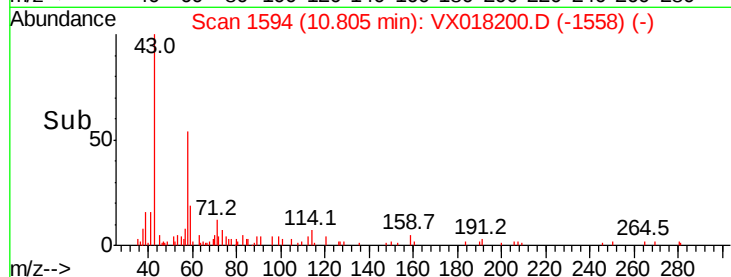
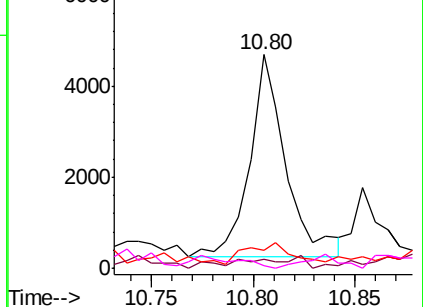


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.270 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018200.D

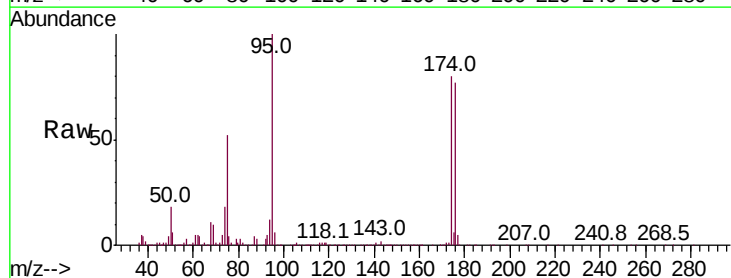
Acq: 01 Sep 2020 18:20

Tgt Ion: 75 Resp: 175024

Ion Ratio Lower Upper

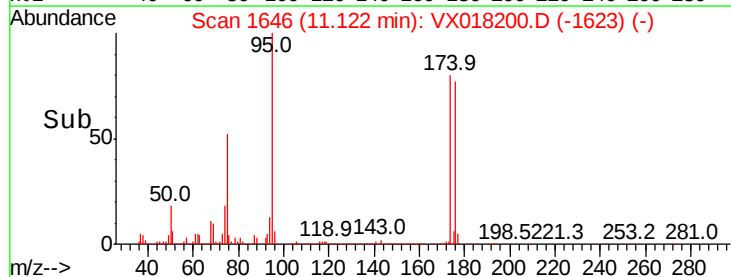
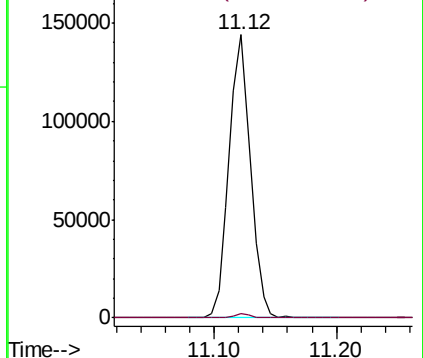
75 100

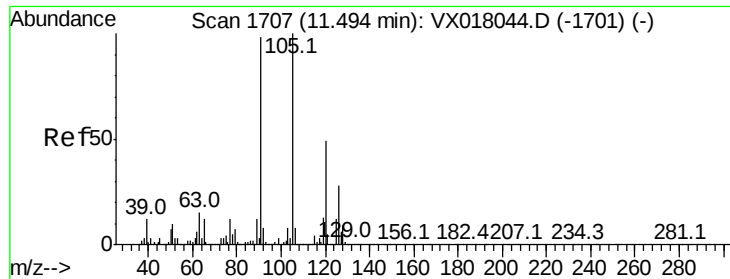
77 1.5 20.8 62.2#



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: 0.599 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

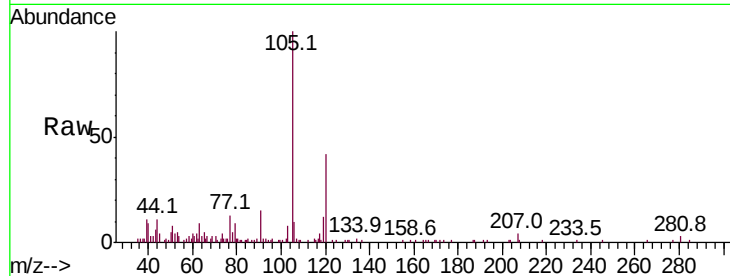
PB131314ZHE#16

Tot Ion:105 Resp: 10972

Ion Ratio Lower Upper

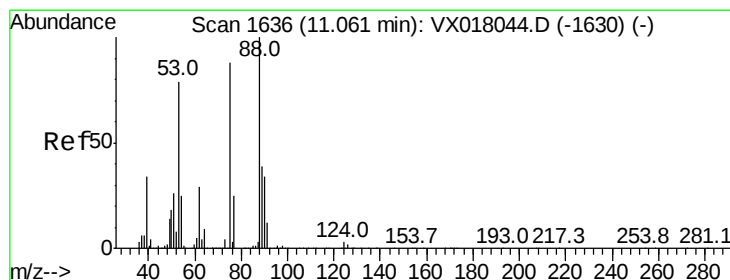
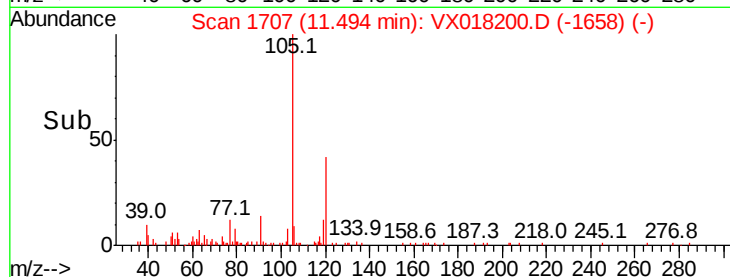
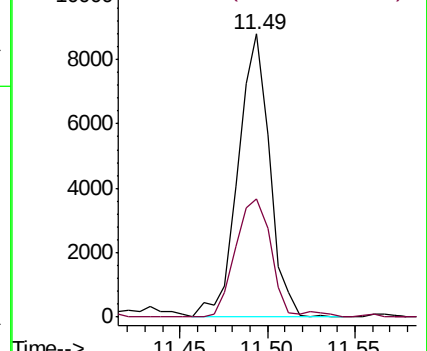
105 100

120 46.8 24.1 72.2



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: 62.847 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018200.D

Acq: 01 Sep 2020 18:20

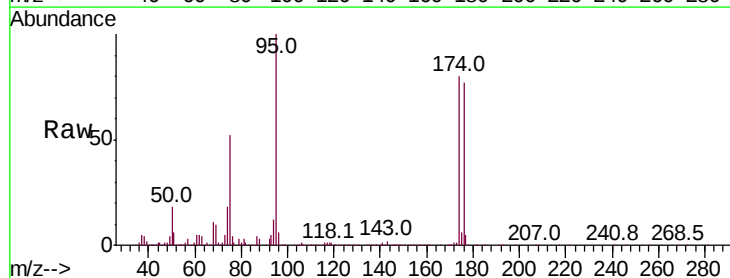
Tgt Ion: 75 Resp: 175024

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.0 36.6 54.8#



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

