

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\
 Data File : VX017573.D
 Acq On : 25 Jul 2020 06:07
 Operator : JC/SP
 Sample : PB130430ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#09

Quant Time: Jul 25 06:51:26 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	501257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	849534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	933353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	500216	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	350124	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	5.47	113	290140	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	8.70	98	1087271	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.12	95	481068	58.65	ug/l	0.00
Spiked Amount			Recovery	=	117.30%	

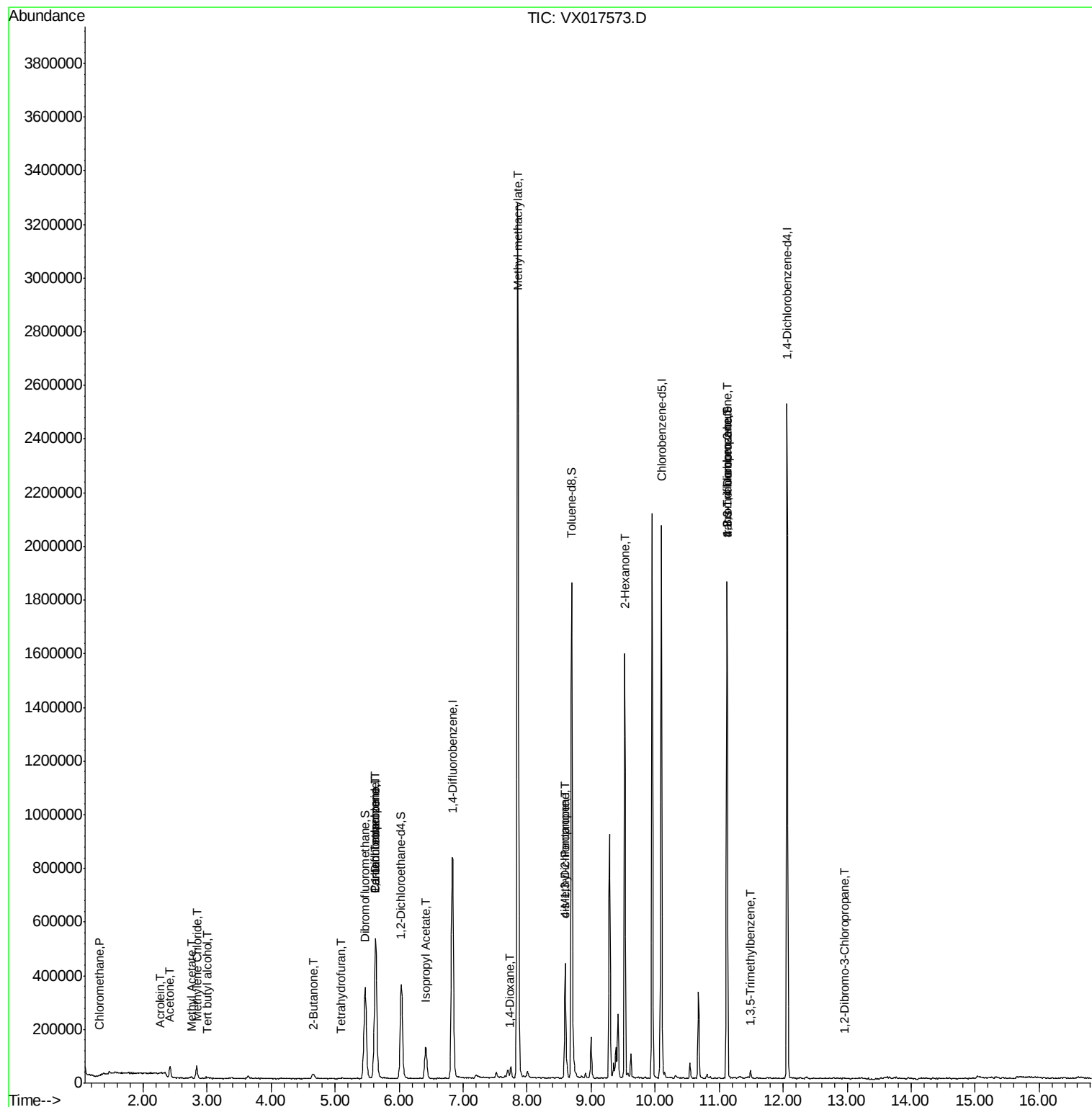
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	304	Below Cal	#	42
3) Chloromethane	1.32	50	479	0.444	ug/l #	1
5) Bromomethane	1.65	94	841	Below Cal	#	3
6) Chloroethane	1.71	64	173	Below Cal	#	44
8) Diethyl Ether	2.16	74	1419	Below Cal		60
11) Tert butyl alcohol	3.00	59	2704	1.993	ug/l	97
13) Acrolein	2.26	56	576	4.695	ug/l #	14
16) Acetone	2.42	43	47164	16.642	ug/l	97
18) Methyl Acetate	2.76	43	6761	1.013	ug/l #	85
20) Methylene Chloride	2.84	84	21302	2.778	ug/l	94
25) 2-Butanone	4.65	43	9984	2.480	ug/l	91
29) Tetrahydrofuran	5.09	42	1635	0.656	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	34589	4.245	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48286	4.880	ug/l #	17
43) Isopropyl Acetate	6.42	43	167971	11.420	ug/l	99
48) Methyl methacrylate	7.85	41	281405	38.595	ug/l #	44
49) 1,4-Dioxane	7.73	88	129	0.923	ug/l #	22
51) 4-Methyl-2-Pentanone	8.59	43	169480	19.311	ug/l #	54
54) cis-1,3-Dichloropropene	8.60	75	67599	6.429	ug/l #	60
59) 2-Hexanone	9.52	43	180602	27.332	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	241625	23.482	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.49	105	12901	0.440	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	241625	59.170	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	361	2.690	ug/l #	9

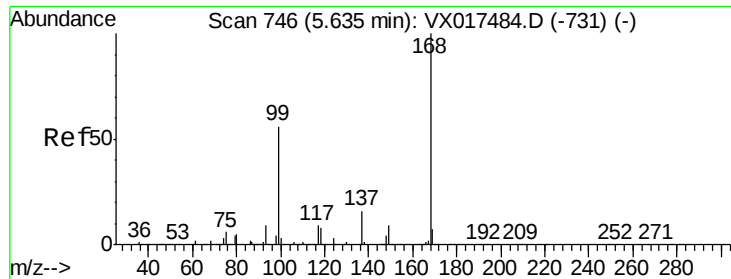
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
Data File : VX017573.D
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Quant Time: Jul 25 06:51:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

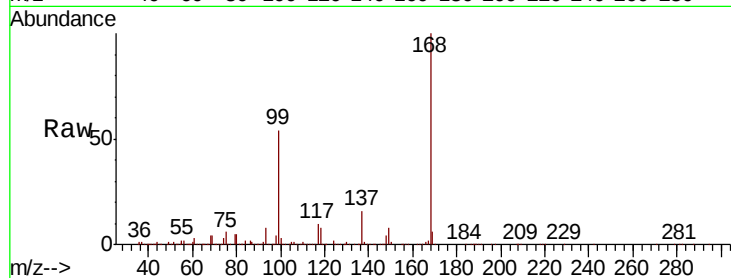
PB130430ZHE#09

Tot Ion:168 Resp: 501257

Ion Ratio Lower Upper

168 100

99 54.4 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

200000

150000

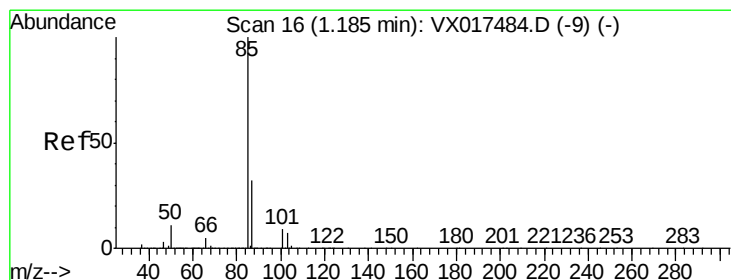
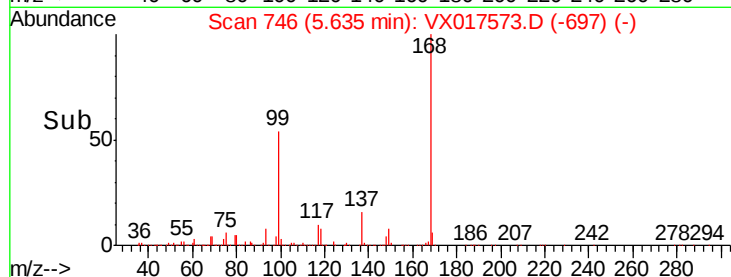
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017573.D

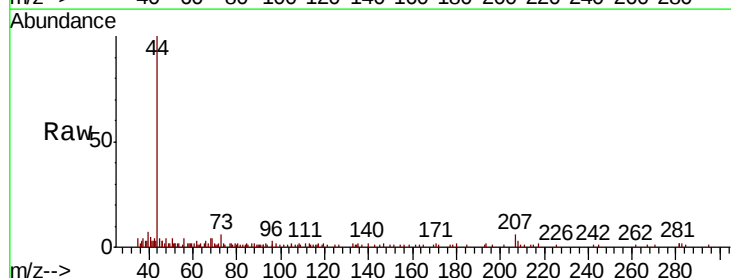
Acq: 25 Jul 2020 06:07

Tgt Ion: 85 Resp: 304

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

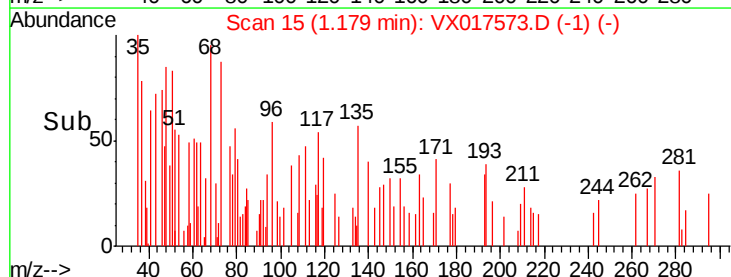
200

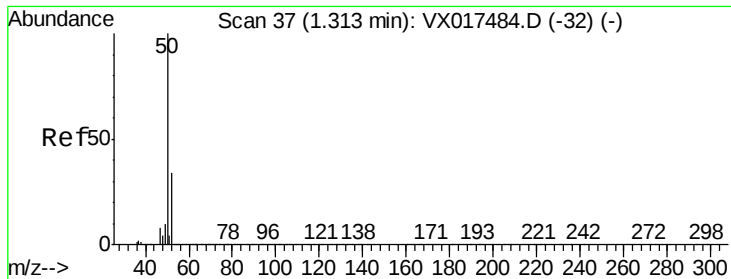
100

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.444 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

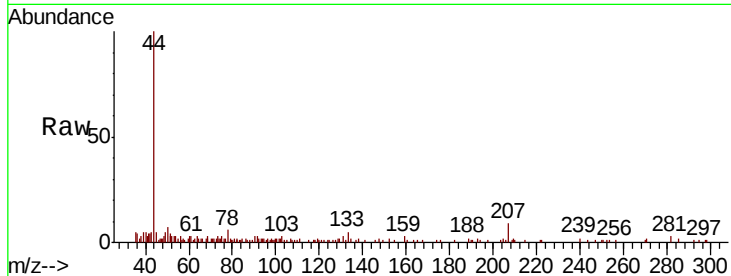
PB130430ZHE#09

Tot Ion: 50 Resp: 479

Ion Ratio Lower Upper

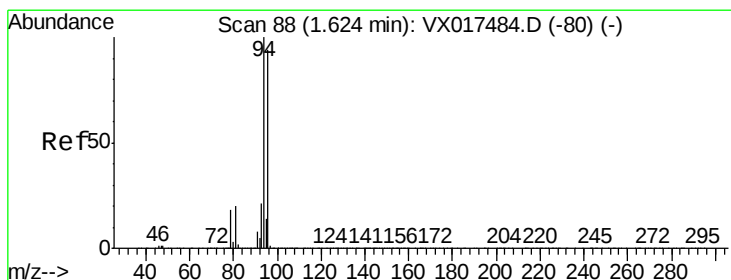
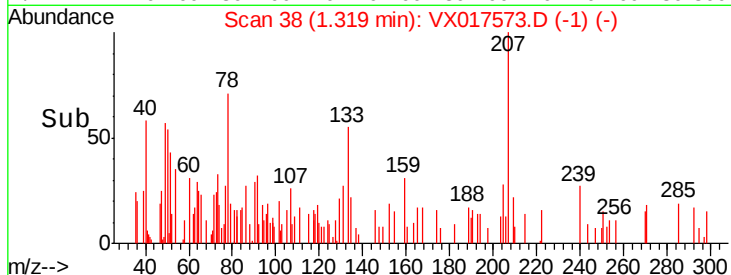
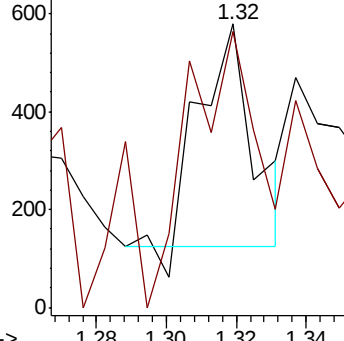
50 100

52 119.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017573.D

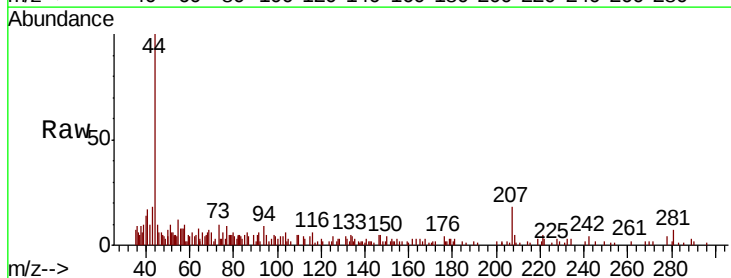
Acq: 25 Jul 2020 06:07

Tgt Ion: 94 Resp: 841

Ion Ratio Lower Upper

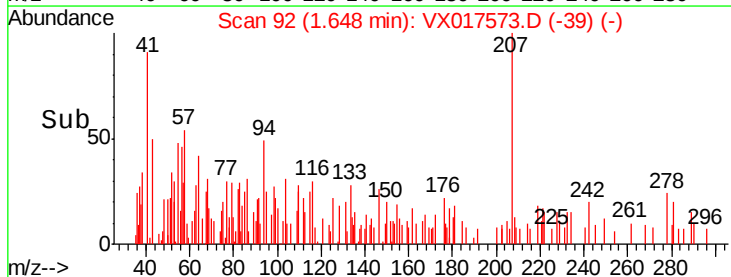
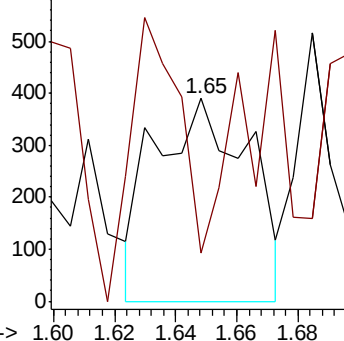
94 100

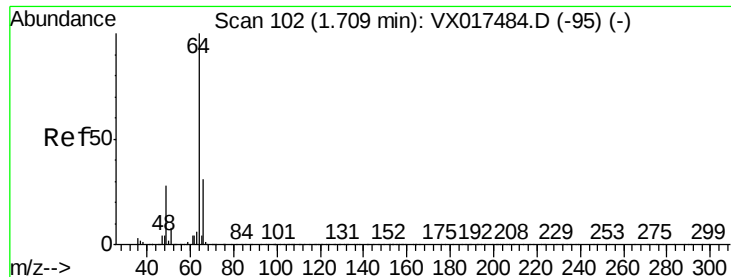
96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

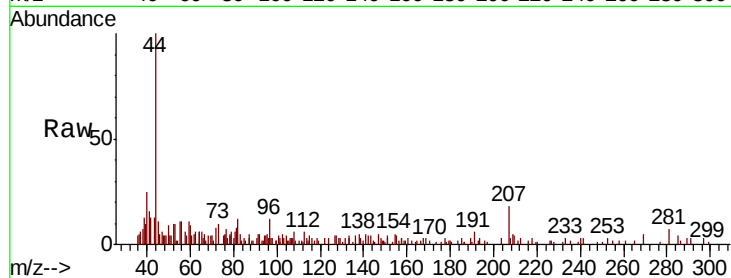
PB130430ZHE#09

Tot Ion: 64 Resp: 173

Ion Ratio Lower Upper

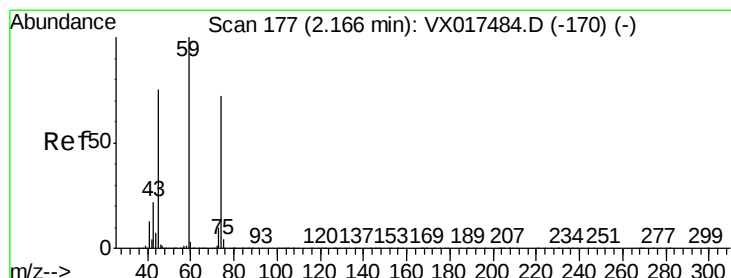
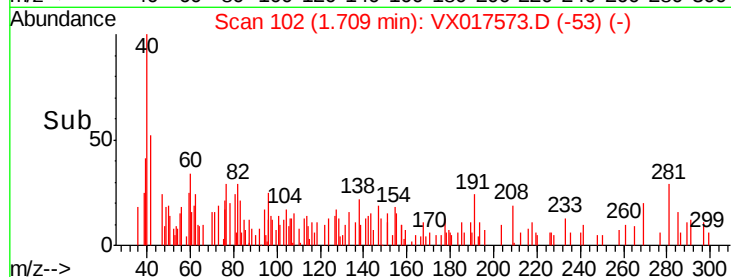
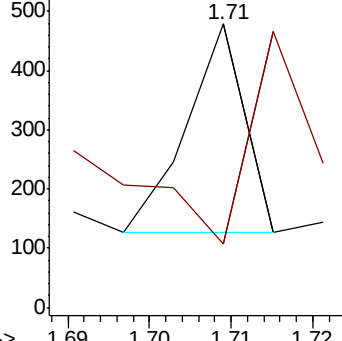
64 100

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: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017573.D

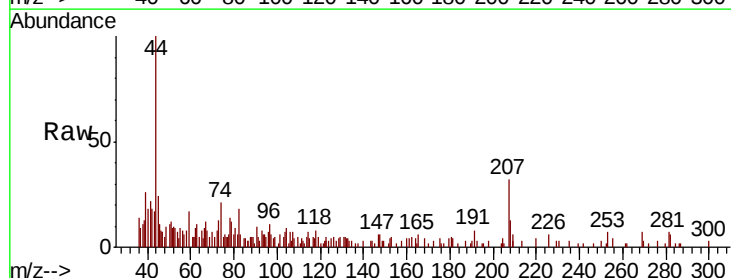
Acq: 25 Jul 2020 06:07

Tgt Ion: 74 Resp: 1419

Ion Ratio Lower Upper

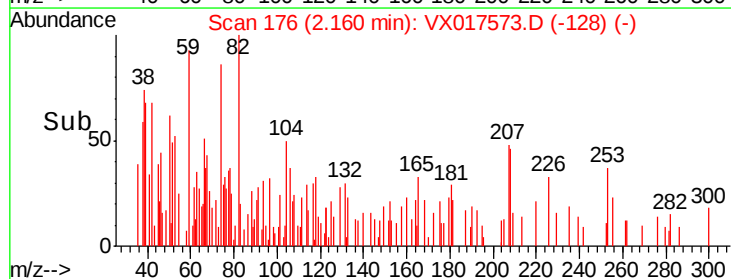
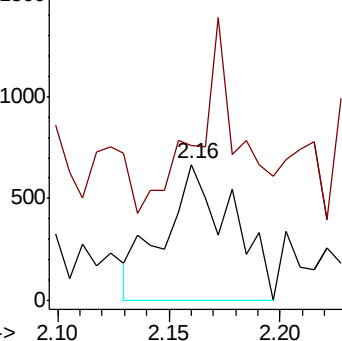
74 100

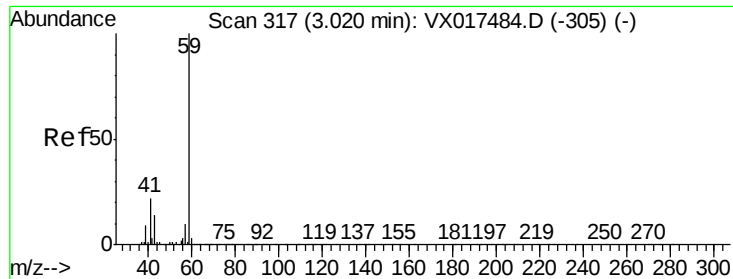
45 60.9 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



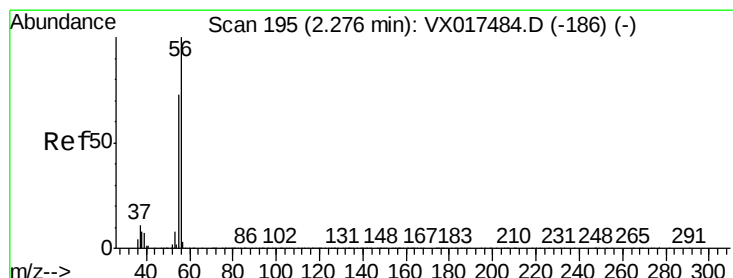
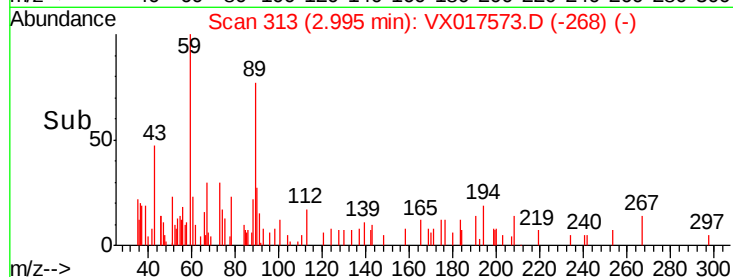
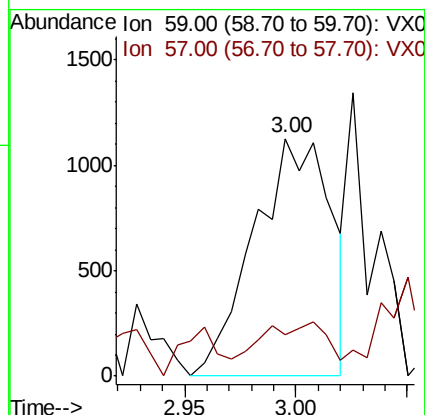
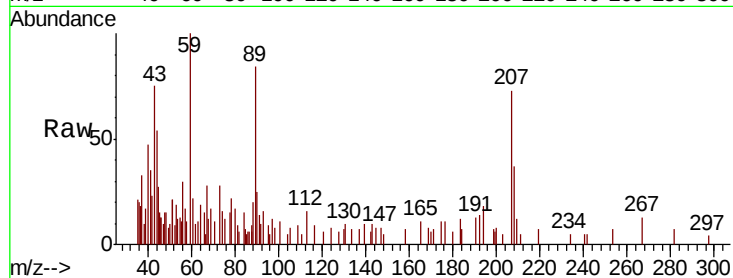


#11

Tert butyl alcohol
Concen: 1.993 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#09

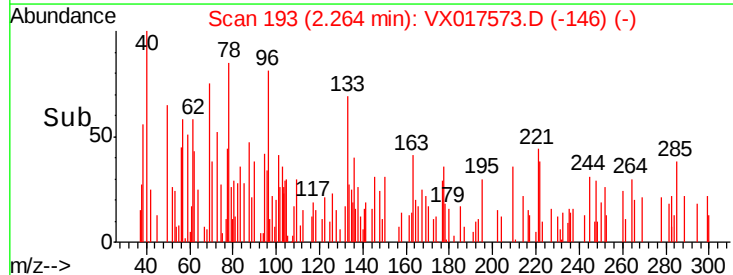
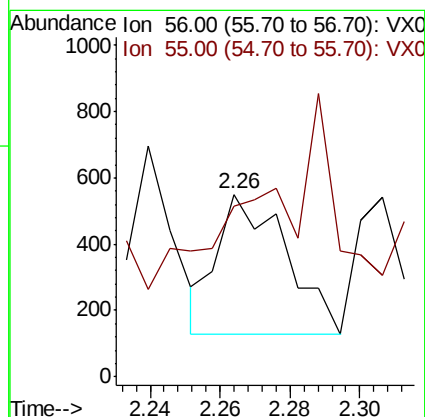
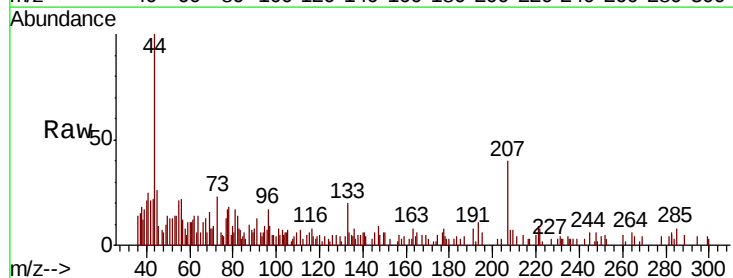
Tot Ion: 59 Resp: 2704
Ion Ratio Lower Upper
59 100
57 11.9 8.6 12.8

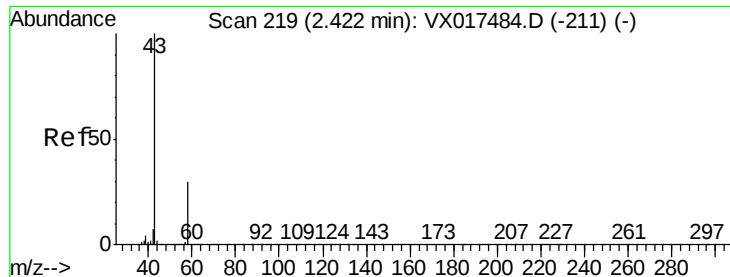


#13

Acrolein
Concen: 4.695 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Tgt Ion: 56 Resp: 576
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#





#16

Acetone

Concen: 16.642 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

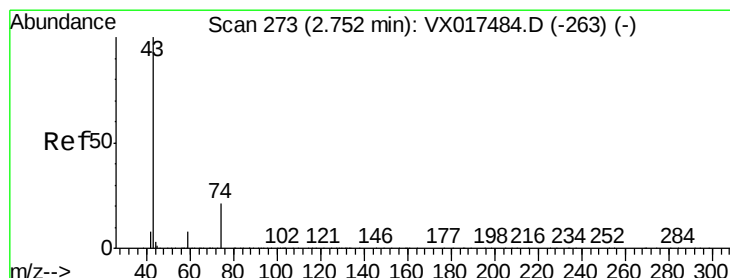
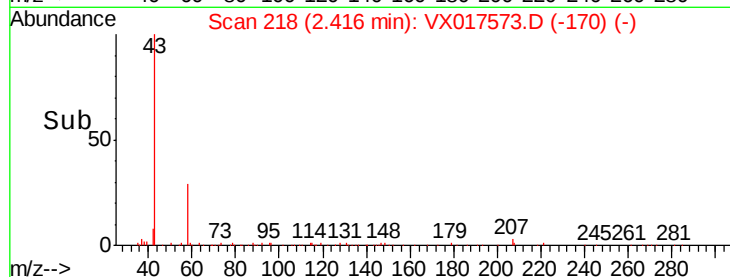
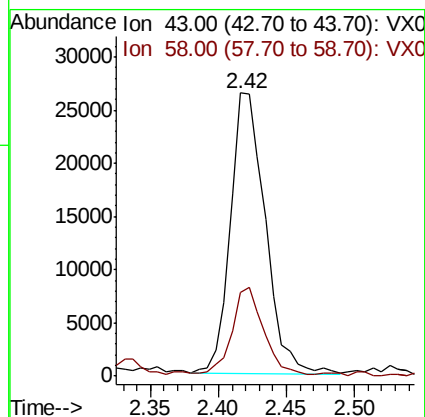
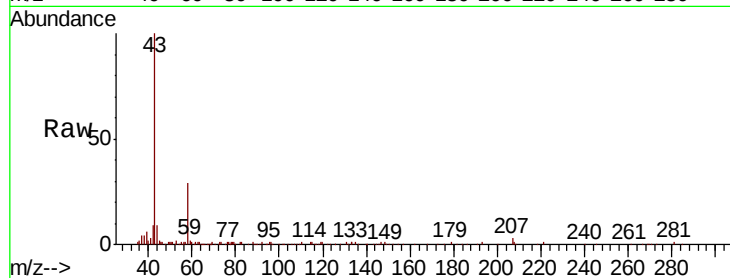
PB130430ZHE#09

Tot Ion: 43 Resp: 47164

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4



#18

Methyl Acetate

Concen: 1.013 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017573.D

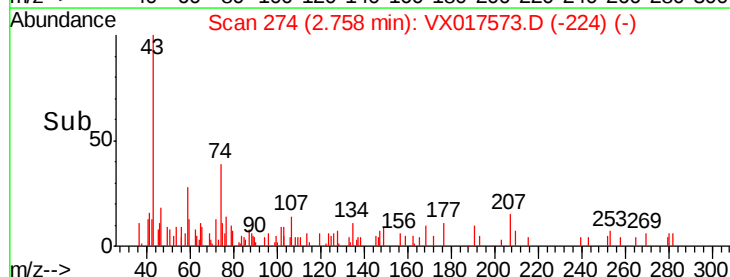
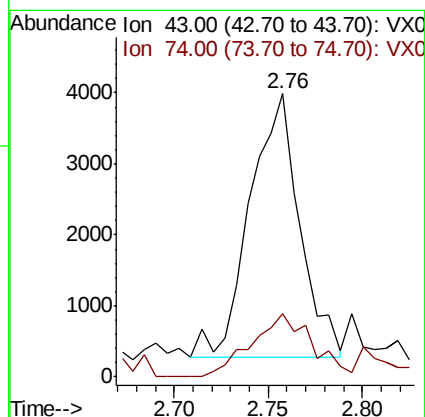
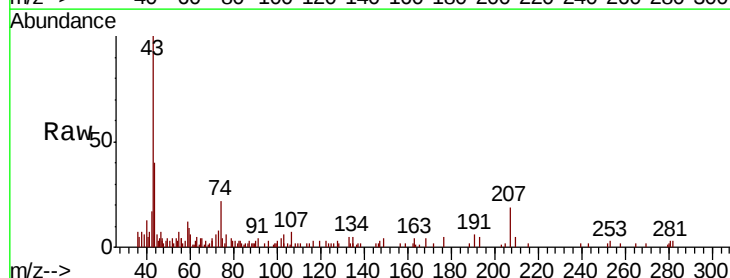
Acq: 25 Jul 2020 06:07

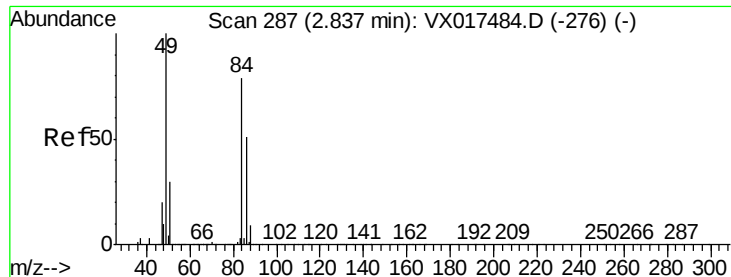
Tgt Ion: 43 Resp: 6761

Ion Ratio Lower Upper

43 100

74 29.2 17.5 26.3#

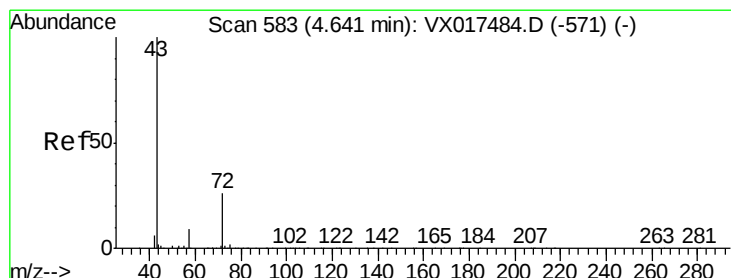
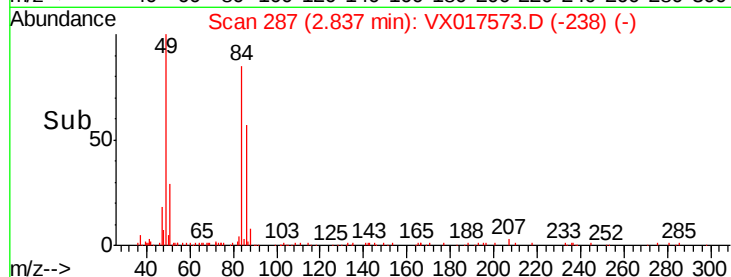
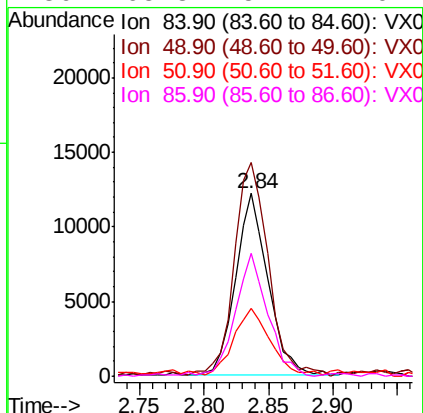
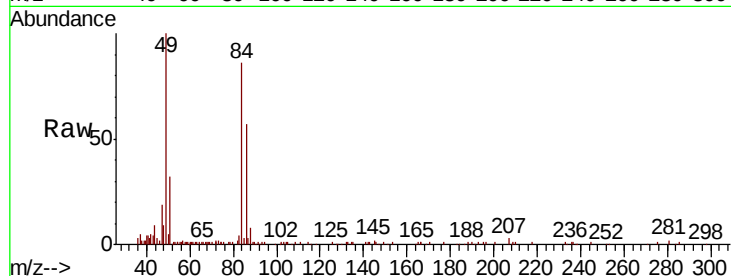




#20
Methvlene Chloride
Concen: 2.778 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

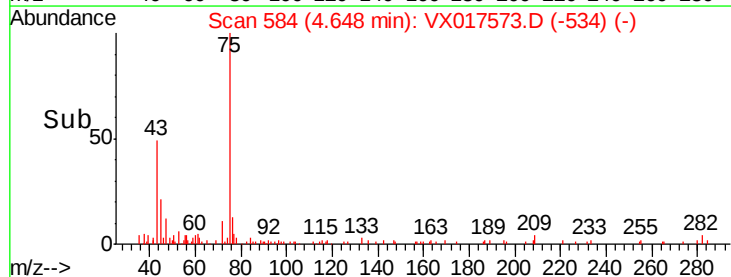
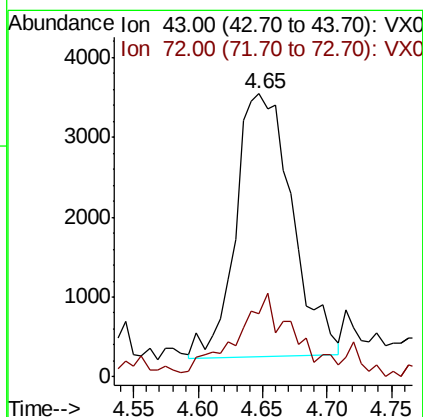
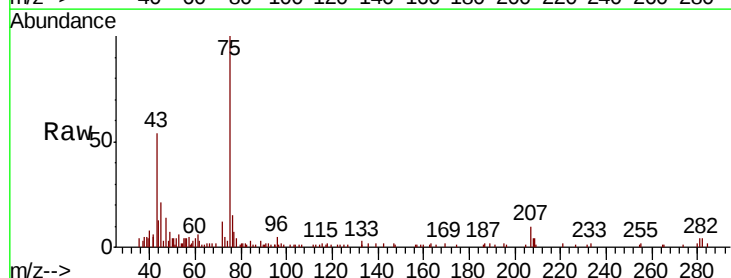
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#09

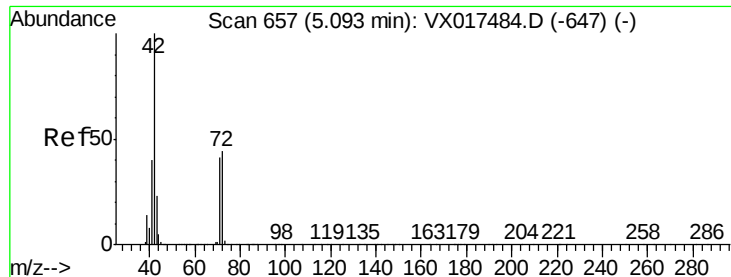
Tot Ion:	84	Resp:	21302
Ion	Ratio	Lower	Upper
84	100		
49	116.8	100.3	150.5
51	34.4	30.5	45.7
86	65.8	51.1	76.7



#25
2-Butanone
Concen: 2.480 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Tgt Ion:	43	Resp:	9984
Ion	Ratio	Lower	Upper
43	100		
72	19.4	19.0	28.4





#29

Tetrahydrofuran

Concen: 0.656 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#09

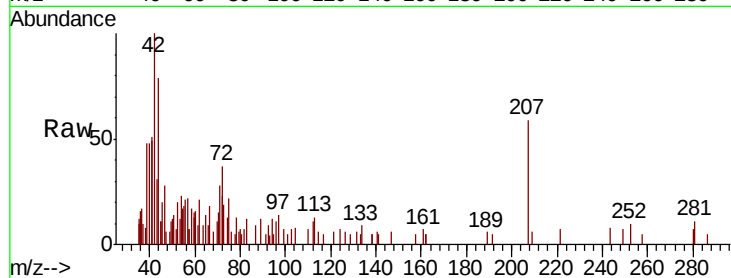
Tot Ion: 42 Resp: 1635

Ion Ratio Lower Upper

42 100

72 167.0 35.5 53.3#

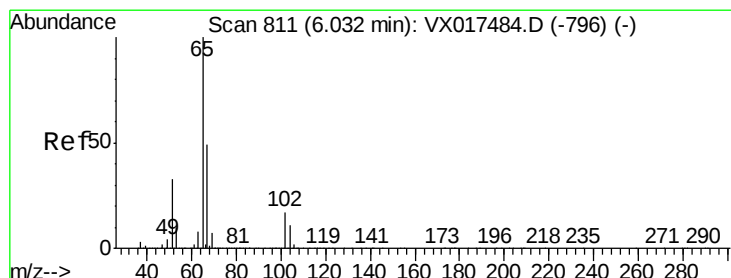
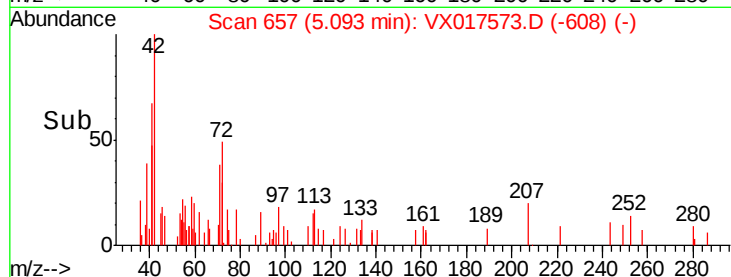
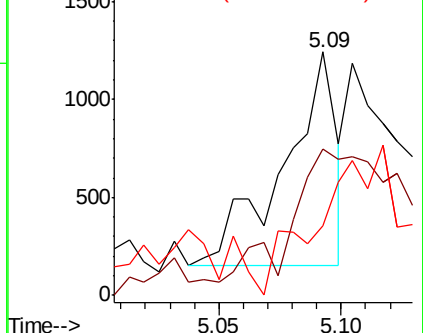
71 0.0 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.377 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017573.D

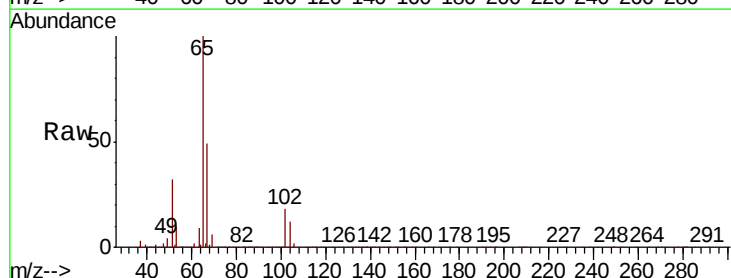
Acq: 25 Jul 2020 06:07

Tgt Ion: 65 Resp: 350124

Ion Ratio Lower Upper

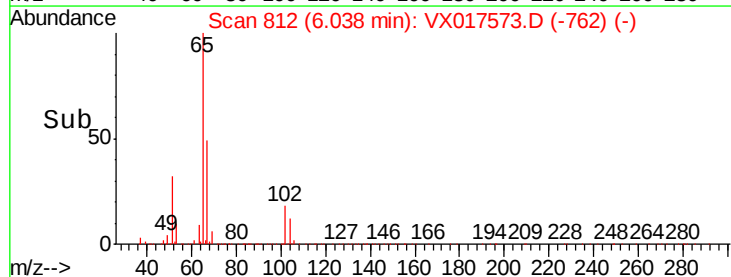
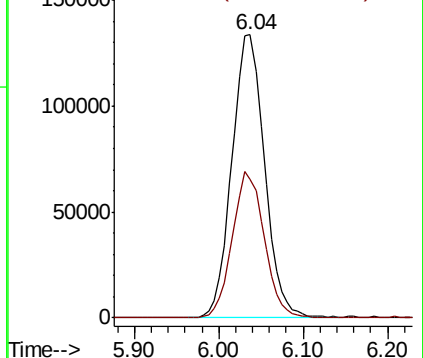
65 100

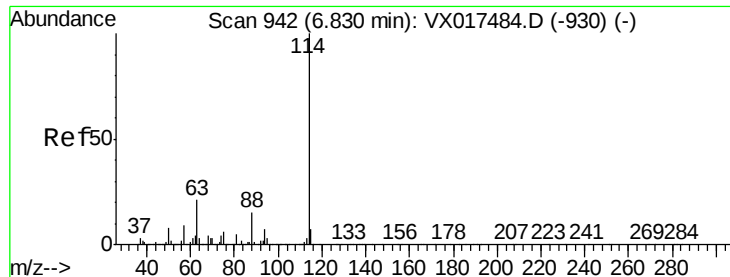
67 50.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#09

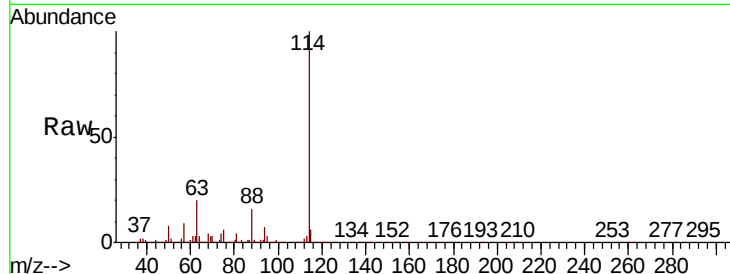
Tot Ion:114 Resp: 849534

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

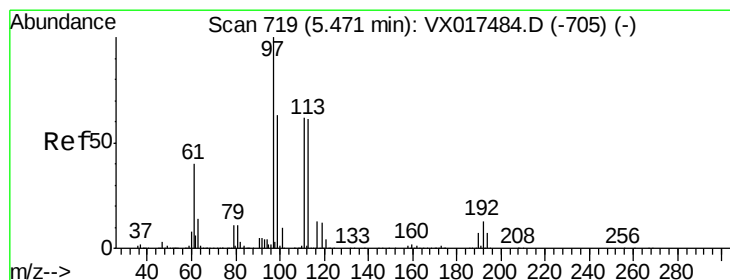
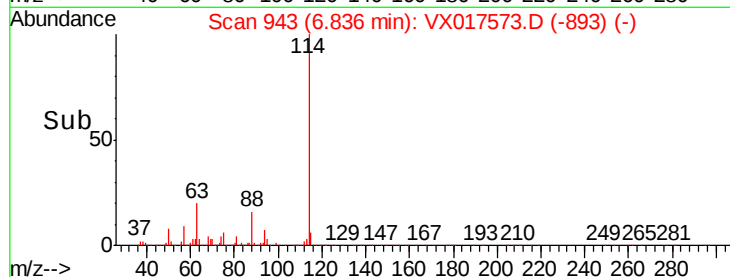
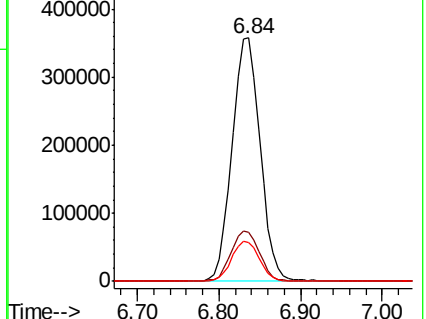
88 16.0 0.0 33.4



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: 51.065 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

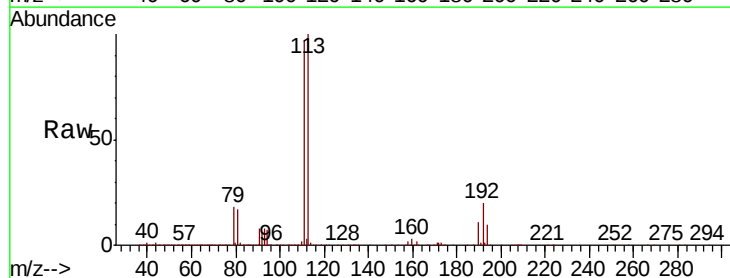
Tgt Ion:113 Resp: 290140

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

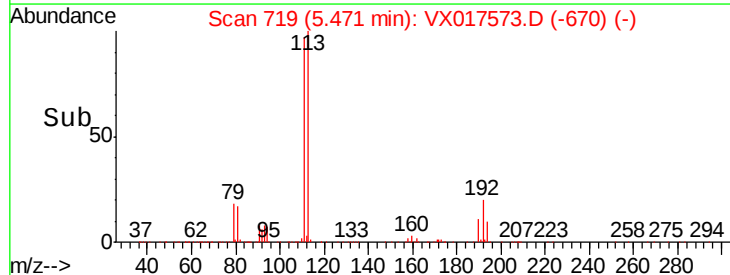
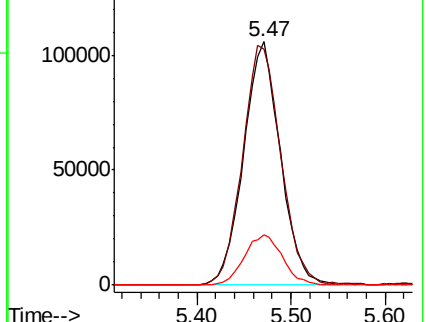
192 21.3 16.9 25.3

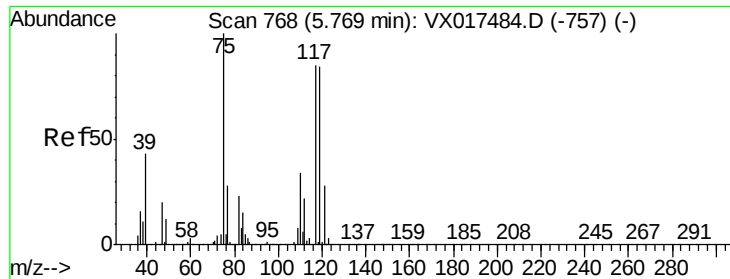


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.245 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#09

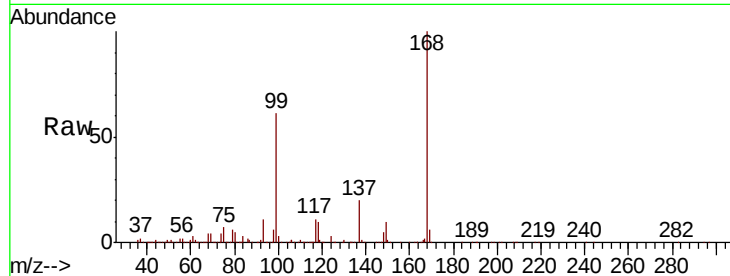
Tot Ion: 75 Resp: 34589

Ion Ratio Lower Upper

75 100

110 11.8 18.1 54.3#

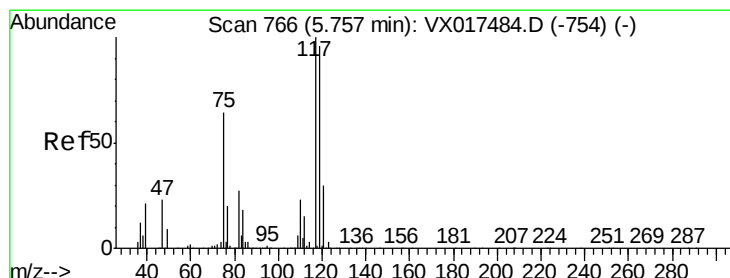
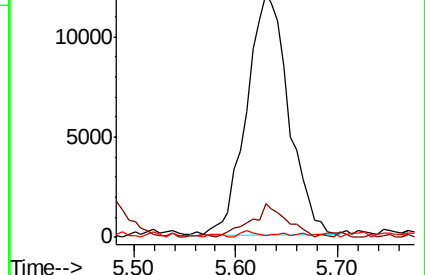
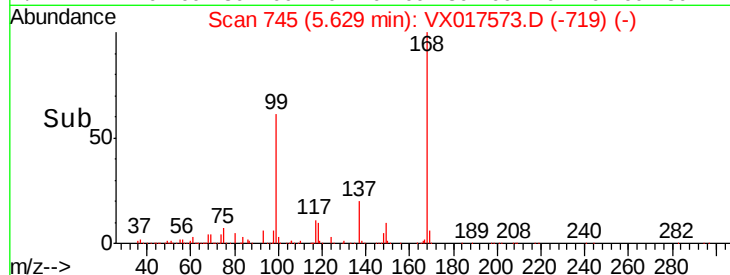
77 0.5 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX017573.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX017573.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX017573.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 4.880 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

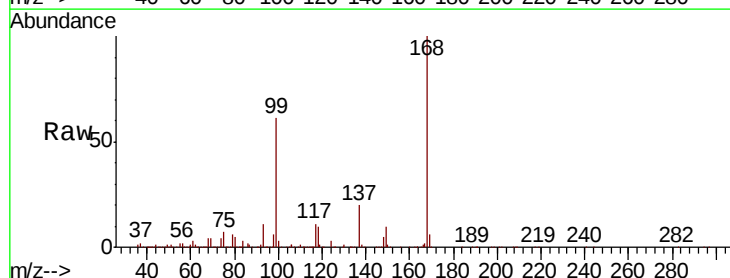
Tgt Ion: 117 Resp: 48286

Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

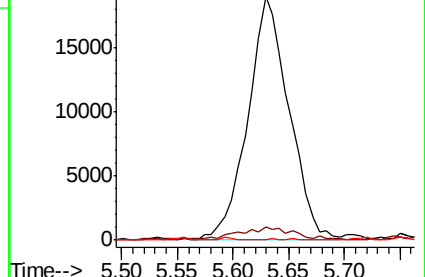
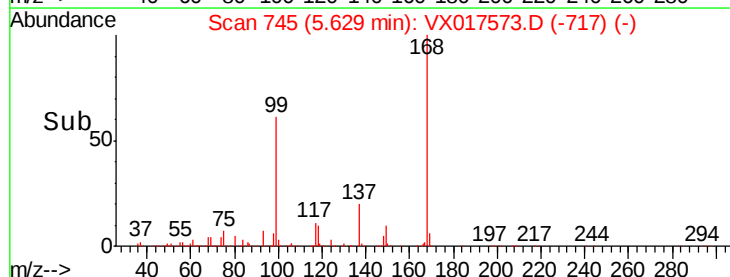
121 0.4 24.3 36.5#

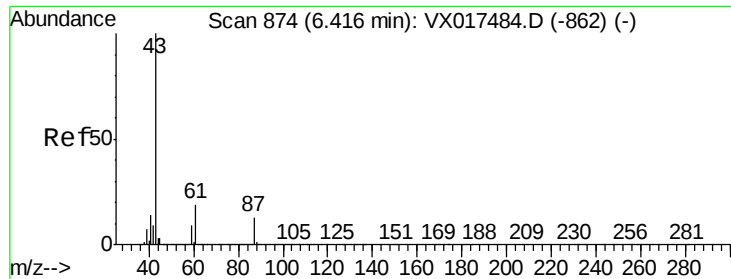


Abundance Ion 116.80 (116.50 to 117.50): VX017573.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX017573.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX017573.D (-717) (-)





#43

Isopropyl Acetate

Concen: 11.420 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#09

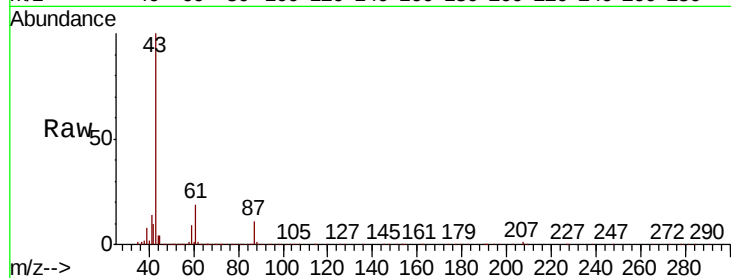
Tot Ion: 43 Resp: 167971

Ion Ratio Lower Upper

43 100

61 20.2 15.5 23.3

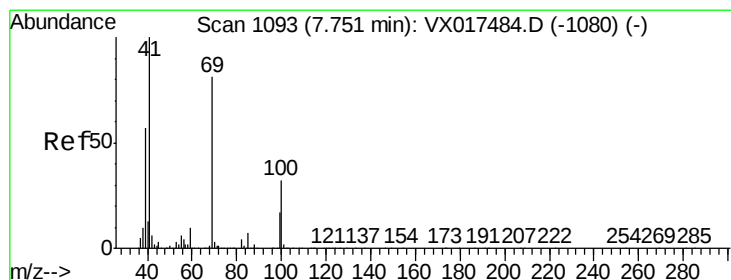
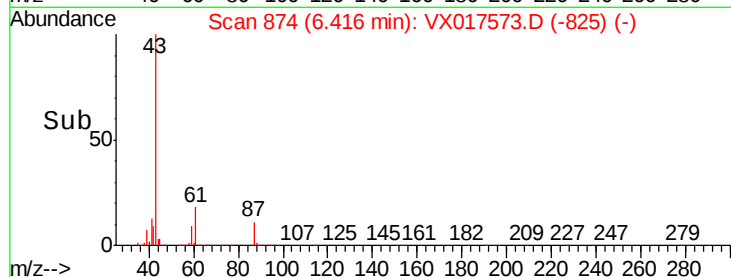
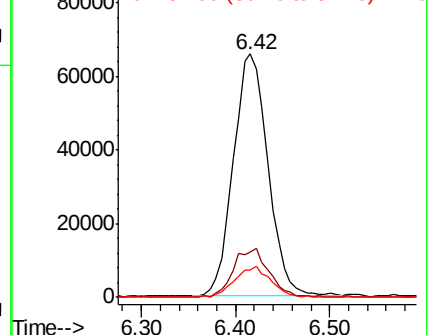
87 13.3 10.5 15.7



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: 38.595 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

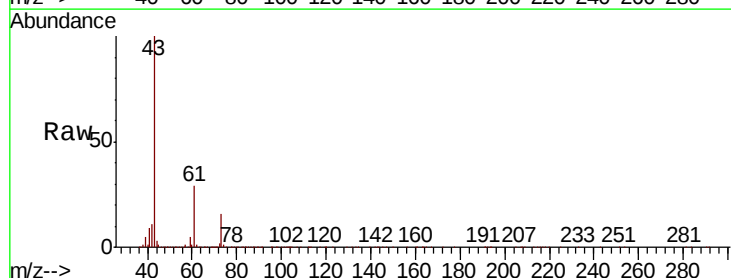
Tgt Ion: 41 Resp: 281405

Ion Ratio Lower Upper

41 100

69 0.4 63.1 94.7#

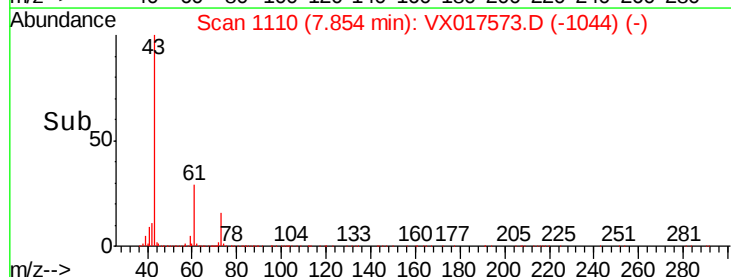
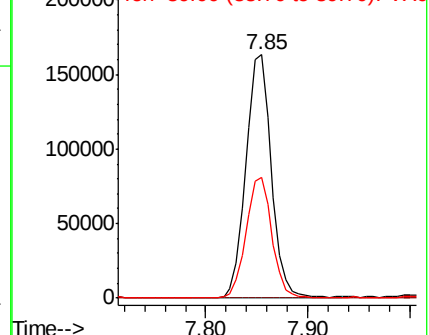
39 50.3 45.1 67.7

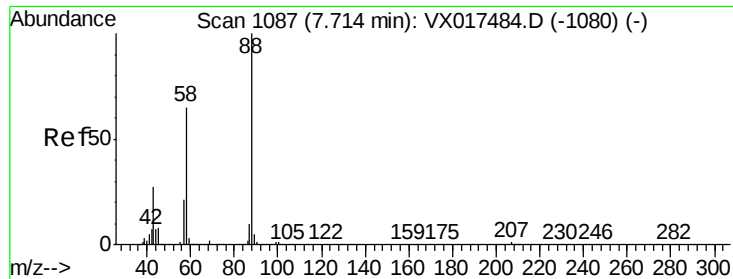


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

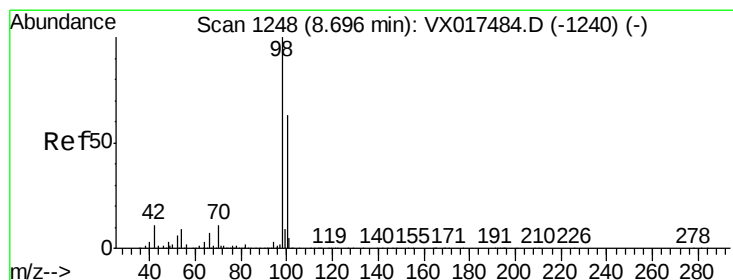
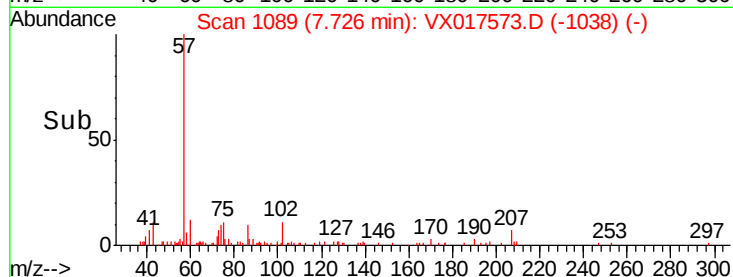
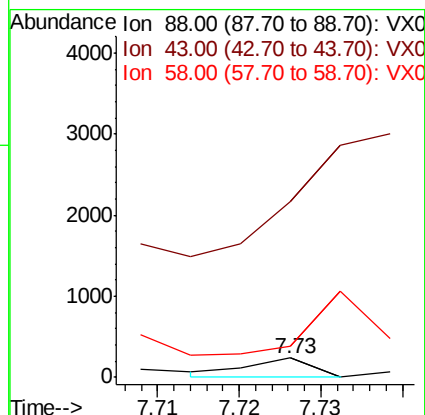
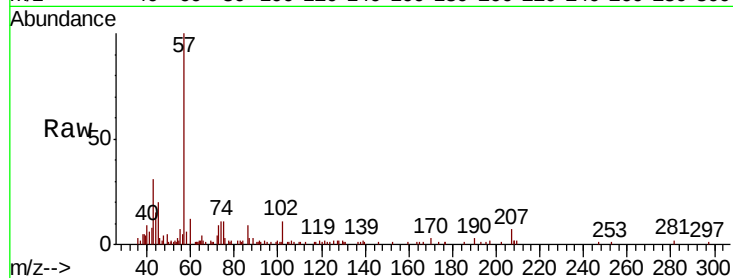




#49
1,4-Dioxane
Concen: 0.923 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

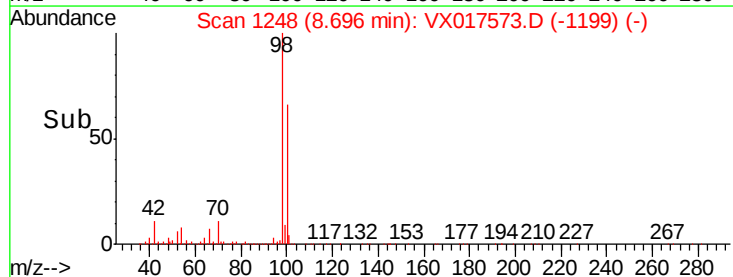
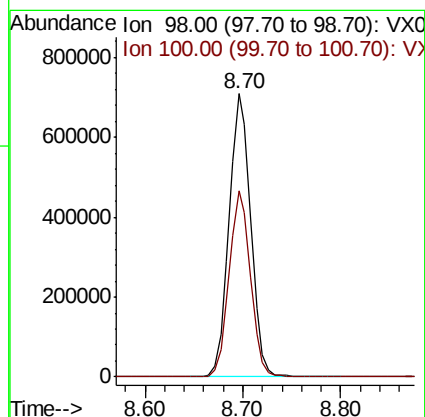
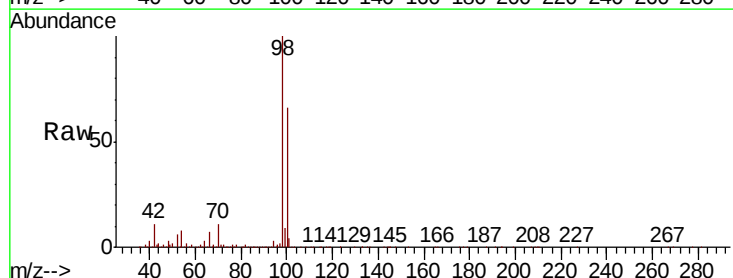
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#09

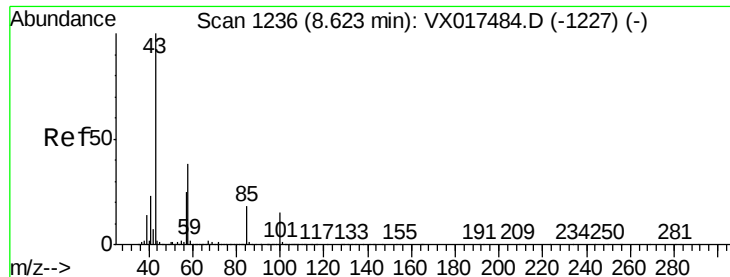
Tot Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 0.0 58.3 87.5#



#50
Toluene-d8
Concen: 53.046 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Tgt Ion: 98 Resp: 1087271
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

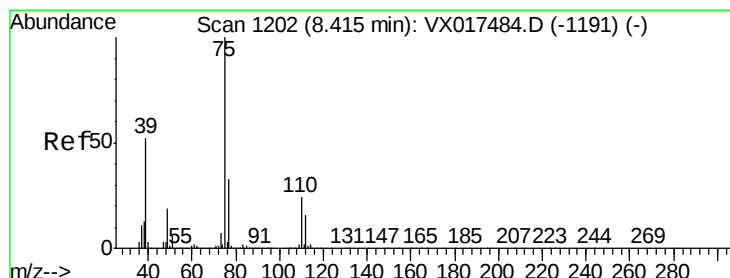
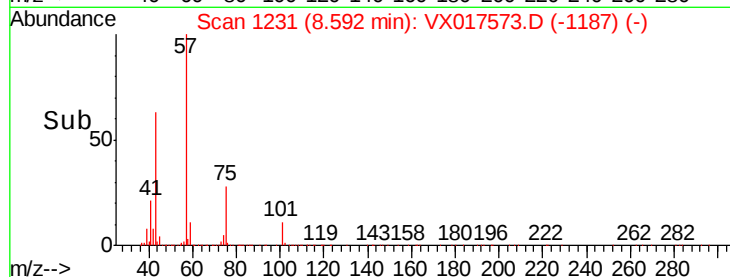
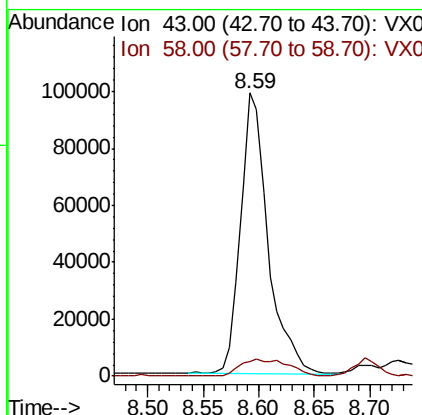
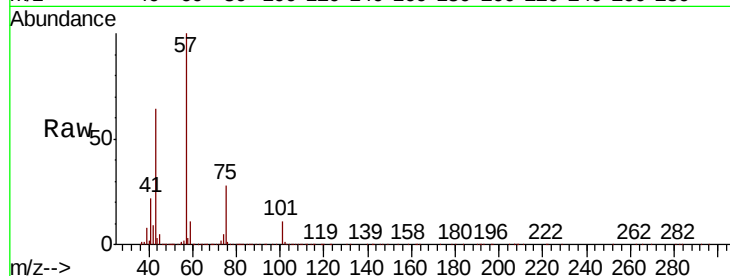




#51
 4-Methyl-2-Pentanone
 Concen: 19.311 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017573.D
 Acq: 25 Jul 2020 06:07

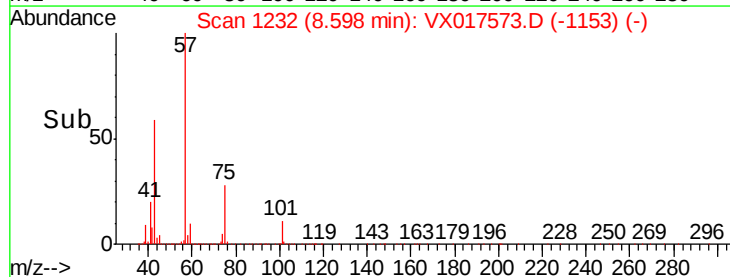
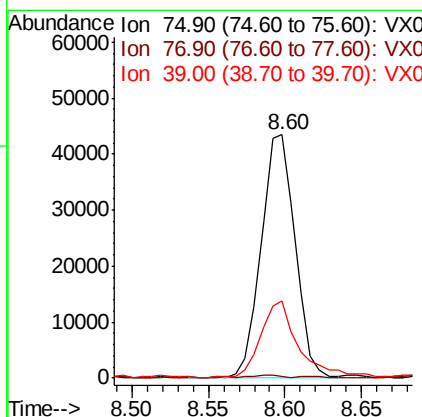
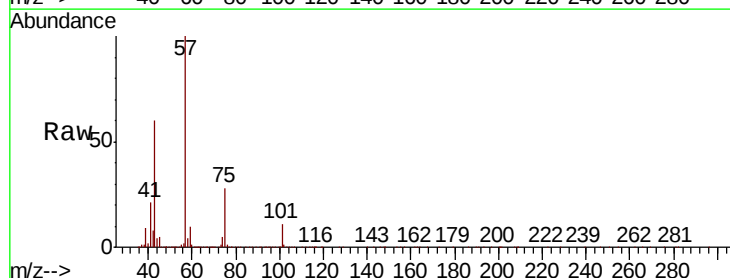
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#09

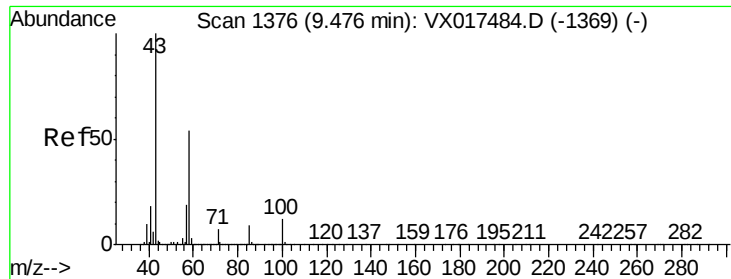
Tot Ion: 43 Resp: 169480
 Ion Ratio Lower Upper
 43 100
 58 10.5 31.0 46.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.429 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017573.D
 Acq: 25 Jul 2020 06:07

Tgt Ion: 75 Resp: 67599
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.5 38.3#
 39 31.2 41.8 62.8#

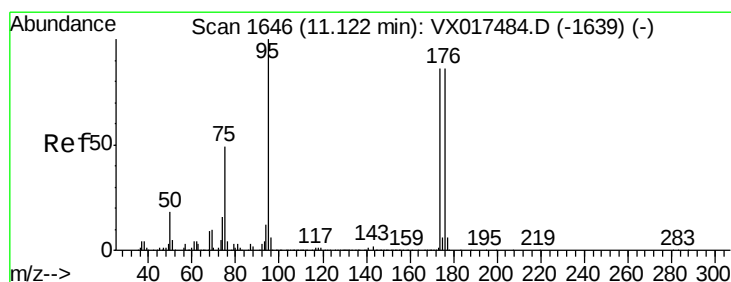
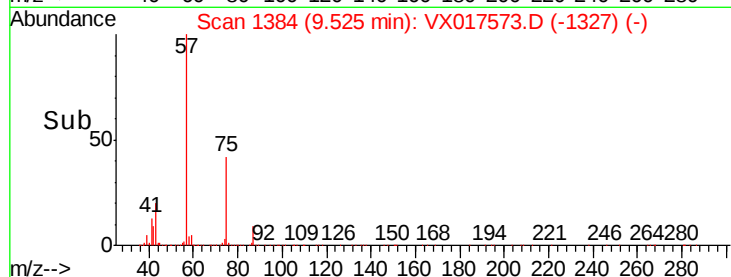
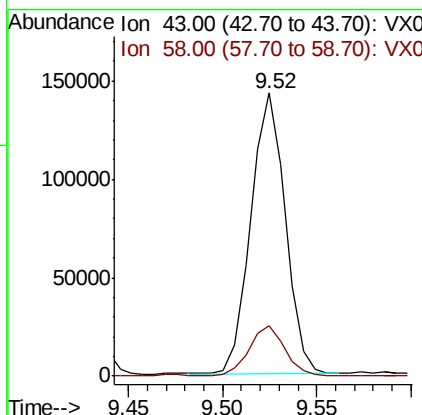
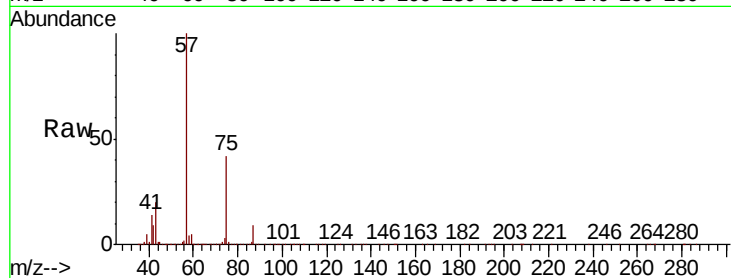




#59
2-Hexanone
Concen: 27.332 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

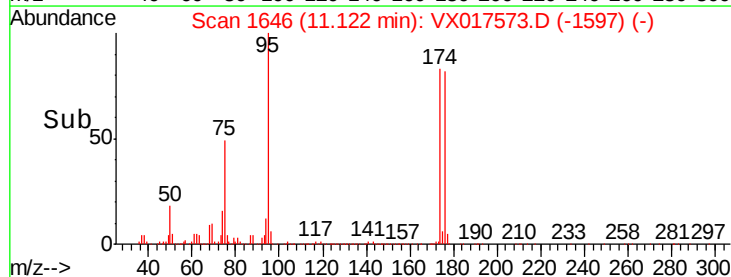
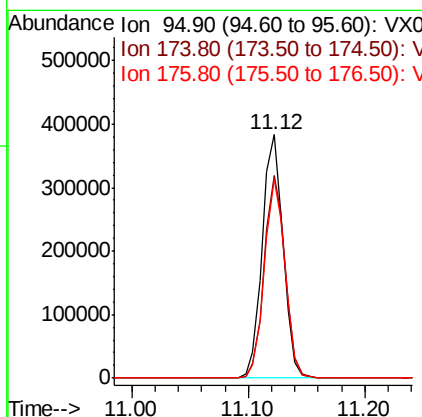
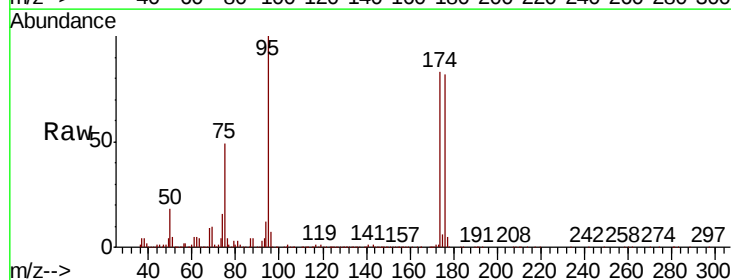
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#09

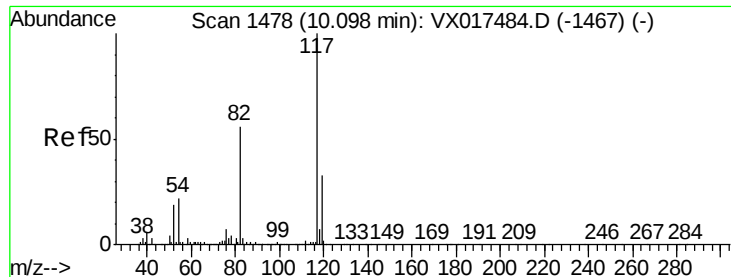
Tot Ion: 43 Resp: 180602
Ion Ratio Lower Upper
43 100
58 18.8 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 58.647 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Tgt Ion: 95 Resp: 481068
Ion Ratio Lower Upper
95 100
174 83.4 0.0 169.0
176 81.1 0.0 161.0

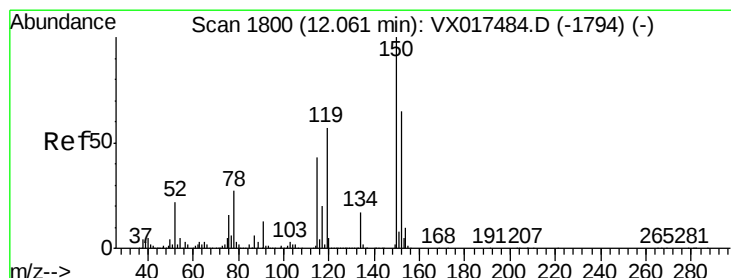
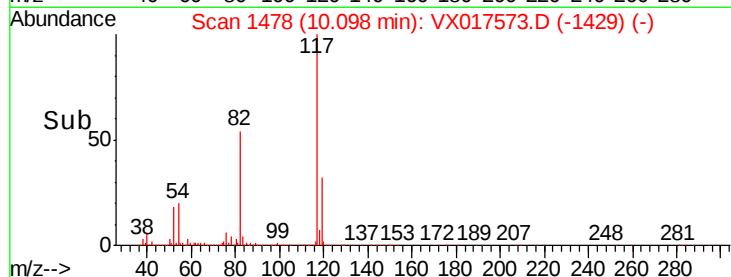
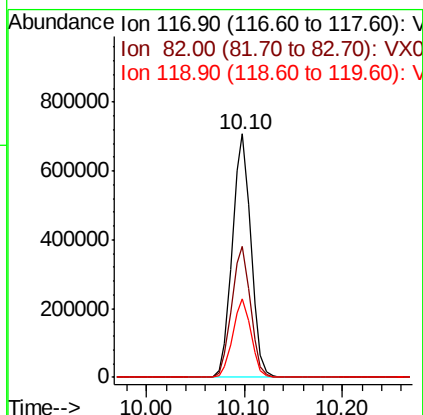
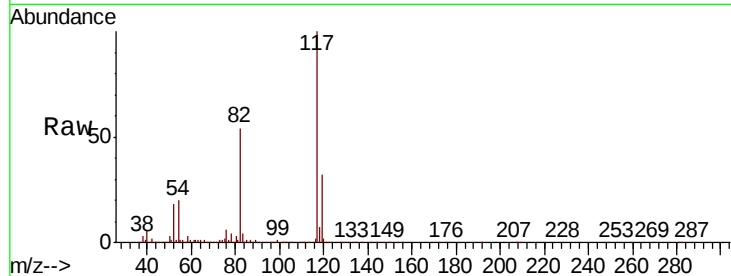




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

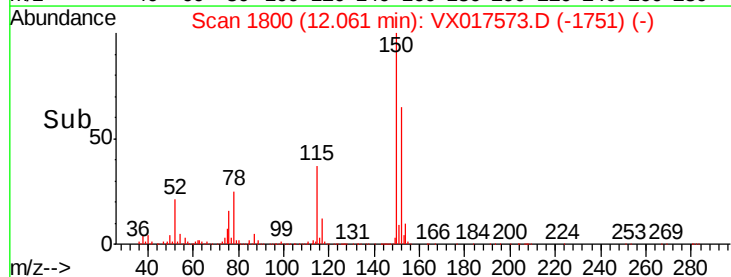
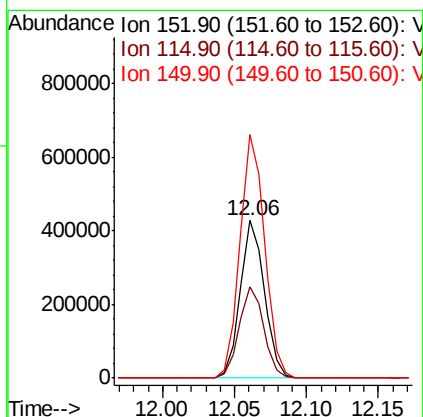
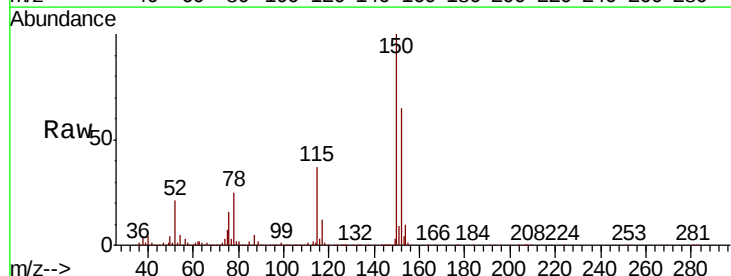
Instrument :
MSVOA_X
ClientSampleId :
PB130430ZHE#09

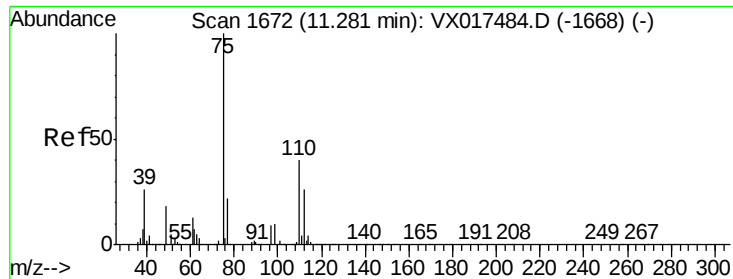
Tot Ion:117 Resp: 933353
Ion Ratio Lower Upper
117 100
82 53.7 44.0 66.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017573.D
Acq: 25 Jul 2020 06:07

Tgt Ion:152 Resp: 500216
Ion Ratio Lower Upper
152 100
115 59.2 65.5 196.6#
150 158.0 0.0 412.6

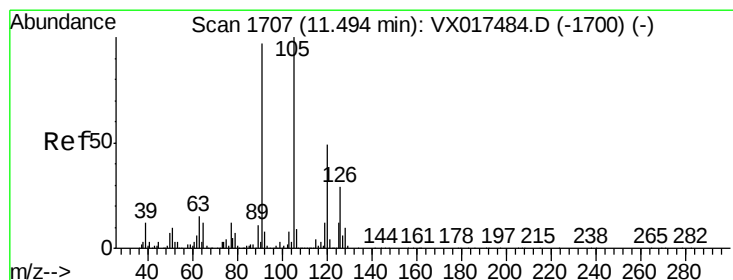
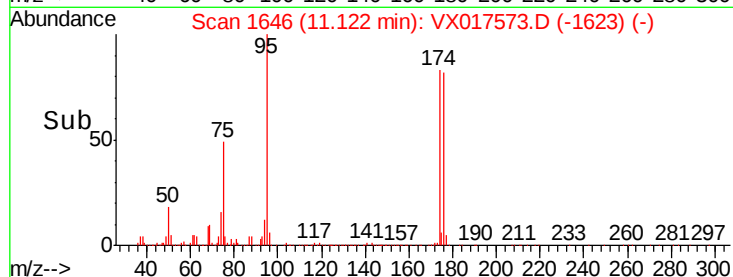
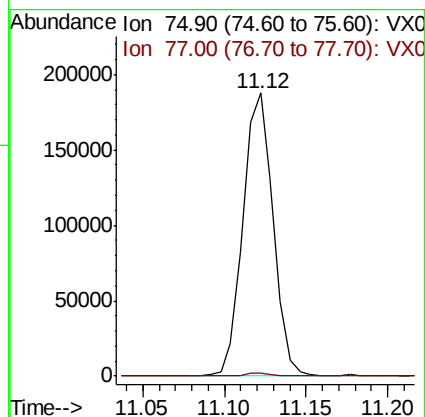
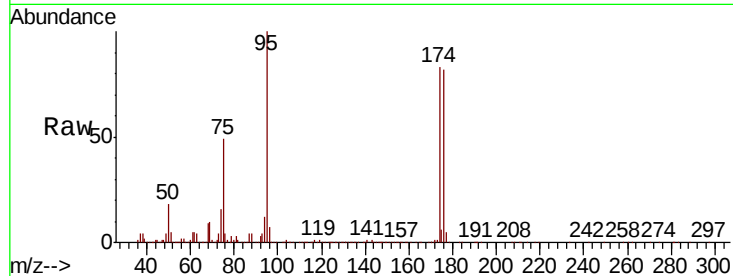




#76
 1,2,3-Trichloropropane
 Concen: 23.482 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017573.D
 Acq: 25 Jul 2020 06:07

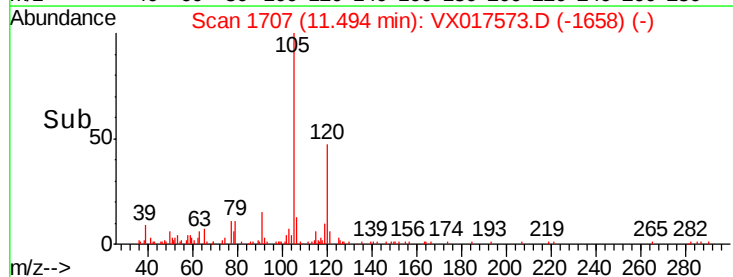
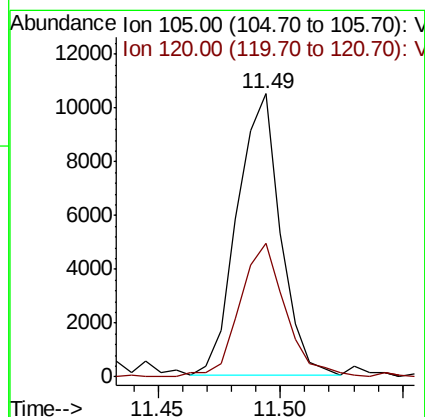
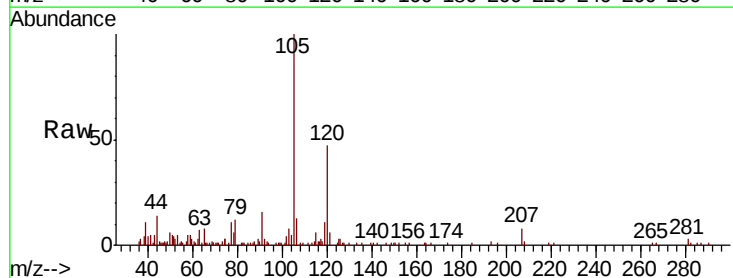
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130430ZHE#09

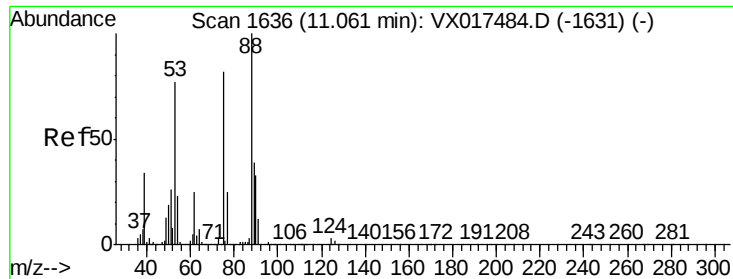
Tot Ion: 75 Resp: 241625
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.8 65.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.440 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX017573.D
 Acq: 25 Jul 2020 06:07

Tgt Ion:105 Resp: 12901
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 59.170 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

PB130430ZHE#09

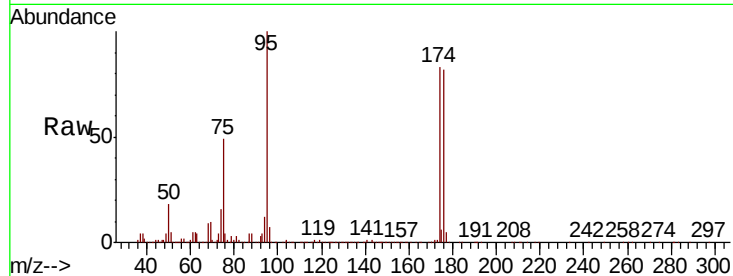
Tot Ion: 75 Resp: 241625

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

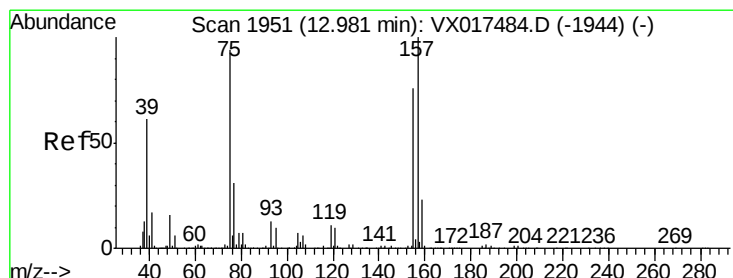
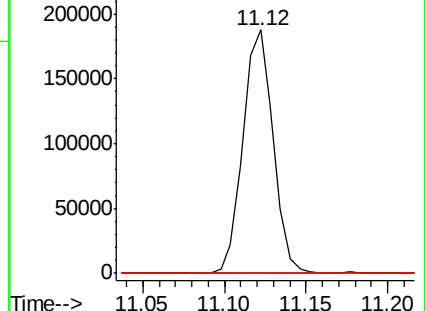
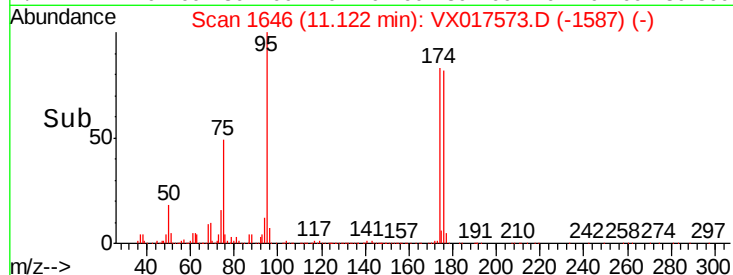
89 0.1 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.690 ug/l

RT: 12.97 min Scan# 1949

Delta R.T. -0.01 min

Lab File: VX017573.D

Acq: 25 Jul 2020 06:07

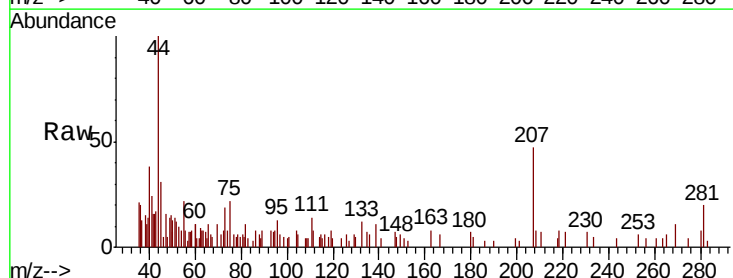
Tgt Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 16.1 42.3 126.8#

157 0.0 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

