

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015484.D
 Acq On : 02 Apr 2020 16:07
 Operator : JC/SP
 Sample : PB127948ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#06

Quant Time: Apr 03 08:02:29 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	1036264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1724166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1603622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	852235	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	729845	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	5.47	113	549082	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.70	98	2084405	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.12	95	875741	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	

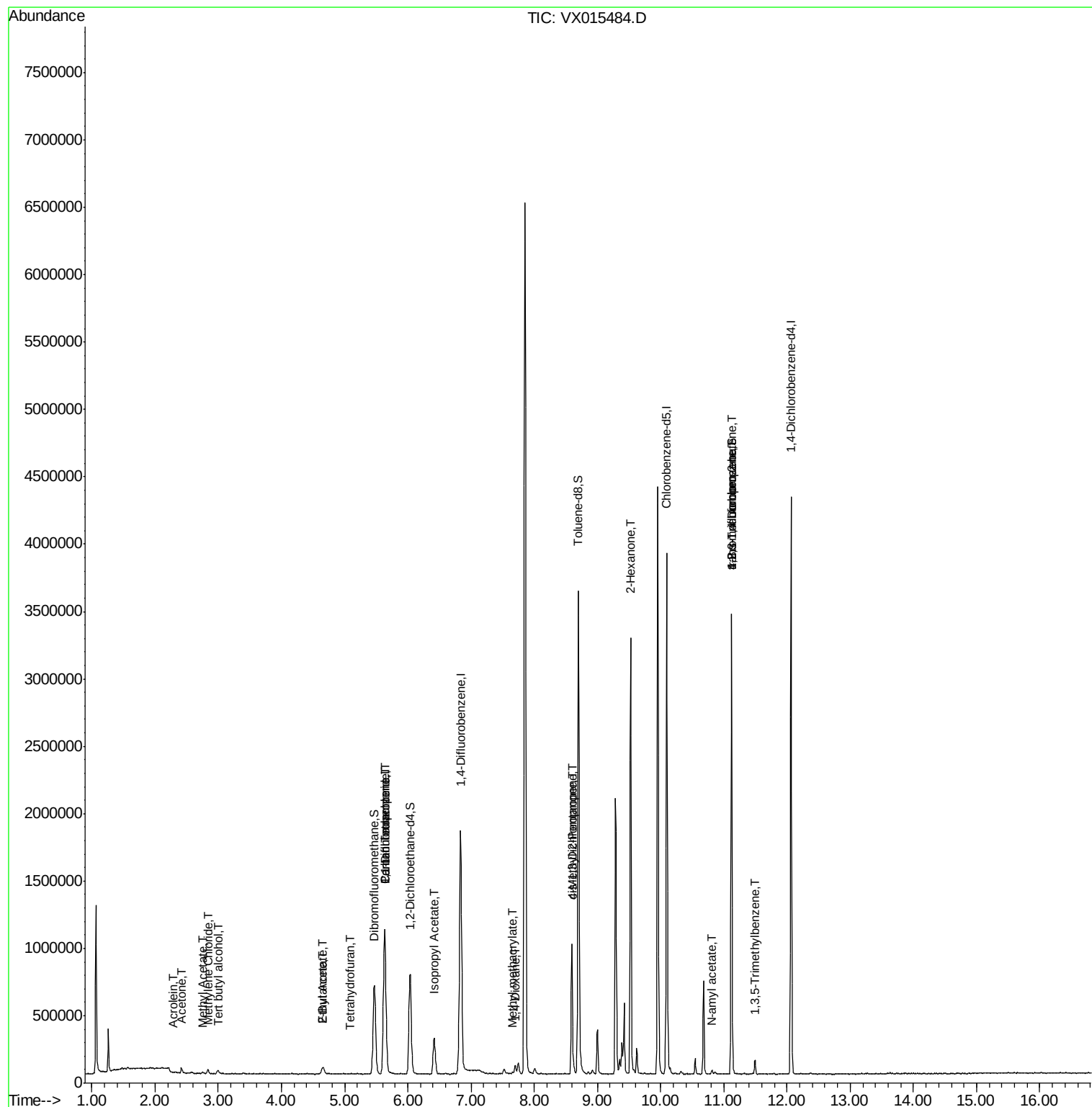
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1341	Below Cal	#	76
11) Tert butyl alcohol	3.00	59	17087	4.884	ug/l #	81
13) Acrolein	2.30	56	706	0.354	ug/l	95
16) Acetone	2.42	43	47829	7.617	ug/l	100
18) Methyl Acetate	2.75	43	14819	0.925	ug/l	100
20) Methylene Chloride	2.84	84	15535	1.325	ug/l #	82
25) 2-Butanone	4.65	43	13333	1.320	ug/l	99
29) Tetrahydrofuran	5.09	42	1355	0.209	ug/l	88
36) 1,1-Dichloropropene	5.63	75	81195	5.111	ug/l #	52
37) Ethyl Acetate	4.65	43	13333	0.645	ug/l	99
38) Carbon Tetrachloride	5.64	117	103659	6.024	ug/l #	15
43) Isopropyl Acetate	6.42	43	392570	11.242	ug/l	100
48) Methyl methacrylate	7.66	41	18096	1.038	ug/l #	19
49) 1,4-Dioxane	7.71	88	374	1.149	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	383807	19.395	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	153887	7.239	ug/l #	55
59) 2-Hexanone	9.53	43	402030	26.909	ug/l #	51
74) N-amyl acetate	10.81	43	18109	0.583	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	465459	26.559	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	47145	0.989	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	465459	63.727	ug/l #	10

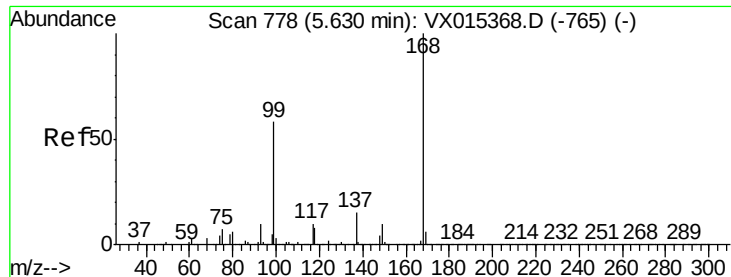
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

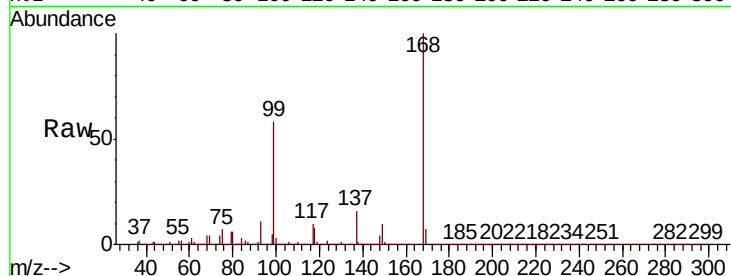
PB127948ZHE#06

Tot Ion:168 Resp: 1036264

Ion Ratio Lower Upper

168 100

99 58.3 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

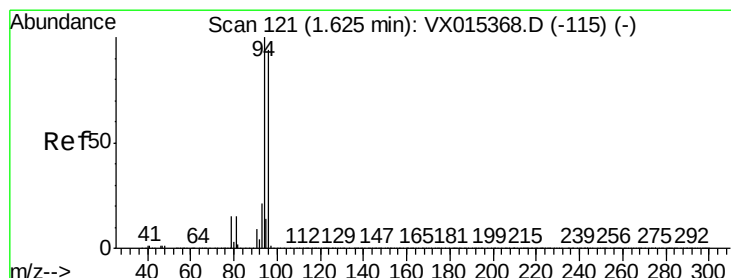
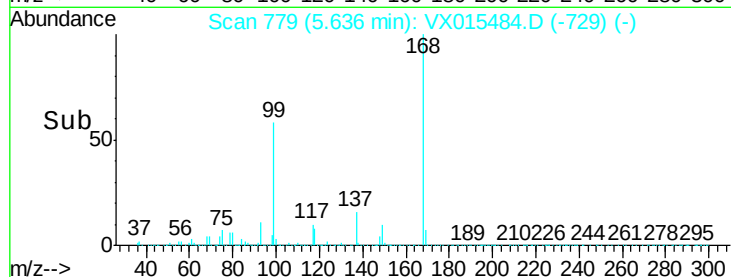
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015484.D

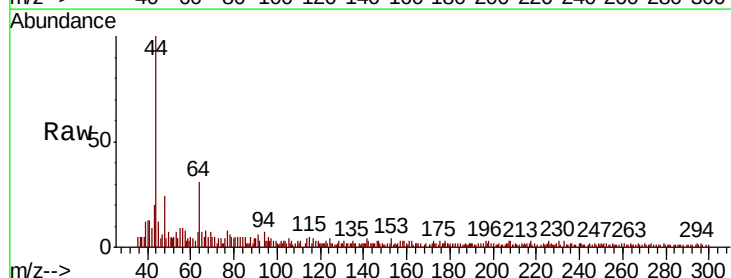
Acq: 02 Apr 2020 16:07

Tgt Ion: 94 Resp: 1341

Ion Ratio Lower Upper

94 100

96 70.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

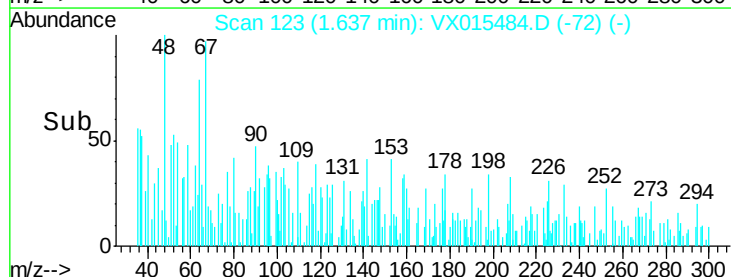
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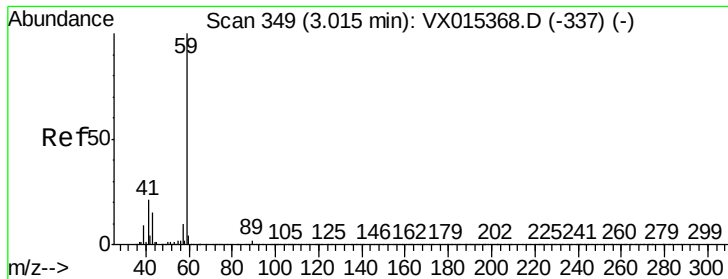
400

200

0

Time-->

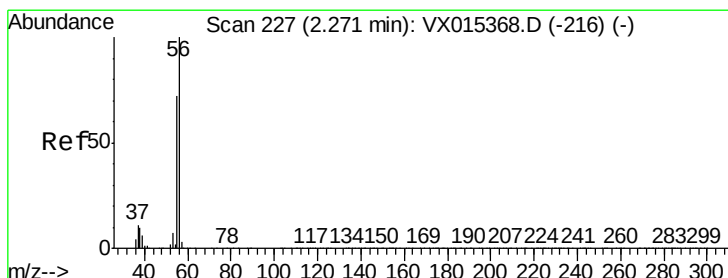
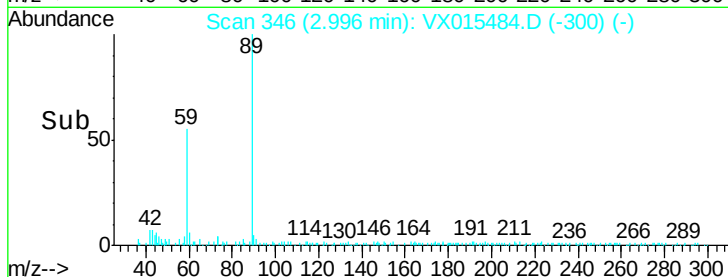
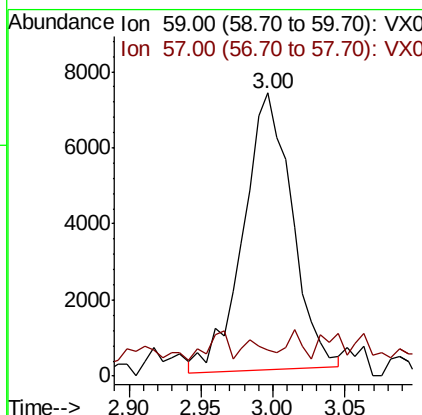
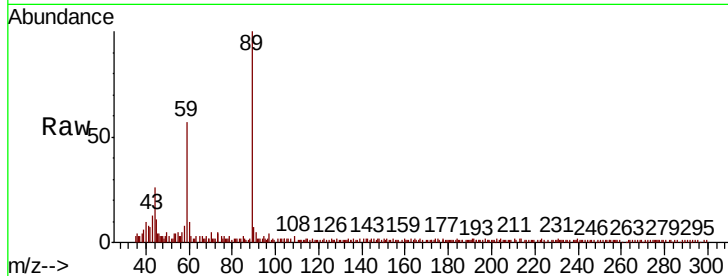




#11
Tert butyl alcohol
Concen: 4.884 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

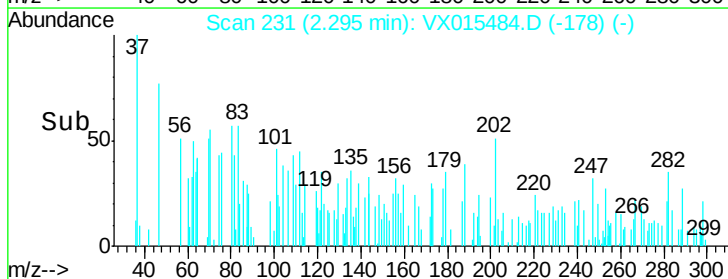
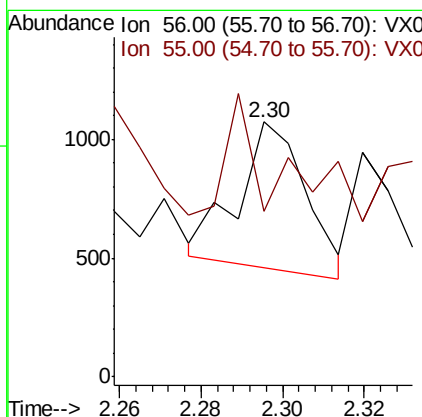
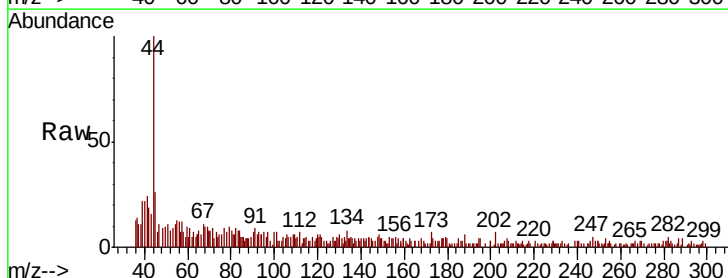
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#06

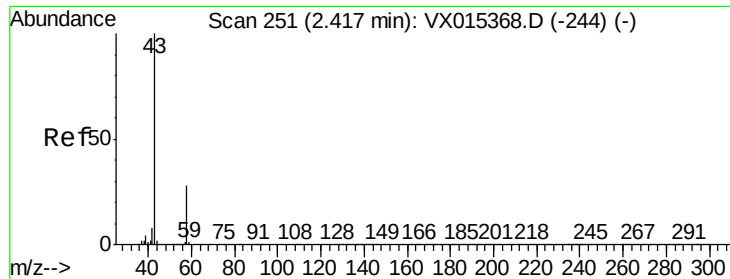
Tot Ion: 59 Resp: 17087
Ion Ratio Lower Upper
59 100
57 2.9 8.1 12.1#



#13
Acrolein
Concen: 0.354 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

Tgt Ion: 56 Resp: 706
Ion Ratio Lower Upper
56 100
55 67.0 57.0 85.4

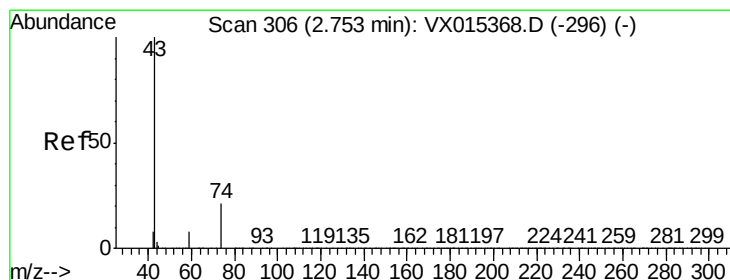
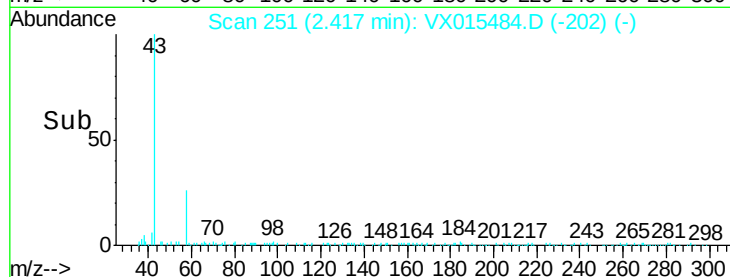
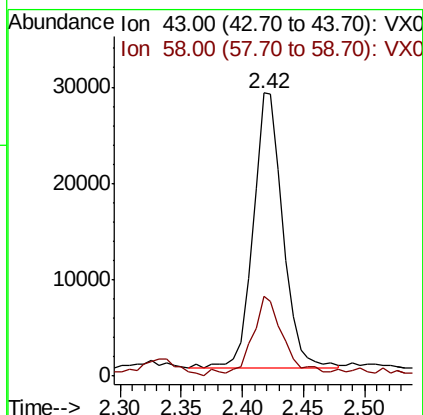
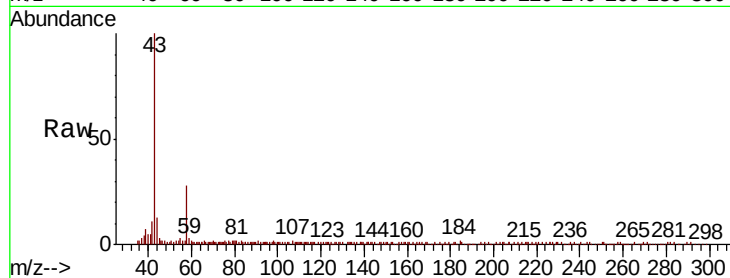




#16
Acetone
Concen: 7.617 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

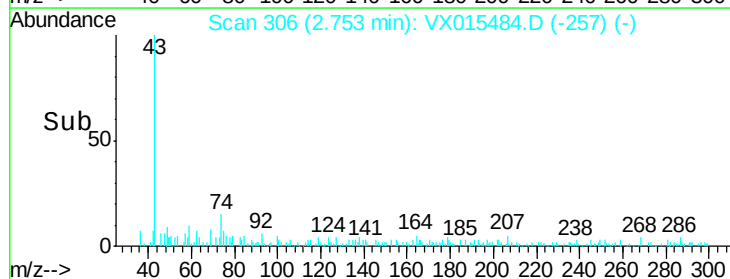
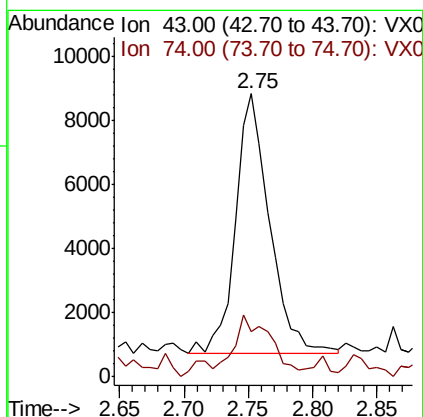
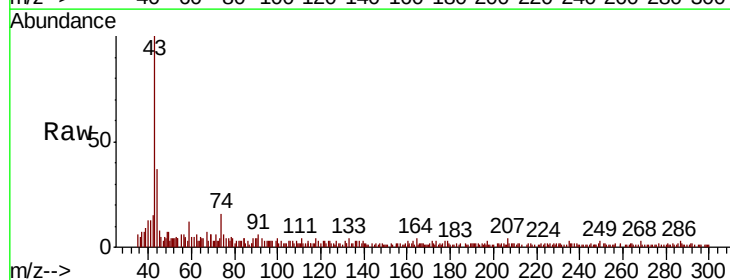
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#06

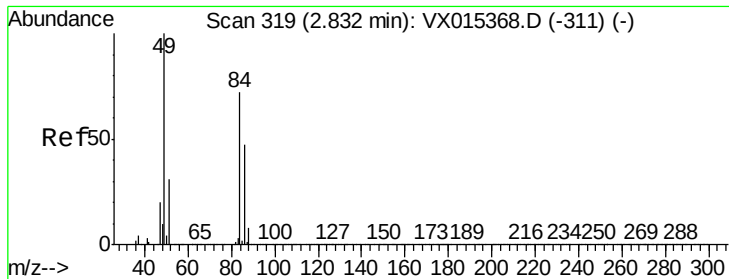
Tot Ion: 43 Resp: 47829
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#18
Methyl Acetate
Concen: 0.925 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

Tgt Ion: 43 Resp: 14819
Ion Ratio Lower Upper
43 100
74 20.5 16.5 24.7

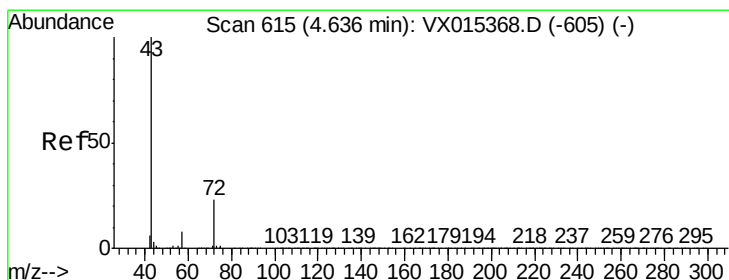
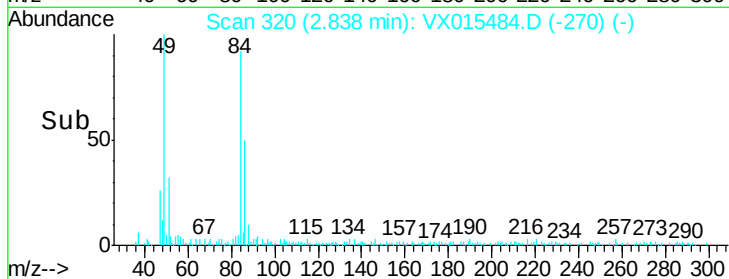
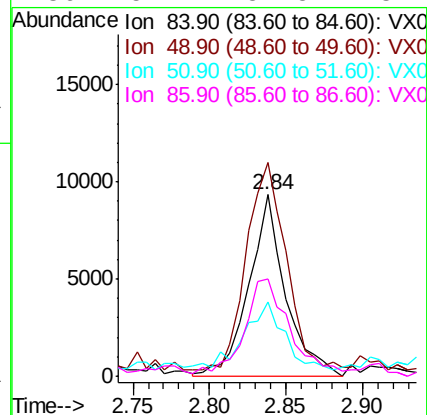
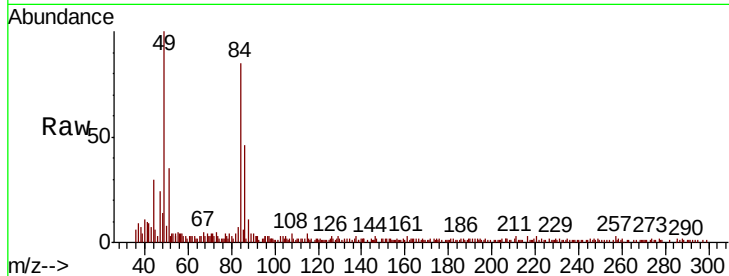




#20
Methylene Chloride
Concen: 1.325 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

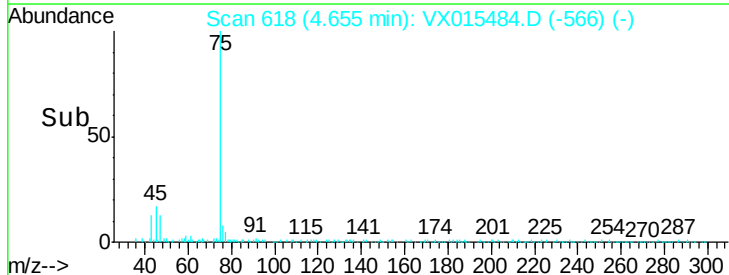
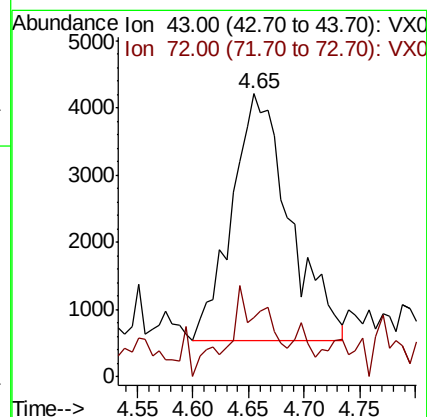
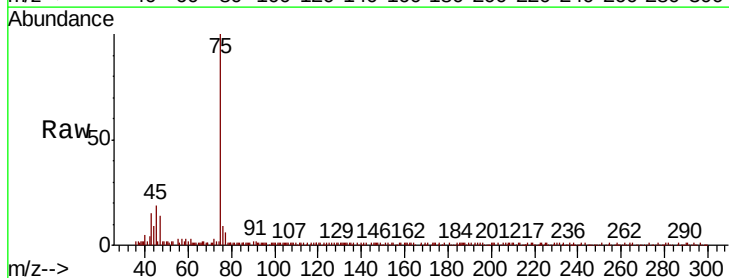
Instrument :
MSVOA_X
ClientSampleId :
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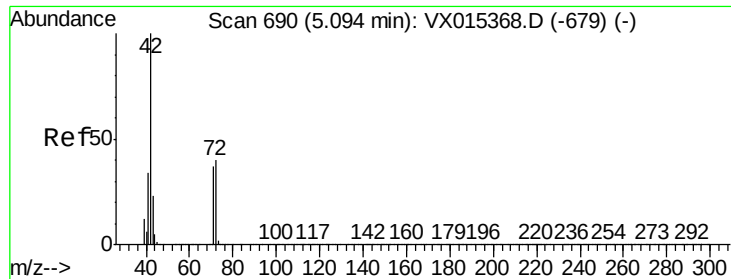
Tot Ion: 84 Resp: 15535
Ion Ratio Lower Upper
84 100
49 114.4 111.3 166.9
51 36.0 34.0 51.0
86 52.1 52.5 78.7#



#25
2-Butanone
Concen: 1.320 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015484.D
Acq: 02 Apr 2020 16:07

Tgt Ion: 43 Resp: 13333
Ion Ratio Lower Upper
43 100
72 24.1 19.0 28.4





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

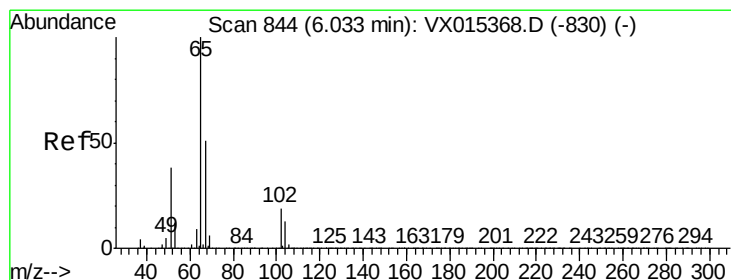
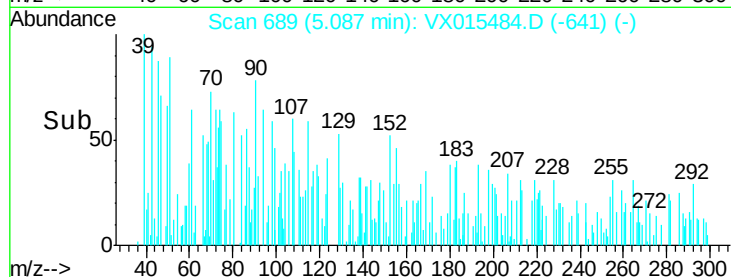
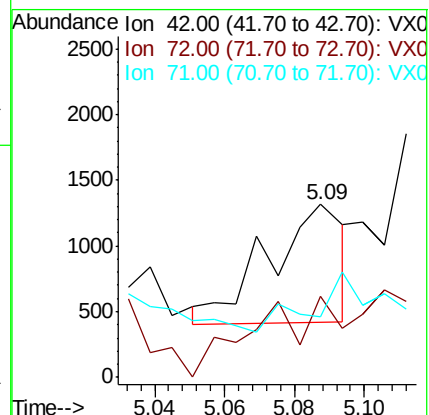
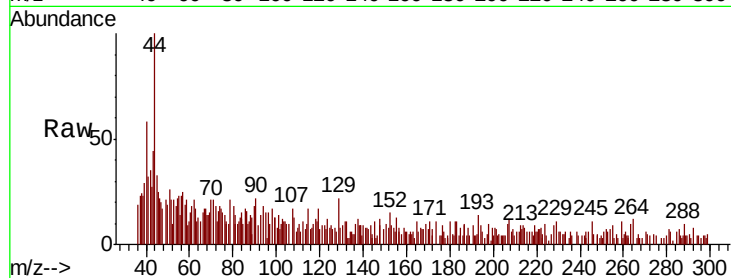
Tot Ion: 42 Resp: 1355

Ion Ratio Lower Upper

42 100

72 47.5 31.7 47.5

71 30.0 29.6 44.4



#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015484.D

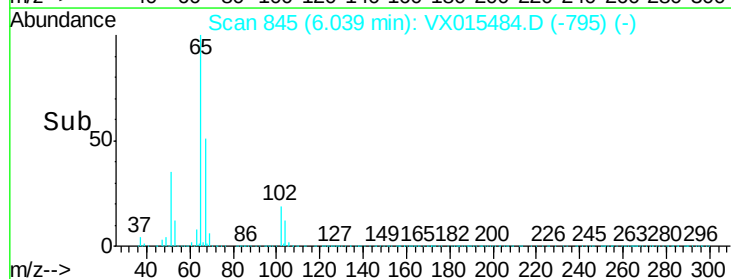
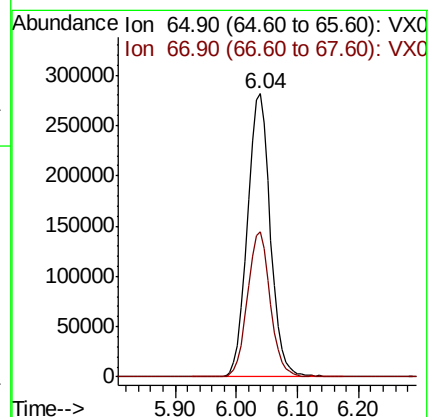
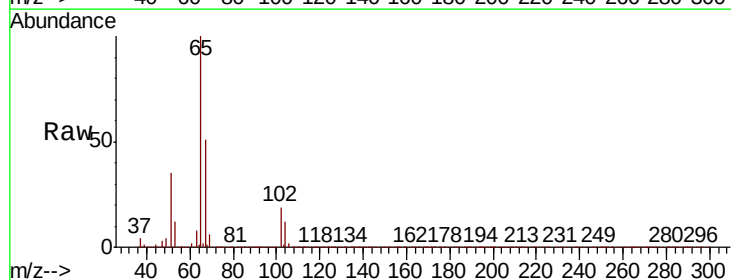
Acq: 02 Apr 2020 16:07

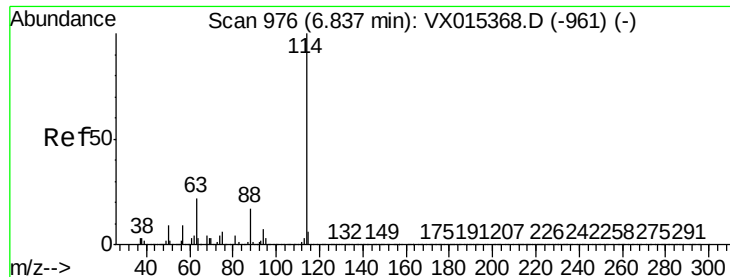
Tgt Ion: 65 Resp: 729845

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6

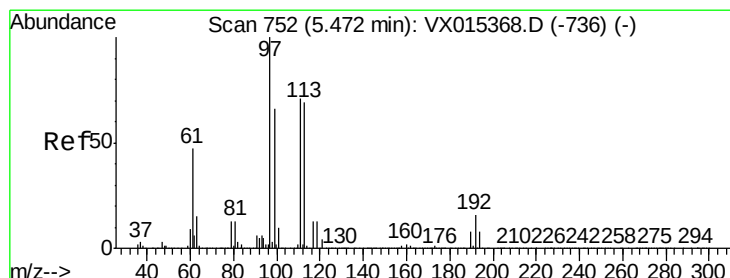
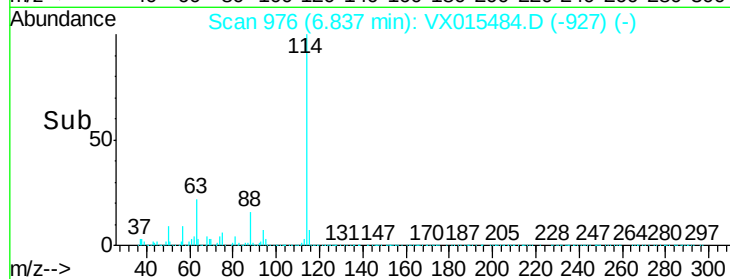
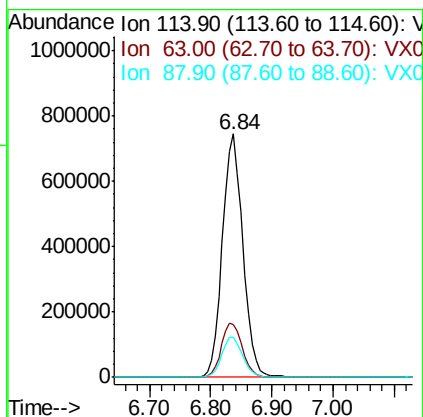
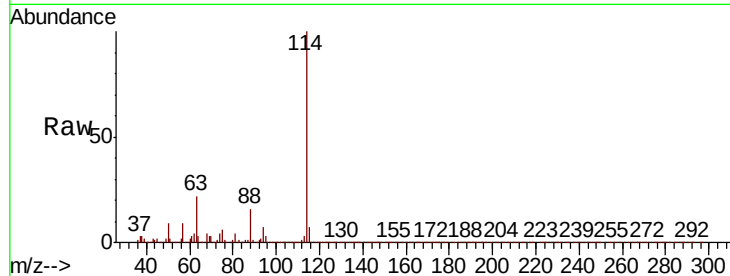




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

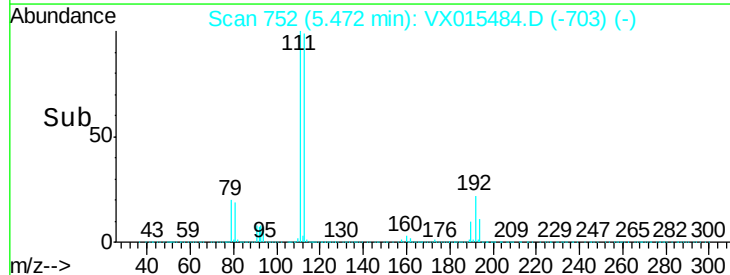
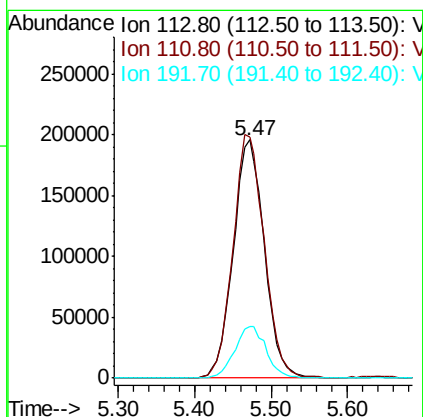
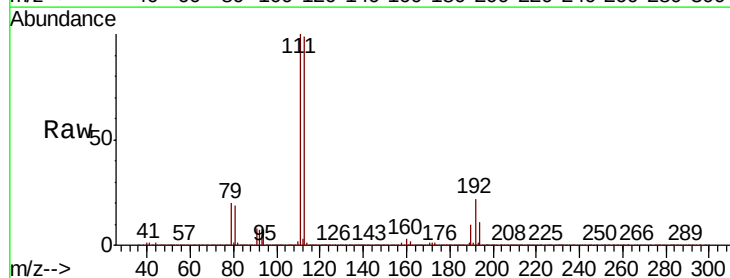
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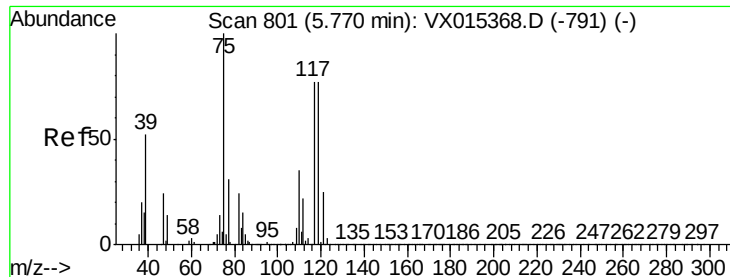
Tot Ion:114 Resp: 1724166
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.2
 88 16.4 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 49.820 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

Tgt Ion:113 Resp: 549082
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 21.9 17.8 26.6

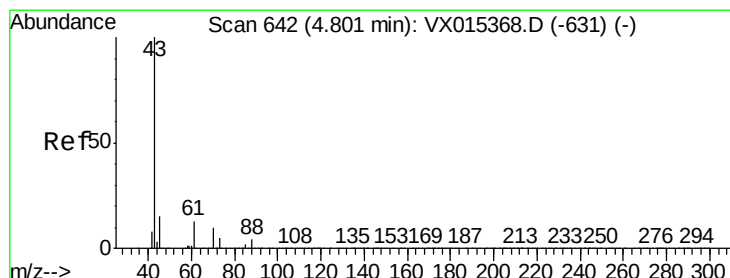
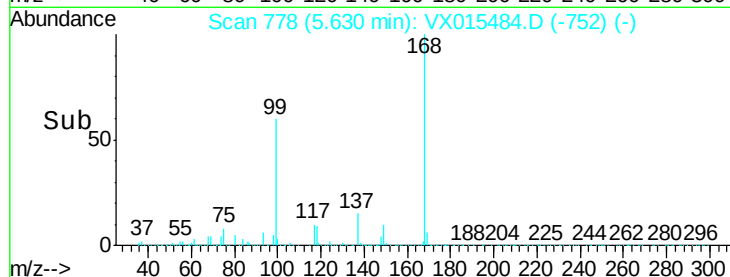
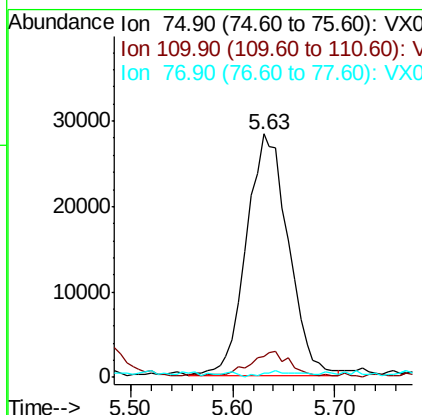
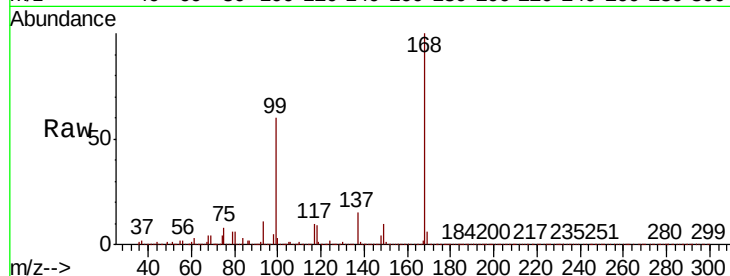




#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

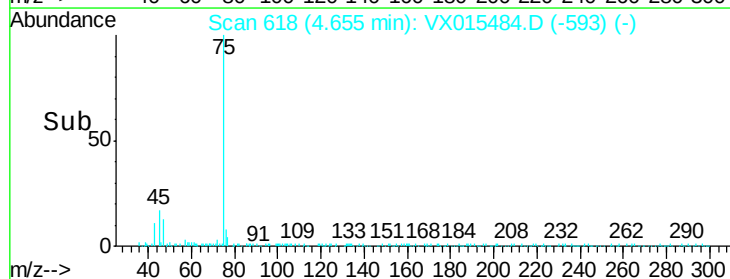
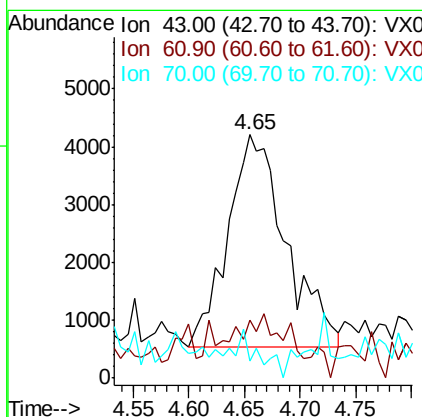
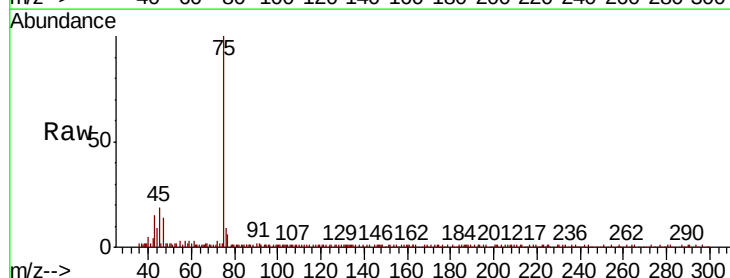
Instrument :
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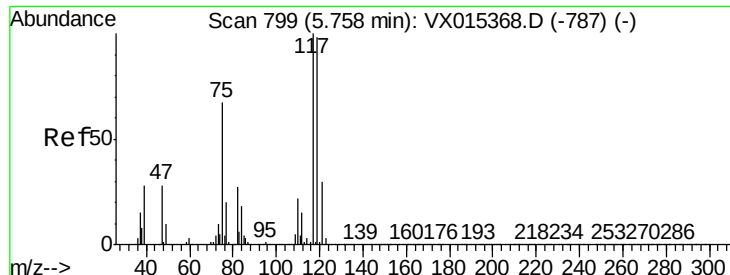
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.1	51.3#
77	1.7	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.645 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.15 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.9	14.9
70	9.8	8.1	12.1





#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

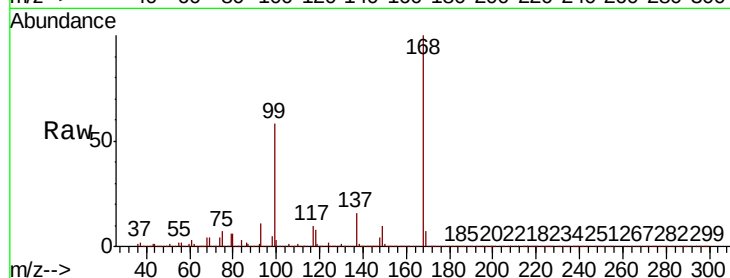
Tot Ion:117 Resp: 103659

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

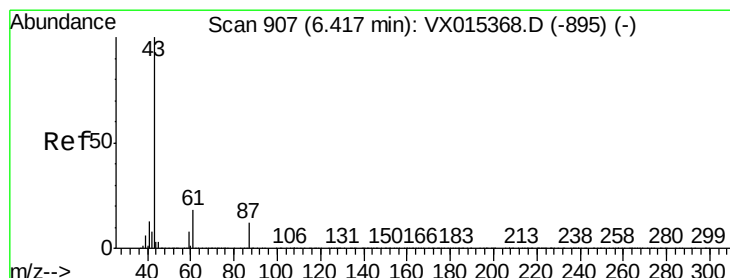
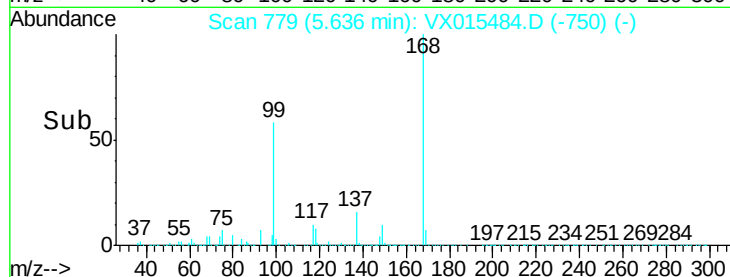
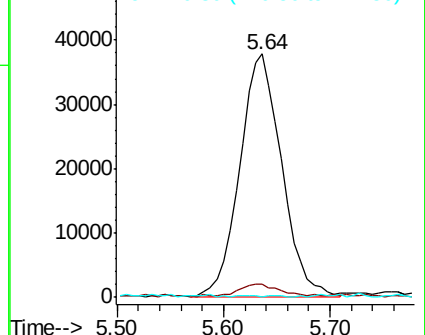
121 0.0 23.8 35.8#



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: 11.242 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

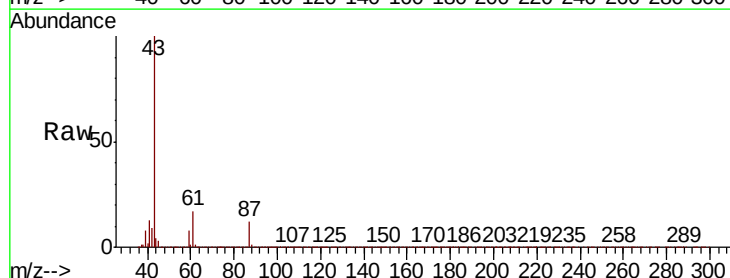
Tgt Ion: 43 Resp: 392570

Ion Ratio Lower Upper

43 100

61 18.2 14.8 22.2

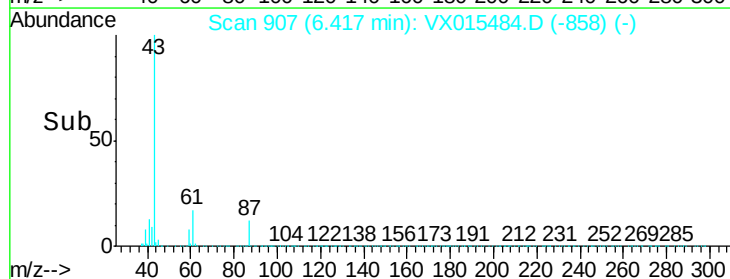
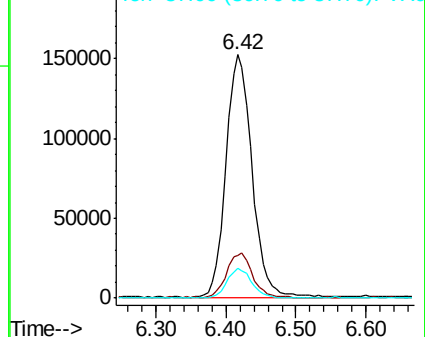
87 11.7 9.4 14.0

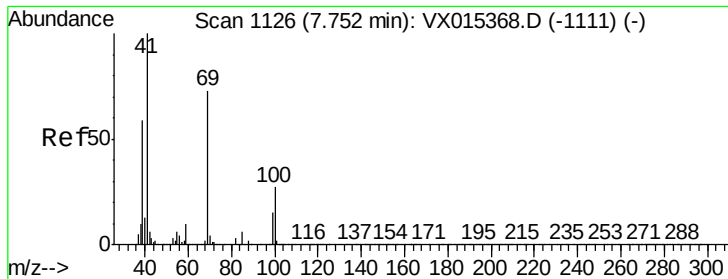


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.038 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. -0.09 min

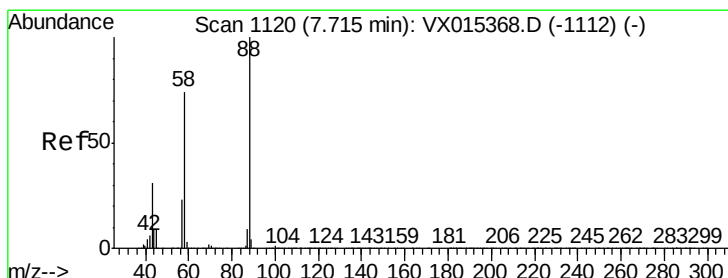
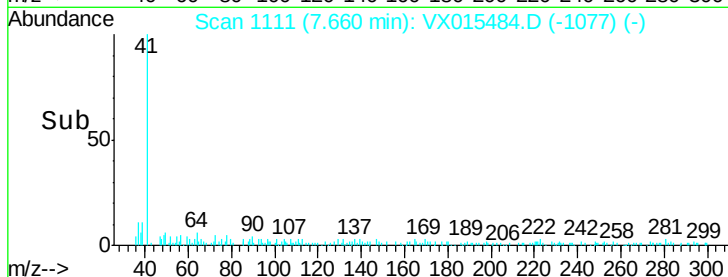
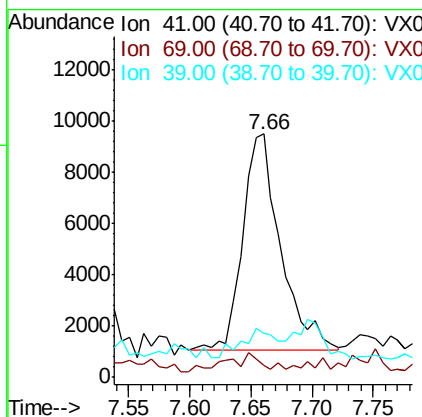
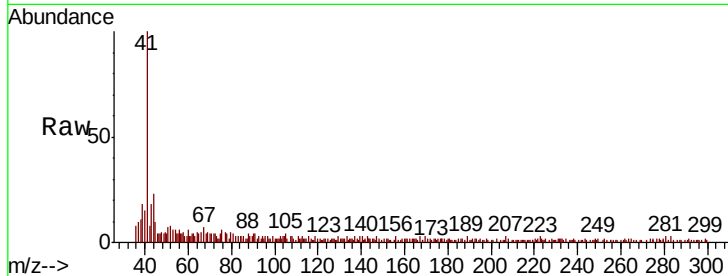
Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#06

Tot Ion: 41 Resp: 18096

Ion	Ratio	Lower	Upper
41	100		
69	2.5	56.7	85.1#
39	0.0	46.5	69.7#



#49

1,4-Dioxane

Concen: 1.149 ug/l

RT: 7.71 min Scan# 1119

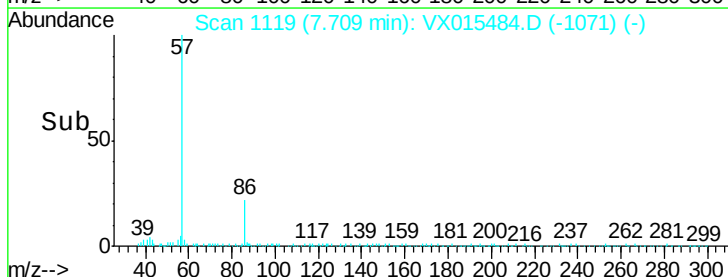
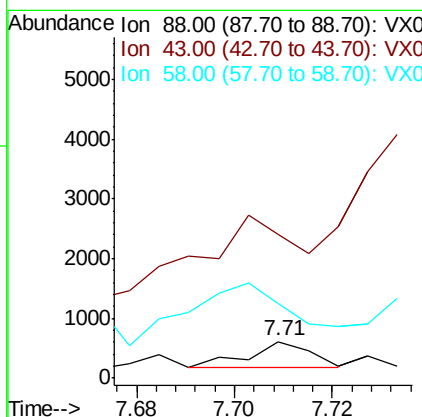
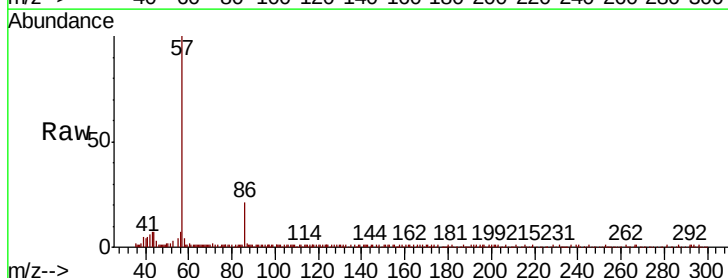
Delta R.T. -0.01 min

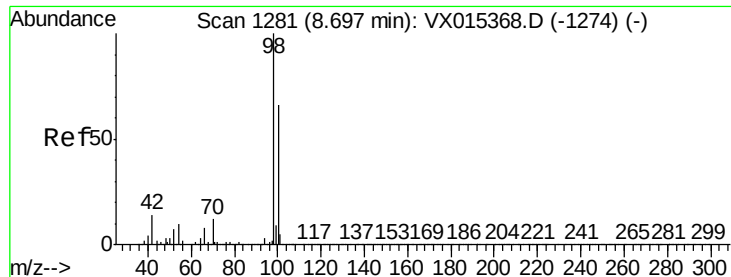
Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Tgt Ion: 88 Resp: 374

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	572.2	60.6	90.8#





#50

Toluene-d8

Concen: 51.368 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

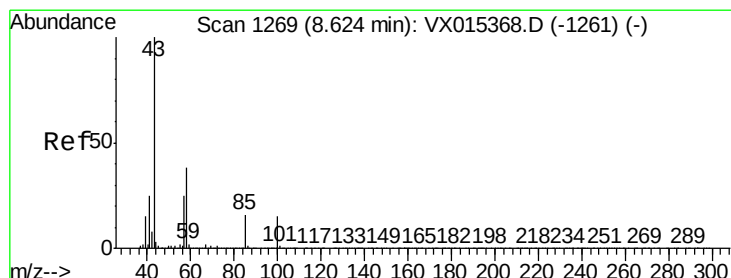
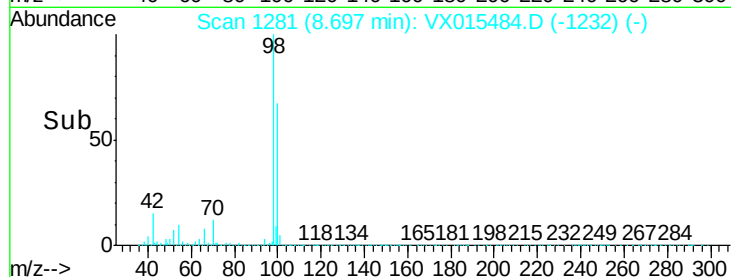
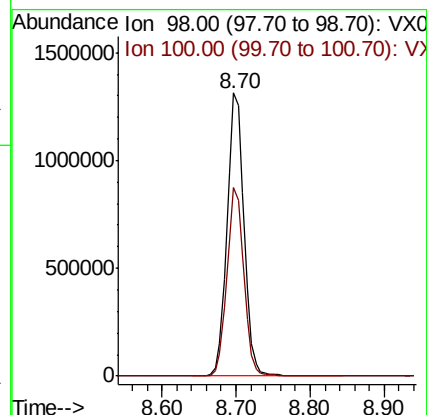
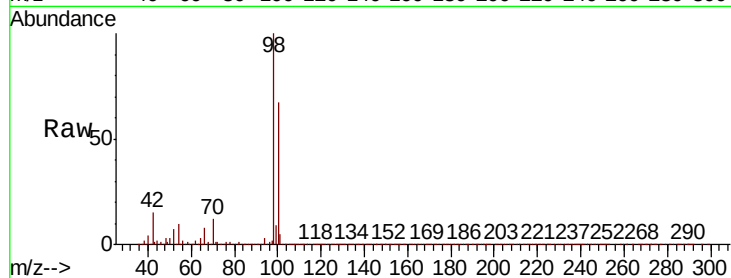
PB127948ZHE#06

Tot Ion: 98 Resp: 2084405

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 19.395 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015484.D

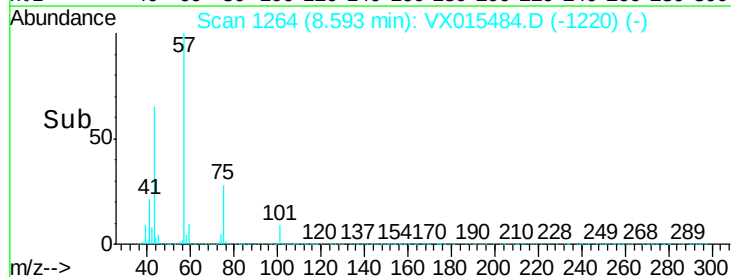
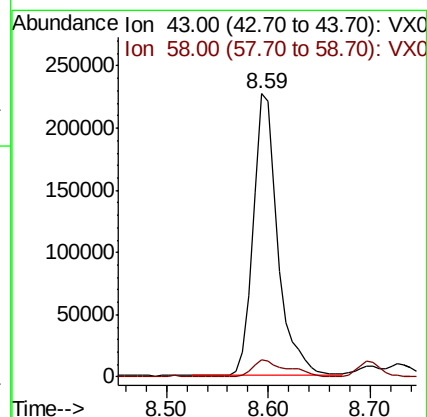
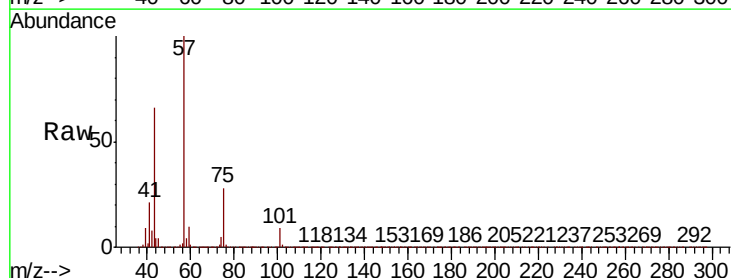
Acq: 02 Apr 2020 16:07

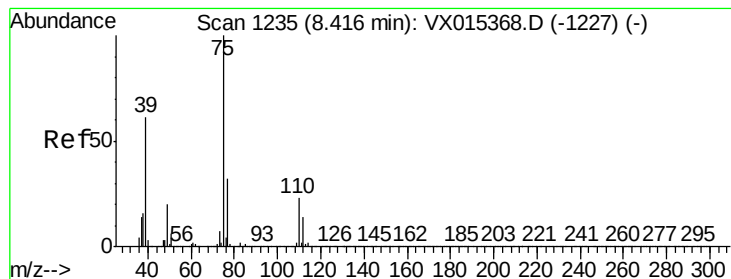
Tgt Ion: 43 Resp: 383807

Ion Ratio Lower Upper

43 100

58 8.3 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 7.239 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

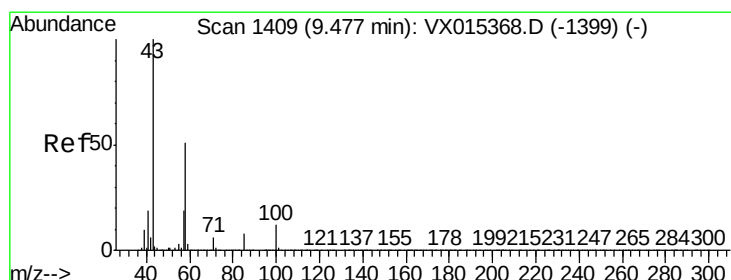
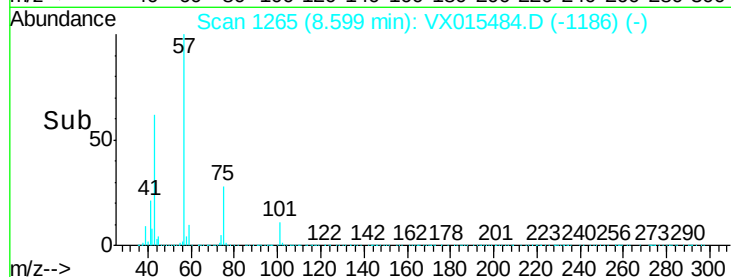
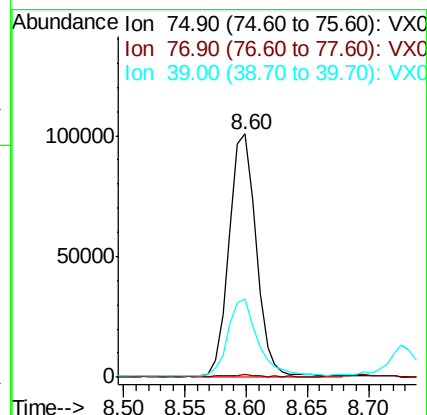
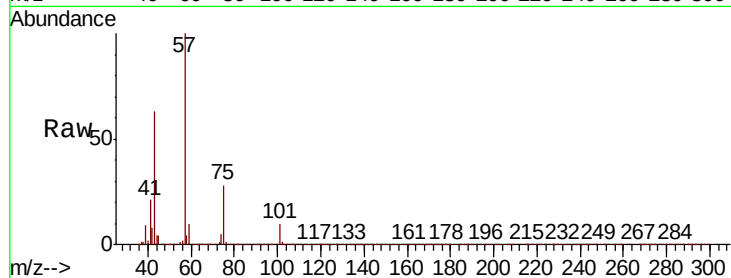
Tot Ion: 75 Resp: 153887

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.6#

39 31.3 49.0 73.4#



#59

2-Hexanone

Concen: 26.909 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015484.D

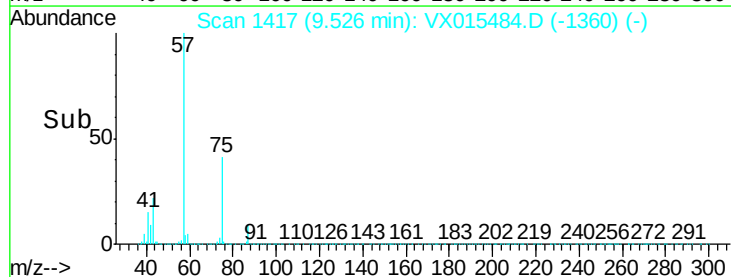
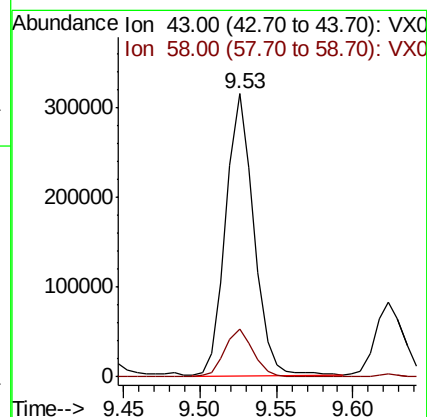
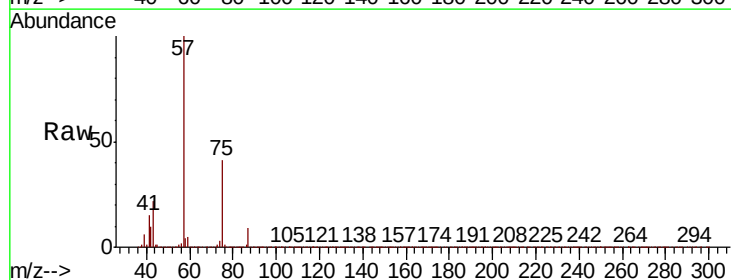
Acq: 02 Apr 2020 16:07

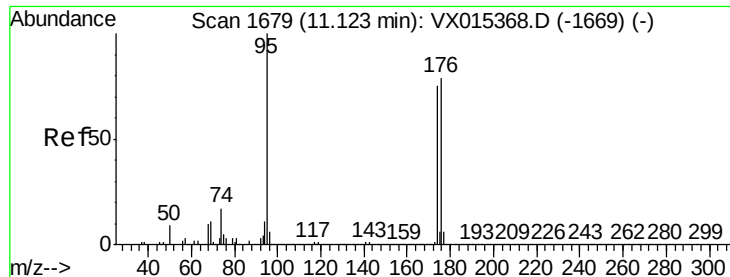
Tgt Ion: 43 Resp: 402030

Ion Ratio Lower Upper

43 100

58 17.1 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 53.105 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

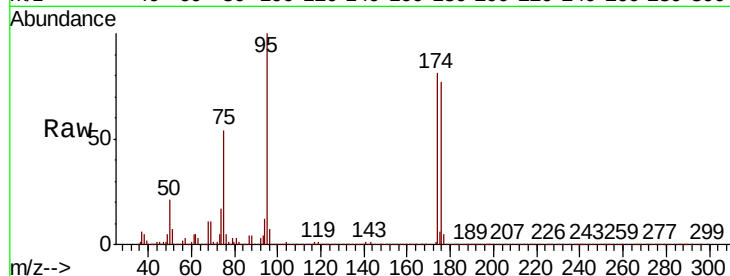
Tot Ion: 95 Resp: 875741

Ion Ratio Lower Upper

95 100

174 81.2 0.0 158.6

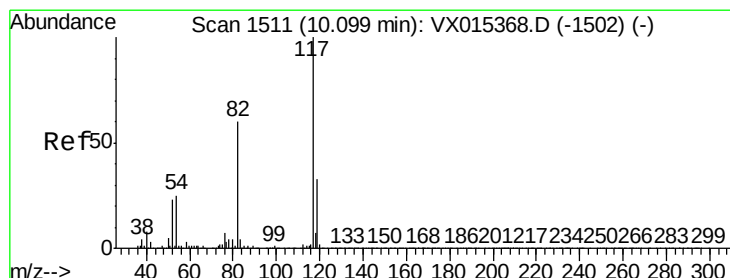
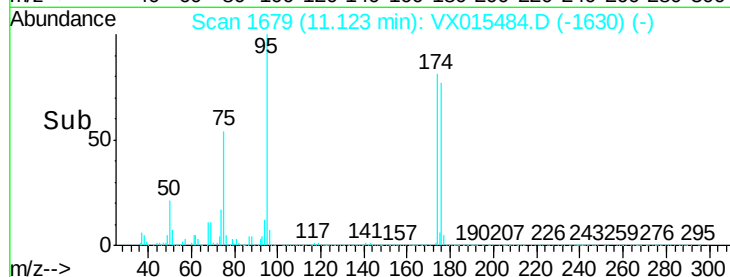
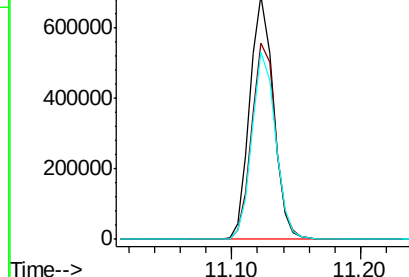
176 76.3 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

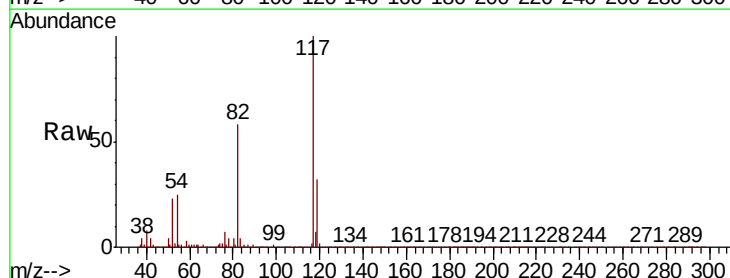
Tgt Ion: 117 Resp: 1603622

Ion Ratio Lower Upper

117 100

82 57.7 47.8 71.8

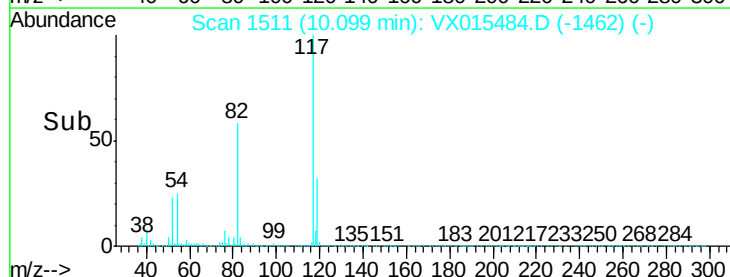
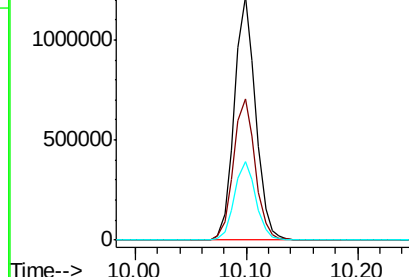
119 32.2 26.8 40.2

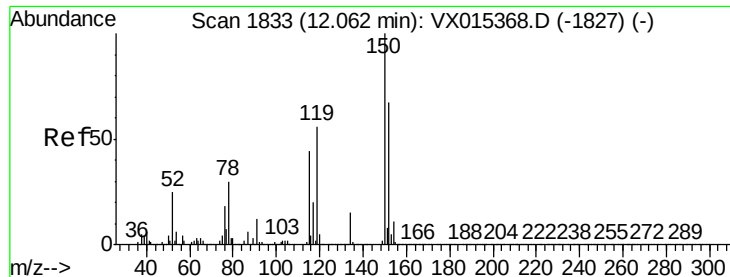


Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

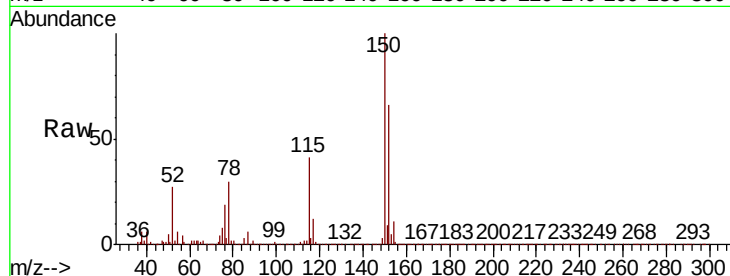
Tot Ion:152 Resp: 852235

Ion Ratio Lower Upper

152 100

115 60.7 39.0 116.9

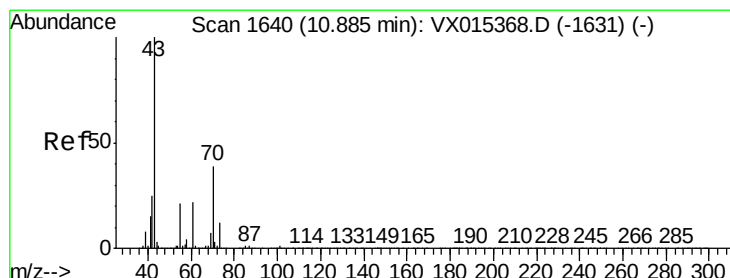
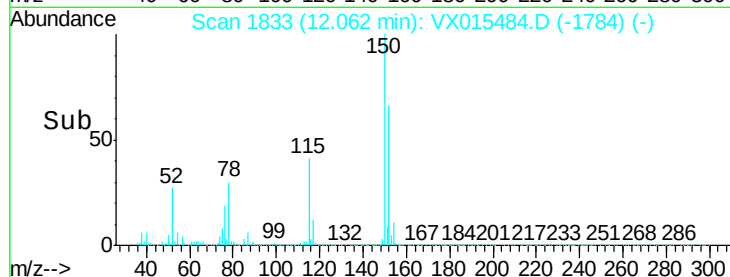
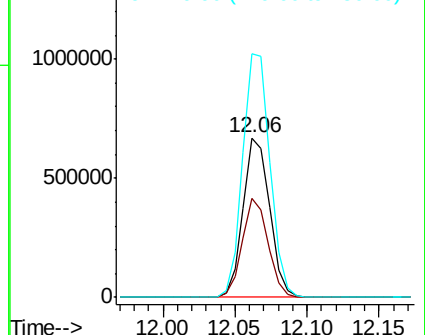
150 158.0 0.0 340.8



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



#74

N-amil acetate

Concen: 0.583 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Tgt Ion: 43 Resp: 18109

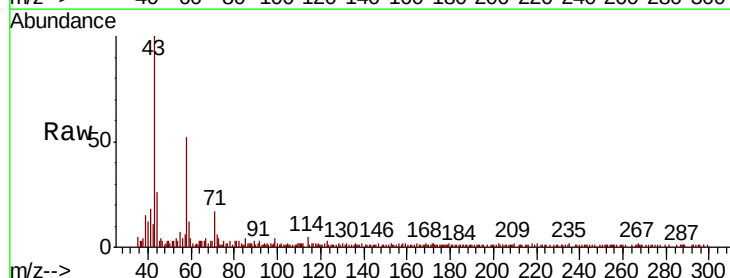
Ion Ratio Lower Upper

43 100

70 3.5 30.2 45.4#

55 6.6 16.8 25.2#

61 0.0 18.2 27.2#

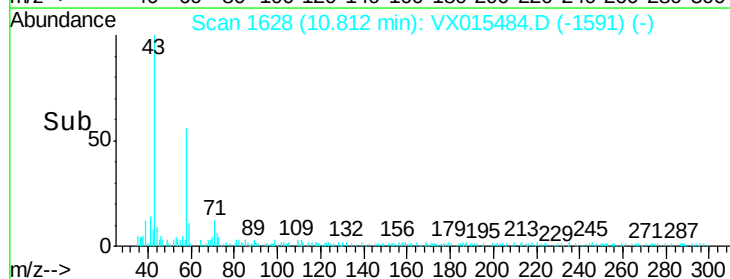
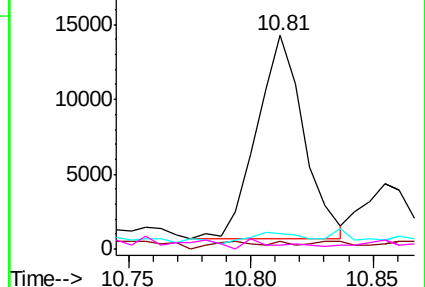


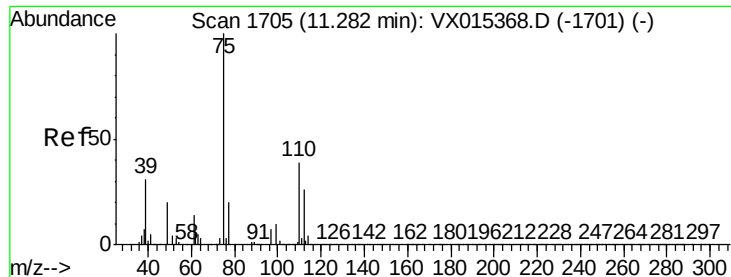
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

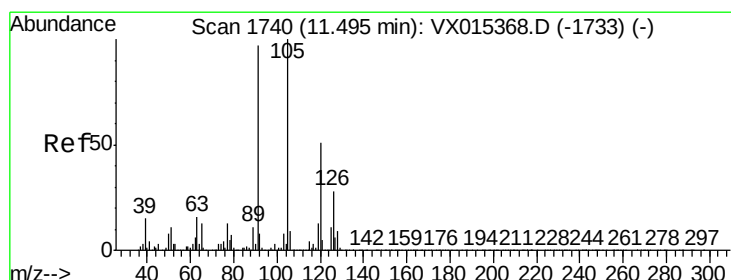
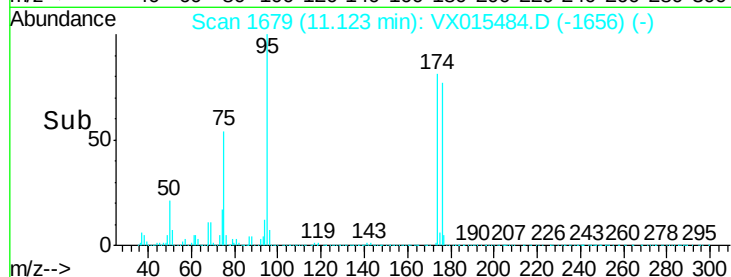
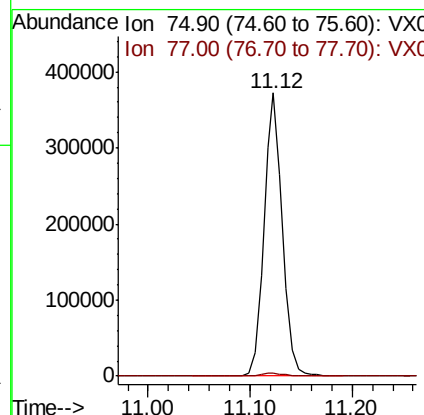
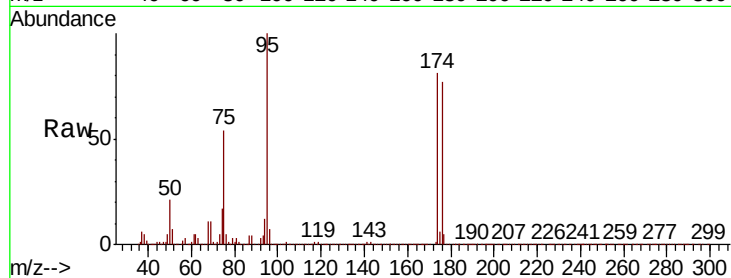




#76
 1,2,3-Trichloropropane
 Concen: 26.559 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

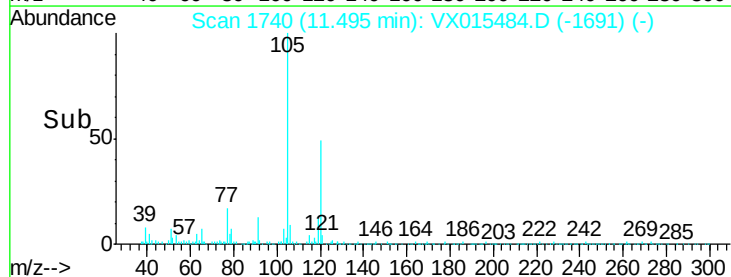
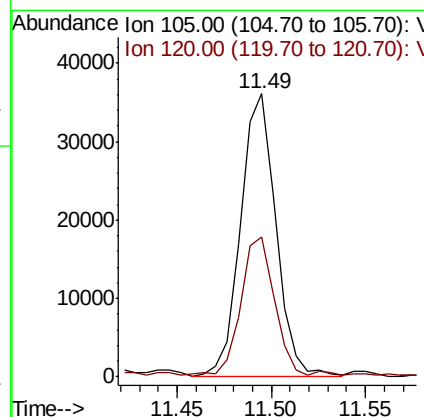
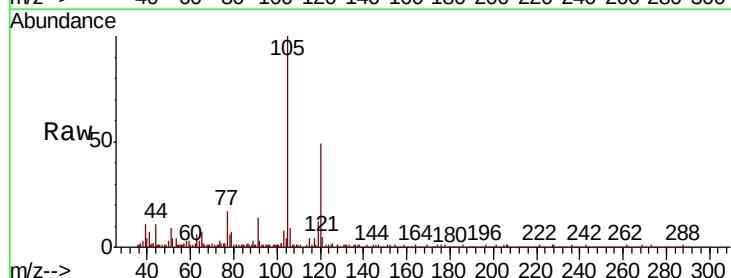
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#06

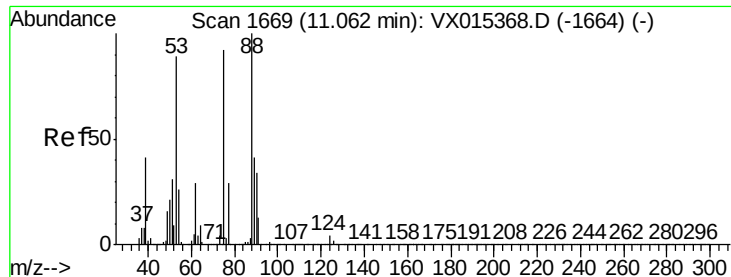
Tot Ion: 75 Resp: 465459
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.989 ug/l
 RT: 11.49 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VX015484.D
 Acq: 02 Apr 2020 16:07

Tgt Ion: 105 Resp: 47145
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 63.727 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015484.D

Acq: 02 Apr 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#06

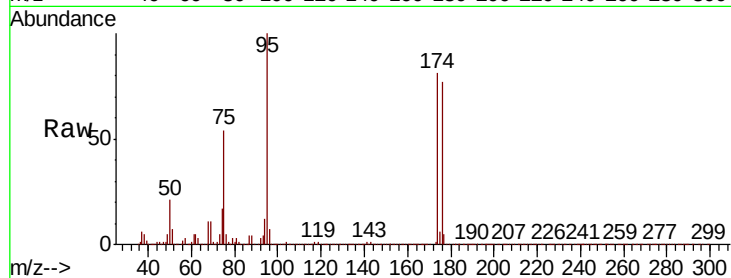
Tot Ion: 75 Resp: 465459

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



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

