

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016642.D
 Acq On : 08 Jun 2020 17:12
 Operator : JC/SP
 Sample : PB129340ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#09

Quant Time: Jun 09 05:47:07 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	234273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190062	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	135019	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	5.47	113	112428	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	8.70	98	458736	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.12	95	182314	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

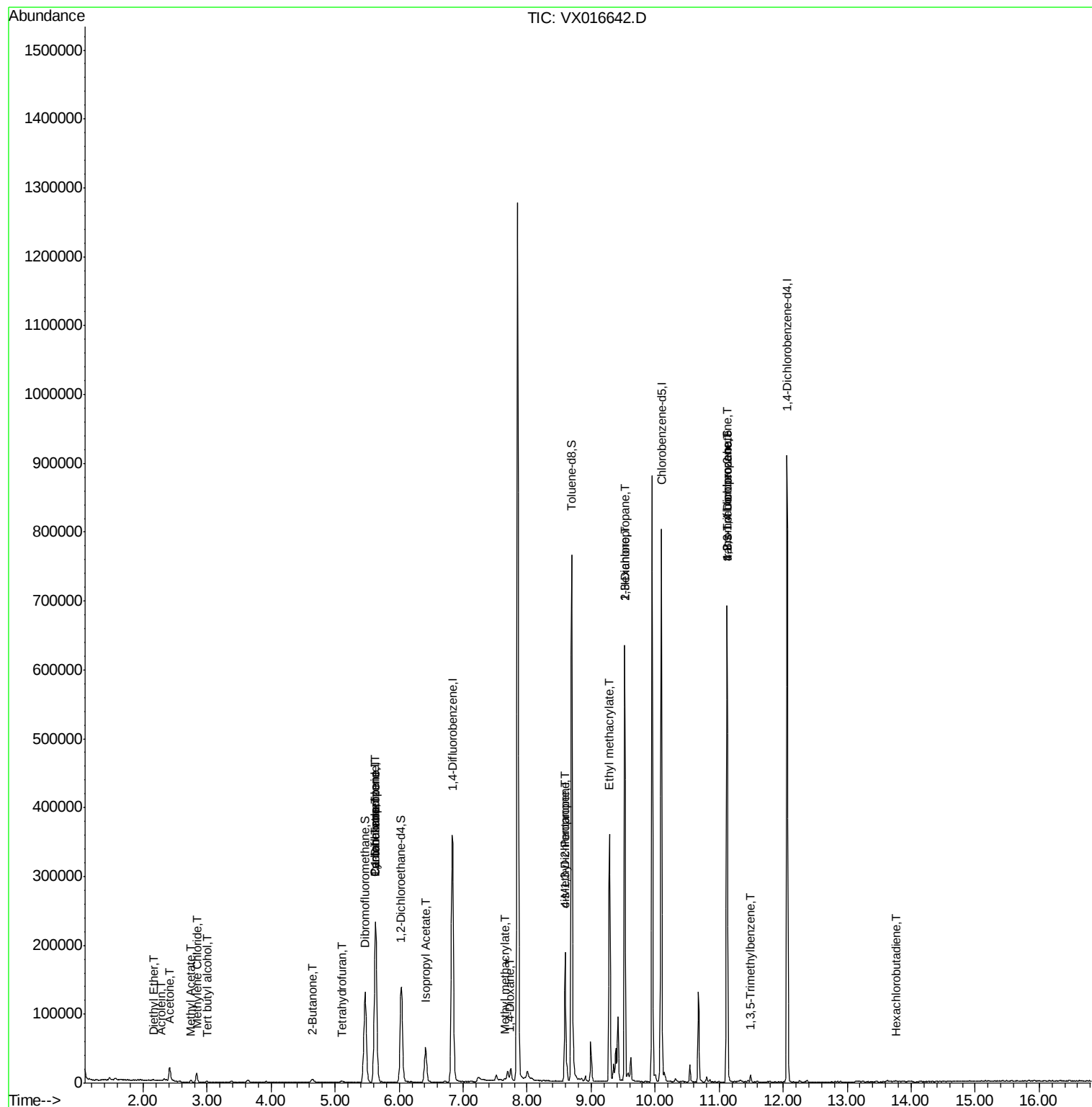
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	359	0.22	ug/l	86
11) Tert butyl alcohol	3.01	59	901	1.21	ug/l #	80
13) Acrolein	2.28	56	281	0.89	ug/l #	70
16) Acetone	2.42	43	19880	15.60	ug/l	96
18) Methyl Acetate	2.75	43	3100	0.95	ug/l	99
20) Methylene Chloride	2.84	84	6070	2.30	ug/l	91
25) 2-Butanone	4.65	43	4306	1.99	ug/l #	89
29) Tetrahydrofuran	5.10	42	1680	1.20	ug/l #	84
31) Cyclohexane	5.63	56	4129	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	16349	4.68	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21943	5.98	ug/l #	17
43) Isopropyl Acetate	6.42	43	65842	10.06	ug/l	97
48) Methyl methacrylate	7.65	41	3755	1.20	ug/l #	14
49) 1,4-Dioxane	7.72	88	21	0.29	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	64524	15.84	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	31352	7.07	ug/l #	62
56) Ethyl methacrylate	9.29	69	1105	0.26	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5397	1.21	ug/l #	42
59) 2-Hexanone	9.52	43	67763	21.39	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	90081	21.56	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	4818	0.44	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	90081	53.04	ug/l #	14
94) Hexachlorobutadiene	13.77	225	303	0.20	ug/l	89

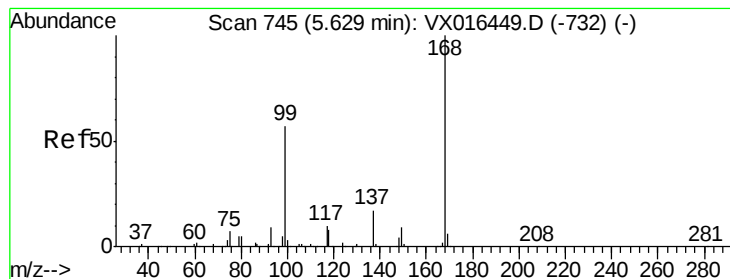
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jun 09 05:47:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

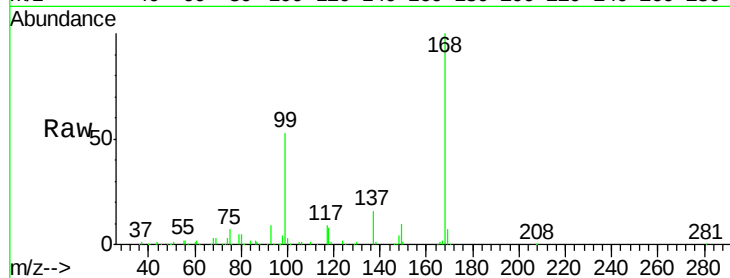
PB129340ZHE#09

Tgt Ion:168 Resp: 234273

Ion Ratio Lower Upper

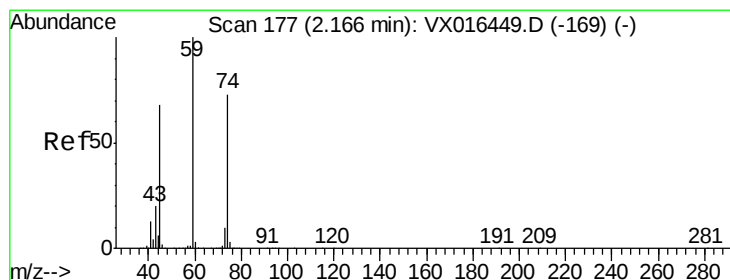
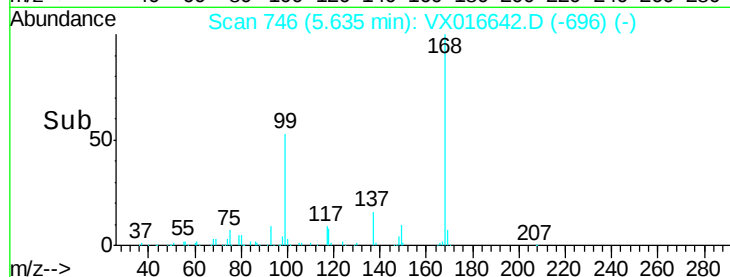
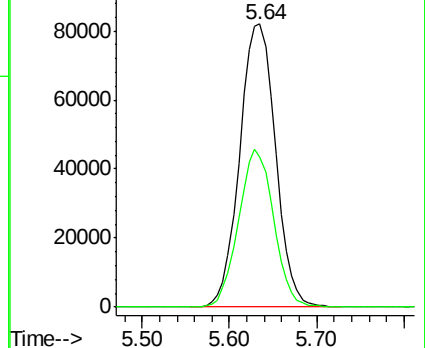
168 100

99 52.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX016642.D

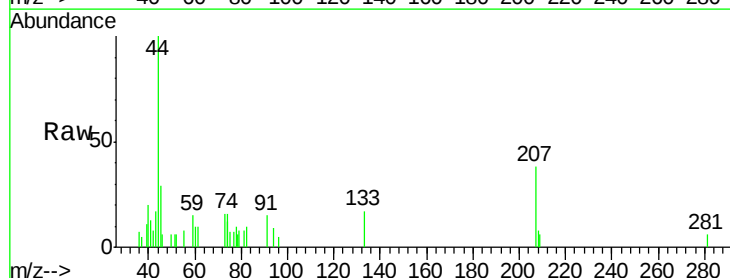
Acq: 08 Jun 2020 17:12

Tgt Ion: 74 Resp: 359

Ion Ratio Lower Upper

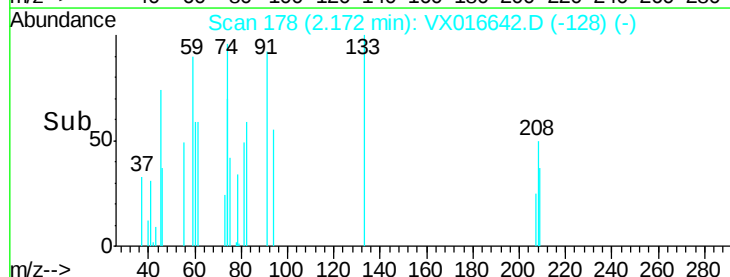
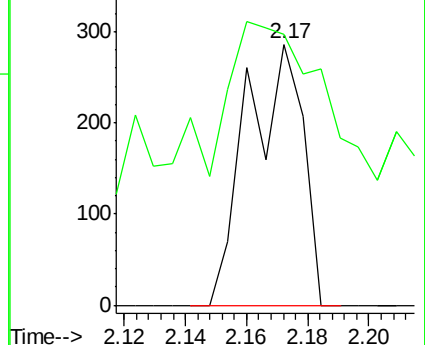
74 100

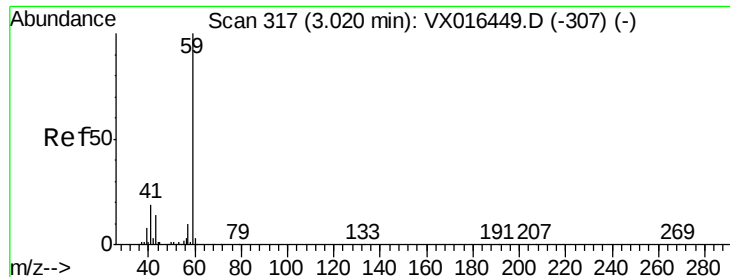
45 108.4 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

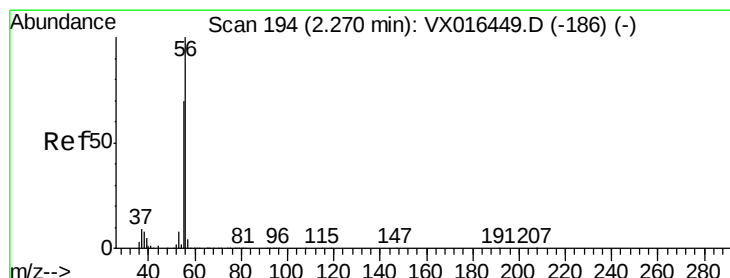
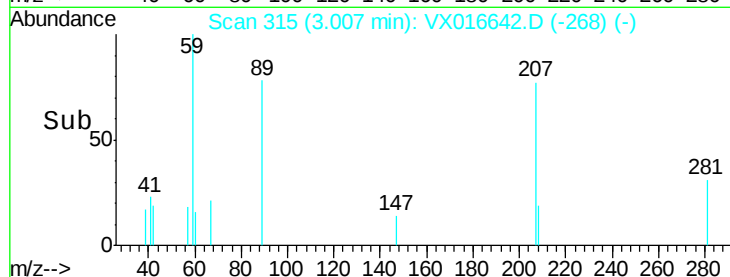
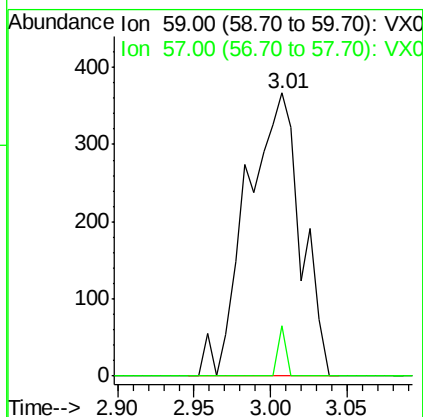
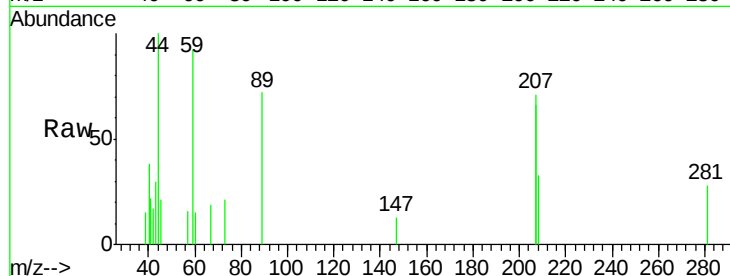




#11
Tert butyl alcohol
Concen: 1.21 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

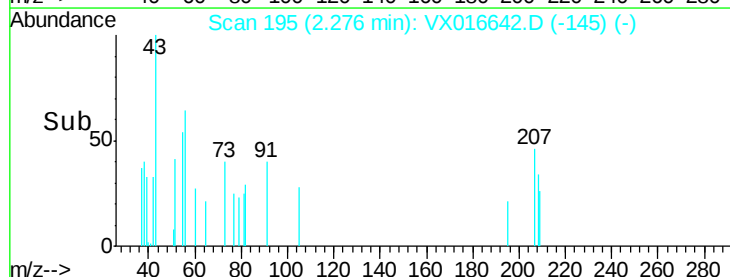
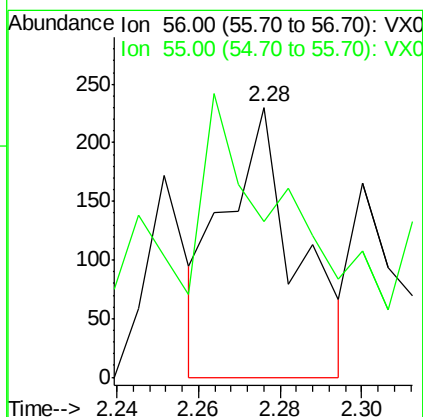
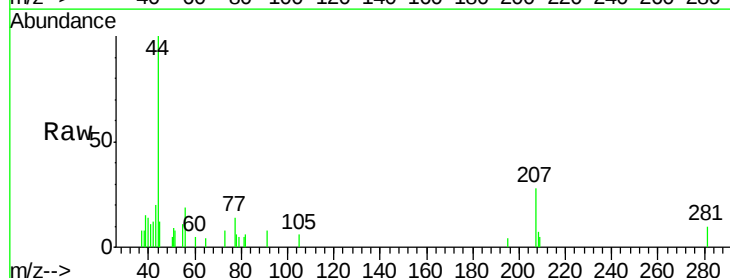
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#09

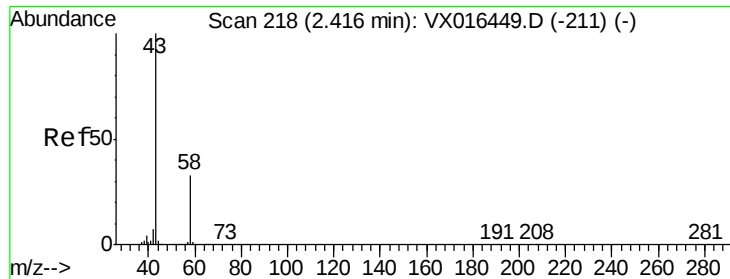
Tgt Ion: 59 Resp: 901
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.4#



#13
Acrolein
Concen: 0.89 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 98.2 58.3 87.5#





#16

Acetone

Concen: 15.60 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

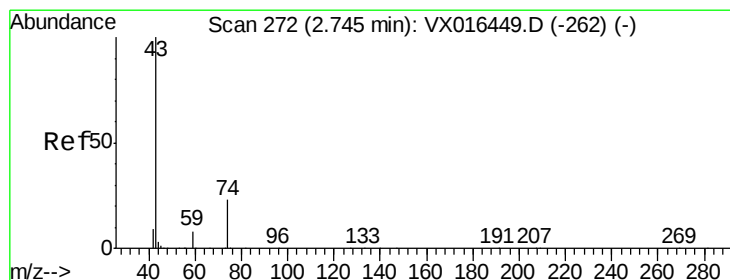
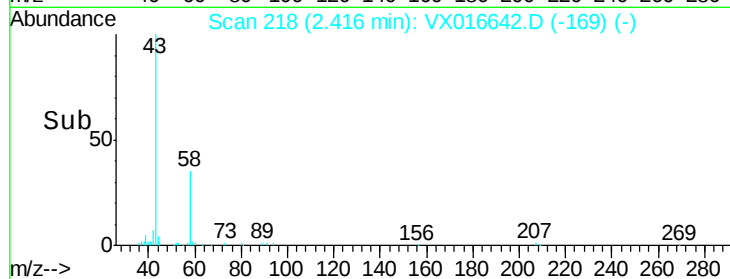
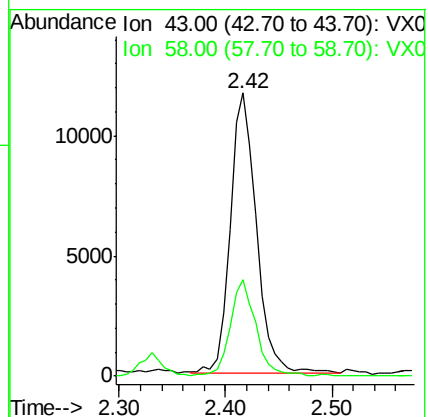
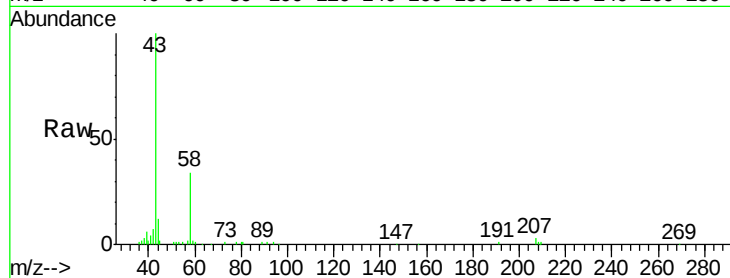
PB129340ZHE#09

Tgt Ion: 43 Resp: 19880

Ion Ratio Lower Upper

43 100

58 34.6 26.1 39.1



#18

Methyl Acetate

Concen: 0.95 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016642.D

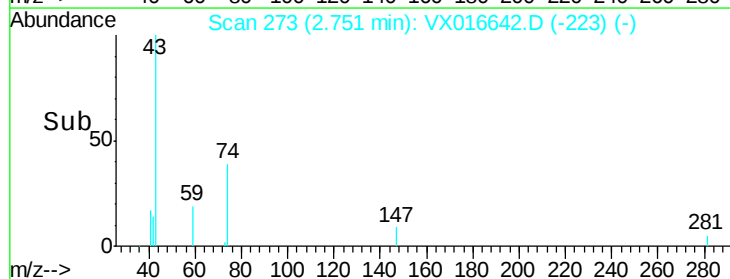
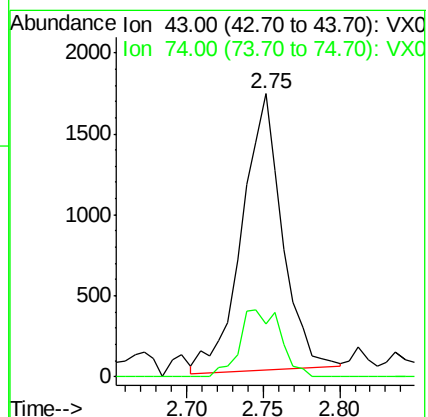
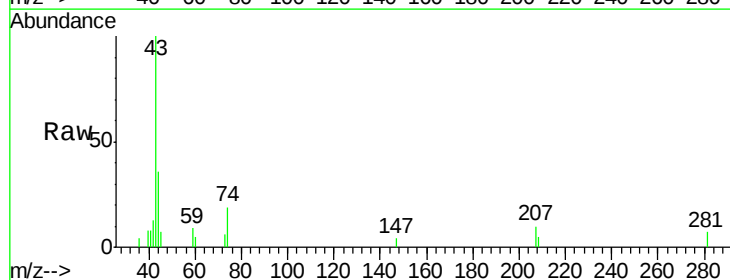
Acq: 08 Jun 2020 17:12

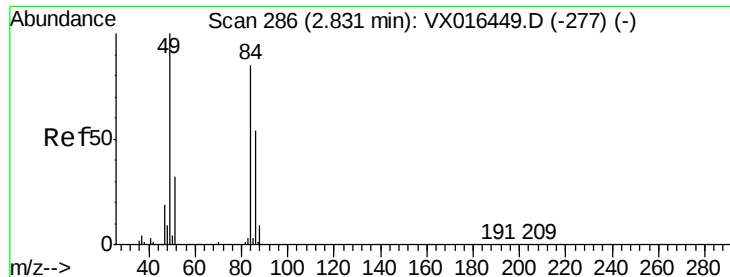
Tgt Ion: 43 Resp: 3100

Ion Ratio Lower Upper

43 100

74 25.1 19.7 29.5

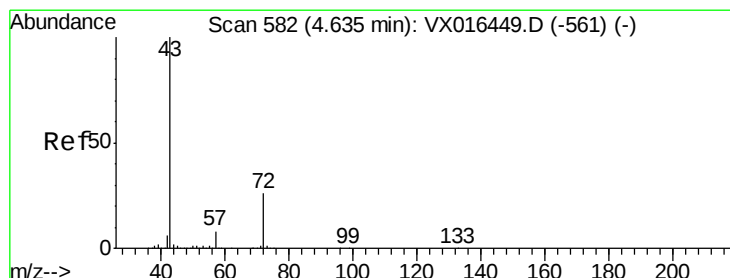
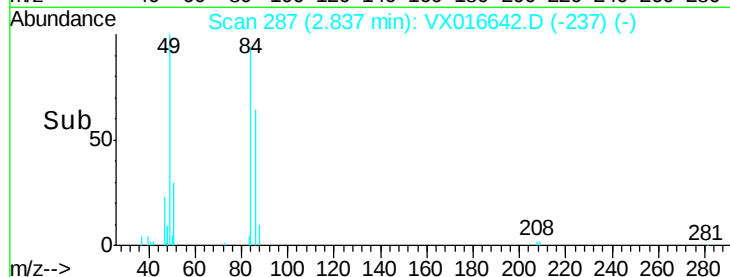
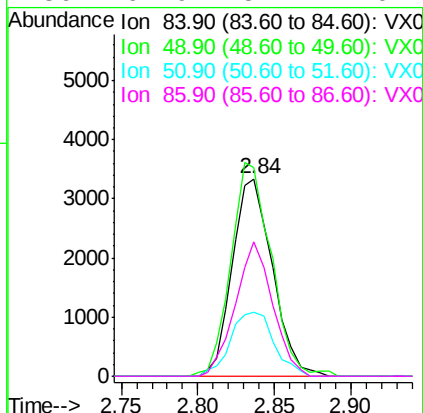
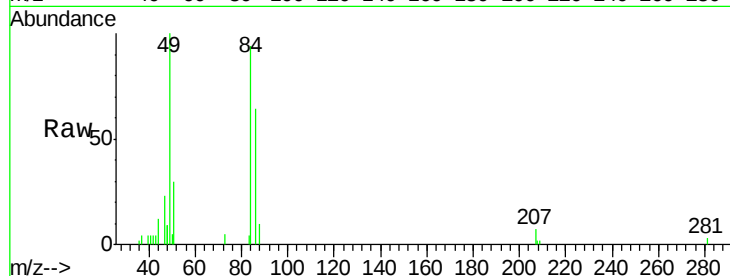




#20
Methylene Chloride
Concen: 2.30 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

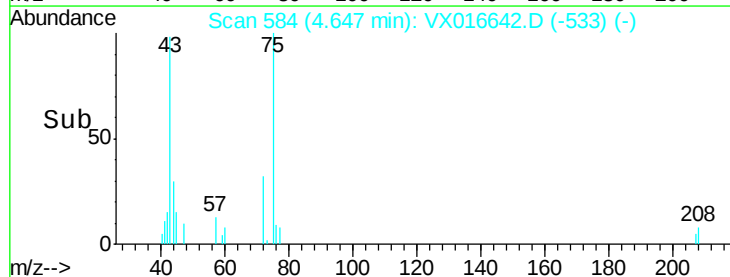
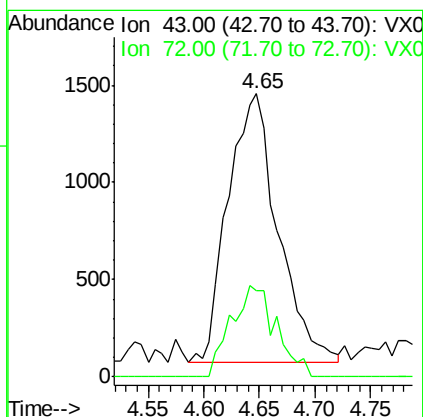
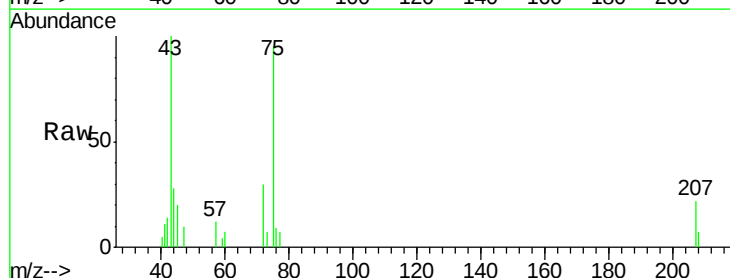
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#09

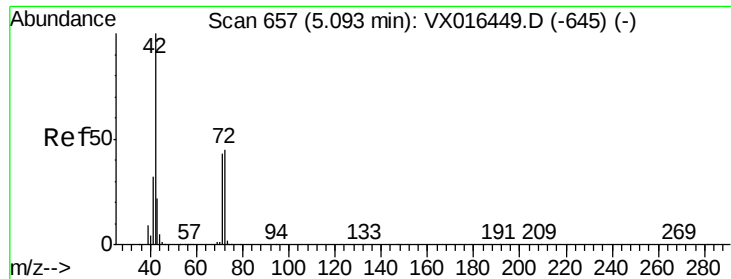
Tgt Ion:	84	Resp:	6070
Ion	Ratio	Lower	Upper
84	100		
49	105.9	94.5	141.7
51	32.2	30.2	45.4
86	67.9	51.1	76.7



#25
2-Butanone
Concen: 1.99 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

Tgt Ion:	43	Resp:	4306
Ion	Ratio	Lower	Upper
43	100		
72	31.9	21.0	31.6#





#29

Tetrahydrofuran

Concen: 1.20 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09

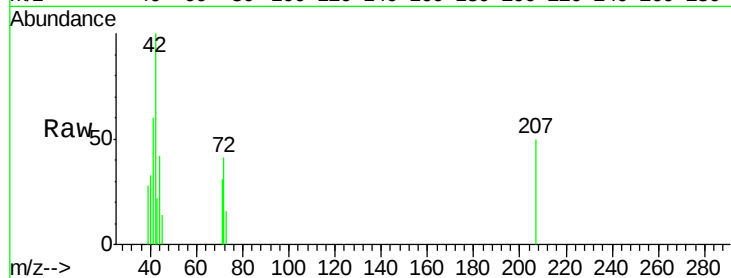
Tgt Ion: 42 Resp: 1680

Ion Ratio Lower Upper

42 100

72 37.3 37.0 55.4

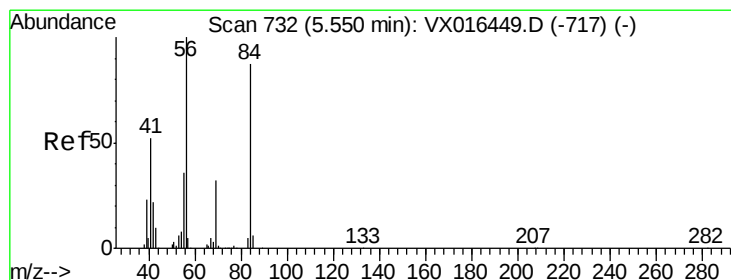
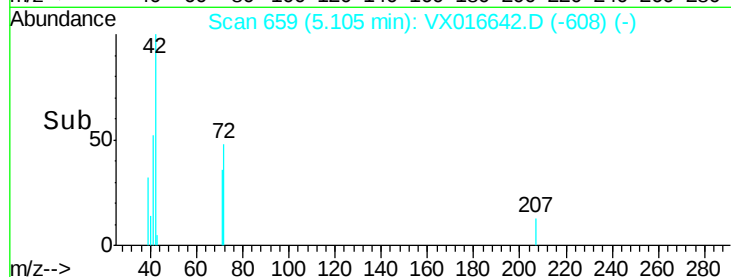
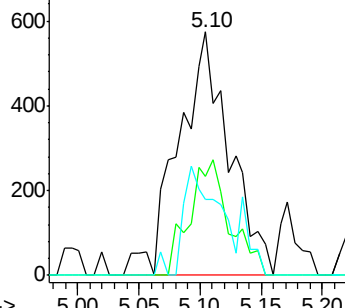
71 30.4 34.1 51.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.02 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

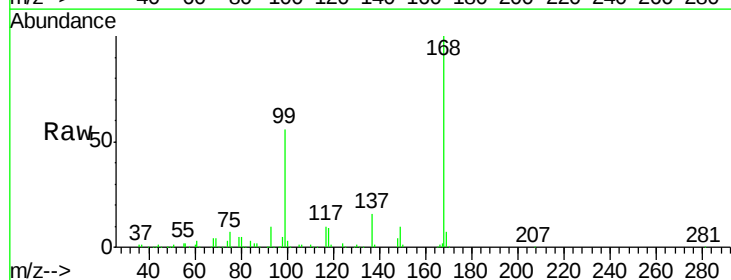
Tgt Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

69 202.3 25.7 38.5#

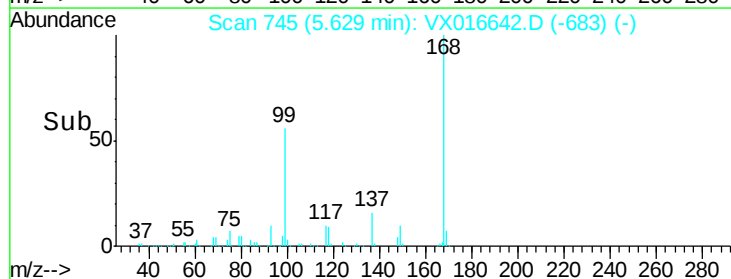
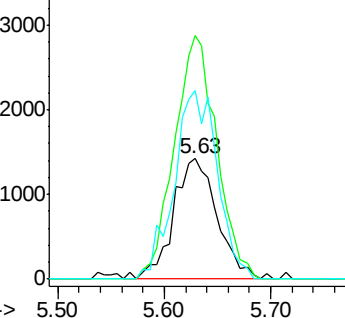
84 156.7 70.0 105.0#

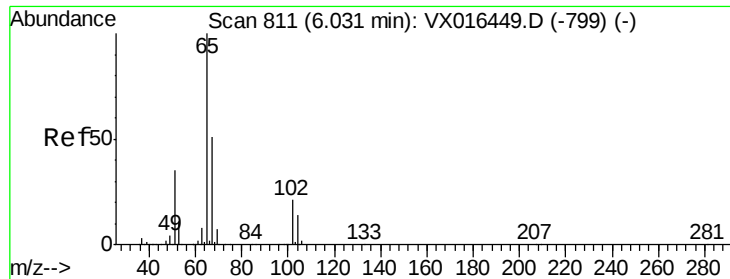


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

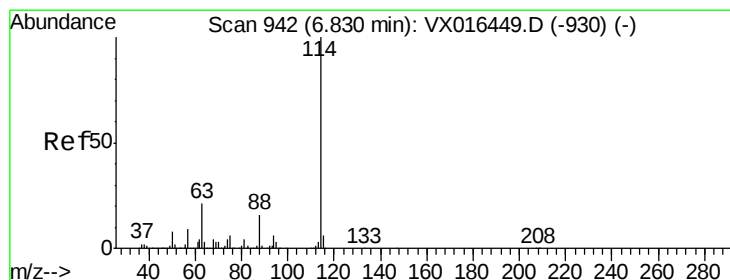
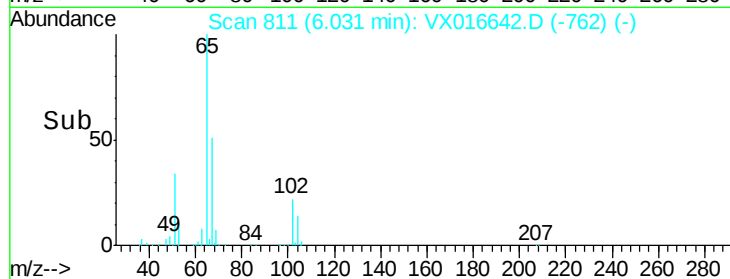
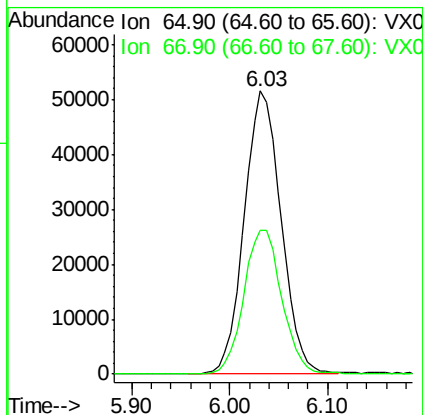
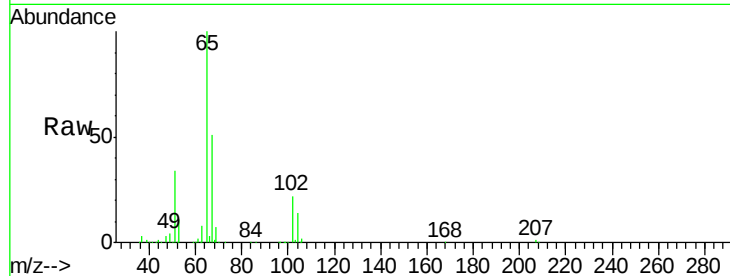




#33
 1,2-Dichloroethane-d4
 Concen: 46.41 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

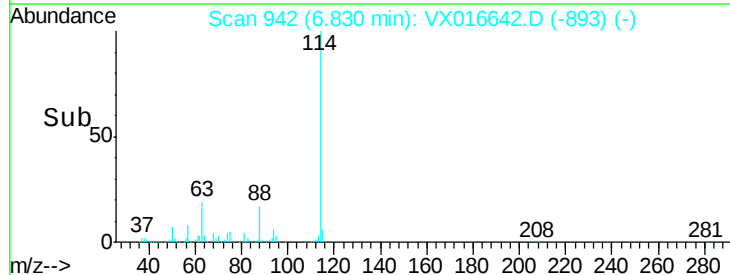
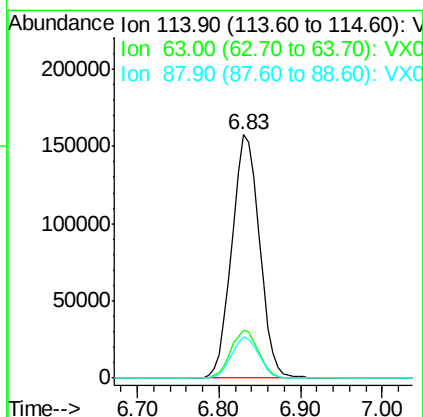
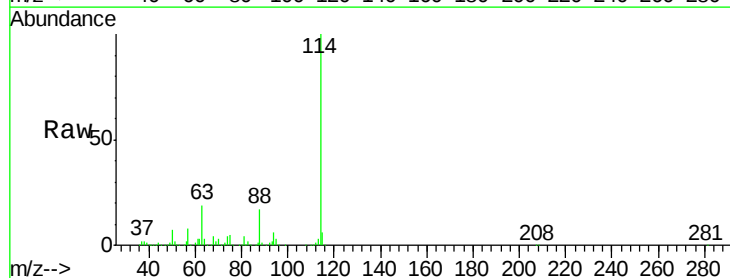
Instrument :
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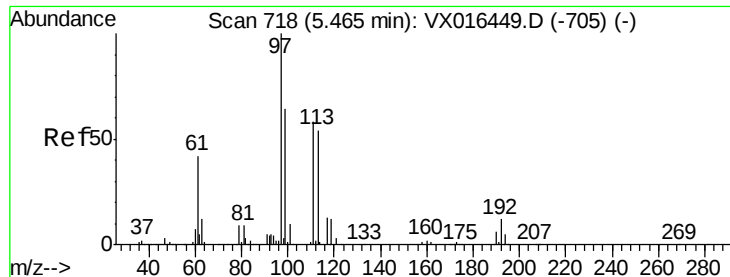
Tgt Ion: 65 Resp: 135019
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

Tgt Ion: 114 Resp: 368965
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.6
 88 16.7 0.0 32.8

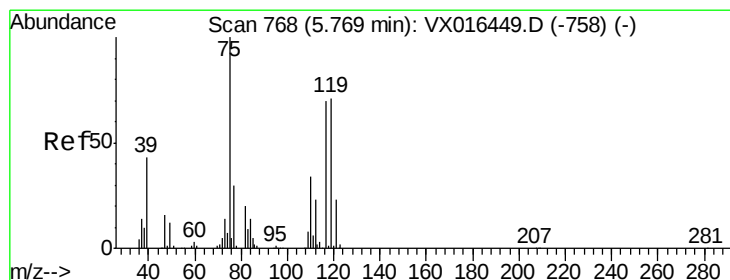
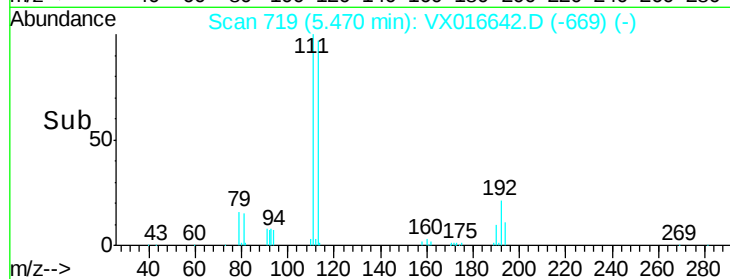
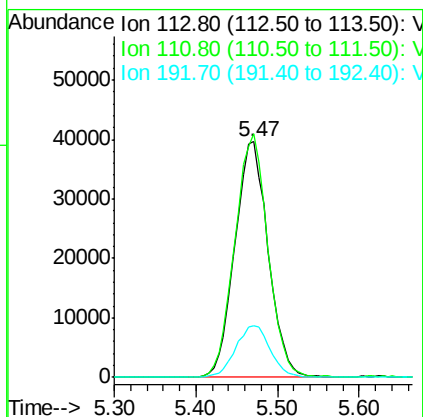
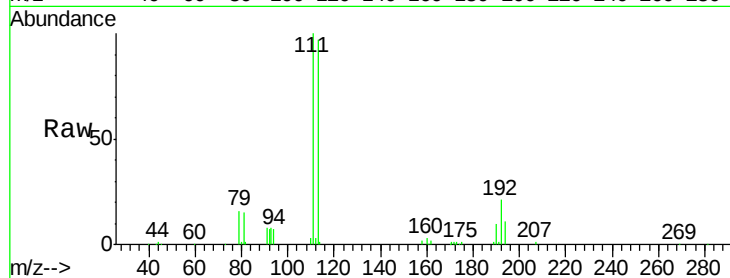




#35
 Dibromofluoromethane
 Concen: 49.49 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

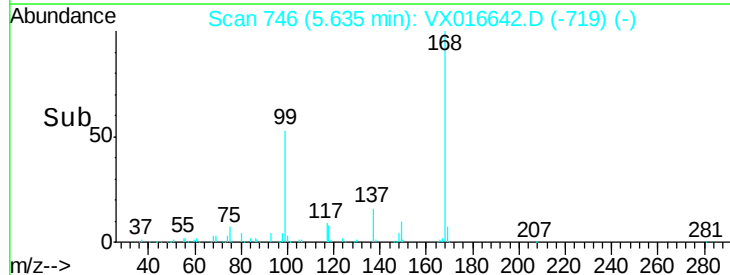
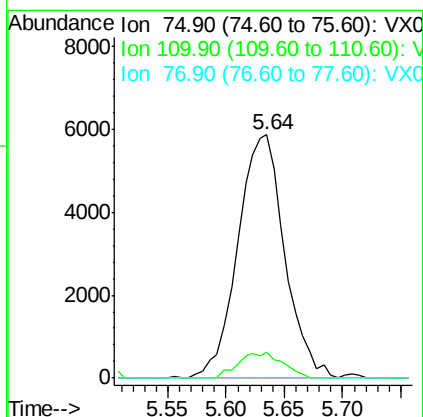
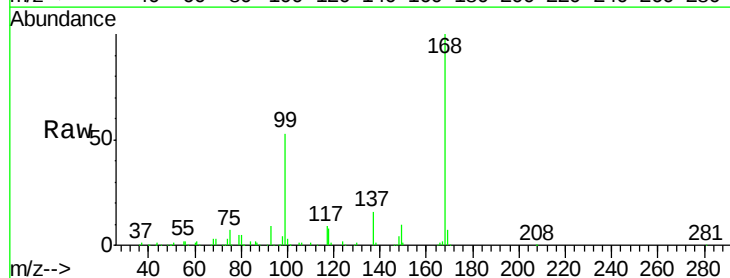
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#09

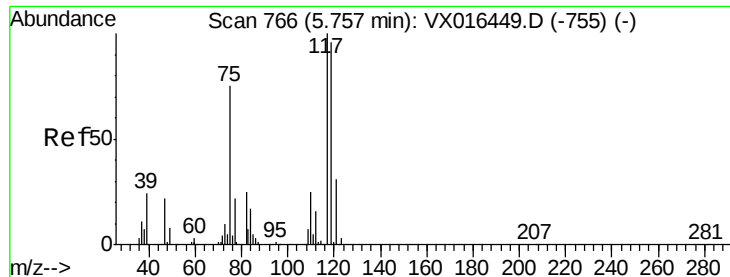
Tgt Ion:113 Resp: 112428
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 22.6 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.68 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

Tgt Ion: 75 Resp: 16349
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.4 52.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.98 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09

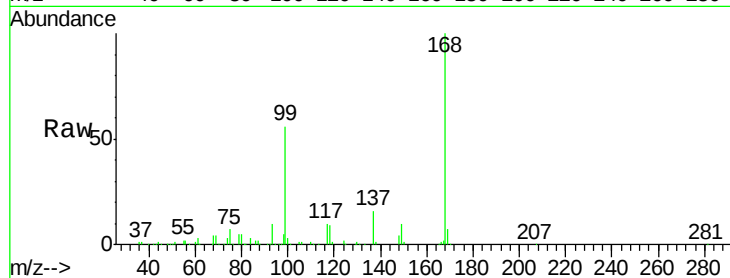
Tgt Ion:117 Resp: 21943

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

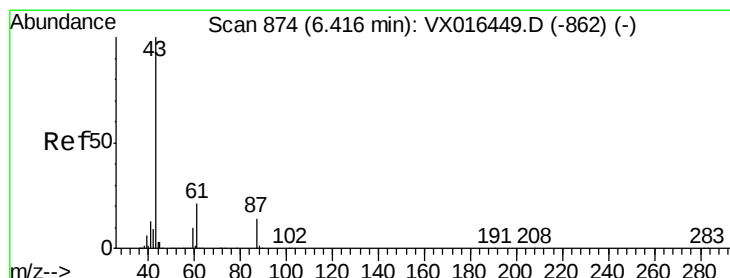
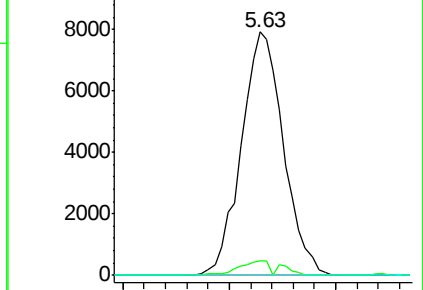
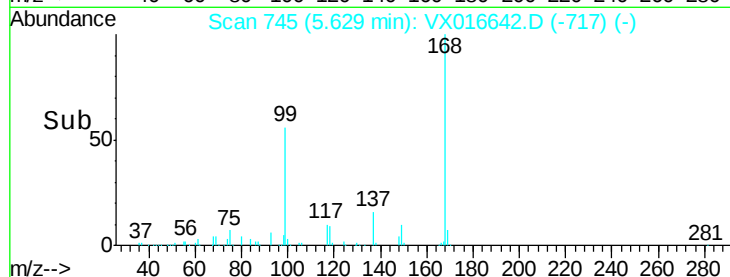
121 0.0 24.6 37.0#



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: 10.06 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

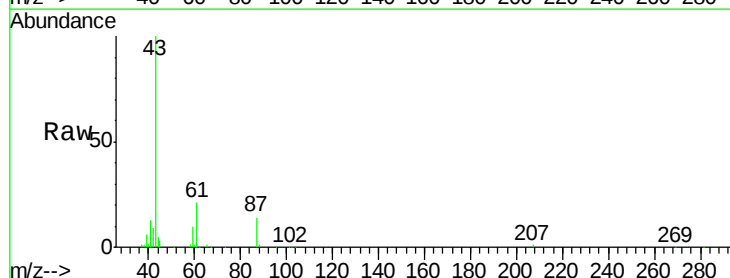
Tgt Ion: 43 Resp: 65842

Ion Ratio Lower Upper

43 100

61 22.2 16.8 25.2

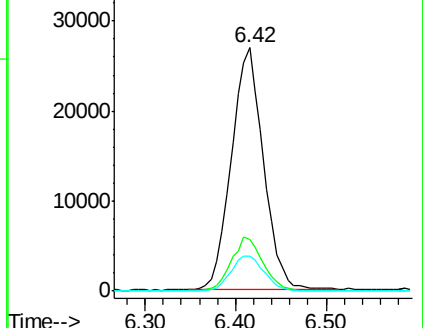
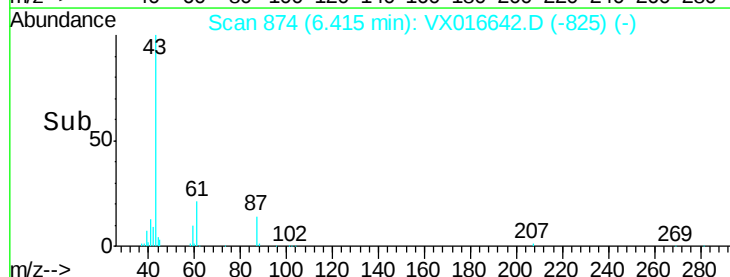
87 15.1 11.2 16.8

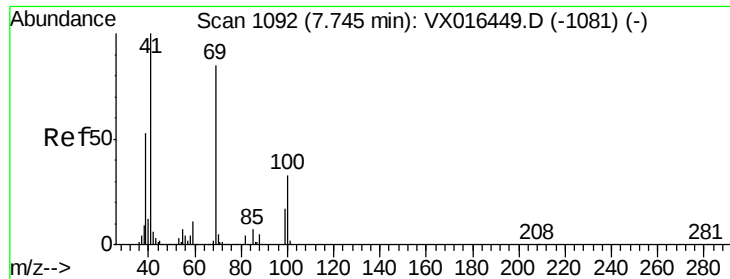


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

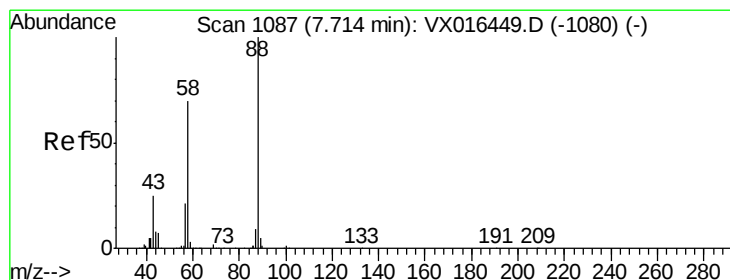
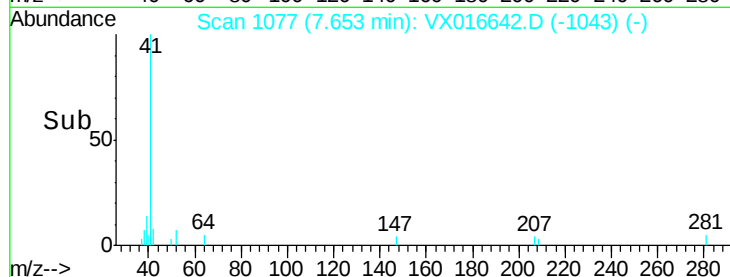
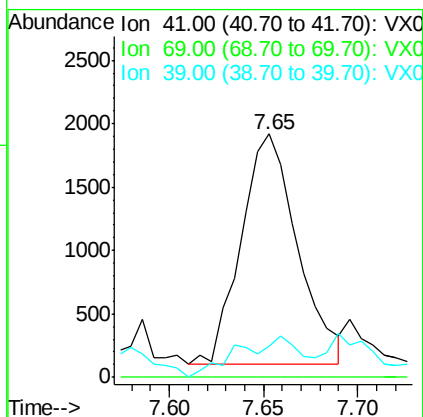
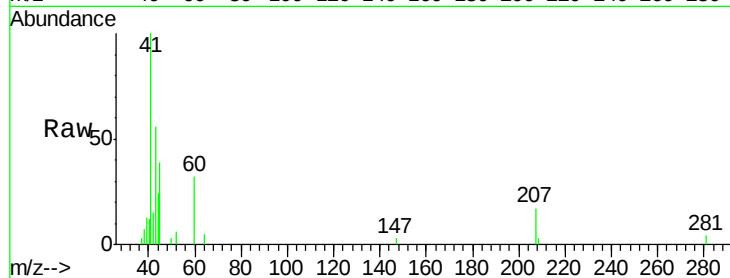




#48
Methyl methacrylate
Concen: 1.20 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

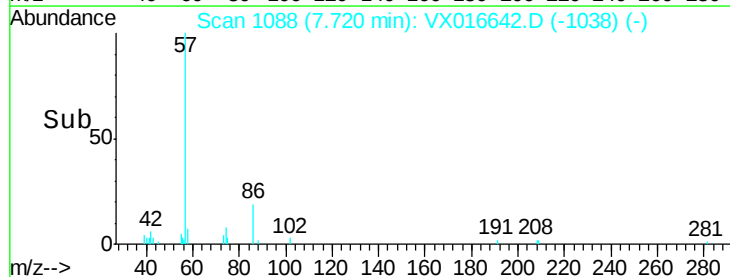
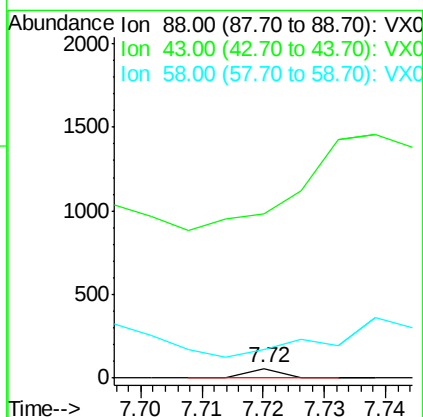
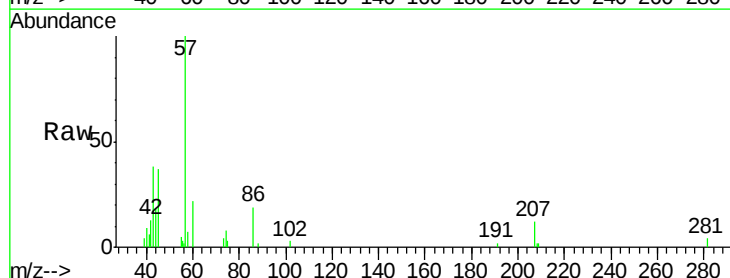
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#09

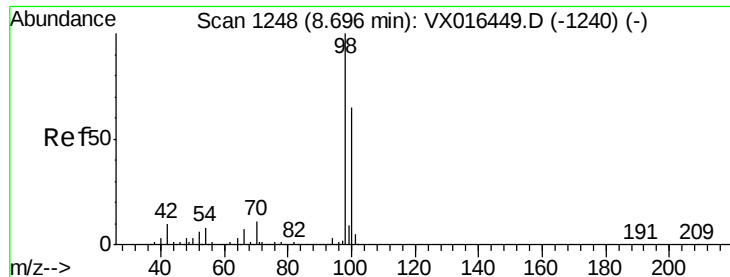
Tgt Ion: 41 Resp: 3755
Ion Ratio Lower Upper
41 100
69 0.0 68.6 102.8#
39 0.0 42.4 63.6#



#49
1,4-Dioxane
Concen: 0.29 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016642.D
Acq: 08 Jun 2020 17:12

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 3219.0 56.5 84.7#





#50

Toluene-d8

Concen: 51.88 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

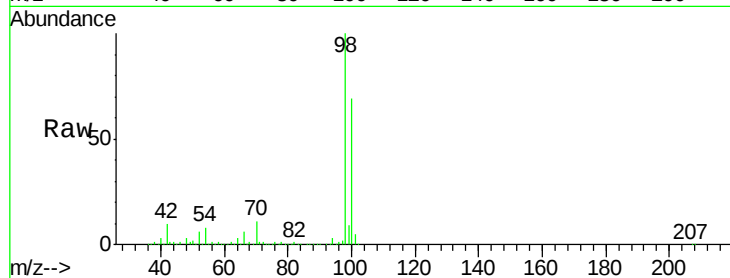
PB129340ZHE#09

Tgt Ion: 98 Resp: 458736

Ion Ratio Lower Upper

98 100

100 67.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

300000

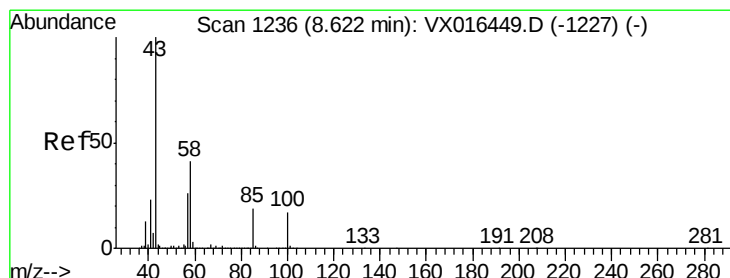
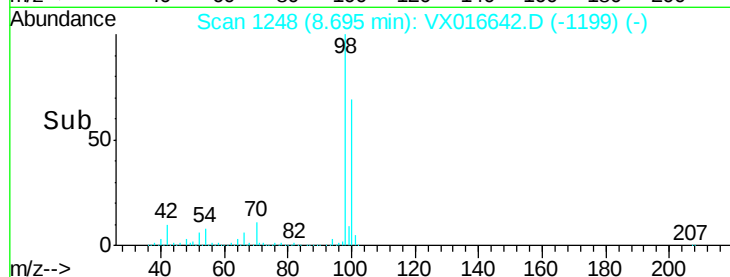
200000

100000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.84 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016642.D

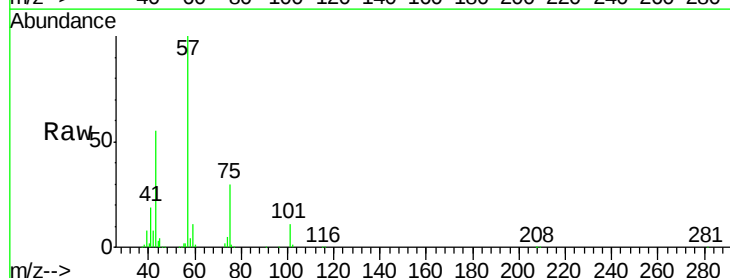
Acq: 08 Jun 2020 17:12

Tgt Ion: 43 Resp: 64524

Ion Ratio Lower Upper

43 100

58 7.3 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

40000

30000

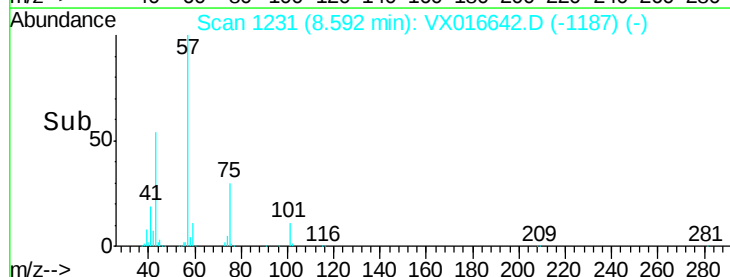
20000

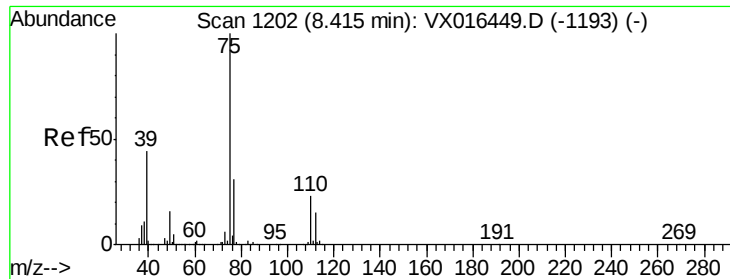
10000

0

8.50 8.55 8.60 8.65

Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.07 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09

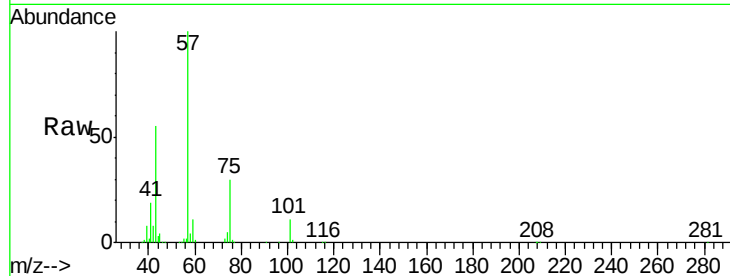
Tgt Ion: 75 Resp: 31352

Ion Ratio Lower Upper

75 100

77 0.6 24.6 36.8#

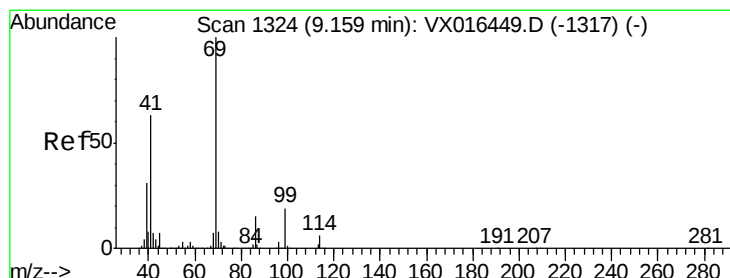
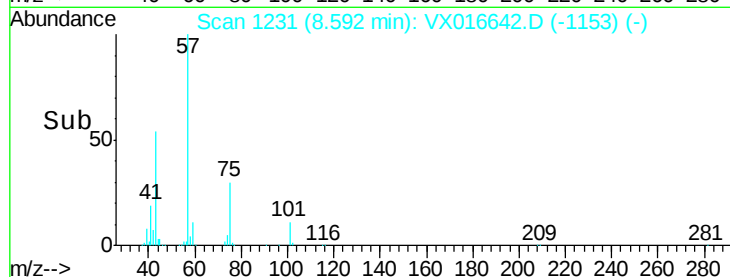
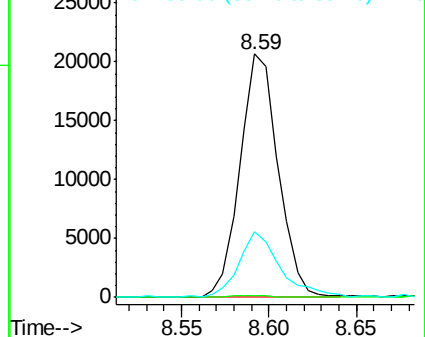
39 26.6 35.3 52.9#



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



#56

Ethyl methacrylate

Concen: 0.26 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

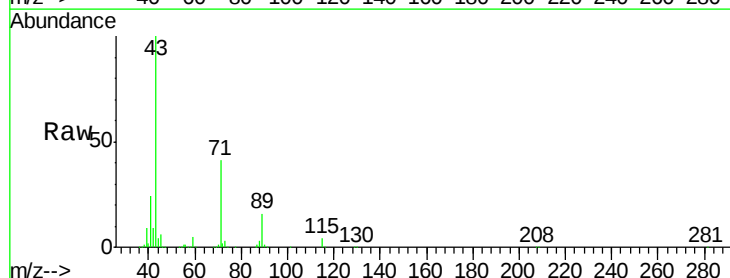
Tgt Ion: 69 Resp: 1105

Ion Ratio Lower Upper

69 100

41 4554.3 50.7 76.1#

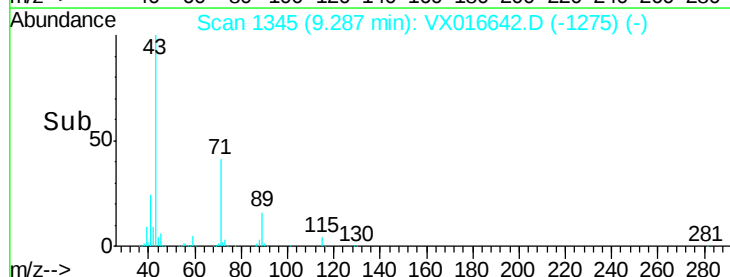
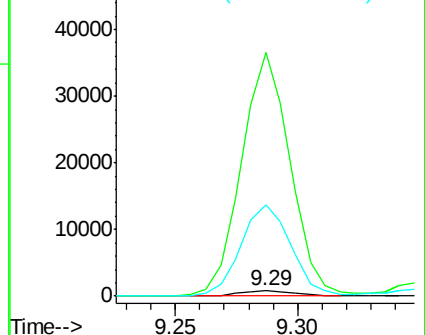
39 1779.9 25.8 38.6#

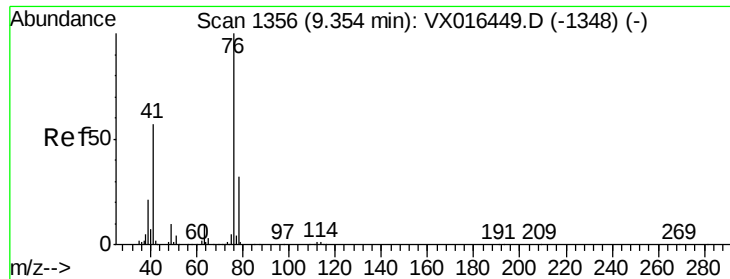


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 1.21 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.16 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

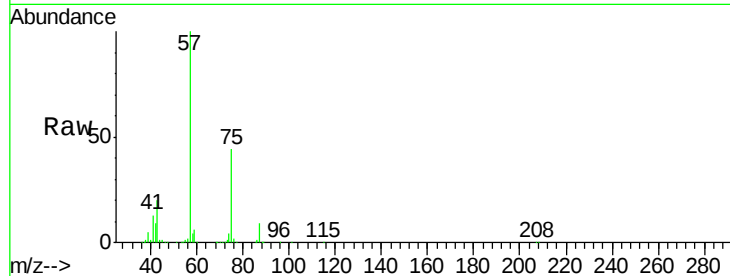
PB129340ZHE#09

Tgt Ion: 76 Resp: 5397

Ion Ratio Lower Upper

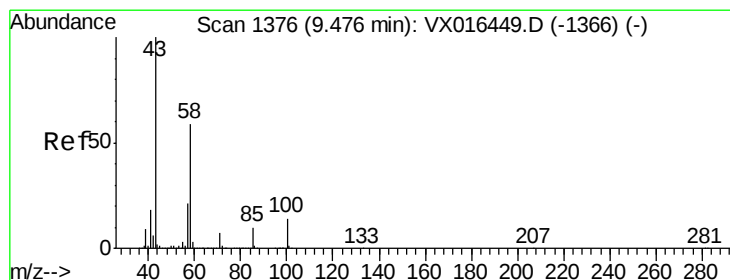
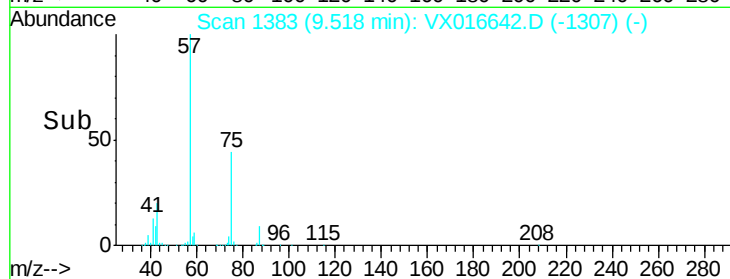
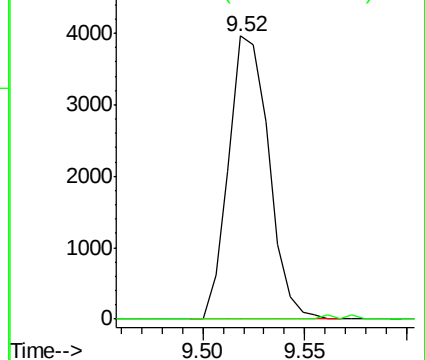
76 100

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: 21.39 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016642.D

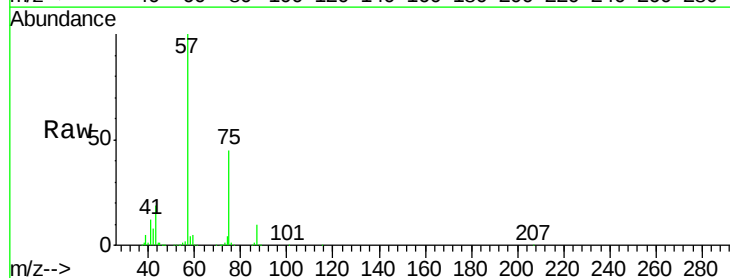
Acq: 08 Jun 2020 17:12

Tgt Ion: 43 Resp: 67763

Ion Ratio Lower Upper

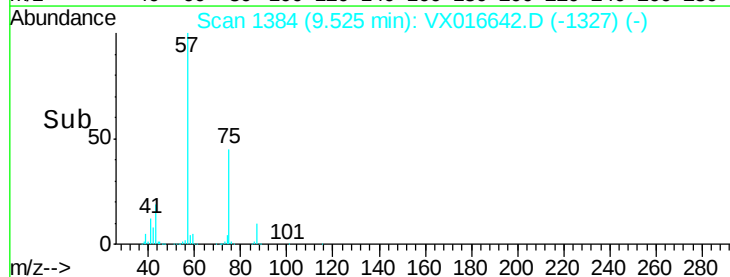
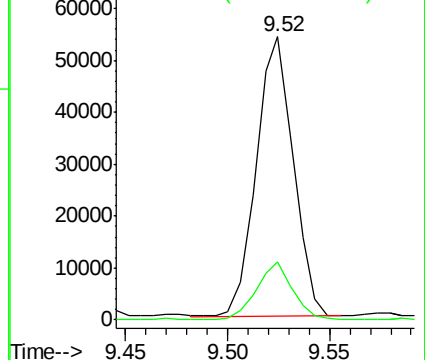
43 100

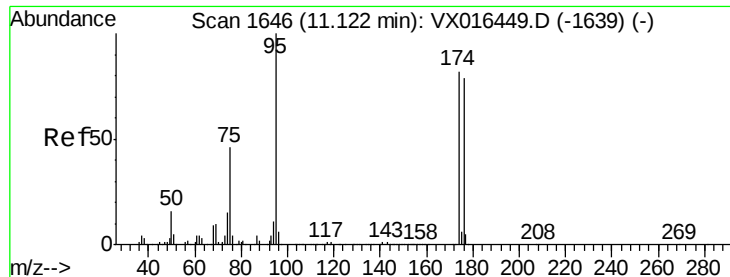
58 20.5 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.36 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09

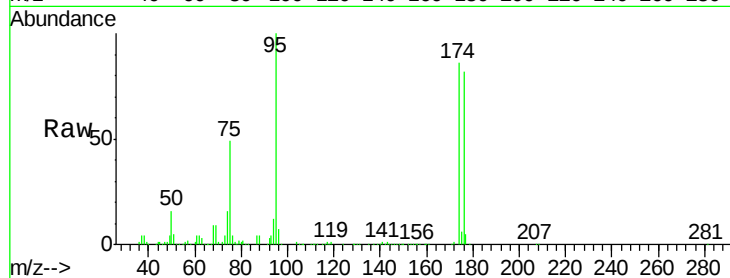
Tgt Ion: 95 Resp: 182314

Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.0

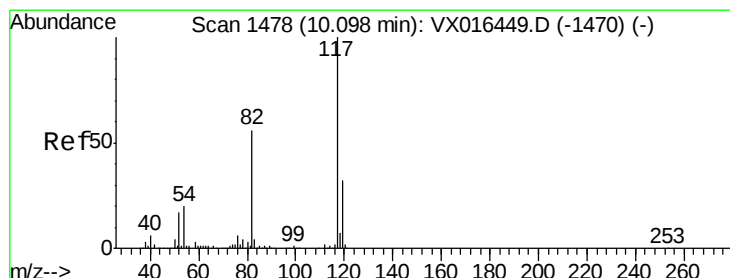
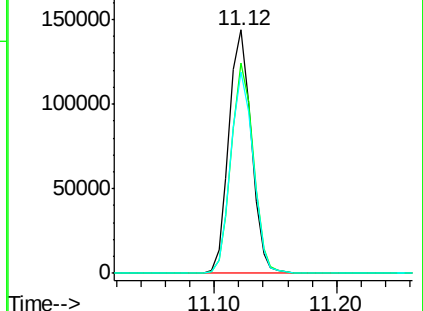
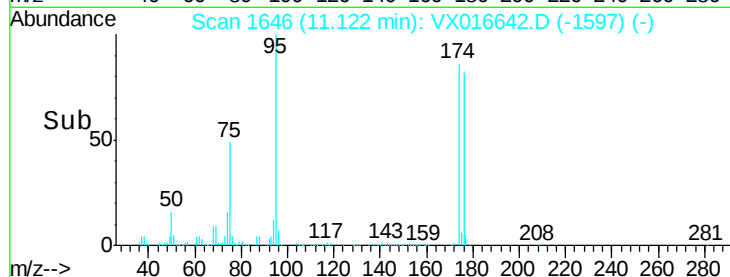
176 83.0 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016642.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016642.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016642.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

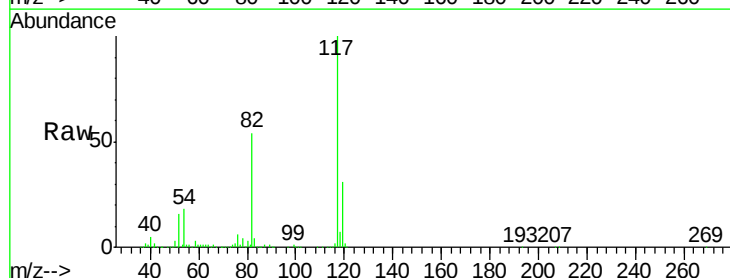
Tgt Ion: 117 Resp: 379781

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.6

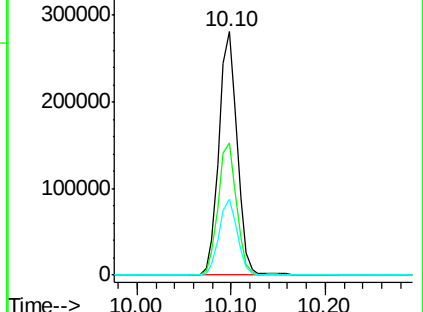
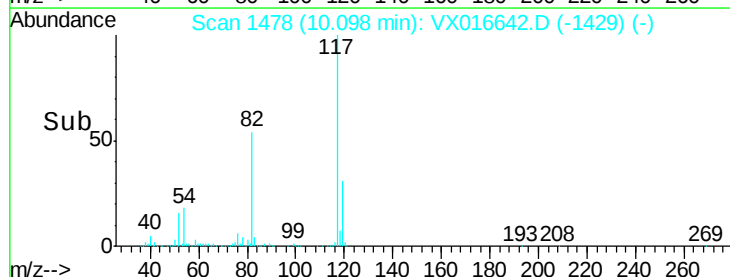
119 31.3 25.8 38.8

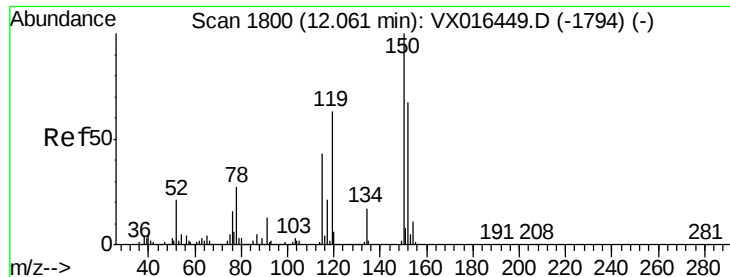


Abundance Ion 116.90 (116.60 to 117.60): VX016642.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016642.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016642.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016642.D

Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09

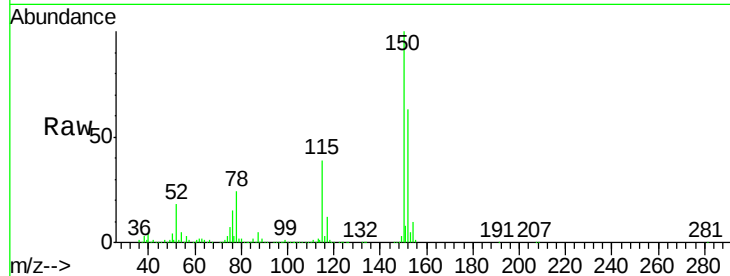
Tgt Ion: 152 Resp: 190062

Ion Ratio Lower Upper

152 100

115 59.8 39.9 119.6

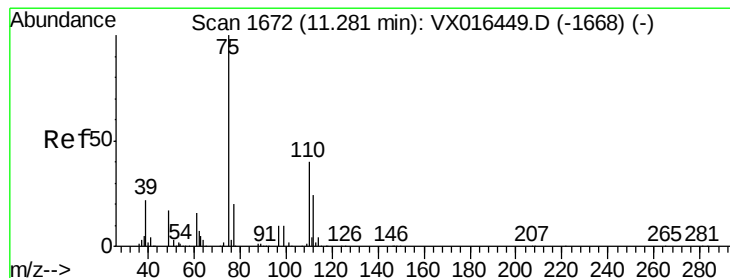
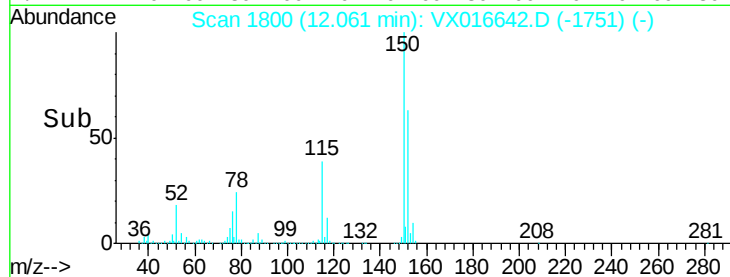
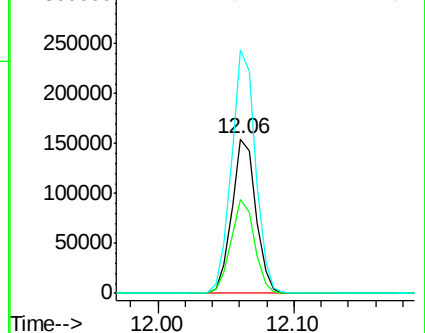
150 157.6 0.0 341.0



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: 21.56 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016642.D

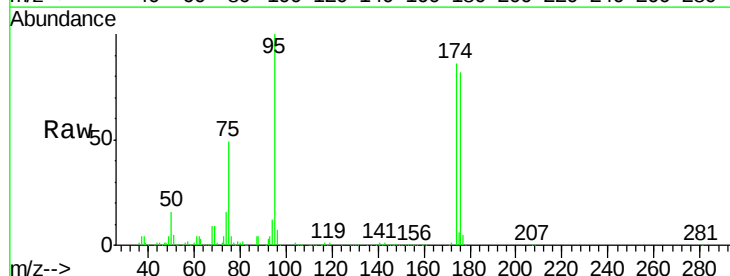
Acq: 08 Jun 2020 17:12

Tgt Ion: 75 Resp: 90081

Ion Ratio Lower Upper

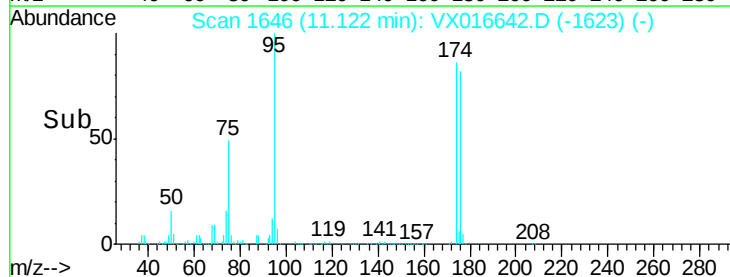
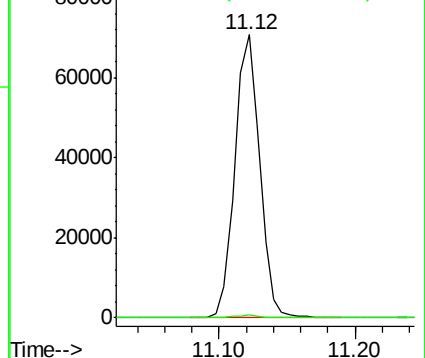
75 100

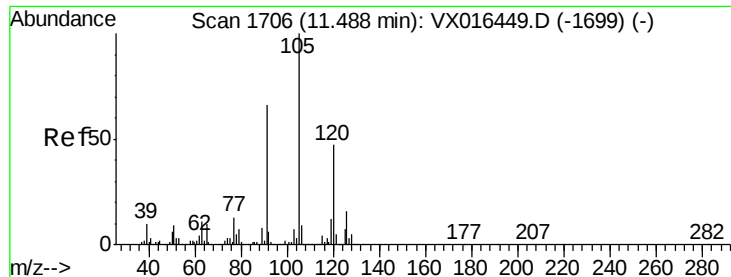
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

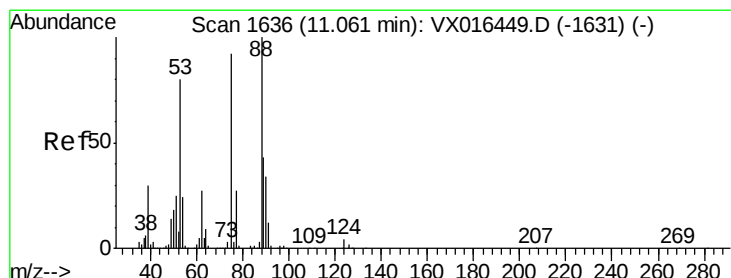
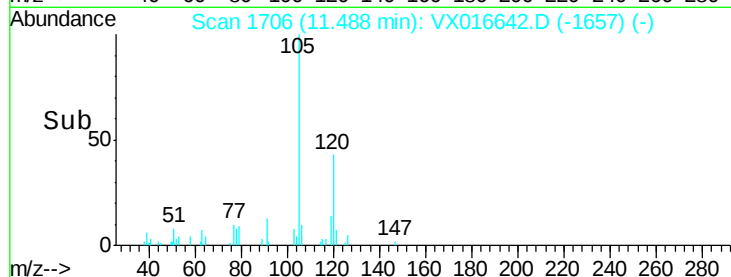
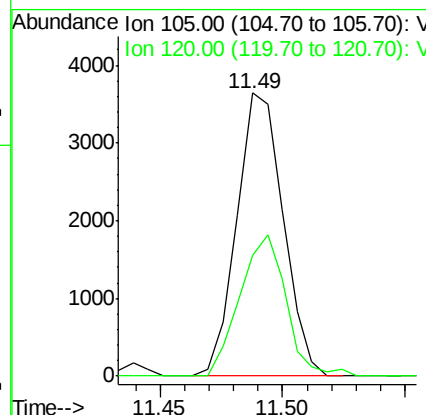
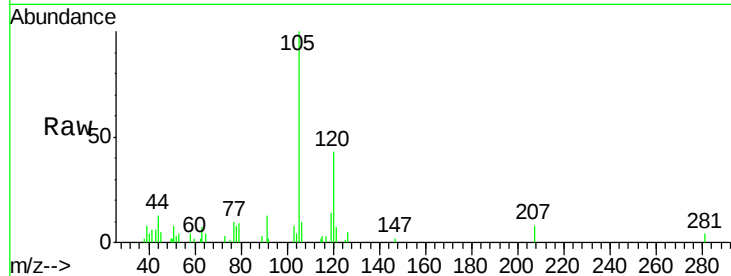




#80
 1,3,5-Trimethylbenzene
 Concen: 0.44 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

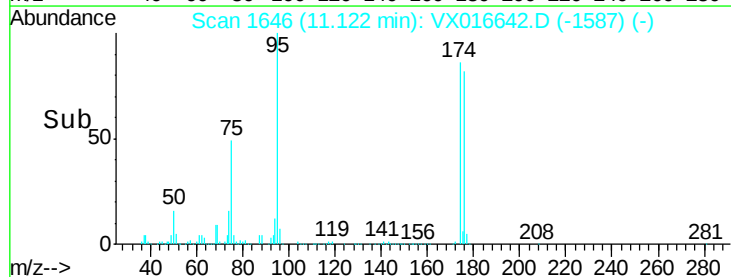
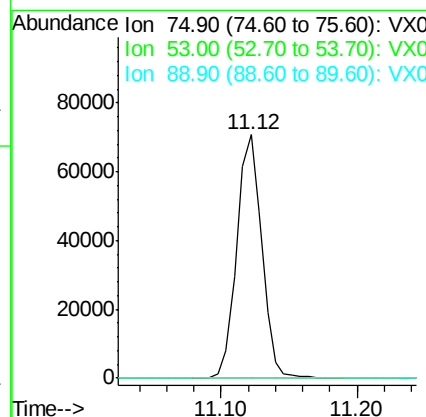
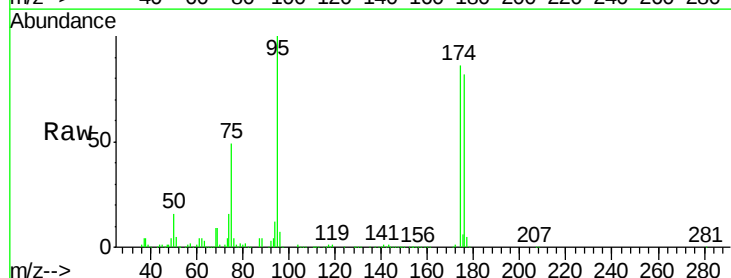
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#09

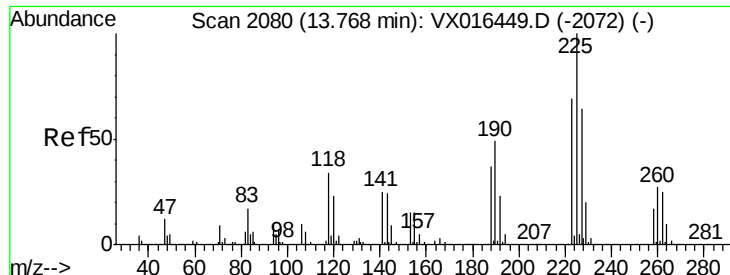
Tgt Ion: 105 Resp: 4818
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.04 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016642.D
 Acq: 08 Jun 2020 17:12

Tgt Ion: 75 Resp: 90081
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#





#94

Hexachlorobutadiene

Concen: 0.20 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016642.D

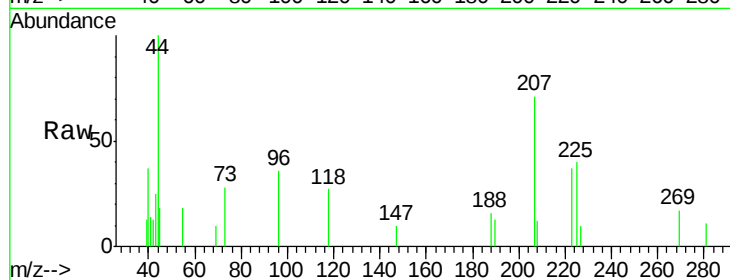
Acq: 08 Jun 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#09



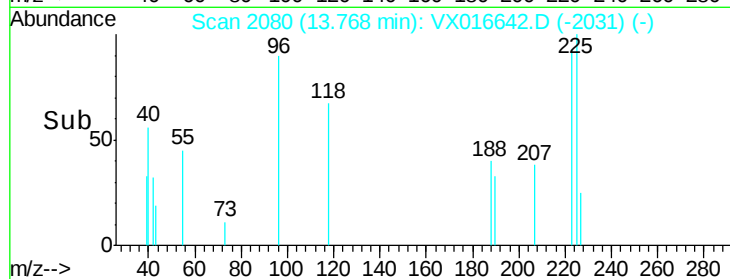
Tgt Ion: 225 Resp: 303

Ion Ratio Lower Upper

225 100

223 67.7 32.3 96.8

227 48.8 31.6 94.7



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

