

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016645.D
 Acq On : 08 Jun 2020 18:20
 Operator : JC/SP
 Sample : PB129340ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#12

Quant Time: Jun 09 05:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	225318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	357970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188301	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	133224	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	5.47	113	109470	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	8.70	98	451636	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.12	95	178507	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

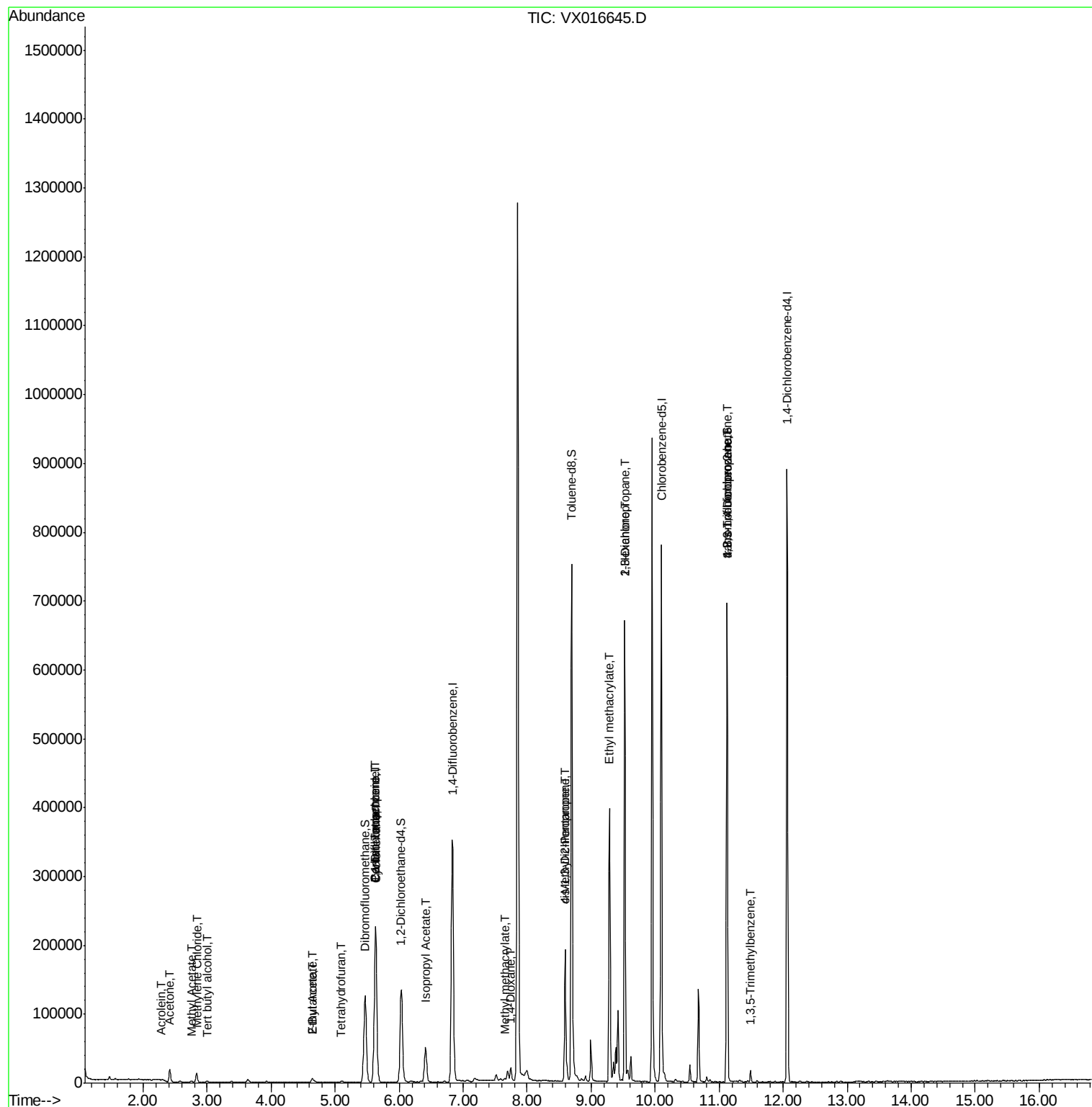
Target Compounds						Qvalue
11) Tert butyl alcohol	3.00	59	528	0.74	ug/l #	72
13) Acrolein	2.28	56	423	1.39	ug/l #	81
16) Acetone	2.42	43	18499	15.09	ug/l	97
18) Methyl Acetate	2.75	43	3076	0.98	ug/l	91
20) Methylene Chloride	2.84	84	6415	2.53	ug/l	91
25) 2-Butanone	4.64	43	4346	2.09	ug/l	100
29) Tetrahydrofuran	5.10	42	1645	1.23	ug/l	93
31) Cyclohexane	5.64	56	4073	1.05	ug/l #	26
36) 1,1-Dichloropropene	5.63	75	15498	4.57	ug/l #	52
37) Ethyl Acetate	4.64	43	4296	1.06	ug/l #	67
38) Carbon Tetrachloride	5.63	117	21585	6.06	ug/l #	16
43) Isopropyl Acetate	6.41	43	67883	10.70	ug/l	98
48) Methyl methacrylate	7.65	41	3851	1.27	ug/l #	14
49) 1,4-Dioxane	7.74	88	42	0.59	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	67436	17.06	ug/l #	44
54) cis-1,3-Dichloropropene	8.60	75	33052	7.68	ug/l #	59
56) Ethyl methacrylate	9.29	69	1331	0.32	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5813	1.34	ug/l #	42
59) 2-Hexanone	9.52	43	68975	22.44	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	87247	21.08	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	7668	0.70	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	87247	51.85	ug/l #	14

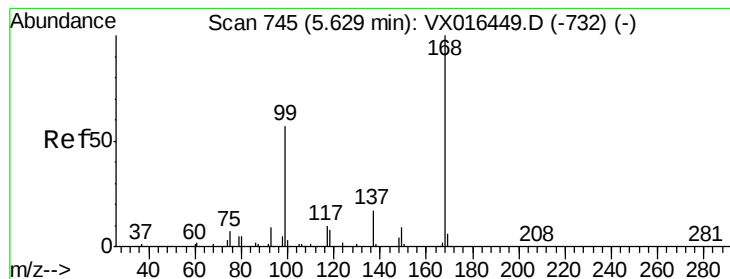
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

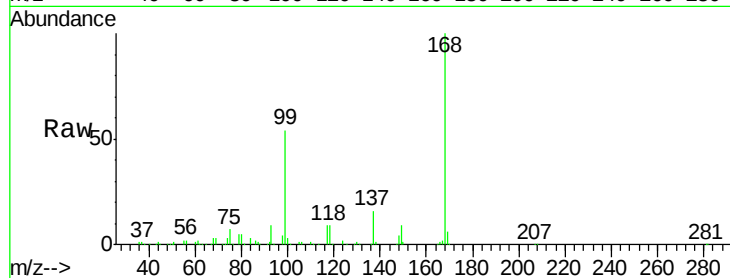
PB129340ZHE#12

Tgt Ion:168 Resp: 225318

Ion Ratio Lower Upper

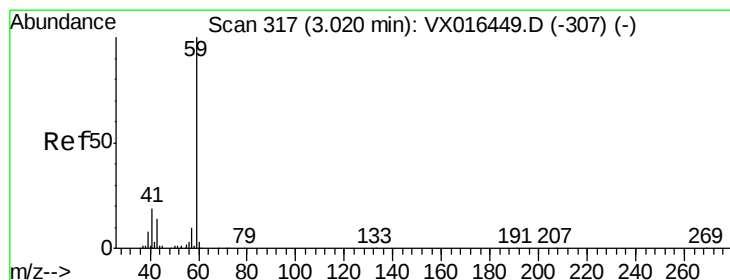
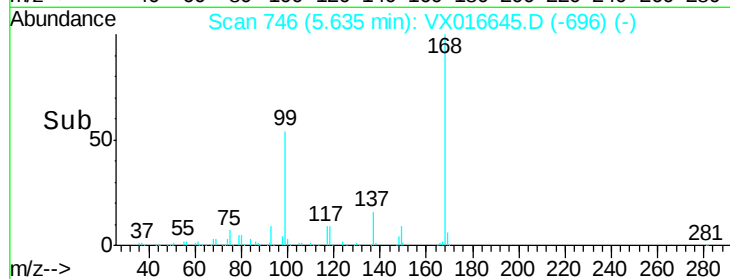
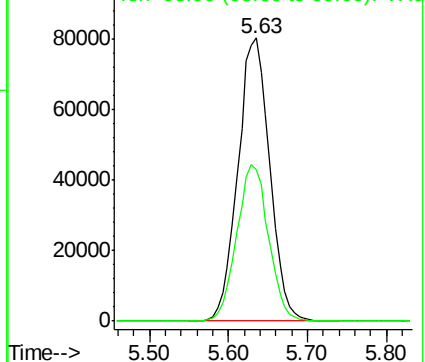
168 100

99 53.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.74 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016645.D

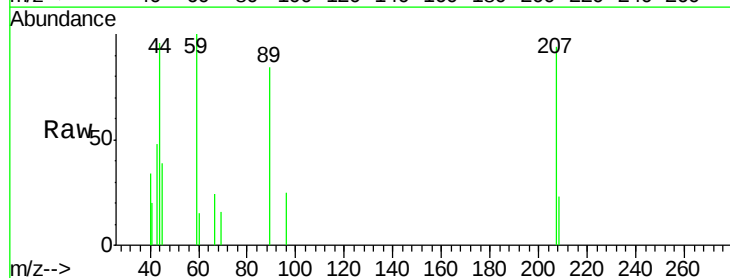
Acq: 08 Jun 2020 18:20

Tgt Ion: 59 Resp: 528

Ion Ratio Lower Upper

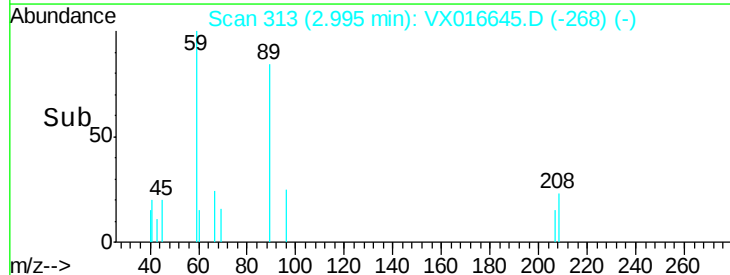
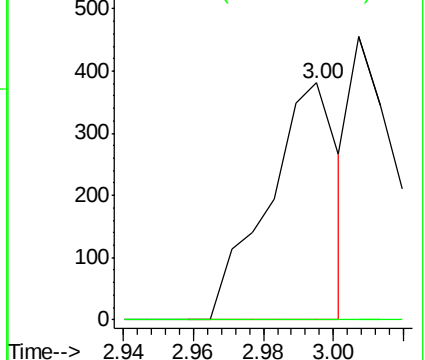
59 100

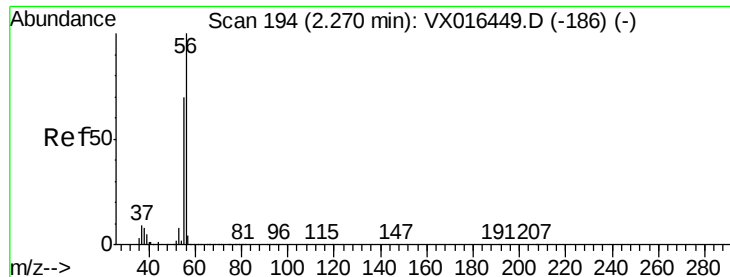
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.39 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

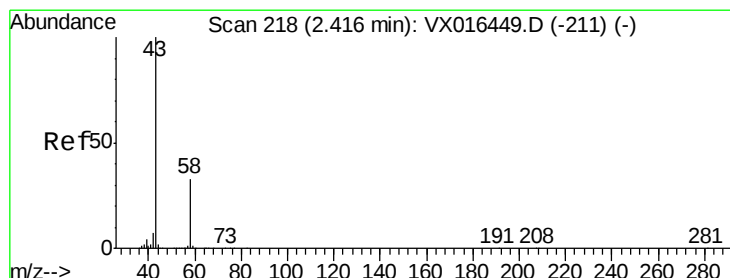
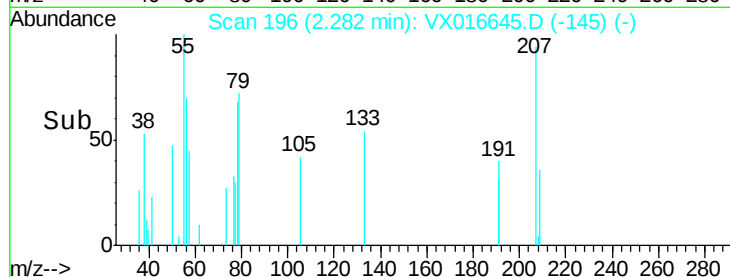
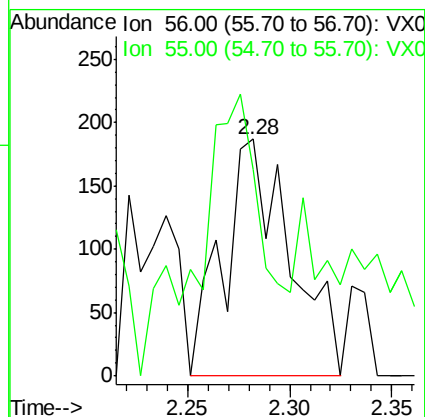
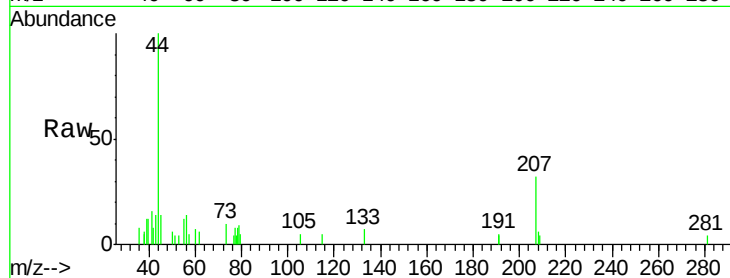
PB129340ZHE#12

Tgt Ion: 56 Resp: 423

Ion Ratio Lower Upper

56 100

55 56.7 58.3 87.5#



#16

Acetone

Concen: 15.09 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016645.D

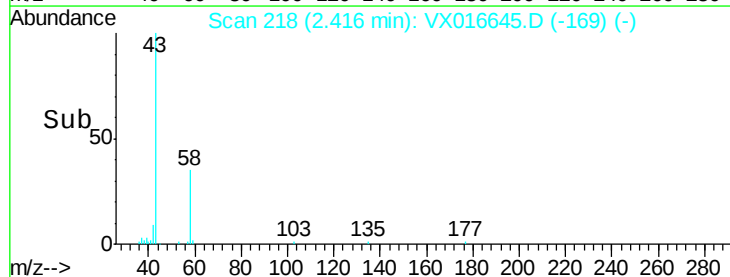
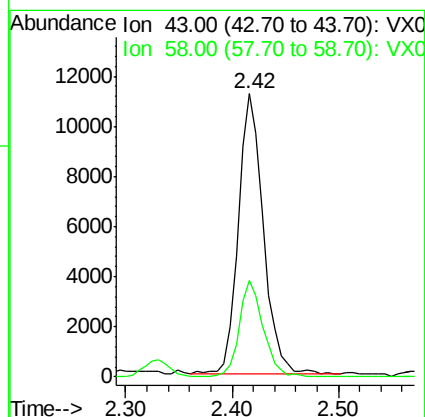
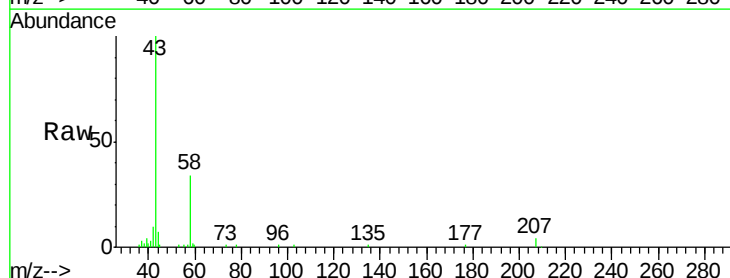
Acq: 08 Jun 2020 18:20

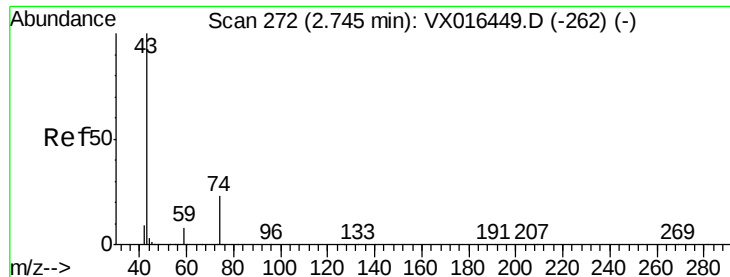
Tgt Ion: 43 Resp: 18499

Ion Ratio Lower Upper

43 100

58 34.3 26.1 39.1

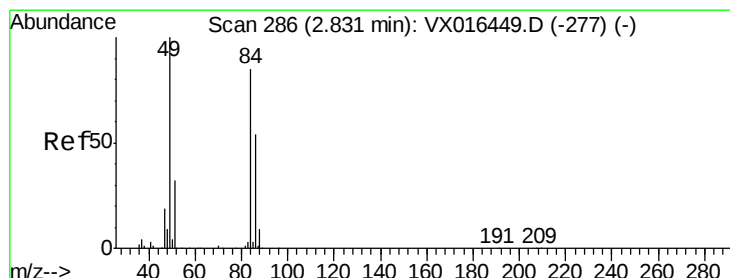
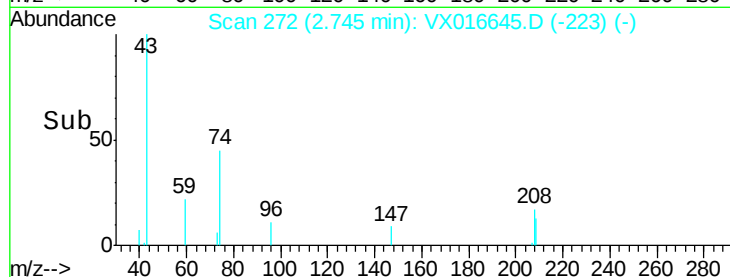
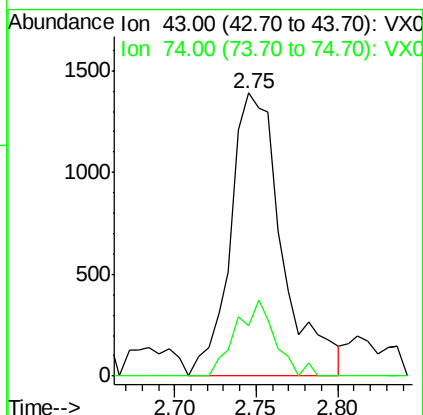
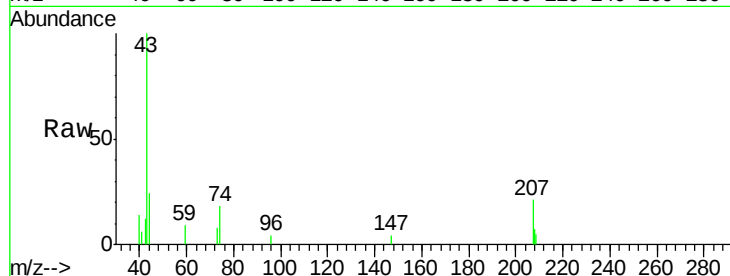




#18
Methyl Acetate
Concen: 0.98 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

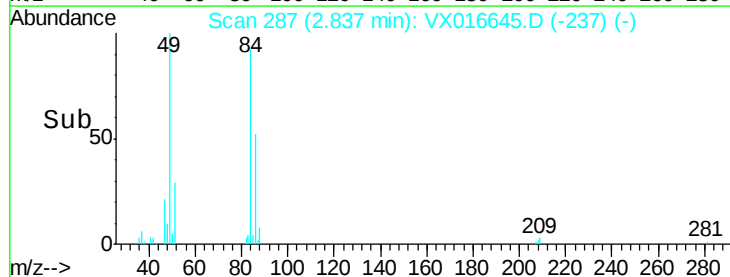
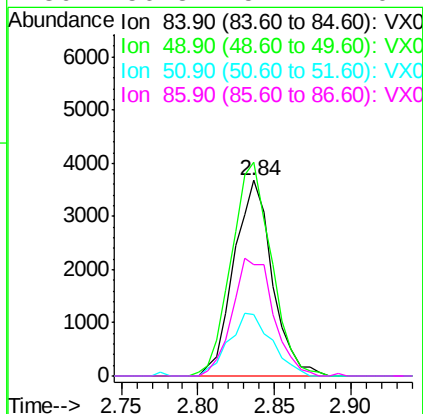
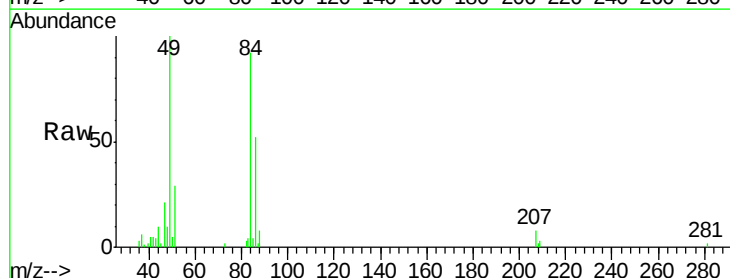
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#12

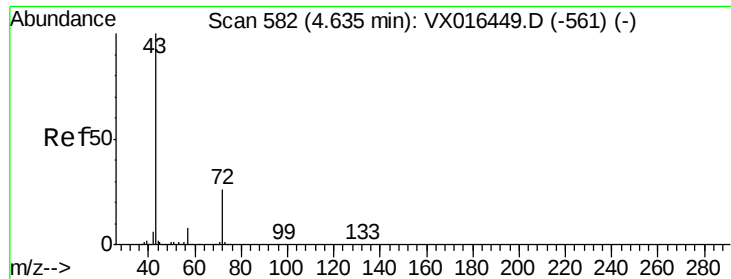
Tgt Ion: 43 Resp: 3076
Ion Ratio Lower Upper
43 100
74 20.3 19.7 29.5



#20
Methylene Chloride
Concen: 2.53 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 84 Resp: 6415
Ion Ratio Lower Upper
84 100
49 109.1 94.5 141.7
51 31.2 30.2 45.4
86 56.8 51.1 76.7





#25

2-Butanone

Concen: 2.09 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

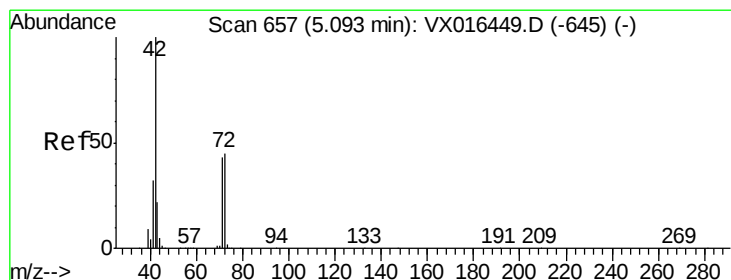
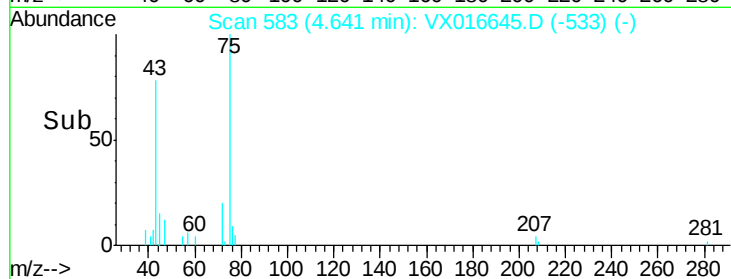
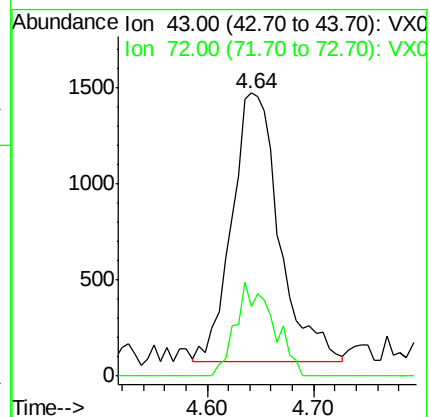
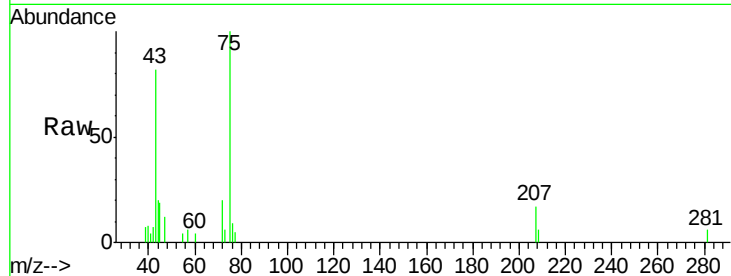
PB129340ZHE#12

Tgt Ion: 43 Resp: 4346

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.6



#29

Tetrahydrofuran

Concen: 1.23 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

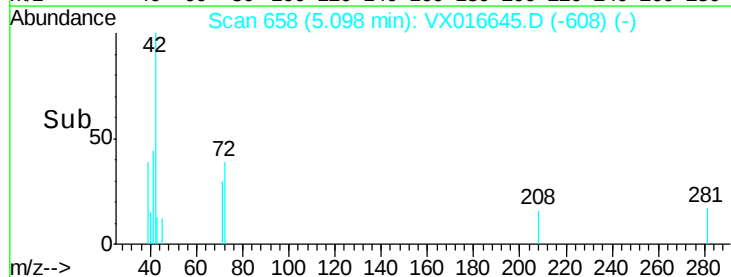
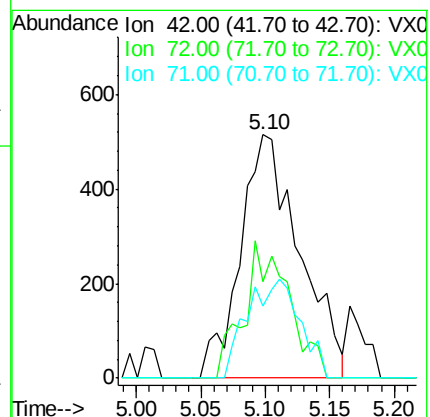
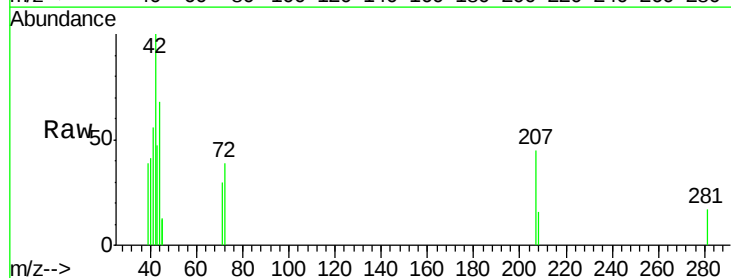
Tgt Ion: 42 Resp: 1645

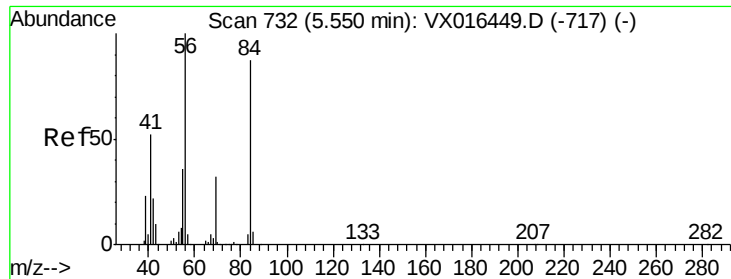
Ion Ratio Lower Upper

42 100

72 42.9 37.0 55.4

71 36.3 34.1 51.1

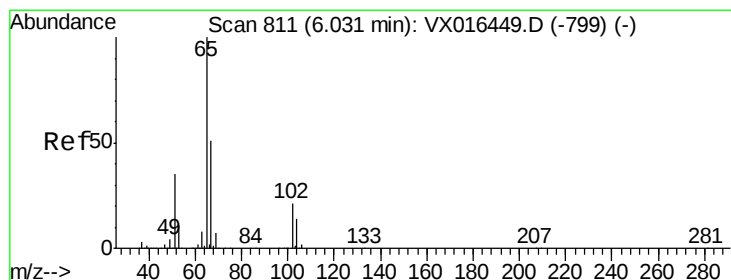
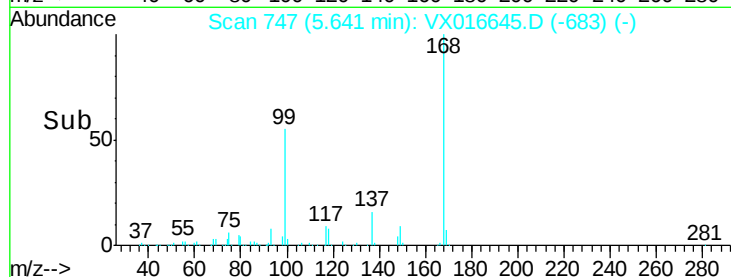
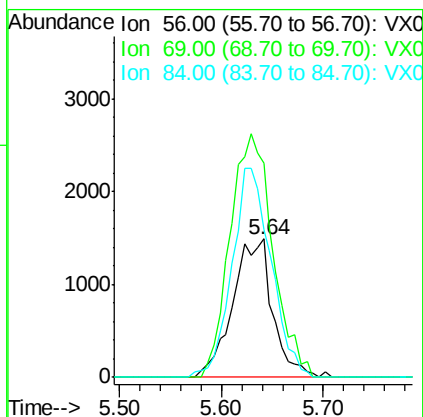
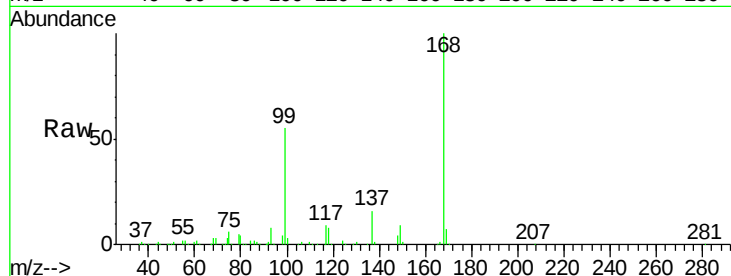




#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.64 min Scan# 747
Delta R.T. 0.09 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

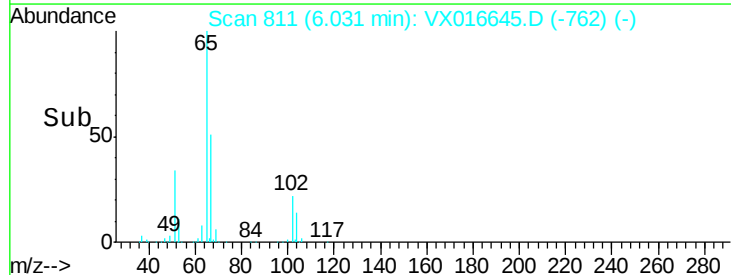
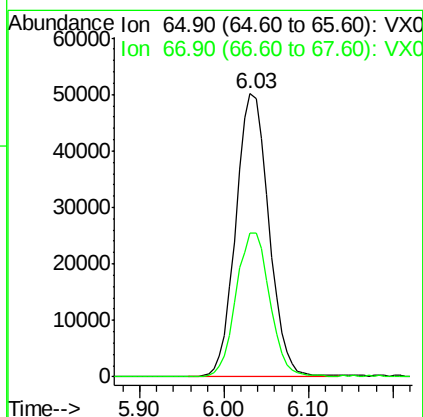
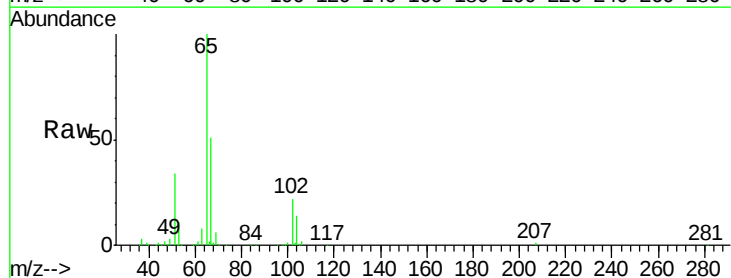
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#12

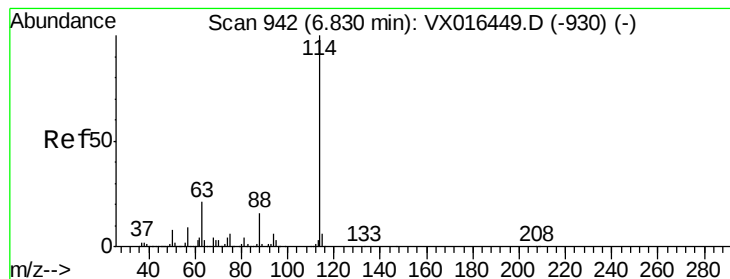
Tgt Ion: 56 Resp: 4073
Ion Ratio Lower Upper
56 100
69 154.7 25.7 38.5#
84 107.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.61 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 65 Resp: 133224
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#12

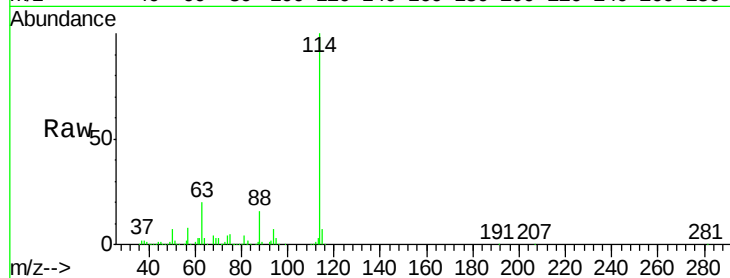
Tgt Ion:114 Resp: 357970

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

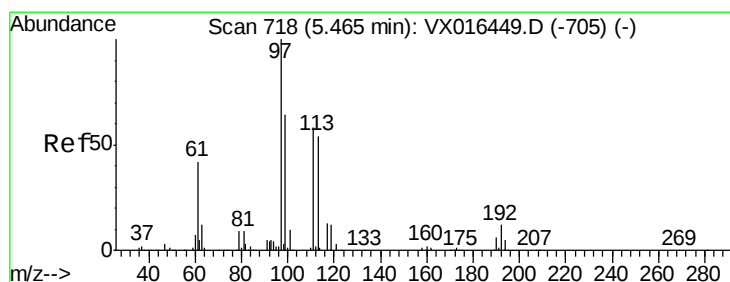
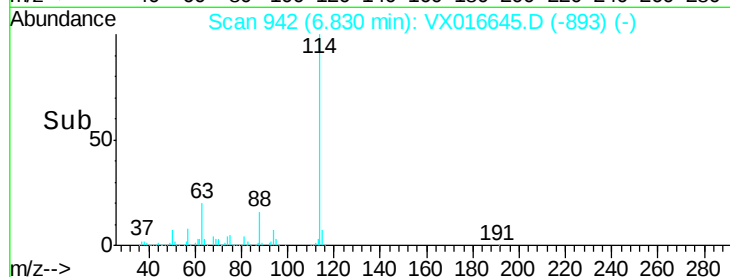
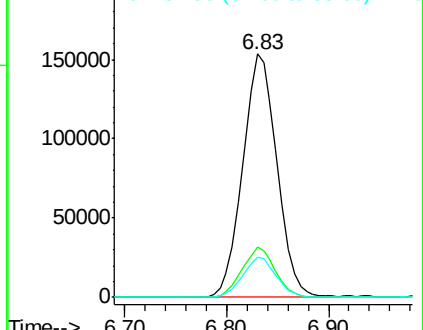
88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.66 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

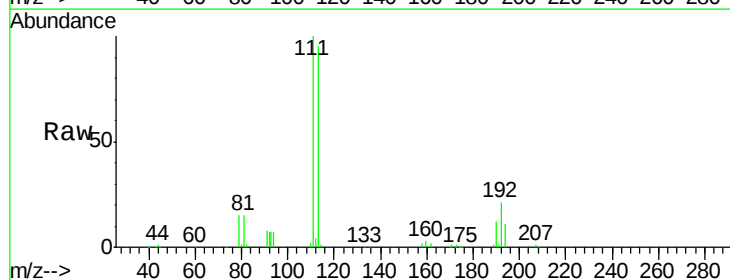
Tgt Ion:113 Resp: 109470

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

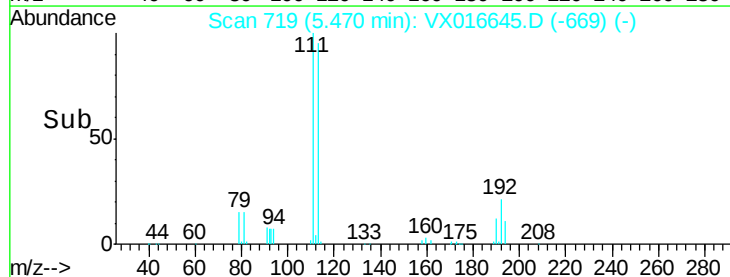
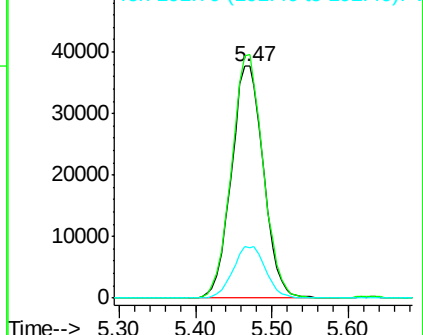
192 22.7 17.7 26.5

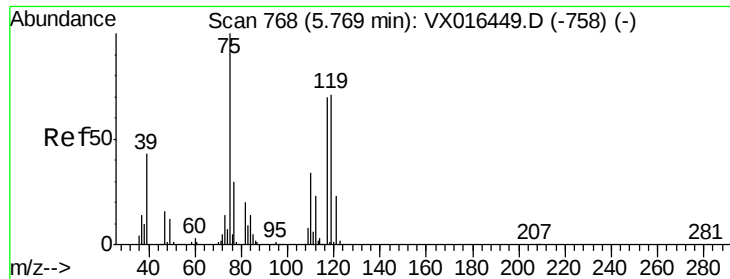


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

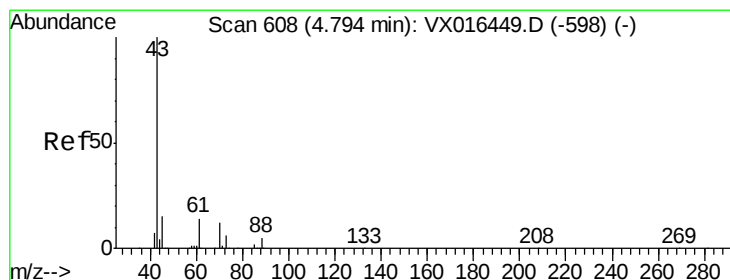
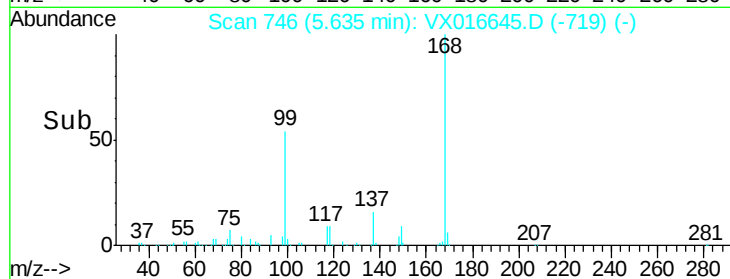
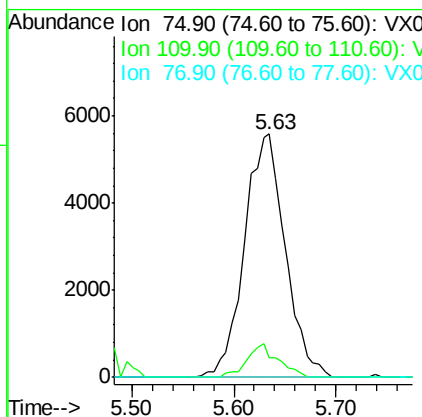
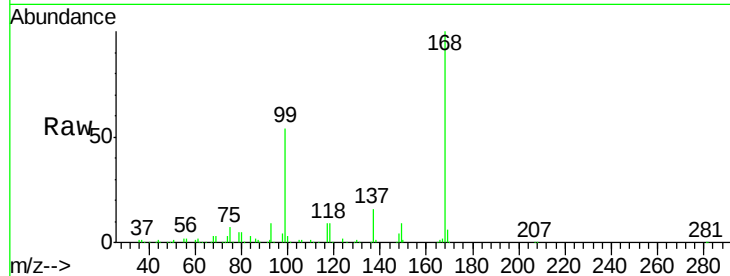




#36
 1,1-Dichloropropene
 Concen: 4.57 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016645.D
 Acq: 08 Jun 2020 18:20

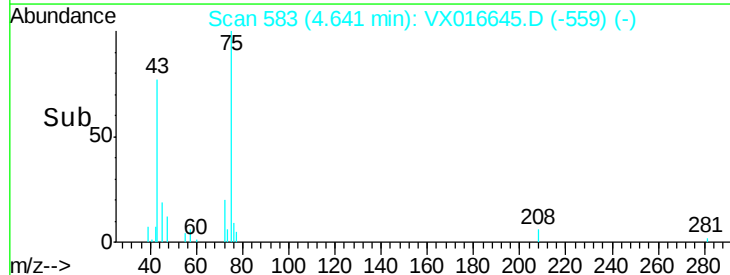
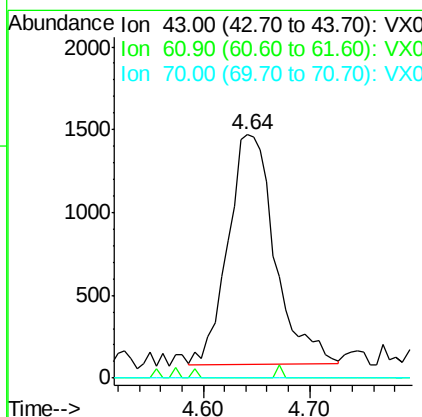
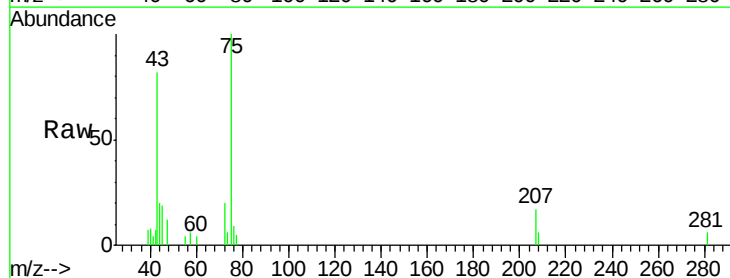
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#12

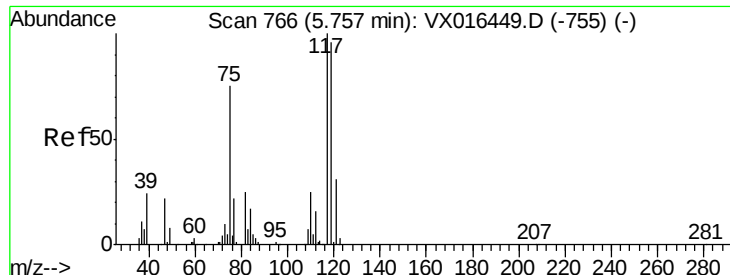
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.4	52.3#
77	0.0	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 1.06 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX016645.D
 Acq: 08 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 6.06 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#12

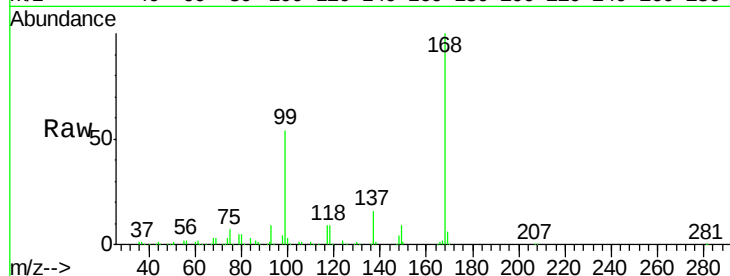
Tgt Ion:117 Resp: 21585

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

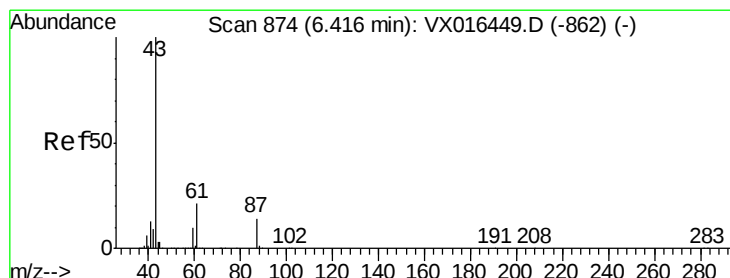
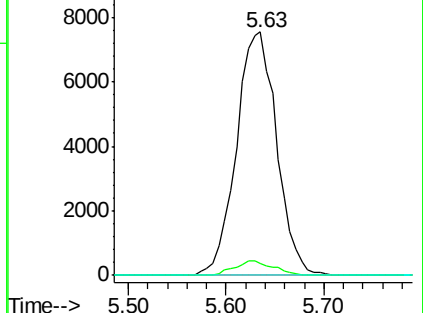
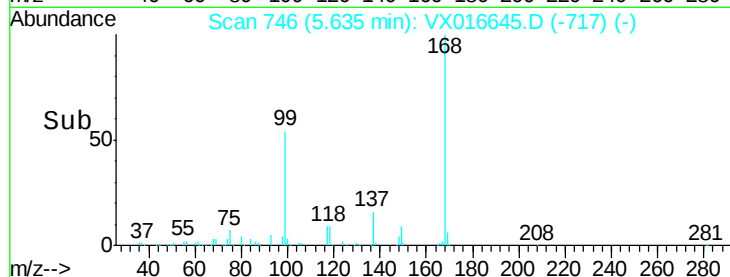
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.70 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

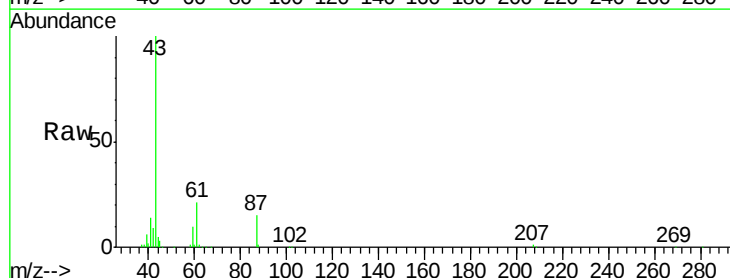
Tgt Ion: 43 Resp: 67883

Ion Ratio Lower Upper

43 100

61 21.6 16.8 25.2

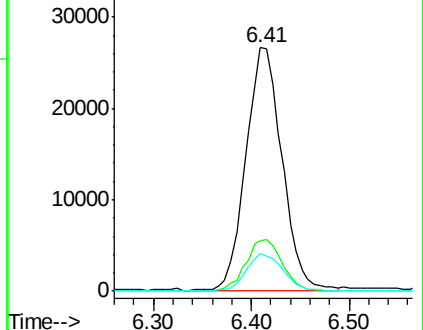
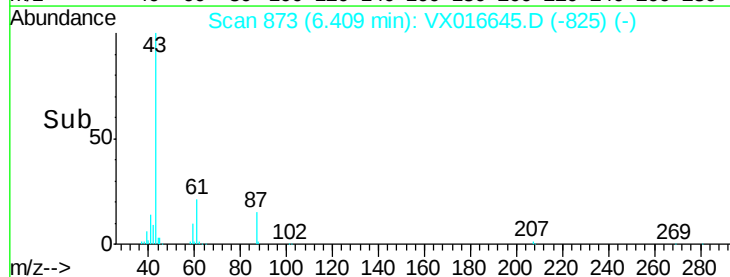
87 15.7 11.2 16.8

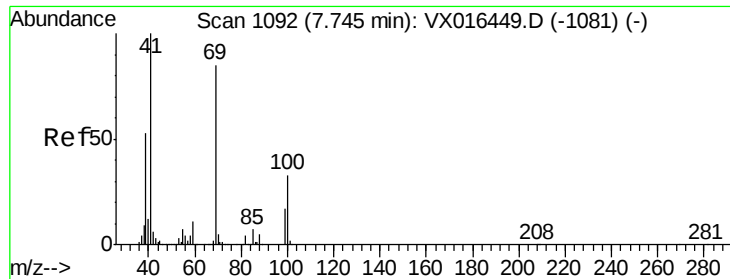


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

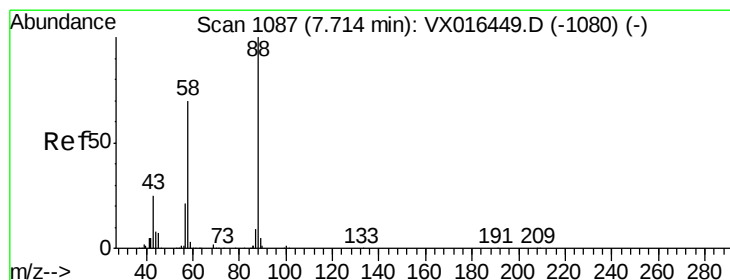
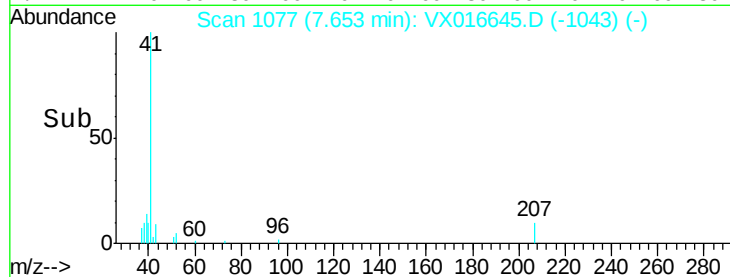
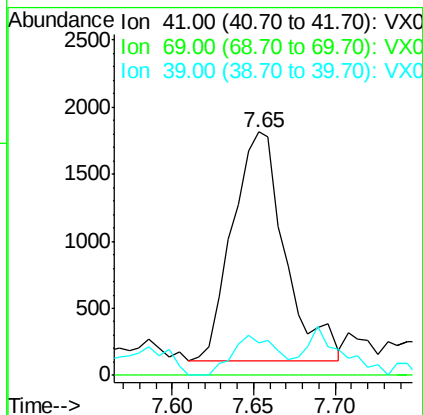
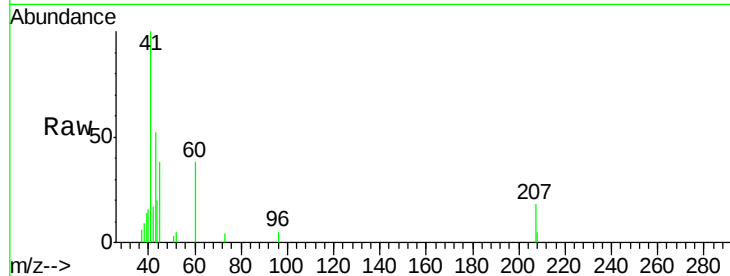




#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

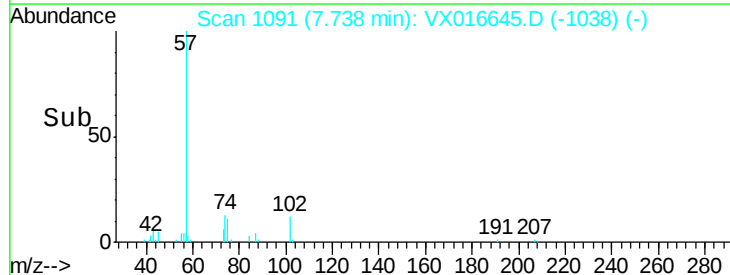
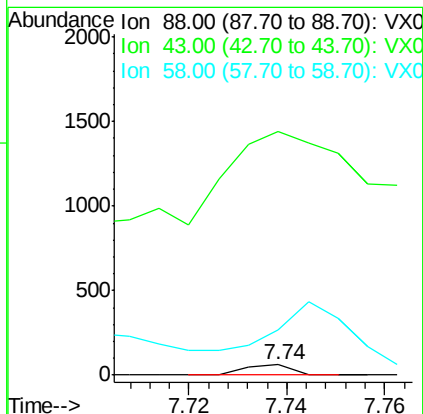
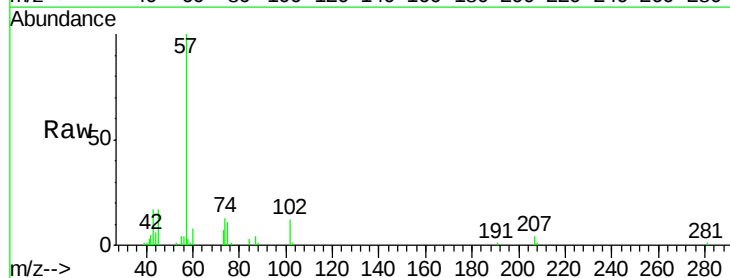
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#12

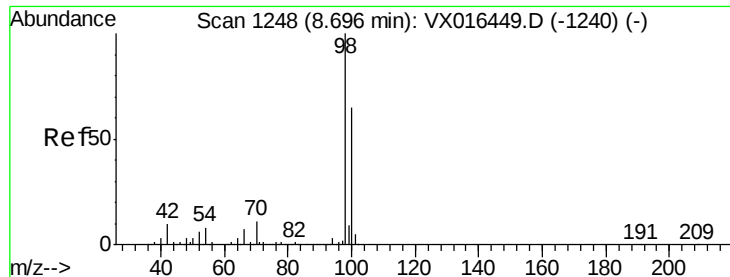
Tgt Ion: 41 Resp: 3851
Ion Ratio Lower Upper
41 100
69 0.0 68.6 102.8#
39 0.0 42.4 63.6#



#49
1,4-Dioxane
Concen: 0.59 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX016645.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 1378.6 56.5 84.7#





#50

Toluene-d8

Concen: 52.64 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

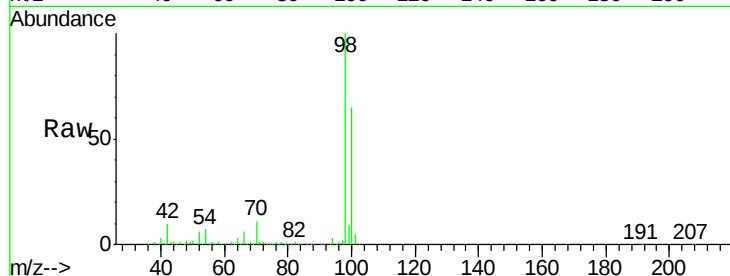
PB129340ZHE#12

Tgt Ion: 98 Resp: 451636

Ion Ratio Lower Upper

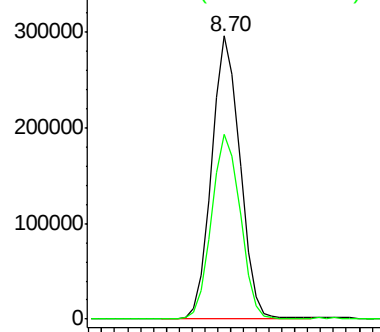
98 100

100 66.2 53.8 80.6

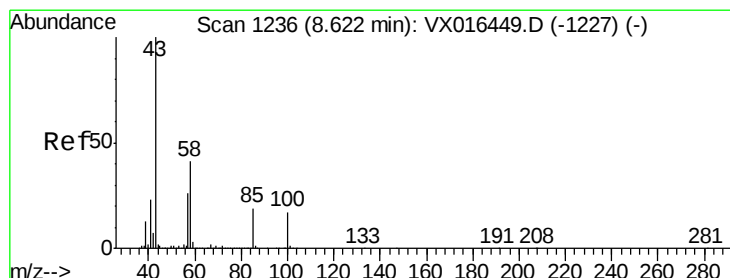
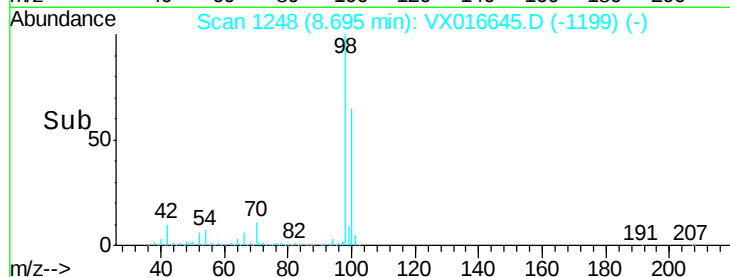


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



Time--> 8.60 8.65 8.70 8.75 8.80



#51

4-Methyl-2-Pentanone

Concen: 17.06 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016645.D

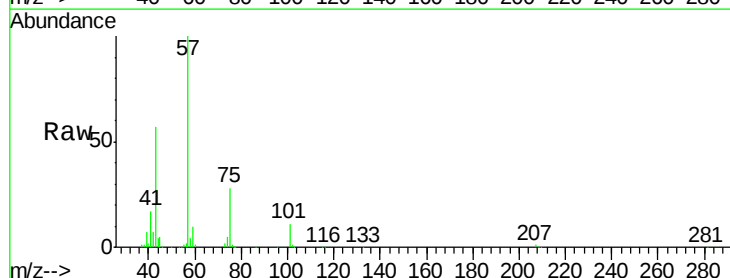
Acq: 08 Jun 2020 18:20

Tgt Ion: 43 Resp: 67436

Ion Ratio Lower Upper

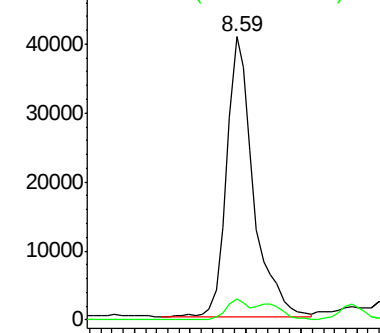
43 100

58 6.1 33.0 49.6#

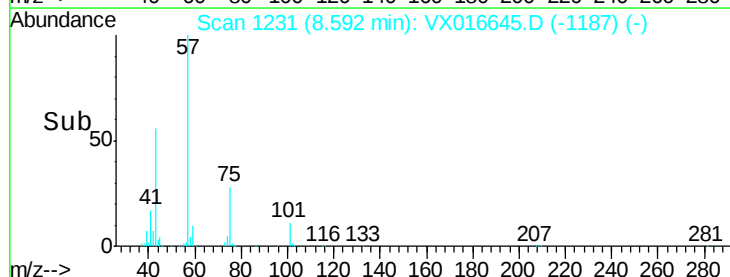


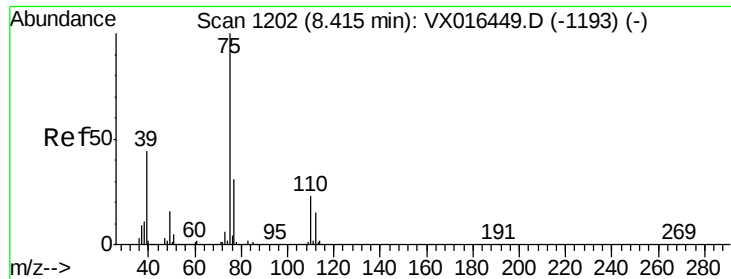
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.50 8.55 8.60 8.65 8.70





#54

cis-1,3-Dichloropropene

Concen: 7.68 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#12

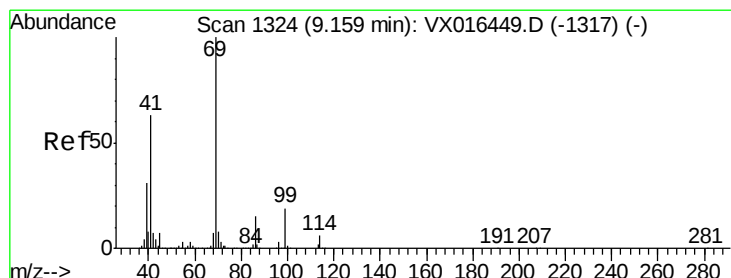
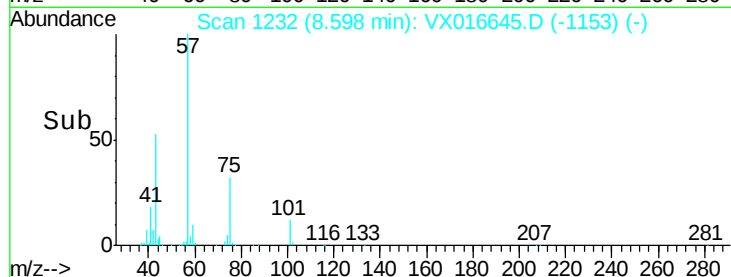
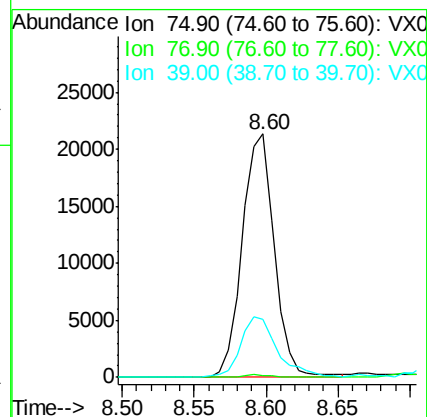
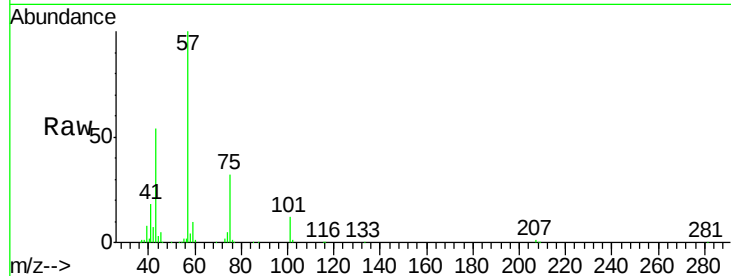
Tgt Ion: 75 Resp: 33052

Ion Ratio Lower Upper

75 100

77 0.6 24.6 36.8#

39 23.6 35.3 52.9#



#56

Ethyl methacrylate

Concen: 0.32 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

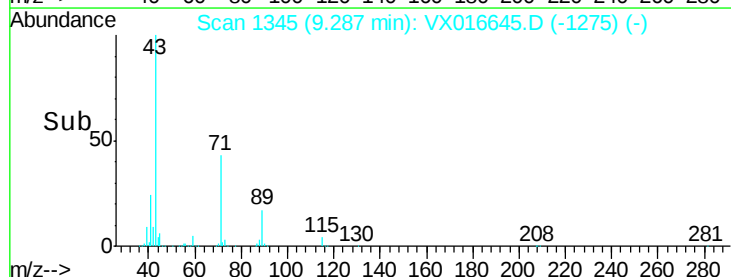
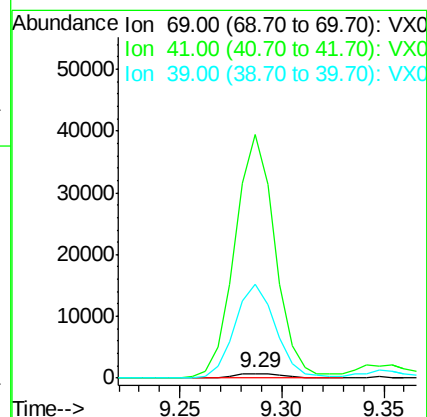
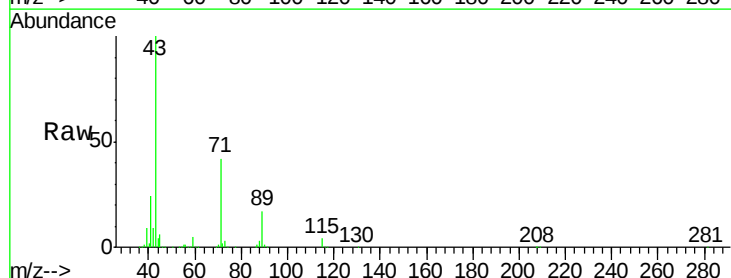
Tgt Ion: 69 Resp: 1331

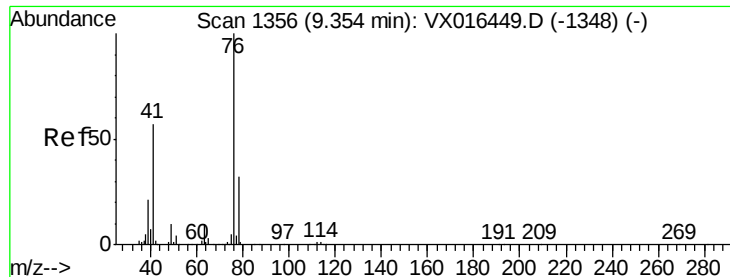
Ion Ratio Lower Upper

69 100

41 4065.1 50.7 76.1#

39 1595.4 25.8 38.6#





#57

1,3-Dichloropropane

Concen: 1.34 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

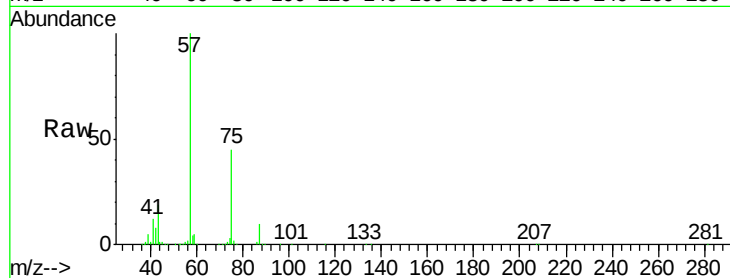
PB129340ZHE#12

Tgt Ion: 76 Resp: 5813

Ion Ratio Lower Upper

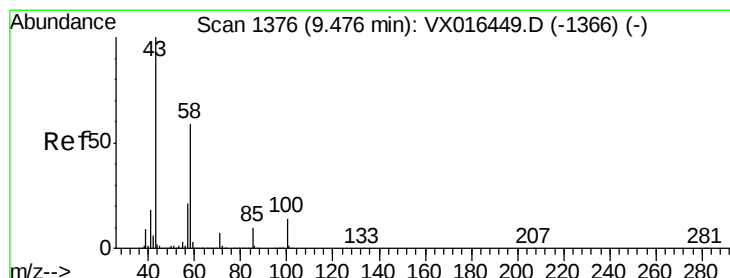
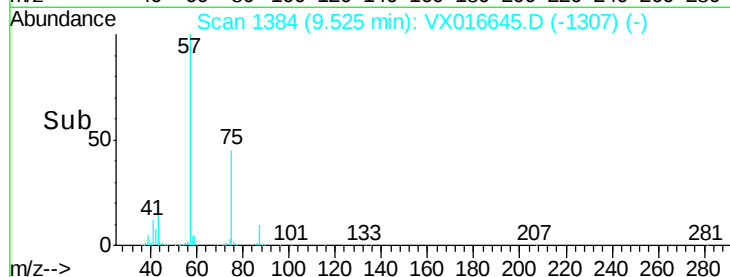
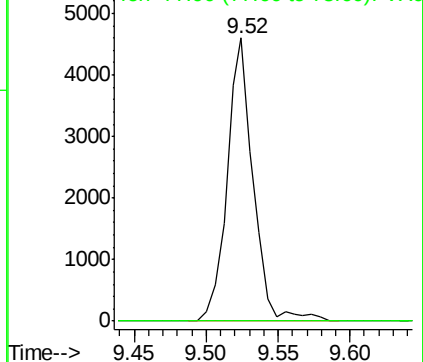
76 100

78 0.0 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 22.44 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016645.D

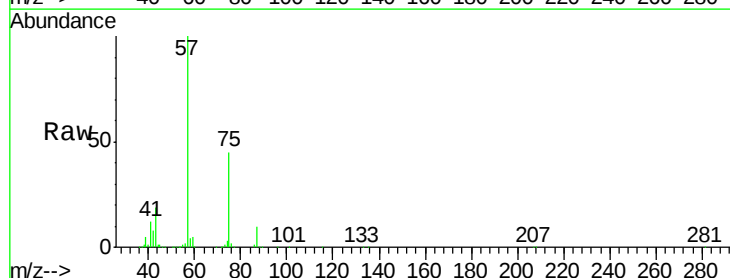
Acq: 08 Jun 2020 18:20

Tgt Ion: 43 Resp: 68975

Ion Ratio Lower Upper

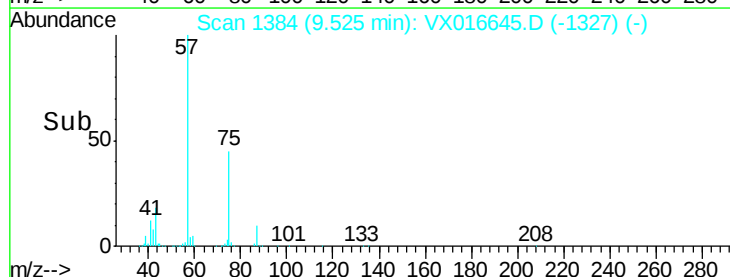
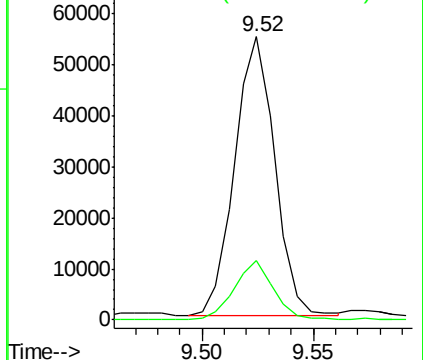
43 100

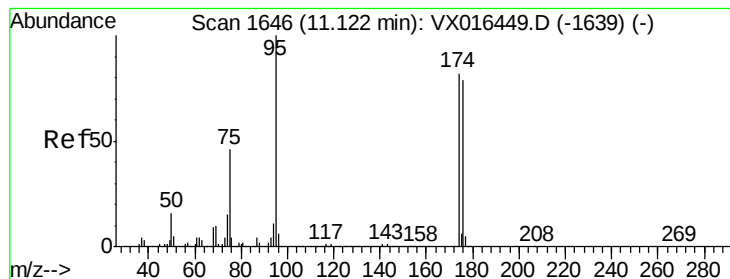
58 20.4 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.85 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#12

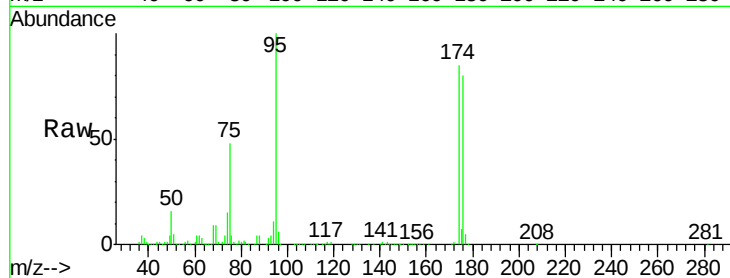
Tgt Ion: 95 Resp: 178507

Ion Ratio Lower Upper

95 100

174 85.8 0.0 163.0

176 83.6 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016645.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016645.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016645.D (-1639) (-)

11.12

150000

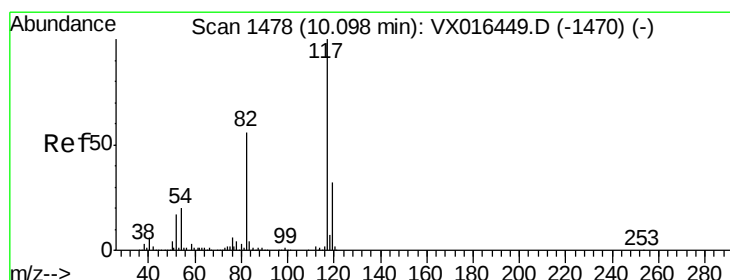
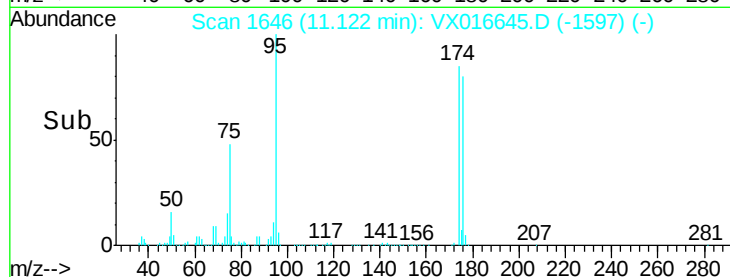
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

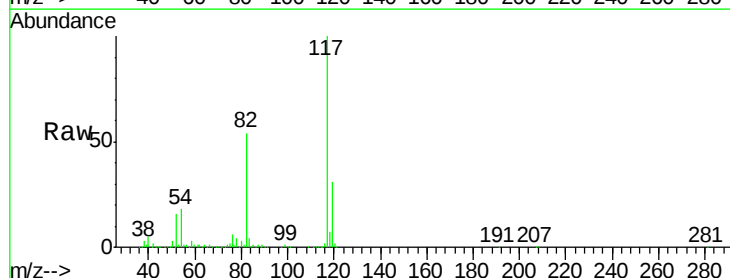
Tgt Ion: 117 Resp: 366535

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

119 31.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VX016645.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016645.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016645.D (-1470) (-)

10.10

300000

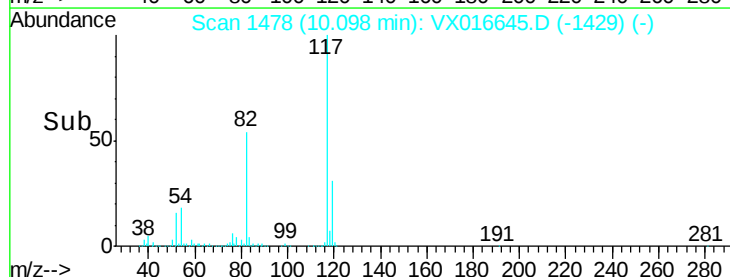
200000

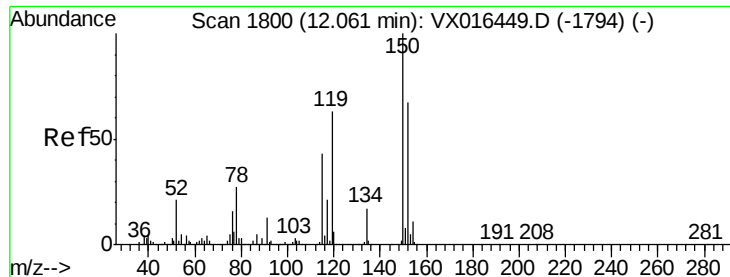
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#12

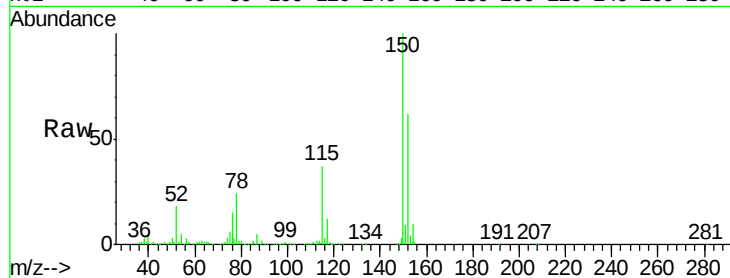
Tgt Ion: 152 Resp: 188301

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.6

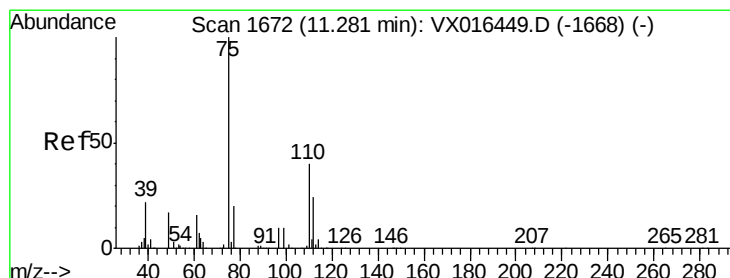
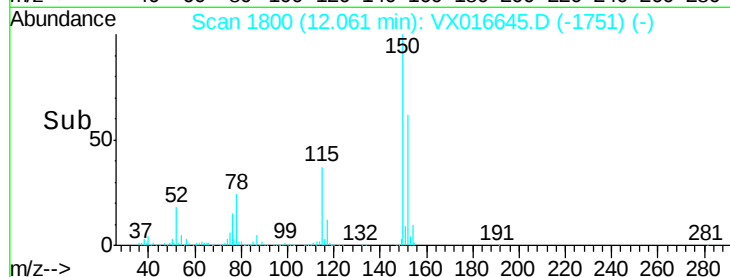
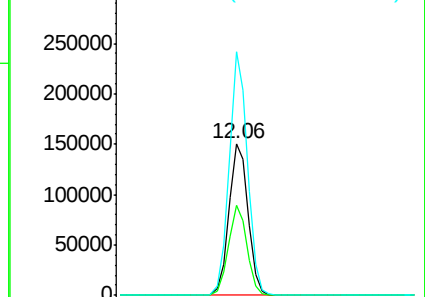
150 154.2 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.08 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016645.D

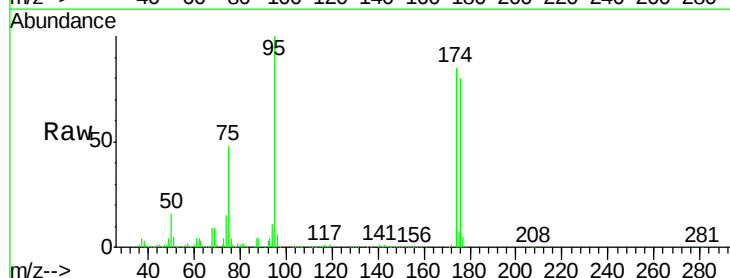
Acq: 08 Jun 2020 18:20

Tgt Ion: 75 Resp: 87247

Ion Ratio Lower Upper

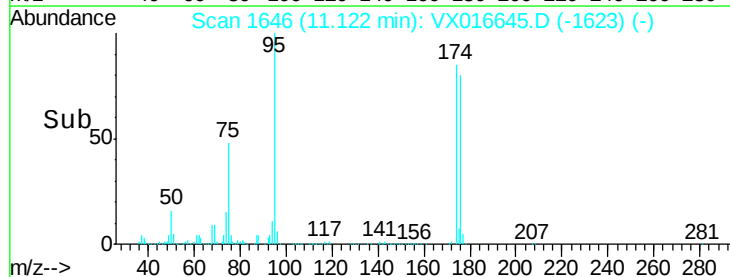
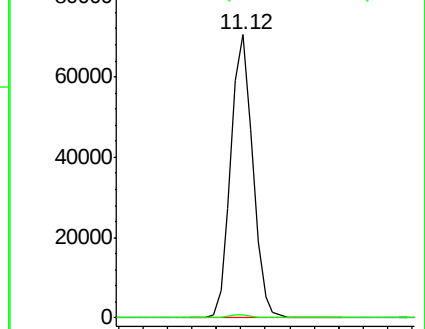
75 100

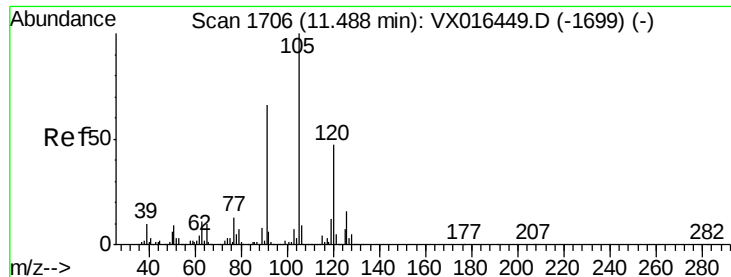
77 1.4 21.3 63.7#



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: 0.70 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

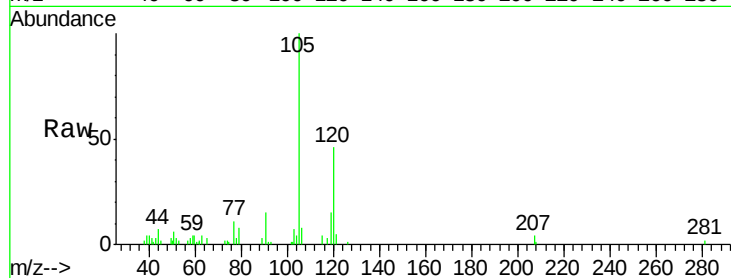
PB129340ZHE#12

Tgt Ion:105 Resp: 7668

Ion Ratio Lower Upper

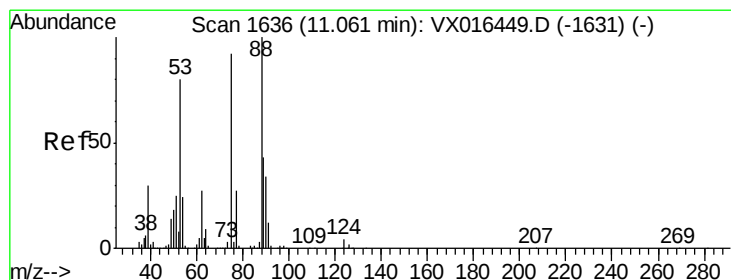
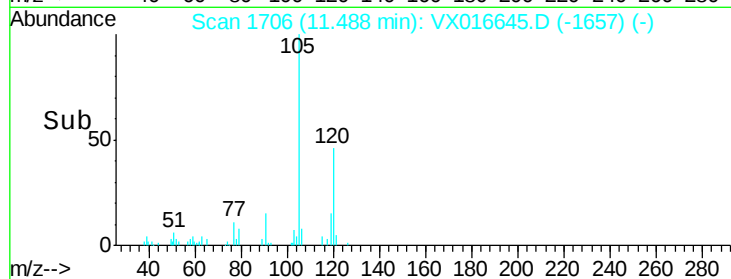
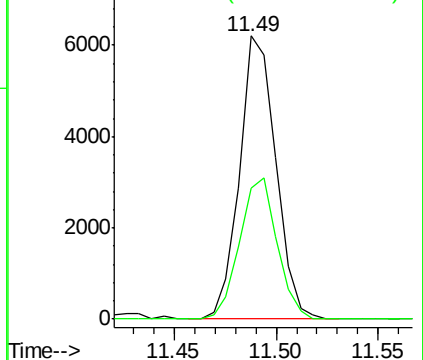
105 100

120 51.2 24.3 72.8



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: 51.85 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016645.D

Acq: 08 Jun 2020 18:20

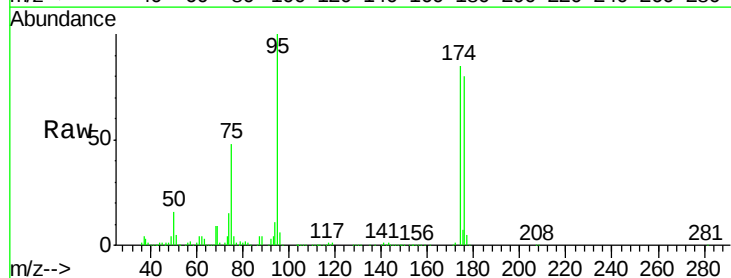
Tgt Ion: 75 Resp: 87247

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



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

