

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017729.D
 Acq On : 01 Aug 2020 02:53
 Operator : JC/SP
 Sample : PB130661ZHE#25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#25

Quant Time: Aug 01 05:12:19 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	5.64	168	448805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	758530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	790728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	429532	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	321150	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	5.47	113	267967	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
50) Toluene-d8	8.70	98	941561	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.12	95	405847	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	

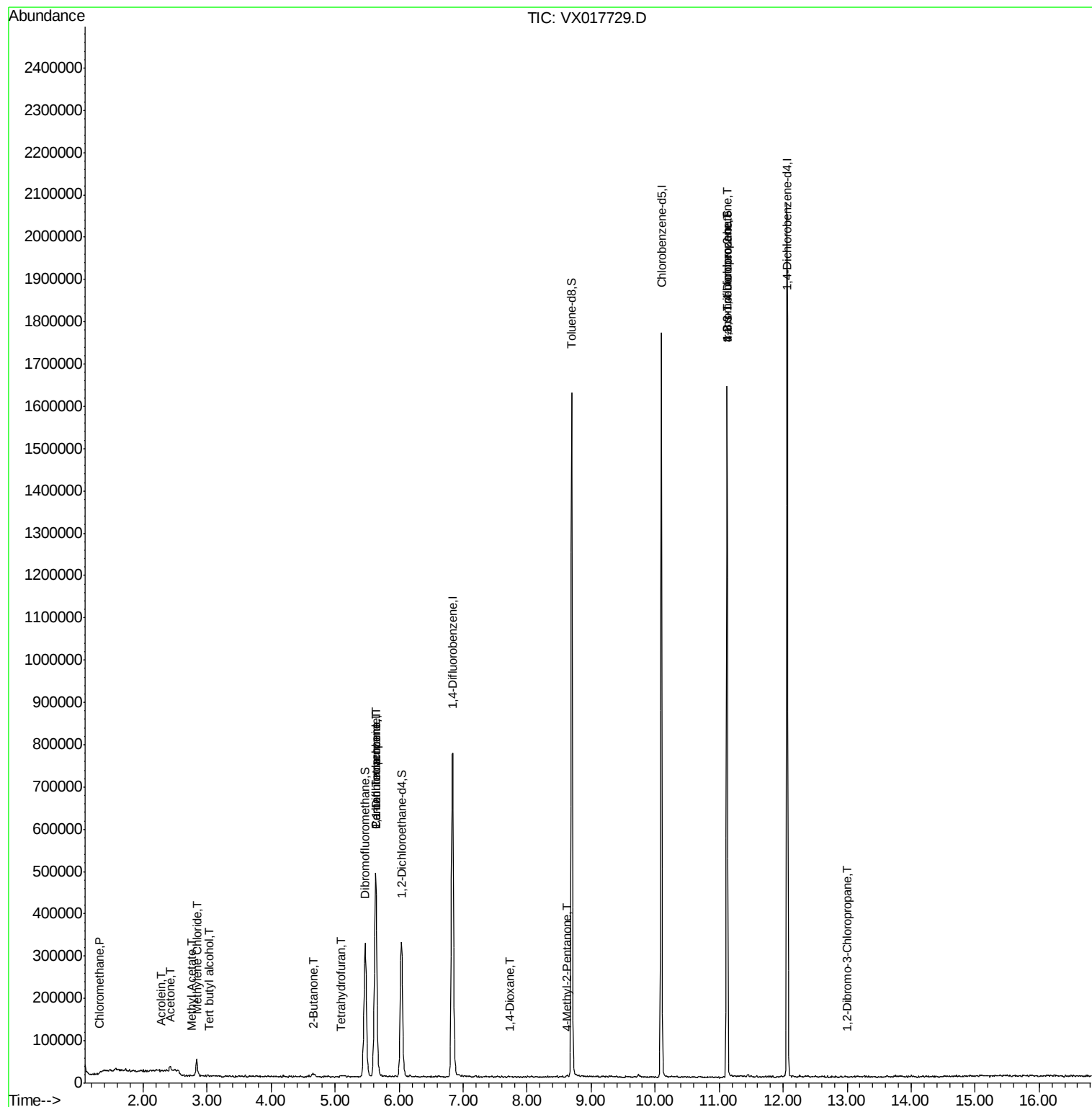
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	439	Below Cal	#	69
3) Chloromethane	1.31	50	1276	0.595	ug/l	94
5) Bromomethane	1.62	94	160	Below Cal	#	22
6) Chloroethane	1.70	64	179	Below Cal	#	44
8) Diethyl Ether	2.17	74	824	Below Cal		95
11) Tert butyl alcohol	3.03	59	781	0.643	ug/l #	85
13) Acrolein	2.27	56	331	4.499	ug/l #	14
16) Acetone	2.42	43	13715	5.405	ug/l	99
18) Methyl Acetate	2.75	43	1669	0.279	ug/l	98
20) Methylene Chloride	2.84	84	19513	2.873	ug/l	92
25) 2-Butanone	4.65	43	2851	0.791	ug/l #	39
29) Tetrahydrofuran	5.09	42	1536	0.688	ug/l #	33
36) 1,1-Dichloropropene	5.63	75	34782	4.781	ug/l #	53
38) Carbon Tetrachloride	5.64	117	46203	5.230	ug/l #	18
49) 1,4-Dioxane	7.73	88	30	0.240	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3398	0.434	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	208291	23.574	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	208291	59.401	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.00	75	368	2.711	ug/l #	13

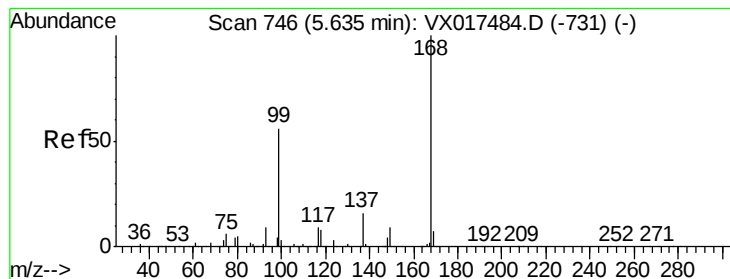
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

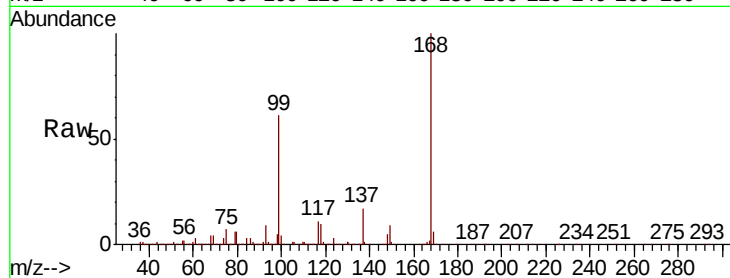
PB130661ZHE#25

Tot Ion:168 Resp: 448805

Ion Ratio Lower Upper

168 100

99 60.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

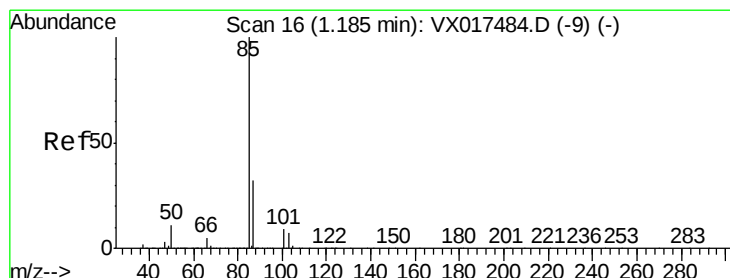
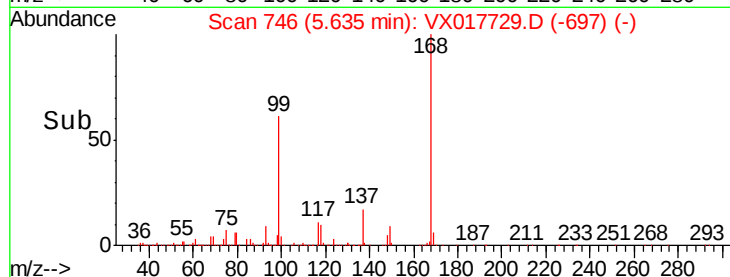
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.17 min Scan# 13

Delta R.T. -0.02 min

Lab File: VX017729.D

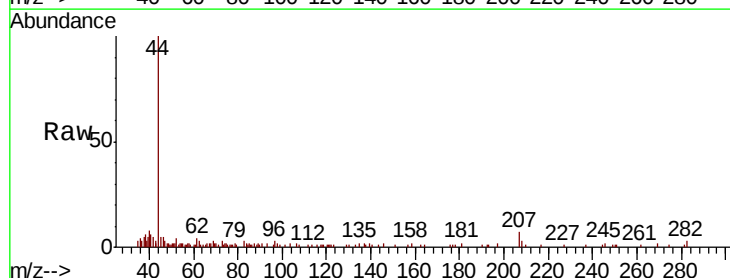
Acq: 01 Aug 2020 02:53

Tgt Ion: 85 Resp: 439

Ion Ratio Lower Upper

85 100

87 14.7 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

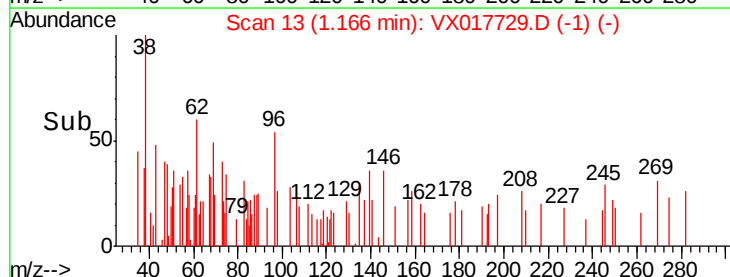
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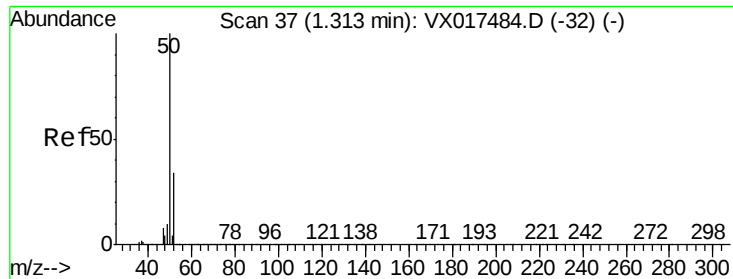
200

100

0

Time-->





#3

Chloromethane

Concen: 0.595 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

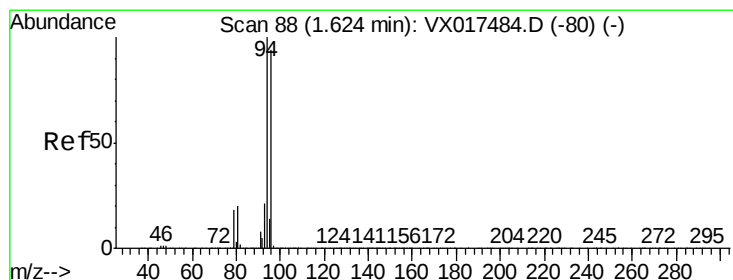
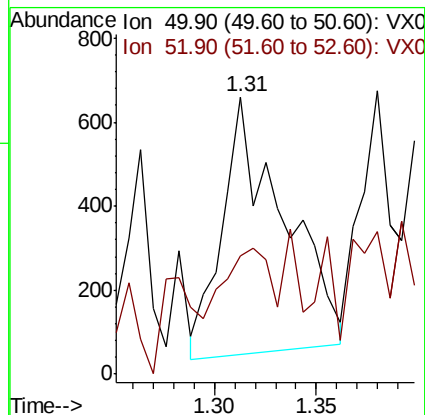
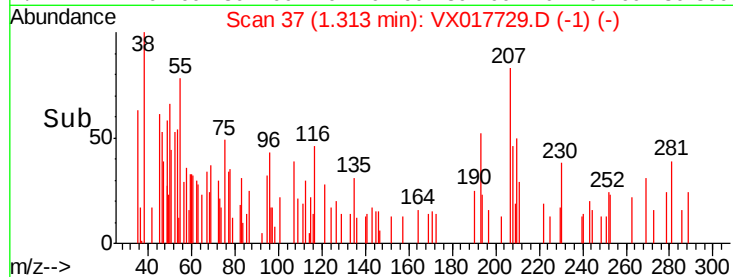
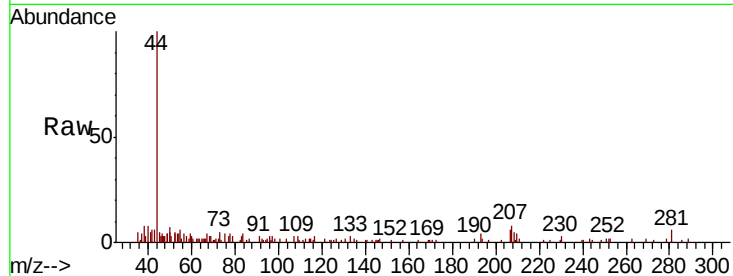
PB130661ZHE#25

Tot Ion: 50 Resp: 1276

Ion Ratio Lower Upper

50 100

52 35.6 25.9 38.9



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017729.D

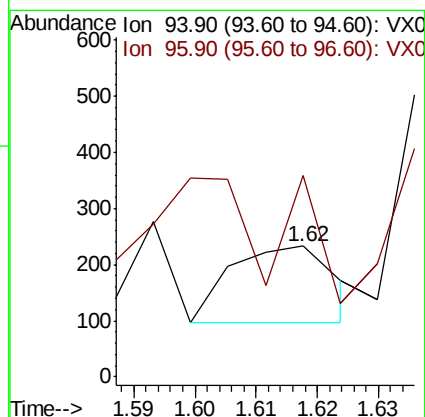
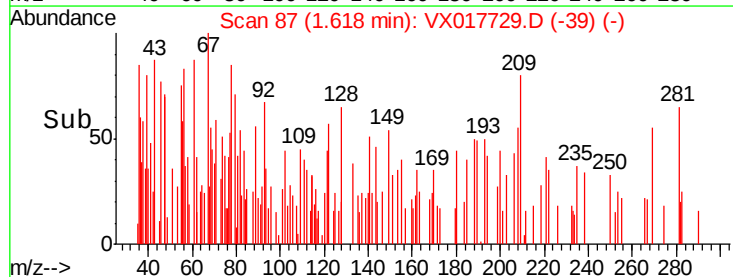
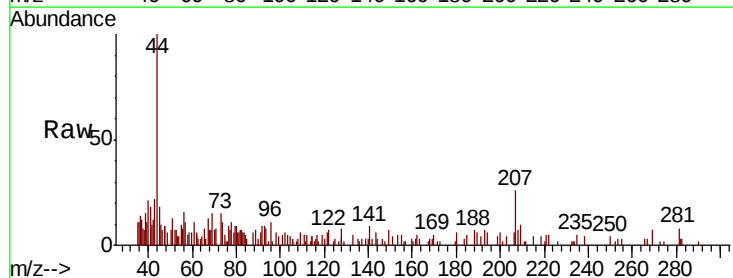
Acq: 01 Aug 2020 02:53

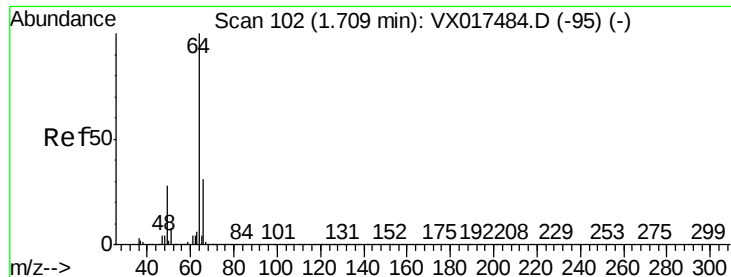
Tgt Ion: 94 Resp: 160

Ion Ratio Lower Upper

94 100

96 167.6 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

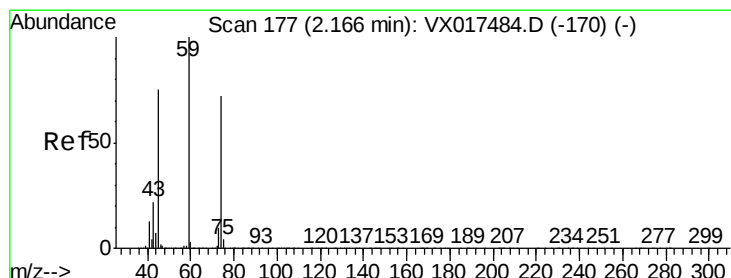
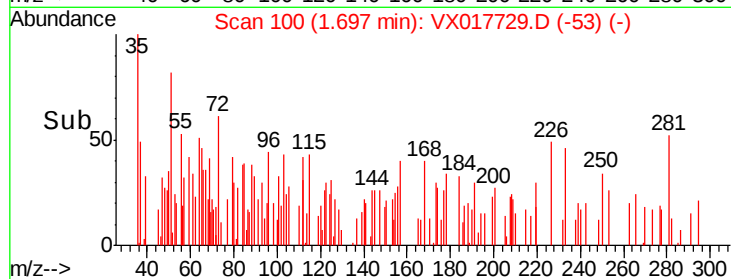
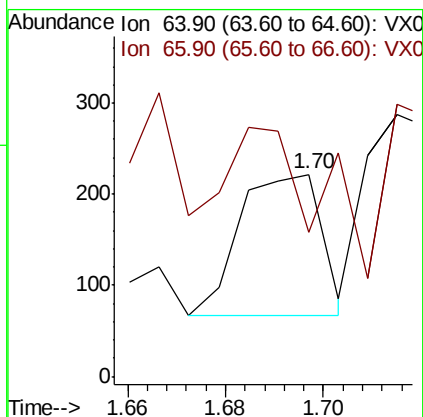
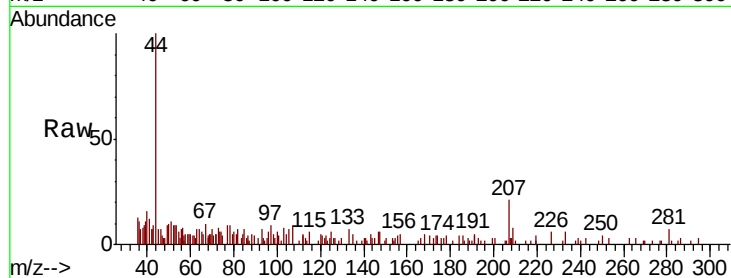
PB130661ZHE#25

Tot Ion: 64 Resp: 179

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017729.D

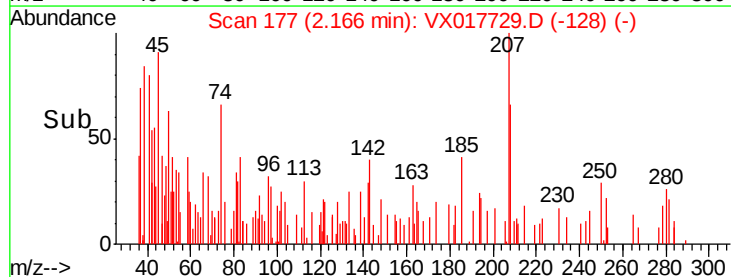
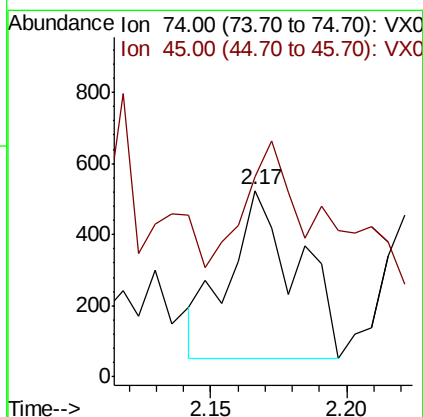
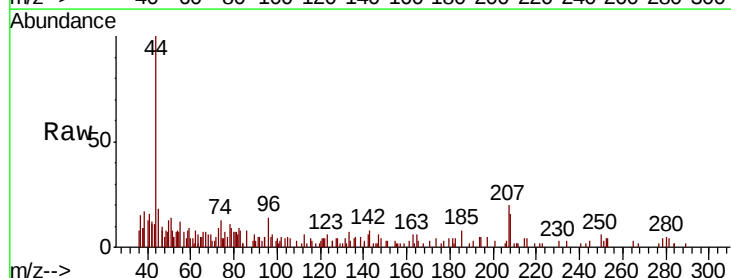
Acq: 01 Aug 2020 02:53

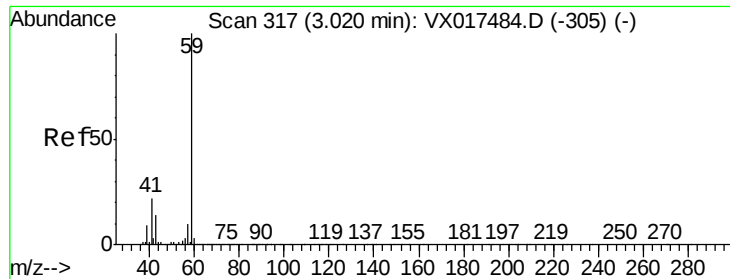
Tgt Ion: 74 Resp: 824

Ion Ratio Lower Upper

74 100

45 96.8 50.8 152.5



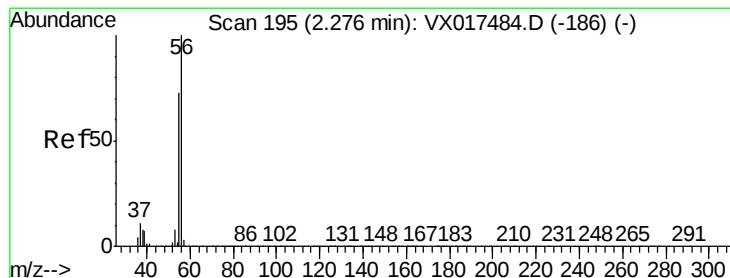
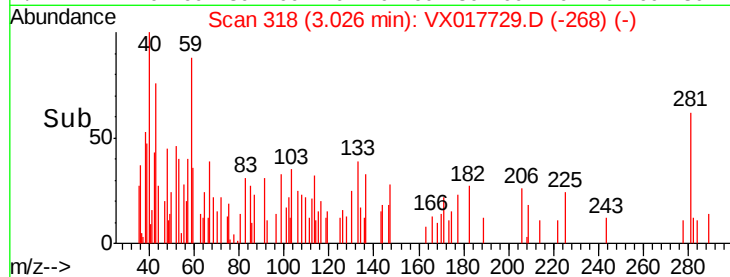
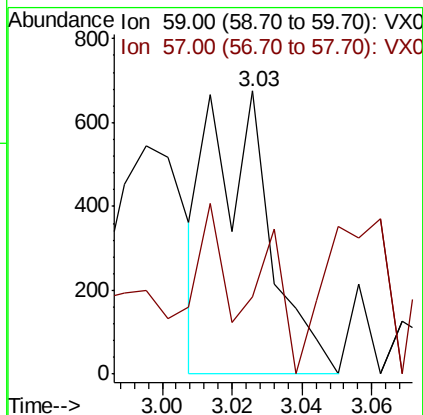
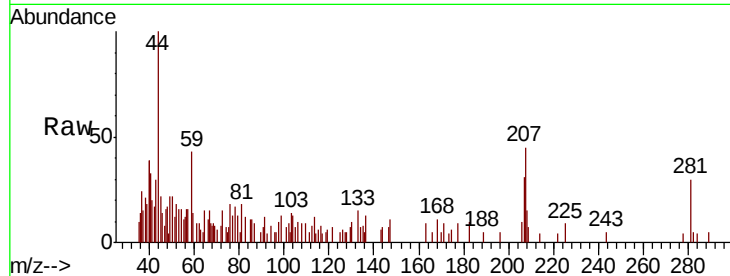


#11

Tert butyl alcohol
 Concen: 0.643 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX017729.D
 Acq: 01 Aug 2020 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#25

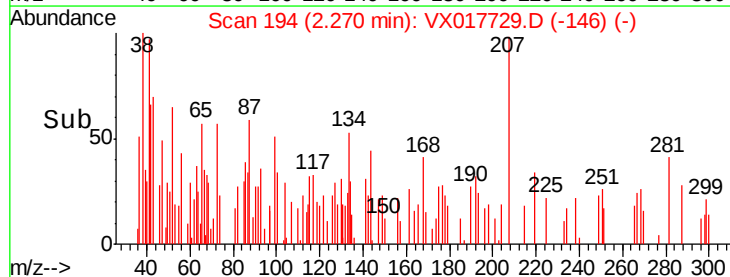
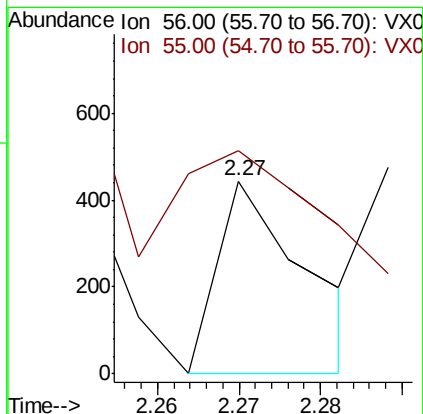
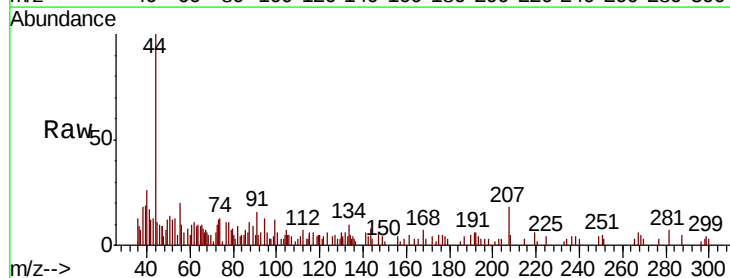
Tot Ion: 59 Resp: 781
 Ion Ratio Lower Upper
 59 100
 57 16.3 8.6 12.8#

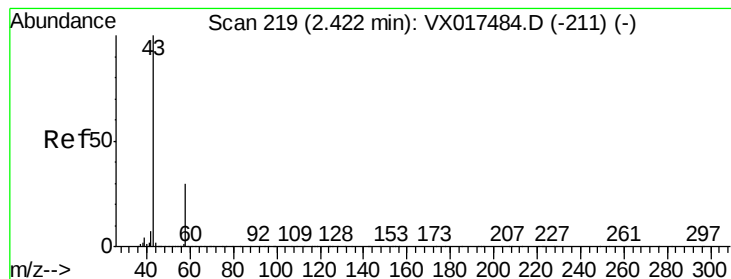


#13

Acrolein
 Concen: 4.499 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX017729.D
 Acq: 01 Aug 2020 02:53

Tgt Ion: 56 Resp: 331
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.2#





#16

Acetone

Concen: 5.405 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

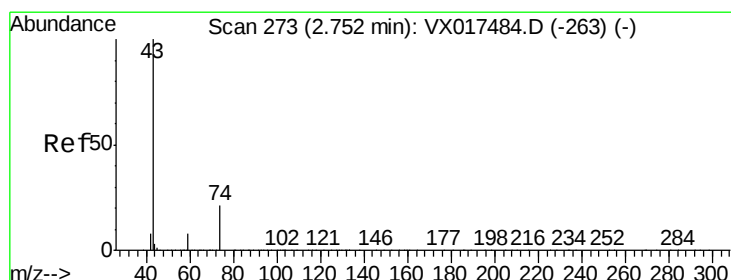
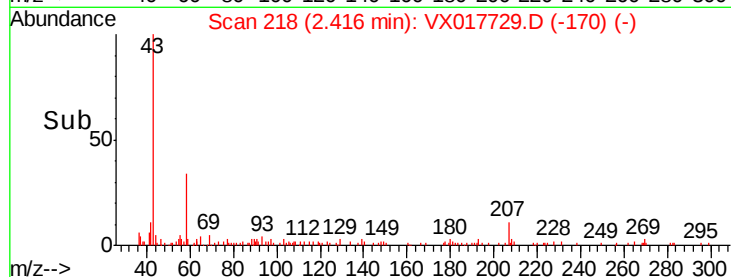
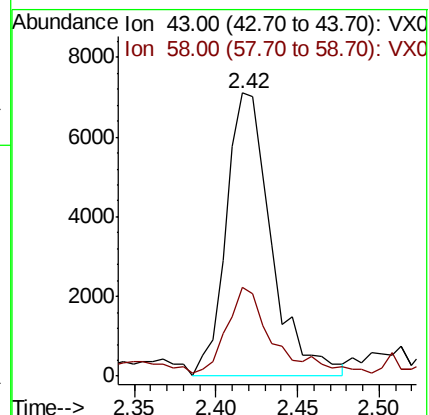
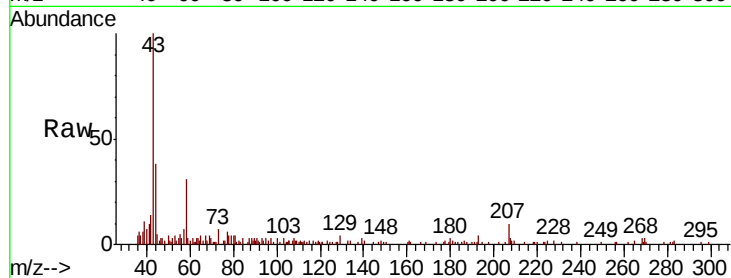
PB130661ZHE#25

Tot Ion: 43 Resp: 13715

Ion Ratio Lower Upper

43 100

58 29.9 24.2 36.4



#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017729.D

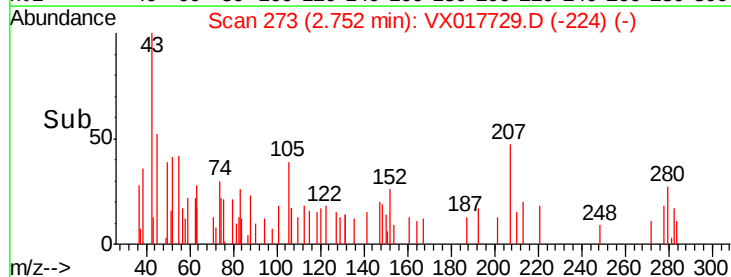
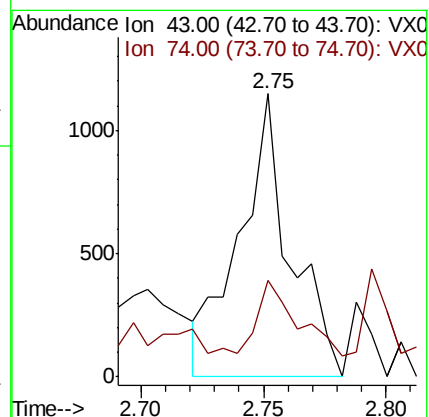
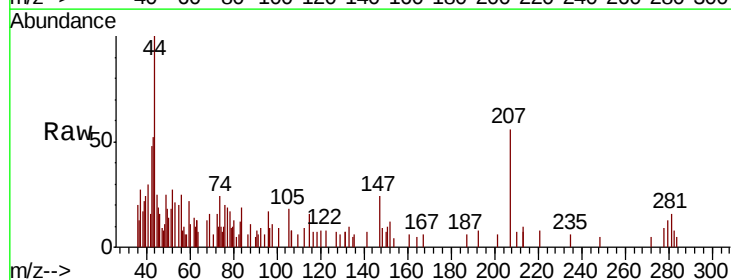
Acq: 01 Aug 2020 02:53

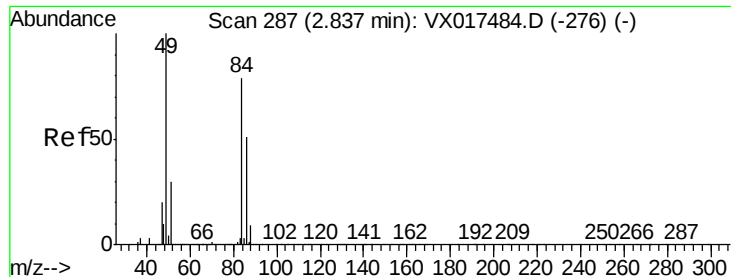
Tgt Ion: 43 Resp: 1669

Ion Ratio Lower Upper

43 100

74 20.7 17.5 26.3

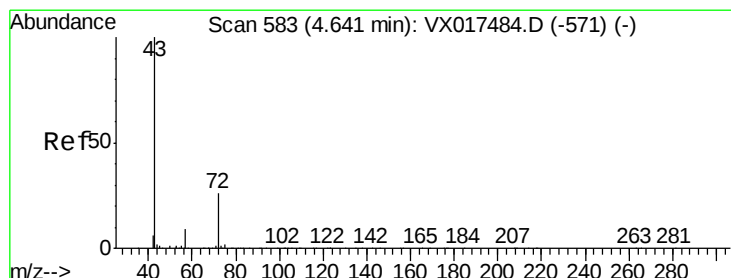
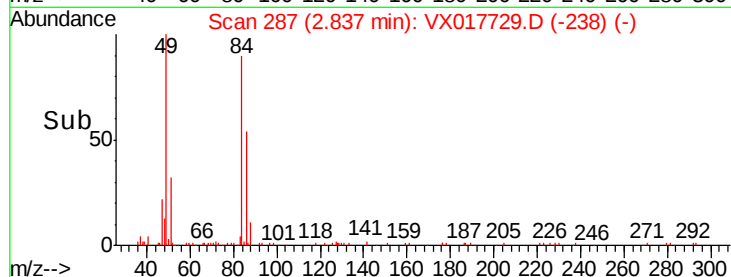
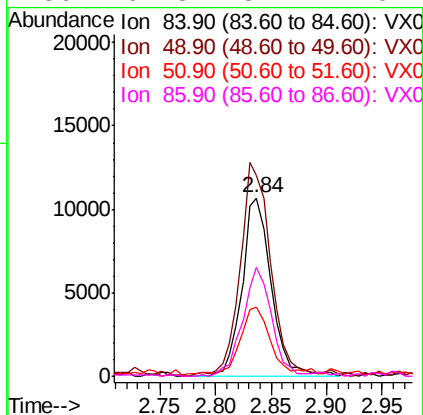
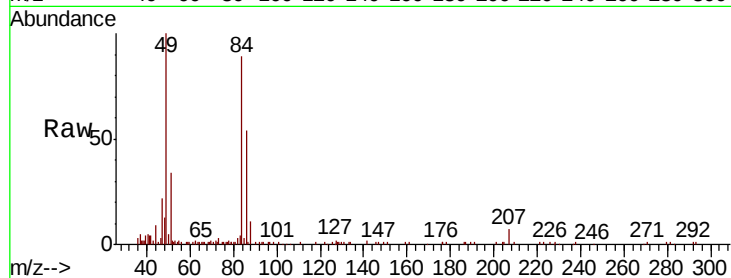




#20
Methvlene Chloride
Concen: 2.873 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017729.D
Acq: 01 Aug 2020 02:53

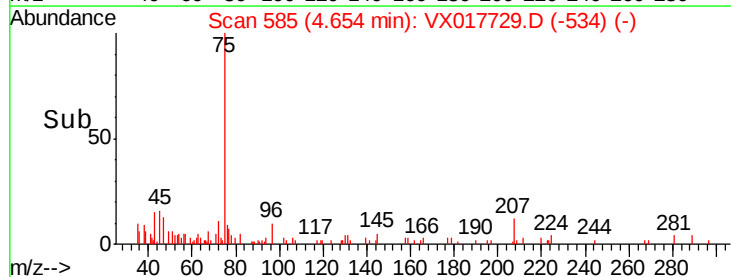
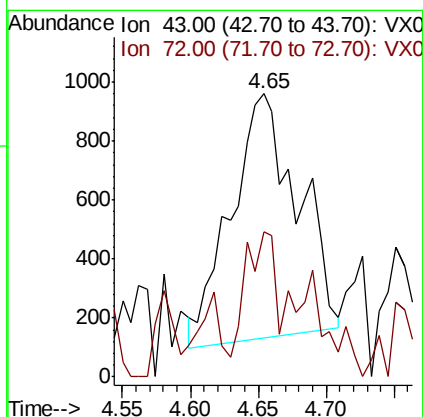
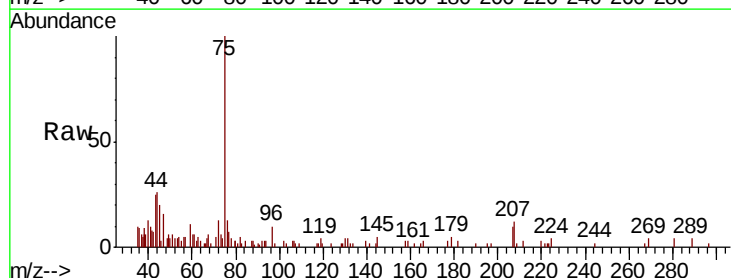
Instrument :
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ClientSampleId :
PB130661ZHE#25

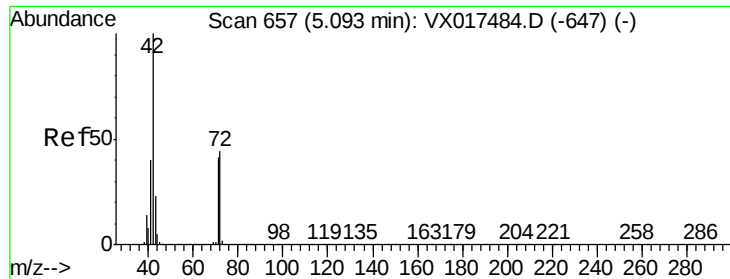
Tot Ion:	84	Resp:	19513
Ion	Ratio	Lower	Upper
84	100		
49	112.7	100.3	150.5
51	35.6	30.5	45.7
86	61.3	51.1	76.7



#25
2-Butanone
Concen: 0.791 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017729.D
Acq: 01 Aug 2020 02:53

Tgt Ion:	43	Resp:	2851
Ion	Ratio	Lower	Upper
43	100		
72	53.8	19.0	28.4#





#29

Tetrahydrofuran

Concen: 0.688 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#25

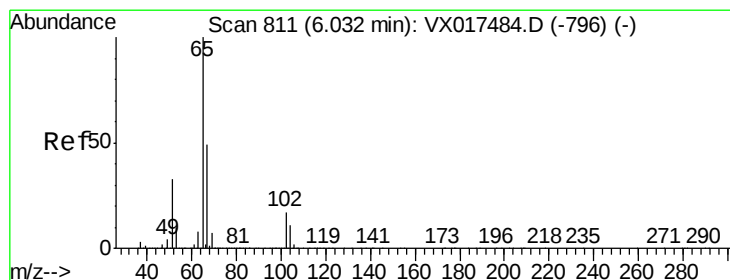
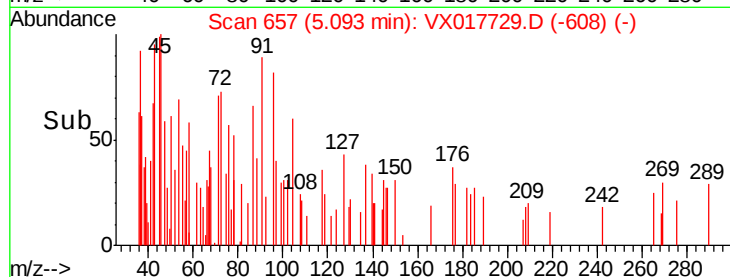
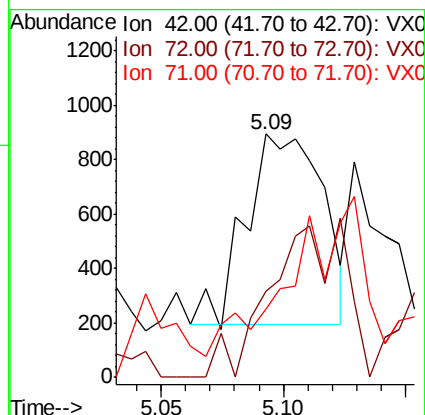
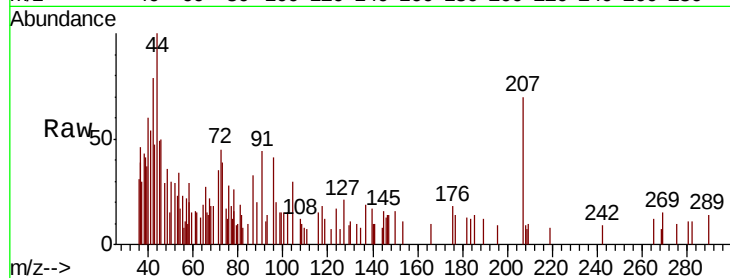
Tot Ion: 42 Resp: 1536

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 0.0 33.0 49.4#



#33

1,2-Dichloroethane-d4

Concen: 55.706 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017729.D

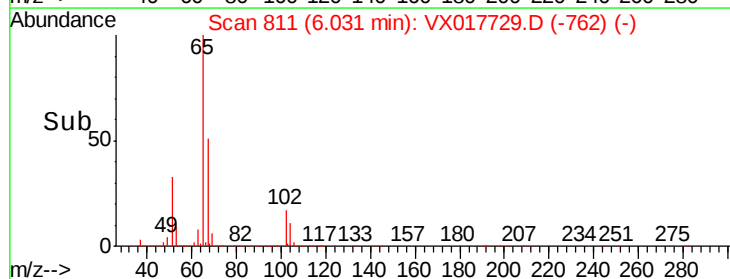
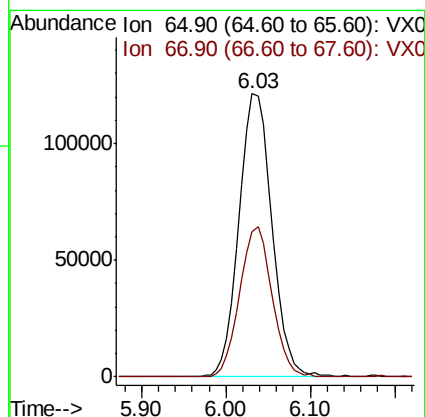
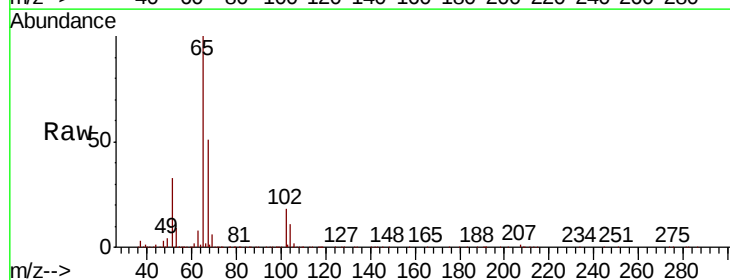
Acq: 01 Aug 2020 02:53

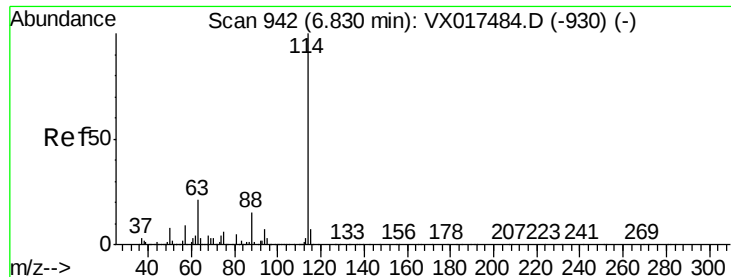
Tgt Ion: 65 Resp: 321150

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#25

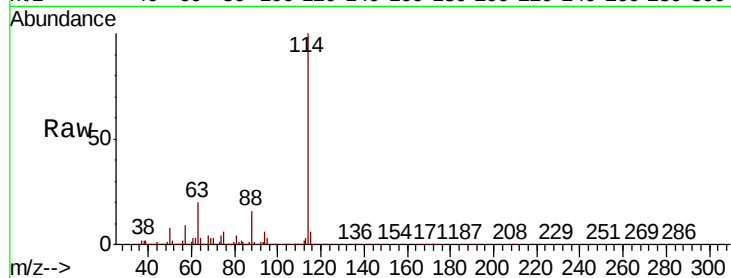
Tot Ion:114 Resp: 758530

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

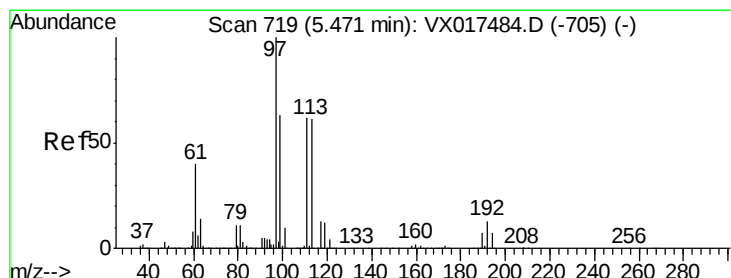
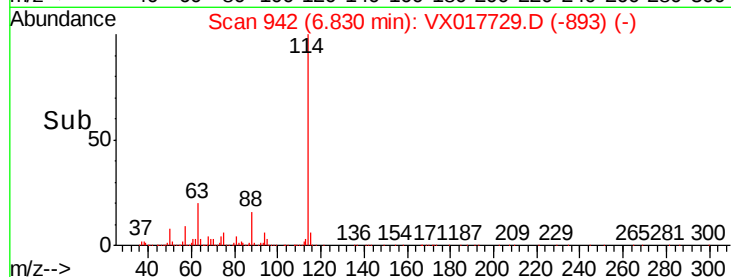
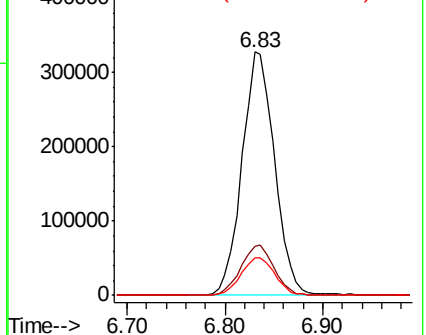
88 15.6 0.0 33.4



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: 52.821 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

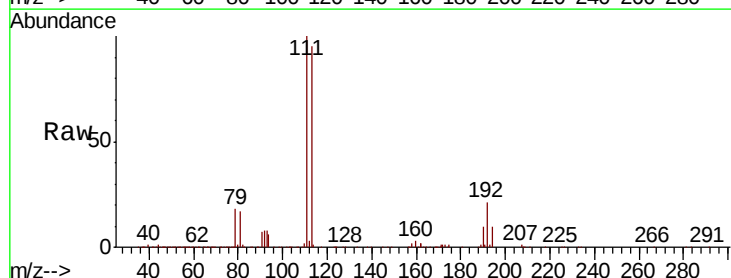
Tgt Ion:113 Resp: 267967

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

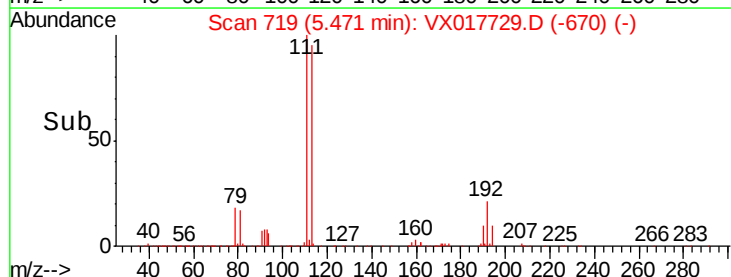
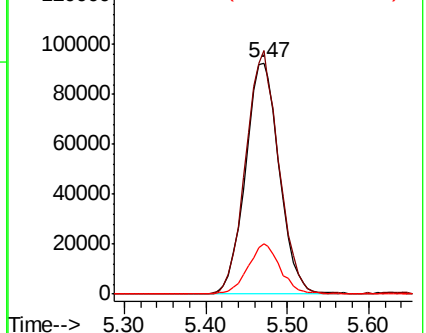
192 21.0 16.9 25.3

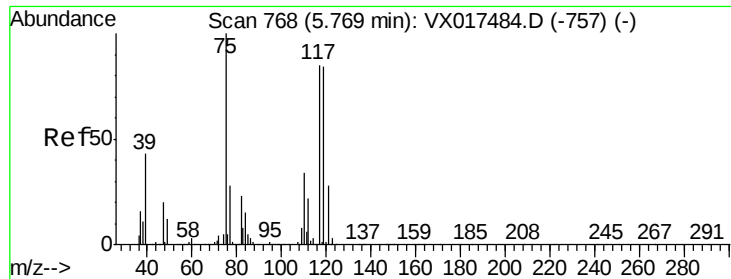


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#25

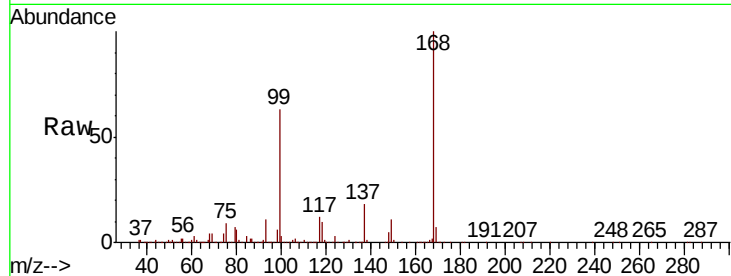
Tot Ion: 75 Resp: 34782

Ion Ratio Lower Upper

75 100

110 12.9 18.1 54.3#

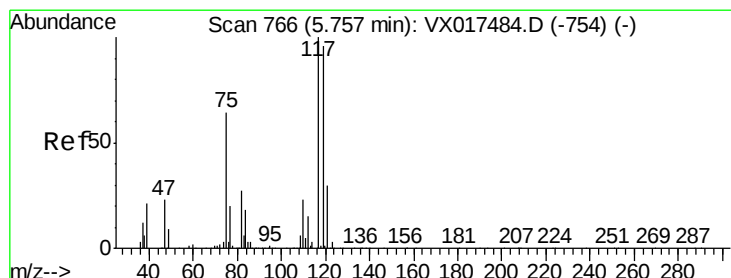
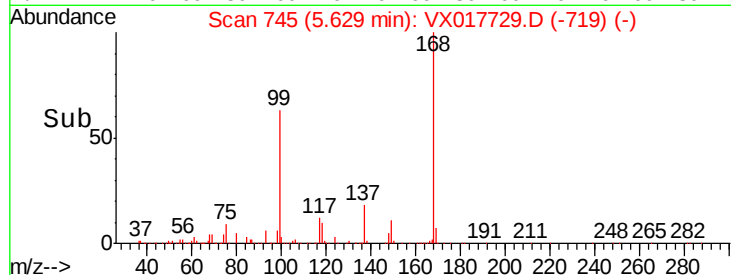
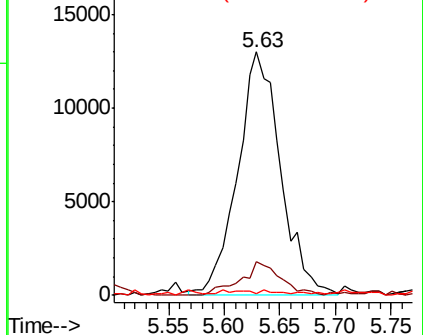
77 0.5 24.6 37.0#



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: 5.230 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

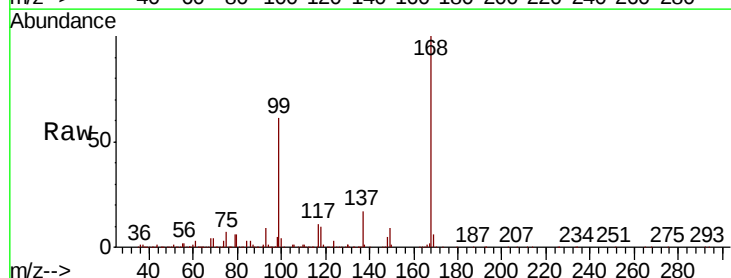
Tgt Ion: 117 Resp: 46203

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

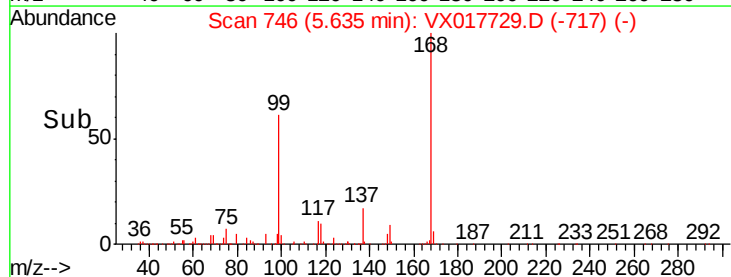
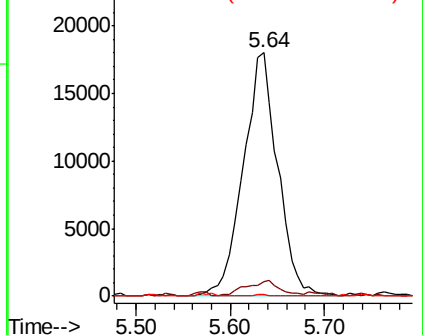
121 0.7 24.3 36.5#

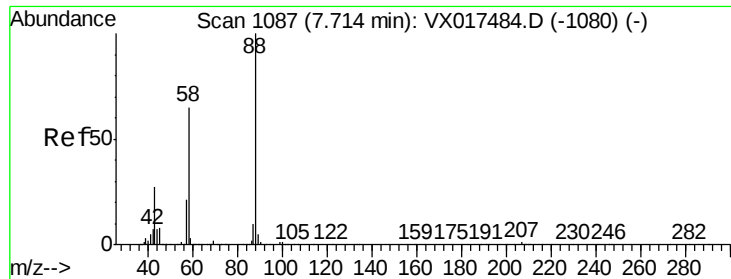


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.240 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#25

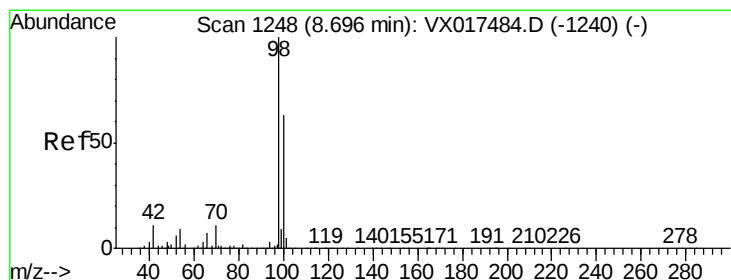
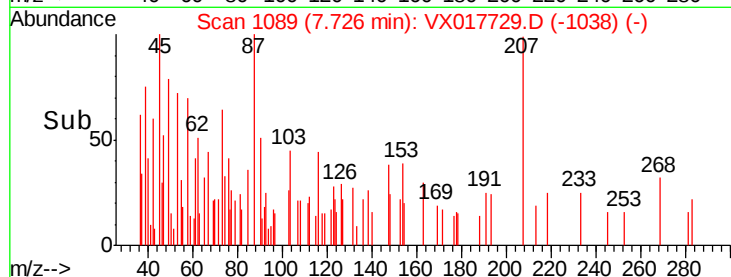
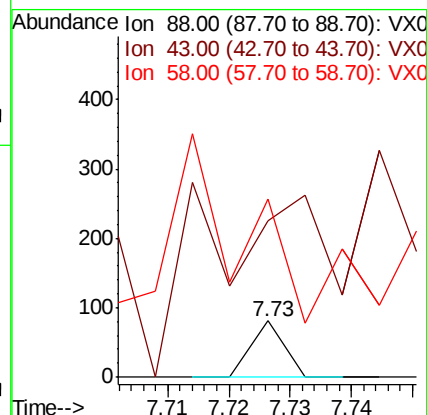
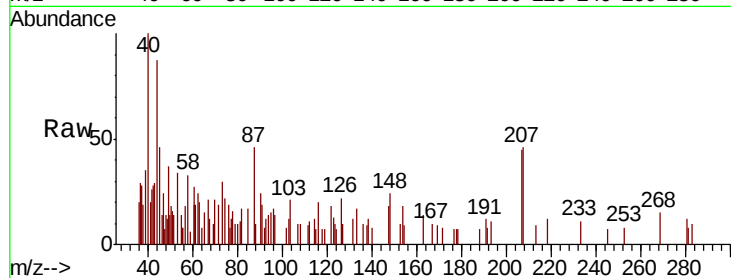
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 1243.3 27.8 41.6#

58 1153.3 58.3 87.5#



#50

Toluene-d8

Concen: 51.448 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017729.D

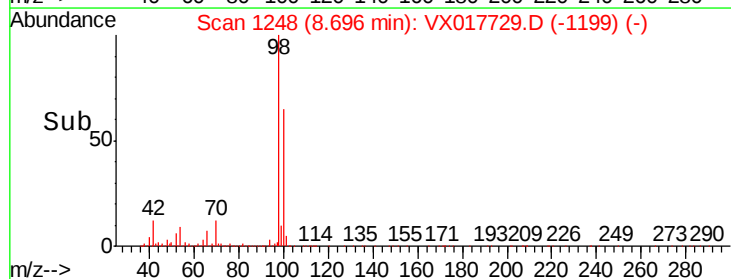
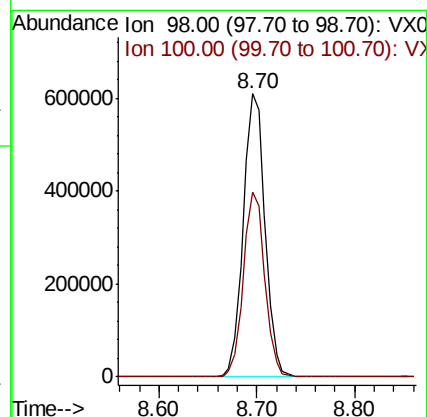
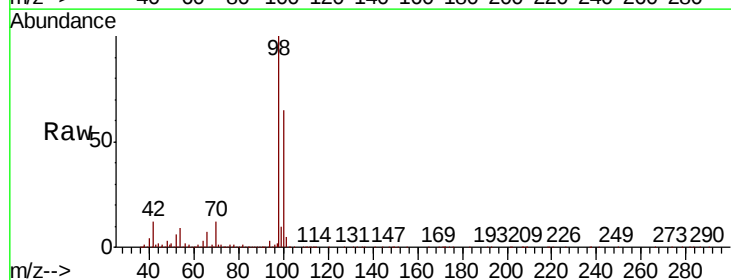
Acq: 01 Aug 2020 02:53

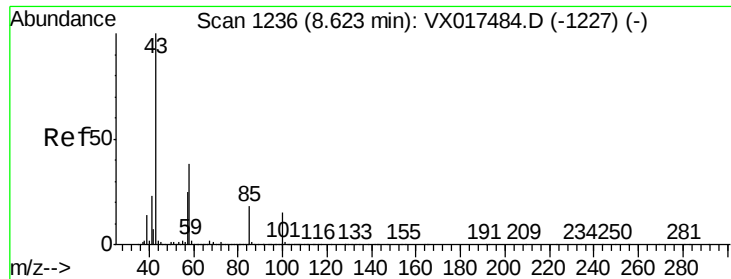
Tgt Ion: 98 Resp: 941561

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.434 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

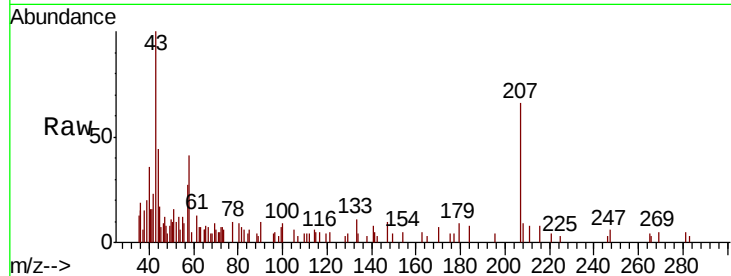
PB130661ZHE#25

Tot Ion: 43 Resp: 3398

Ion Ratio Lower Upper

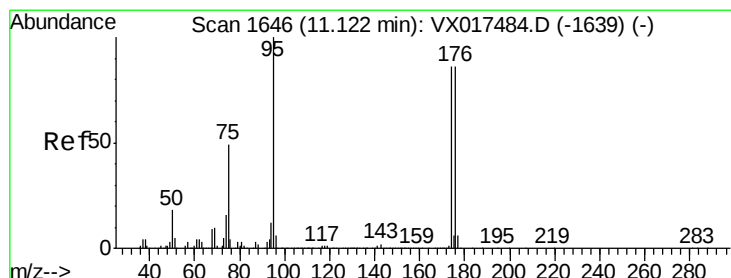
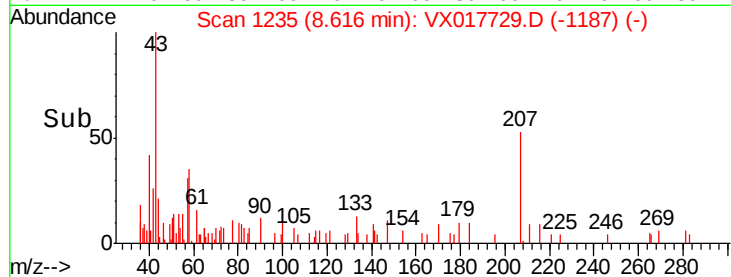
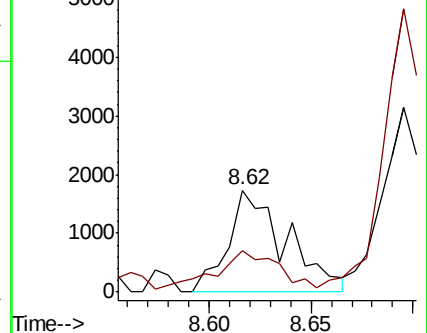
43 100

58 36.5 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.412 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

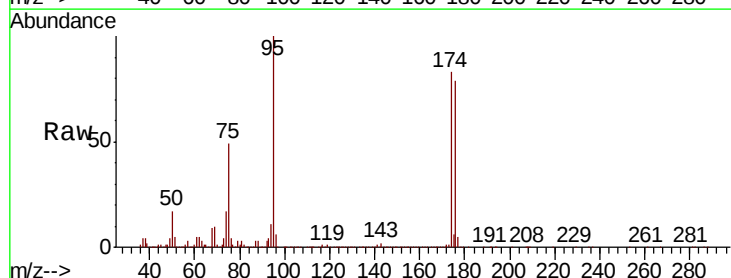
Tgt Ion: 95 Resp: 405847

Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.0

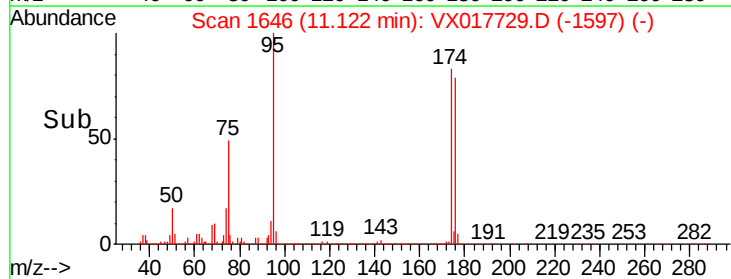
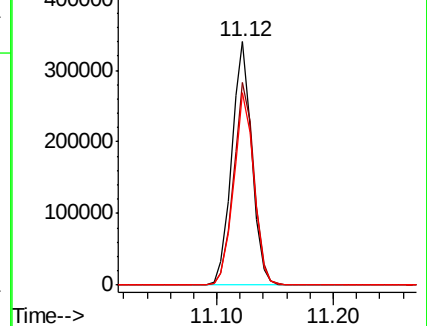
176 80.2 0.0 161.0

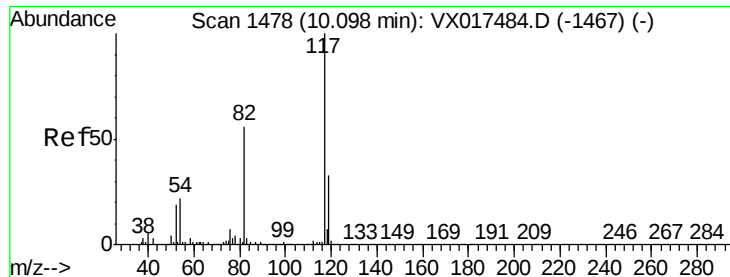


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

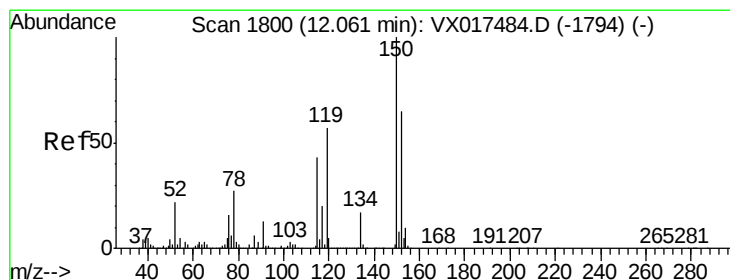
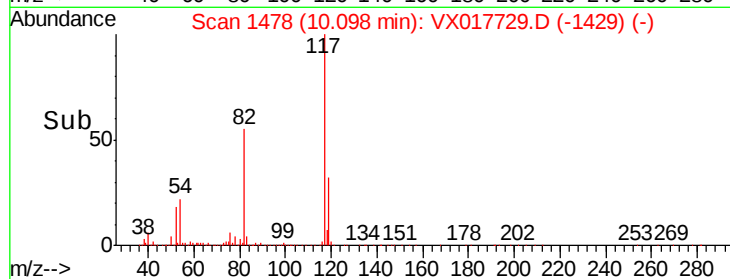
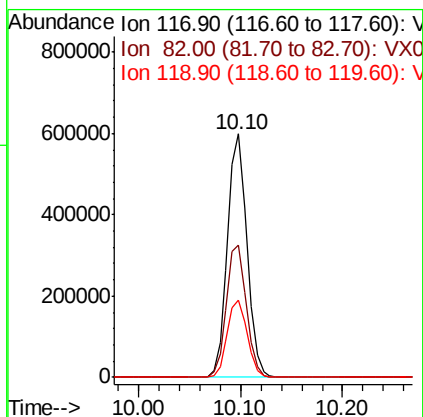
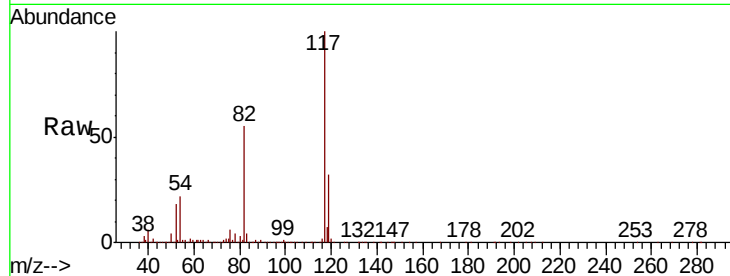




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017729.D
Acq: 01 Aug 2020 02:53

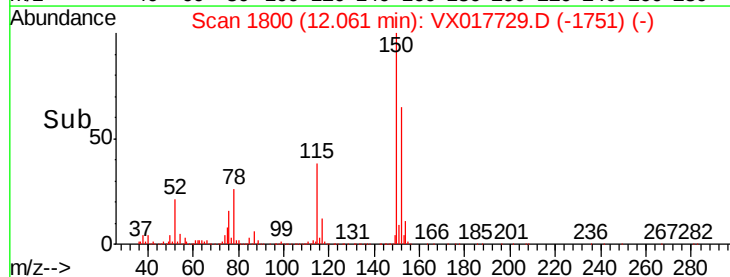
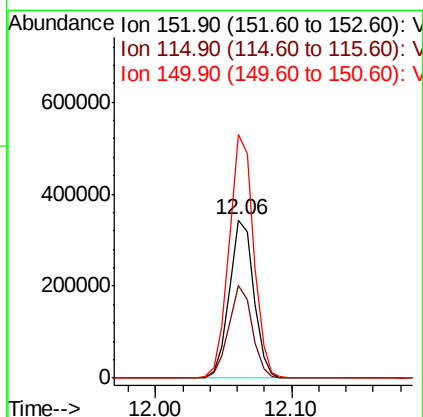
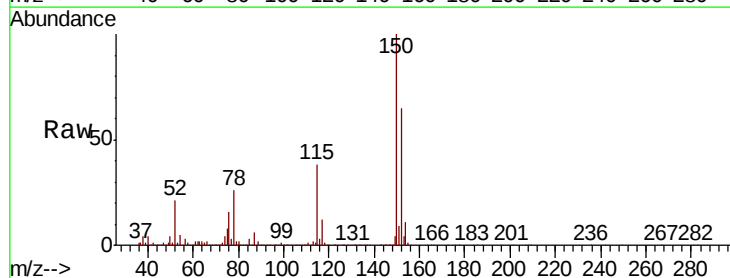
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#25

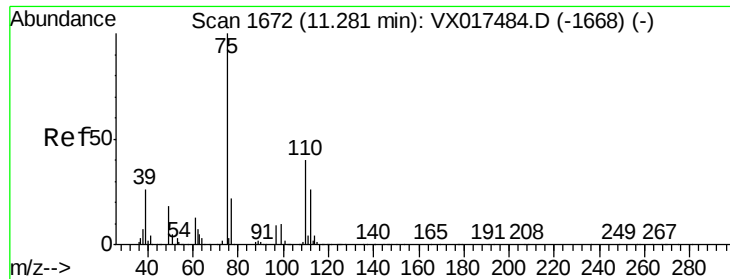
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.0	66.0
119	31.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017729.D
Acq: 01 Aug 2020 02:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	65.5	196.6#
150	153.9	0.0	412.6

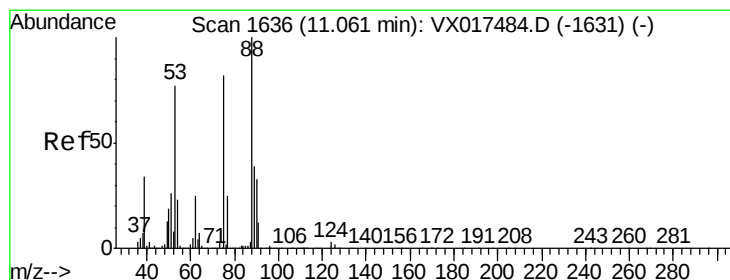
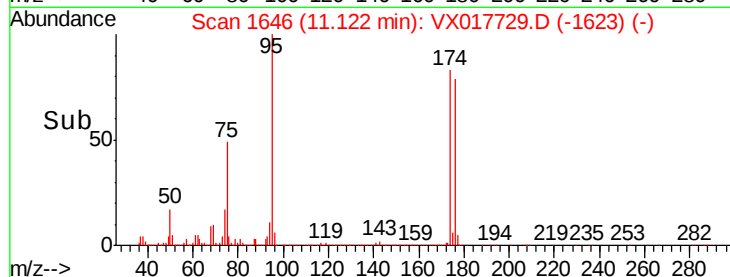
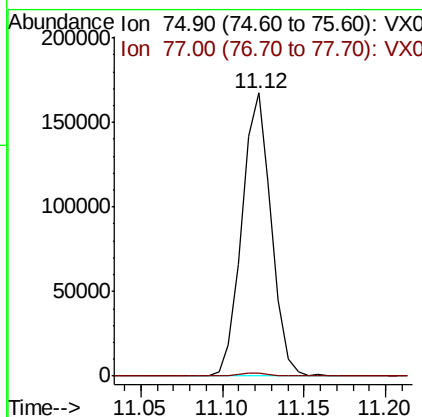
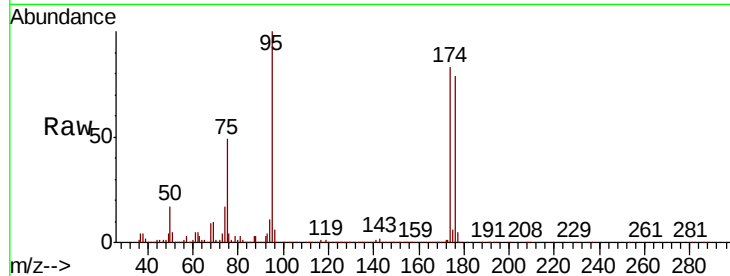




#76
 1,2,3-Trichloropropane
 Concen: 23.574 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017729.D
 Acq: 01 Aug 2020 02:53

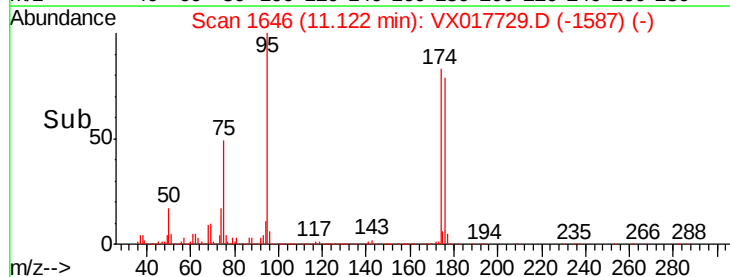
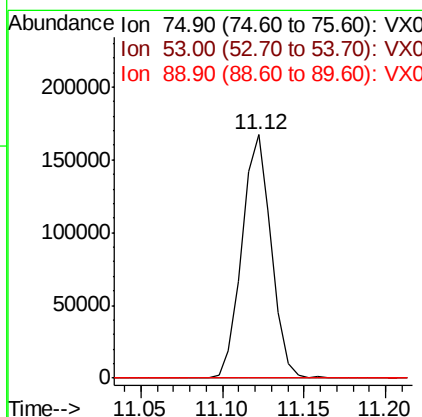
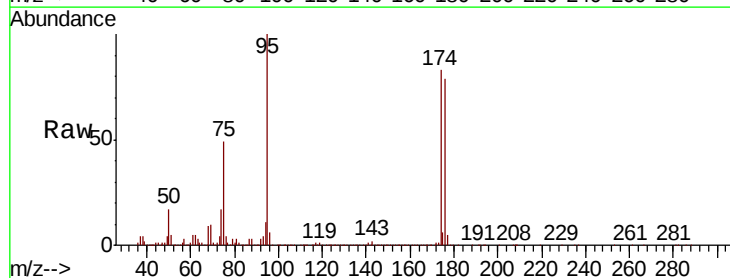
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#25

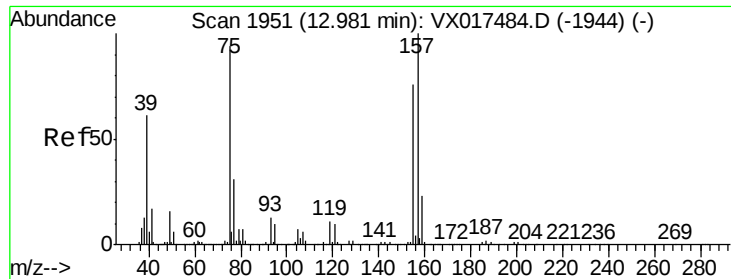
Tot Ion: 75 Resp: 208291
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.401 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017729.D
 Acq: 01 Aug 2020 02:53

Tgt Ion: 75 Resp: 208291
 Ion Ratio Lower Upper
 75 100
 53 0.4 75.9 113.9#
 89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.711 ug/l

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX017729.D

Acq: 01 Aug 2020 02:53

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#25

Tot Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

155 25.0 42.3 126.8#

157 0.0 54.3 162.9#

