

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016265.D
 Acq On : 15 May 2020 05:14
 Operator : JC/SP
 Sample : PB128867TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128867TB

Quant Time: May 15 06:47:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	258773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	430942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	426184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220713	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	155750	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	5.47	113	126561	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
50) Toluene-d8	8.70	98	535697	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.12	95	216133	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

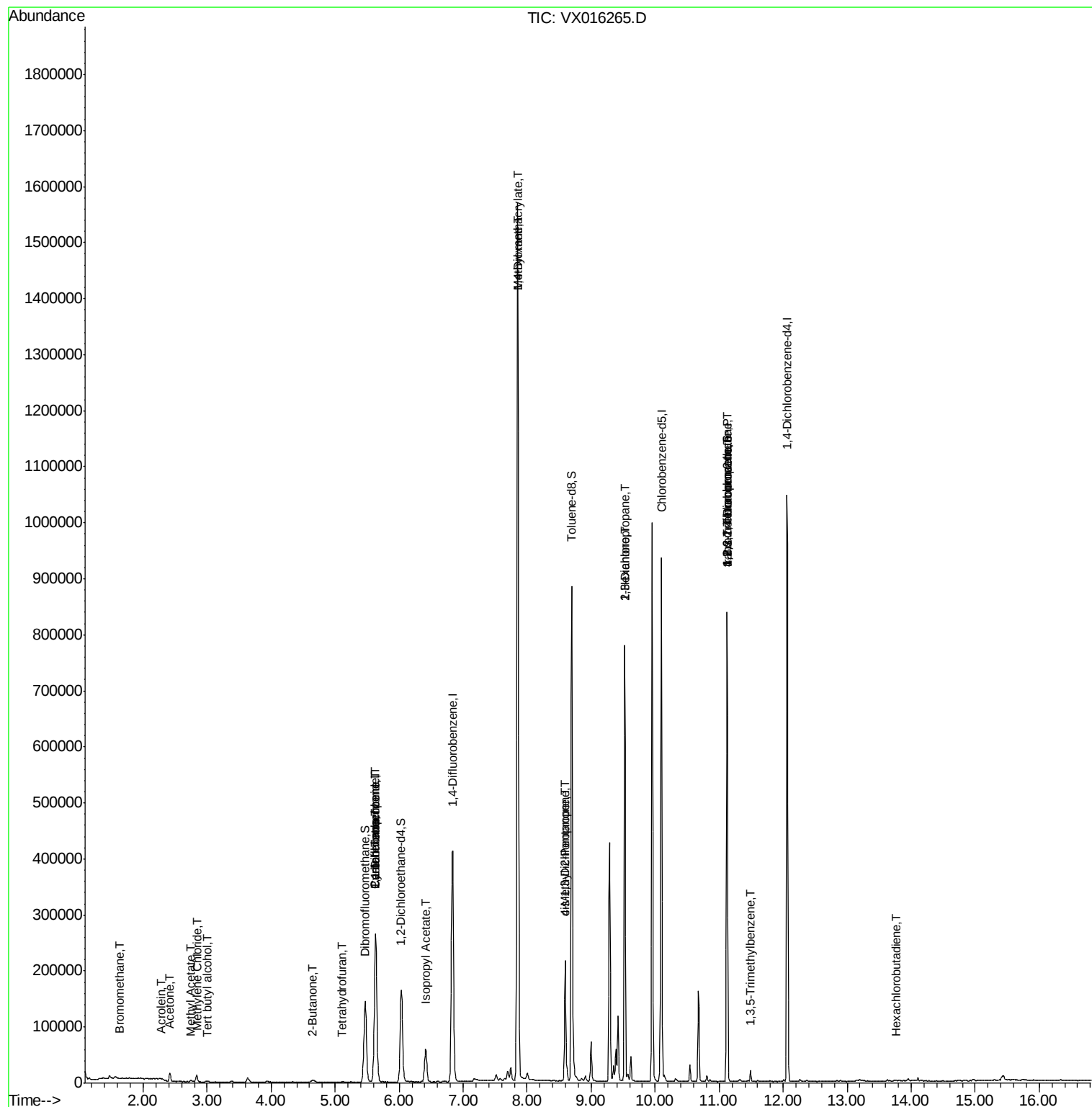
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	352	0.21	ug/l #	22
11) Tert butyl alcohol	3.00	59	842	0.98	ug/l #	79
13) Acrolein	2.27	56	923	1.71	ug/l #	37
16) Acetone	2.42	43	15254	10.04	ug/l	95
17) Carbon Disulfide	2.55	76	1111	Below Cal	#	80
18) Methyl Acetate	2.75	43	4014	1.07	ug/l	93
20) Methylene Chloride	2.84	84	5682	1.81	ug/l	95
25) 2-Butanone	4.64	43	2795	1.14	ug/l	98
29) Tetrahydrofuran	5.09	42	587	0.36	ug/l	97
31) Cyclohexane	5.64	56	5003	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19110	4.50	ug/l #	49
38) Carbon Tetrachloride	5.64	117	25100	5.82	ug/l #	13
43) Isopropyl Acetate	6.41	43	82839	10.56	ug/l	99
48) Methyl methacrylate	7.85	41	126188	33.95	ug/l #	40
49) 1,4-Dioxane	7.85	88	330	3.70	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	73731	15.36	ug/l #	52
54) cis-1,3-Dichloropropene	8.59	75	36797	6.80	ug/l #	57
57) 1,3-Dichloropropane	9.52	76	7127	1.34	ug/l #	44
59) 2-Hexanone	9.52	43	84480	22.41	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.12	83	110	2.09	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	105670	21.10	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	7982	0.59	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	105670	50.28	ug/l #	13
94) Hexachlorobutadiene	13.76	225	115	0.57	ug/l #	50

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

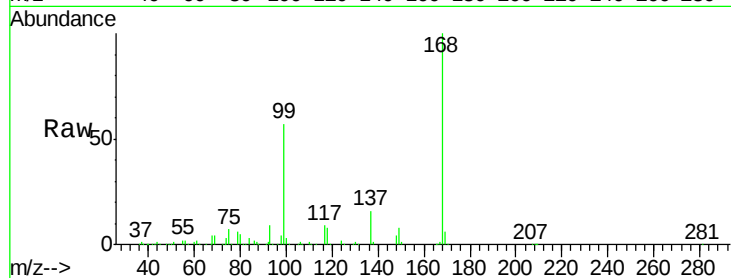
PB128867TB

Tgt Ion: 168 Resp: 258773

Ion Ratio Lower Upper

168 100

99 57.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

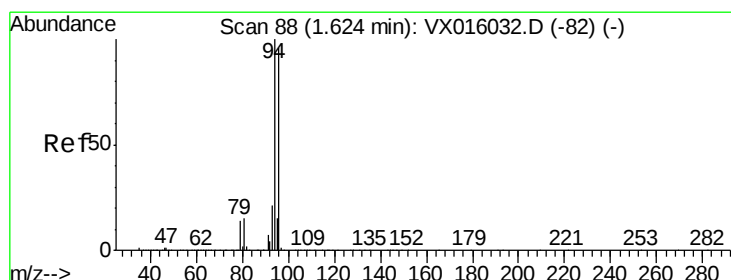
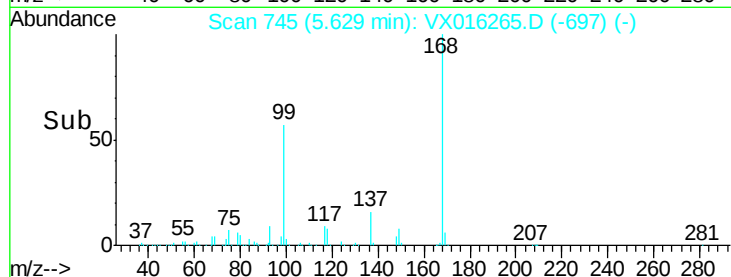
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.21 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016265.D

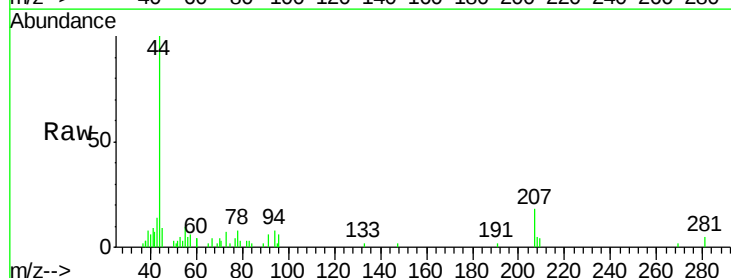
Acq: 15 May 2020 05:14

Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 19.5 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

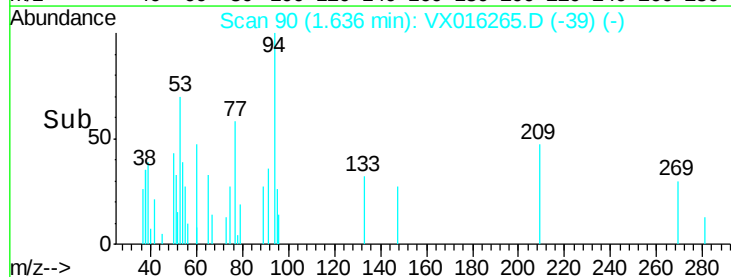
150

100

50

0

Time-->

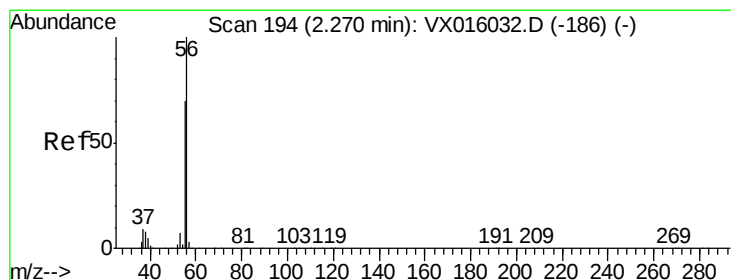
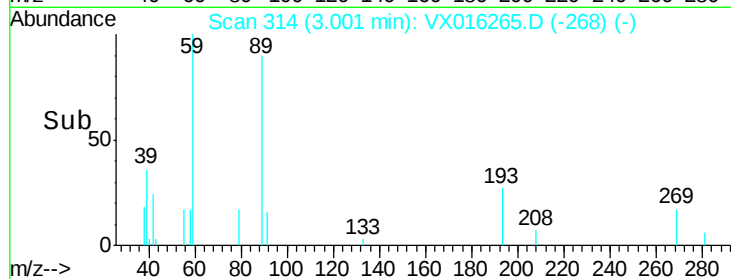
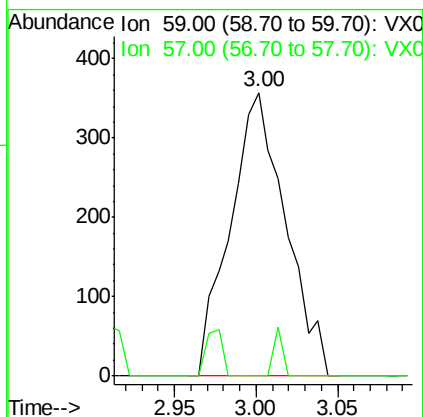
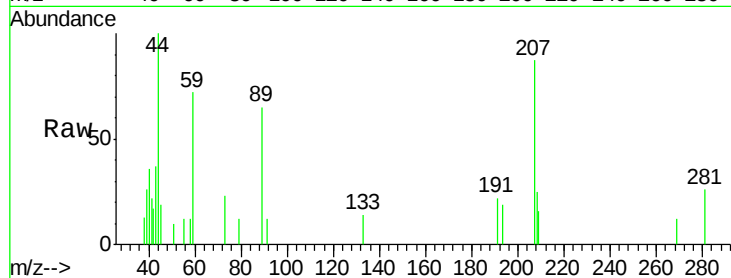




#11
Tert butyl alcohol
Concen: 0.98 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

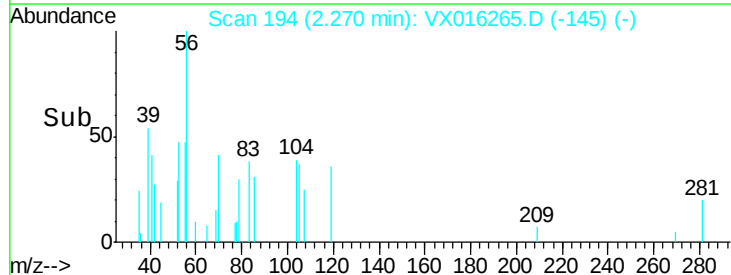
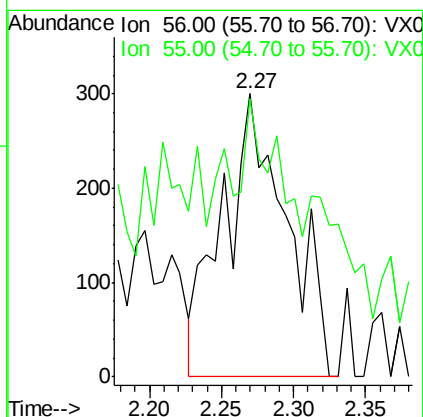
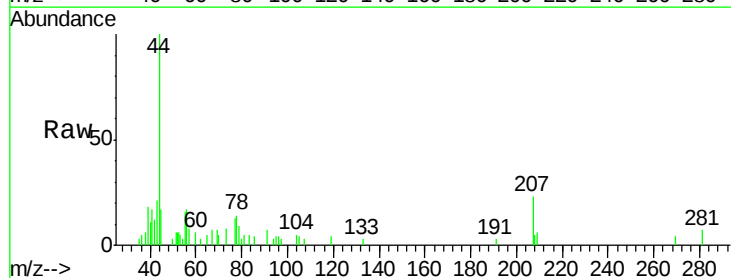
Instrument :
MSVOA_X
ClientSampleId :
PB128867TB

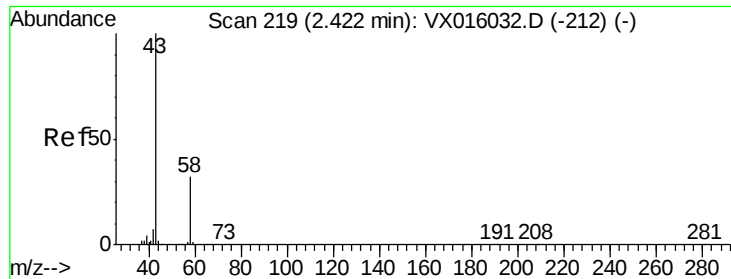
Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.4#



#13
Acrolein
Concen: 1.71 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

Tgt Ion: 56 Resp: 923
Ion Ratio Lower Upper
56 100
55 19.1 56.5 84.7#





#16

Acetone

Concen: 10.04 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

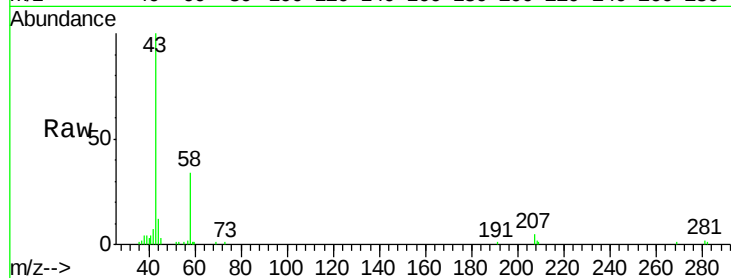
PB128867TB

Tgt Ion: 43 Resp: 15254

Ion Ratio Lower Upper

43 100

58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

10000

8000

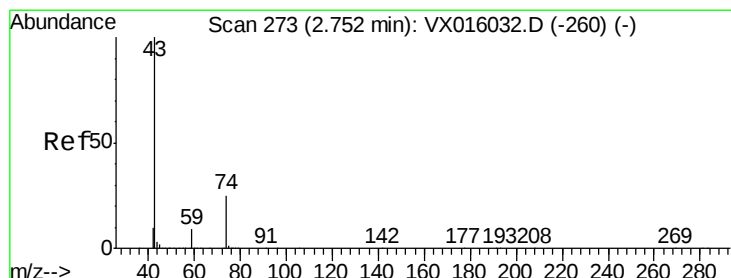
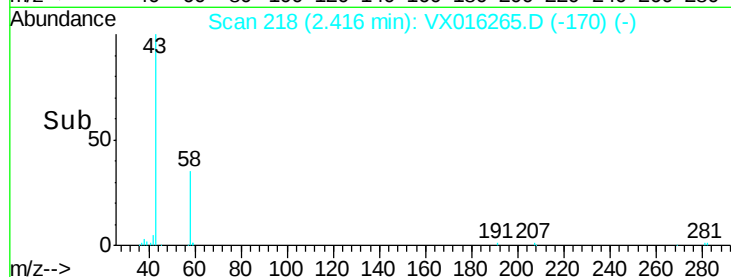
6000

4000

2000

0

Time--> 2.30 2.40 2.50



#18

Methyl Acetate

Concen: 1.07 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016265.D

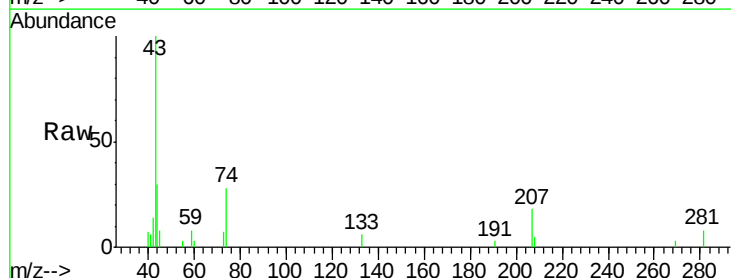
Acq: 15 May 2020 05:14

Tgt Ion: 43 Resp: 4014

Ion Ratio Lower Upper

43 100

74 28.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

2500

2000

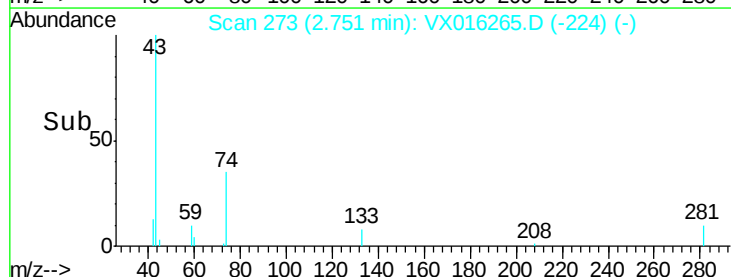
1500

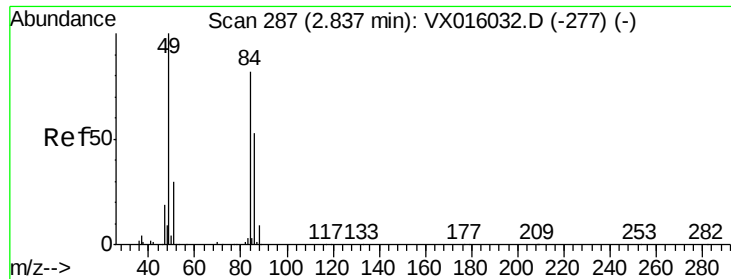
1000

500

0

Time--> 2.70 2.75 2.80 2.85

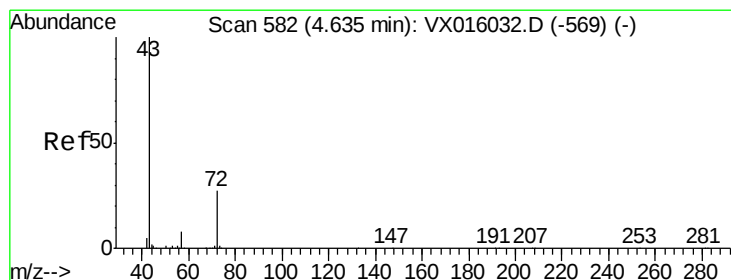
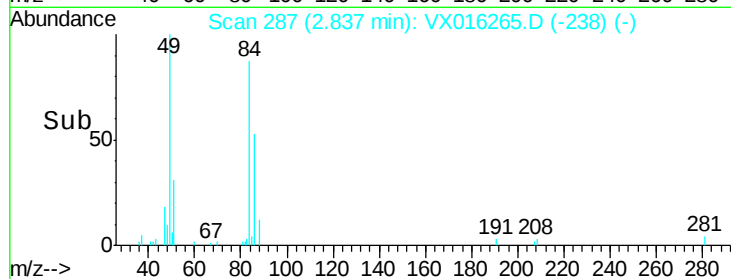
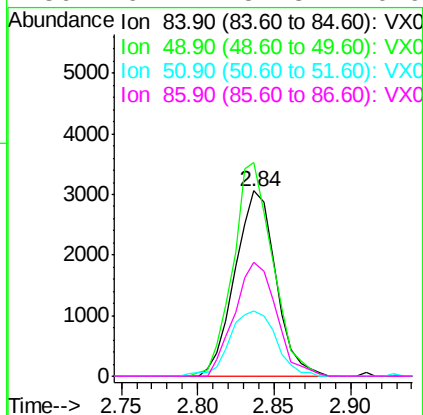
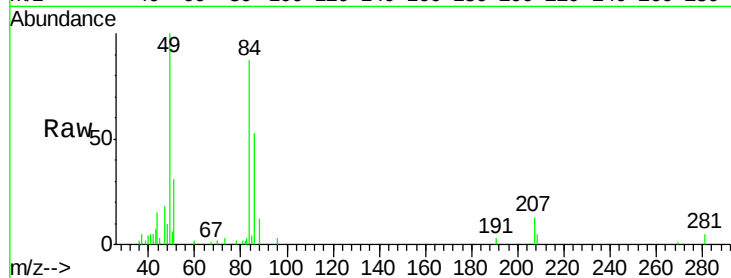




#20
Methylene Chloride
Concen: 1.81 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

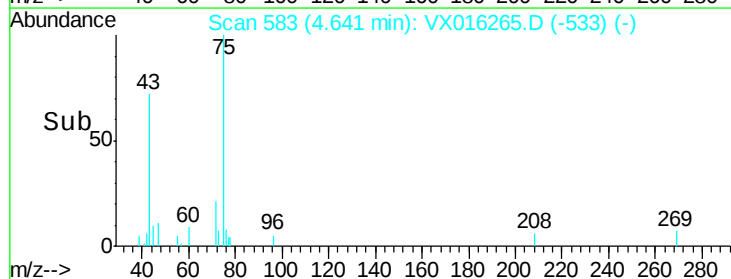
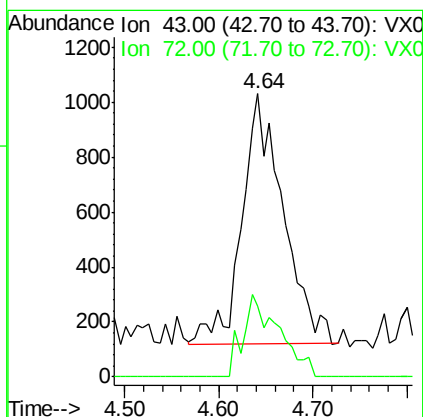
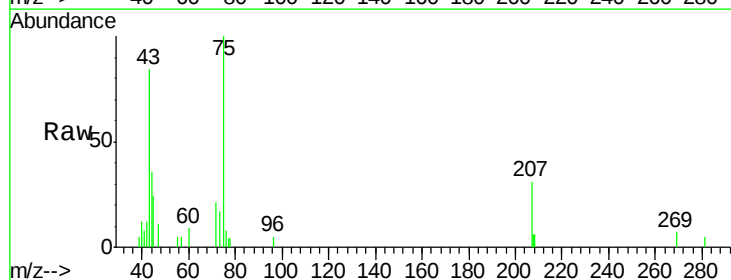
Instrument :
MSVOA_X
ClientSampleId :
PB128867TB

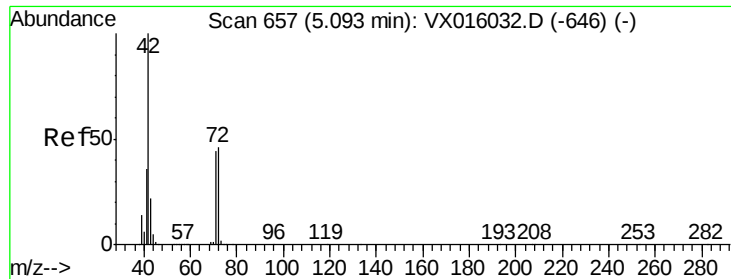
Tgt Ion:	84	Resp:	5682
Ion	Ratio	Lower	Upper
84	100		
49	115.3	97.3	145.9
51	35.3	29.3	43.9
86	61.2	51.3	76.9



#25
2-Butanone
Concen: 1.14 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

Tgt Ion:	43	Resp:	2795
Ion	Ratio	Lower	Upper
43	100		
72	28.5	21.8	32.8





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB128867TB

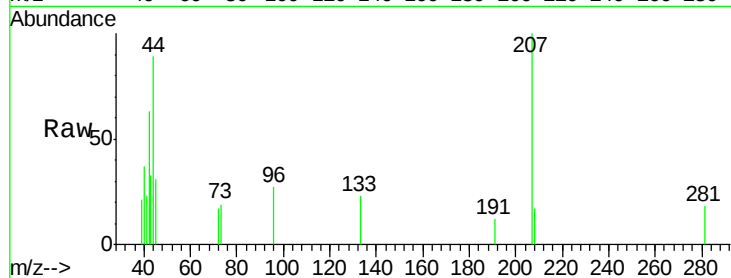
Tgt Ion: 42 Resp: 587

Ion Ratio Lower Upper

42 100

72 45.7 37.1 55.7

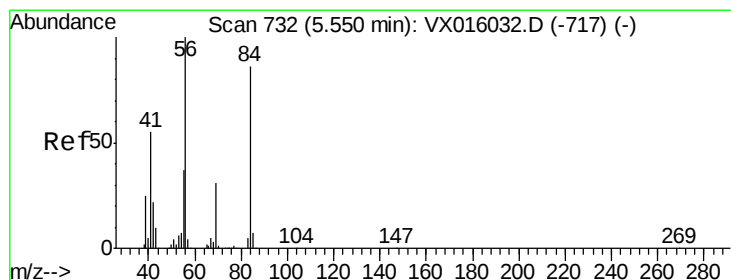
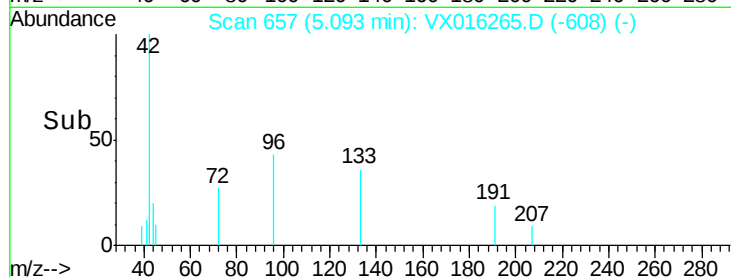
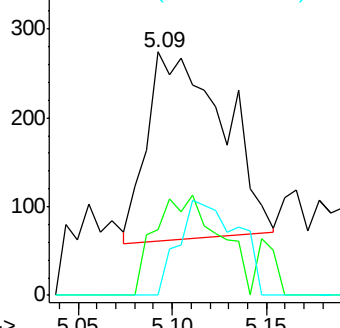
71 39.7 34.5 51.7



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: 1.06 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

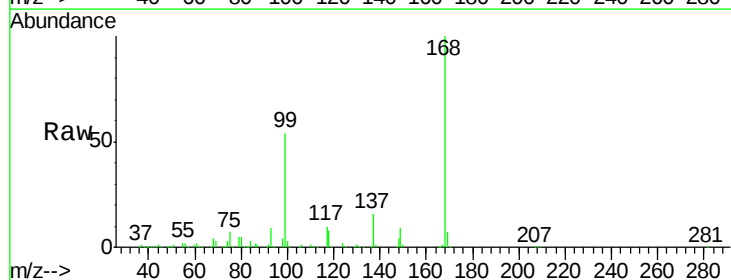
Tgt Ion: 56 Resp: 5003

Ion Ratio Lower Upper

56 100

69 180.9 25.0 37.6#

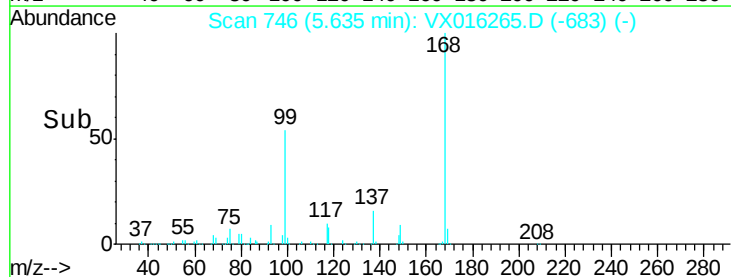
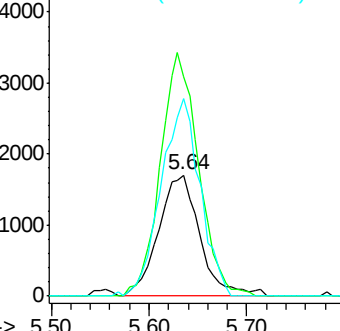
84 162.9 69.0 103.6#

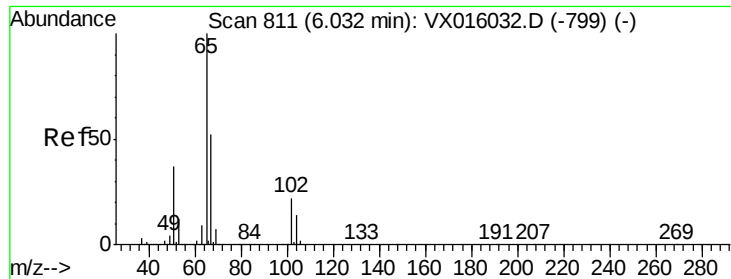


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.74 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

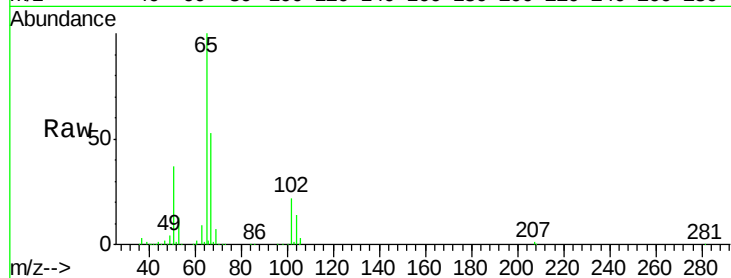
PB128867TB

Tgt Ion: 65 Resp: 155750

Ion Ratio Lower Upper

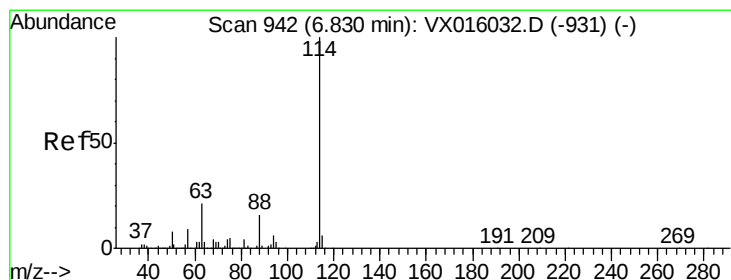
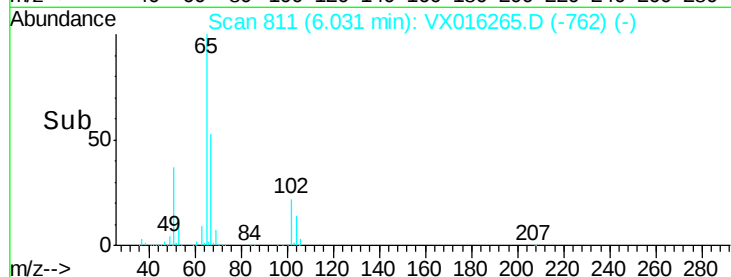
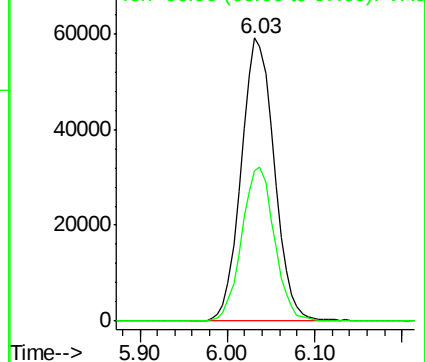
65 100

67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

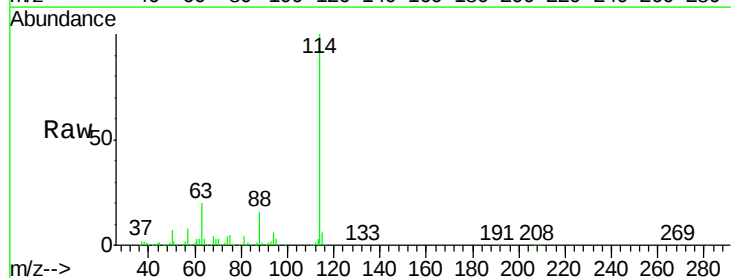
Tgt Ion: 114 Resp: 430942

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

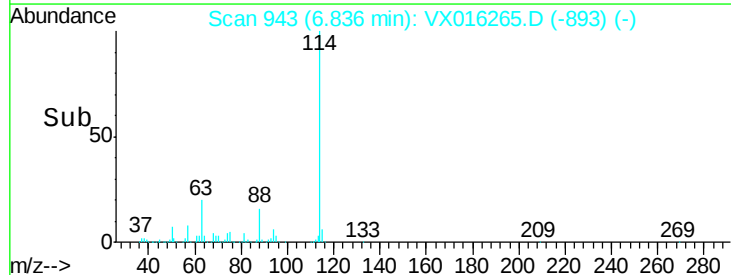
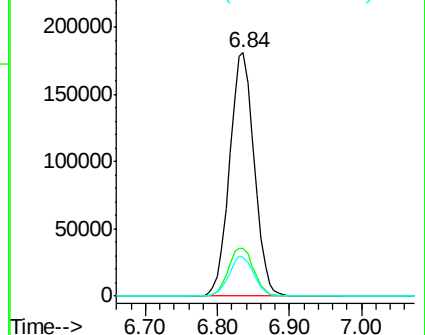
88 16.1 0.0 31.4

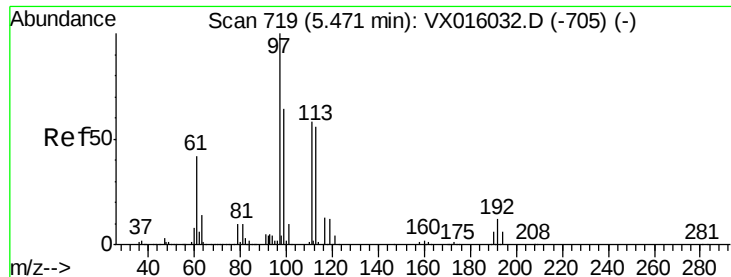


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.36 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

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PB128867TB

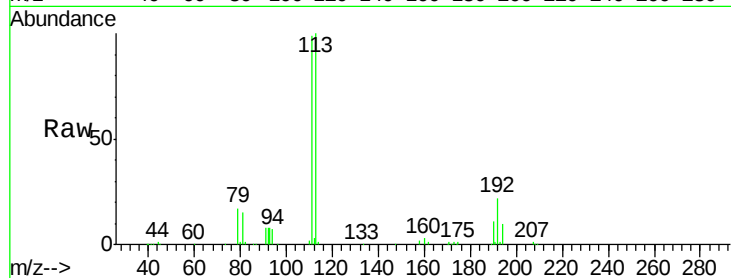
Tgt Ion:113 Resp: 126561

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

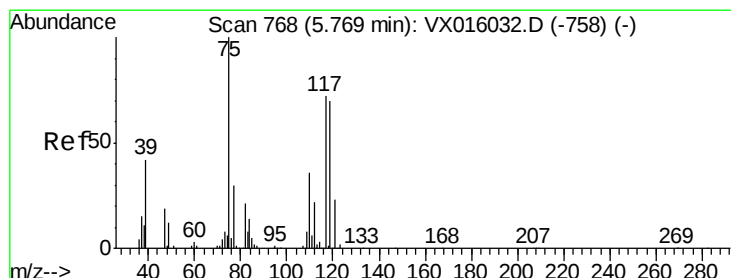
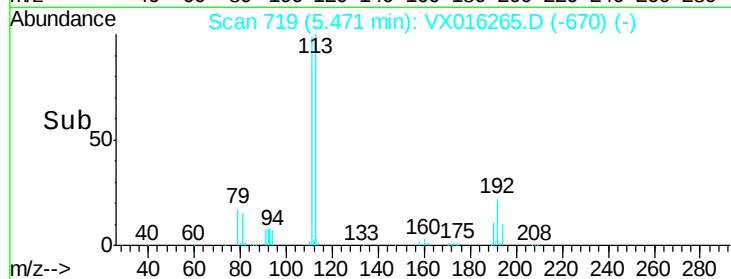
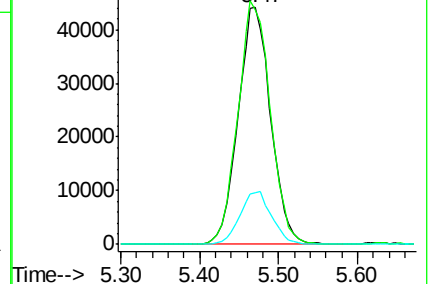
192 21.7 17.0 25.4



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: 4.50 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

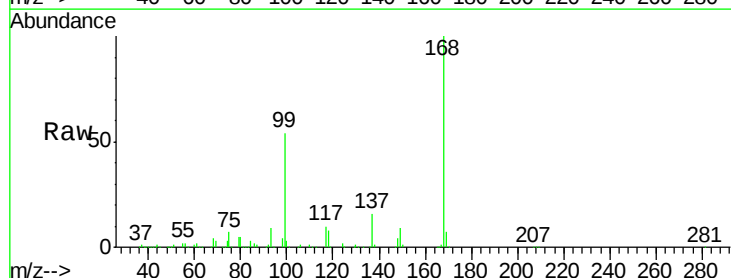
Tgt Ion: 75 Resp: 19110

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

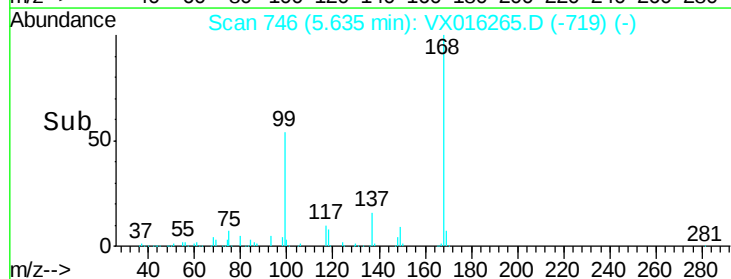
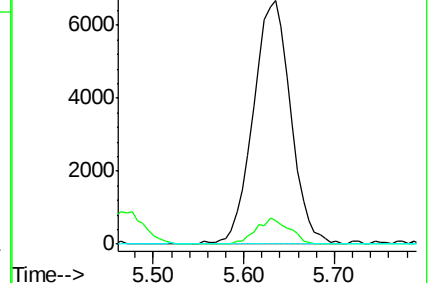
77 0.0 25.0 37.6#

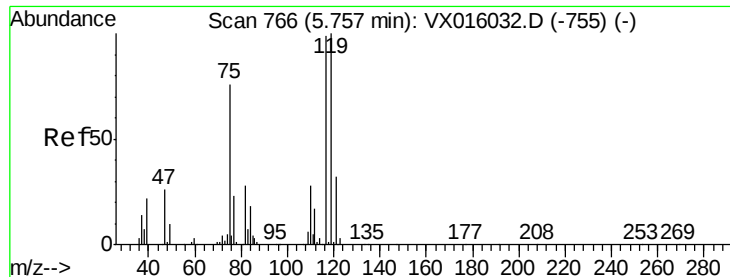


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB128867TB

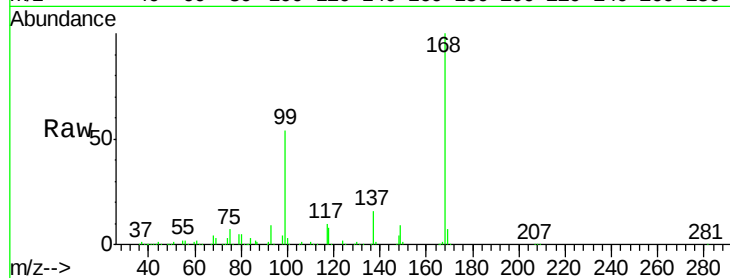
Tgt Ion: 117 Resp: 25100

Ion Ratio Lower Upper

117 100

119 3.6 80.3 120.5#

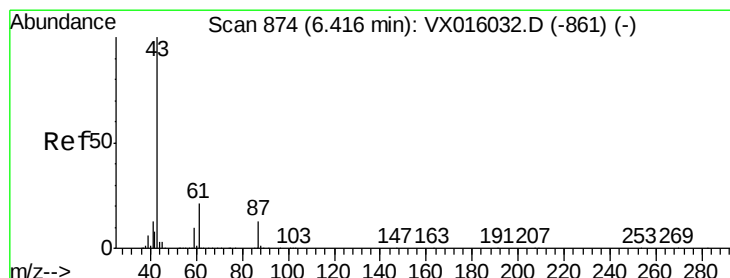
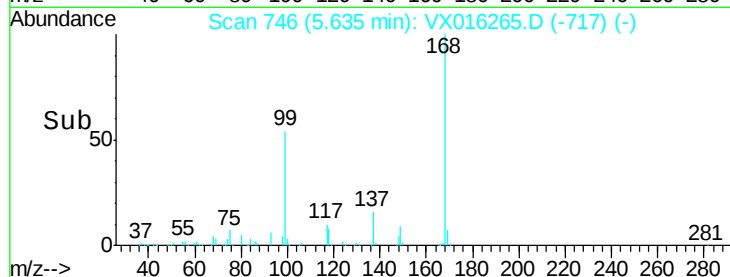
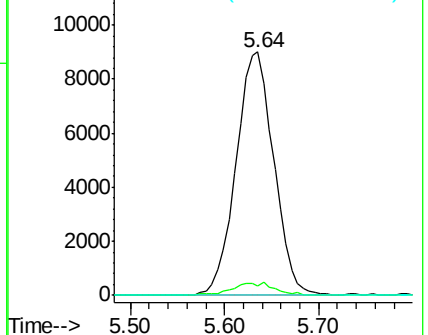
121 0.0 25.7 38.5#



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: 10.56 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

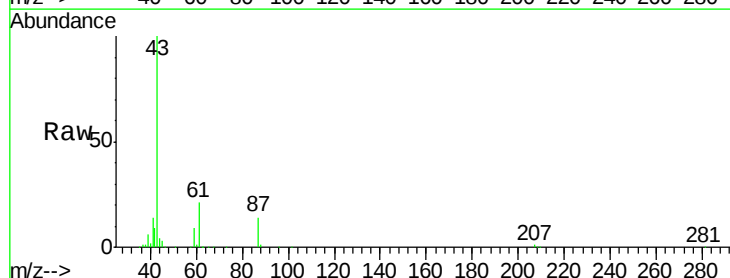
Tgt Ion: 43 Resp: 82839

Ion Ratio Lower Upper

43 100

61 21.6 17.0 25.4

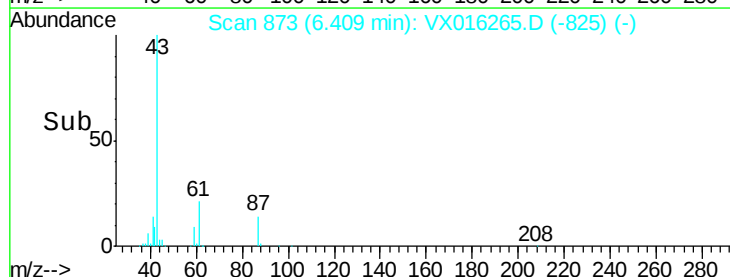
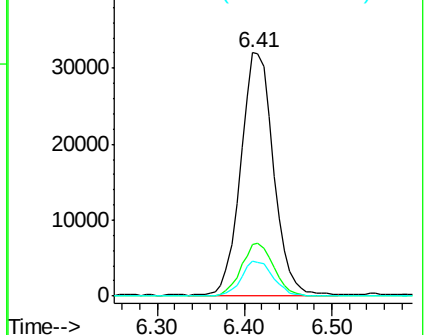
87 14.1 11.0 16.6

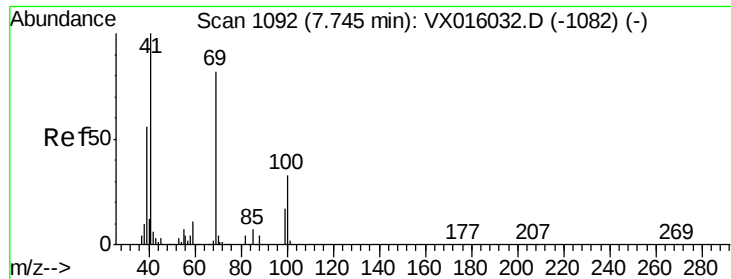


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

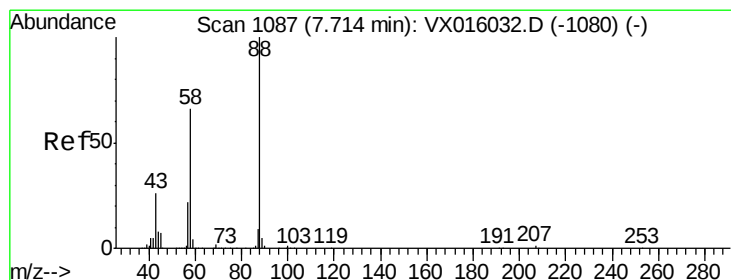
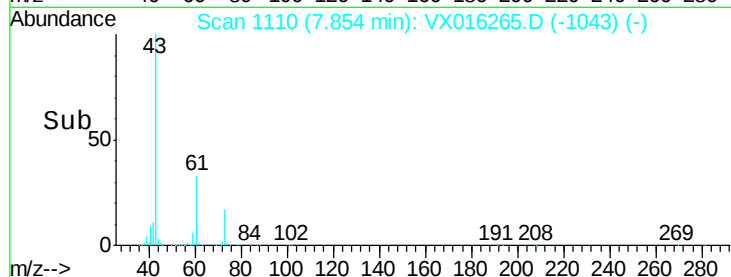
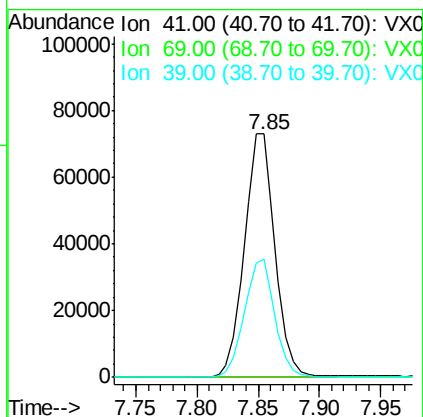
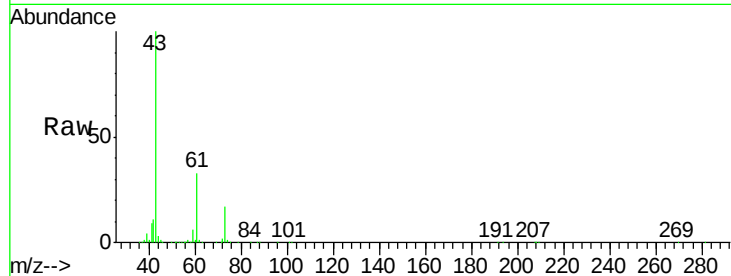




#48
Methyl methacrylate
Concen: 33.95 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.11 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

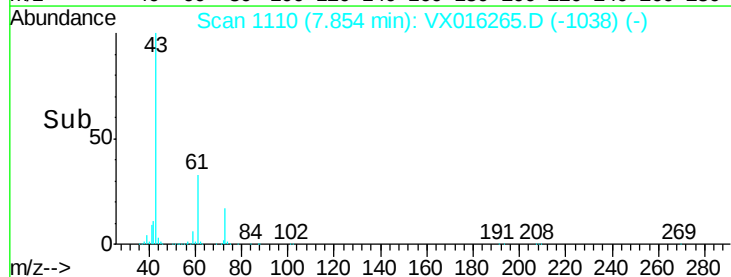
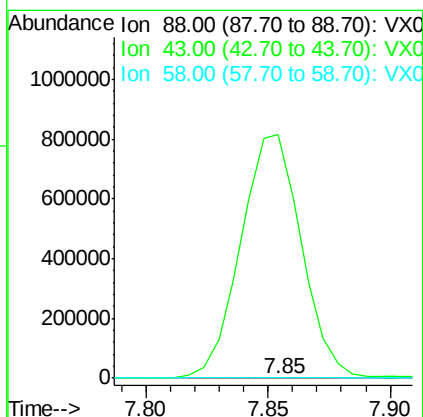
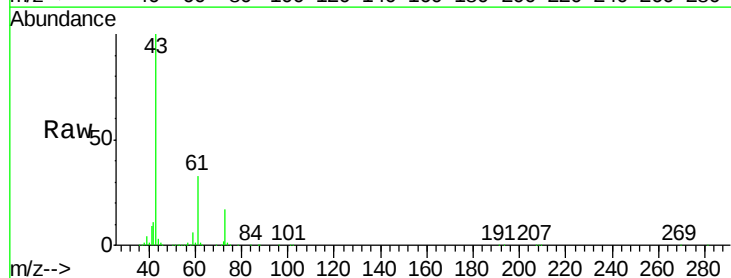
Instrument :
MSVOA_X
ClientSampleId :
PB128867TB

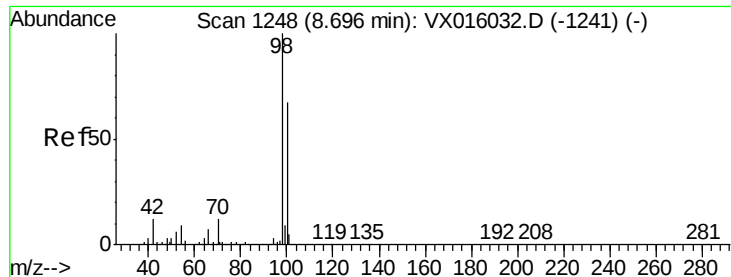
Tgt Ion: 41 Resp: 126188
Ion Ratio Lower Upper
41 100
69 0.2 67.8 101.6#
39 48.3 44.6 67.0



#49
1,4-Dioxane
Concen: 3.70 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.14 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

Tgt Ion: 88 Resp: 330
Ion Ratio Lower Upper
88 100
43 427576.1 25.3 37.9#
58 1791.5 55.9 83.9#





#50

Toluene-d8

Concen: 50.92 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

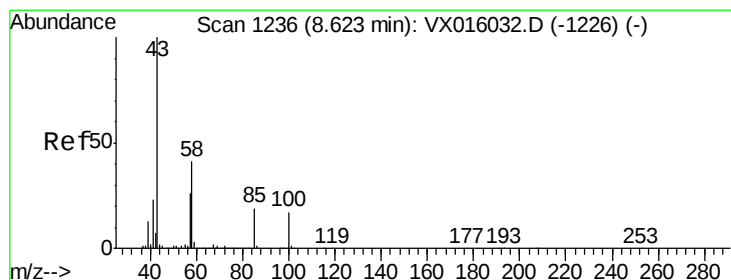
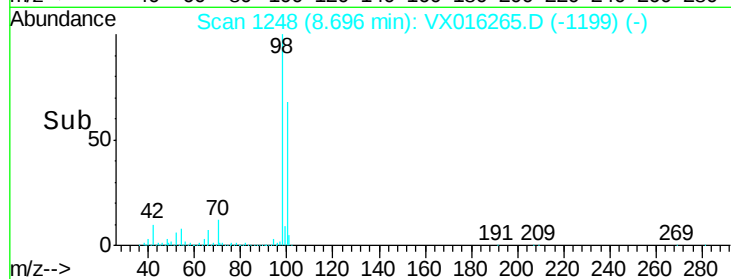
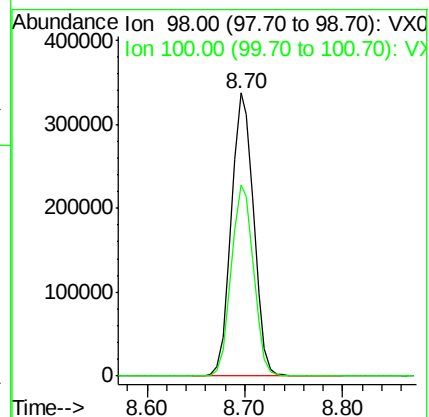
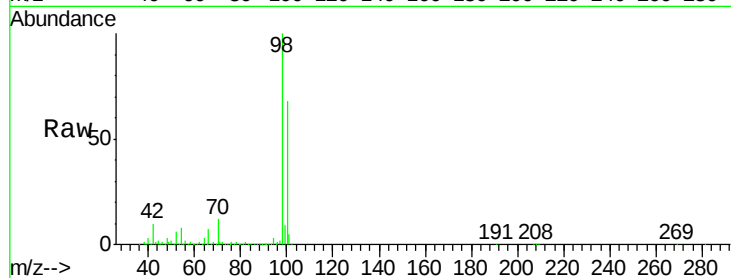
PB128867TB

Tgt Ion: 98 Resp: 535697

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 15.36 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016265.D

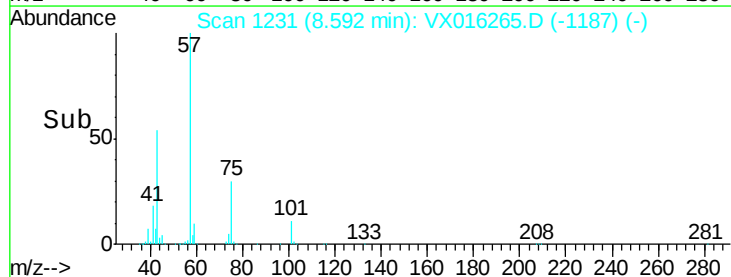
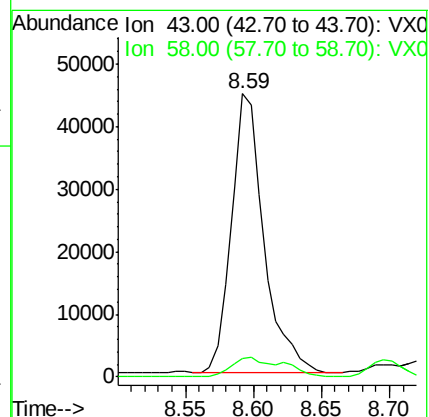
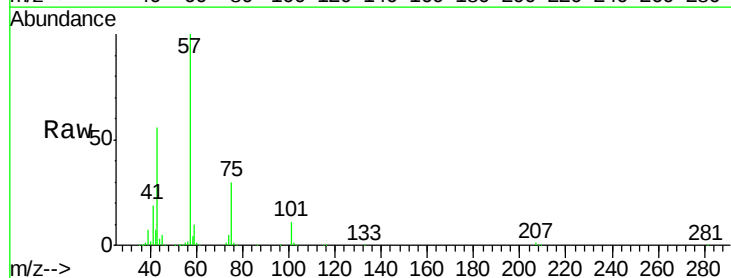
Acq: 15 May 2020 05:14

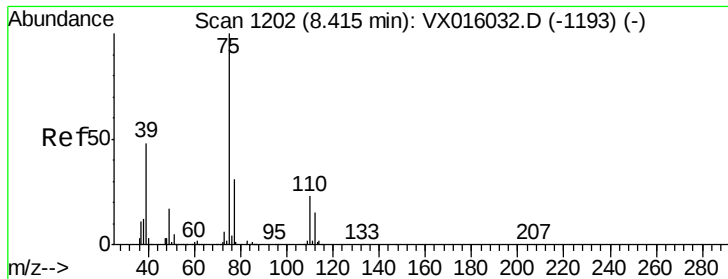
Tgt Ion: 43 Resp: 73731

Ion Ratio Lower Upper

43 100

58 11.1 33.0 49.4#





#54

cis-1,3-Dichloropropene

Concen: 6.80 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB128867TB

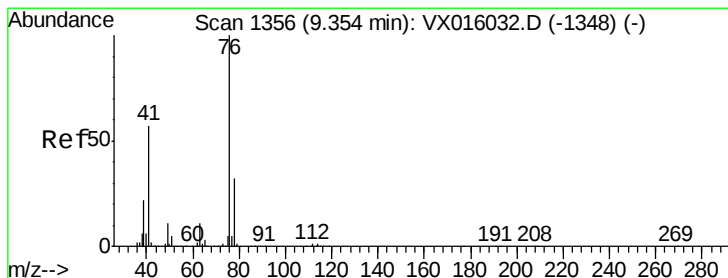
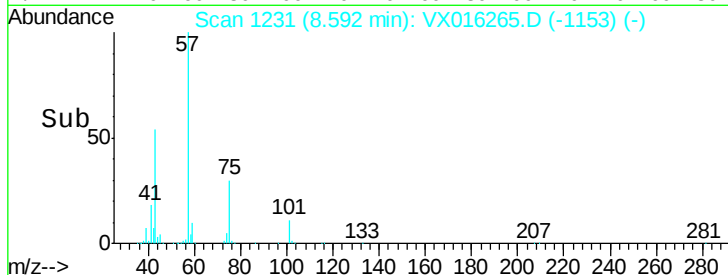
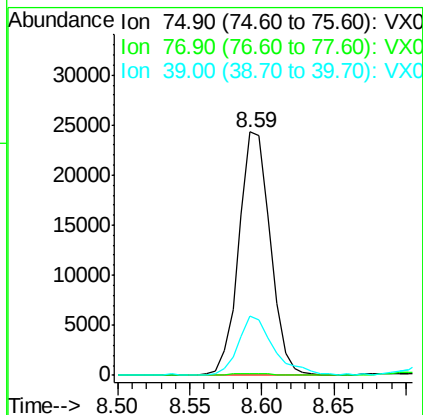
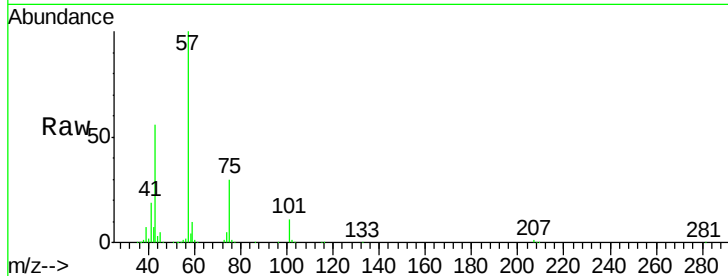
Tgt Ion: 75 Resp: 36797

Ion Ratio Lower Upper

75 100

77 0.6 24.7 37.1#

39 24.3 38.7 58.1#



#57

1,3-Dichloropropene

Concen: 1.34 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016265.D

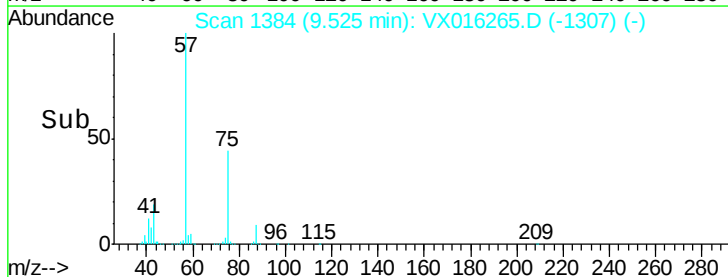
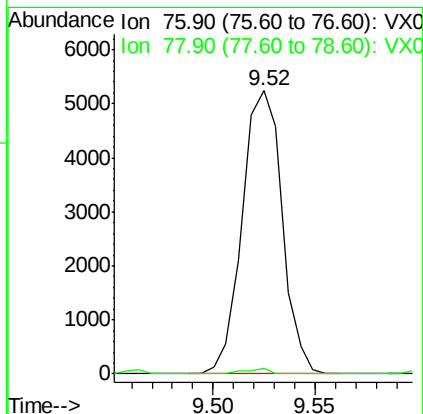
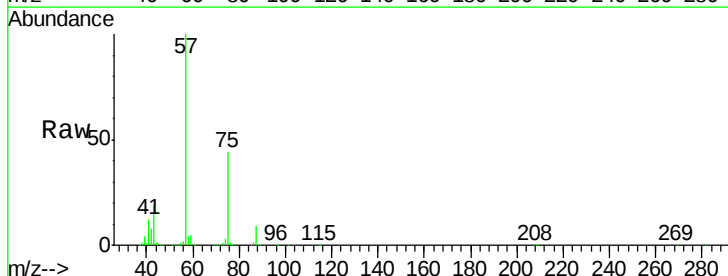
Acq: 15 May 2020 05:14

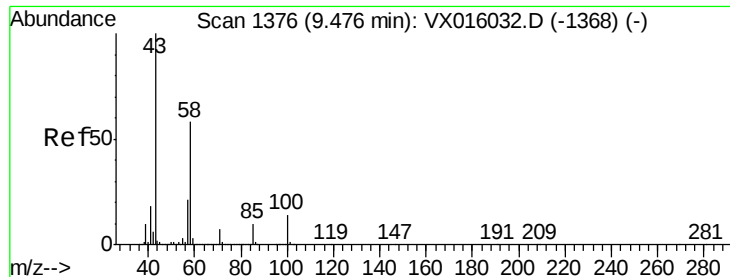
Tgt Ion: 76 Resp: 7127

Ion Ratio Lower Upper

76 100

78 1.2 25.9 38.9#

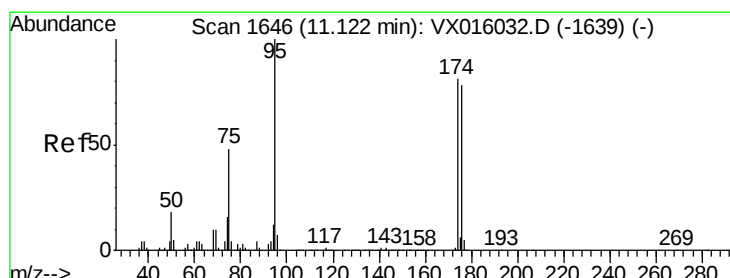
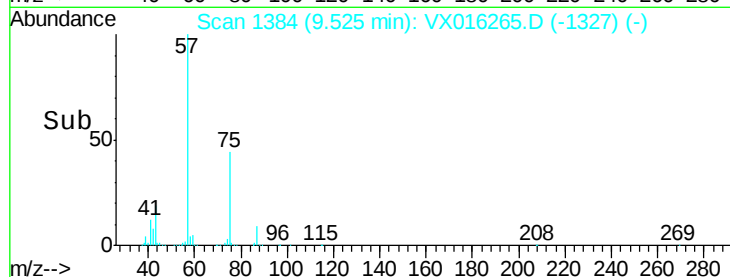
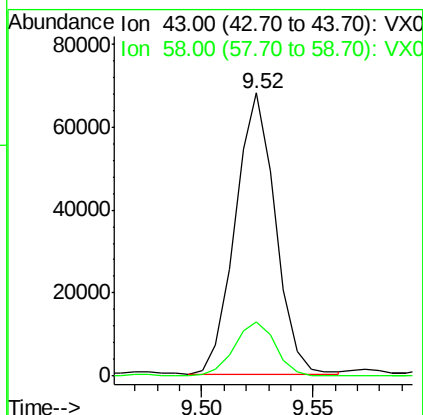
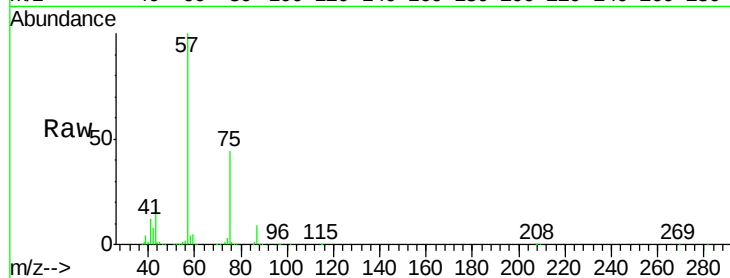




#59
2-Hexanone
Concen: 22.41 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

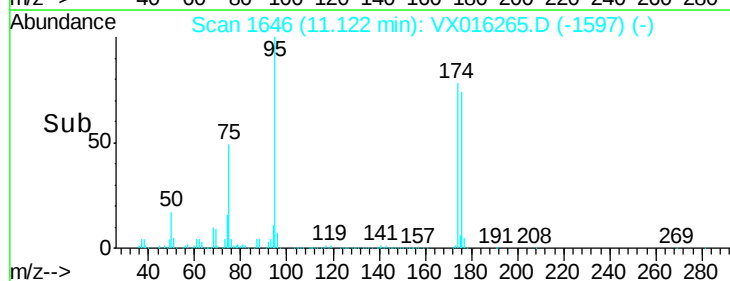
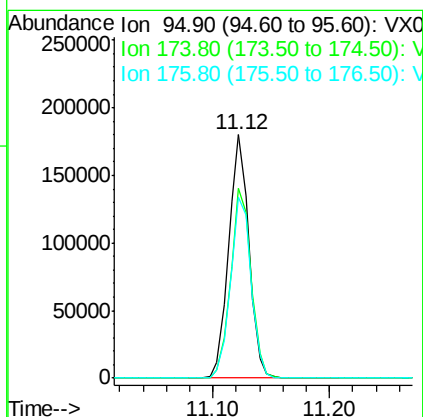
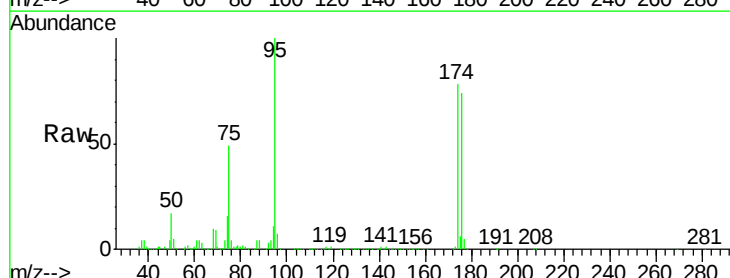
Instrument :
MSVOA_X
ClientSampleId :
PB128867TB

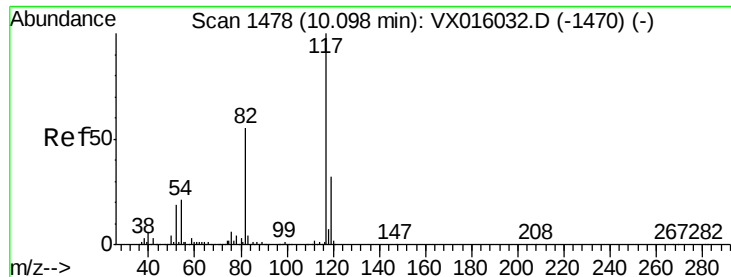
Tgt Ion: 43 Resp: 84480
Ion Ratio Lower Upper
43 100
58 20.1 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 54.02 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

Tgt Ion: 95 Resp: 216133
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.4
176 76.5 0.0 157.6

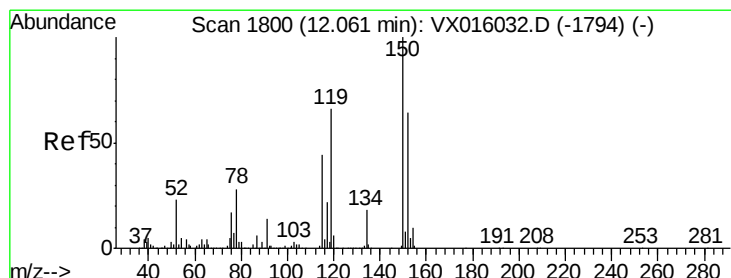
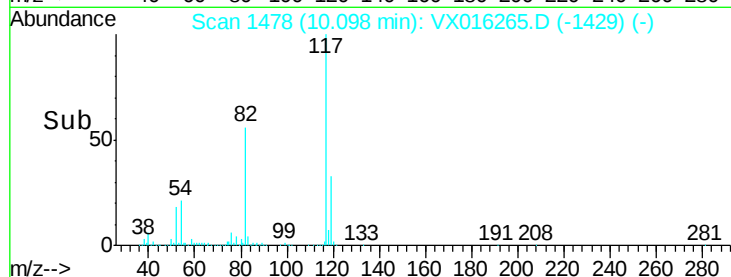
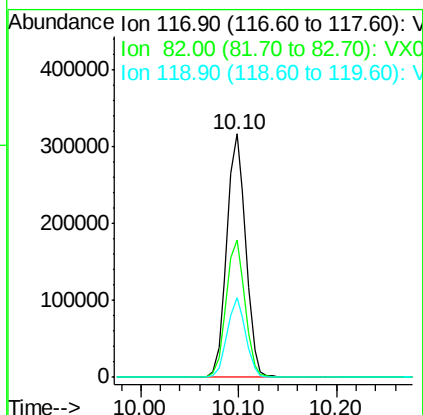
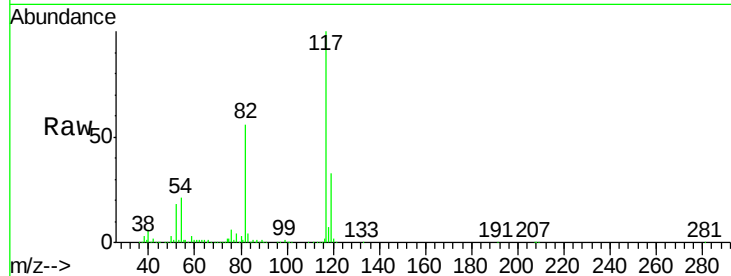




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

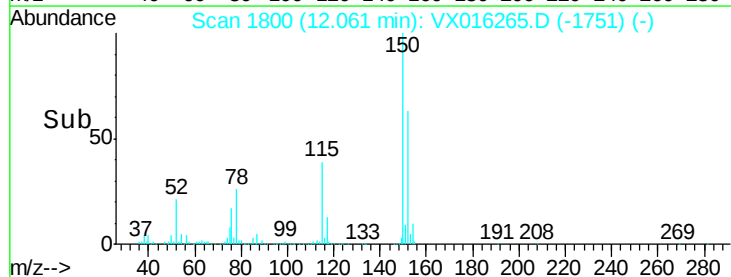
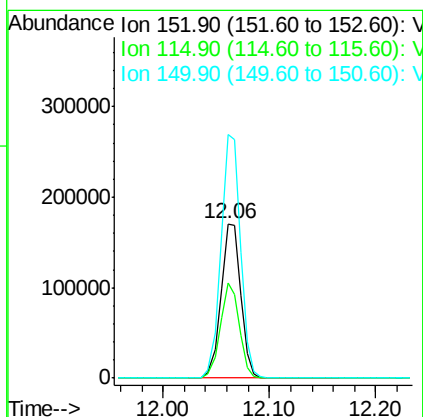
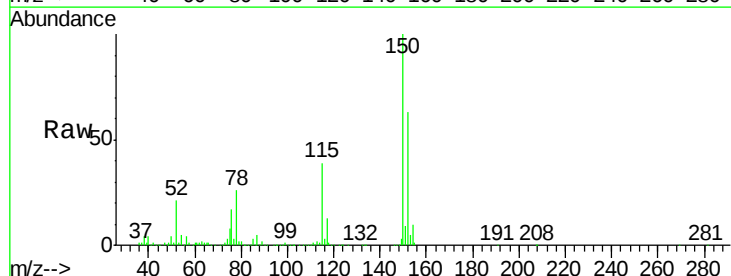
Instrument :
MSVOA_X
ClientSampleId :
PB128867TB

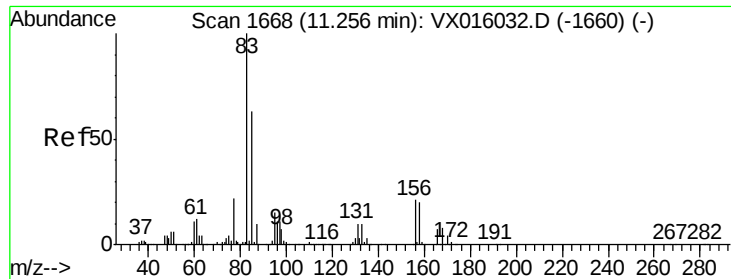
Tgt Ion:117 Resp: 426184
Ion Ratio Lower Upper
117 100
82 56.2 44.4 66.6
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016265.D
Acq: 15 May 2020 05:14

Tgt Ion:152 Resp: 220713
Ion Ratio Lower Upper
152 100
115 58.6 41.3 124.1
150 156.5 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.09 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB128867TB

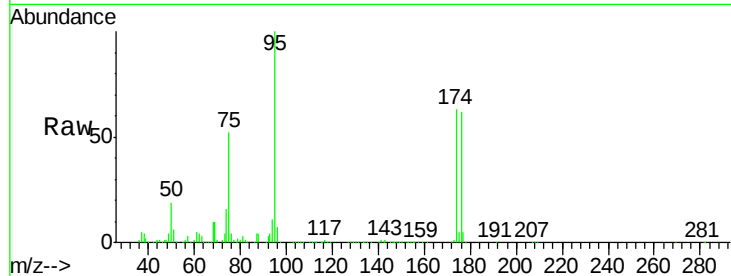
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 277.3 5.1 15.4#

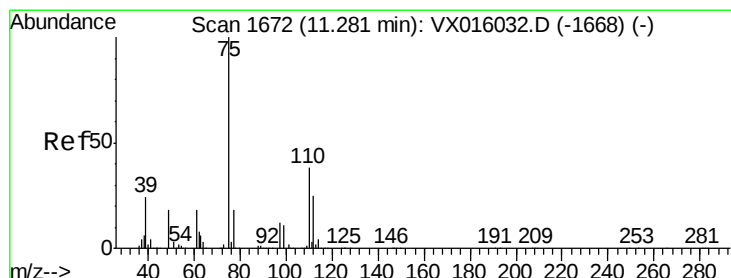
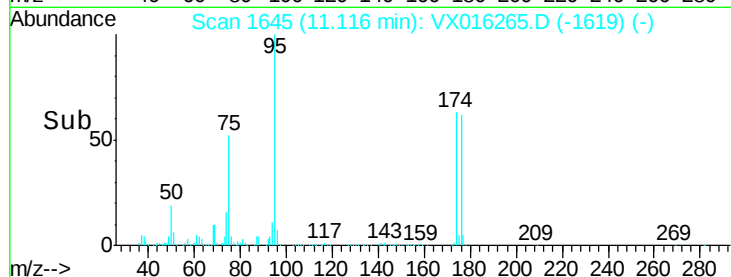
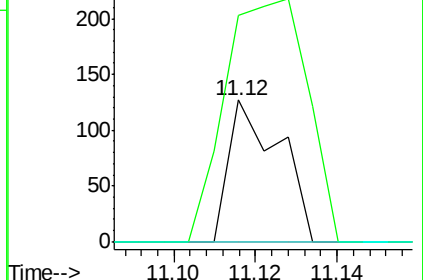
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.10 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016265.D

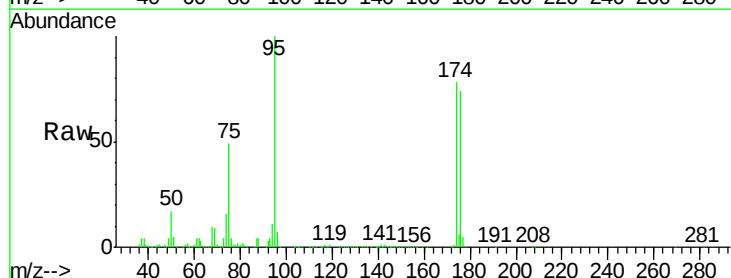
Acq: 15 May 2020 05:14

Tgt Ion: 75 Resp: 105670

Ion Ratio Lower Upper

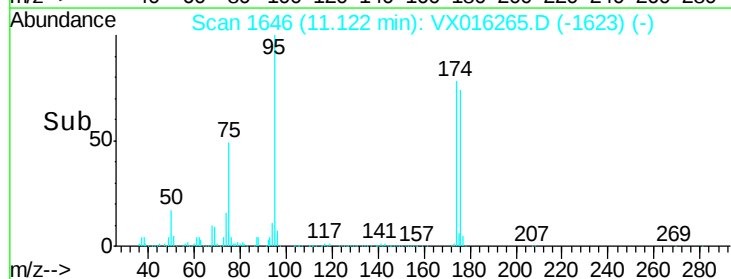
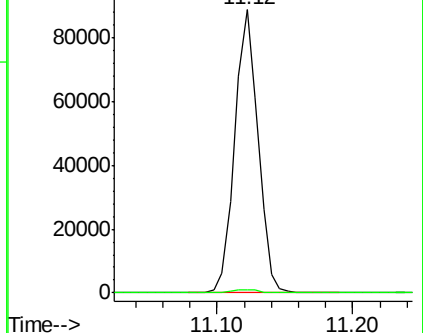
75 100

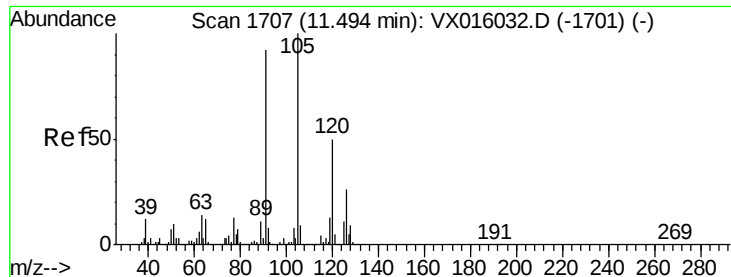
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.59 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

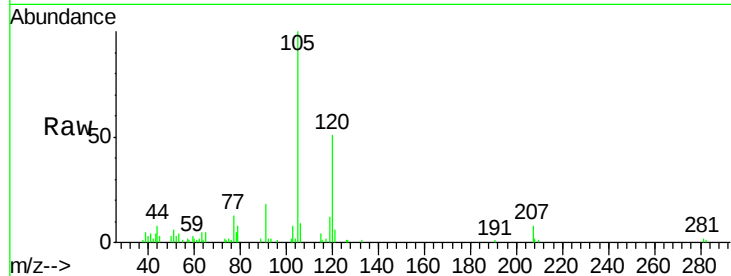
PB128867TB

Tgt Ion: 105 Resp: 7982

Ion Ratio Lower Upper

105 100

120 50.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

6000

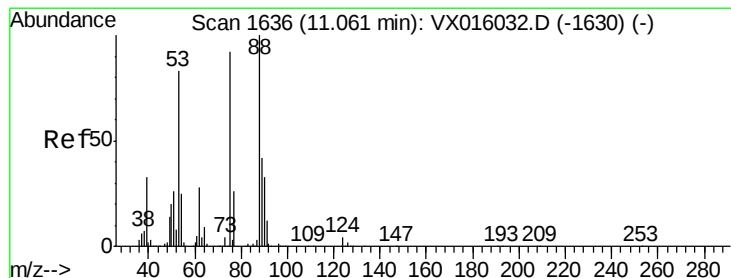
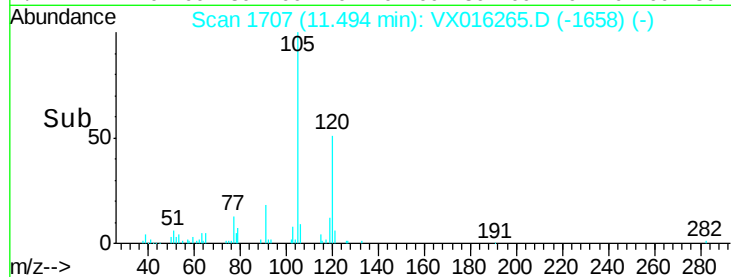
4000

2000

0

11.45 11.50 11.55

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.28 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016265.D

Acq: 15 May 2020 05:14

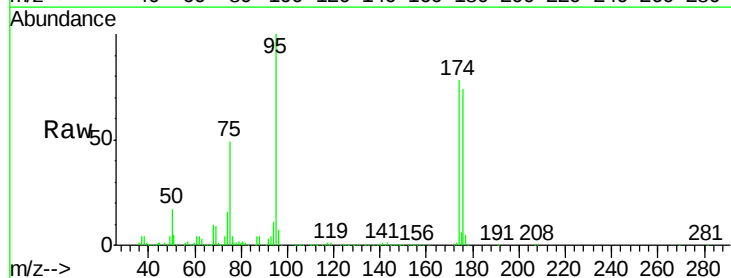
Tgt Ion: 75 Resp: 105670

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



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

120000

100000

80000

60000

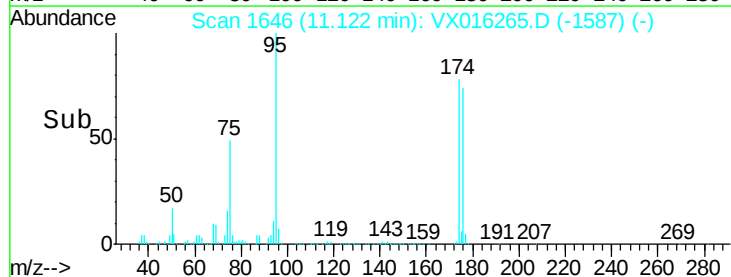
40000

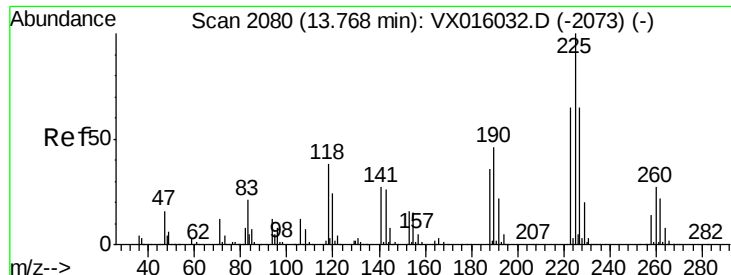
20000

0

11.10 11.20

Time-->

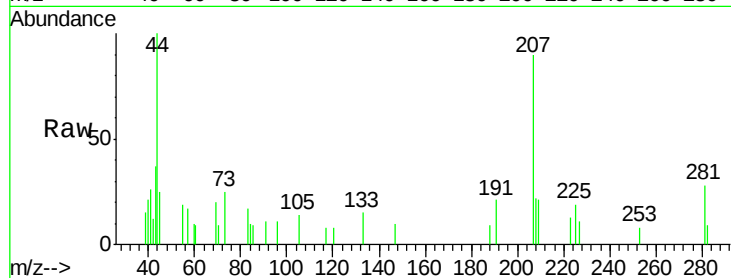




#94
 Hexachlorobutadiene
 Concen: 0.57 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016265.D
 Acq: 15 May 2020 05:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128867TB

Tgt Ion	Ratio	Lower	Upper
225	100		
223	27.0	32.3	96.9#
227	23.5	31.8	95.4#



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

