

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016640.D
 Acq On : 08 Jun 2020 16:26
 Operator : JC/SP
 Sample : PB129340ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#07

Quant Time: Jun 09 05:46:36 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	5.64	168	225620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	358237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	363415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	184501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	132999	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	5.47	113	109186	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	8.70	98	446923	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.12	95	179577	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	

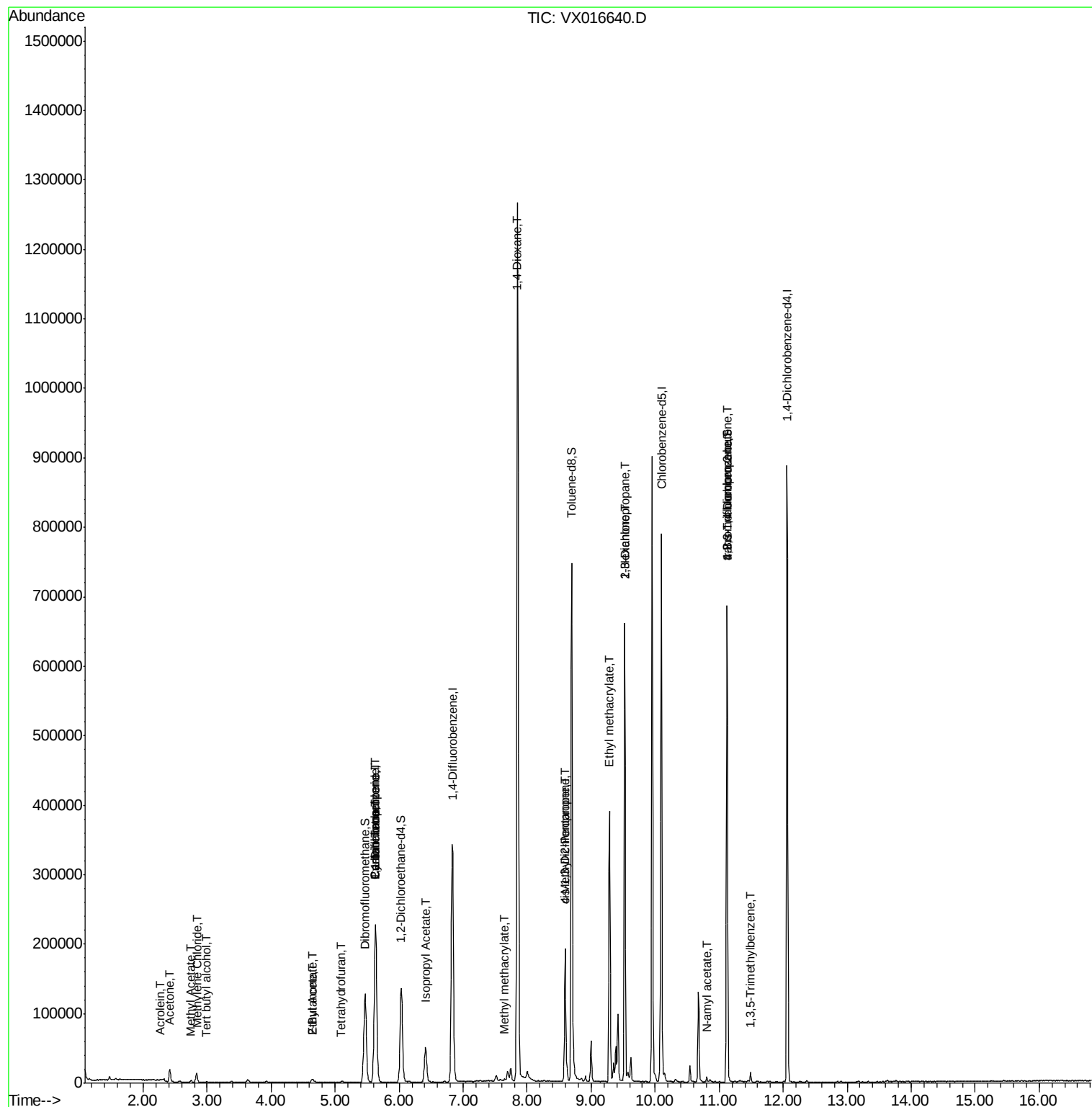
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	626	0.87	ug/l #	72
13) Acrolein	2.28	56	503	1.65	ug/l #	42
16) Acetone	2.42	43	18420	15.01	ug/l	100
18) Methyl Acetate	2.75	43	2880	0.91	ug/l	95
20) Methylene Chloride	2.83	84	6469	2.55	ug/l #	88
25) 2-Butanone	4.64	43	4377	2.10	ug/l	96
29) Tetrahydrofuran	5.09	42	1610	1.20	ug/l #	32
31) Cyclohexane	5.62	56	3848	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15499	4.57	ug/l #	51
37) Ethyl Acetate	4.64	43	4531	1.11	ug/l #	67
38) Carbon Tetrachloride	5.64	117	21435	6.01	ug/l #	15
43) Isopropyl Acetate	6.41	43	67640	10.65	ug/l	98
48) Methyl methacrylate	7.65	41	3849	1.27	ug/l #	14
49) 1,4-Dioxane	7.85	88	295	4.14	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	66639	16.85	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	32511	7.55	ug/l #	61
56) Ethyl methacrylate	9.29	69	1264	0.31	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5849	1.35	ug/l #	42
59) 2-Hexanone	9.52	43	67154	21.83	ug/l #	51
74) N-amyl acetate	10.80	43	3217	0.55	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	86743	21.39	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	6202	0.58	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	86743	52.61	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
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

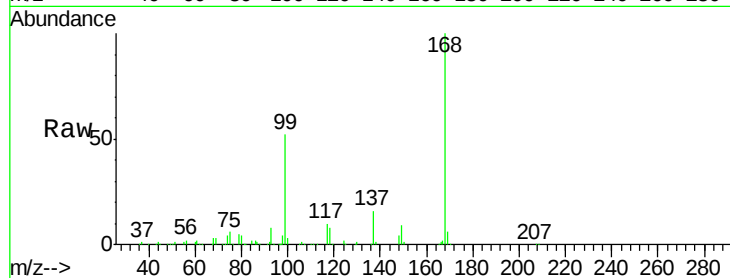
PB129340ZHE#07

Tgt Ion:168 Resp: 225620

Ion Ratio Lower Upper

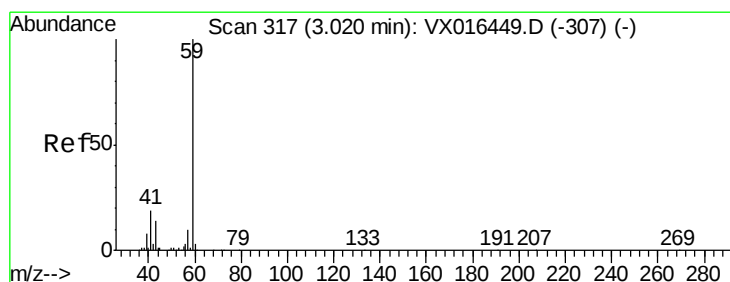
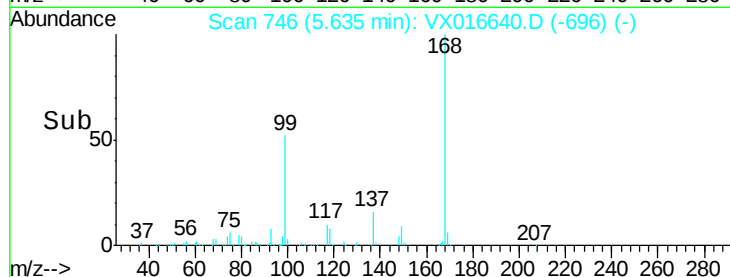
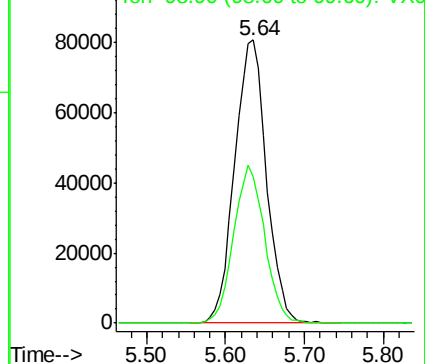
168 100

99 51.9 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: 0.87 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX016640.D

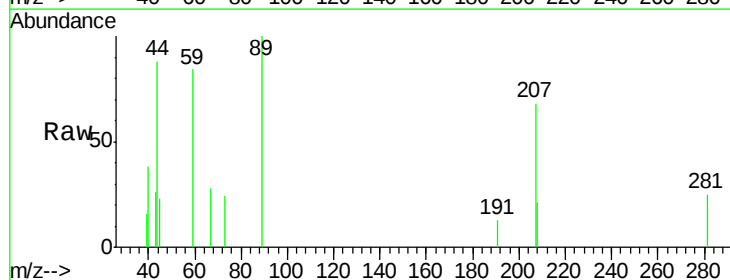
Acq: 08 Jun 2020 16:26

Tgt Ion: 59 Resp: 626

Ion Ratio Lower Upper

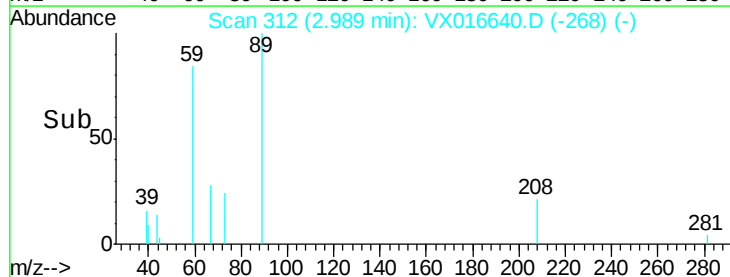
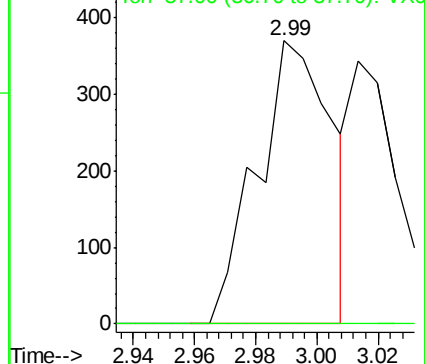
59 100

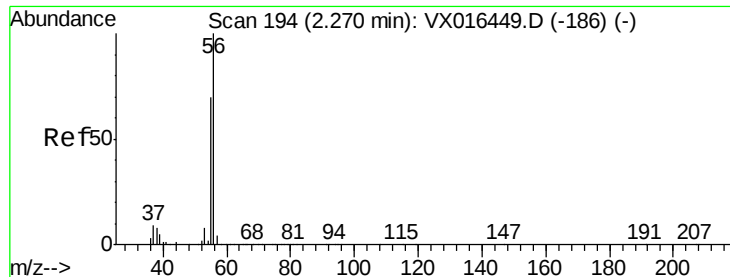
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.65 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

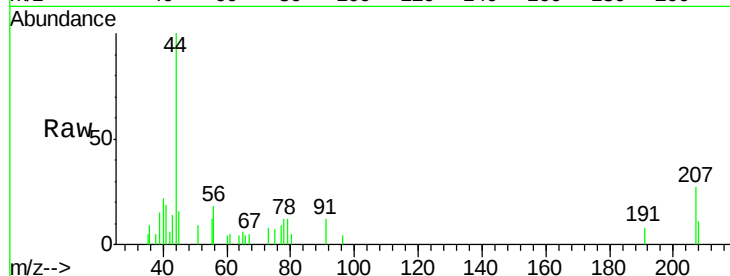
PB129340ZHE#07

Tgt Ion: 56 Resp: 503

Ion Ratio Lower Upper

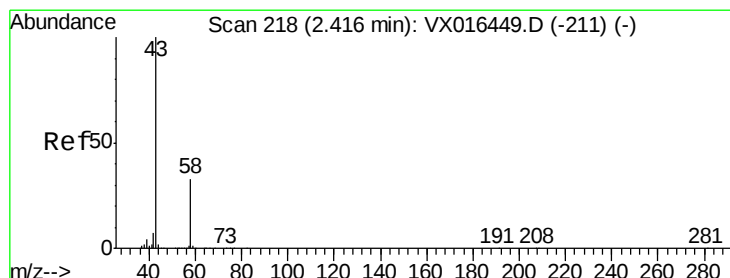
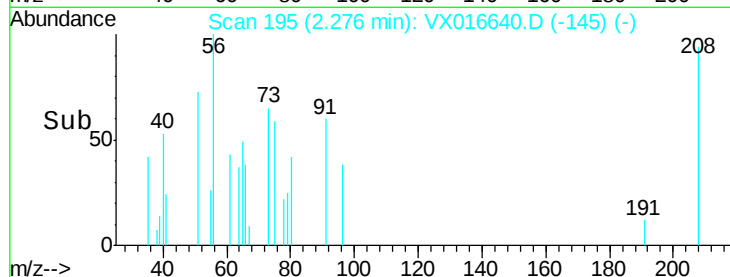
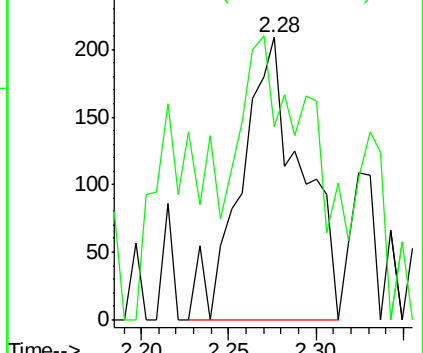
56 100

55 121.3 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 15.01 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016640.D

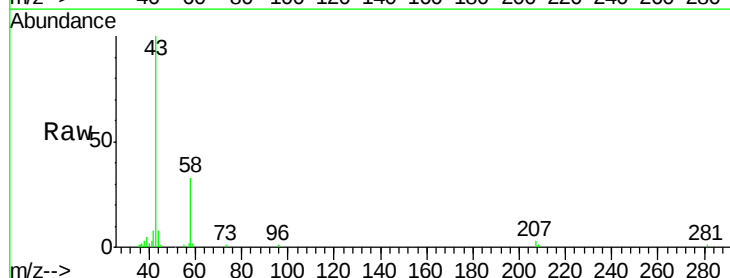
Acq: 08 Jun 2020 16:26

Tgt Ion: 43 Resp: 18420

Ion Ratio Lower Upper

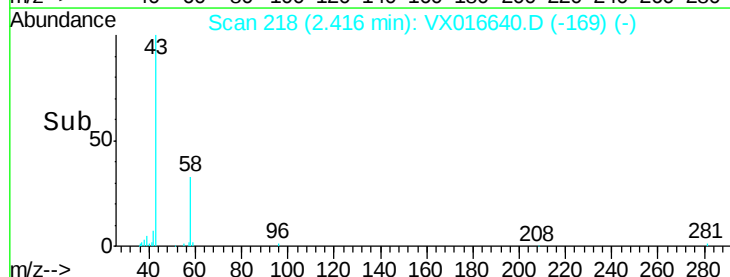
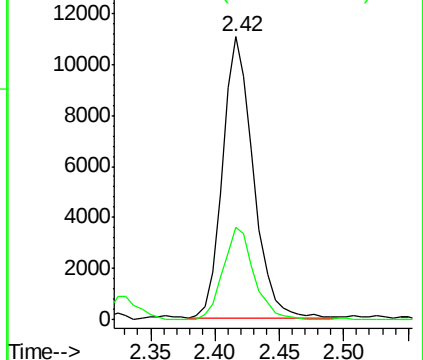
43 100

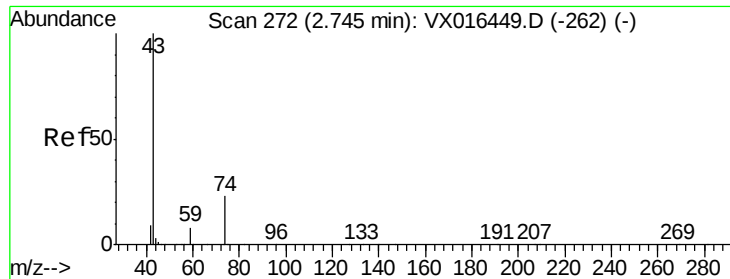
58 32.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

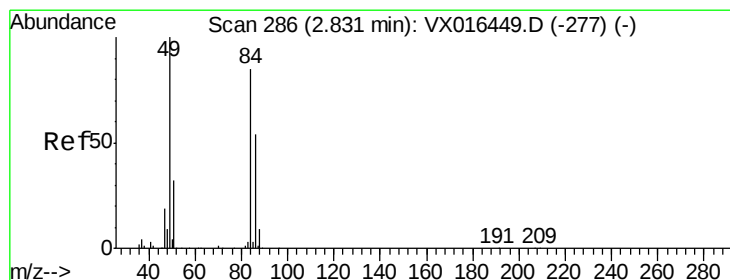
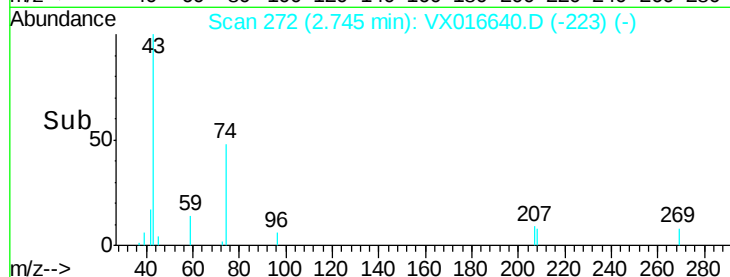
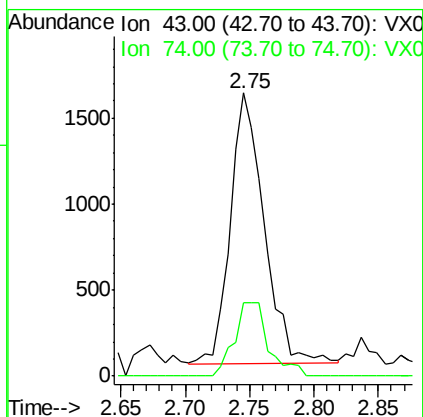
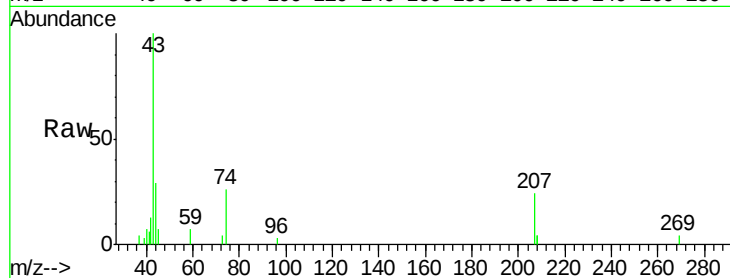




#18
Methyl Acetate
Concen: 0.91 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

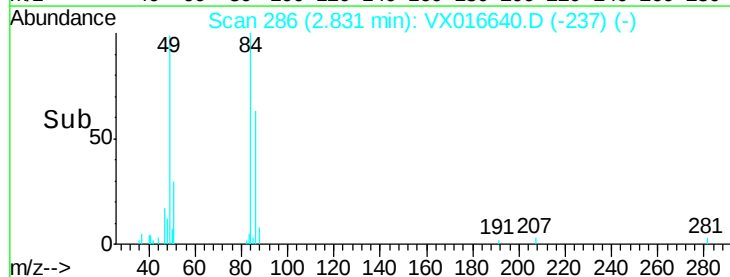
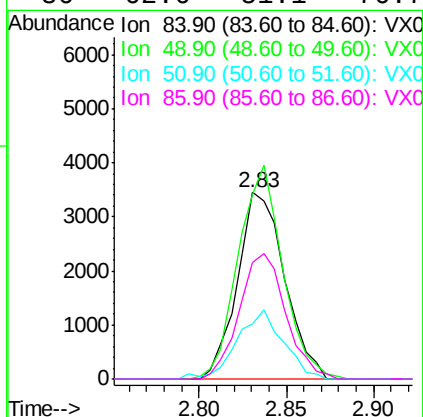
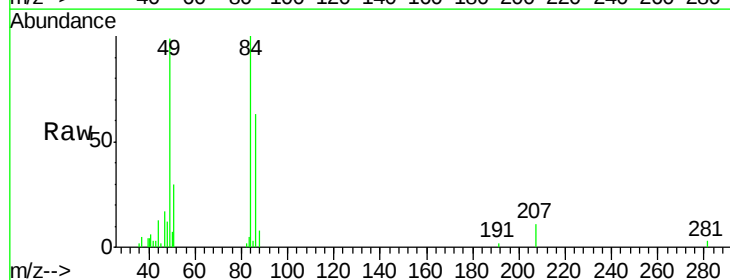
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#07

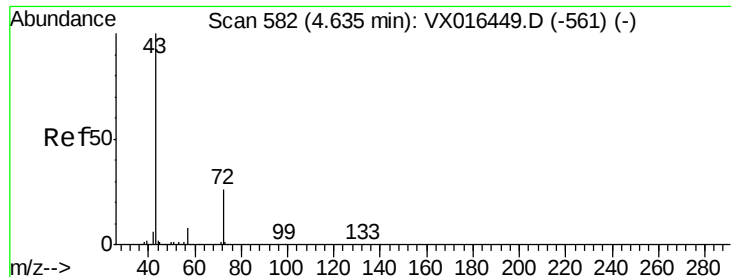
Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
74 27.3 19.7 29.5



#20
Methylene Chloride
Concen: 2.55 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

Tgt Ion: 84 Resp: 6469
Ion Ratio Lower Upper
84 100
49 98.8 94.5 141.7
51 29.6 30.2 45.4#
86 62.6 51.1 76.7





#25

2-Butanone

Concen: 2.10 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

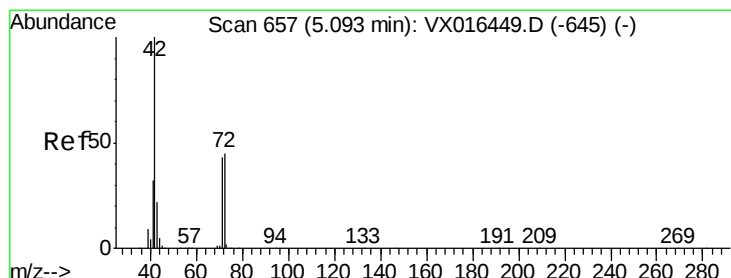
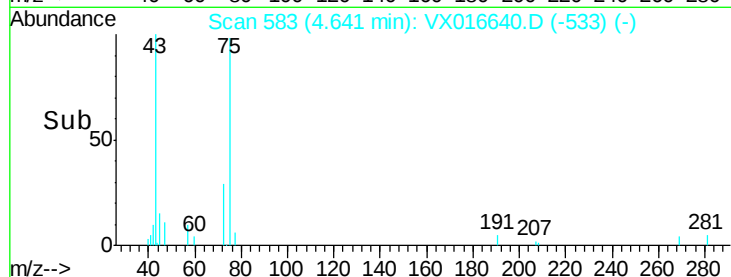
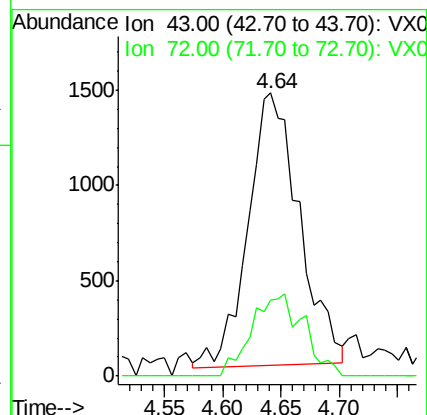
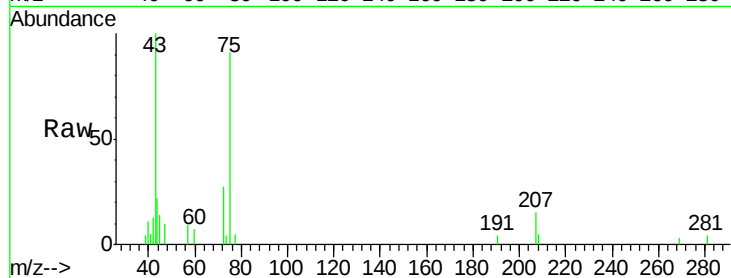
PB129340ZHE#07

Tgt Ion: 43 Resp: 4377

Ion Ratio Lower Upper

43 100

72 28.1 21.0 31.6



#29

Tetrahydrofuran

Concen: 1.20 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

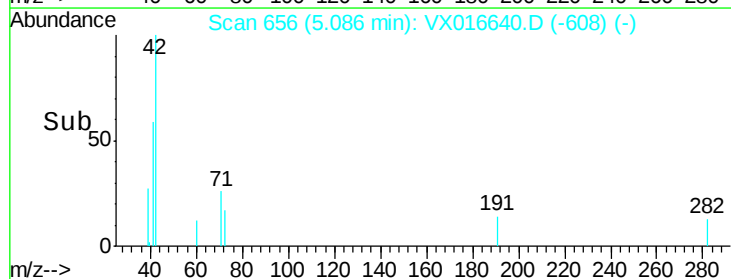
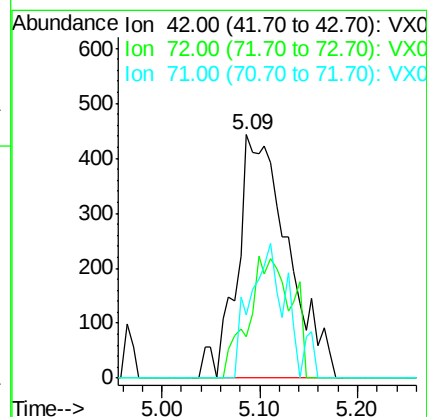
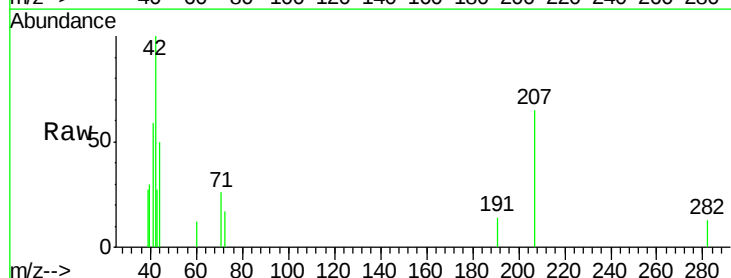
Tgt Ion: 42 Resp: 1610

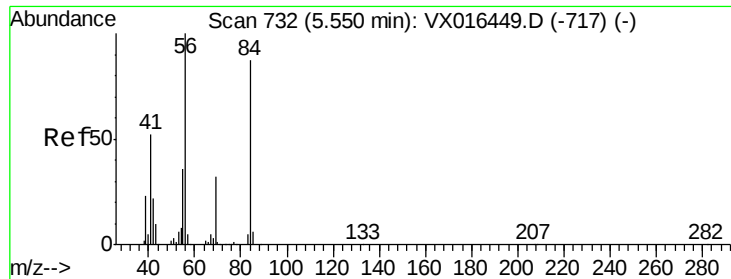
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

71 0.0 34.1 51.1#

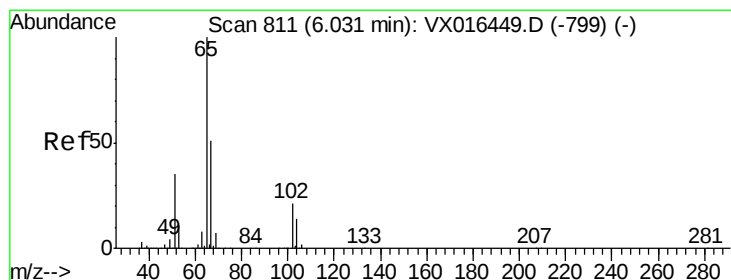
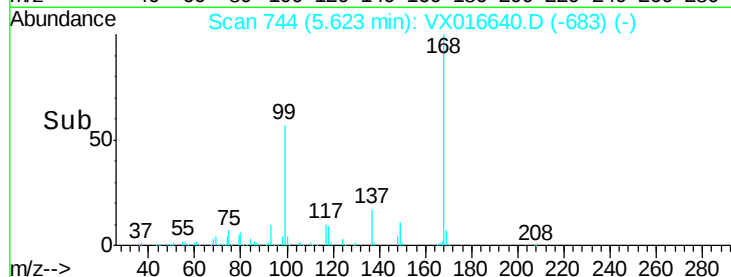
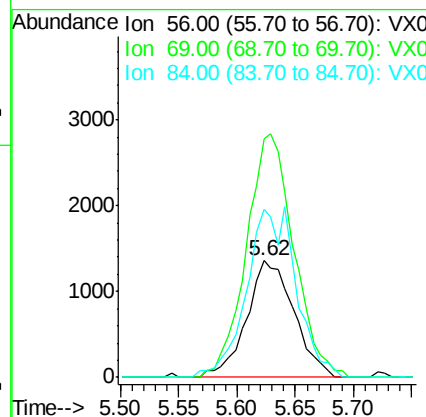
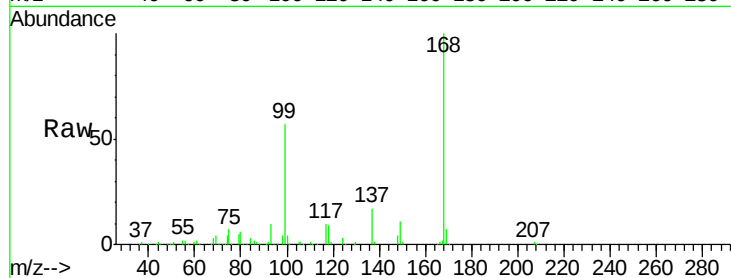




#31
Cyclohexane
Concen: 0.99 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

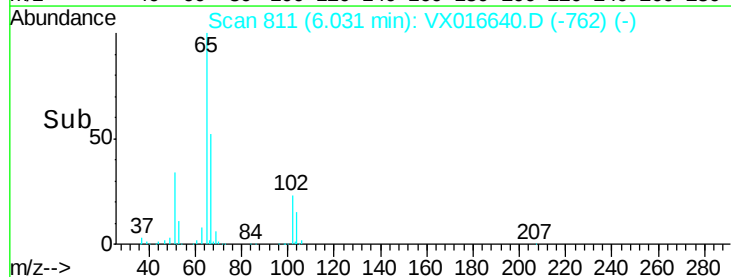
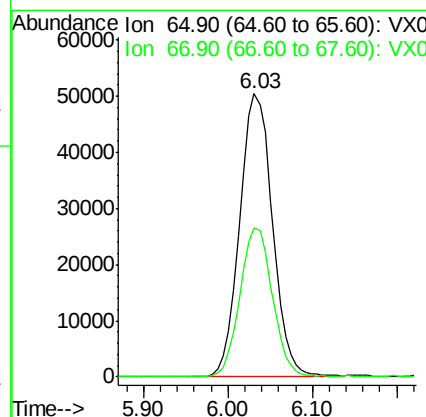
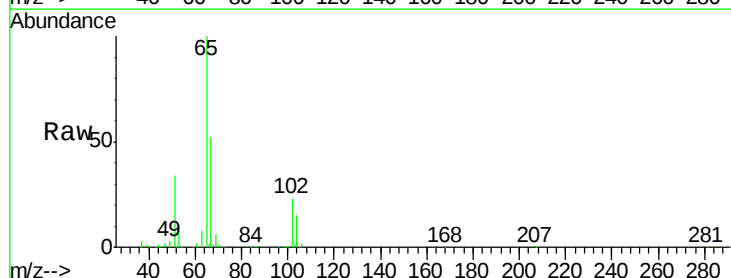
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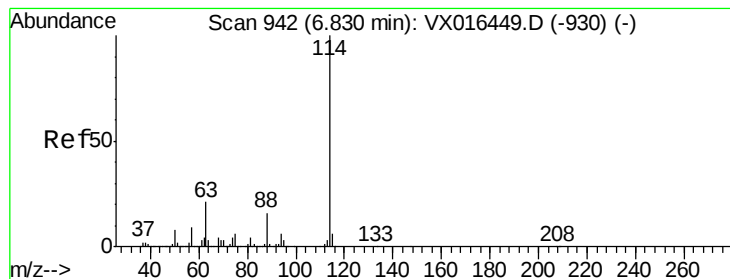
Tgt Ion: 56 Resp: 3848
Ion Ratio Lower Upper
56 100
69 205.4 25.7 38.5#
84 144.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.47 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

Tgt Ion: 65 Resp: 132999
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: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#07

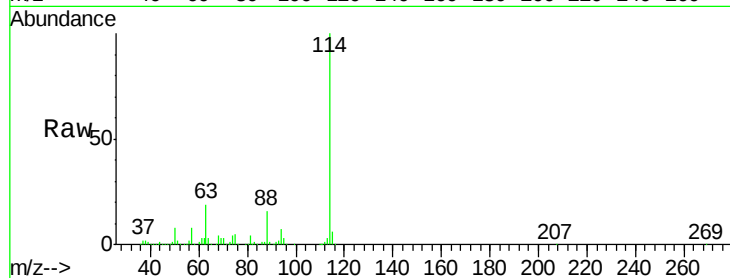
Tgt Ion:114 Resp: 358237

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 16.2 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

200000

150000

100000

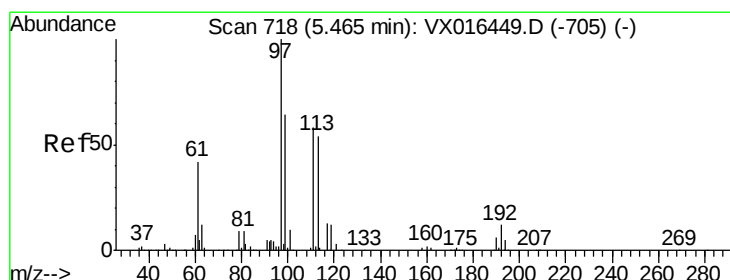
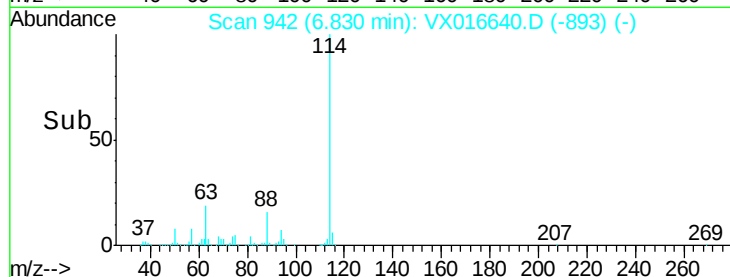
50000

0

6.83

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 49.50 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

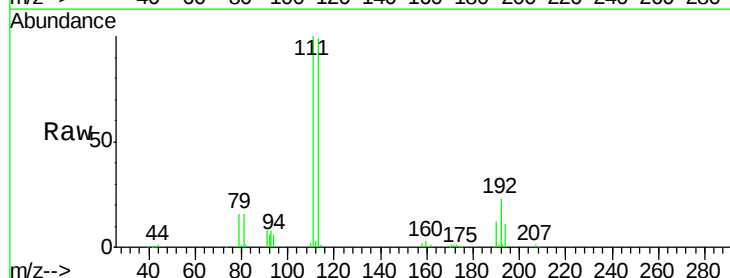
Tgt Ion:113 Resp: 109186

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

192 22.9 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

50000

40000

30000

20000

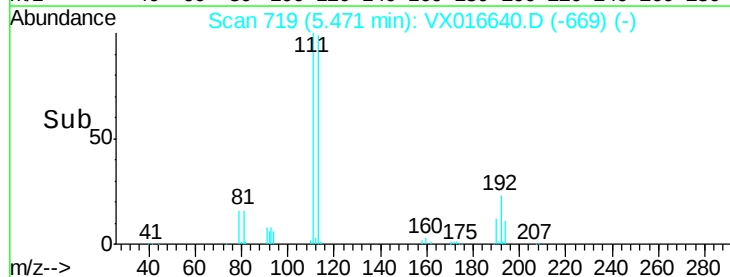
10000

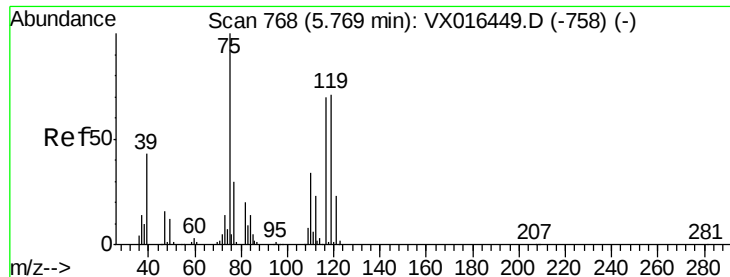
0

5.47

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.57 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

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ClientSampleId :

PB129340ZHE#07

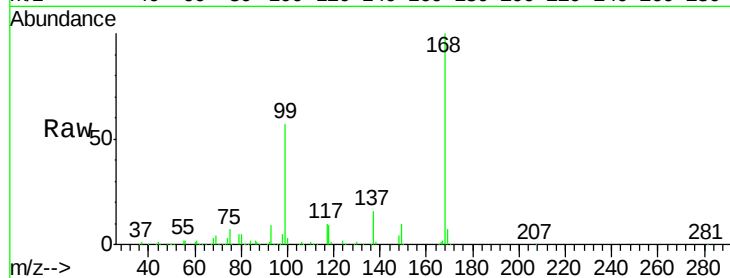
Tgt Ion: 75 Resp: 15499

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

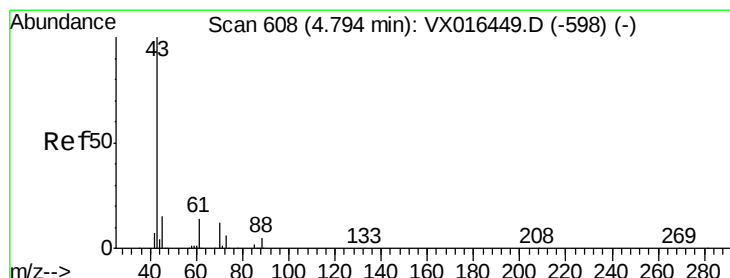
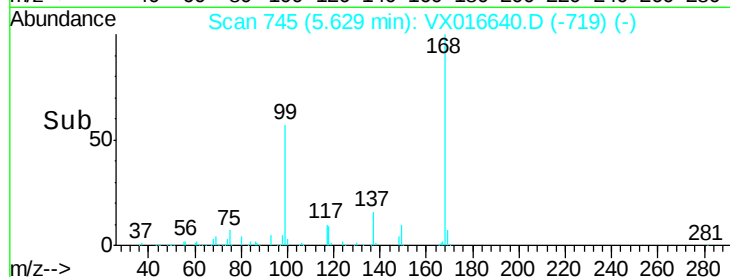
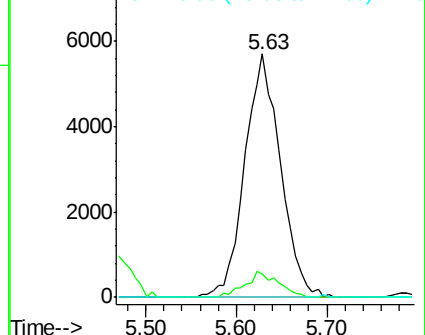
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.11 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

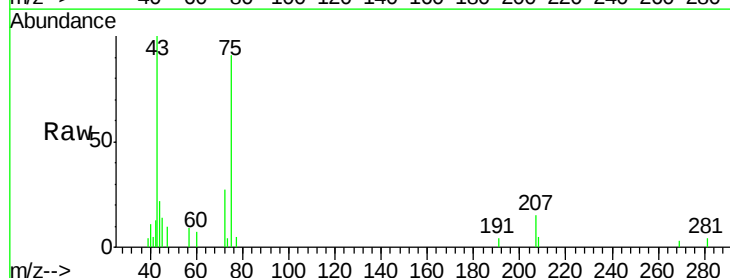
Tgt Ion: 43 Resp: 4531

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

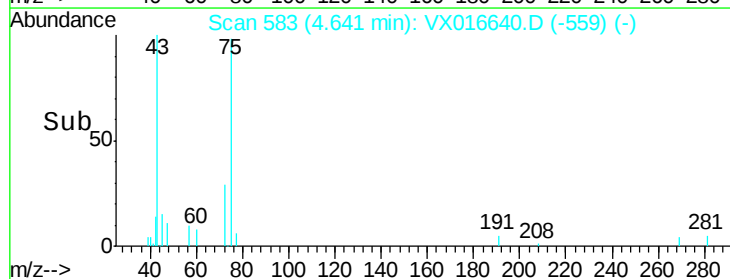
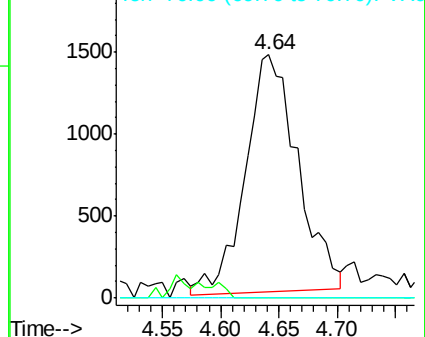
70 0.0 9.3 13.9#

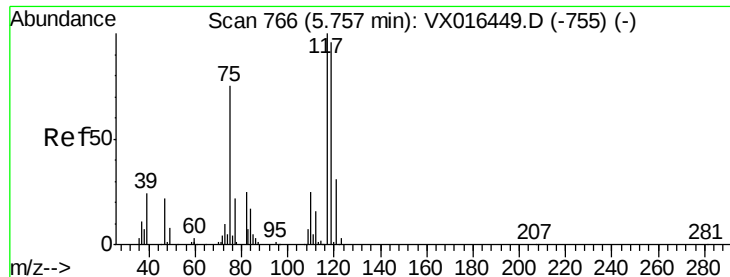


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.01 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#07

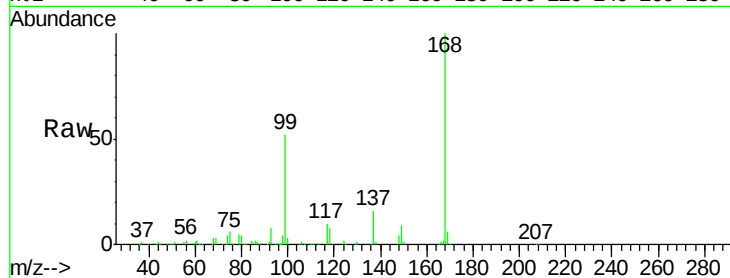
Tgt Ion:117 Resp: 21435

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

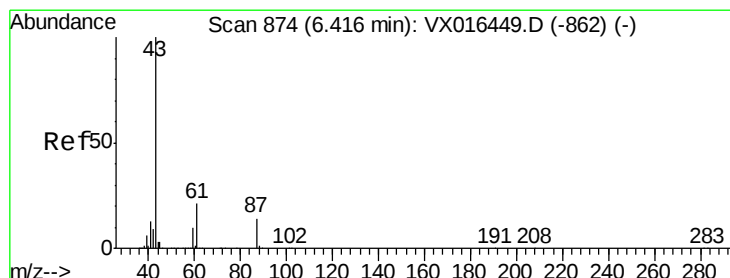
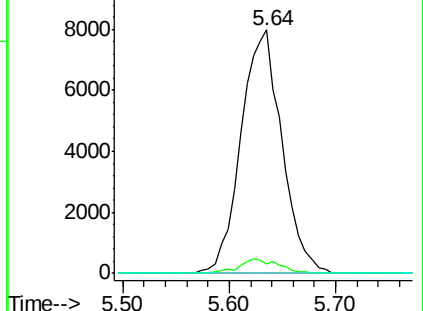
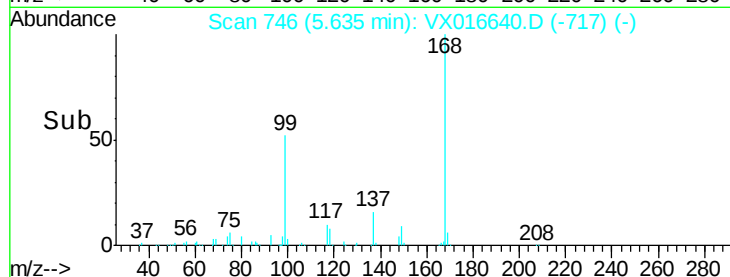
121 0.0 24.6 37.0#



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: 10.65 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

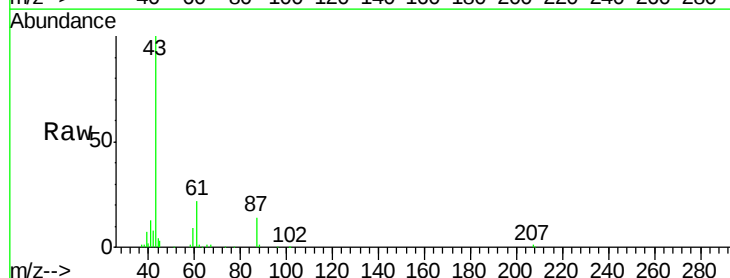
Tgt Ion: 43 Resp: 67640

Ion Ratio Lower Upper

43 100

61 21.9 16.8 25.2

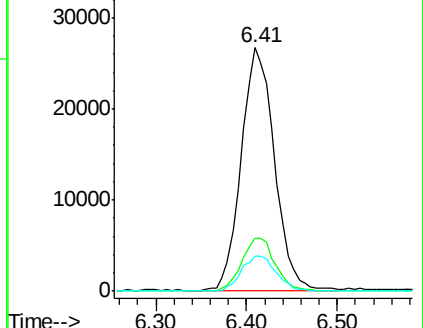
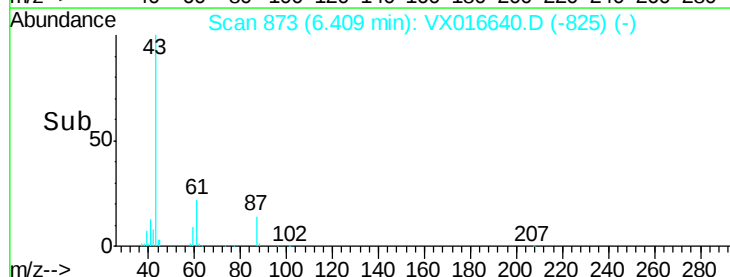
87 15.2 11.2 16.8

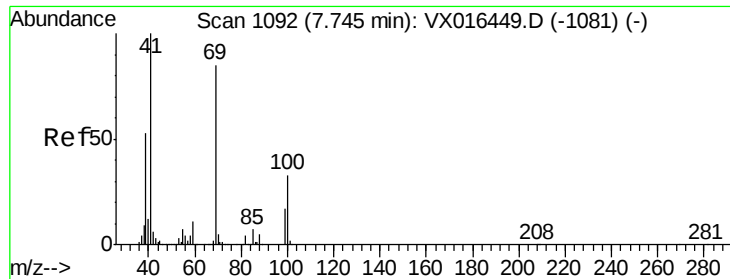


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

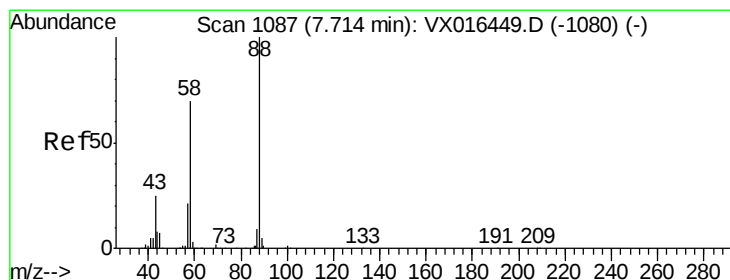
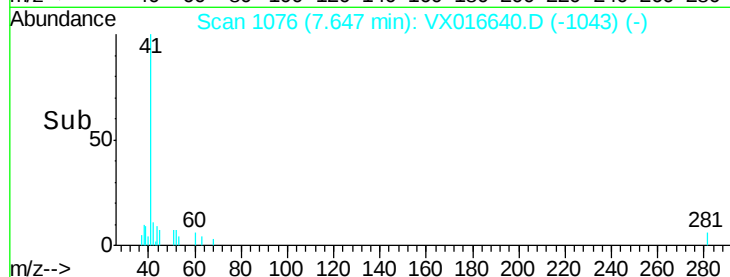
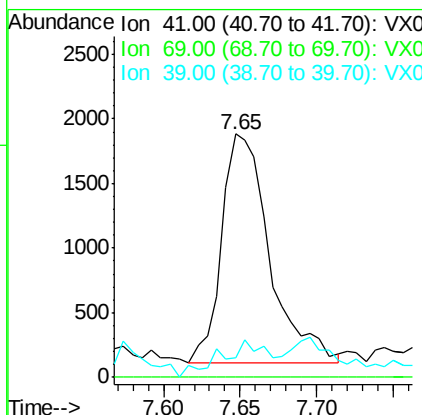
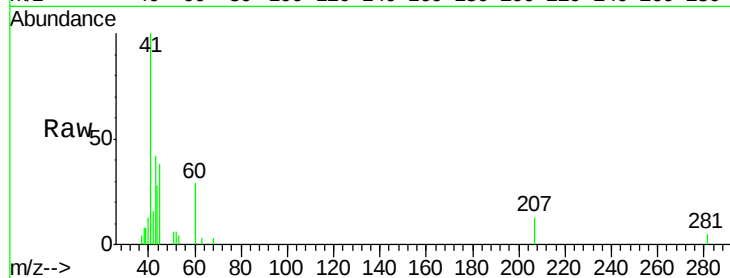




#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

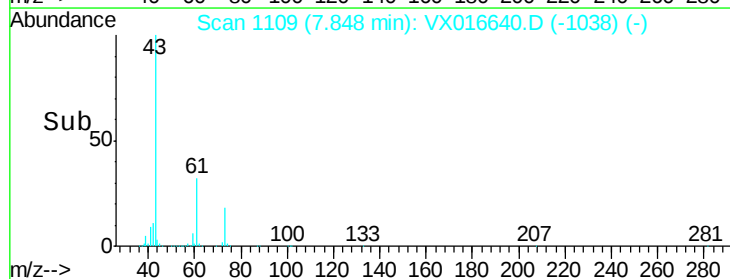
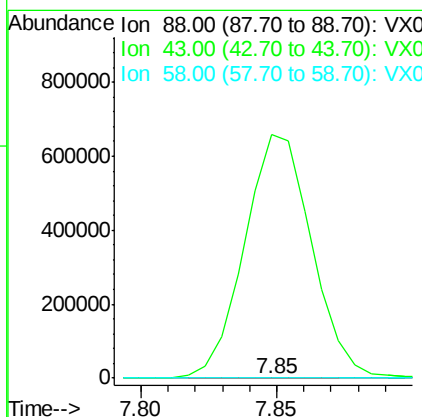
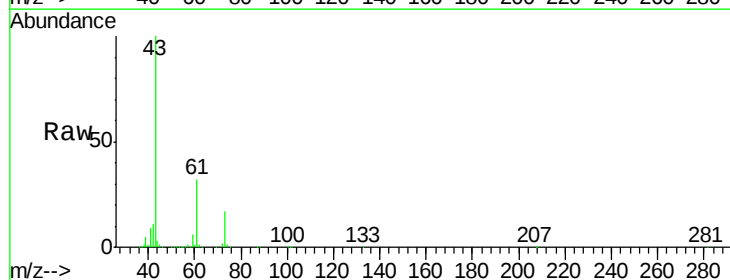
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#07

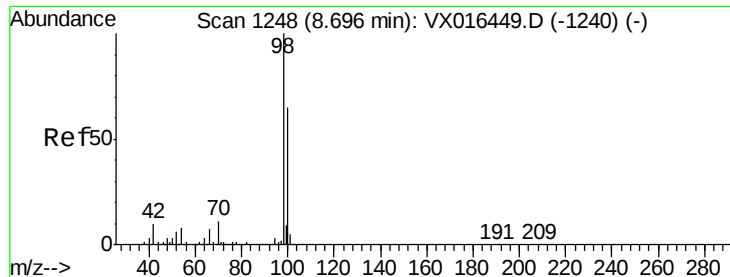
Tgt Ion: 41 Resp: 3849
Ion Ratio Lower Upper
41 100
69 0.0 68.6 102.8#
39 0.0 42.4 63.6#



#49
1,4-Dioxane
Concen: 4.14 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.13 min
Lab File: VX016640.D
Acq: 08 Jun 2020 16:26

Tgt Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 386559.3 24.2 36.4#
58 1627.8 56.5 84.7#





#50

Toluene-d8

Concen: 52.06 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

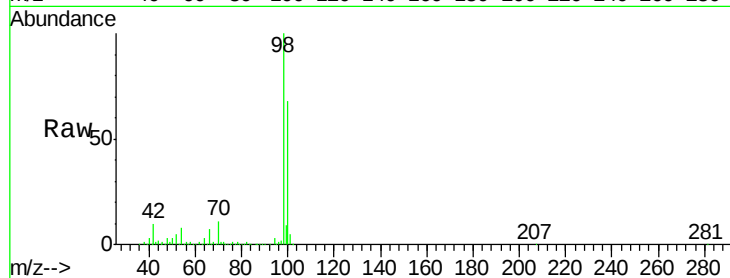
PB129340ZHE#07

Tgt Ion: 98 Resp: 446923

Ion Ratio Lower Upper

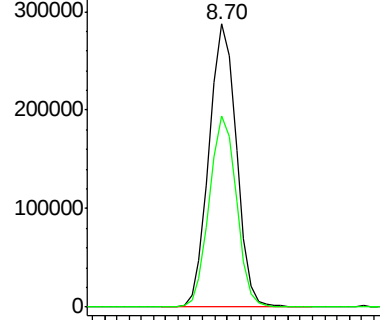
98 100

100 66.9 53.8 80.6

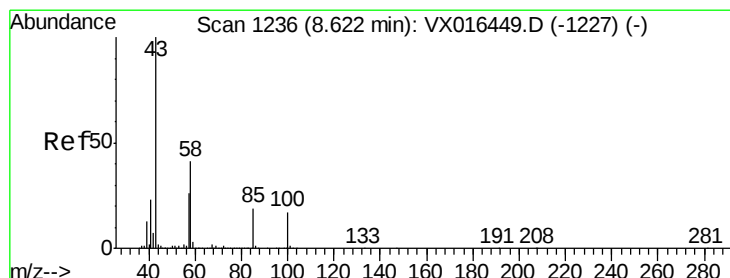
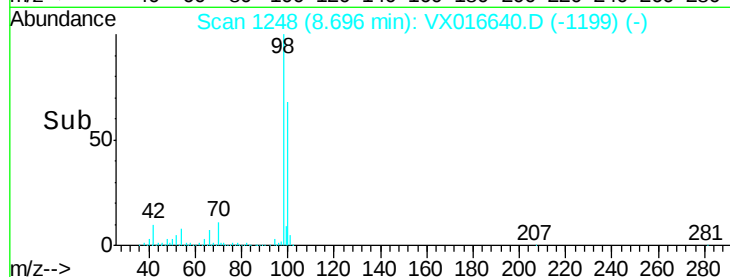


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



Time-->



#51

4-Methyl-2-Pentanone

Concen: 16.85 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016640.D

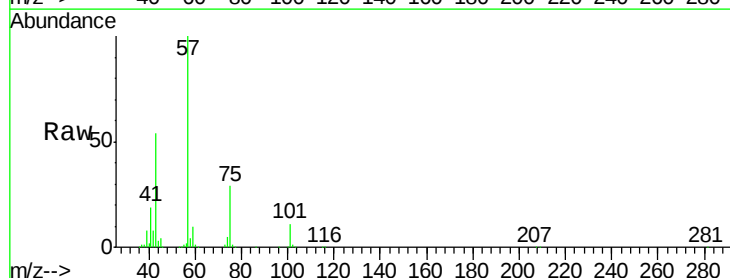
Acq: 08 Jun 2020 16:26

Tgt Ion: 43 Resp: 66639

Ion Ratio Lower Upper

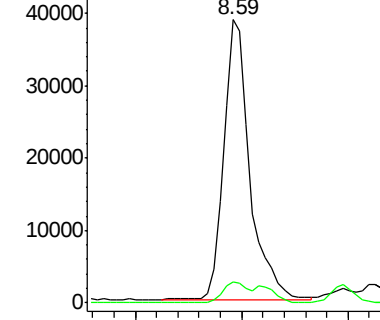
43 100

58 7.4 33.0 49.6#

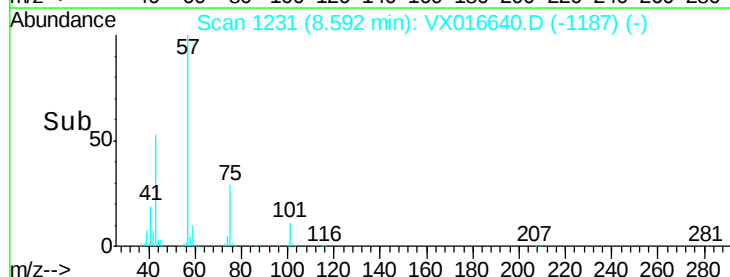


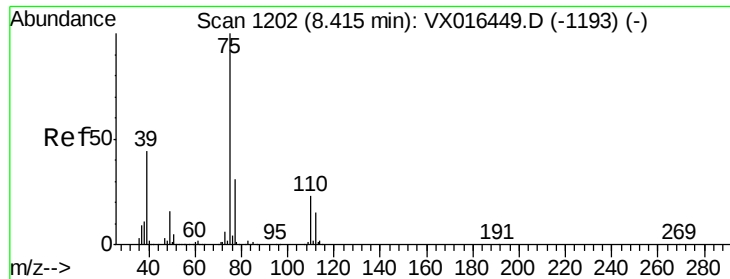
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.55 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#07

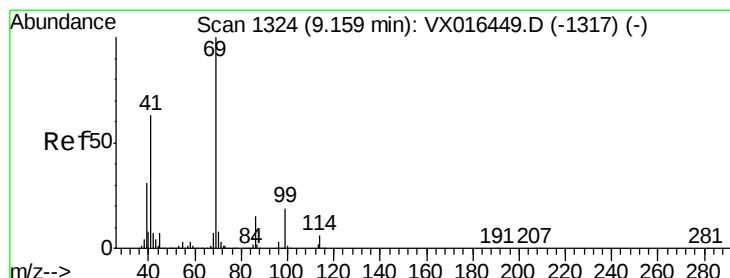
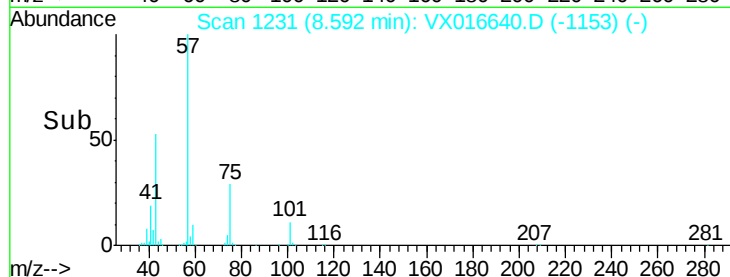
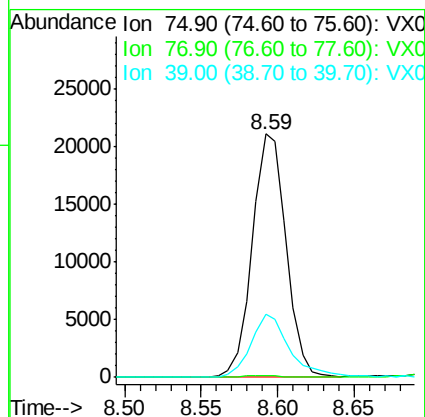
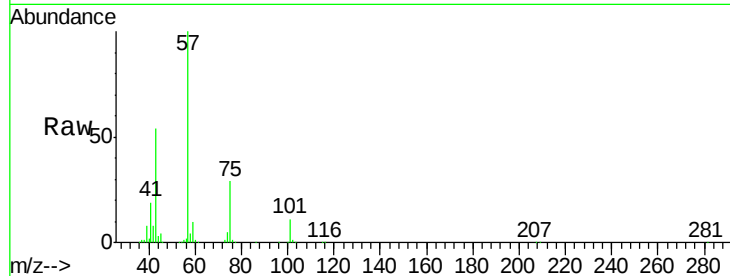
Tgt Ion: 75 Resp: 32511

Ion Ratio Lower Upper

75 100

77 0.7 24.6 36.8#

39 25.9 35.3 52.9#



#56

Ethyl methacrylate

Concen: 0.31 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

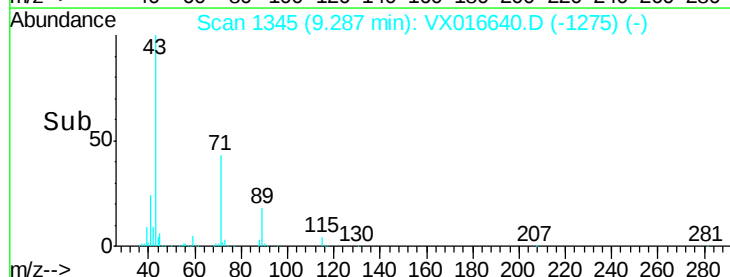
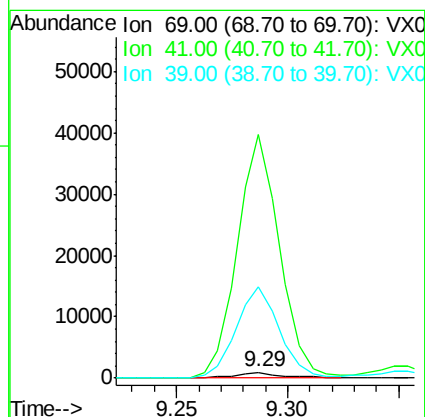
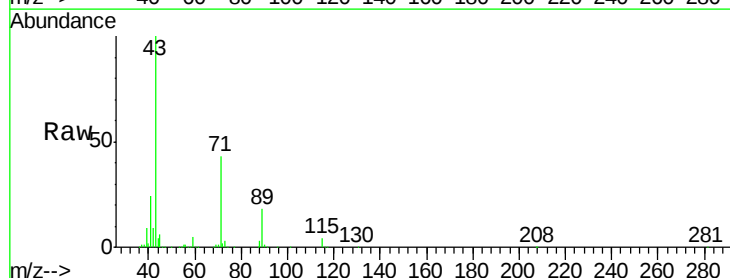
Tgt Ion: 69 Resp: 1264

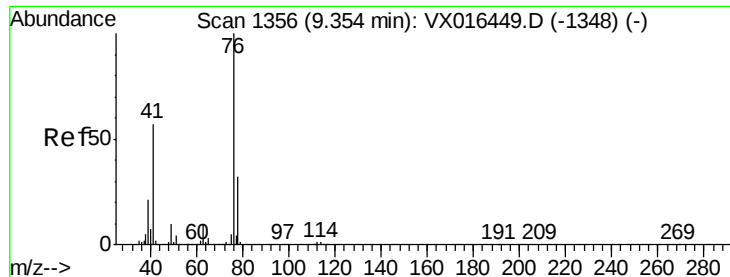
Ion Ratio Lower Upper

69 100

41 4158.4 50.7 76.1#

39 1607.9 25.8 38.6#





#57

1,3-Dichloropropane

Concen: 1.35 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

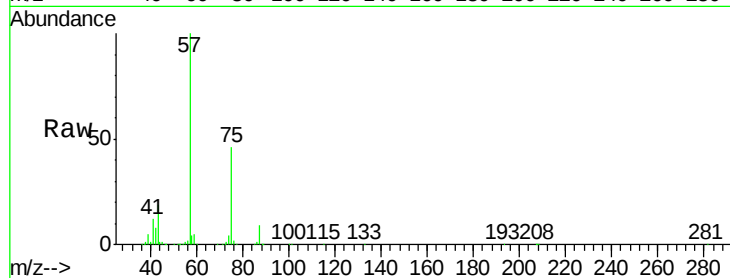
PB129340ZHE#07

Tgt Ion: 76 Resp: 5849

Ion Ratio Lower Upper

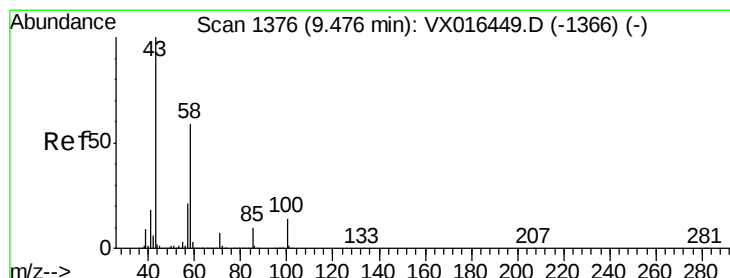
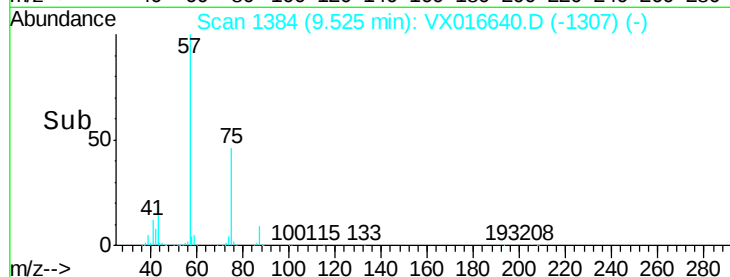
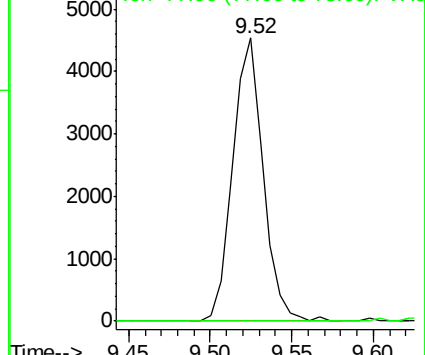
76 100

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: 21.83 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016640.D

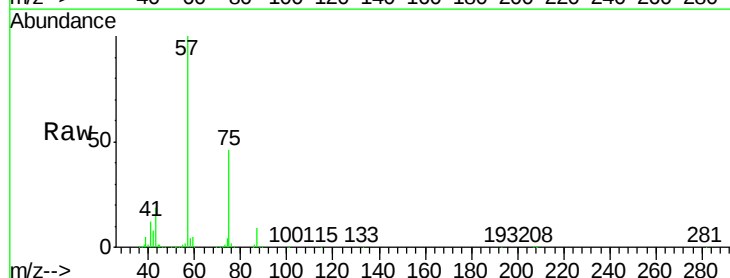
Acq: 08 Jun 2020 16:26

Tgt Ion: 43 Resp: 67154

Ion Ratio Lower Upper

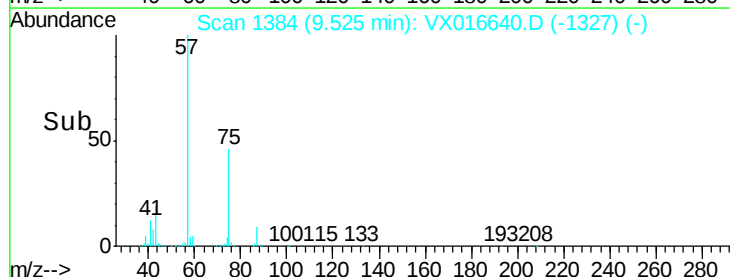
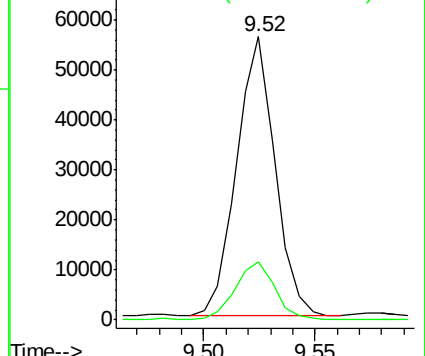
43 100

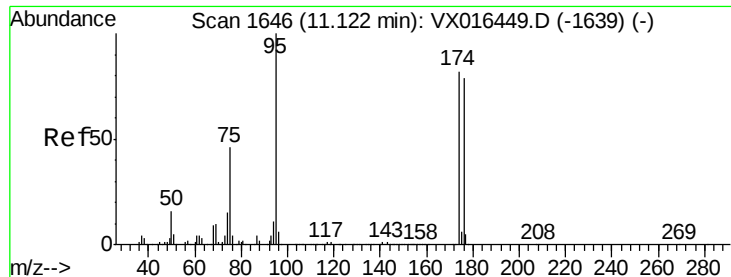
58 21.4 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.13 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#07

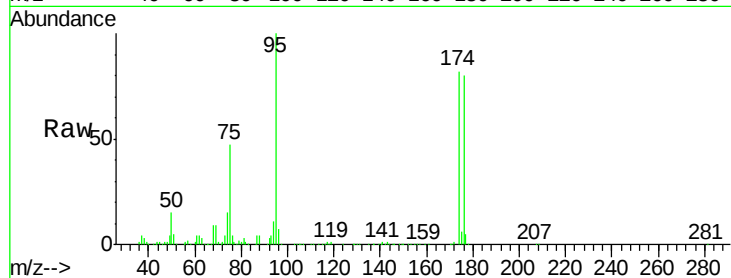
Tgt Ion: 95 Resp: 179577

Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.0

176 82.2 0.0 156.8

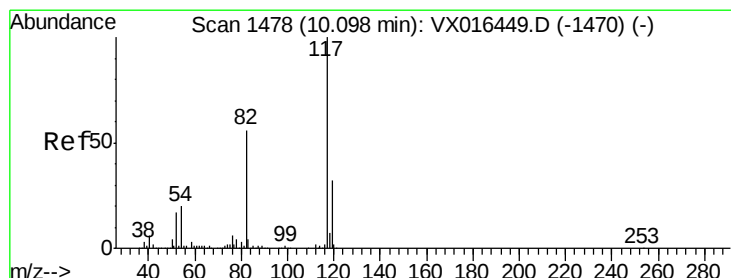
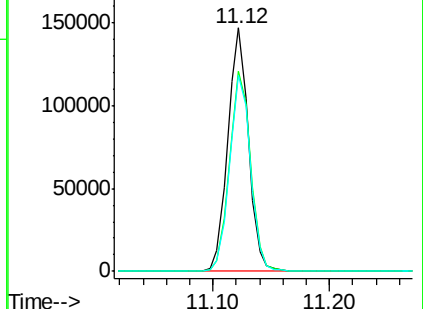
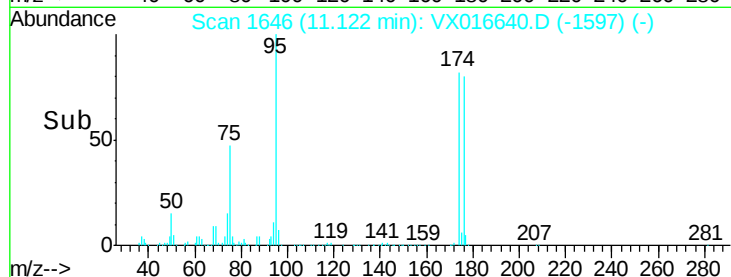


Abundance Ion 94.90 (94.60 to 95.60): VX016640.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016640.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016640.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

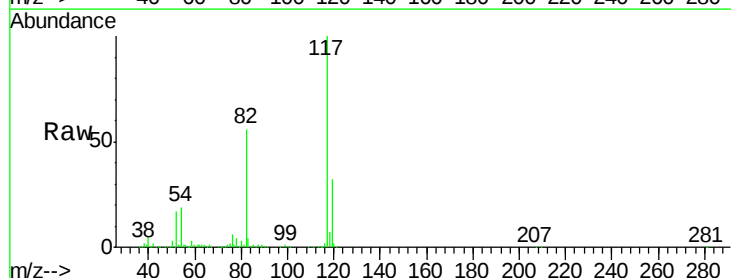
Tgt Ion: 117 Resp: 363415

Ion Ratio Lower Upper

117 100

82 56.3 45.0 67.6

119 31.8 25.8 38.8

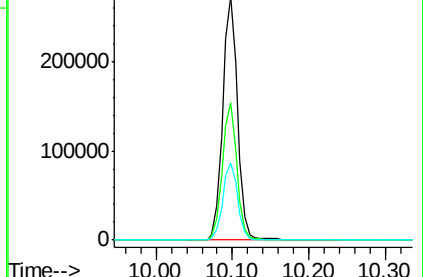
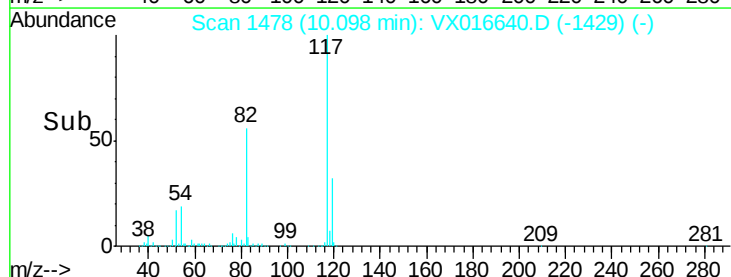


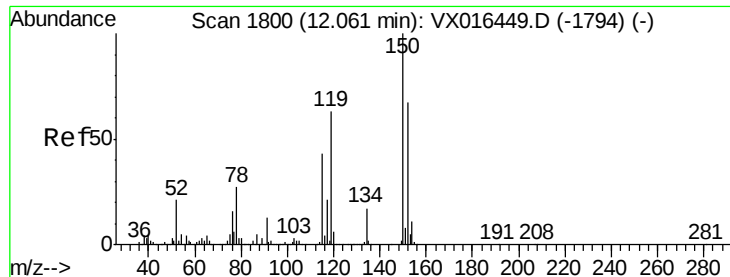
Abundance Ion 116.90 (116.60 to 117.60): VX016640.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016640.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016640.D (-1470) (-)

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: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#07

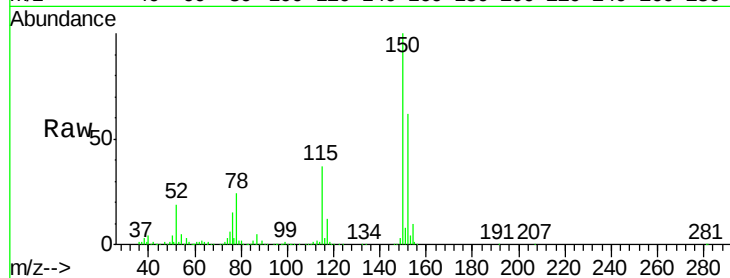
Tgt Ion: 152 Resp: 184501

Ion Ratio Lower Upper

152 100

115 58.9 39.9 119.6

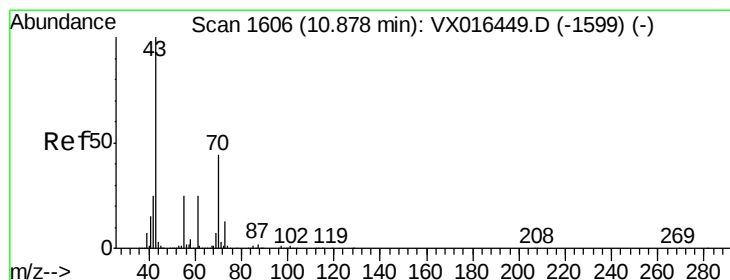
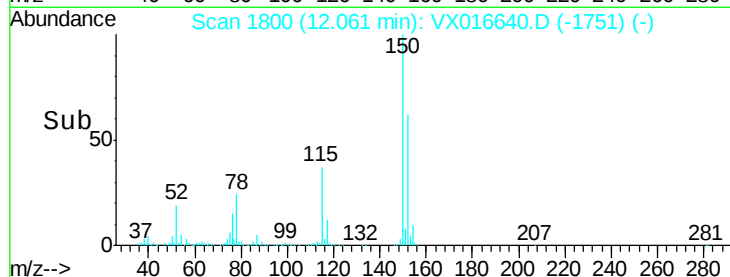
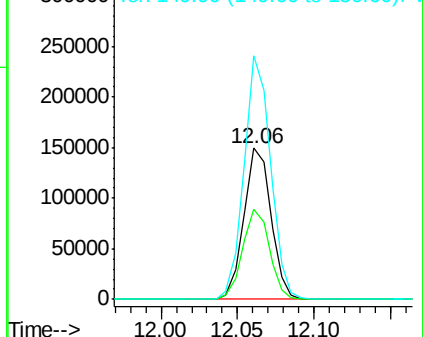
150 157.5 0.0 341.0



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



#74

N-ethyl acetate

Concen: 0.55 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Tgt Ion: 43 Resp: 3217

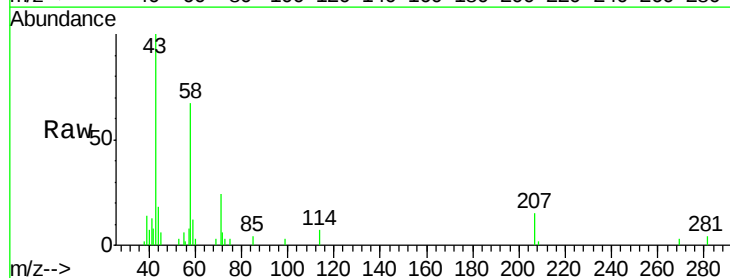
Ion Ratio Lower Upper

43 100

70 0.0 36.1 54.1#

55 9.4 20.2 30.4#

61 0.0 20.3 30.5#

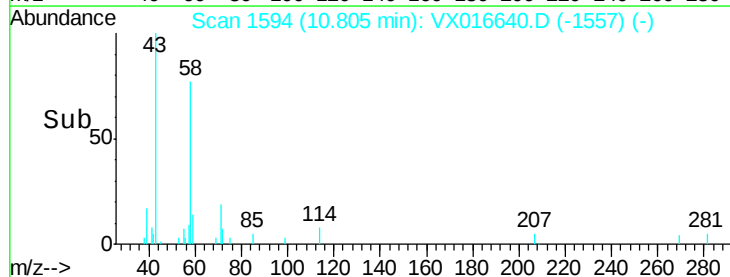
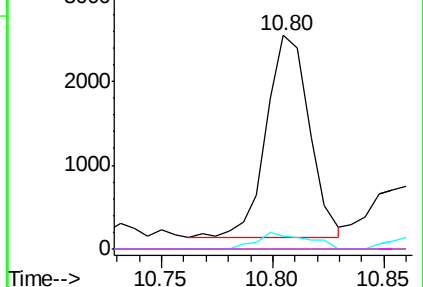


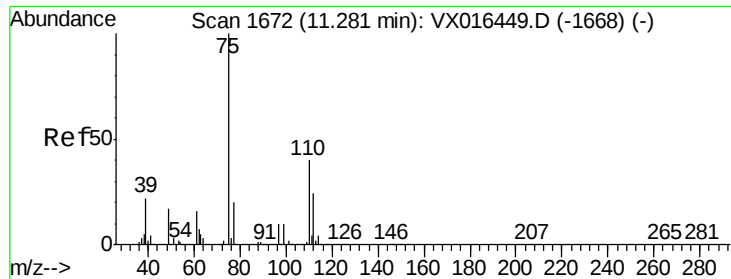
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.39 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016640.D

Acq: 08 Jun 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

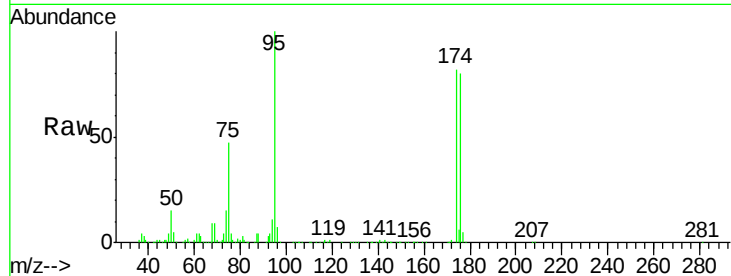
PB129340ZHE#07

Tgt Ion: 75 Resp: 86743

Ion Ratio Lower Upper

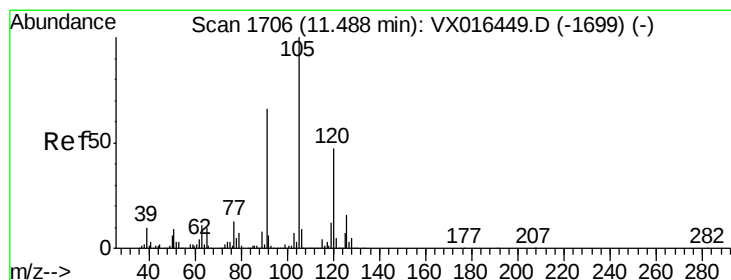
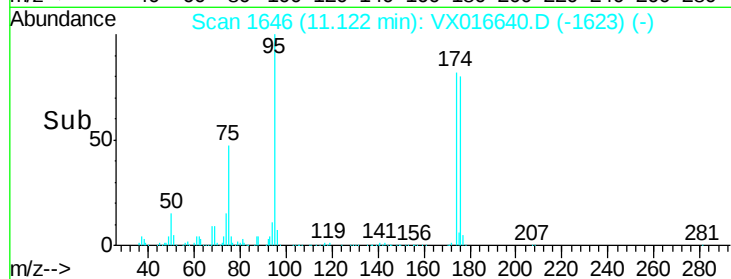
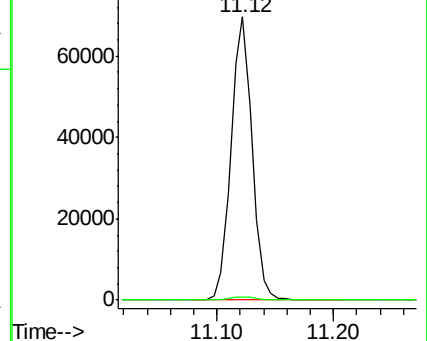
75 100

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: 0.58 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016640.D

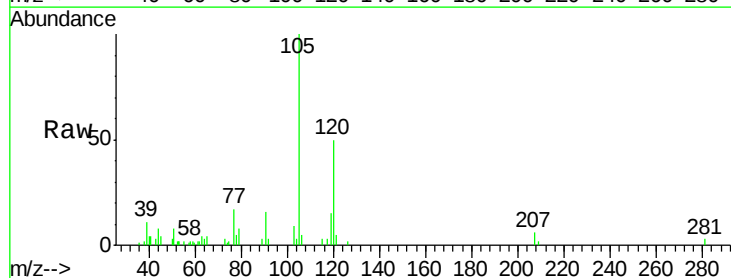
Acq: 08 Jun 2020 16:26

Tgt Ion: 105 Resp: 6202

Ion Ratio Lower Upper

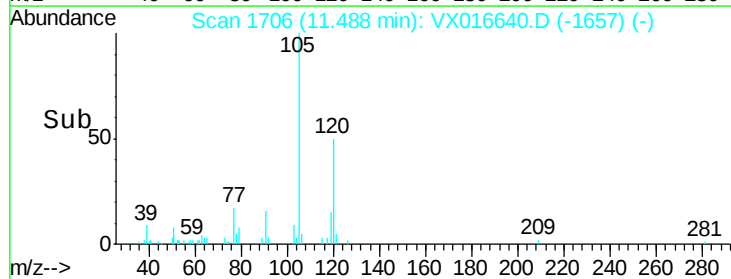
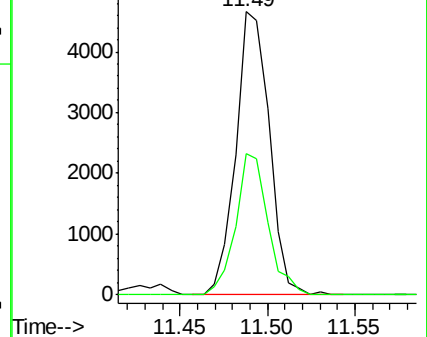
105 100

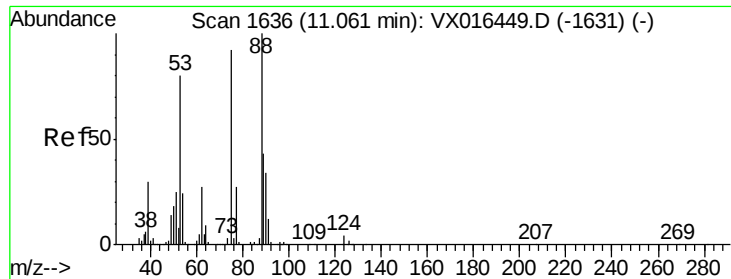
120 48.3 24.3 72.8



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: 52.61 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016640.D
 Acq: 08 Jun 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#07

Tgt Ion: 75 Resp: 86743
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

