

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017079.D
 Acq On : 01 Jul 2020 05:17
 Operator : JC/SP
 Sample : PB129852ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#15

Quant Time: Jul 01 08:25:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	216566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	379802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	402047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200602	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	147311	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	5.47	113	127757	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	8.70	98	473025	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.12	95	194418	55.98	ug/l	0.00
Spiked Amount			Recovery	=	111.96%	

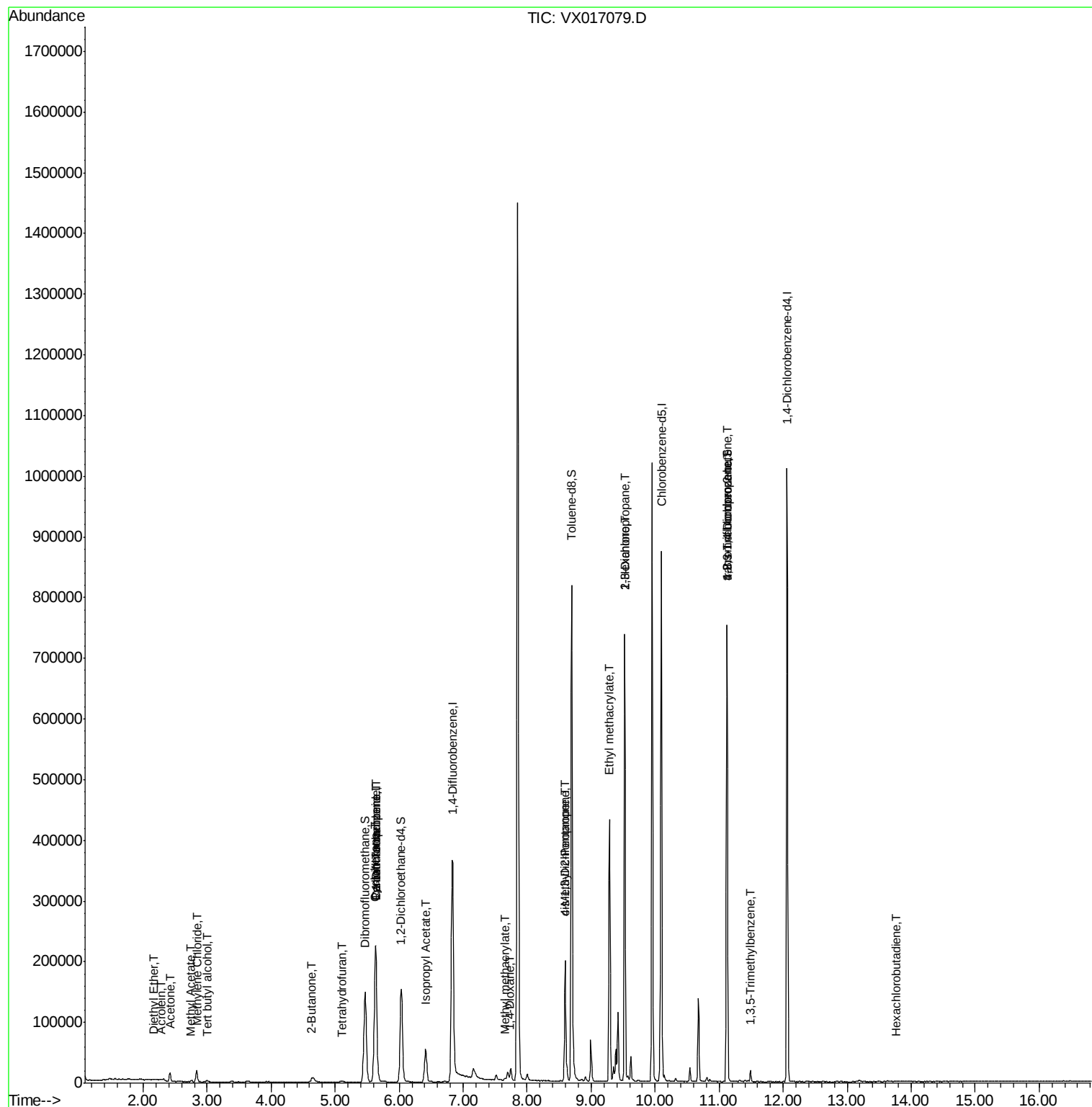
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	277	0.600	ug/l	87
11) Tert butyl alcohol	3.00	59	2085	4.094	ug/l #	73
13) Acrolein	2.28	56	358	1.176	ug/l #	73
16) Acetone	2.42	43	14903	14.922	ug/l	96
18) Methyl Acetate	2.75	43	2825	1.084	ug/l	97
20) Methylene Chloride	2.83	84	8218	2.850	ug/l	96
25) 2-Butanone	4.64	43	3470	2.085	ug/l #	89
29) Tetrahydrofuran	5.12	42	1889	1.718	ug/l #	77
31) Cyclohexane	5.62	56	4341	1.204	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	16192	4.511	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21686	5.485	ug/l #	17
43) Isopropyl Acetate	6.42	43	72236	11.936	ug/l	98
44) Trichloroethene	7.19	130	172	Below Cal		97
48) Methyl methacrylate	7.66	41	3736	1.299	ug/l #	15
49) 1,4-Dioxane	7.73	88	63	0.967	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	72045	19.970	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	32595	7.231	ug/l #	60
56) Ethyl methacrylate	9.29	69	1455	0.380	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5950	1.307	ug/l #	43
59) 2-Hexanone	9.52	43	82158	31.183	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	96624	24.494	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	7270	0.667	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	96624	63.432	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	526	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	118	0.917	ug/l #	17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063020\
Data File : VX017079.D
Acq On : 01 Jul 2020 05:17
Operator : JC/SP
Sample : PB129852ZHE#15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#15

Quant Time: Jul 01 08:25:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

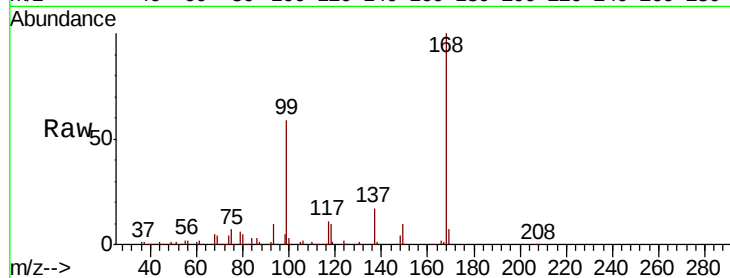
PB129852ZHE#15

Tot Ion:168 Resp: 216566

Ion Ratio Lower Upper

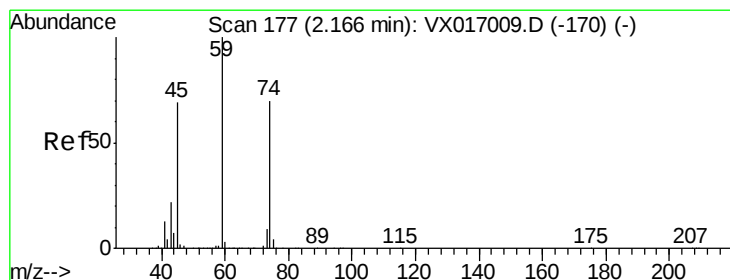
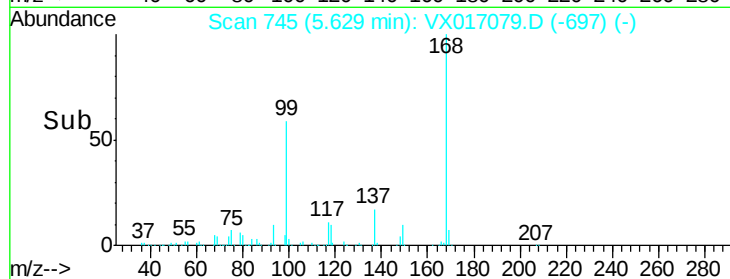
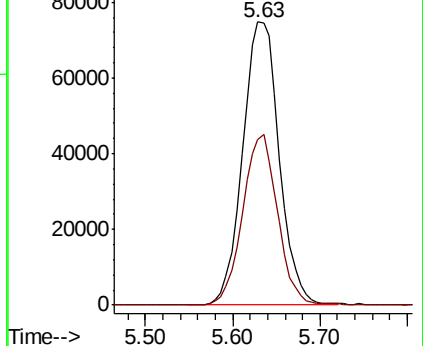
168 100

99 58.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.600 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017079.D

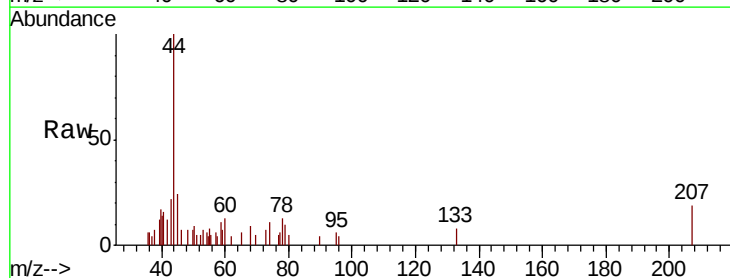
Acq: 01 Jul 2020 05:17

Tgt Ion: 74 Resp: 277

Ion Ratio Lower Upper

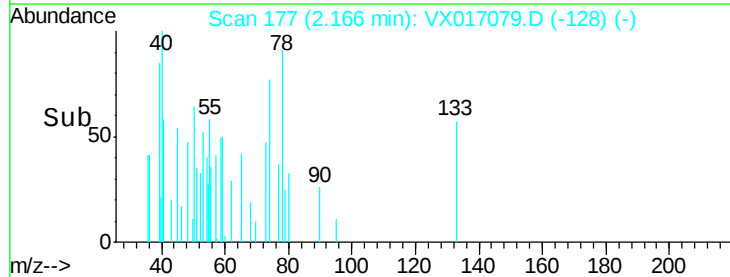
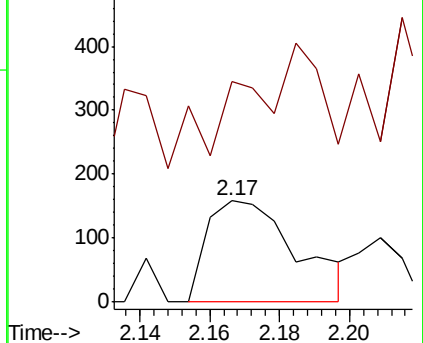
74 100

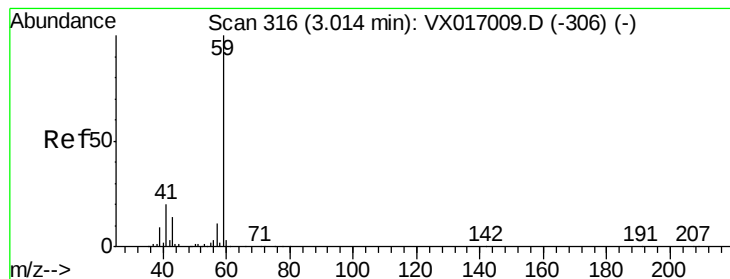
45 112.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



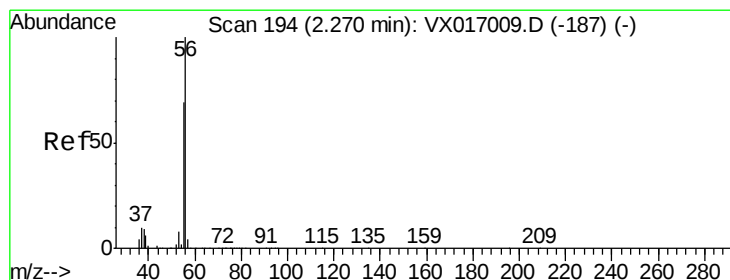
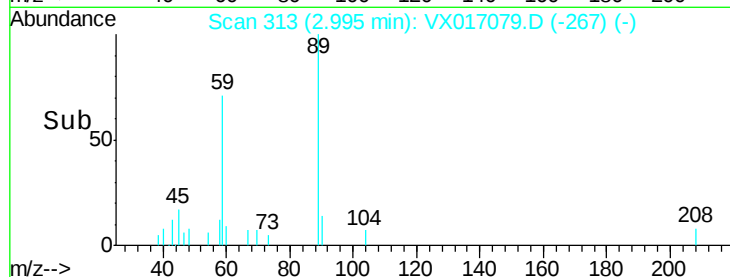
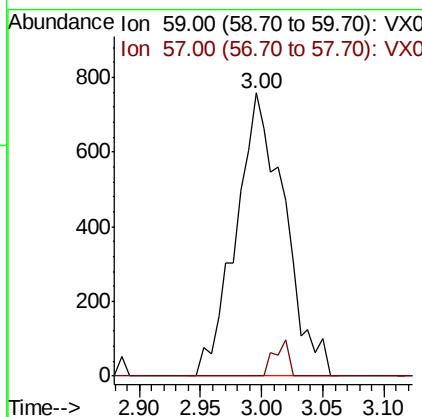
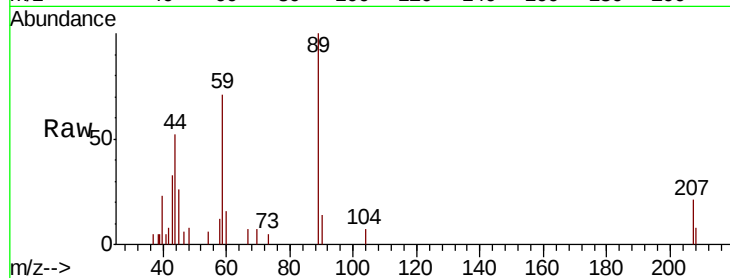


#11

Tert butyl alcohol
 Concen: 4.094 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX017079.D
 Acq: 01 Jul 2020 05:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#15

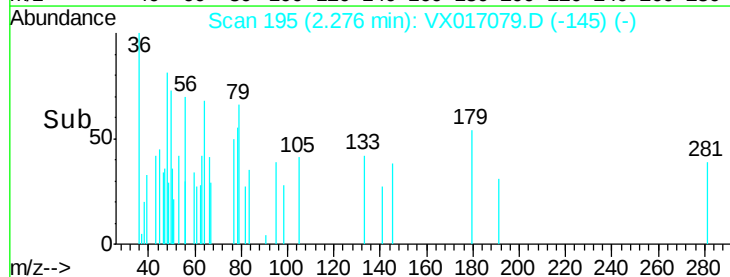
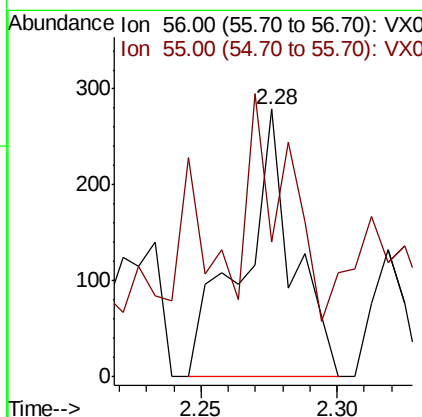
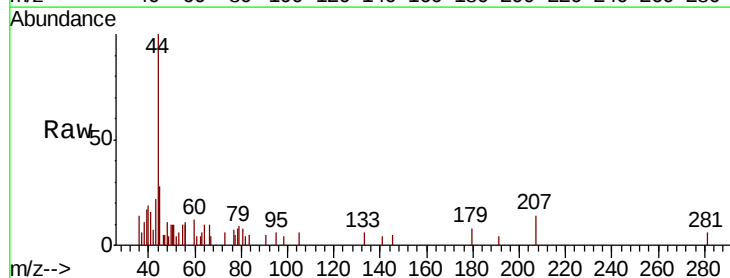
Tot Ion: 59 Resp: 2085
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

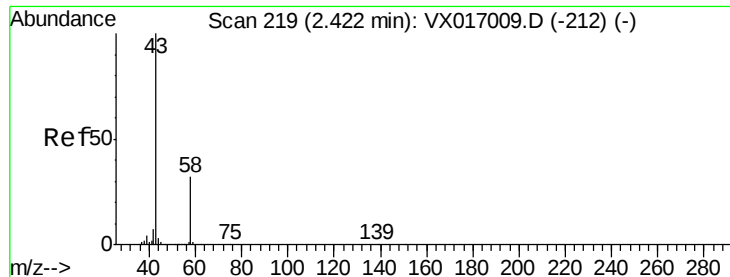


#13

Acrolein
 Concen: 1.176 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX017079.D
 Acq: 01 Jul 2020 05:17

Tgt Ion: 56 Resp: 358
 Ion Ratio Lower Upper
 56 100
 55 91.9 55.7 83.5#





#16

Acetone

Concen: 14.922 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

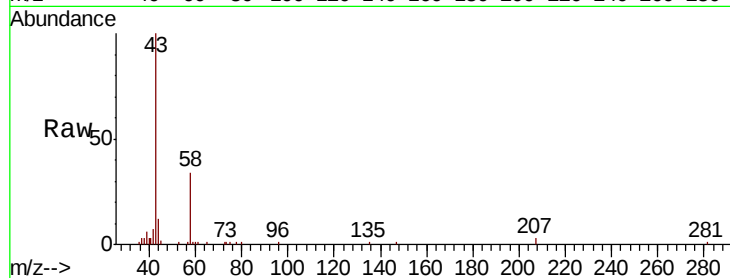
PB129852ZHE#15

Tot Ion: 43 Resp: 14903

Ion Ratio Lower Upper

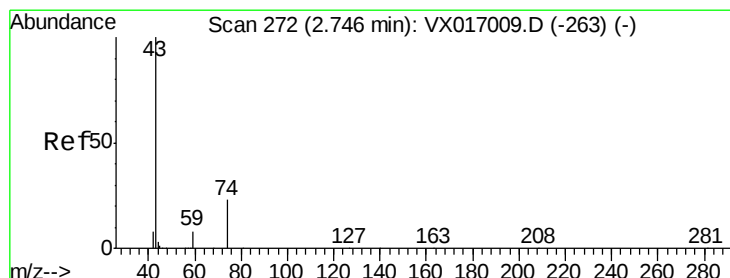
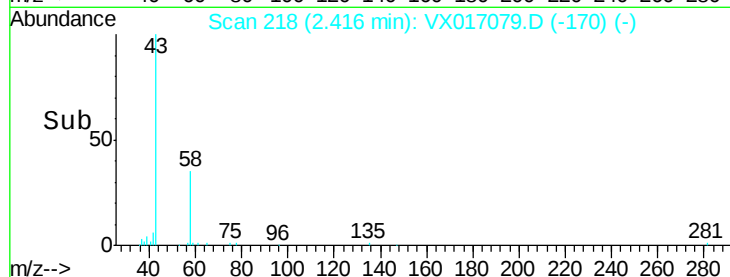
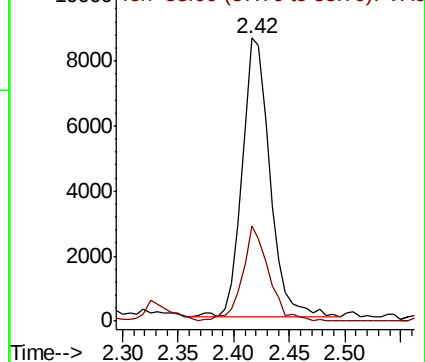
43 100

58 34.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.084 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017079.D

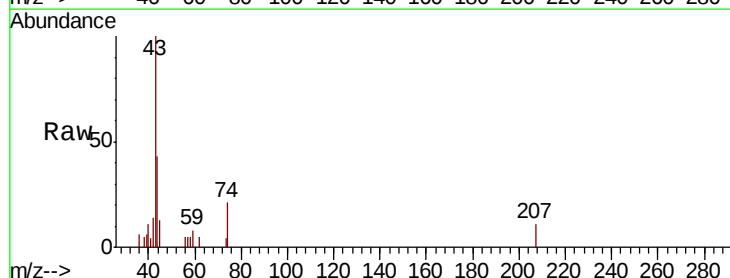
Acq: 01 Jul 2020 05:17

Tgt Ion: 43 Resp: 2825

Ion Ratio Lower Upper

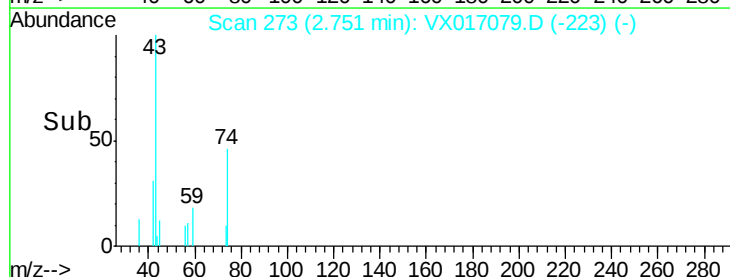
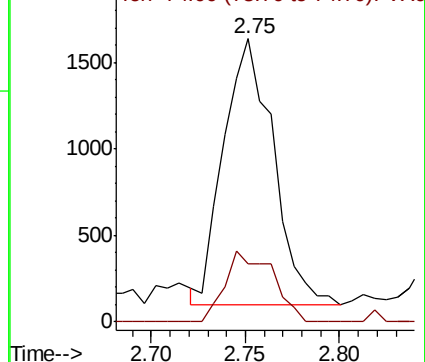
43 100

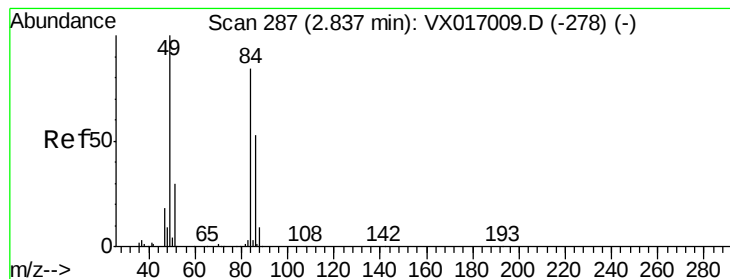
74 25.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 2.850 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#15

Tot Ion: 84 Resp: 8218

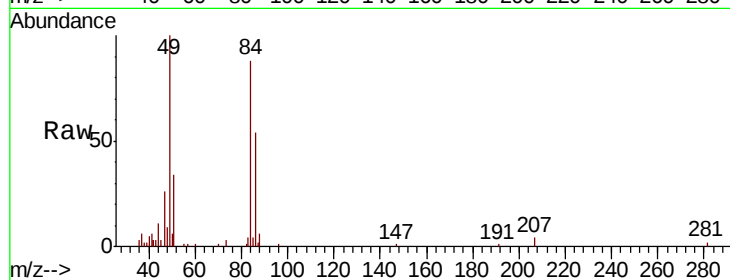
Ion Ratio Lower Upper

84 100

49 113.5 94.7 142.1

51 38.4 28.6 42.8

86 61.8 50.5 75.7



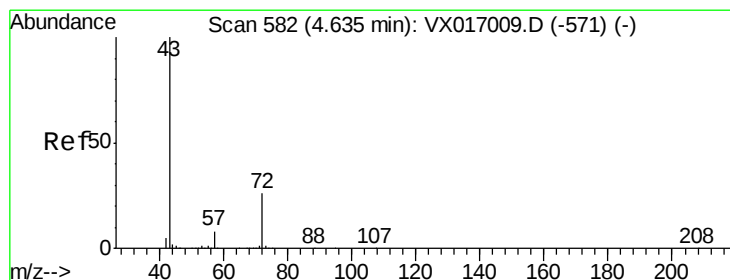
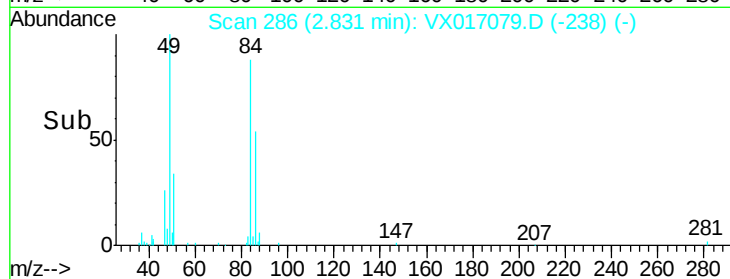
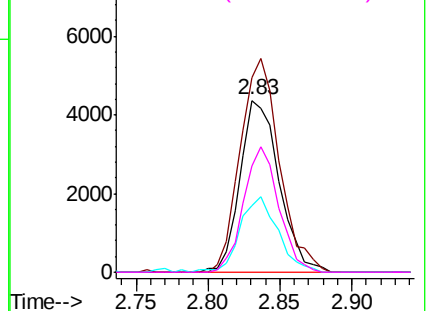
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 2.085 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017079.D

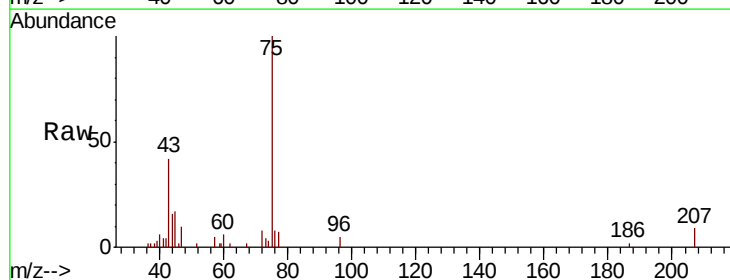
Acq: 01 Jul 2020 05:17

Tgt Ion: 43 Resp: 3470

Ion Ratio Lower Upper

43 100

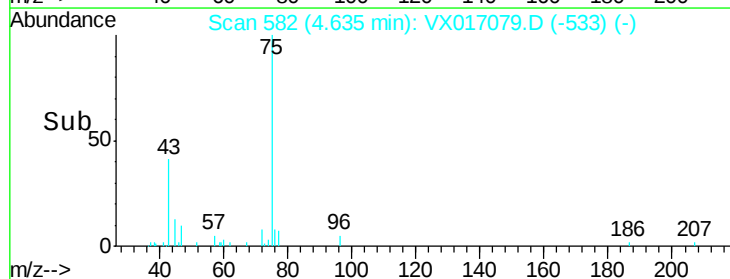
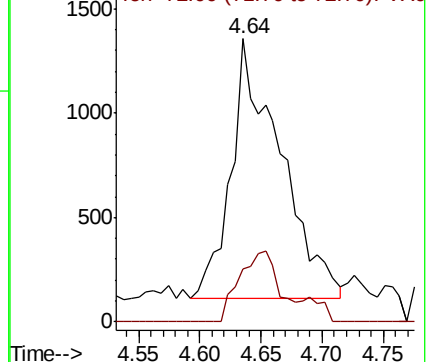
72 20.4 20.8 31.2#

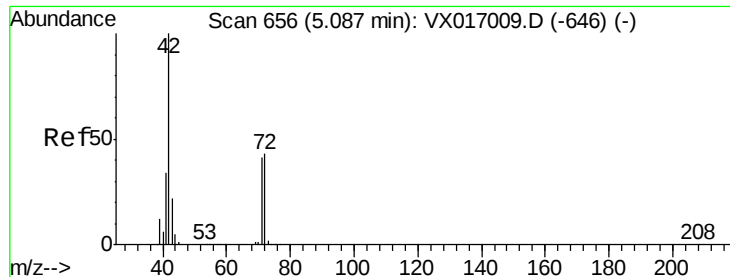


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

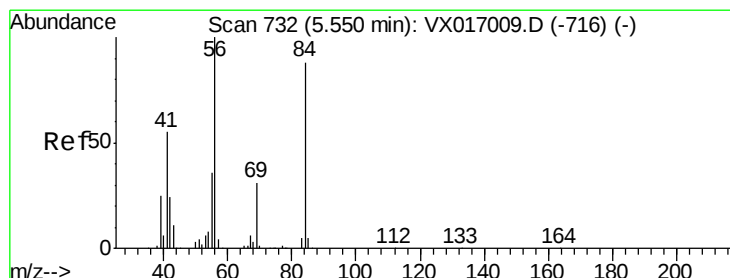
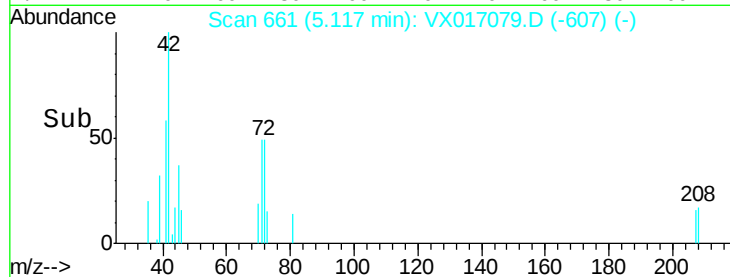
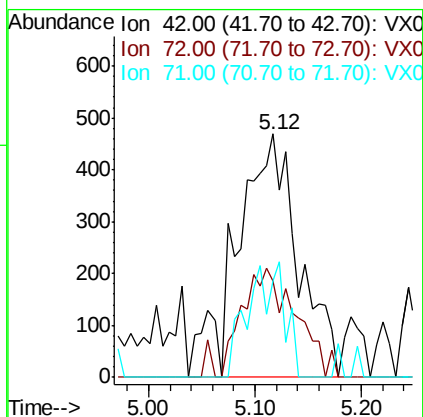
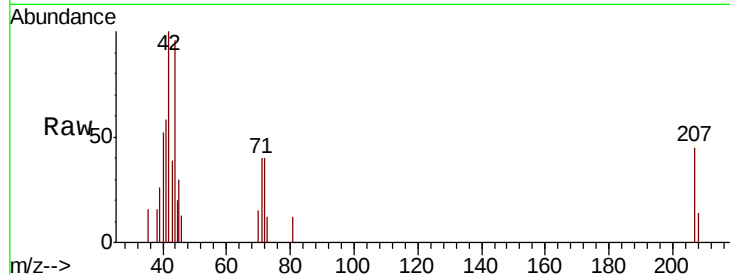




#29
Tetrahydrofuran
Concen: 1.718 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

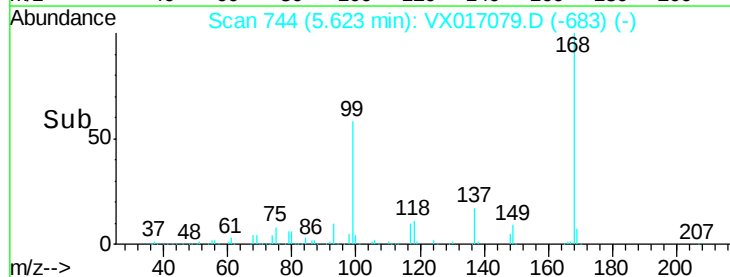
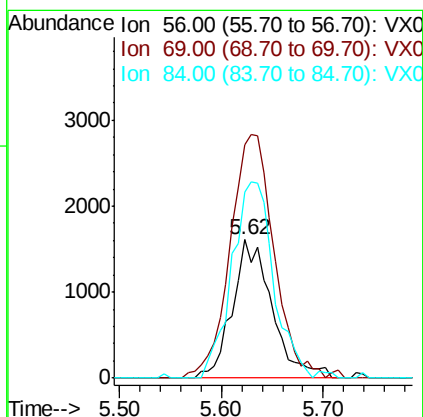
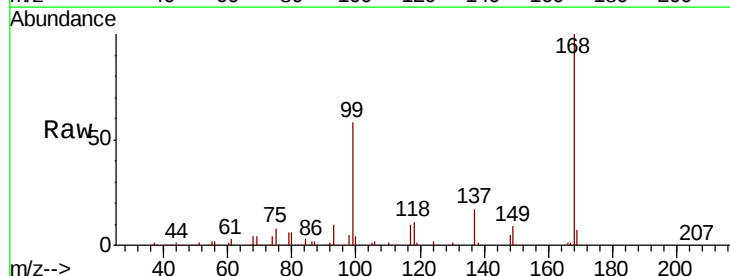
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#15

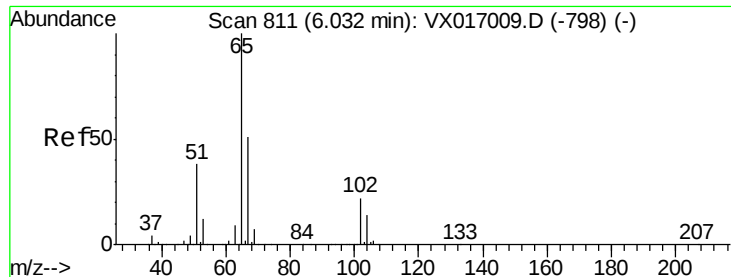
Tot Ion: 42 Resp: 1889
Ion Ratio Lower Upper
42 100
72 39.4 35.3 52.9
71 16.3 33.1 49.7#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

Tgt Ion: 56 Resp: 4341
Ion Ratio Lower Upper
56 100
69 164.3 25.0 37.4#
84 134.4 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 55.176 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

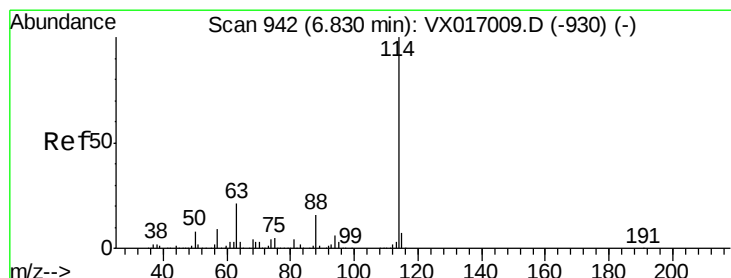
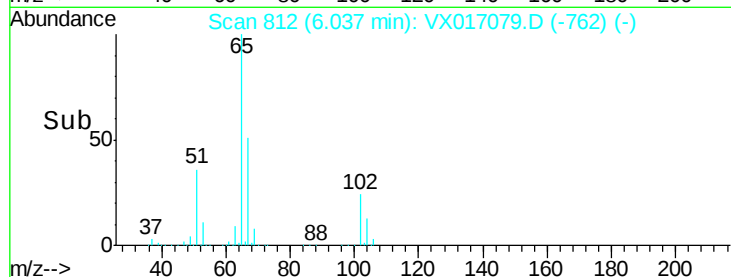
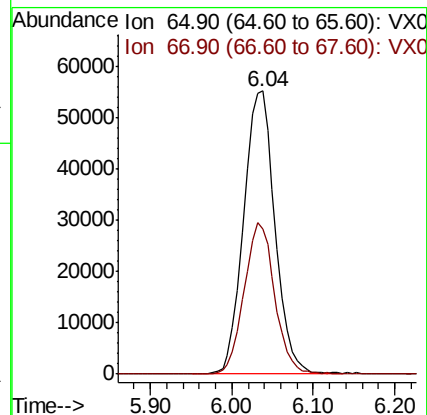
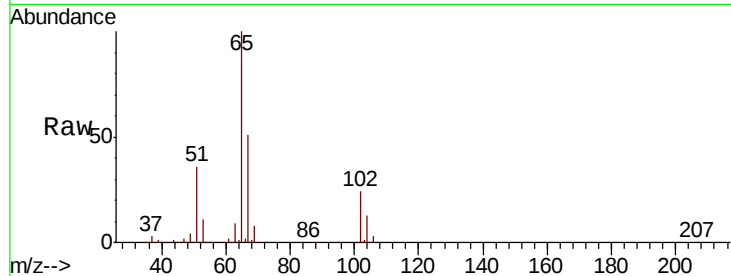
PB129852ZHE#15

Tot Ion: 65 Resp: 147311

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

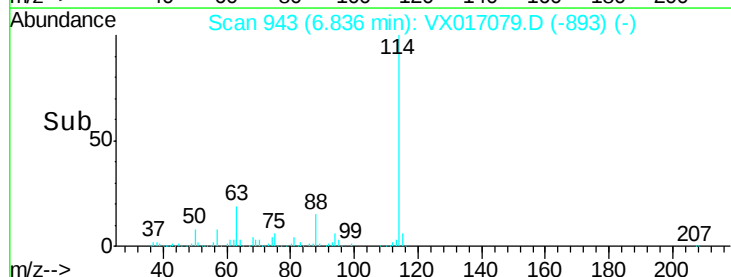
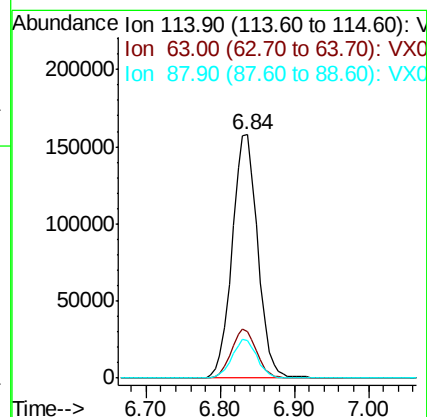
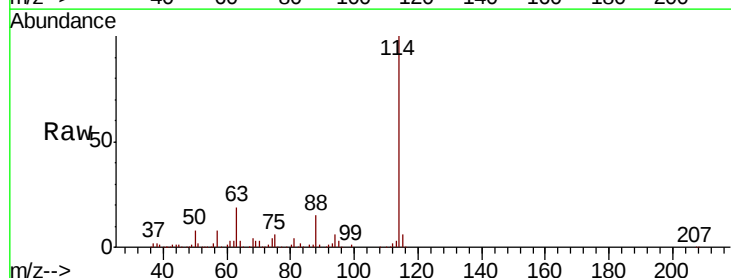
Tgt Ion: 114 Resp: 379802

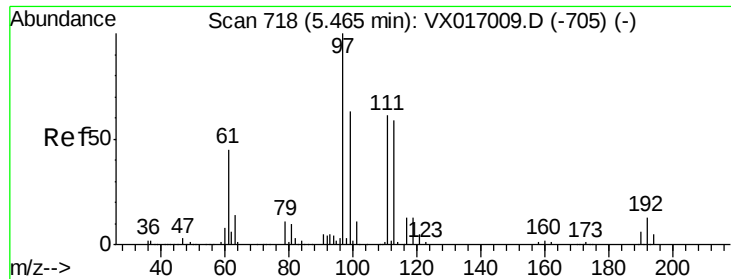
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

88 15.3 0.0 32.4

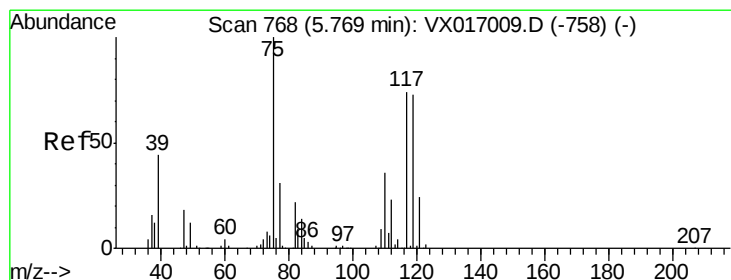
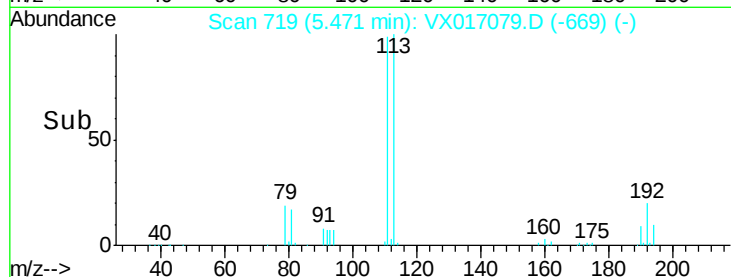
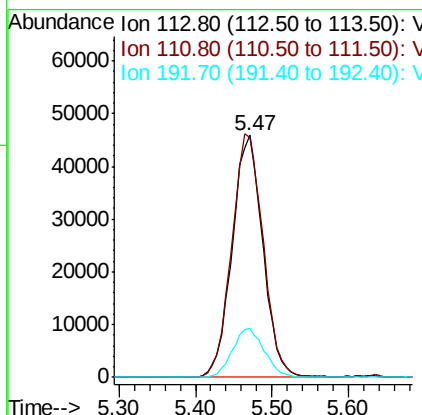
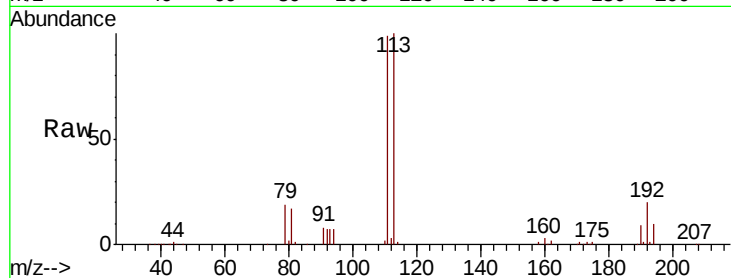




#35
 Dibromofluoromethane
 Concen: 53.176 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017079.D
 Acq: 01 Jul 2020 05:17

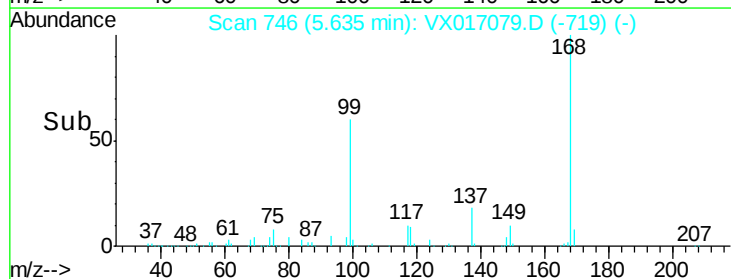
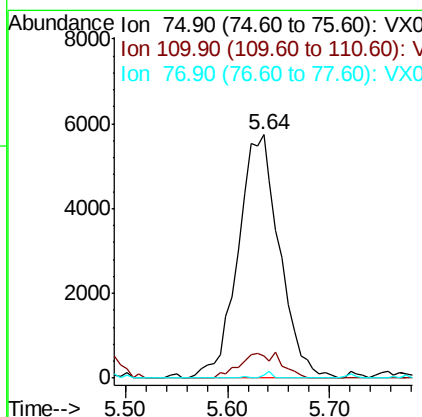
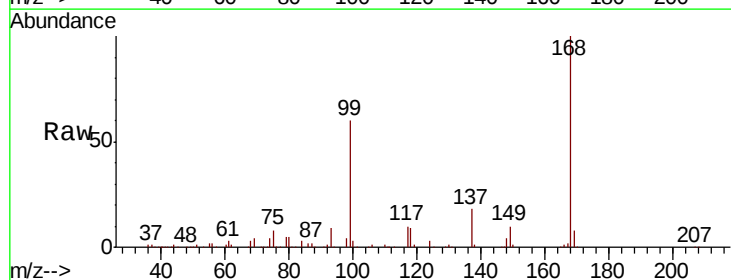
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129852ZHE#15

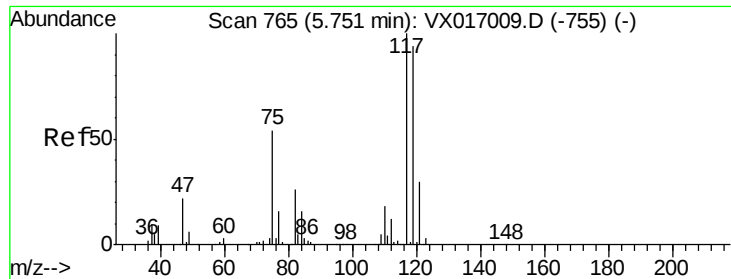
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	20.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017079.D
 Acq: 01 Jul 2020 05:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.1#
77	0.5	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.485 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#15

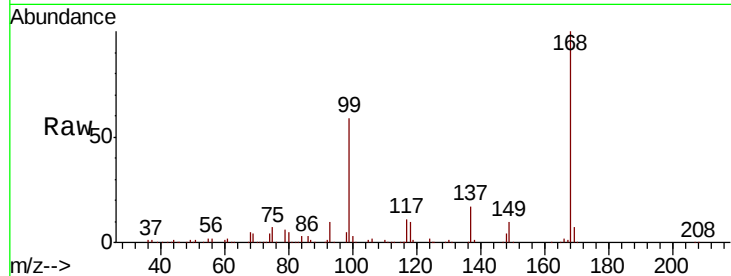
Tot Ion:117 Resp: 21686

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

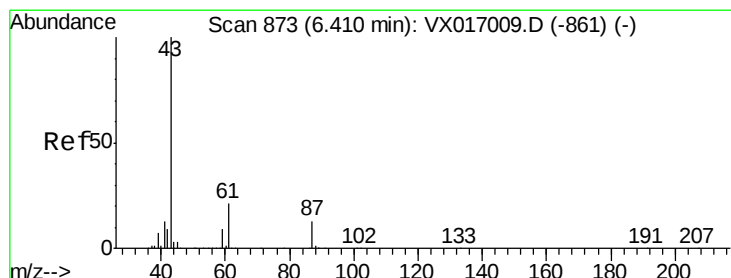
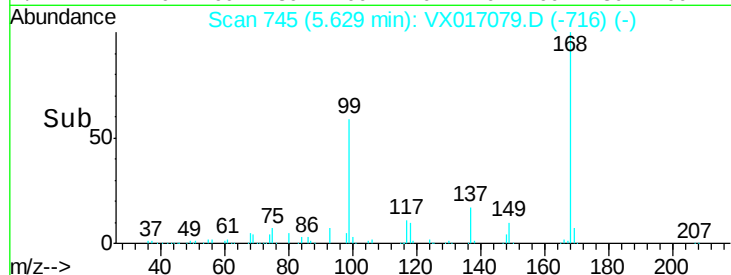
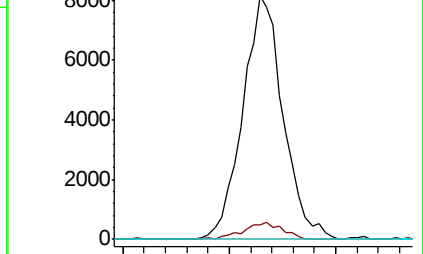
121 0.0 23.8 35.6#



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: 11.936 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

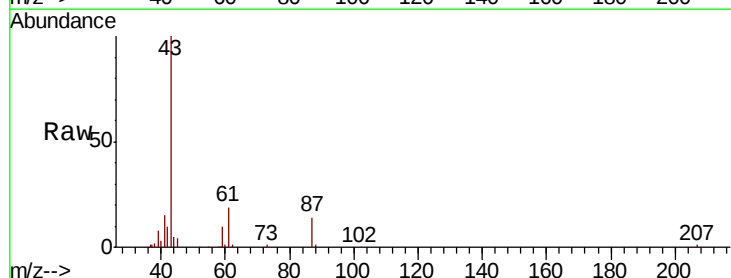
Tgt Ion: 43 Resp: 72236

Ion Ratio Lower Upper

43 100

61 21.0 16.2 24.2

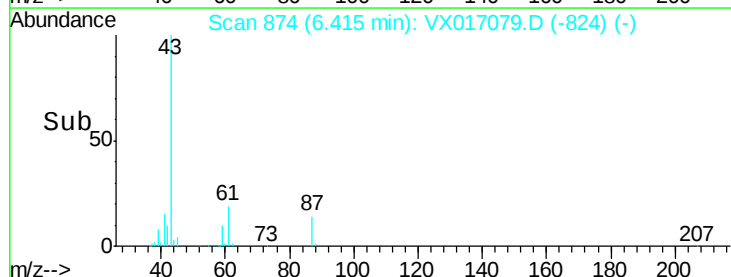
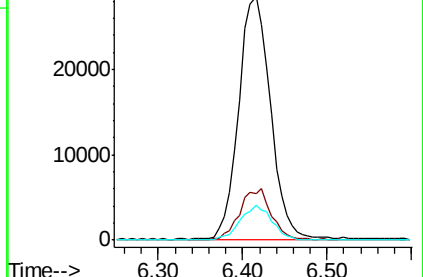
87 14.4 10.7 16.1

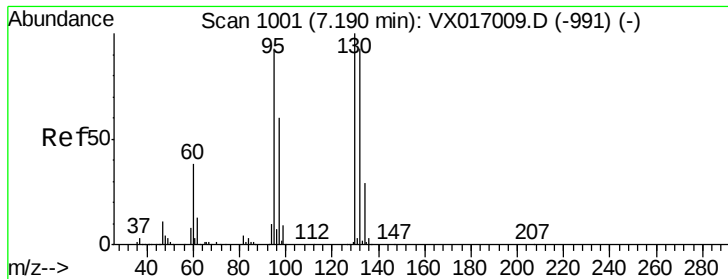


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

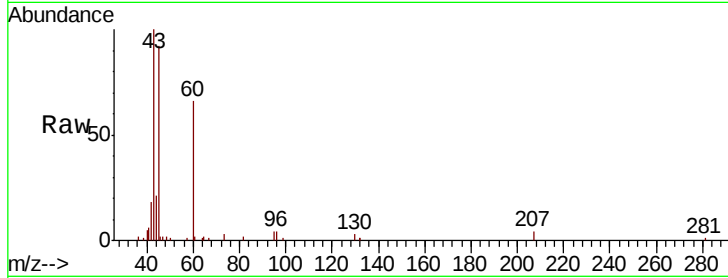
PB129852ZHE#15

Tot Ion:130 Resp: 172

Ion Ratio Lower Upper

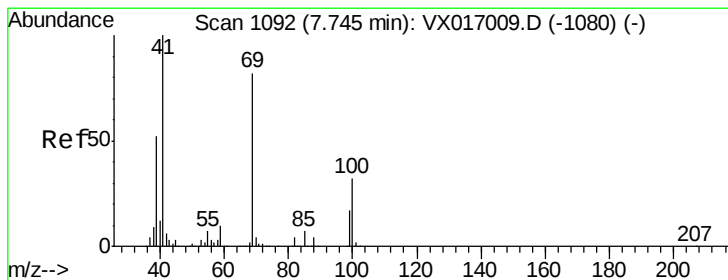
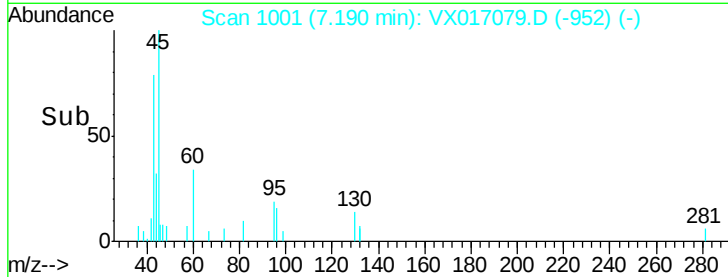
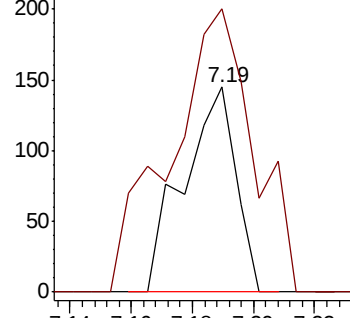
130 100

95 89.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 1.299 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.09 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

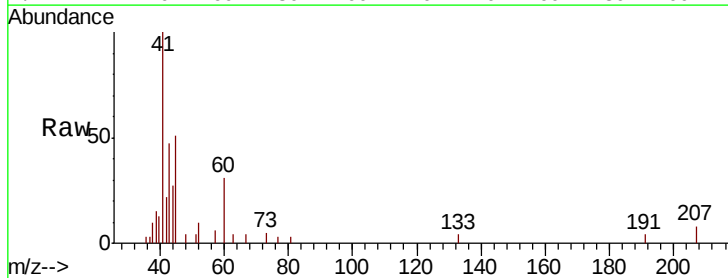
Tgt Ion: 41 Resp: 3736

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

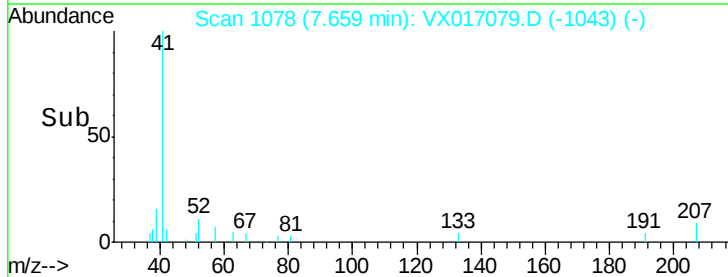
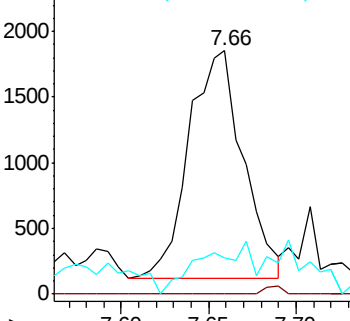
39 0.0 42.5 63.7#

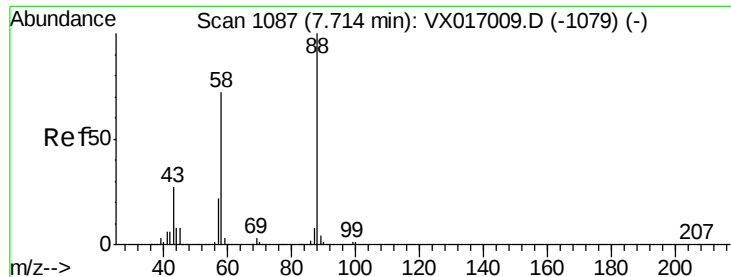


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

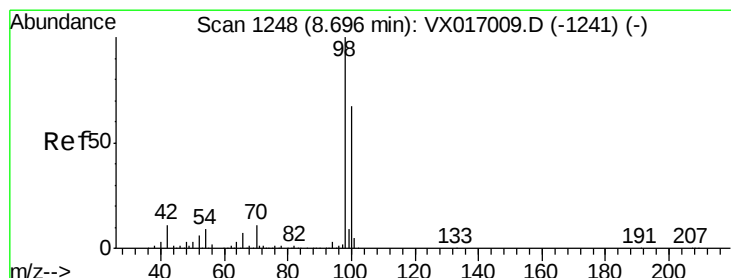
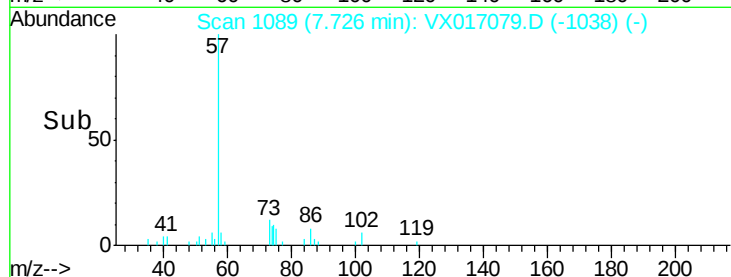
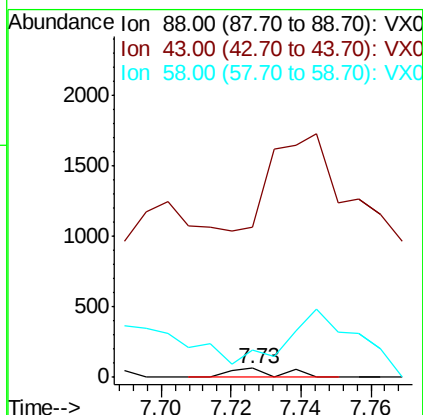
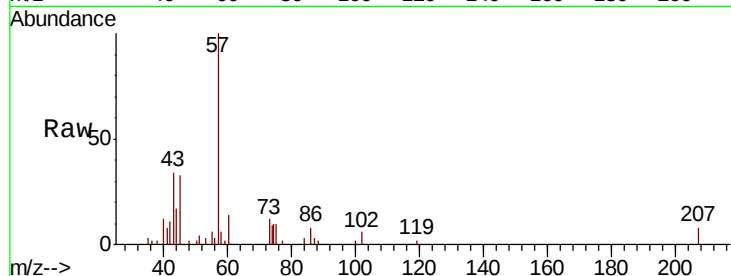




#49
1,4-Dioxane
Concen: 0.967 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

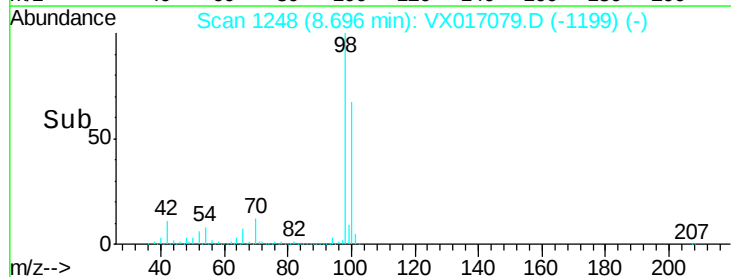
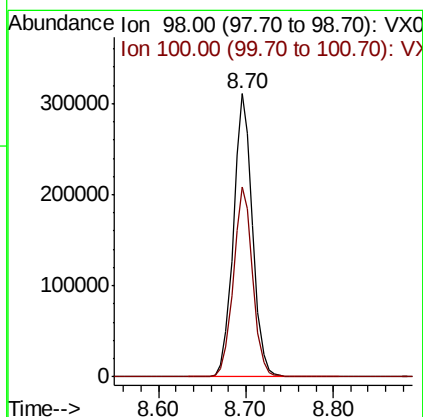
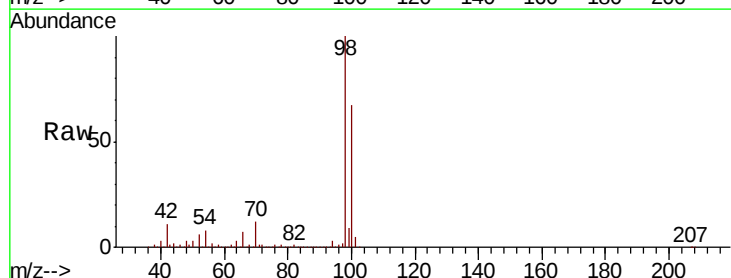
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#15

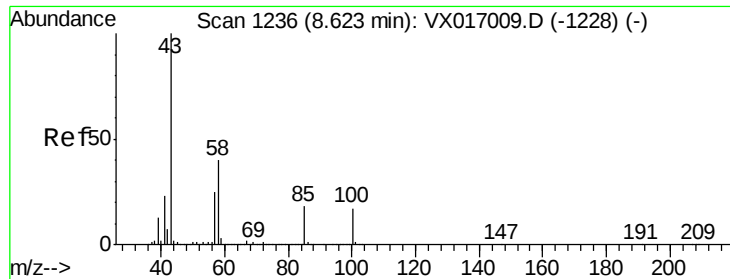
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 1154.0 54.8 82.2#



#50
Toluene-d8
Concen: 53.245 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

Tgt Ion: 98 Resp: 473025
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 19.970 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

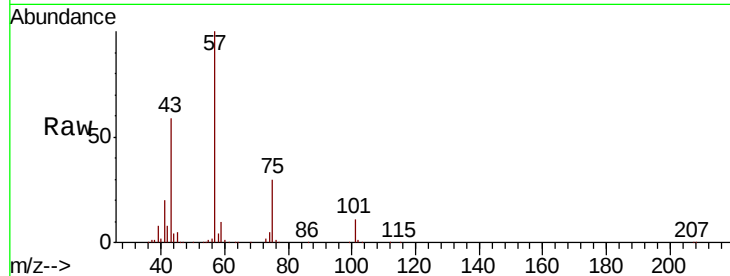
PB129852ZHE#15

Tot Ion: 43 Resp: 72045

Ion Ratio Lower Upper

43 100

58 6.7 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

40000

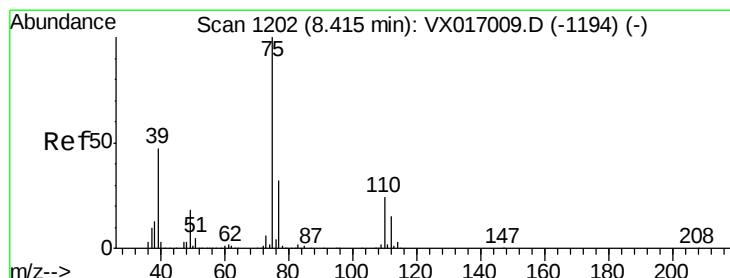
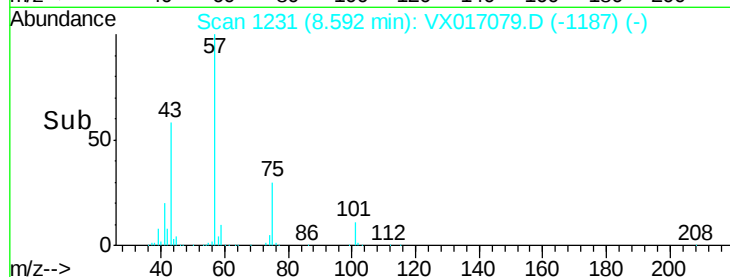
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#54

cis-1,3-Dichloropropene

Concen: 7.231 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

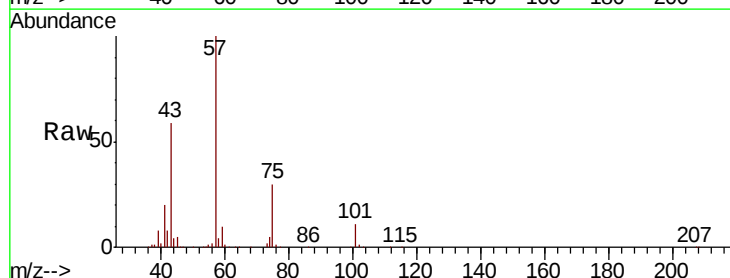
Tgt Ion: 75 Resp: 32595

Ion Ratio Lower Upper

75 100

77 1.5 25.2 37.8#

39 26.3 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.59

30000

25000

20000

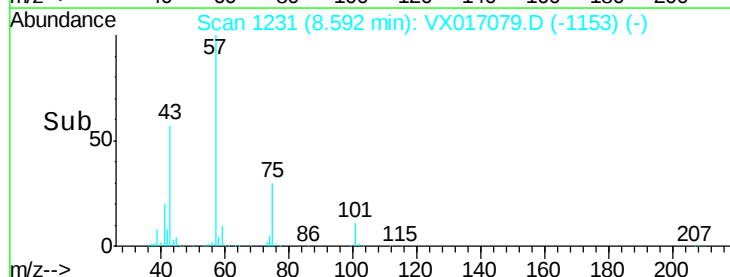
15000

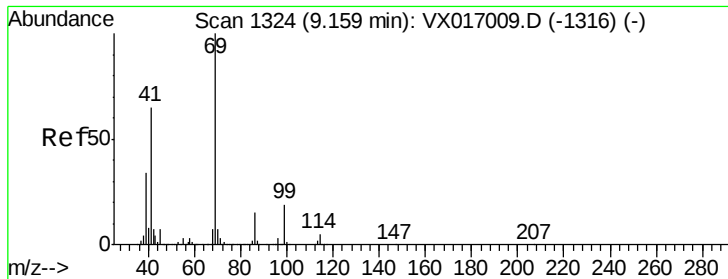
10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70





#56

Ethyl methacrylate

Concen: 0.380 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#15

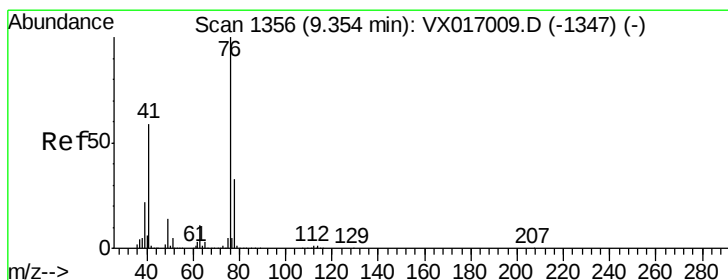
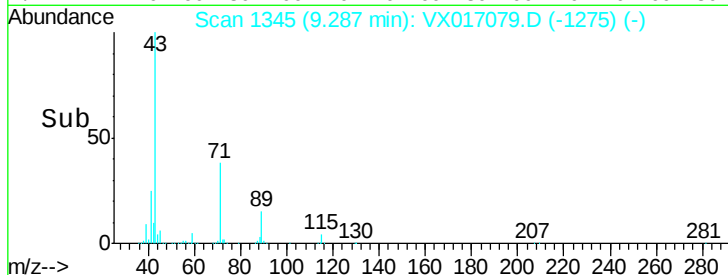
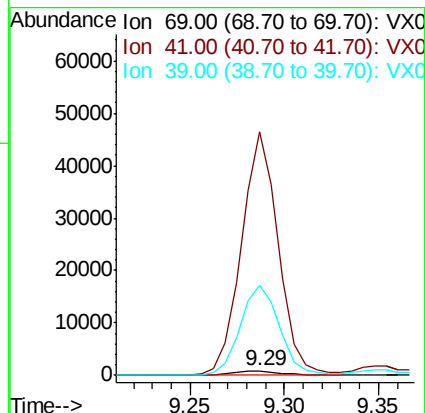
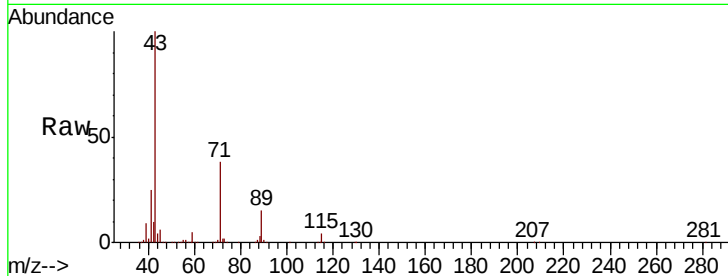
Tot Ion: 69 Resp: 1455

Ion Ratio Lower Upper

69 100

41 4316.6 53.6 80.4#

39 1700.3 28.2 42.2#



#57

1,3-Dichloropropane

Concen: 1.307 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017079.D

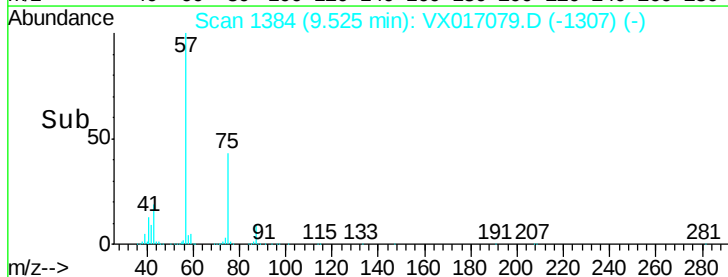
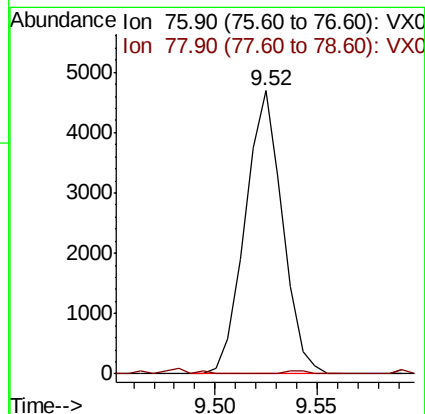
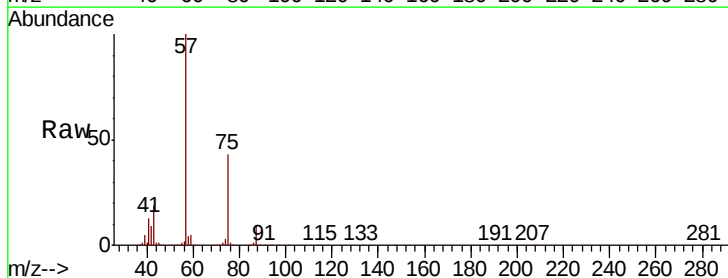
Acq: 01 Jul 2020 05:17

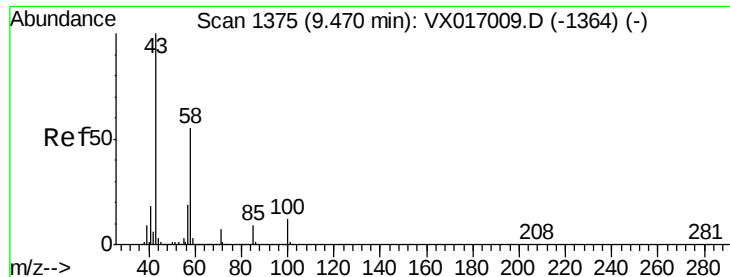
Tgt Ion: 76 Resp: 5950

Ion Ratio Lower Upper

76 100

78 0.6 25.9 38.9#

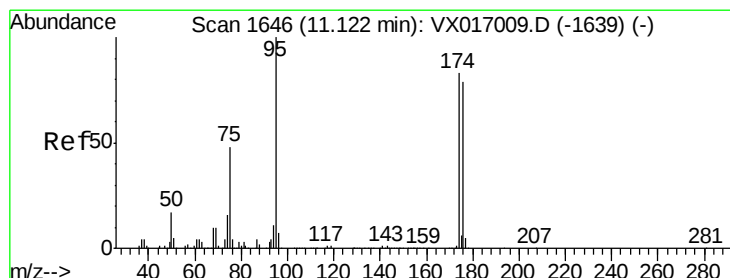
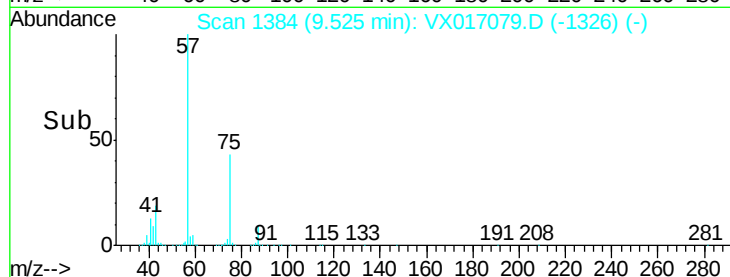
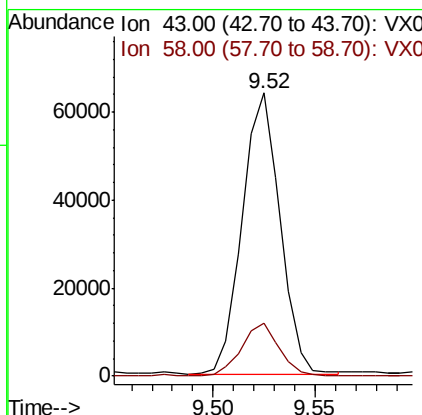
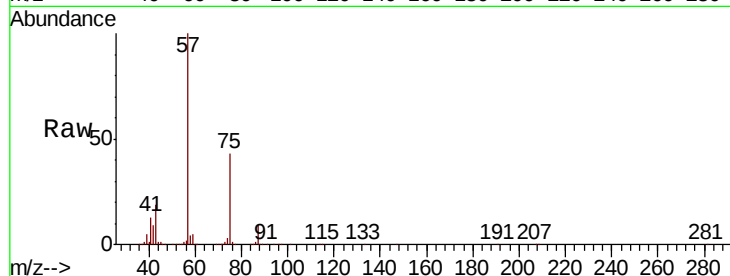




#59
2-Hexanone
Concen: 31.183 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

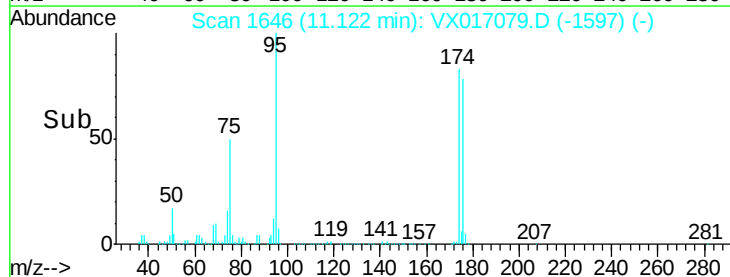
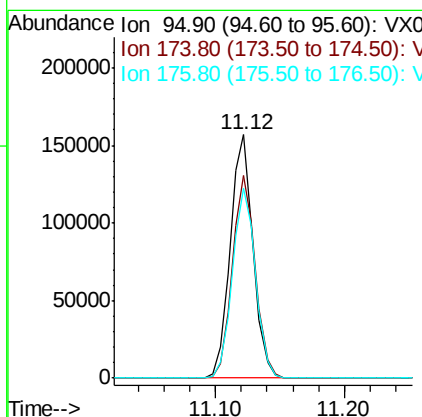
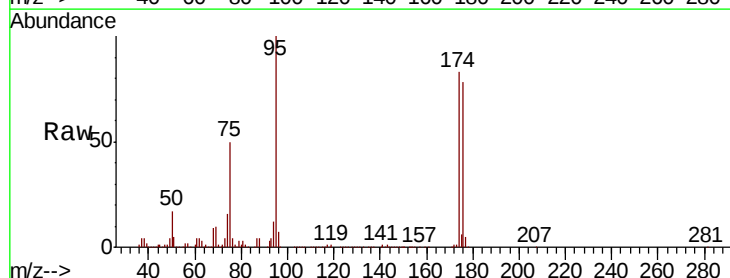
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#15

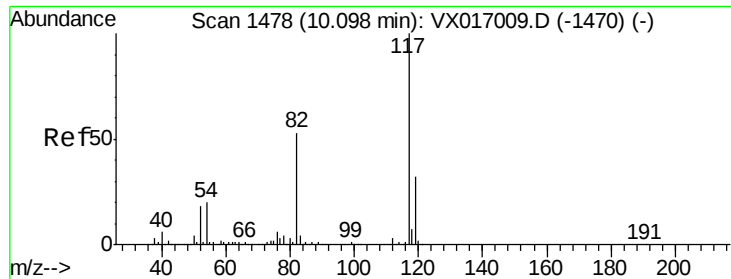
Tot Ion: 43 Resp: 82158
Ion Ratio Lower Upper
43 100
58 19.1 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 55.982 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

Tgt Ion: 95 Resp: 194418
Ion Ratio Lower Upper
95 100
174 83.4 0.0 164.0
176 79.3 0.0 157.6

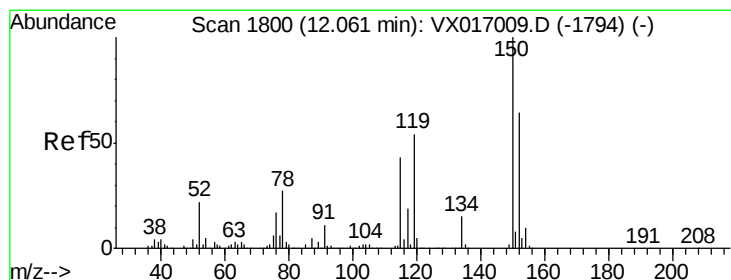
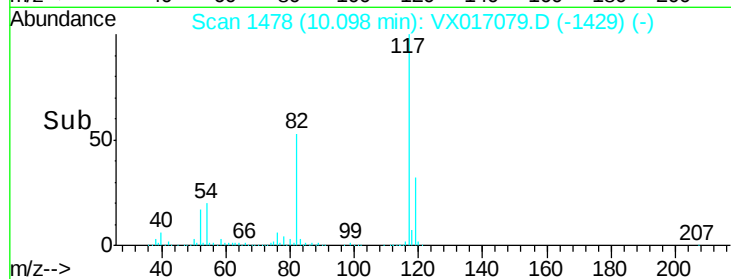
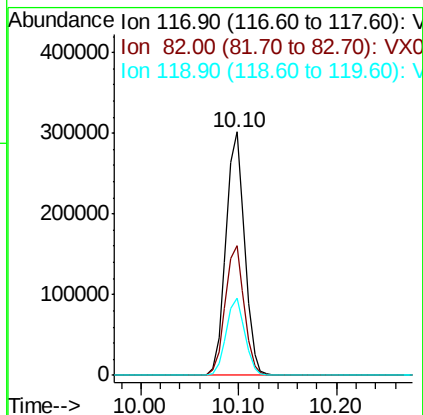
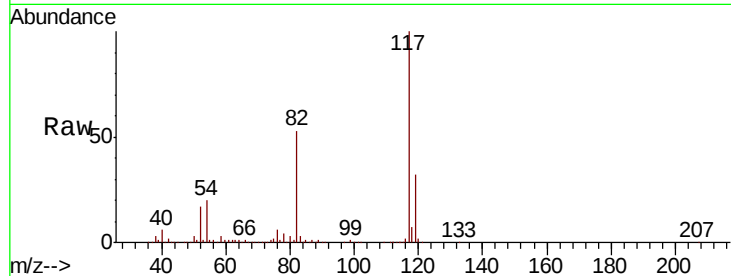




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

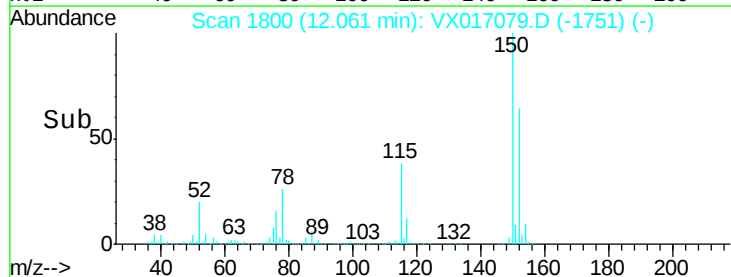
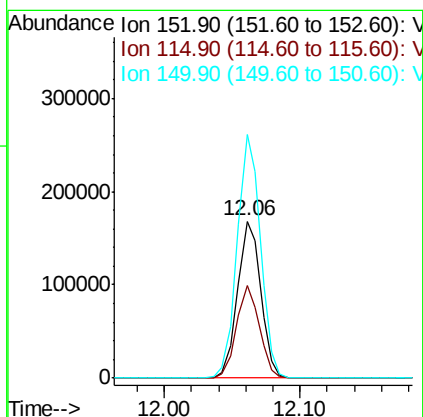
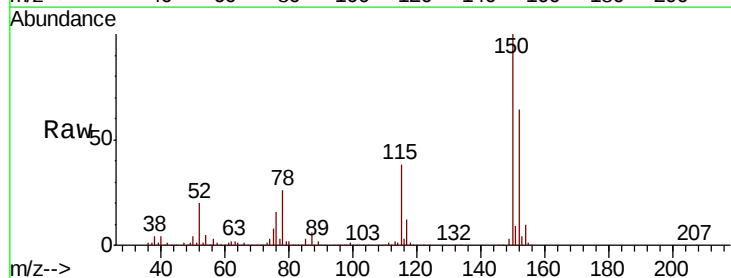
Instrument :
MSVOA_X
ClientSampleId :
PB129852ZHE#15

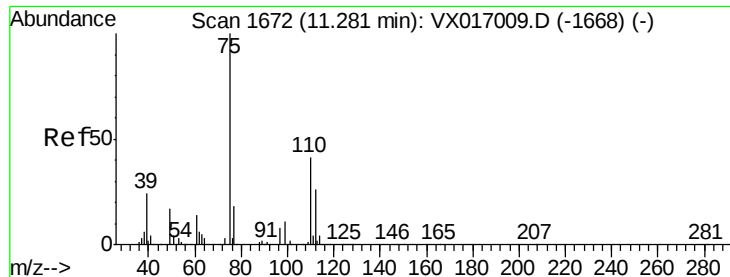
Tot Ion:117 Resp: 402047
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017079.D
Acq: 01 Jul 2020 05:17

Tgt Ion:152 Resp: 200602
Ion Ratio Lower Upper
152 100
115 57.9 40.9 122.7
150 155.0 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 24.494 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

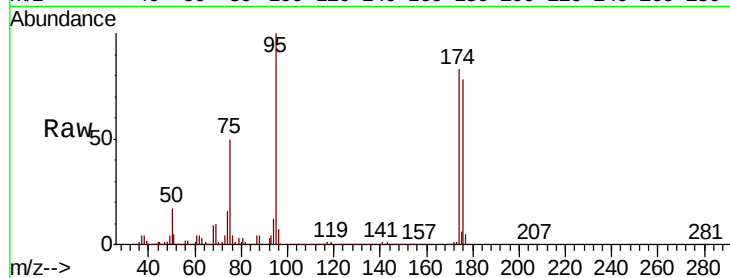
PB129852ZHE#15

Tot Ion: 75 Resp: 96624

Ion Ratio Lower Upper

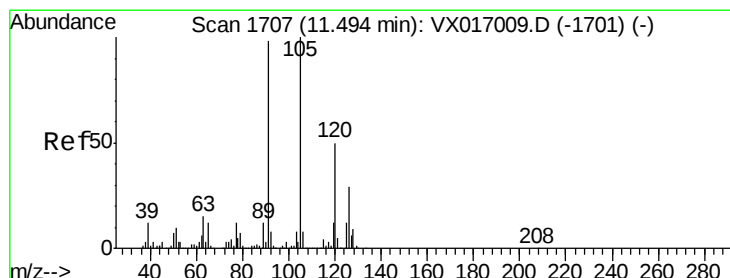
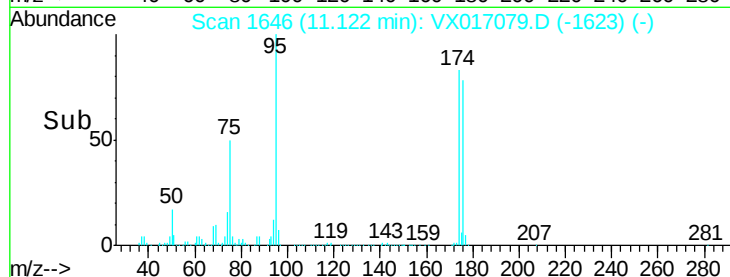
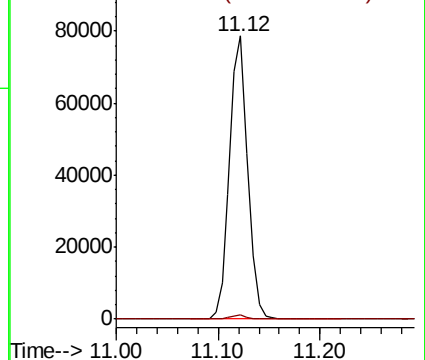
75 100

77 1.3 20.2 60.6#



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: 0.667 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017079.D

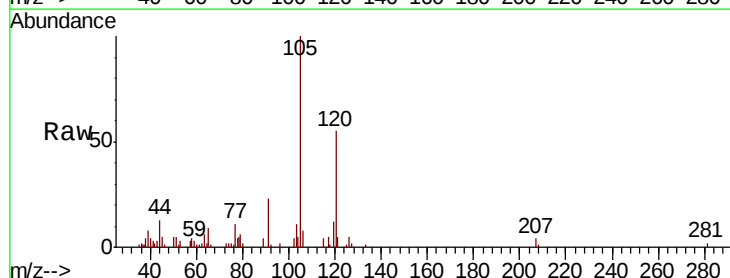
Acq: 01 Jul 2020 05:17

Tgt Ion: 105 Resp: 7270

Ion Ratio Lower Upper

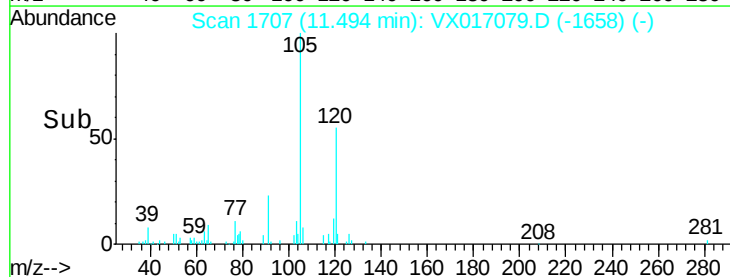
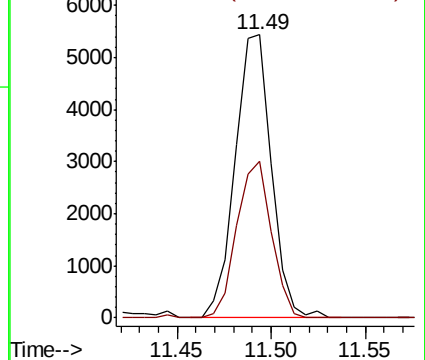
105 100

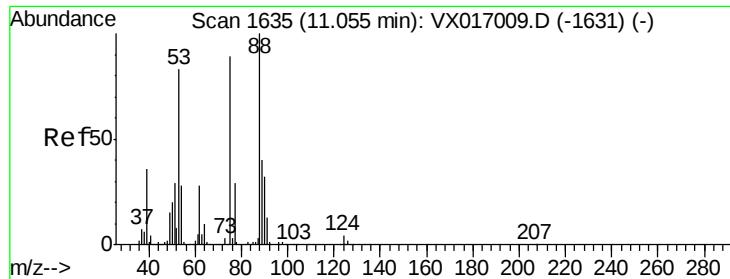
120 52.9 24.9 74.6



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: 63.432 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

Instrument :

MSVOA_X

ClientSampleId :

PB129852ZHE#15

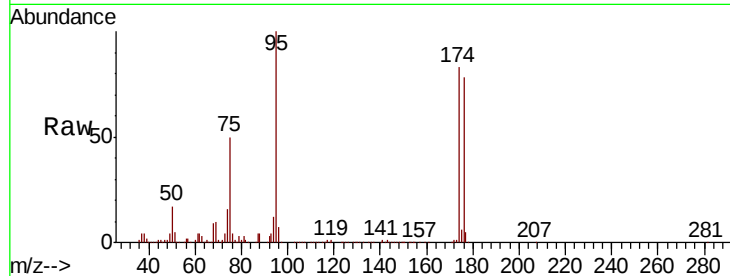
Tot Ion: 75 Resp: 96624

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

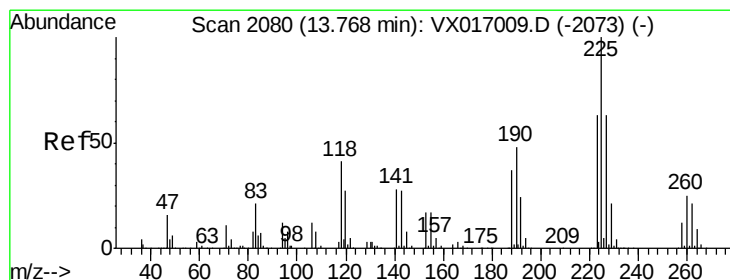
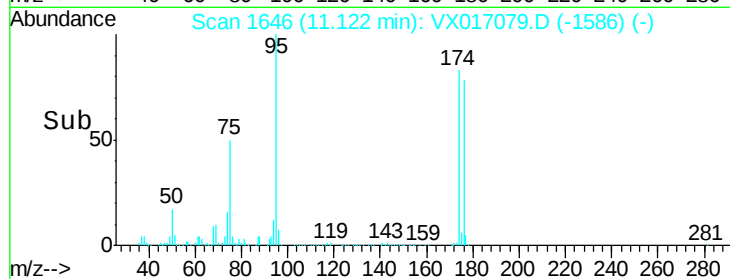
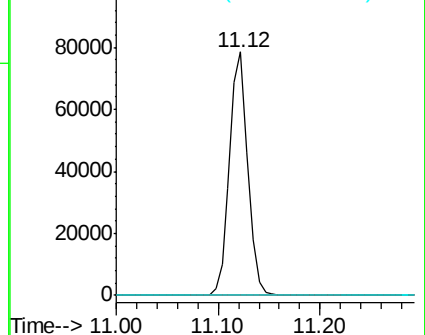
89 0.0 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 0.917 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017079.D

Acq: 01 Jul 2020 05:17

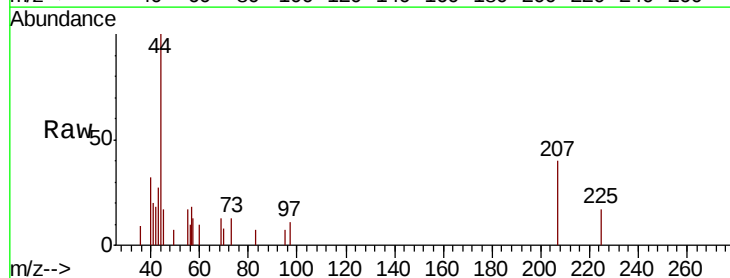
Tgt Ion: 225 Resp: 118

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

