

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015485.D
 Acq On : 02 Apr 2020 16:29
 Operator : JC/SP
 Sample : PB127948ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#07

Quant Time: Apr 03 08:02:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1068031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1733162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1648018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	872462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	741001	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.47	113	554367	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.70	98	2096579	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.12	95	919375	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	

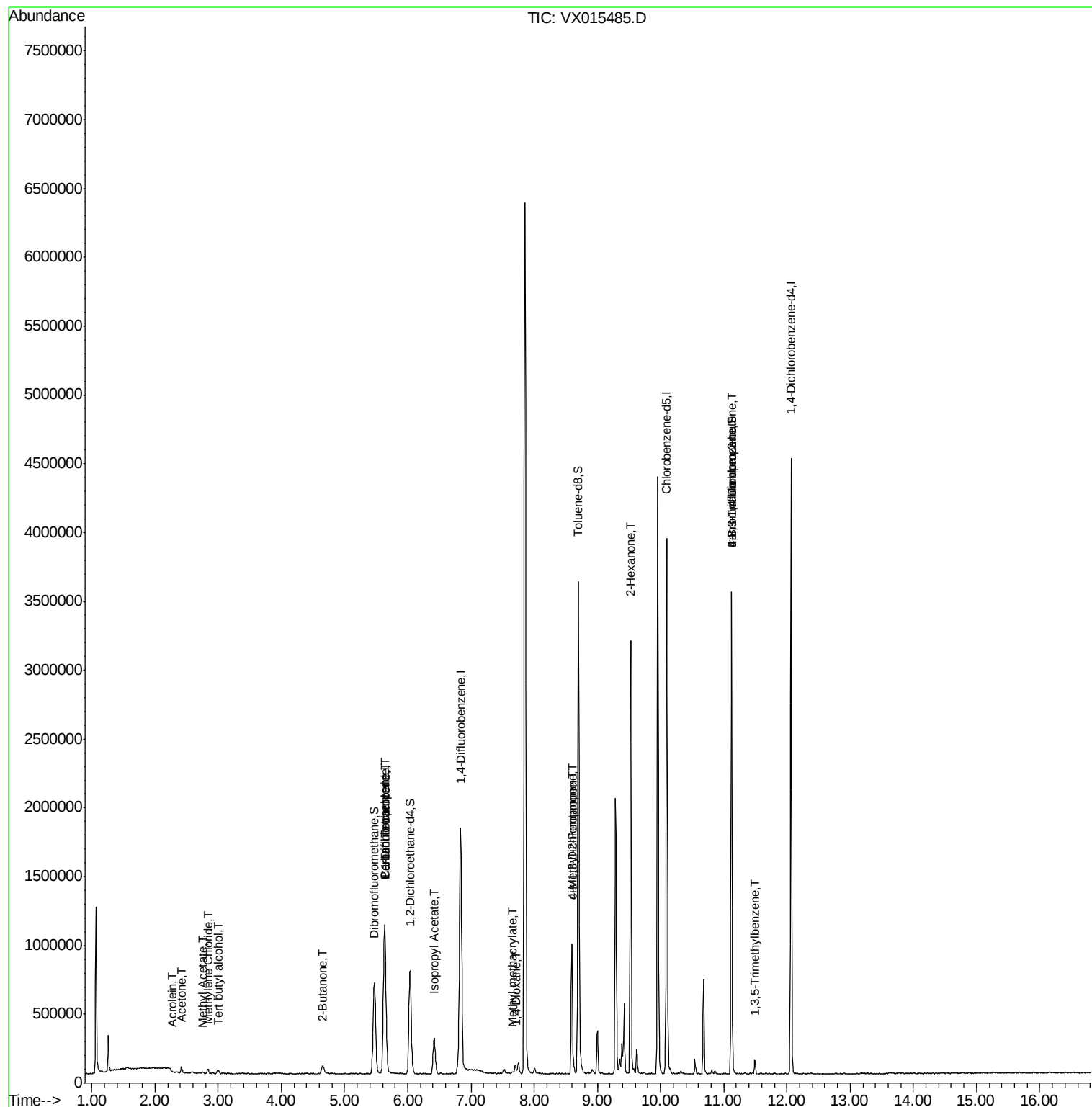
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	345	Below Cal		97
11) Tert butyl alcohol	3.00	59	17657	4.897	ug/l #	88
13) Acrolein	2.28	56	538	0.262	ug/l #	44
16) Acetone	2.42	43	49033	7.577	ug/l	98
18) Methyl Acetate	2.75	43	15071	0.912	ug/l	100
20) Methylene Chloride	2.84	84	15557	1.287	ug/l	92
25) 2-Butanone	4.65	43	10677	1.026	ug/l #	90
36) 1,1-Dichloropropene	5.63	75	81710	5.117	ug/l #	53
38) Carbon Tetrachloride	5.64	117	101880	5.890	ug/l #	14
43) Isopropyl Acetate	6.42	43	380305	10.835	ug/l	99
48) Methyl methacrylate	7.65	41	20441	1.166	ug/l #	18
49) 1,4-Dioxane	7.72	88	247	0.755	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	368835	18.542	ug/l #	51
54) cis-1,3-Dichloropropene	8.60	75	144845	6.778	ug/l #	55
59) 2-Hexanone	9.53	43	395146	26.311	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	471404	26.275	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	44862	0.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	471404	63.045	ug/l #	10

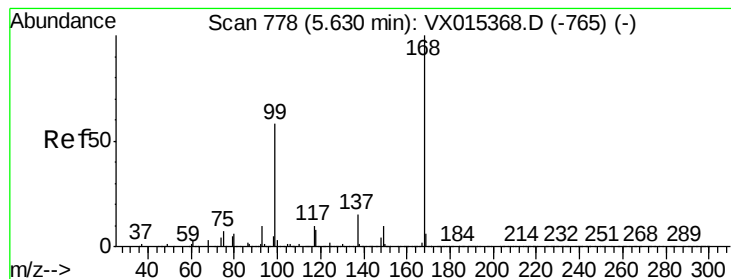
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

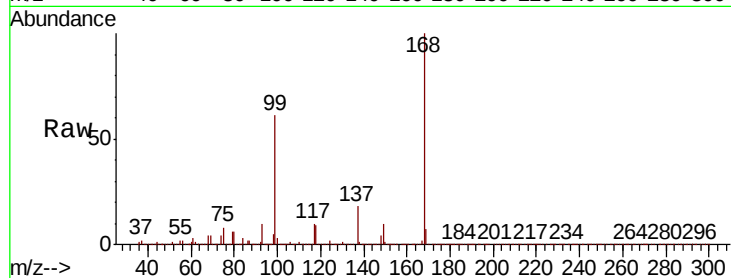
PB127948ZHE#07

Tot Ion:168 Resp: 1068031

Ion Ratio Lower Upper

168 100

99 61.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

200000

100000

0

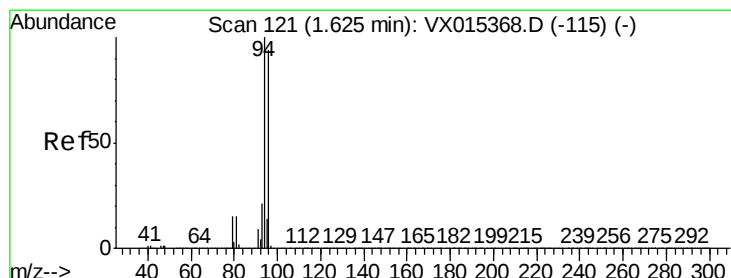
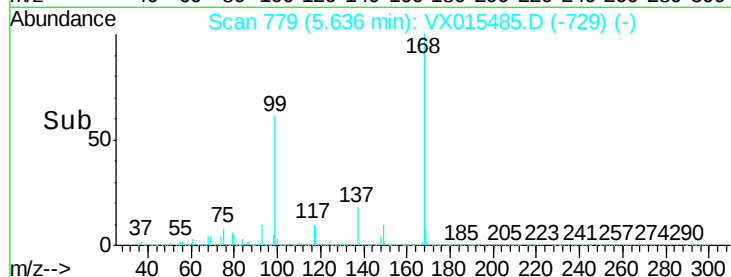
5.50

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015485.D

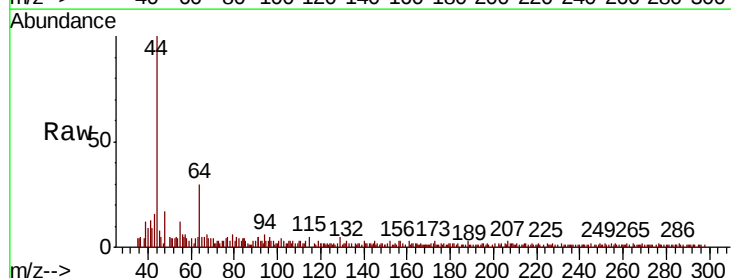
Acq: 02 Apr 2020 16:29

Tgt Ion: 94 Resp: 345

Ion Ratio Lower Upper

94 100

96 90.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

400

200

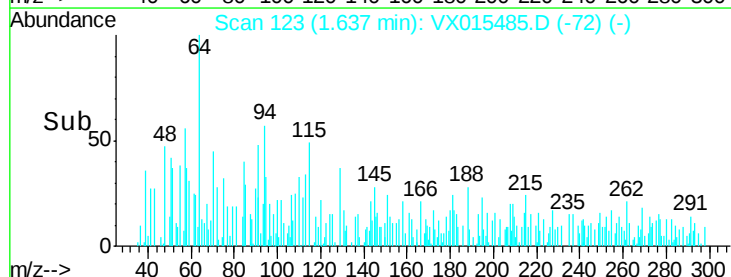
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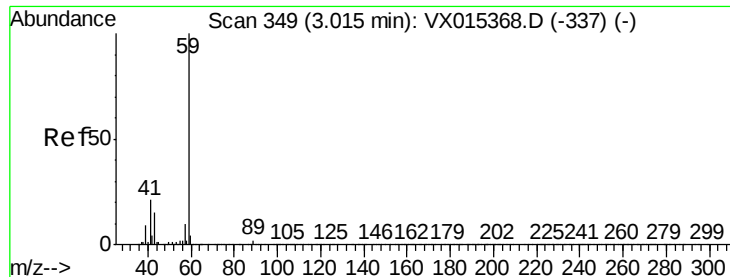
1.62

1.64

1.66

Time-->



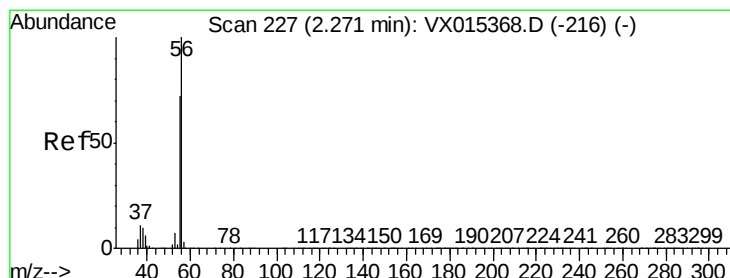
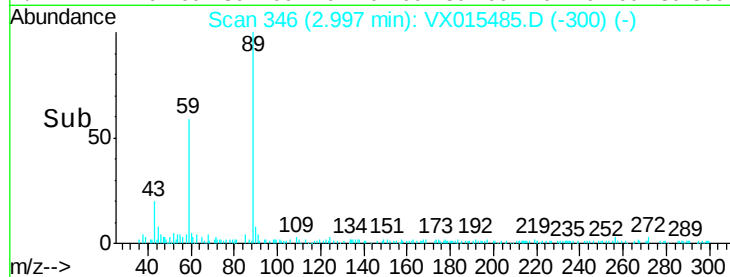
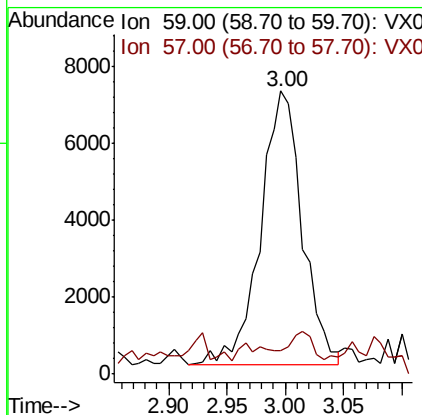
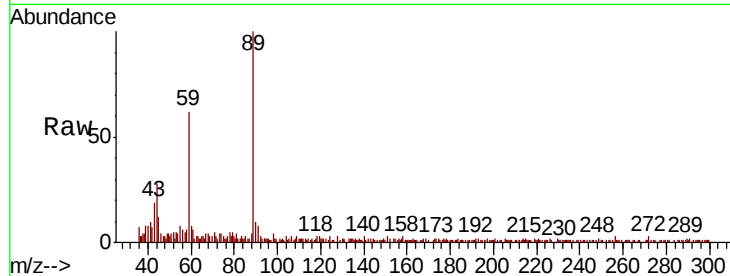


#11

Tert butyl alcohol
Concen: 4.897 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#07

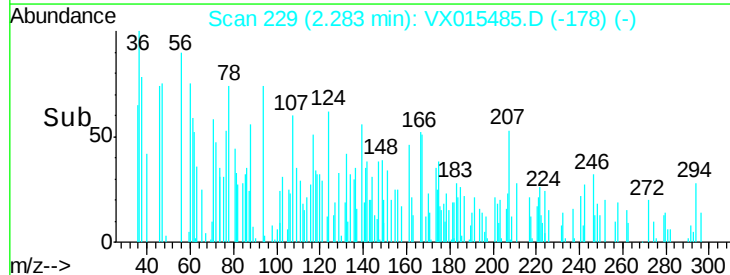
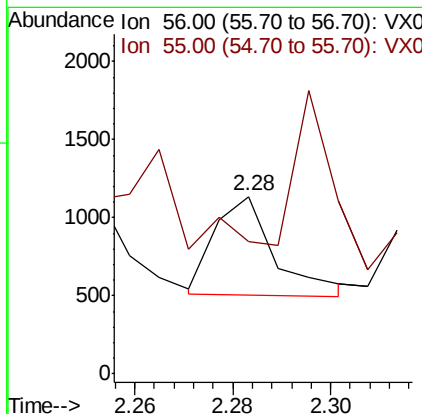
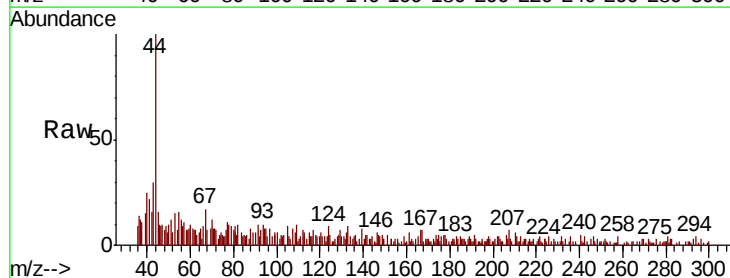
Tot Ion: 59 Resp: 17657
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#

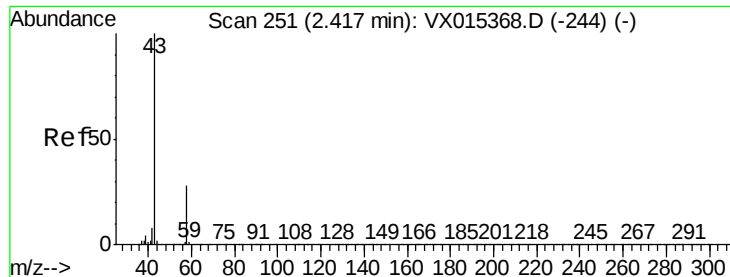


#13

Acrolein
Concen: 0.262 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Tgt Ion: 56 Resp: 538
Ion Ratio Lower Upper
56 100
55 117.8 57.0 85.4#

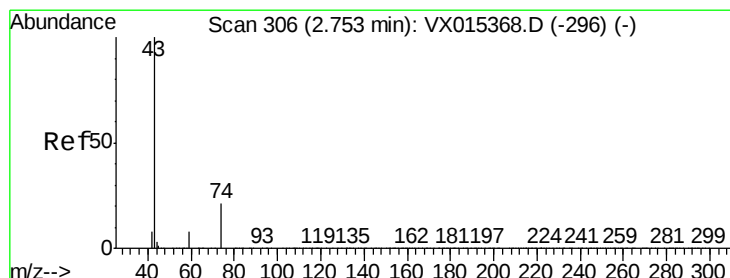
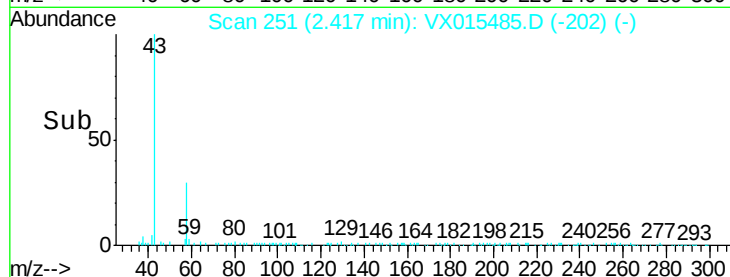
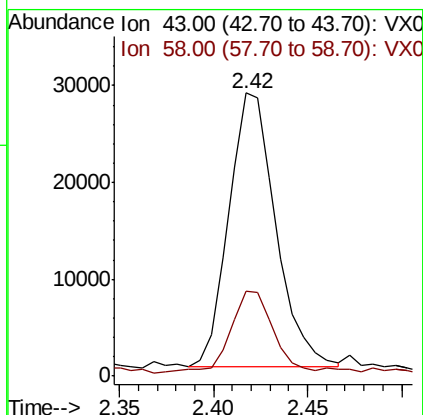
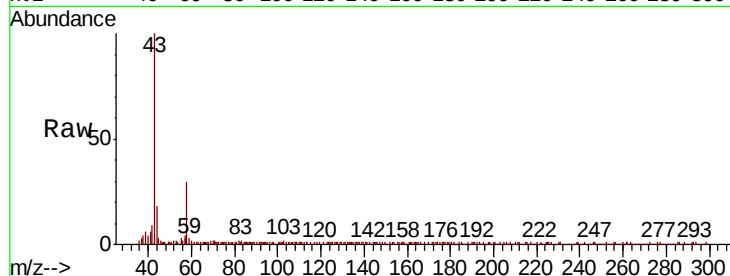




#16
Acetone
Concen: 7.577 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

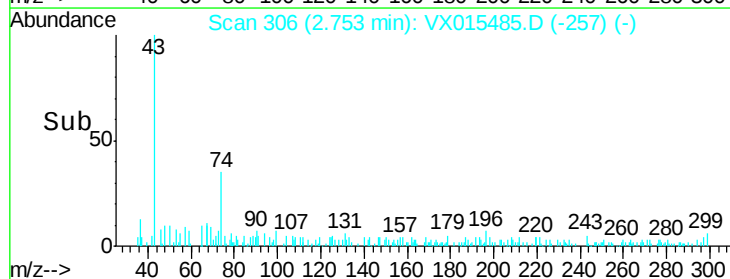
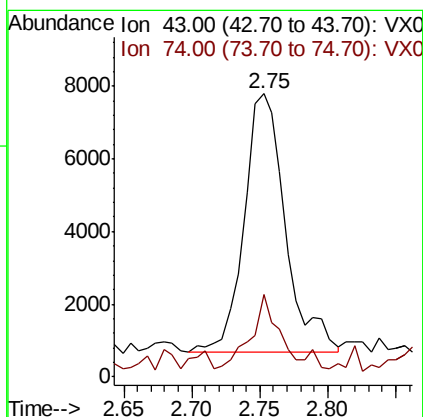
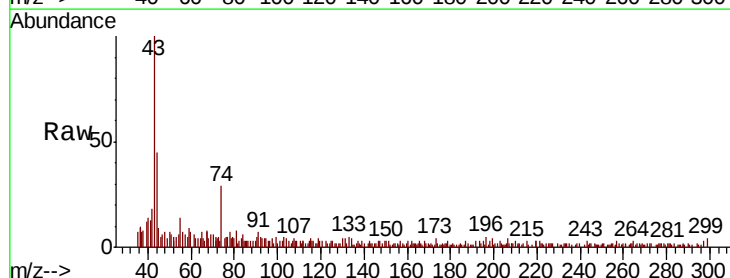
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#07

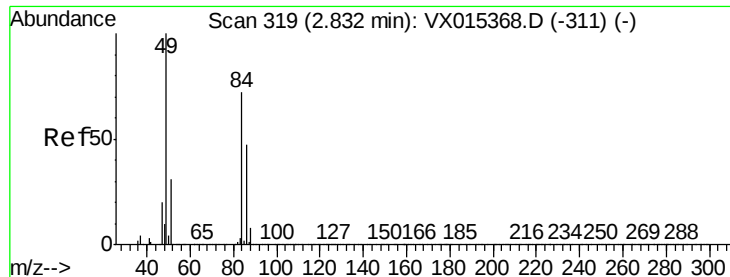
Tot Ion: 43 Resp: 49033
Ion Ratio Lower Upper
43 100
58 28.6 22.1 33.1



#18
Methyl Acetate
Concen: 0.912 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Tgt Ion: 43 Resp: 15071
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7

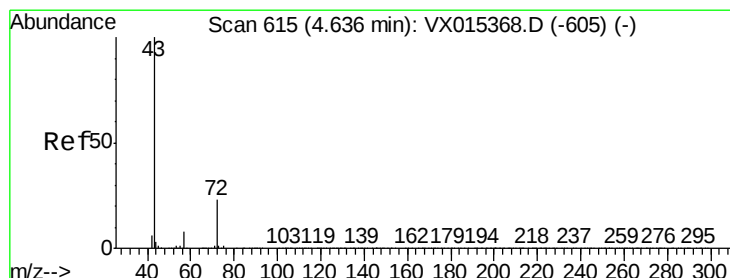
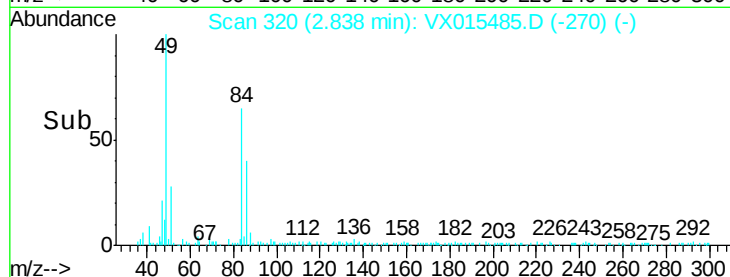
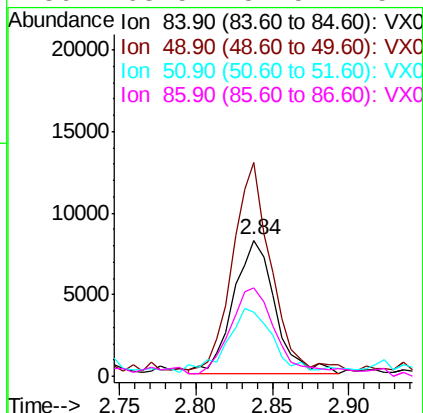
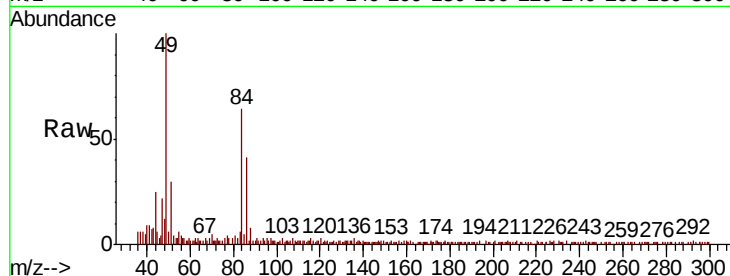




#20
Methvlene Chloride
Concen: 1.287 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

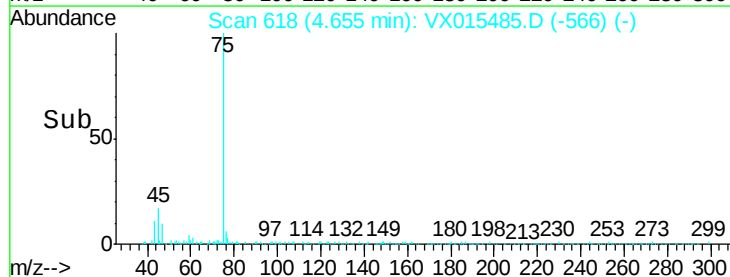
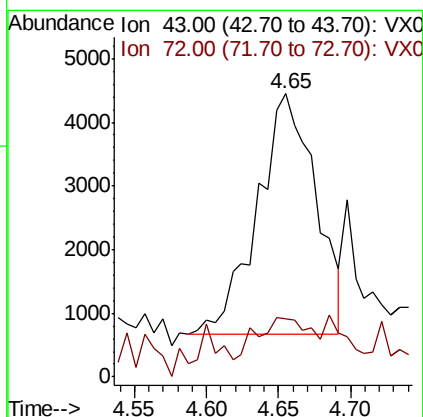
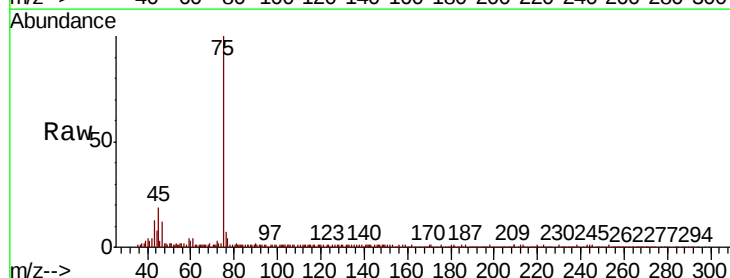
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#07

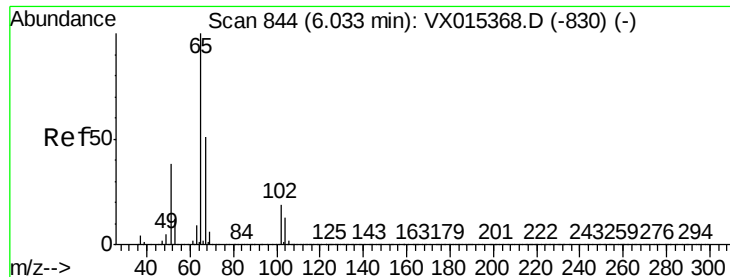
Tot Ion:	84	Resp:	15557
Ion	Ratio	Lower	Upper
84	100		
49	154.6	111.3	166.9
51	42.2	34.0	51.0
86	63.5	52.5	78.7



#25
2-Butanone
Concen: 1.026 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Tgt Ion:	43	Resp:	10677
Ion	Ratio	Lower	Upper
43	100		
72	18.7	19.0	28.4#





#33

1,2-Dichloroethane-d4

Concen: 49.192 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

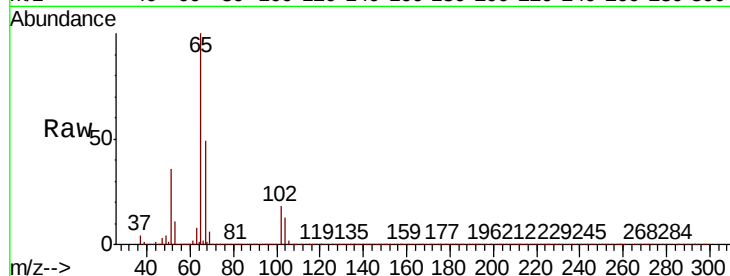
PB127948ZHE#07

Tot Ion: 65 Resp: 741001

Ion Ratio Lower Upper

65 100

67 49.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

300000

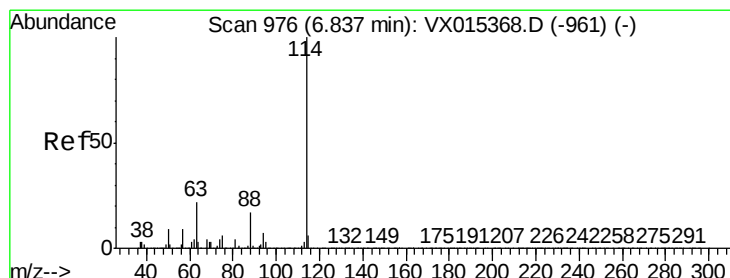
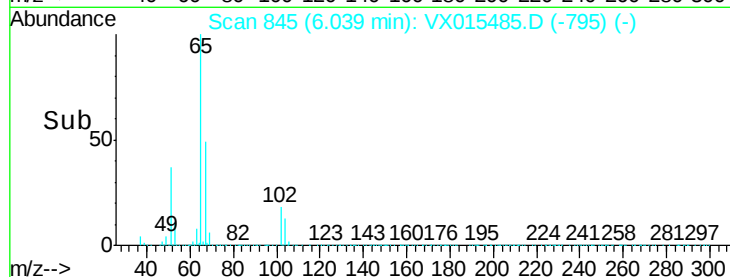
200000

100000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

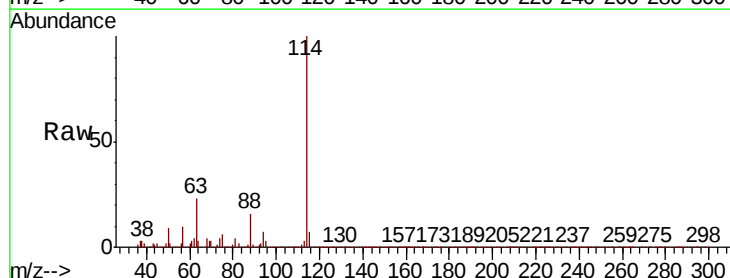
Tgt Ion: 114 Resp: 1733162

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.2

88 16.4 0.0 33.8



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

1000000

800000

600000

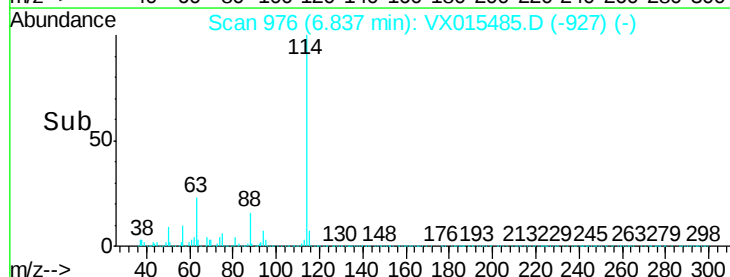
400000

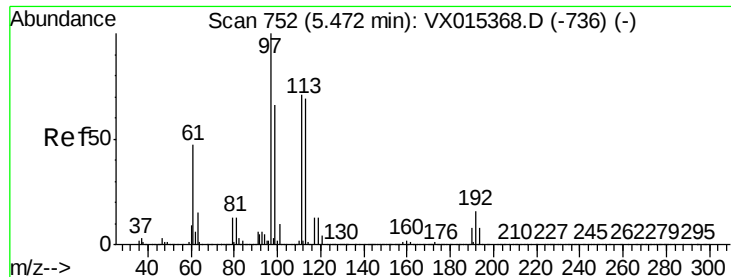
200000

0

6.70 6.80 6.90 7.00

Time-->

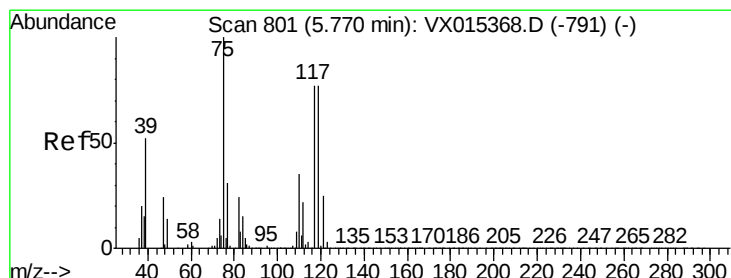
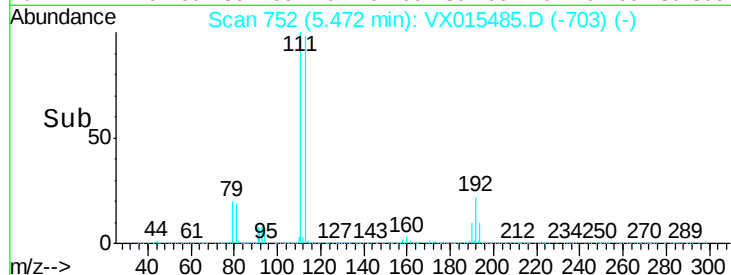
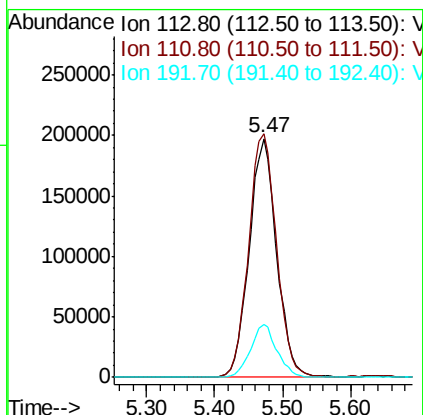
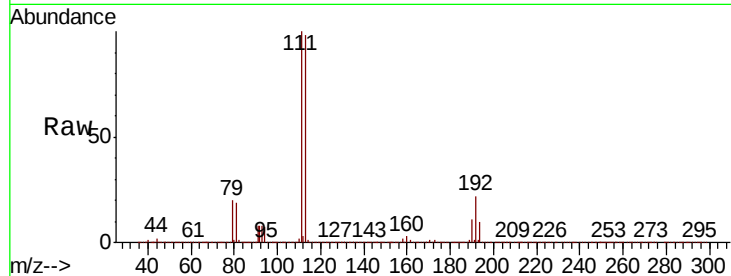




#35
Dibromofluoromethane
Concen: 50.038 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

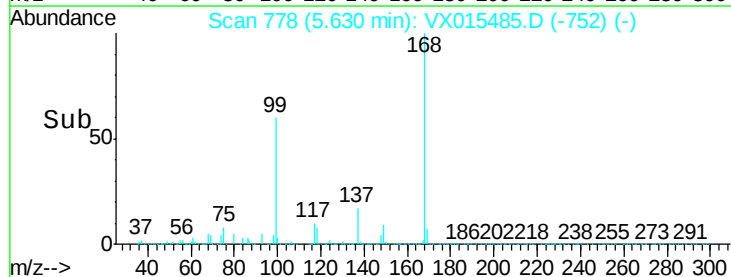
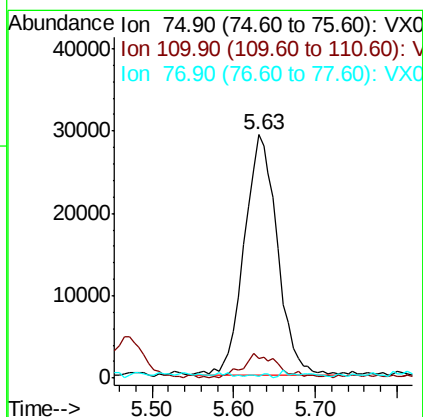
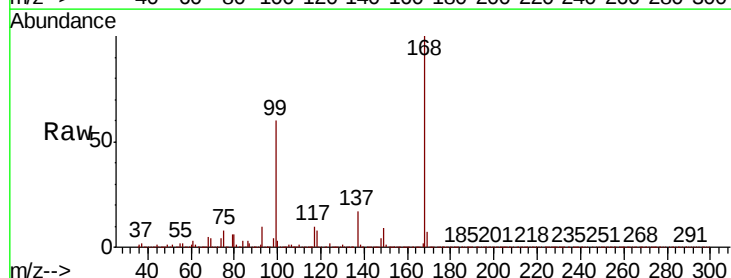
Instrument :
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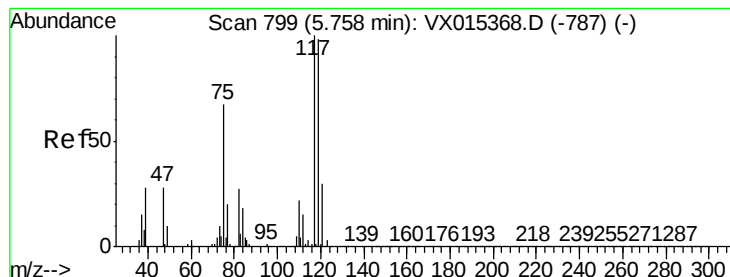
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	21.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.1	51.3#
77	0.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#07

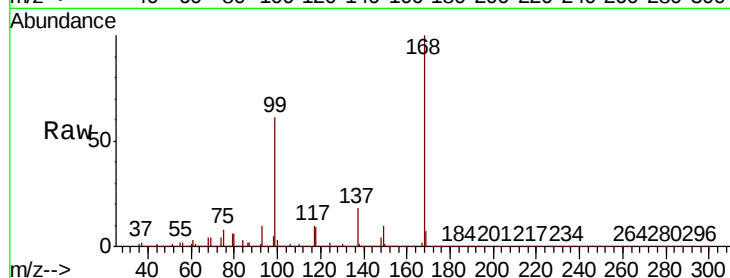
Tot Ion:117 Resp: 101880

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

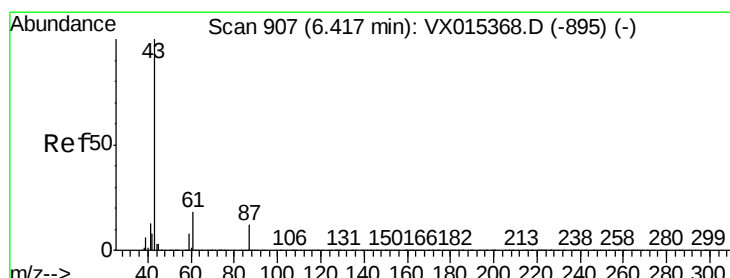
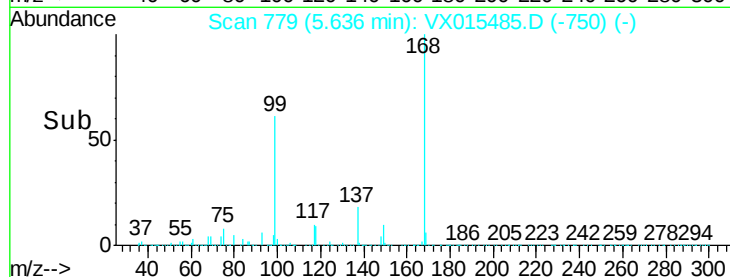
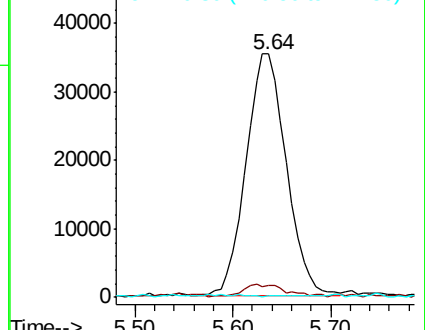
121 0.0 23.8 35.8#



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: 10.835 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

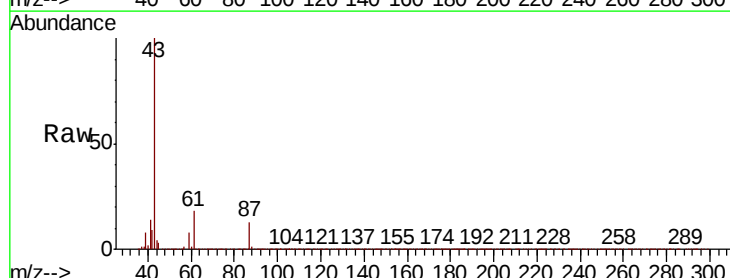
Tgt Ion: 43 Resp: 380305

Ion Ratio Lower Upper

43 100

61 18.9 14.8 22.2

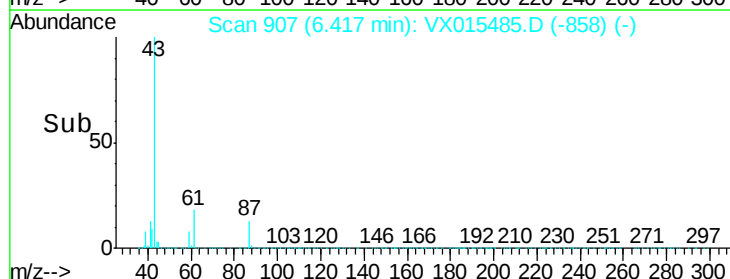
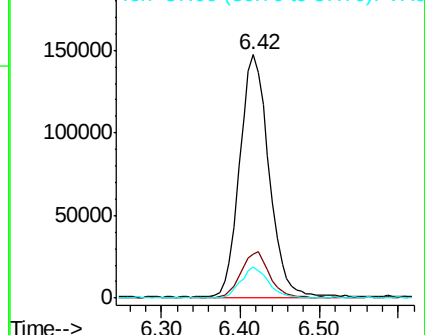
87 11.8 9.4 14.0

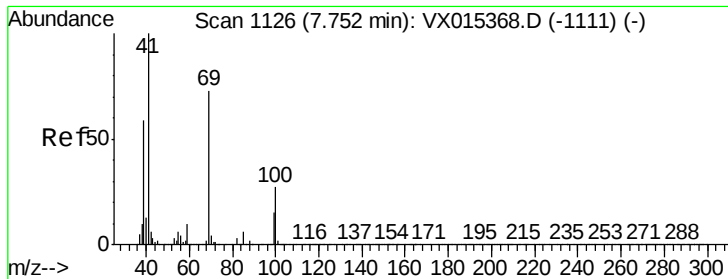


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

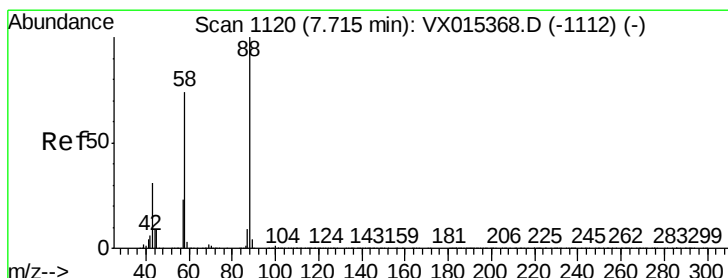
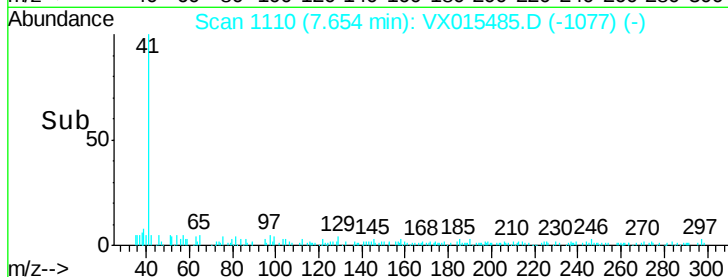
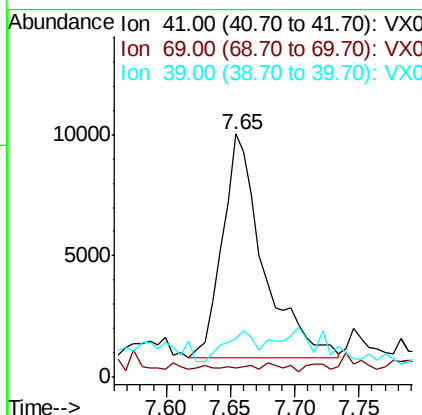
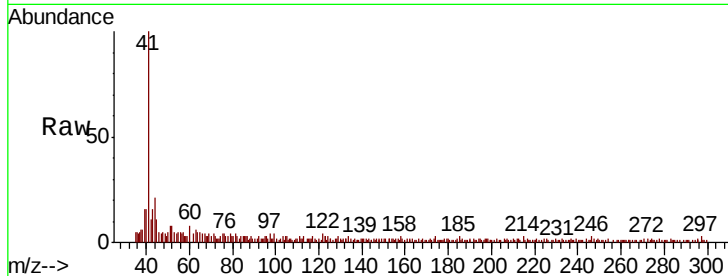




#48
Methvl methacrylate
Concen: 1.166 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

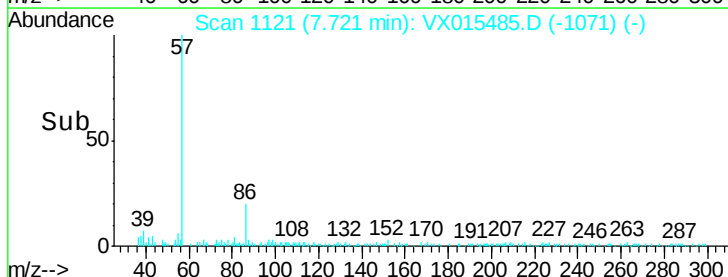
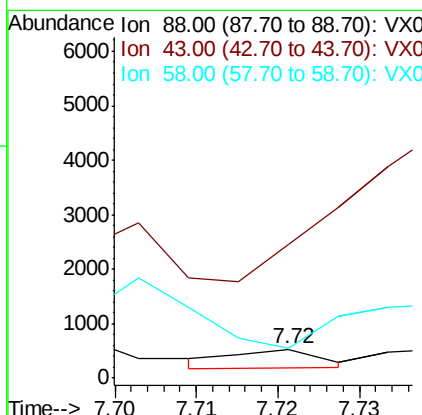
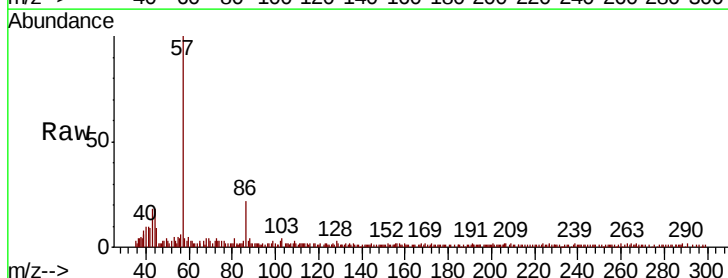
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#07

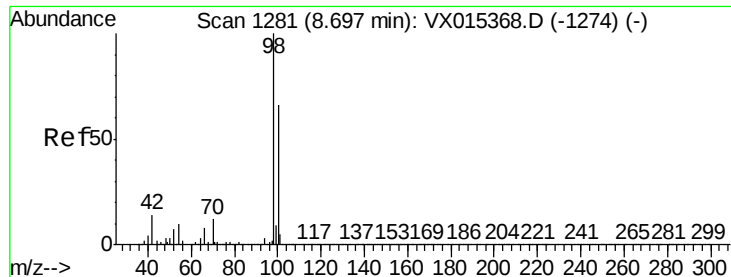
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	46.5	69.7#



#49
1,4-Dioxane
Concen: 0.755 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015485.D
Acq: 02 Apr 2020 16:29

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#





#50

Toluene-d8

Concen: 51.400 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

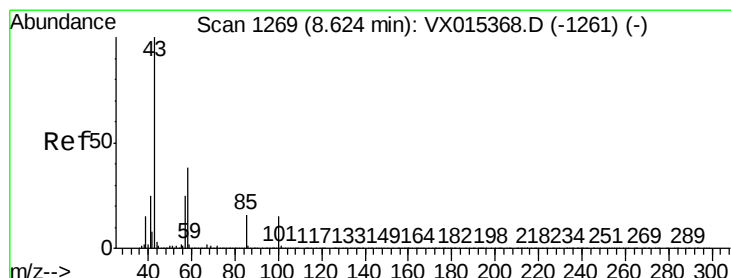
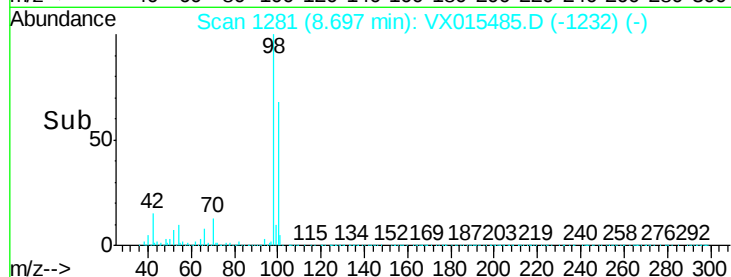
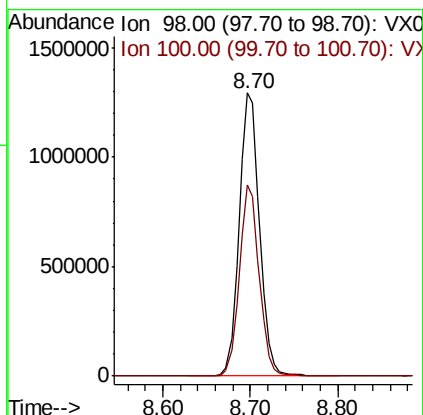
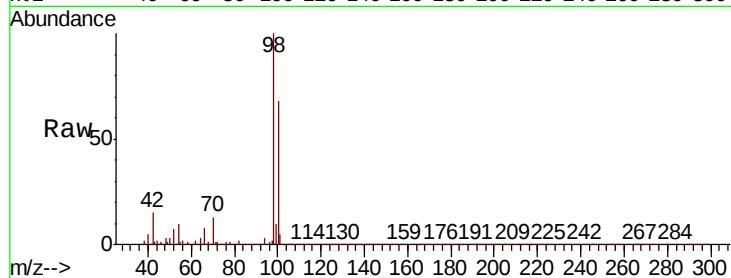
PB127948ZHE#07

Tot Ion: 98 Resp: 2096579

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 18.542 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015485.D

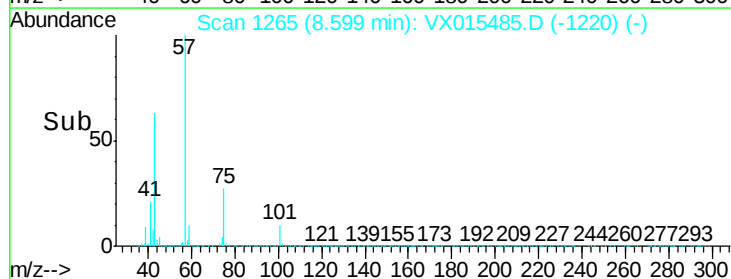
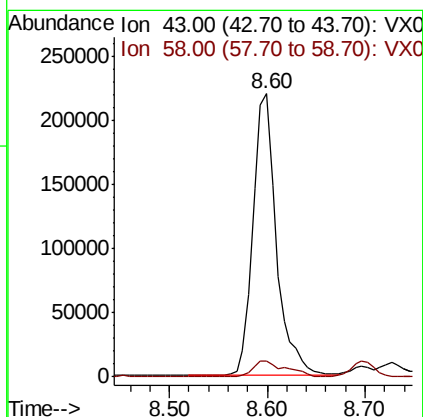
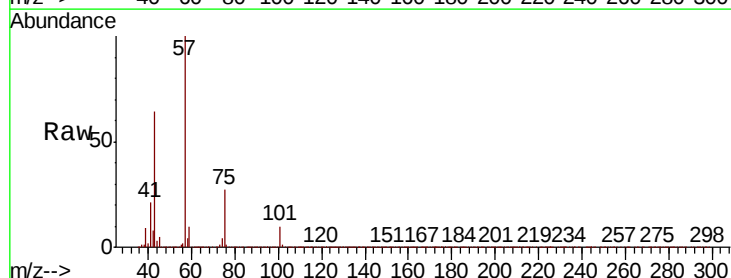
Acq: 02 Apr 2020 16:29

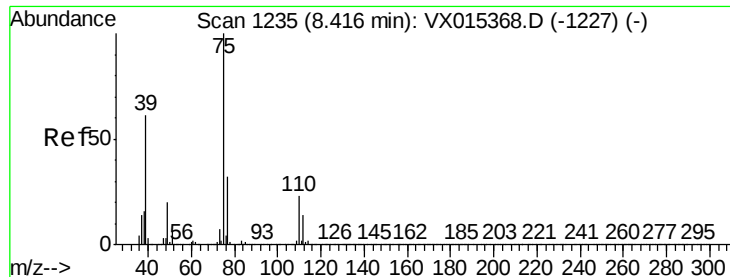
Tgt Ion: 43 Resp: 368835

Ion Ratio Lower Upper

43 100

58 7.9 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.778 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#07

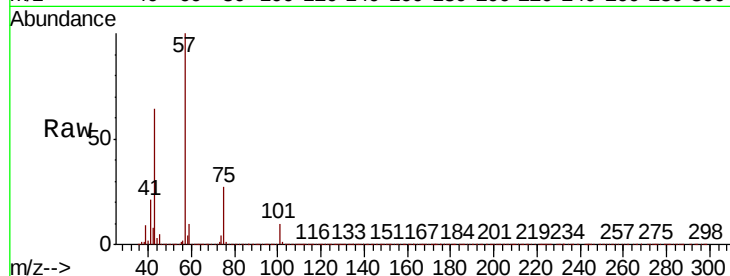
Tot Ion: 75 Resp: 144845

Ion Ratio Lower Upper

75 100

77 0.1 25.8 38.6#

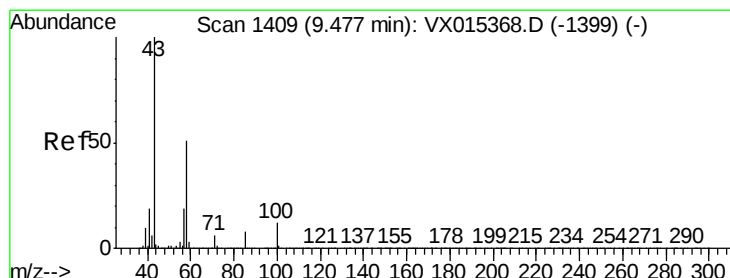
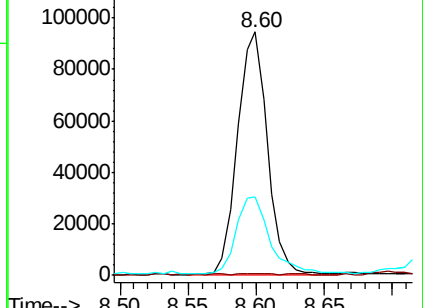
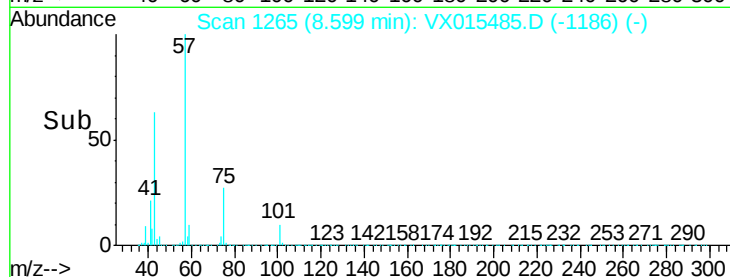
39 31.5 49.0 73.4#



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



#59

2-Hexanone

Concen: 26.311 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015485.D

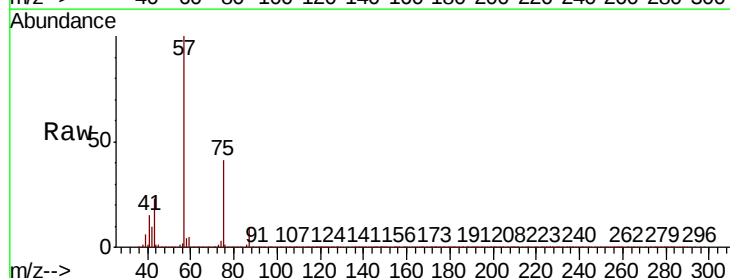
Acq: 02 Apr 2020 16:29

Tgt Ion: 43 Resp: 395146

Ion Ratio Lower Upper

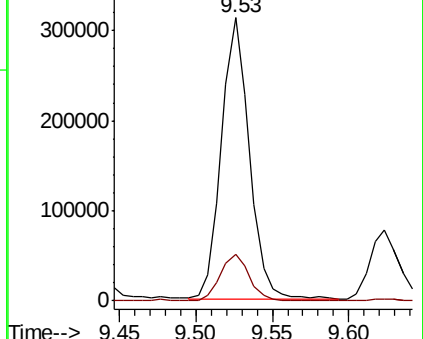
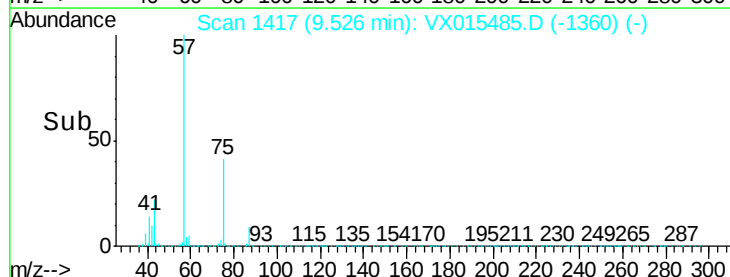
43 100

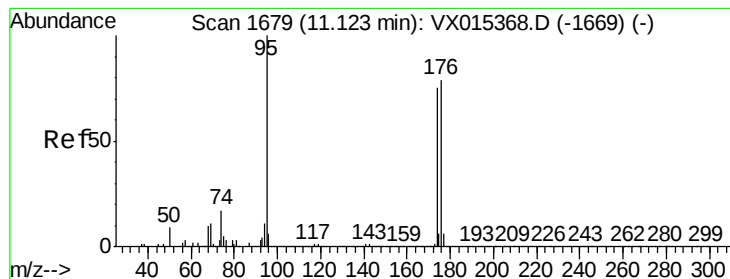
58 17.2 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.461 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#07

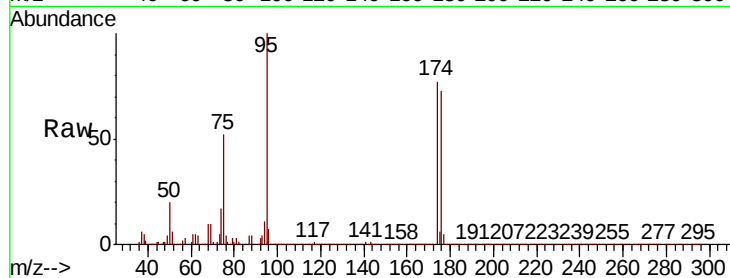
Tot Ion: 95 Resp: 919375

Ion Ratio Lower Upper

95 100

174 78.3 0.0 158.6

176 74.4 0.0 159.0

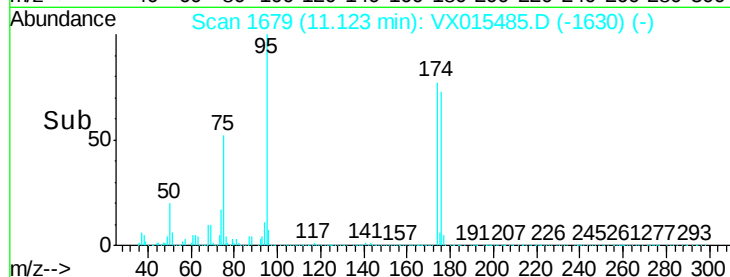


Abundance Ion 94.90 (94.60 to 95.60): VX015485.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015485.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015485.D (-1630) (-)

Time-->

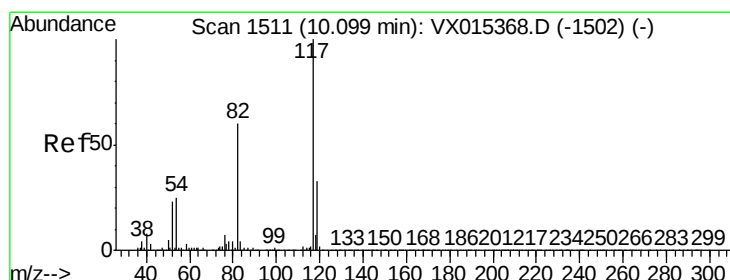


Abundance Ion 94.90 (94.60 to 95.60): VX015485.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015485.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015485.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

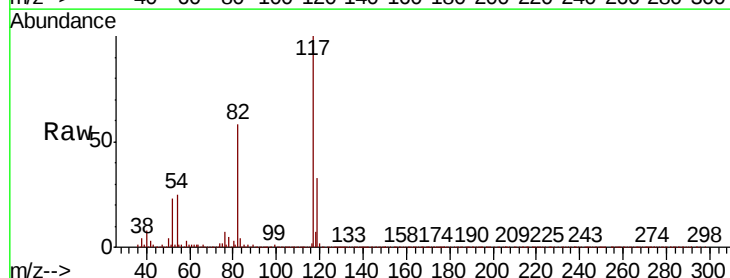
Tgt Ion: 117 Resp: 1648018

Ion Ratio Lower Upper

117 100

82 58.2 47.8 71.8

119 32.9 26.8 40.2

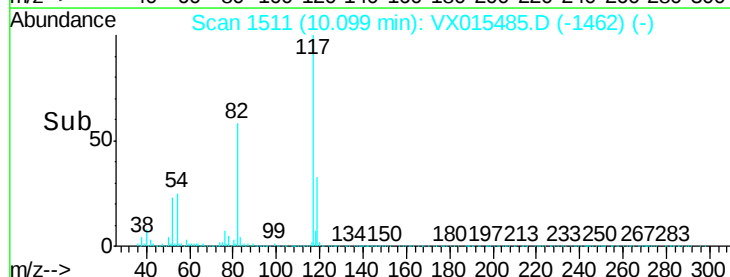


Abundance Ion 116.90 (116.60 to 117.60): VX015485.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015485.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015485.D (-1462) (-)

Time-->

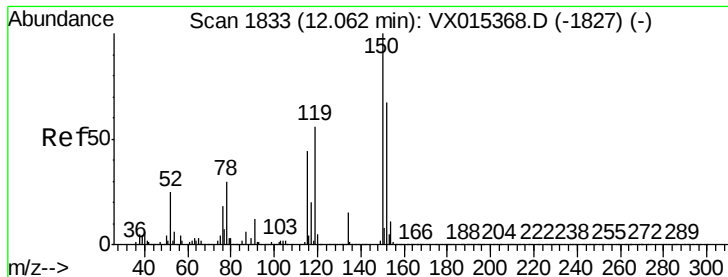


Abundance Ion 116.90 (116.60 to 117.60): VX015485.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015485.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015485.D (-1462) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#07

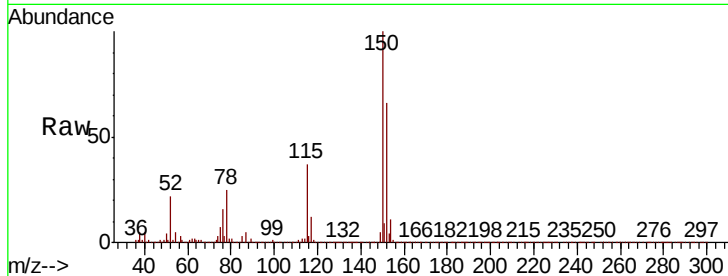
Tot Ion: 152 Resp: 872462

Ion Ratio Lower Upper

152 100

115 60.9 39.0 116.9

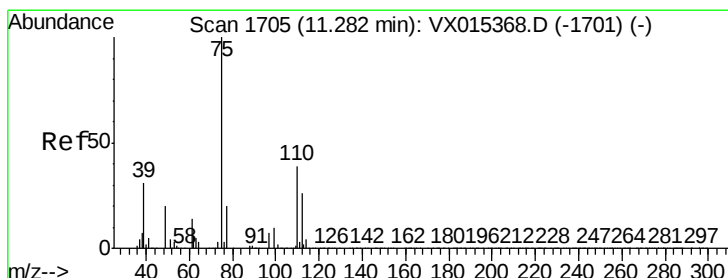
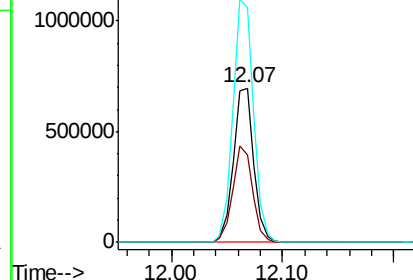
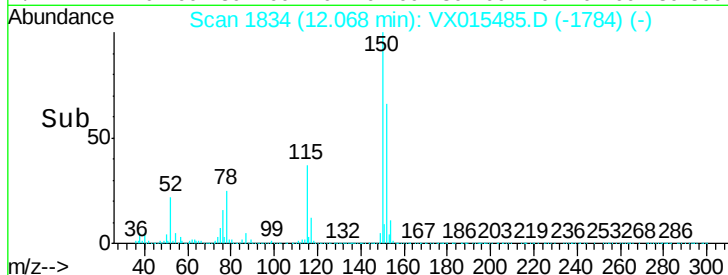
150 159.8 0.0 340.8



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: 26.275 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015485.D

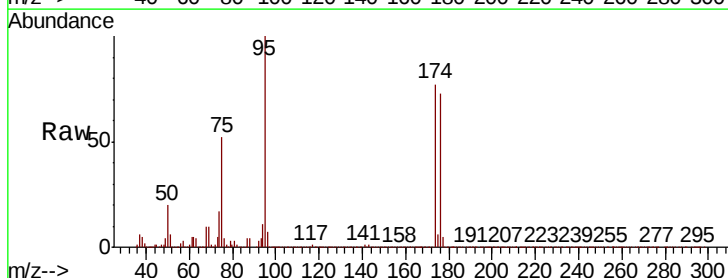
Acq: 02 Apr 2020 16:29

Tgt Ion: 75 Resp: 471404

Ion Ratio Lower Upper

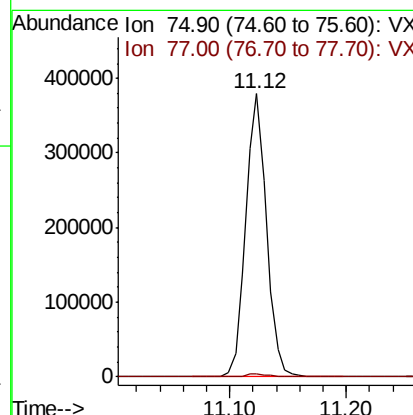
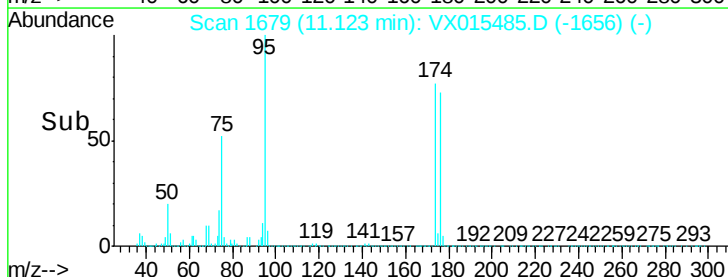
75 100

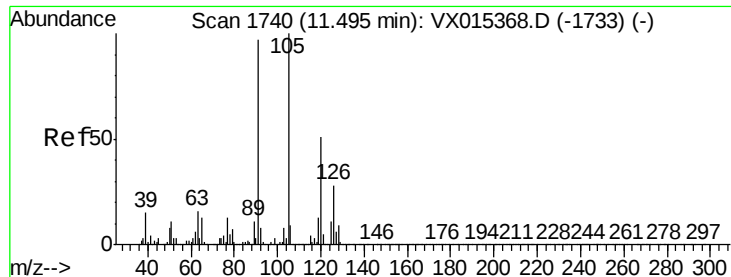
77 1.1 21.2 63.6#



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: 0.919 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Instrument :

MSVOA_X

ClientSampleId :

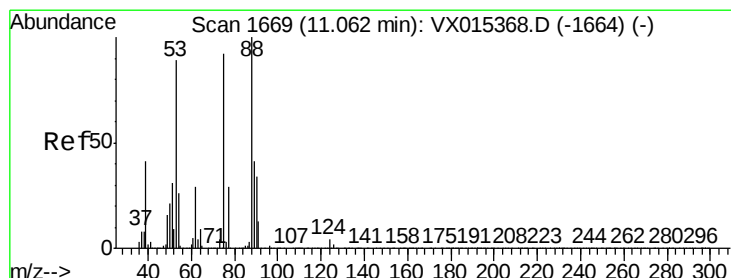
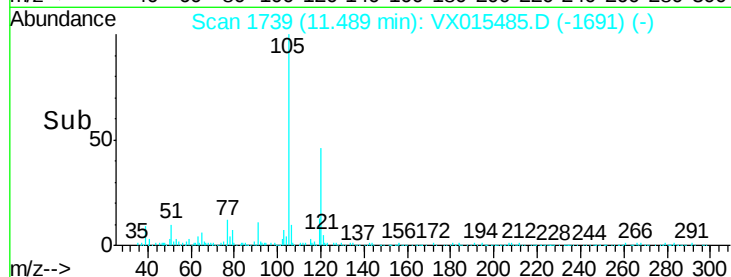
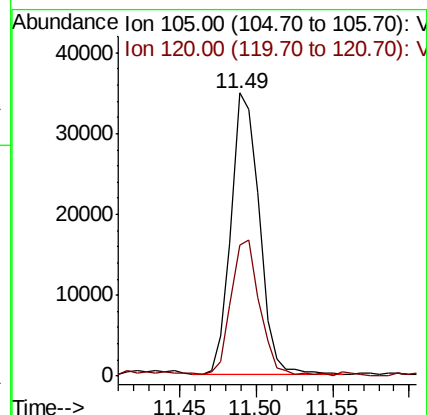
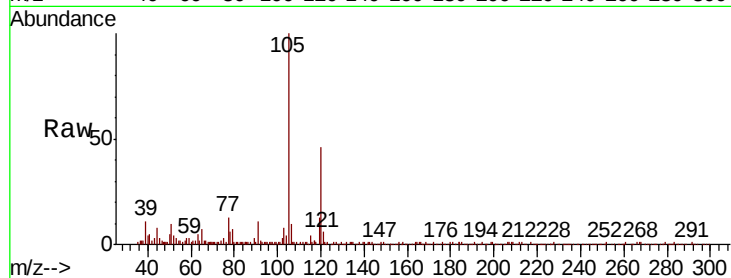
PB127948ZHE#07

Tot Ion:105 Resp: 44862

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 63.045 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015485.D

Acq: 02 Apr 2020 16:29

Tgt Ion: 75 Resp: 471404

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.2 36.1 54.1#

