

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017733.D
 Acq On : 01 Aug 2020 04:25
 Operator : JC/SP
 Sample : PB130661ZHE#29
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#29

Quant Time: Aug 01 05:13:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	436927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	758301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	791771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	433936	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	312271	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
35) Dibromofluoromethane	5.47	113	260165	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	8.70	98	899623	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.12	95	411880	56.25	ug/l	0.00
Spiked Amount			Recovery	=	112.50%	

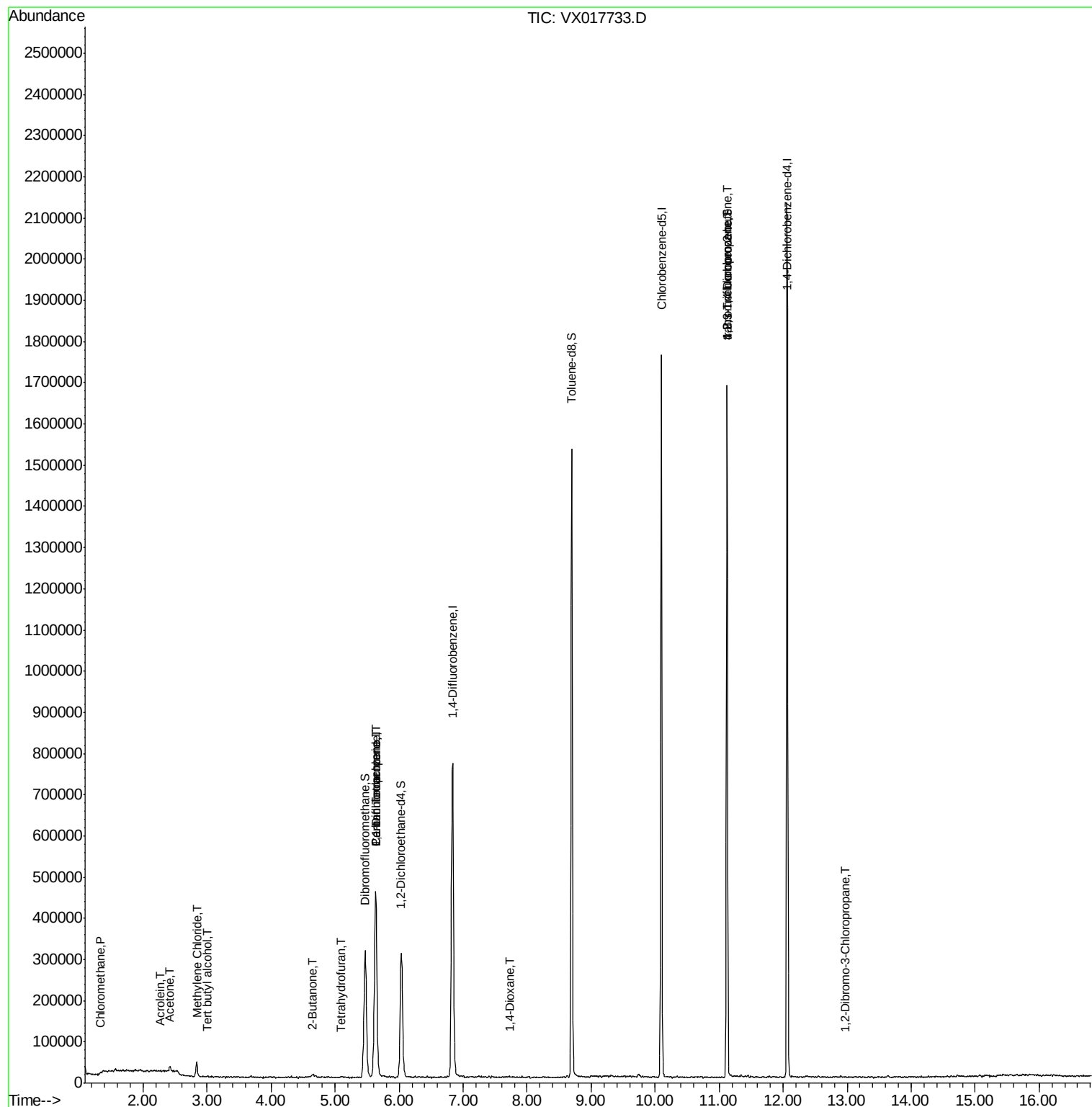
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	481	Below Cal		75
3) Chloromethane	1.32	50	1215	0.590 ug/l #		72
5) Bromomethane	1.64	94	450	Below Cal #		55
6) Chloroethane	1.69	64	408	Below Cal #		44
8) Diethyl Ether	2.13	74	386	Below Cal		81
11) Tert butyl alcohol	3.00	59	1382	1.168 ug/l		98
13) Acrolein	2.28	56	623	4.827 ug/l #		80
16) Acetone	2.42	43	11929	4.829 ug/l #		86
20) Methylene Chloride	2.84	84	16266	2.270 ug/l		87
25) 2-Butanone	4.64	43	3948	1.125 ug/l		91
29) Tetrahydrofuran	5.10	42	1773	0.816 ug/l #		51
36) 1,1-Dichloropropene	5.63	75	33193	4.564 ug/l #		54
38) Carbon Tetrachloride	5.63	117	45683	5.173 ug/l #		16
49) 1,4-Dioxane	7.72	88	145	1.162 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	210035	23.530 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	210035	59.290 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	323	2.693 ug/l #		21

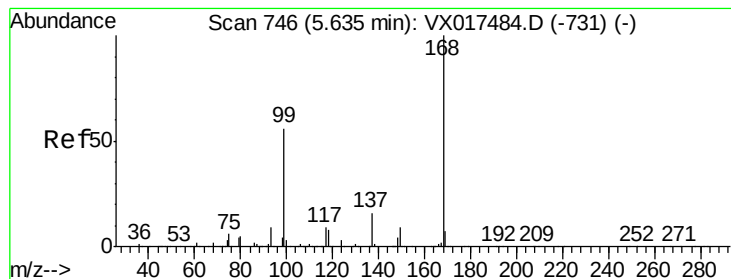
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

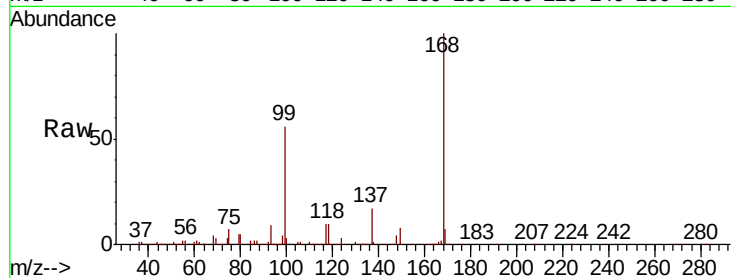
PB130661ZHE#29

Tot Ion:168 Resp: 436927

Ion Ratio Lower Upper

168 100

99 55.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

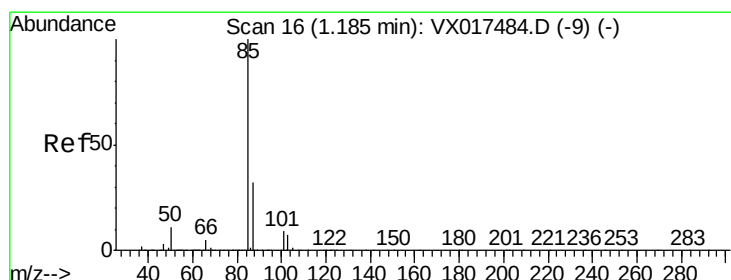
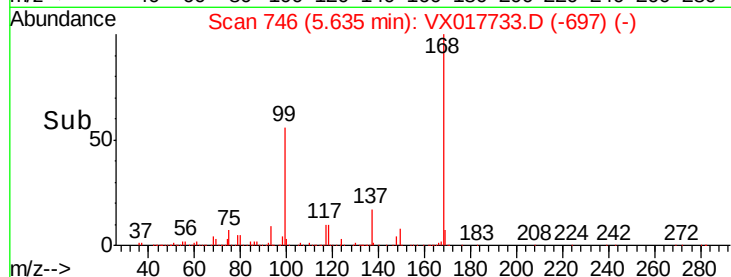
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017733.D

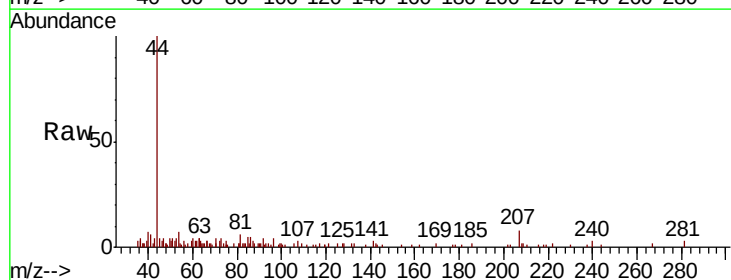
Acq: 01 Aug 2020 04:25

Tgt Ion: 85 Resp: 481

Ion Ratio Lower Upper

85 100

87 18.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

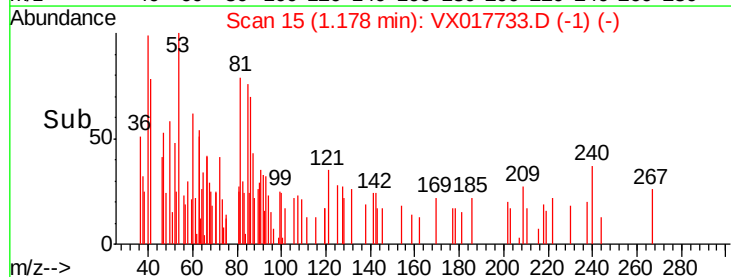
300

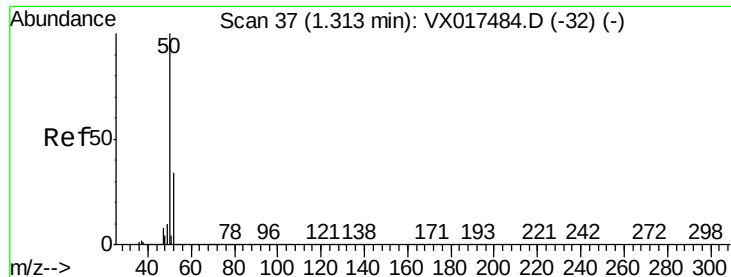
200

100

0

Time-->





#3

Chloromethane

Concen: 0.590 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

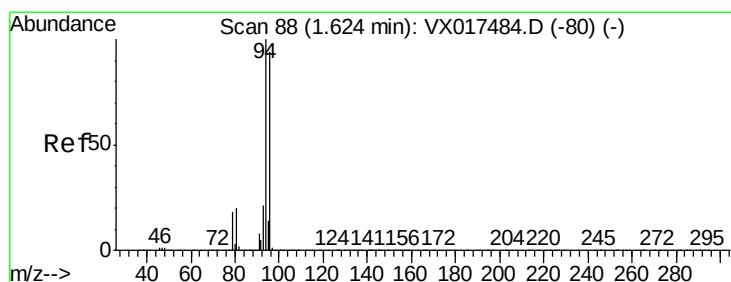
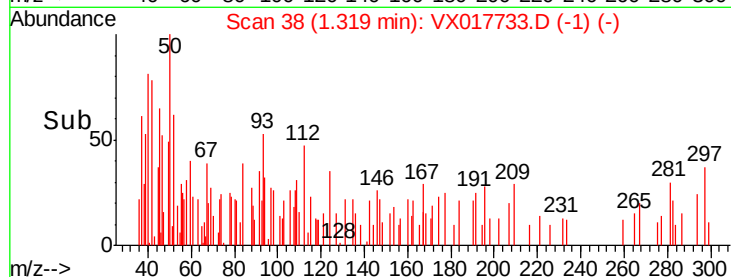
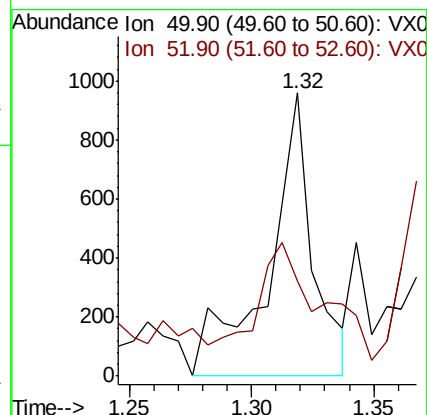
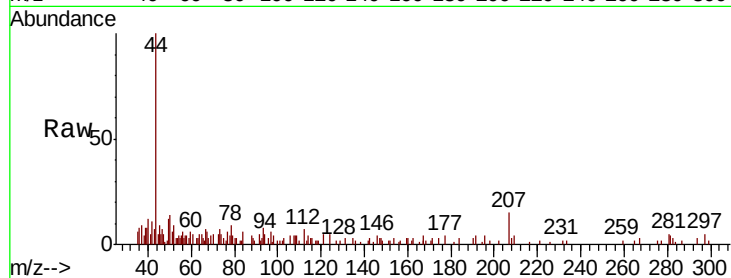
PB130661ZHE#29

Tot Ion: 50 Resp: 1215

Ion Ratio Lower Upper

50 100

52 16.8 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017733.D

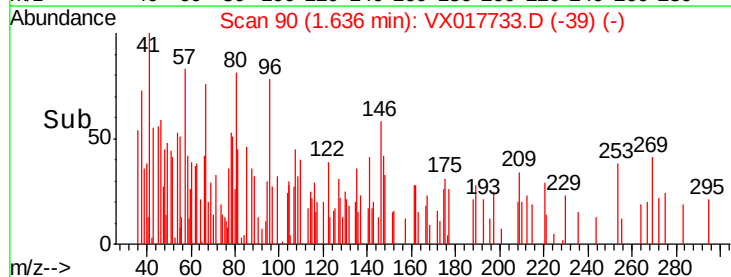
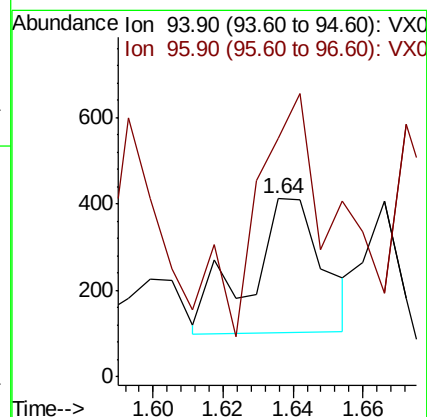
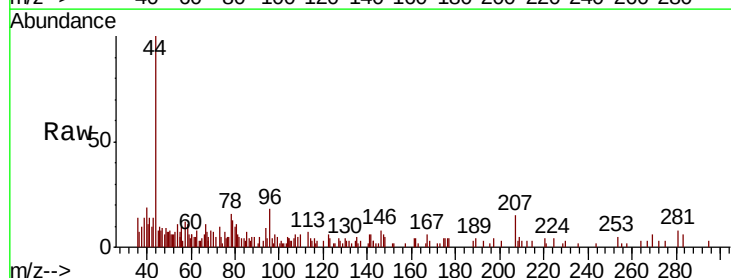
Acq: 01 Aug 2020 04:25

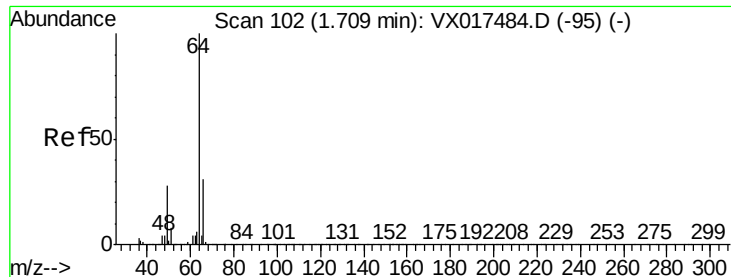
Tgt Ion: 94 Resp: 450

Ion Ratio Lower Upper

94 100

96 135.5 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

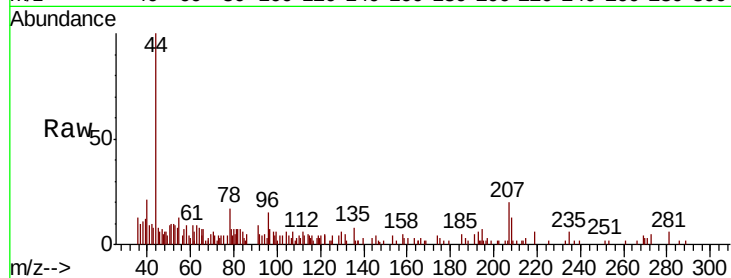
PB130661ZHE#29

Tot Ion: 64 Resp: 408

Ion Ratio Lower Upper

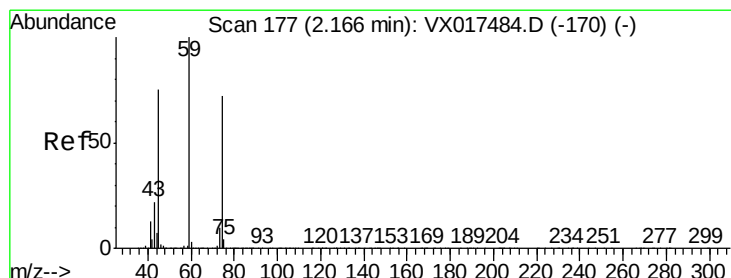
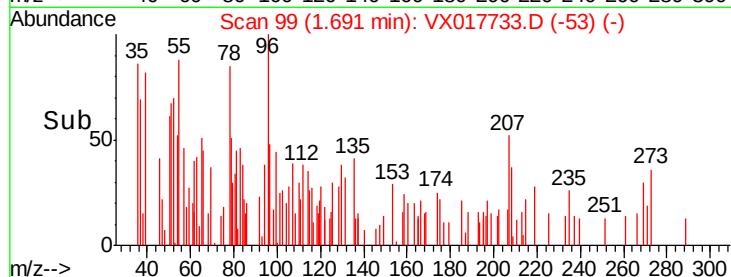
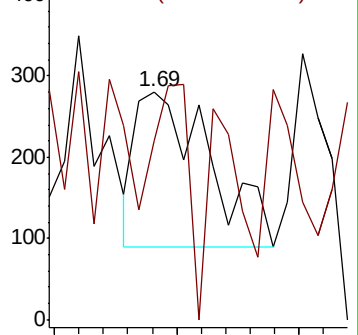
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.13 min Scan# 171

Delta R.T. -0.04 min

Lab File: VX017733.D

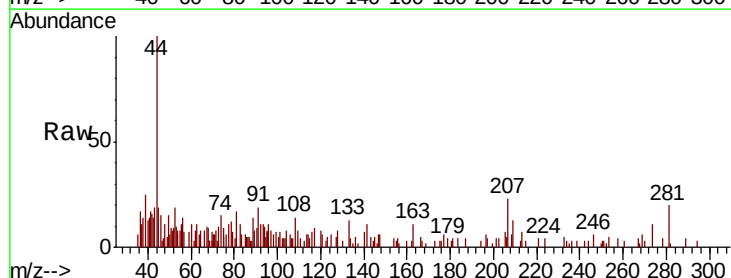
Acq: 01 Aug 2020 04:25

Tgt Ion: 74 Resp: 386

Ion Ratio Lower Upper

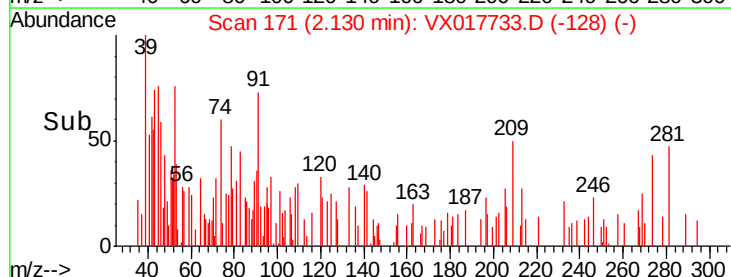
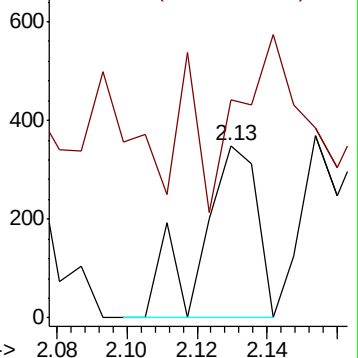
74 100

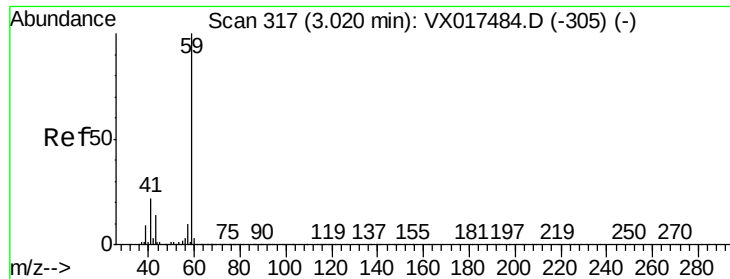
45 121.2 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



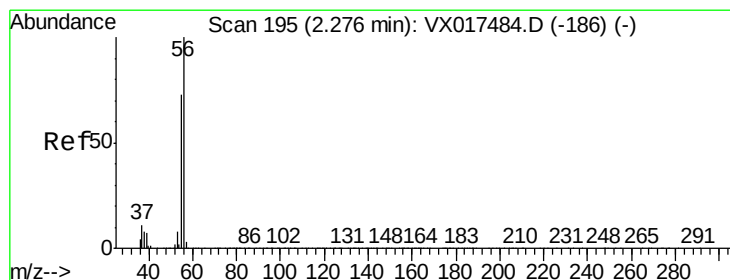
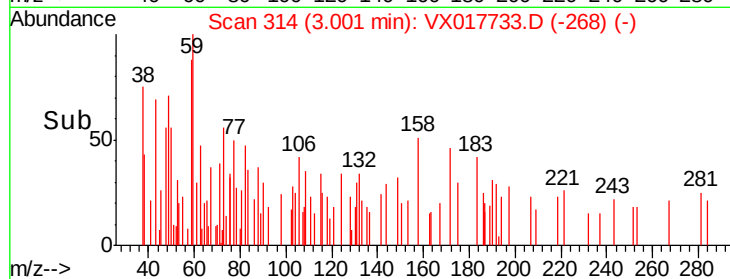
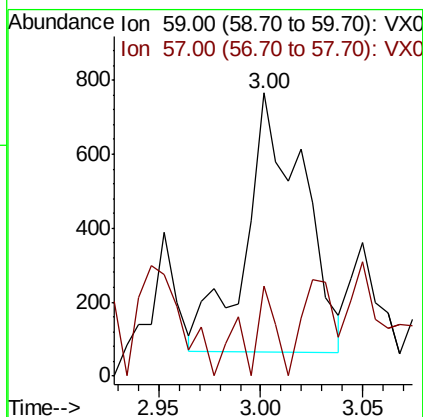
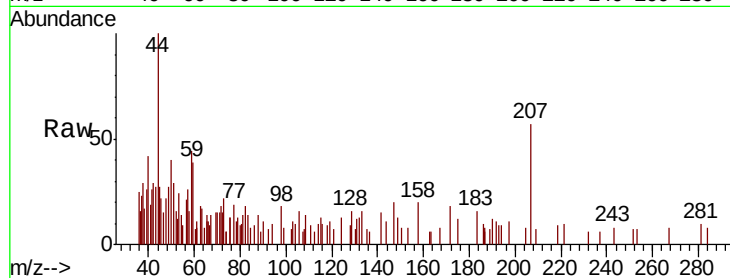


#11

Tert butyl alcohol
 Concen: 1.168 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX017733.D
 Acq: 01 Aug 2020 04:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#29

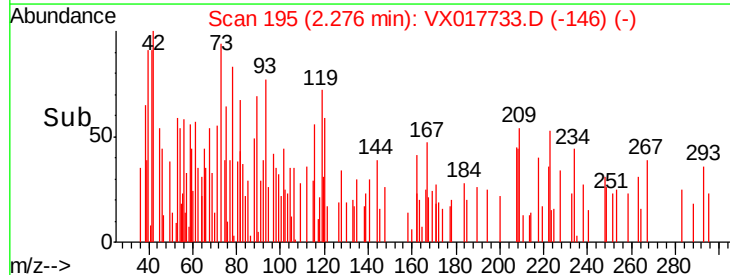
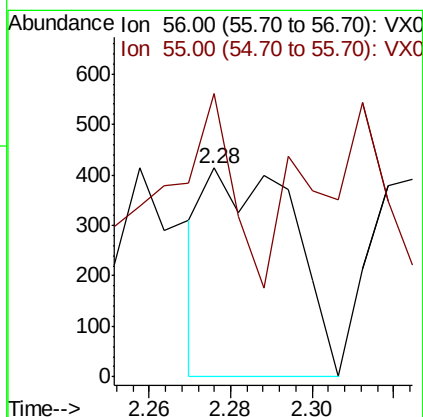
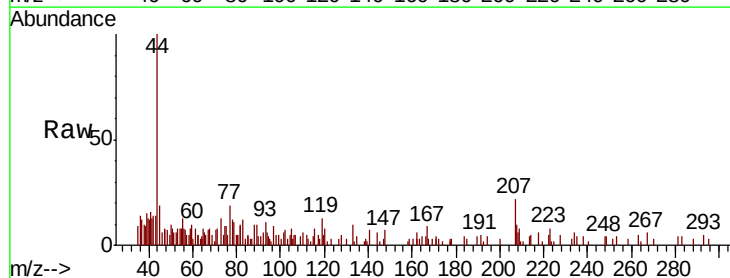
Tot Ion: 59 Resp: 1382
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.6 12.8

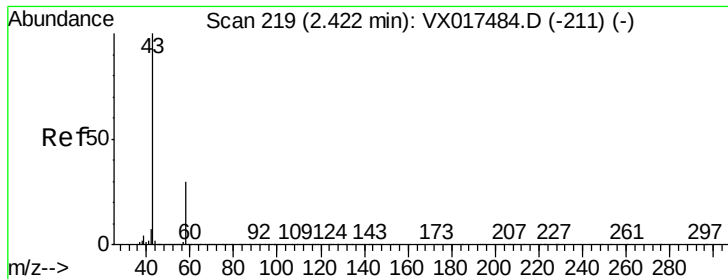


#13

Acrolein
 Concen: 4.827 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX017733.D
 Acq: 01 Aug 2020 04:25

Tgt Ion: 56 Resp: 623
 Ion Ratio Lower Upper
 56 100
 55 55.1 57.4 86.2#

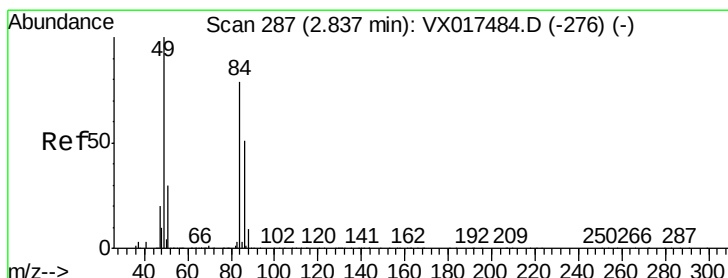
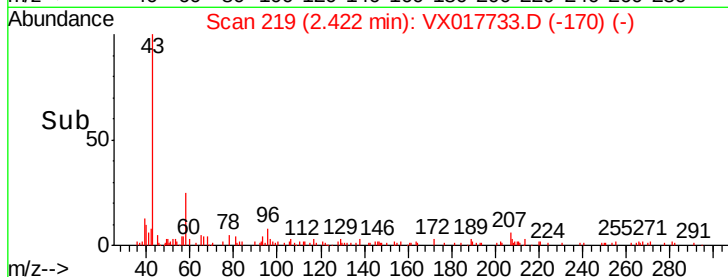
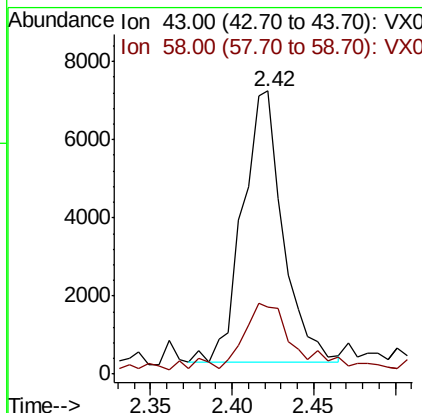
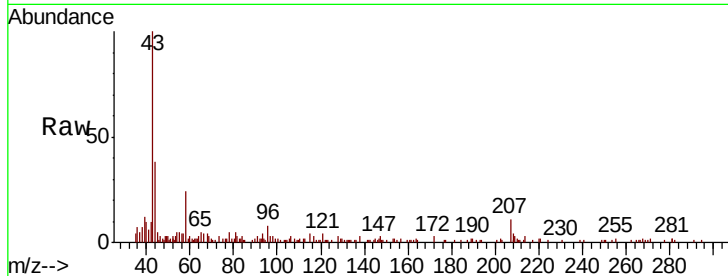




#16
Acetone
Concen: 4.829 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

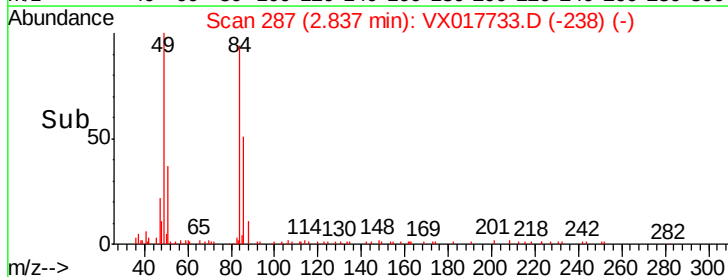
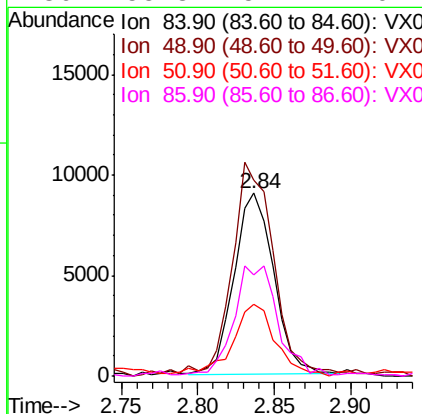
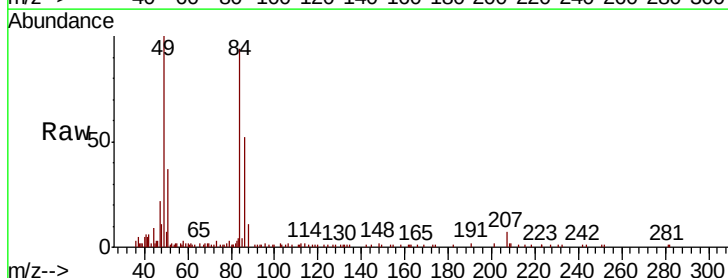
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#29

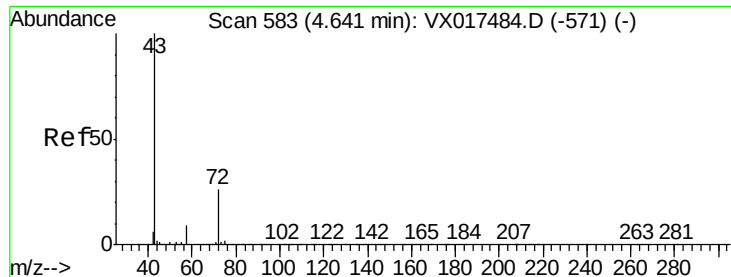
Tot Ion: 43 Resp: 11929
Ion Ratio Lower Upper
43 100
58 22.7 24.2 36.4#



#20
Methylene Chloride
Concen: 2.270 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

Tgt Ion: 84 Resp: 16266
Ion Ratio Lower Upper
84 100
49 106.0 100.3 150.5
51 37.2 30.5 45.7
86 55.3 51.1 76.7





#25

2-Butanone

Concen: 1.125 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

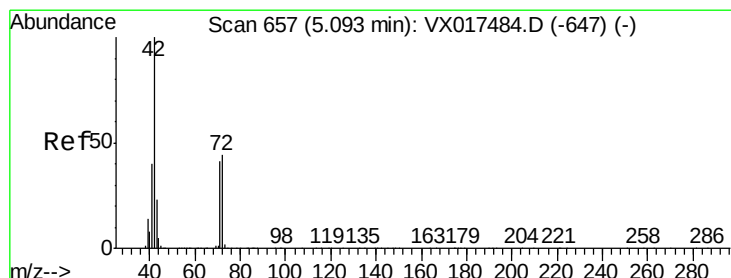
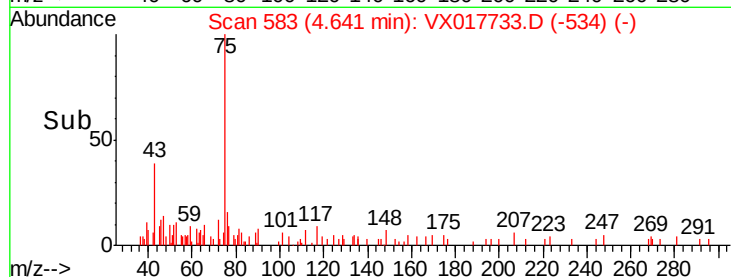
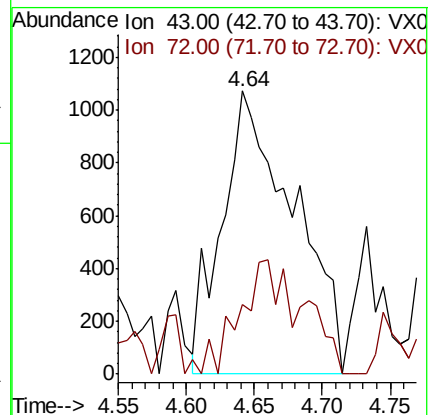
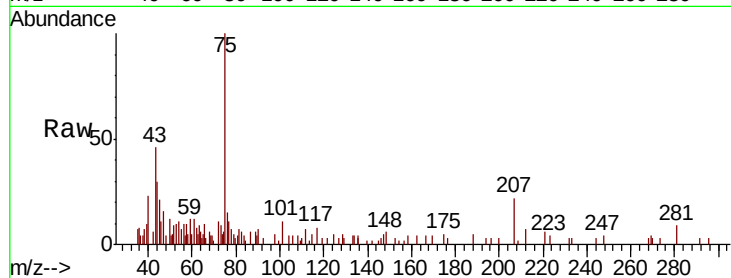
PB130661ZHE#29

Tot Ion: 43 Resp: 3948

Ion Ratio Lower Upper

43 100

72 19.4 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.816 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

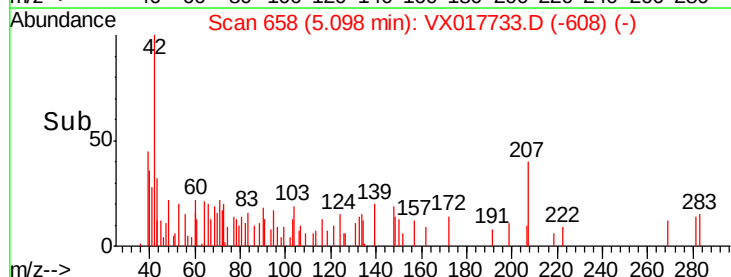
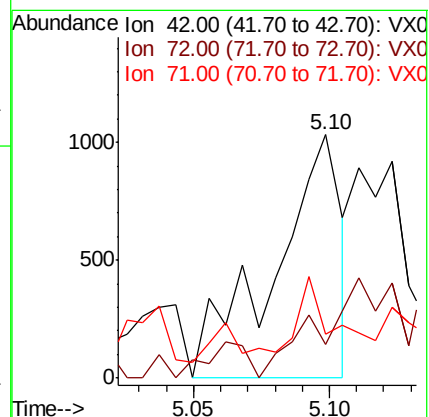
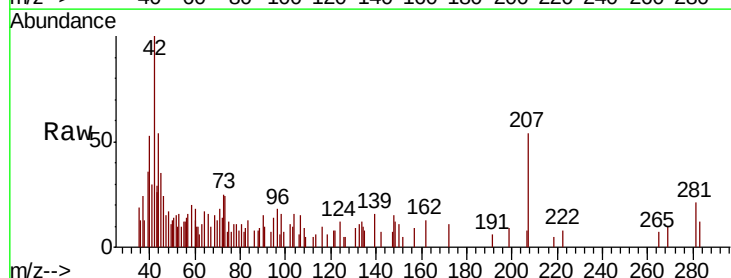
Tgt Ion: 42 Resp: 1773

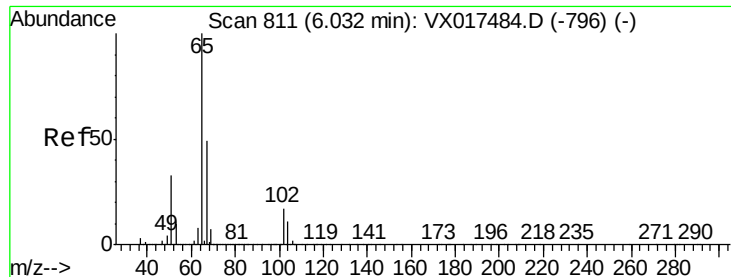
Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 23.5 33.0 49.4#

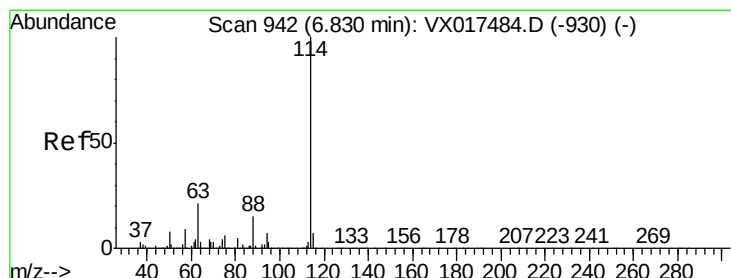
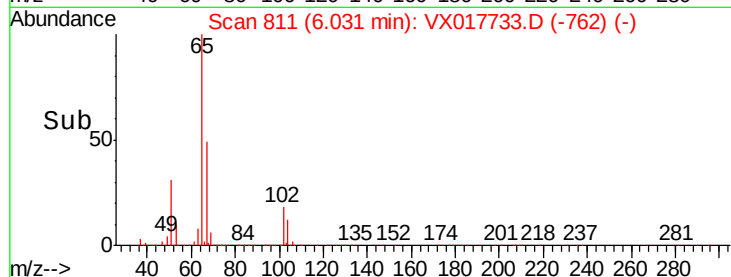
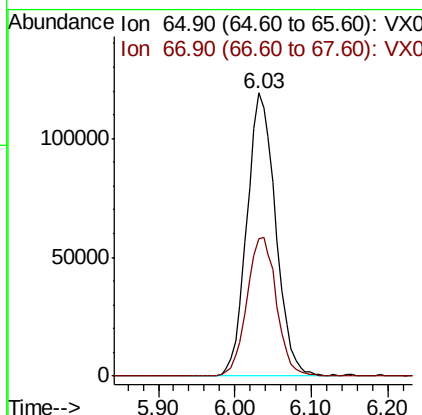
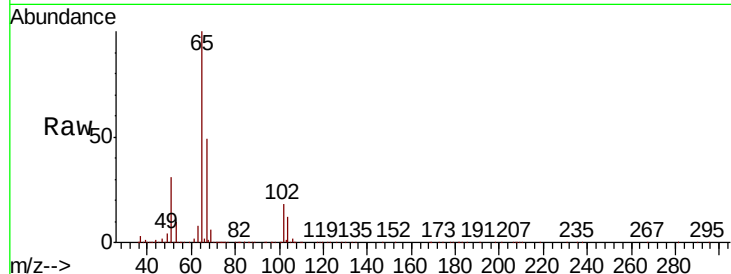




#33
 1,2-Dichloroethane-d4
 Concen: 55.638 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017733.D
 Acq: 01 Aug 2020 04:25

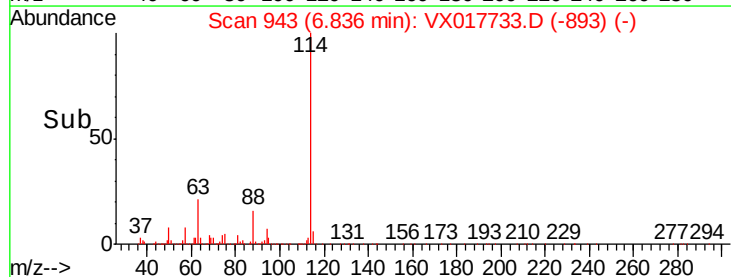
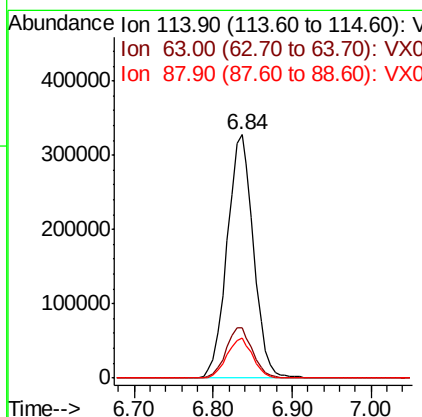
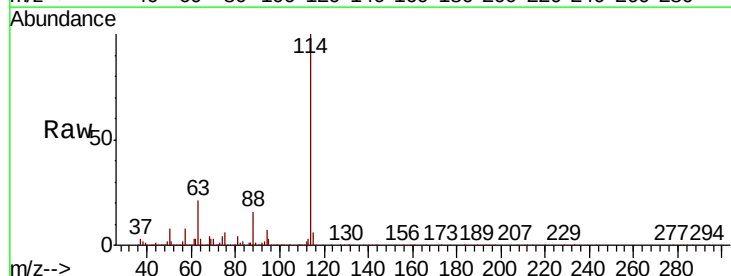
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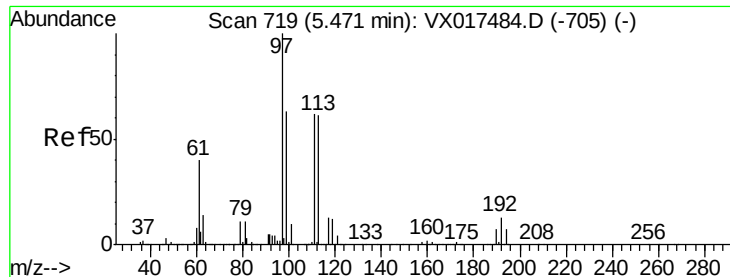
Tot Ion: 65 Resp: 312271
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017733.D
 Acq: 01 Aug 2020 04:25

Tgt Ion: 114 Resp: 758301
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.6
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.299 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#29

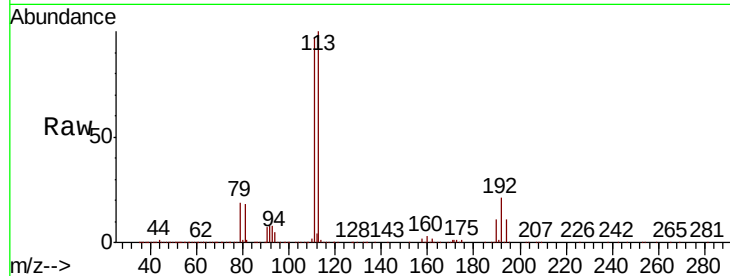
Tot Ion:113 Resp: 260165

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

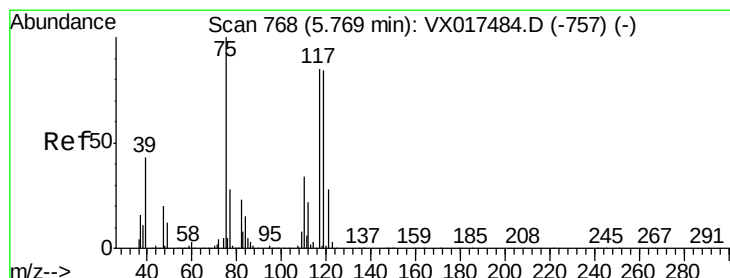
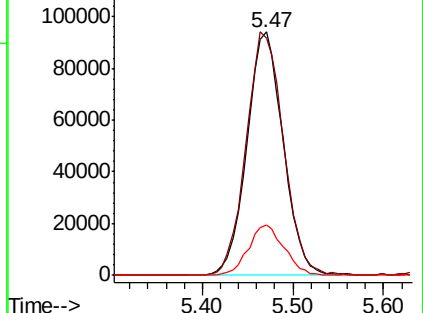
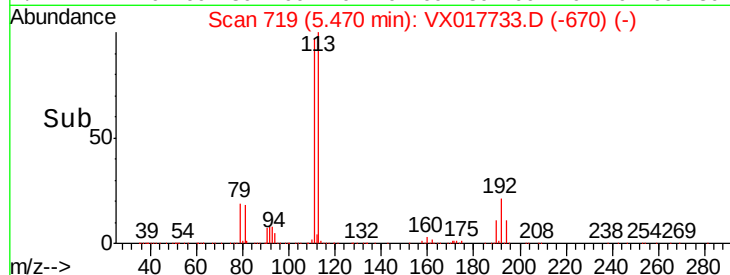
192 20.6 16.9 25.3



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: 4.564 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

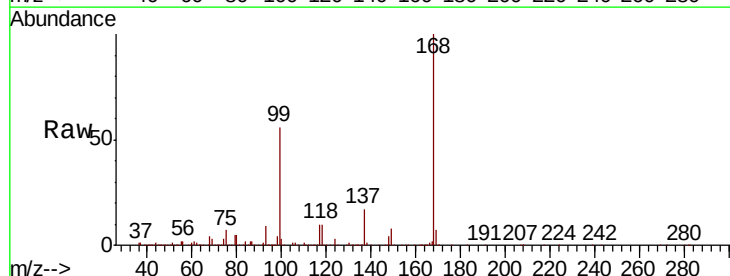
Tgt Ion: 75 Resp: 33193

Ion Ratio Lower Upper

75 100

110 12.6 18.1 54.3#

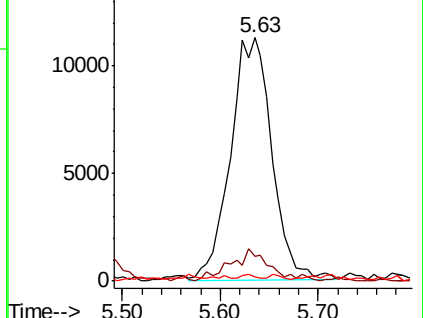
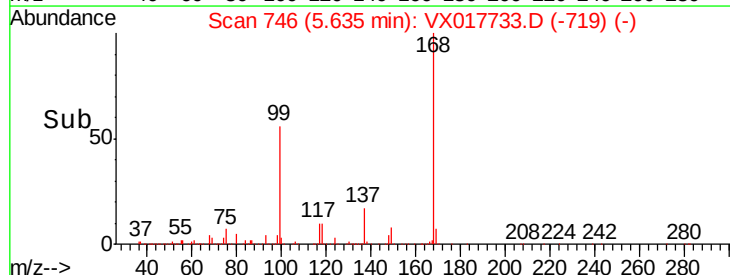
77 1.1 24.6 37.0#

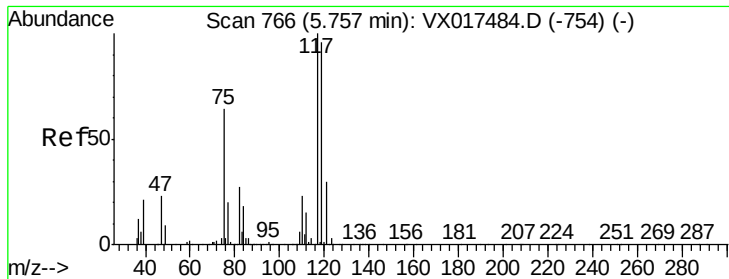


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.173 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#29

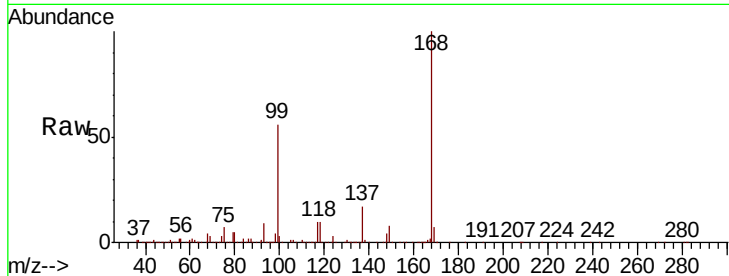
Tot Ion:117 Resp: 45683

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

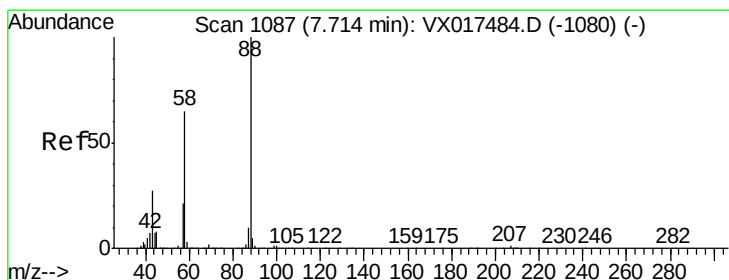
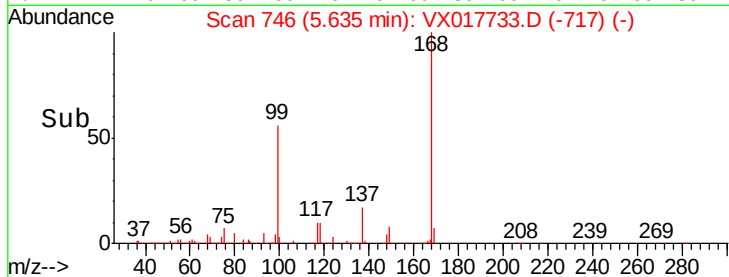
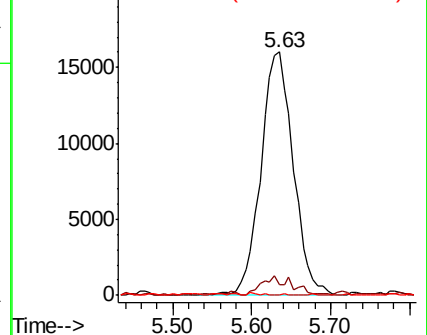
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 1.162 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

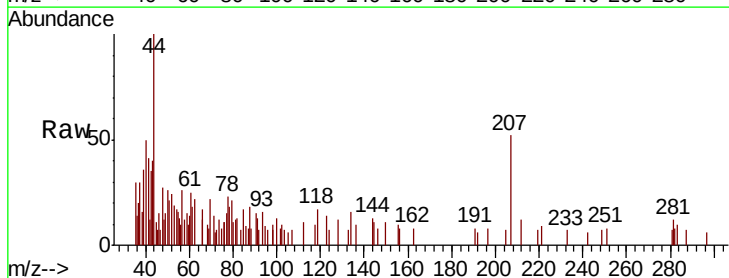
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 300.7 27.8 41.6#

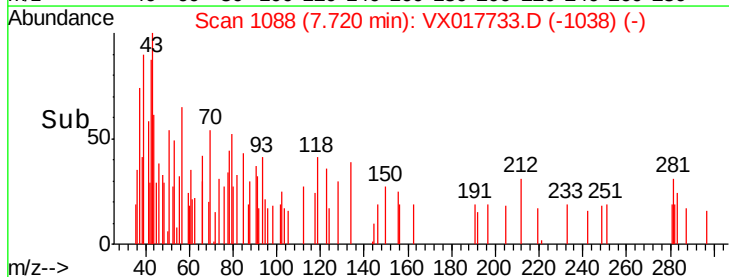
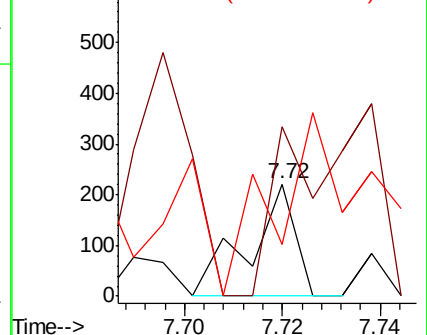
58 324.1 58.3 87.5#

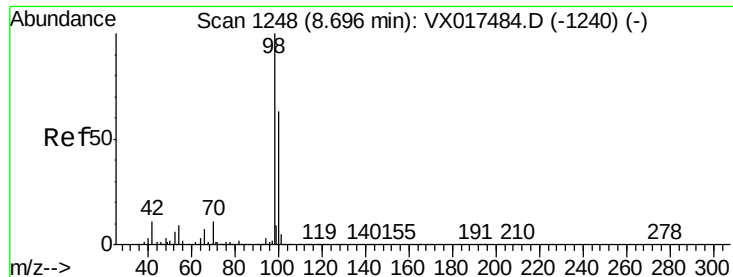


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

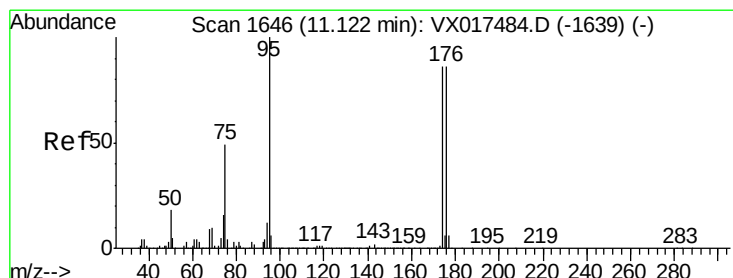
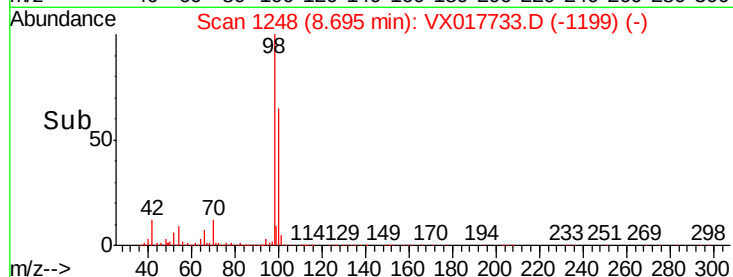
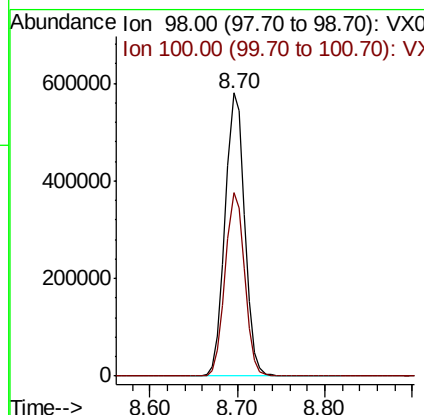
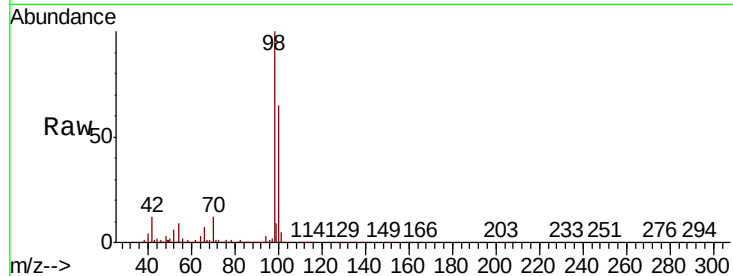




#50
Toluene-d8
Concen: 49.172 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

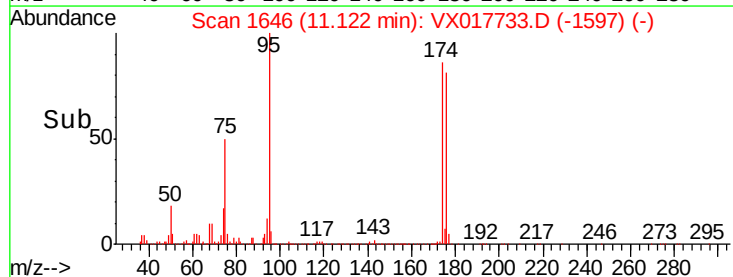
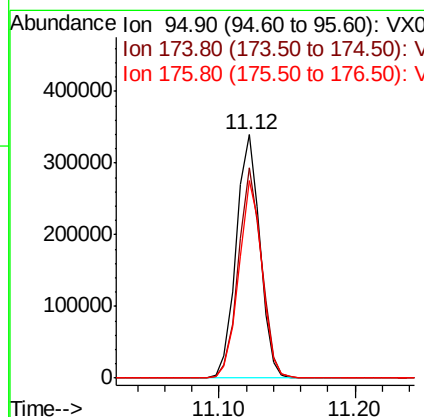
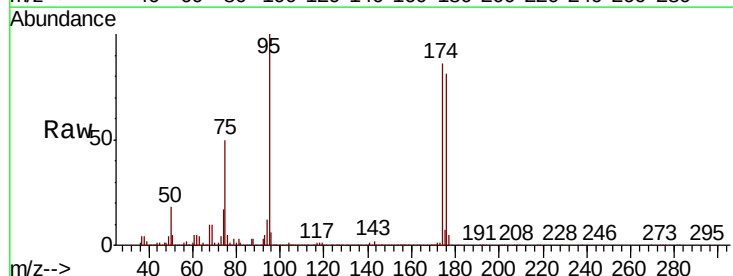
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#29

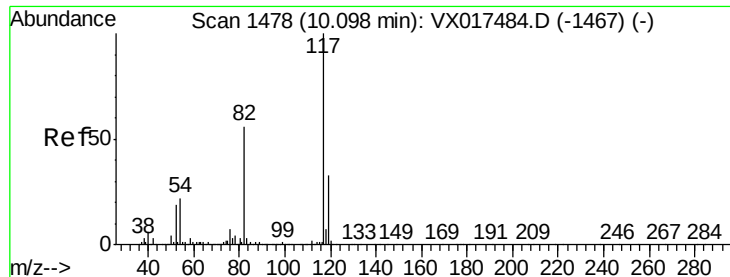
Tot Ion: 98 Resp: 899623
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 56.253 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

Tgt Ion: 95 Resp: 411880
Ion Ratio Lower Upper
95 100
174 85.0 0.0 169.0
176 80.1 0.0 161.0

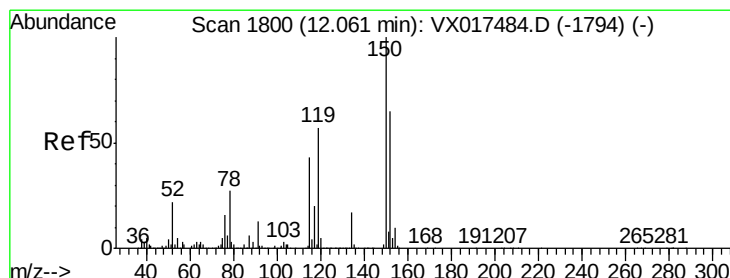
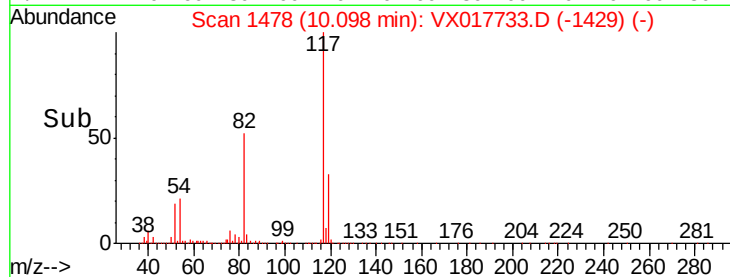
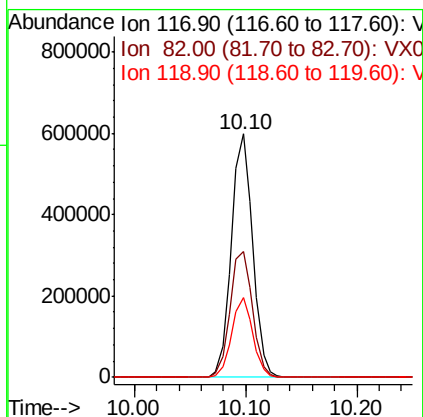
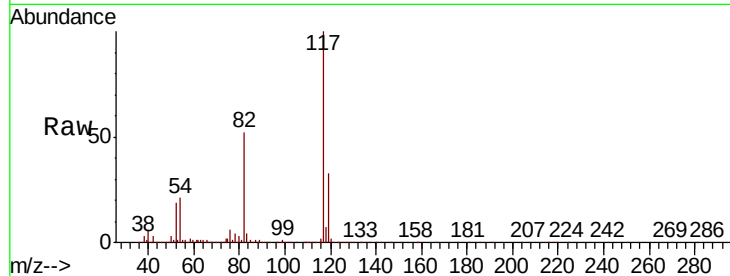




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

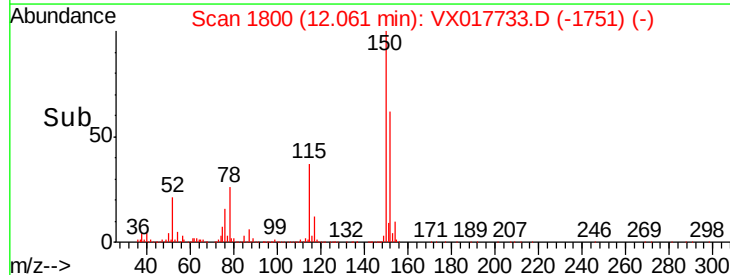
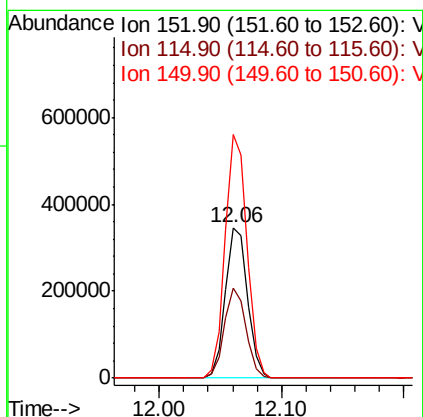
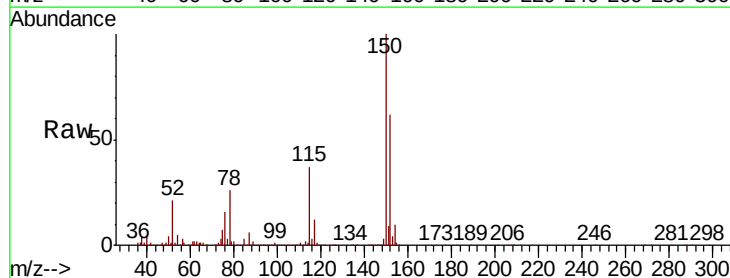
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#29

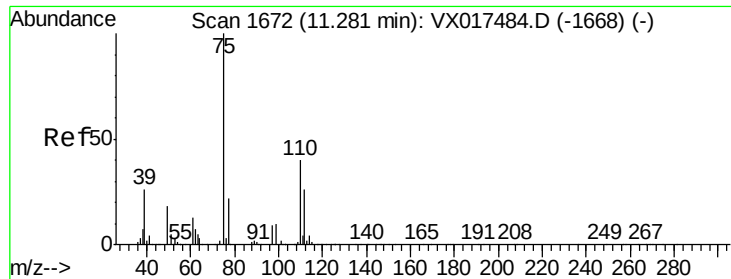
Tot Ion:117 Resp: 791771
Ion Ratio Lower Upper
117 100
82 51.9 44.0 66.0
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017733.D
Acq: 01 Aug 2020 04:25

Tgt Ion:152 Resp: 433936
Ion Ratio Lower Upper
152 100
115 58.3 65.5 196.6#
150 158.8 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

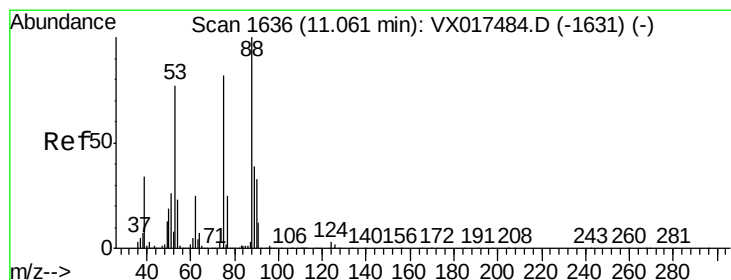
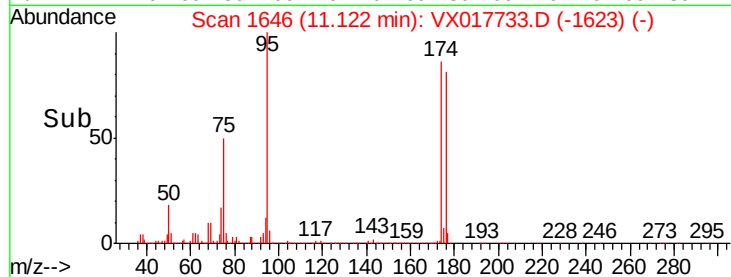
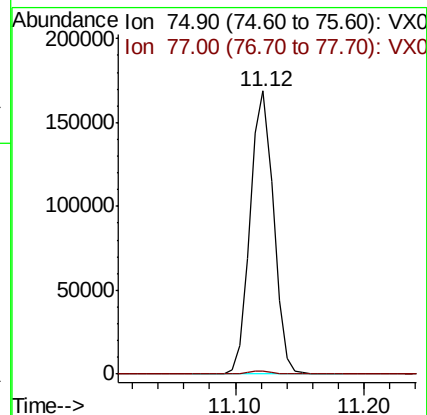
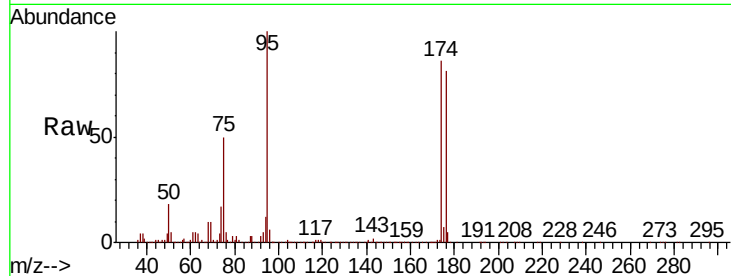
PB130661ZHE#29

Tot Ion: 75 Resp: 210035

Ion Ratio Lower Upper

75 100

77 1.5 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.290 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

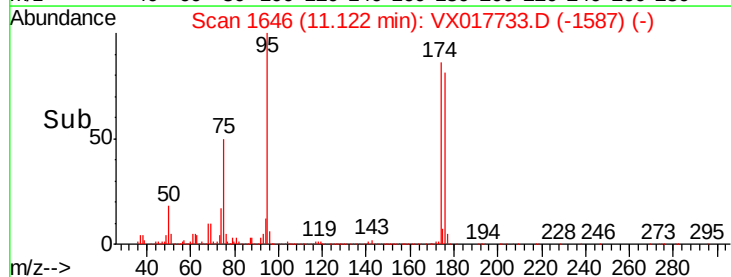
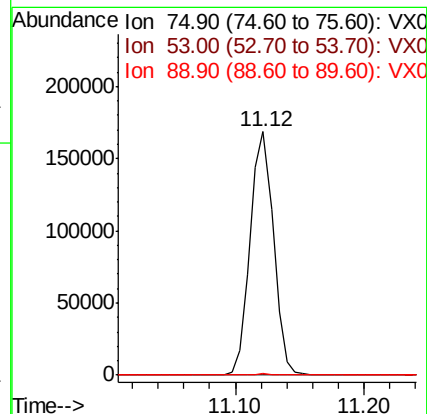
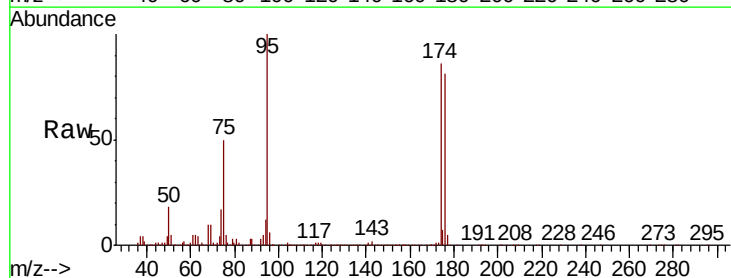
Tgt Ion: 75 Resp: 210035

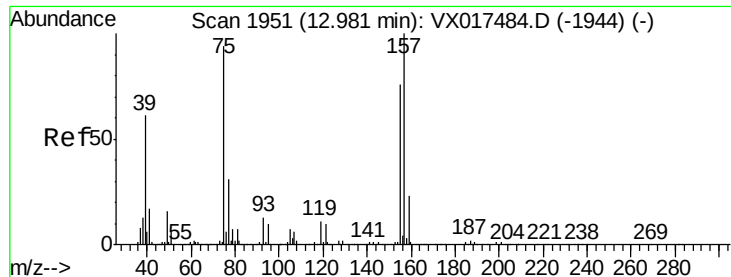
Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.3 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.693 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017733.D

Acq: 01 Aug 2020 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#29

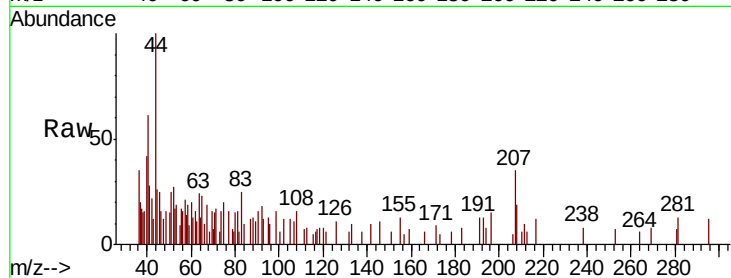
Tot Ion: 75 Resp: 323

Ion Ratio Lower Upper

75 100

155 14.6 42.3 126.8#

157 23.8 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

