

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015481.D
 Acq On : 02 Apr 2020 14:59
 Operator : JC/SP
 Sample : PB127948ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#03

Quant Time: Apr 03 08:01:20 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	1080216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1769841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1690083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	903547	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	735024	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.47	113	561656	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	8.70	98	2127371	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.12	95	916950	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	

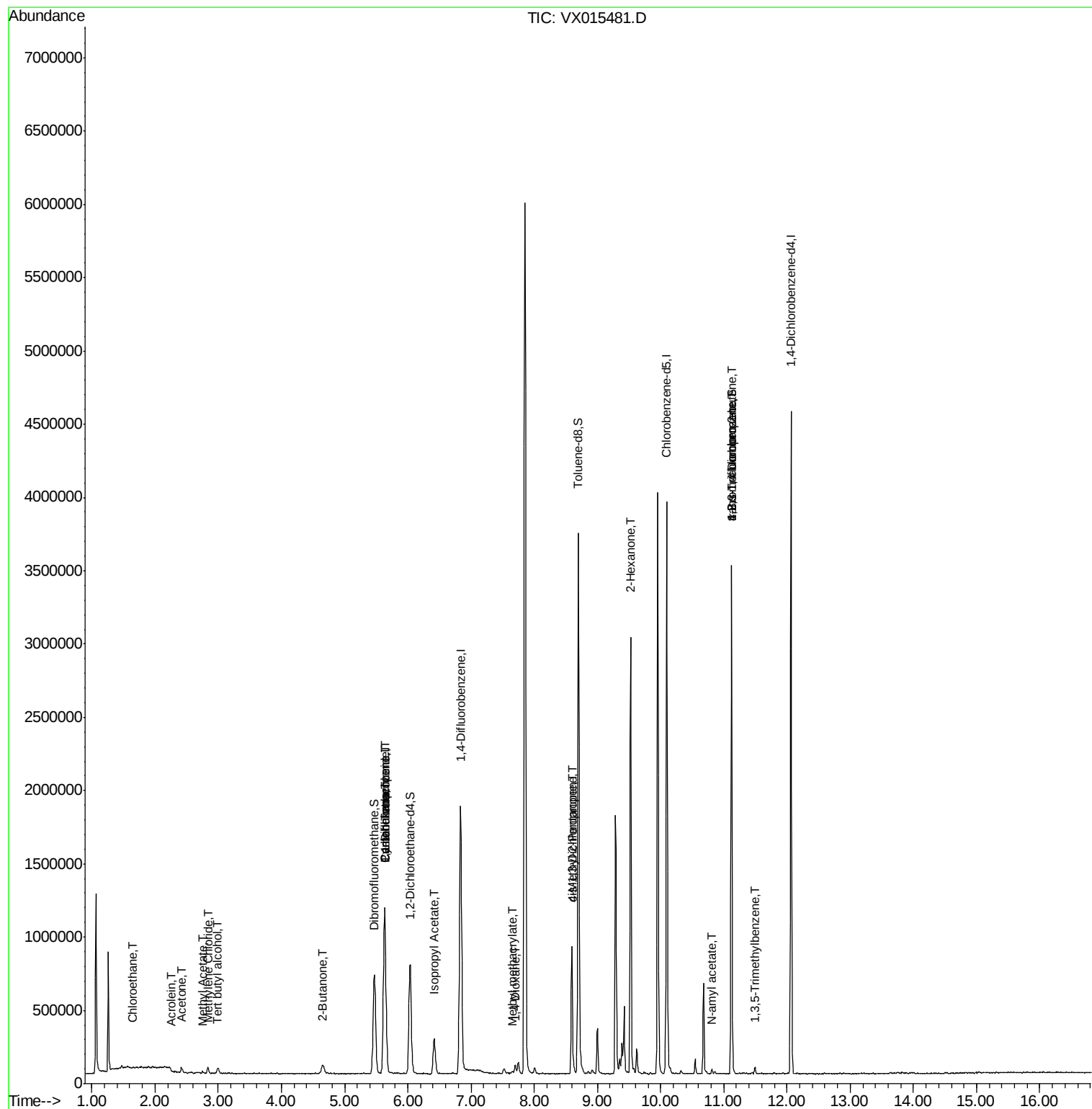
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1474	Below Cal	#	3
6) Chloroethane	1.65	64	2494	0.361	ug/l #	63
11) Tert butyl alcohol	3.00	59	24385	6.687	ug/l #	82
13) Acrolein	2.27	56	480	0.231	ug/l #	57
16) Acetone	2.42	43	45556	6.960	ug/l	94
18) Methyl Acetate	2.75	43	13897	0.832	ug/l #	81
20) Methylene Chloride	2.84	84	18097	1.480	ug/l	92
25) 2-Butanone	4.65	43	19510	1.853	ug/l #	84
31) Cyclohexane	5.63	56	26407	1.369	ug/l #	7
36) 1,1-Dichloropropene	5.64	75	83426	5.116	ug/l #	53
38) Carbon Tetrachloride	5.64	117	104161	5.897	ug/l #	15
43) Isopropyl Acetate	6.42	43	364617	10.172	ug/l	98
48) Methyl methacrylate	7.65	41	19739	1.103	ug/l #	21
49) 1,4-Dioxane	7.71	88	134	0.401	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	334551	16.470	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	136663	6.263	ug/l #	53
59) 2-Hexanone	9.53	43	372900	24.315	ug/l #	50
74) N-amyl acetate	10.81	43	17619	0.535	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	465029	25.027	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	17969	0.355	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.12	75	465029	60.052	ug/l #	10

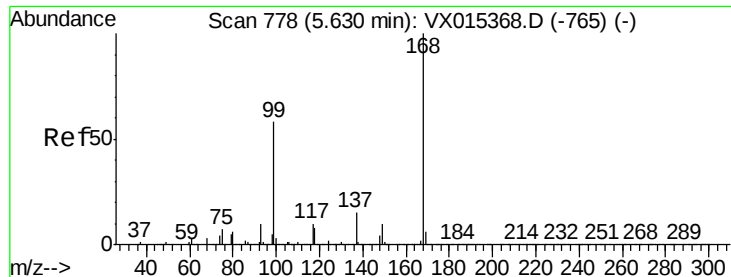
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Apr 03 08:01:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

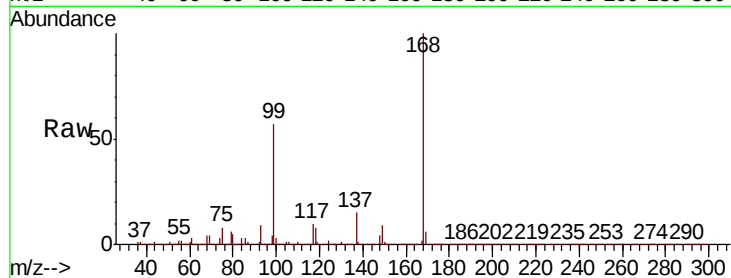
PB127948ZHE#03

Tot Ion:168 Resp: 1080216

Ion Ratio Lower Upper

168 100

99 56.5 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

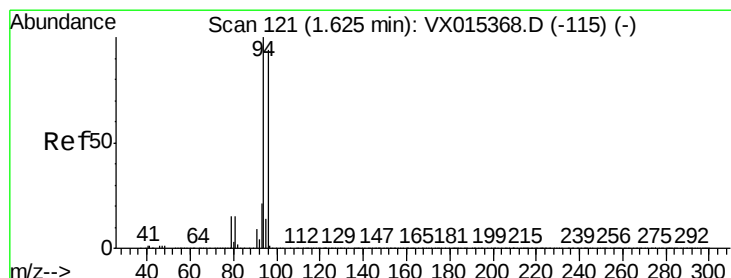
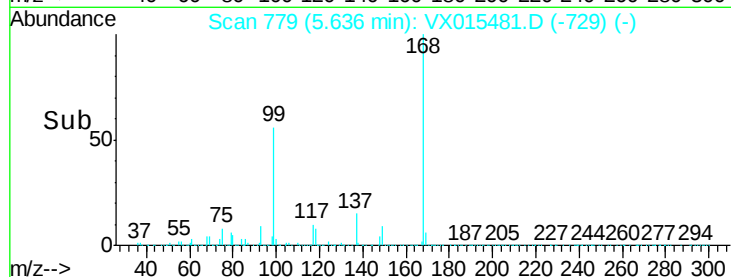
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015481.D

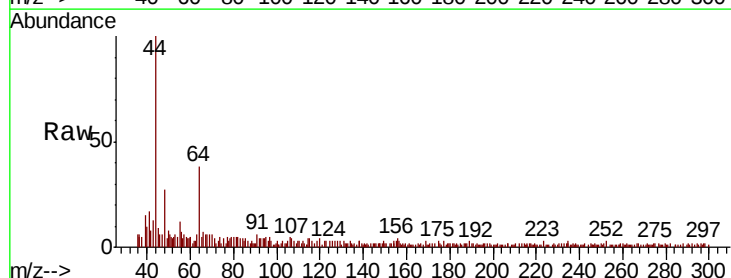
Acq: 02 Apr 2020 14:59

Tgt Ion: 94 Resp: 1474

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

800

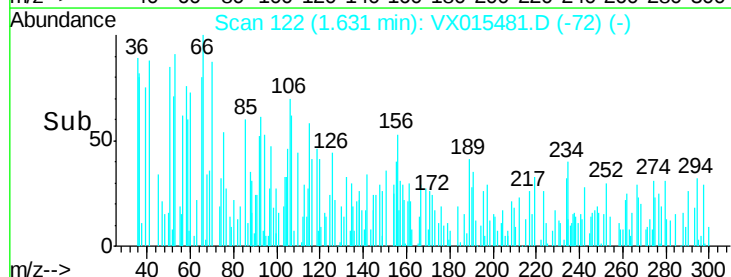
600

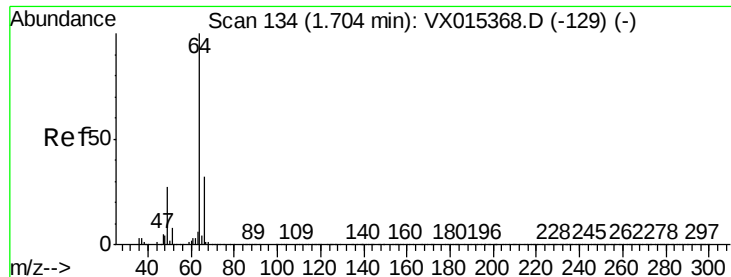
400

200

0

Time-->





#6

Chloroethane

Concen: 0.361 ug/l

RT: 1.65 min Scan# 125

Delta R.T. -0.05 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

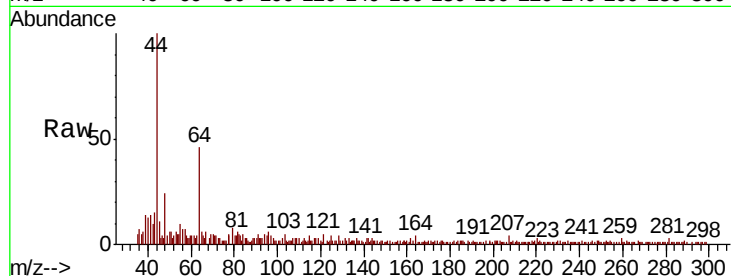
PB127948ZHE#03

Tot Ion: 64 Resp: 2494

Ion Ratio Lower Upper

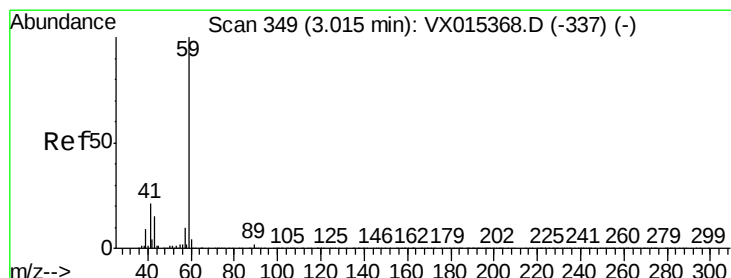
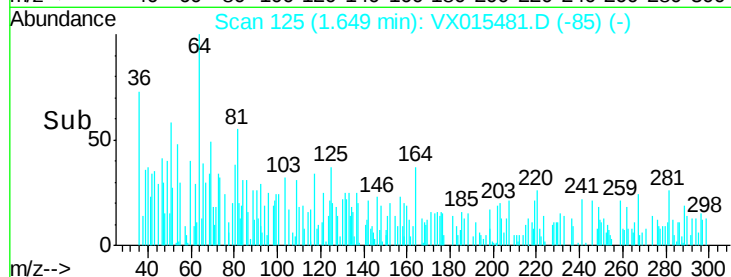
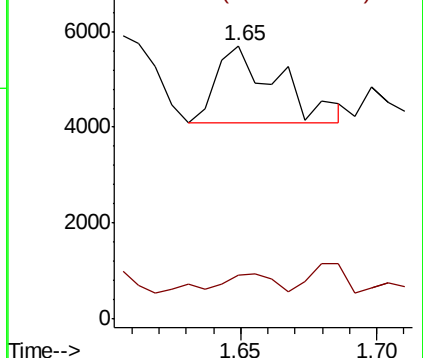
64 100

66 11.1 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 6.687 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015481.D

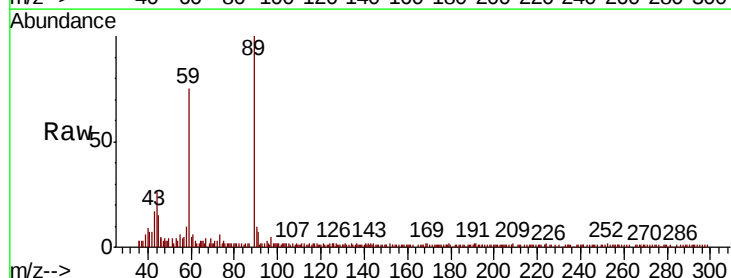
Acq: 02 Apr 2020 14:59

Tgt Ion: 59 Resp: 24385

Ion Ratio Lower Upper

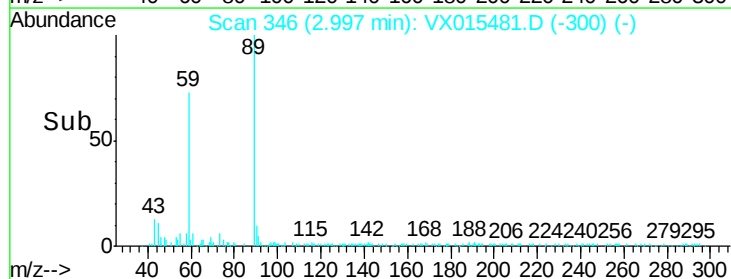
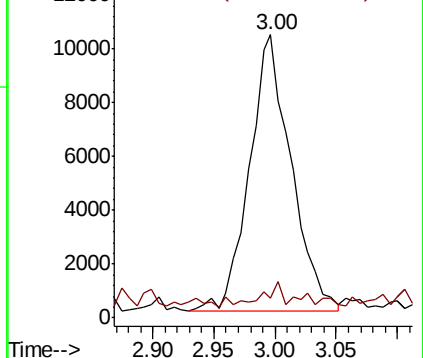
59 100

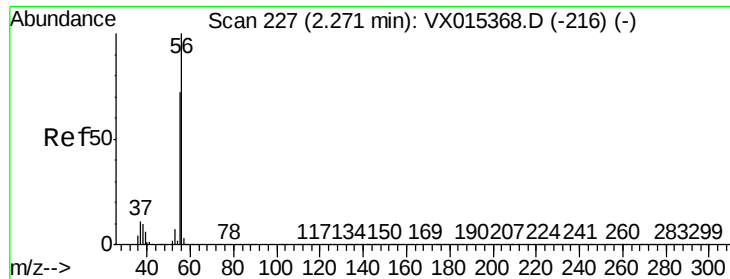
57 3.5 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

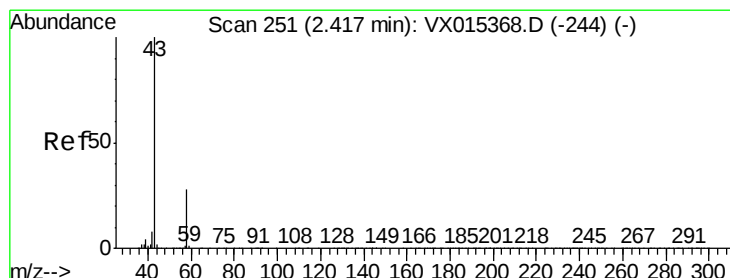
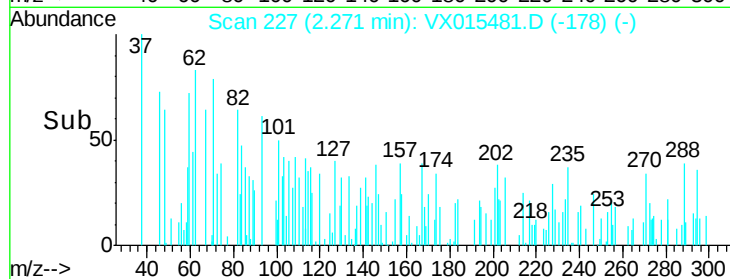
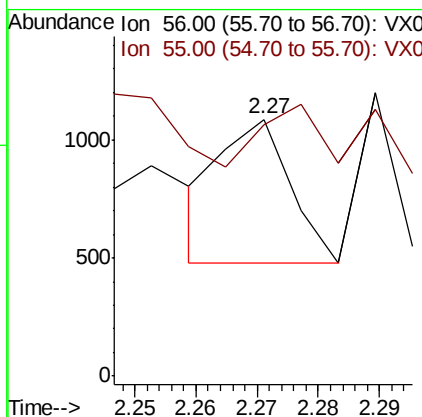
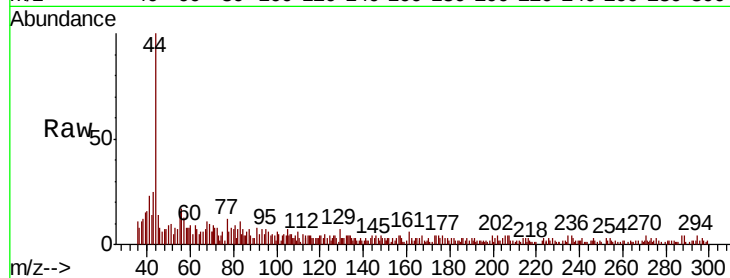




#13
Acrolein
Concen: 0.231 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

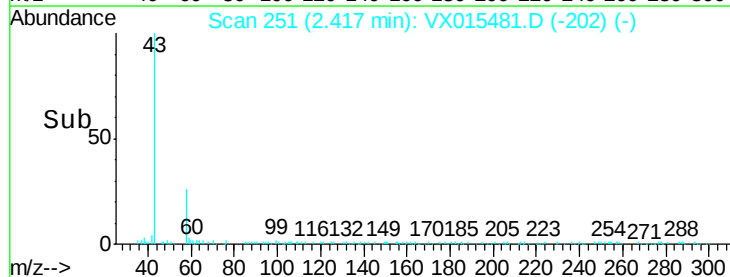
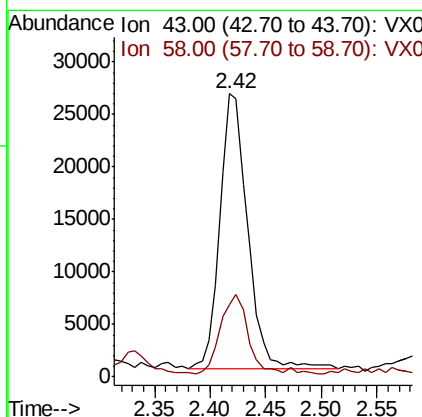
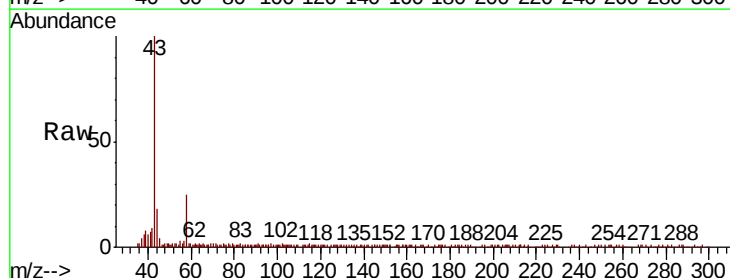
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#03

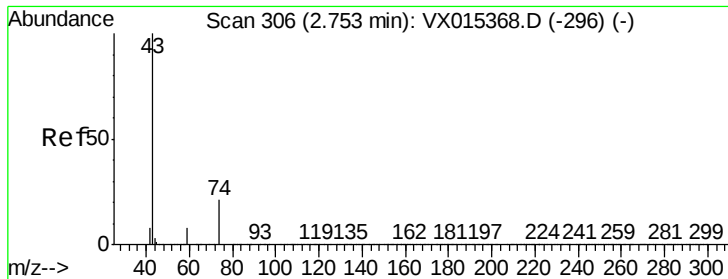
Tot Ion: 56 Resp: 480
Ion Ratio Lower Upper
56 100
55 106.7 57.0 85.4#



#16
Acetone
Concen: 6.960 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

Tgt Ion: 43 Resp: 45556
Ion Ratio Lower Upper
43 100
58 24.7 22.1 33.1

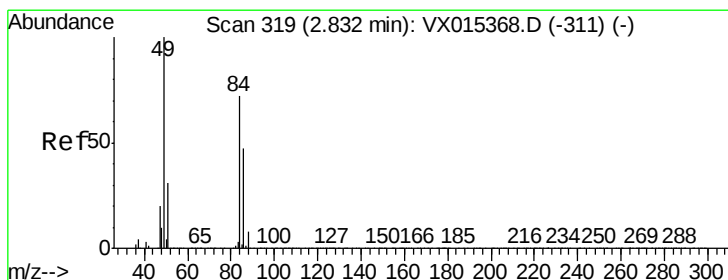
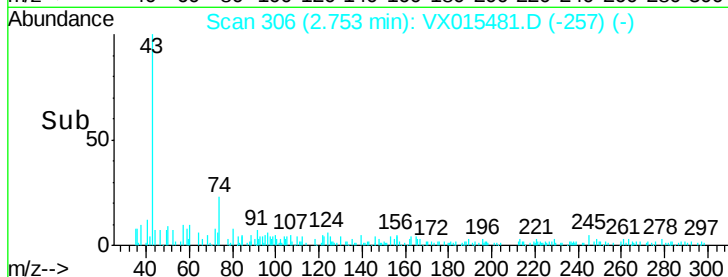
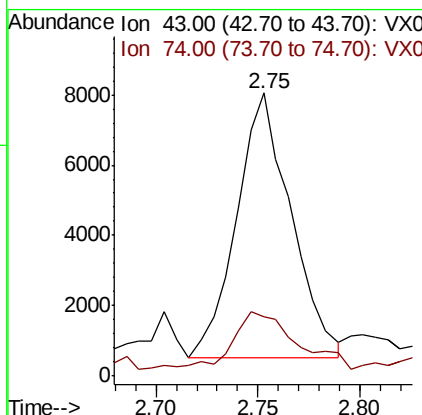
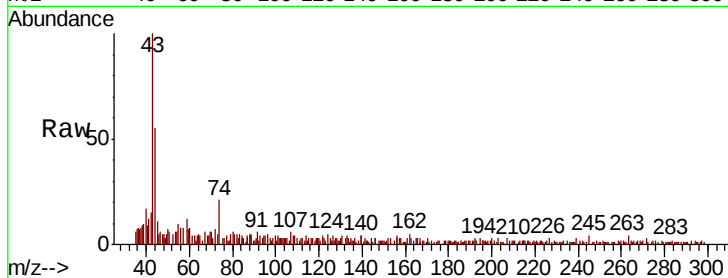




#18
Methyl Acetate
Concen: 0.832 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

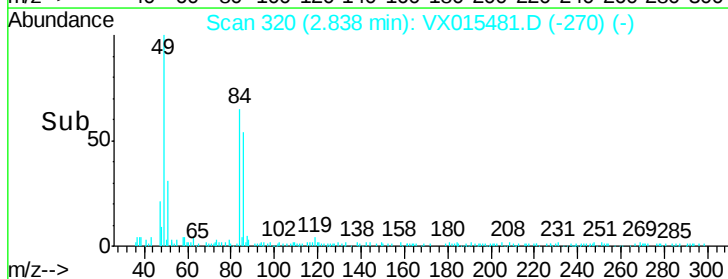
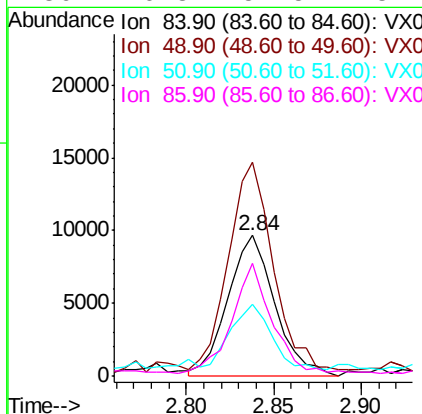
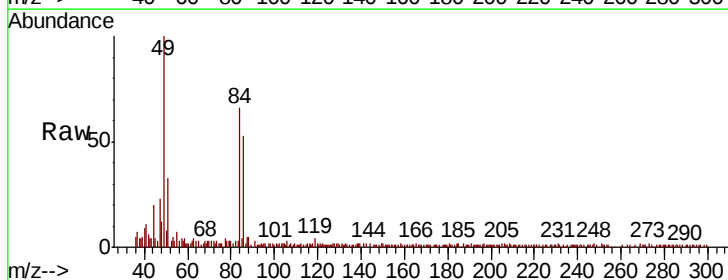
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#03

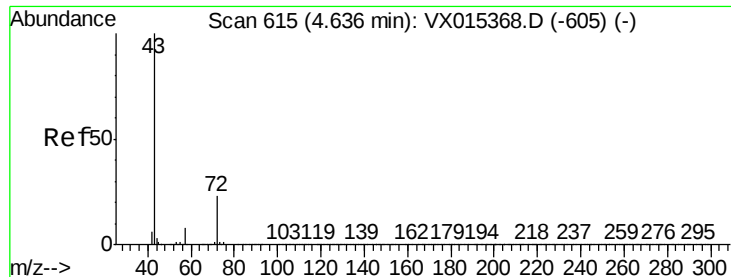
Tot Ion: 43 Resp: 13897
Ion Ratio Lower Upper
43 100
74 29.3 16.5 24.7#



#20
Methylene Chloride
Concen: 1.480 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

Tgt Ion: 84 Resp: 18097
Ion Ratio Lower Upper
84 100
49 147.6 111.3 166.9
51 42.2 34.0 51.0
86 76.8 52.5 78.7





#25

2-Butanone

Concen: 1.853 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

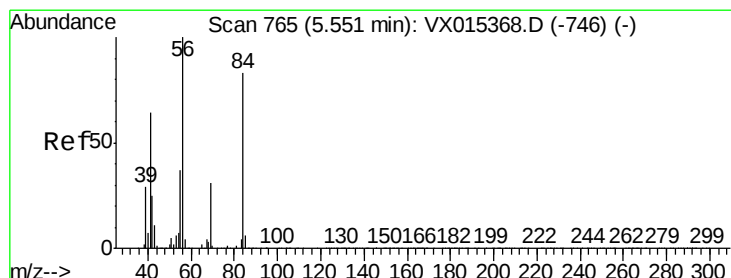
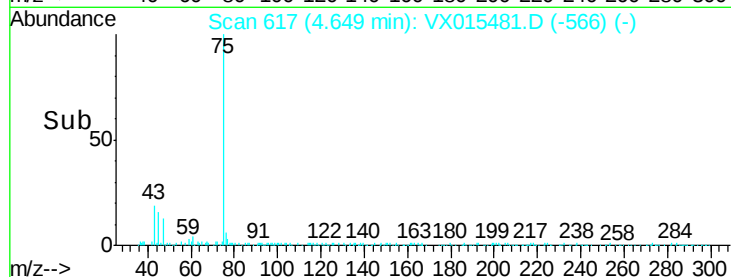
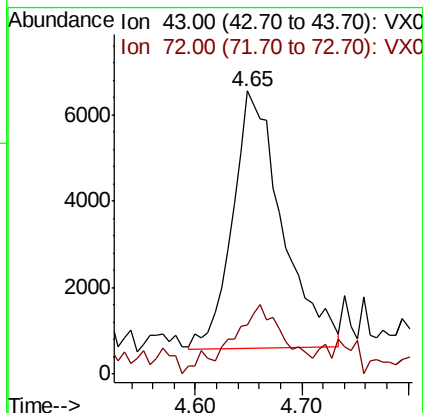
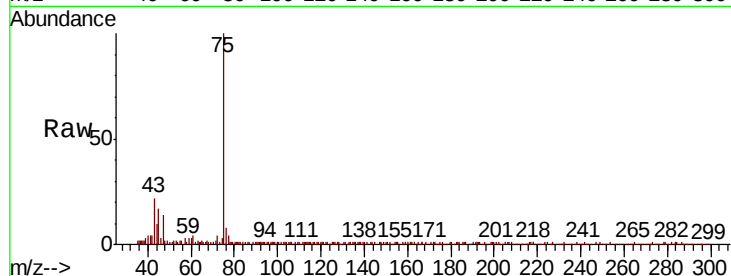
PB127948ZHE#03

Tot Ion: 43 Resp: 19510

Ion Ratio Lower Upper

43 100

72 16.0 19.0 28.4#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

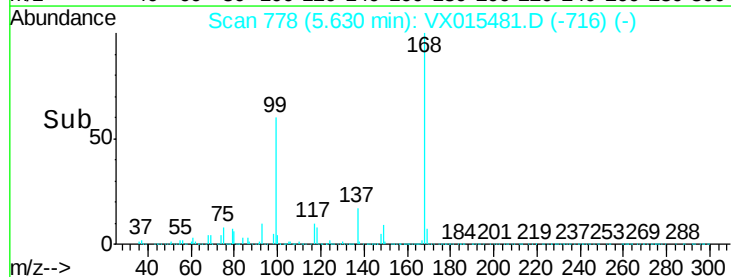
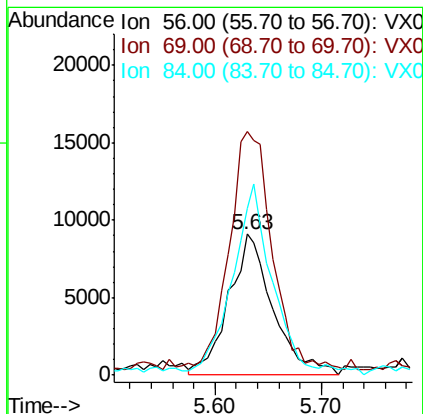
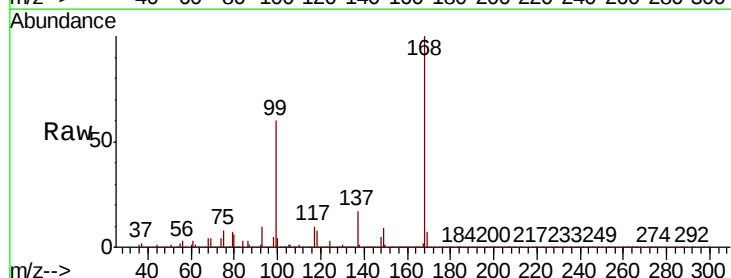
Tgt Ion: 56 Resp: 26407

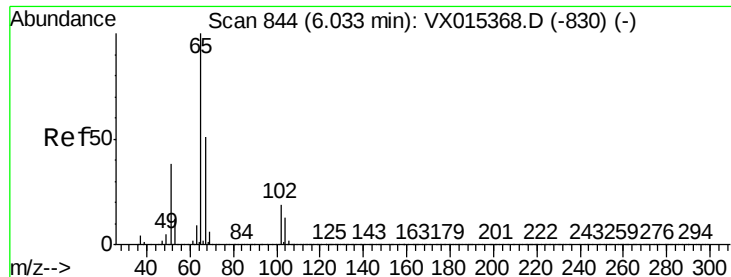
Ion Ratio Lower Upper

56 100

69 164.2 24.6 36.8#

84 115.3 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.245 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

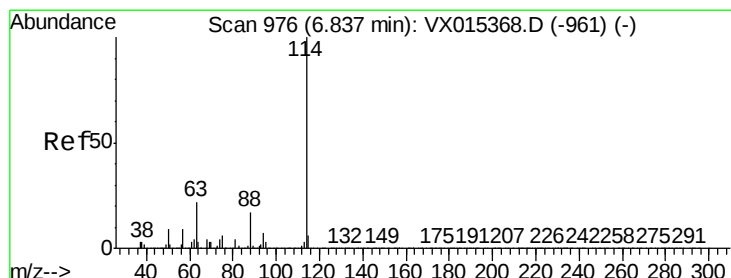
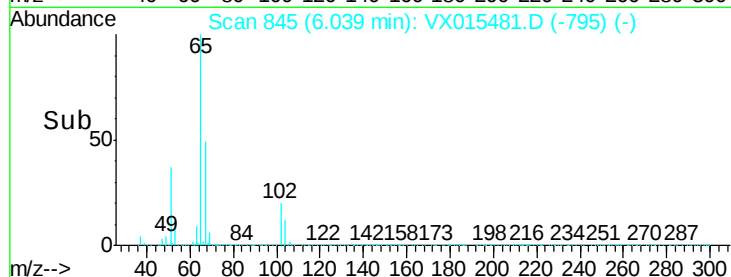
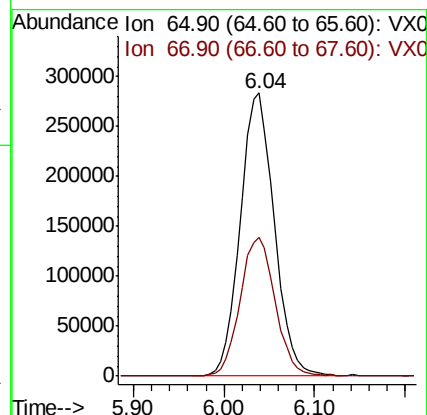
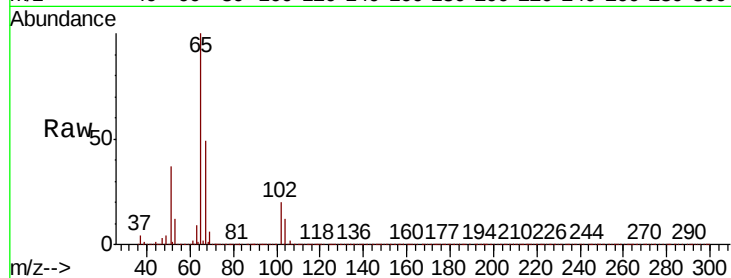
PB127948ZHE#03

Tot Ion: 65 Resp: 735024

Ion Ratio Lower Upper

65 100

67 50.1 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: VX015481.D

Acq: 02 Apr 2020 14:59

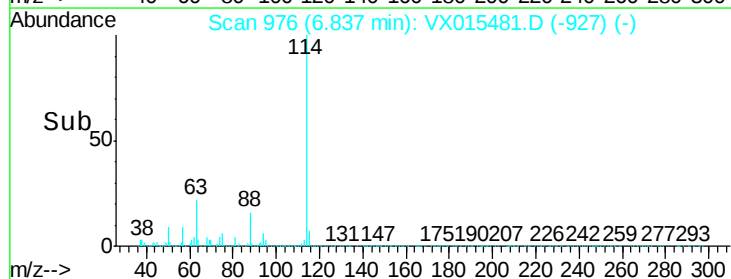
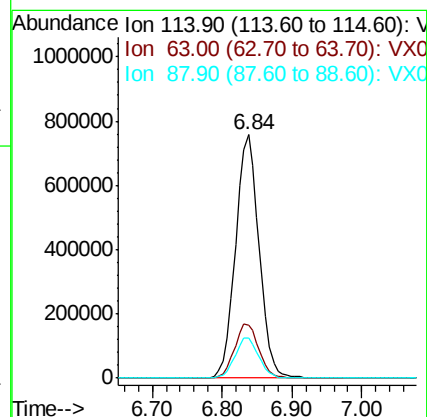
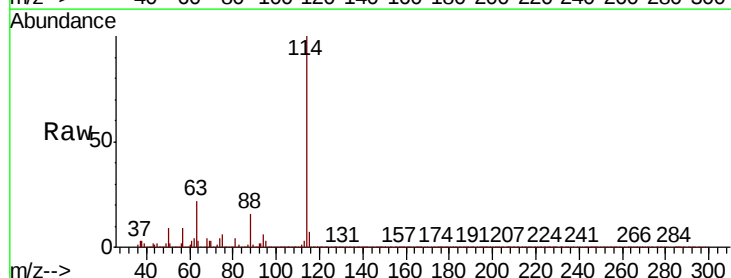
Tgt Ion: 114 Resp: 1769841

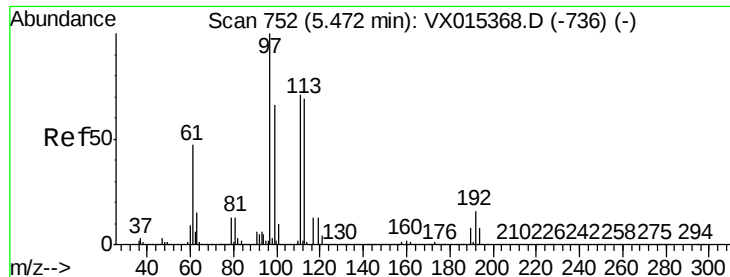
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.2

88 16.5 0.0 33.8

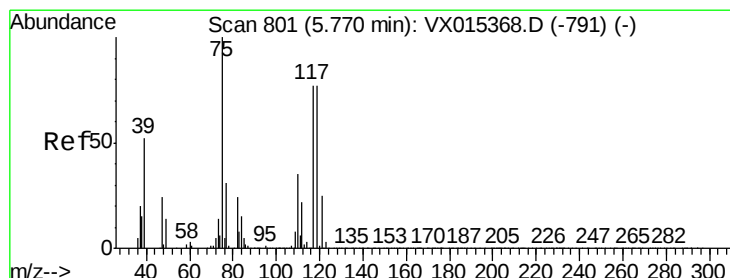
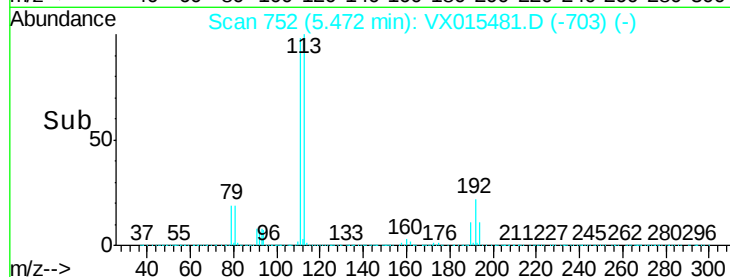
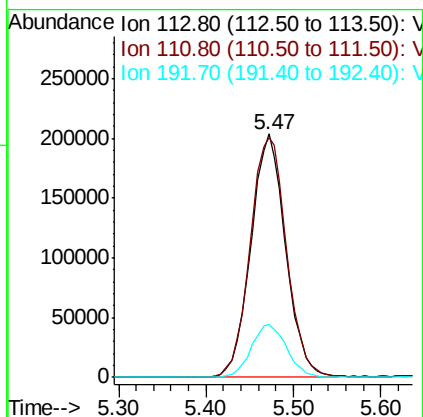
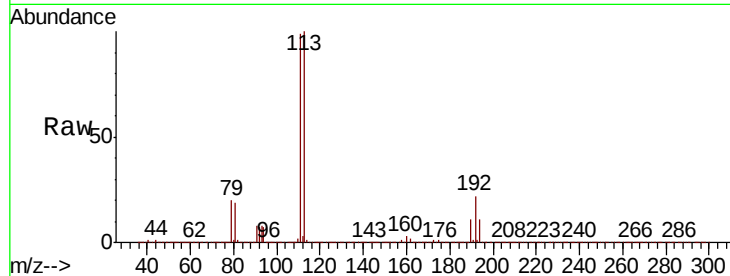




#35
 Dibromofluoromethane
 Concen: 49.646 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015481.D
 Acq: 02 Apr 2020 14:59

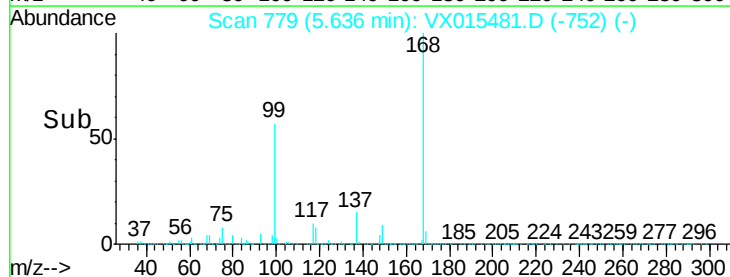
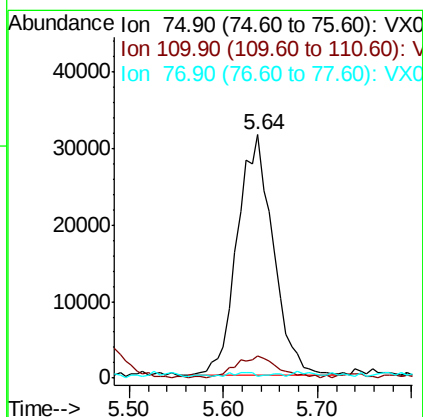
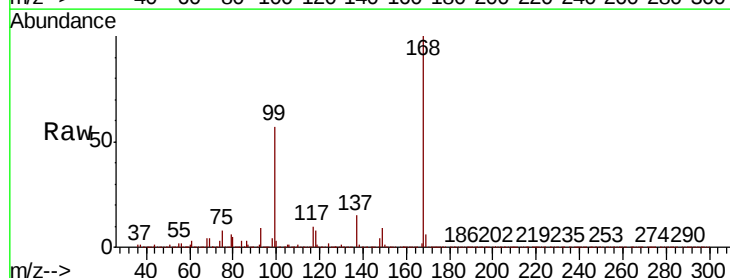
Instrument :
 MSVOA_X
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 PB127948ZHE#03

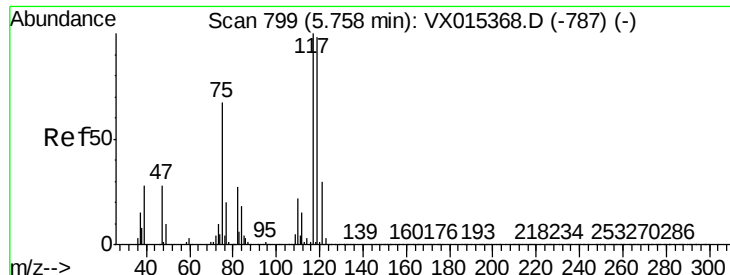
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	22.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.116 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015481.D
 Acq: 02 Apr 2020 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.1	51.3#
77	1.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#03

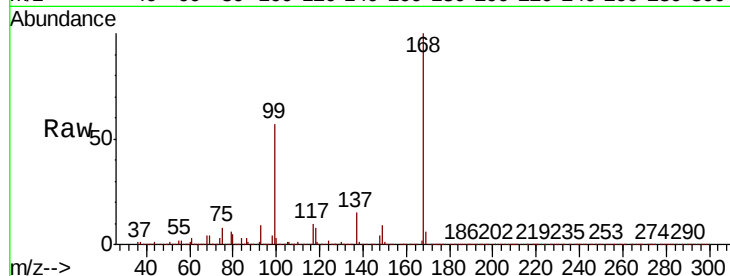
Tot Ion:117 Resp: 104161

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

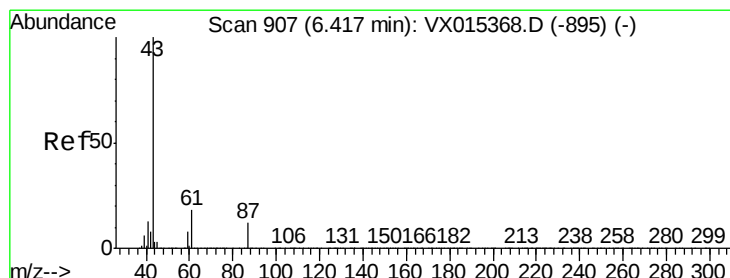
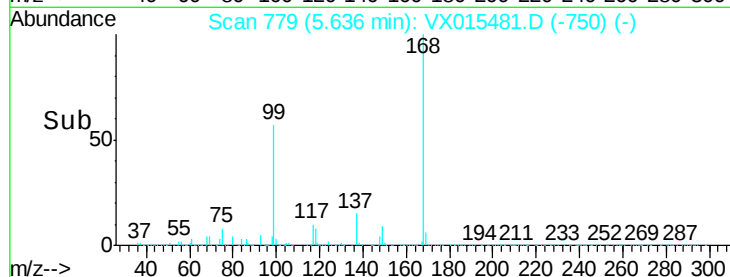
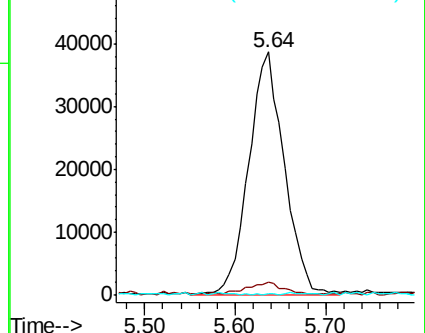
121 0.0 23.8 35.8#



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: 10.172 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

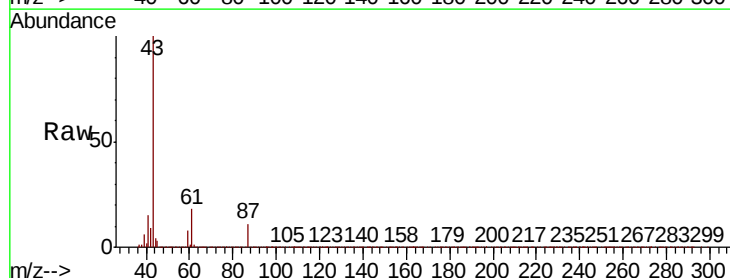
Tgt Ion: 43 Resp: 364617

Ion Ratio Lower Upper

43 100

61 17.7 14.8 22.2

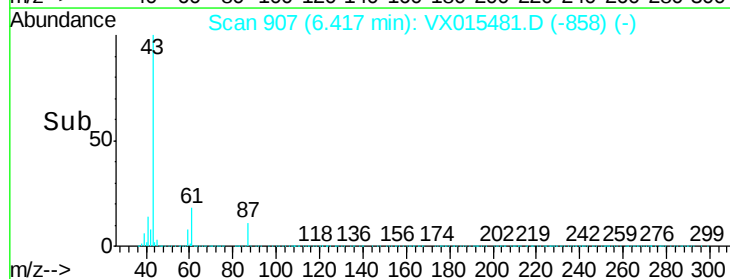
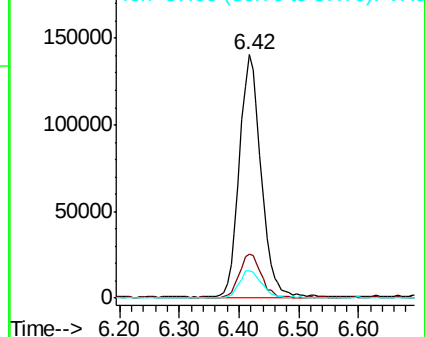
87 11.1 9.4 14.0

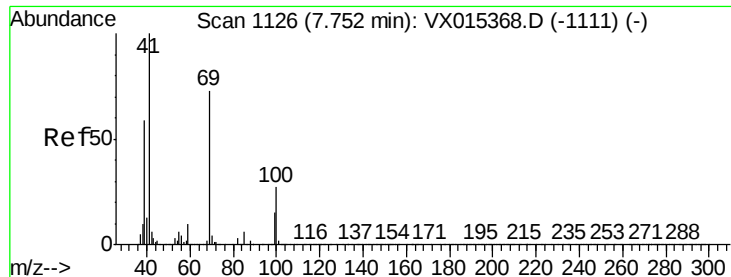


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

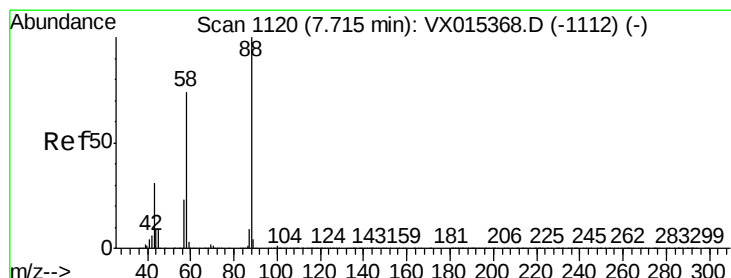
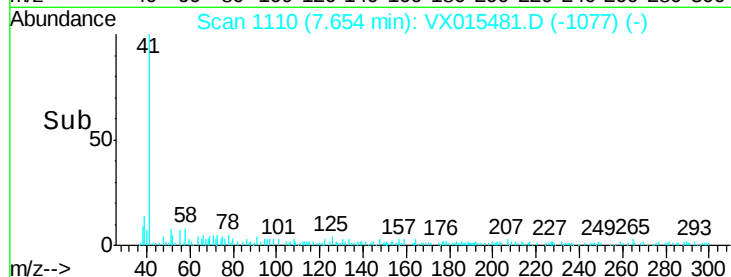
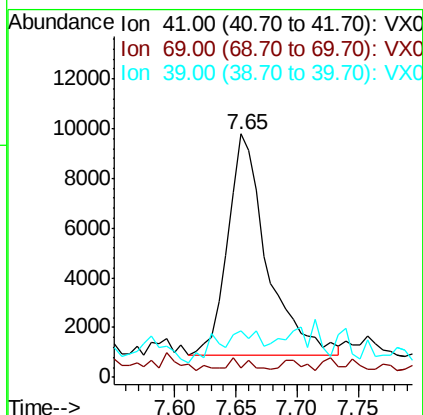
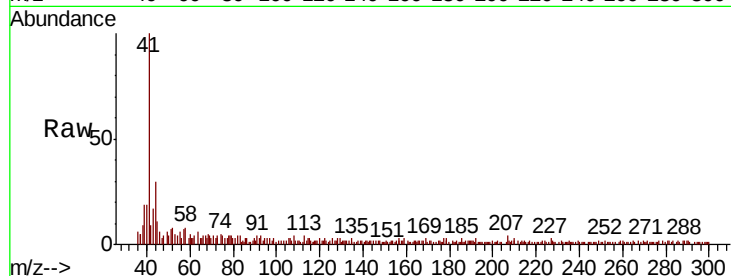




#48
Methvl methacrylate
Concen: 1.103 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

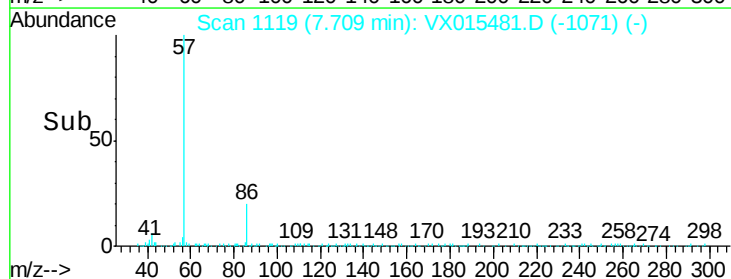
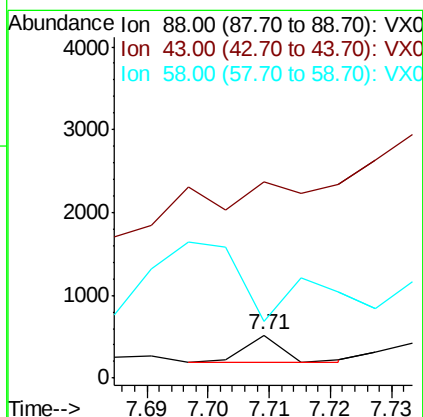
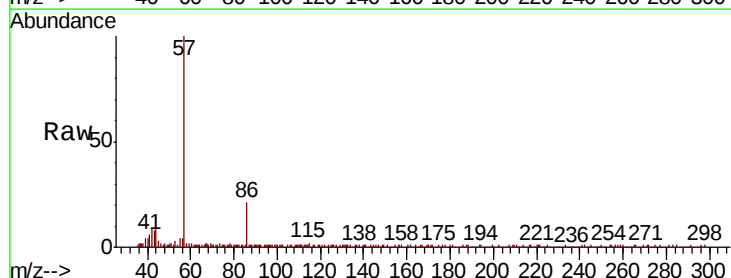
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#03

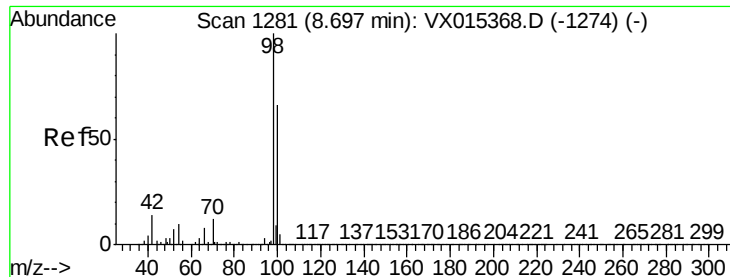
Tot Ion: 41 Resp: 19739
Ion Ratio Lower Upper
41 100
69 4.3 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 0.401 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 1646.3 60.6 90.8#





#50

Toluene-d8

Concen: 51.074 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

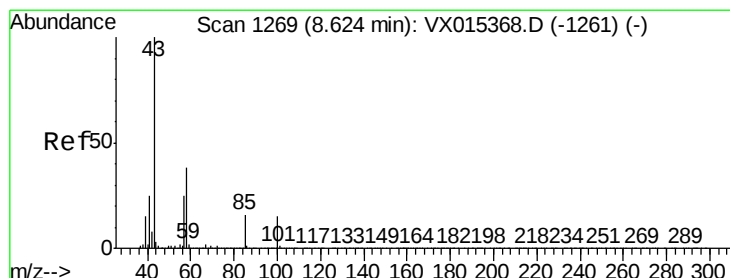
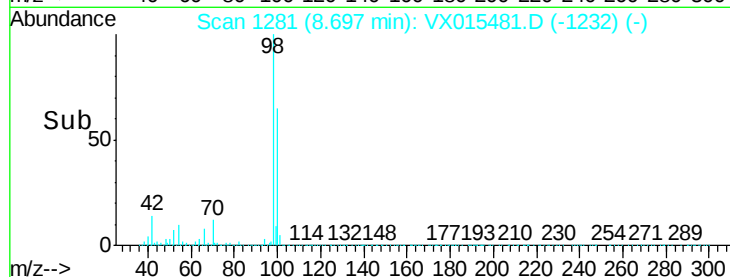
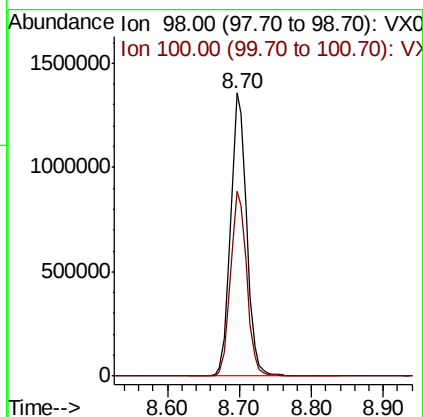
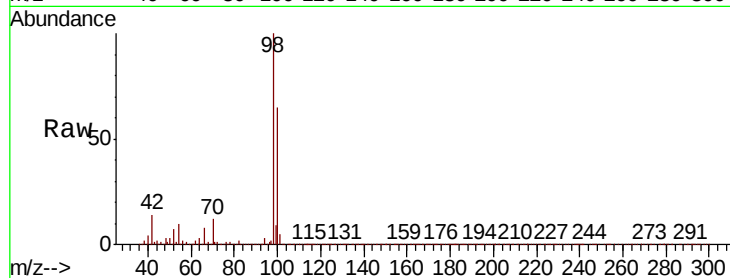
PB127948ZHE#03

Tot Ion: 98 Resp: 2127371

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 16.470 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015481.D

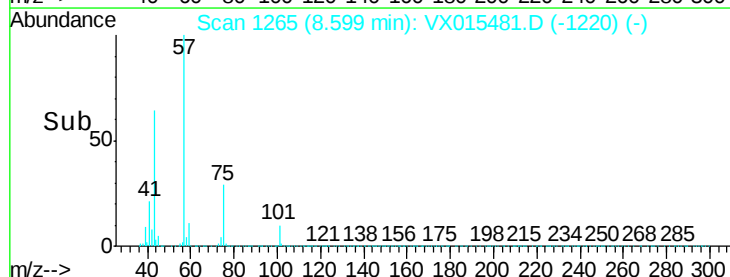
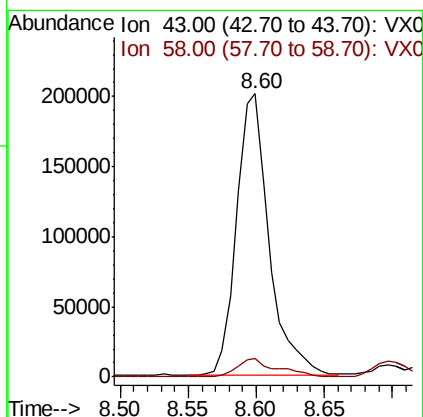
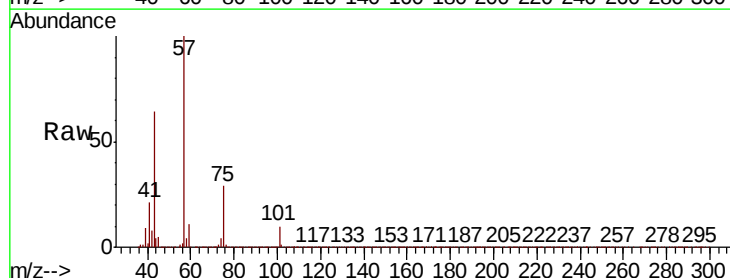
Acq: 02 Apr 2020 14:59

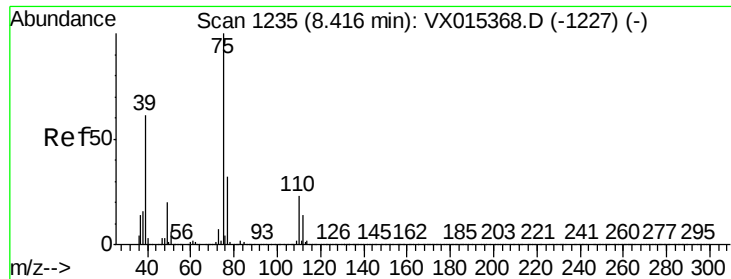
Tgt Ion: 43 Resp: 334551

Ion Ratio Lower Upper

43 100

58 8.5 29.7 44.5#



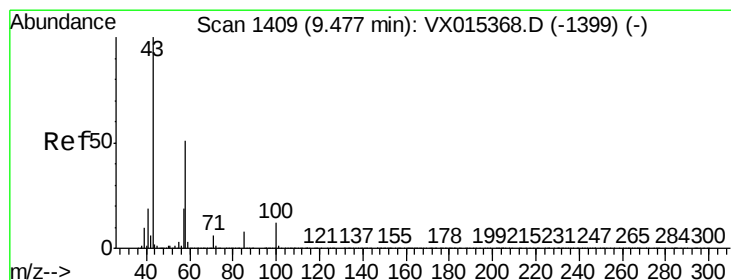
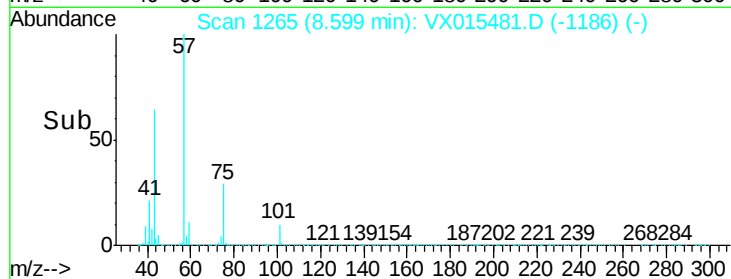
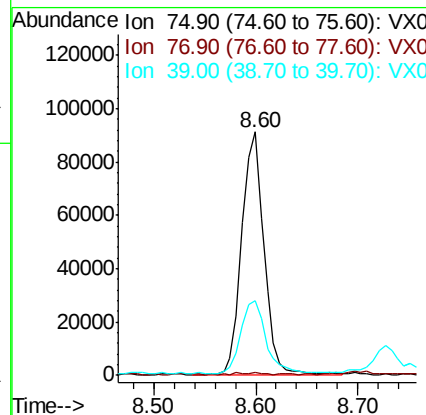
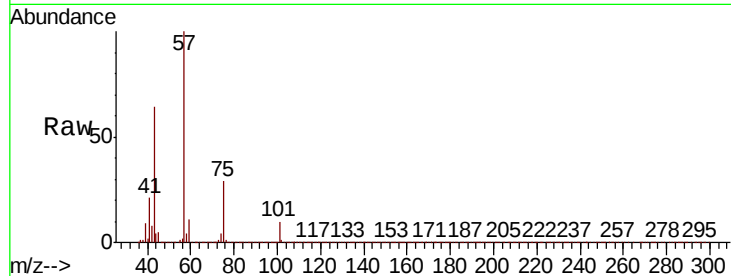


#54

cis-1,3-Dichloropropene
 Concen: 6.263 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015481.D
 Acq: 02 Apr 2020 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#03

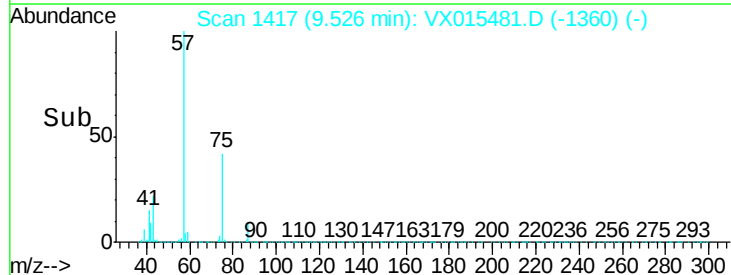
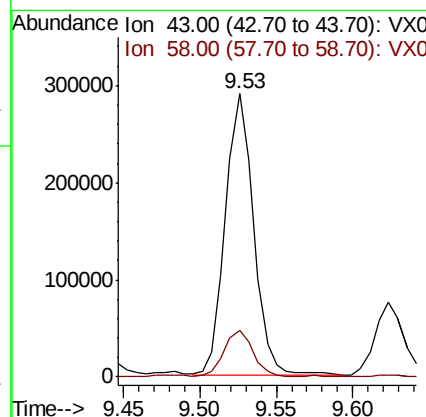
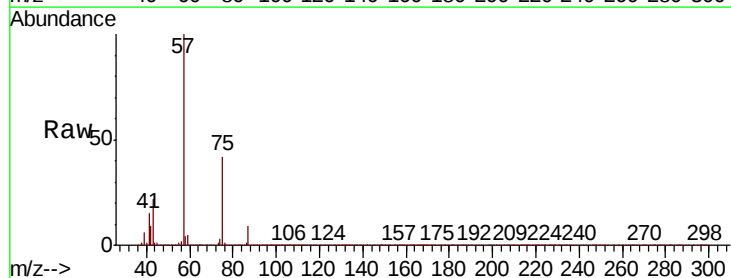
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.8	38.6#
39	29.8	49.0	73.4#

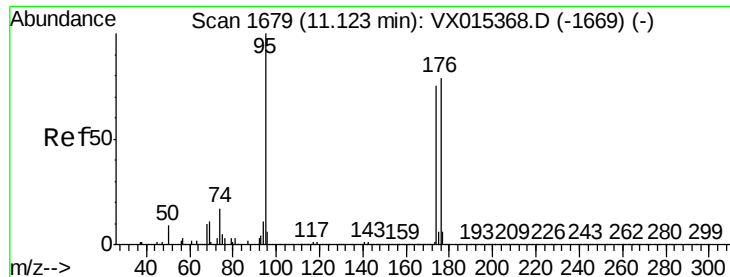


#59

2-Hexanone
 Concen: 24.315 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015481.D
 Acq: 02 Apr 2020 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.6	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 54.169 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#03

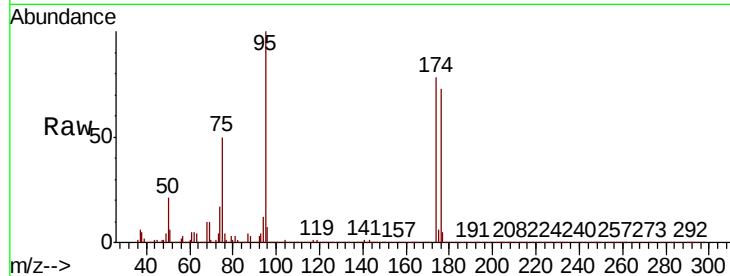
Tot Ion: 95 Resp: 916950

Ion Ratio Lower Upper

95 100

174 79.5 0.0 158.6

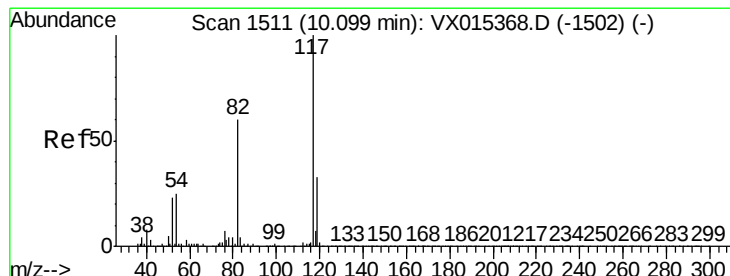
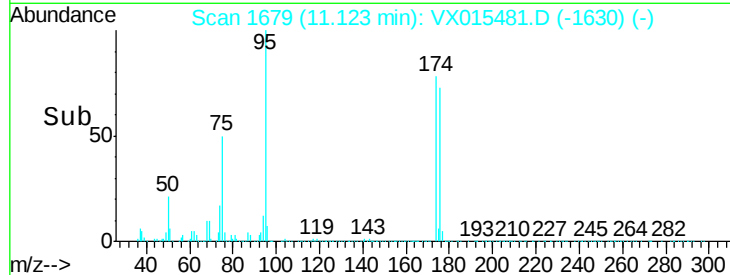
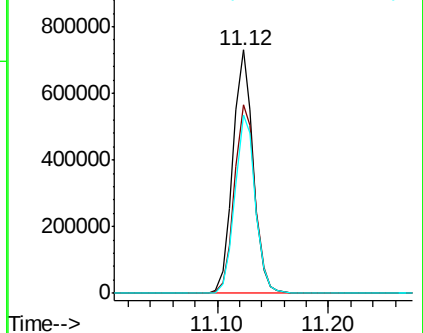
176 74.1 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

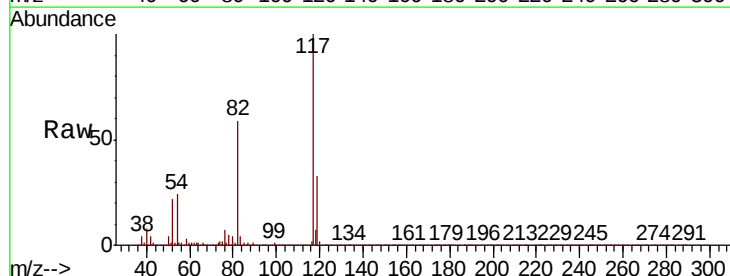
Tgt Ion: 117 Resp: 1690083

Ion Ratio Lower Upper

117 100

82 59.1 47.8 71.8

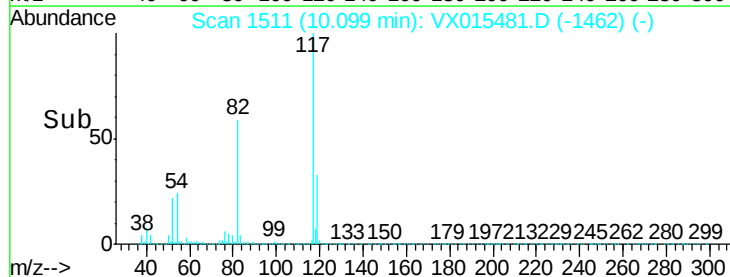
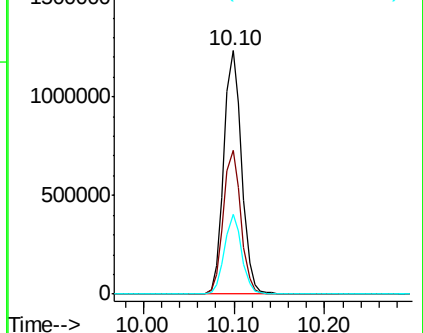
119 32.7 26.8 40.2

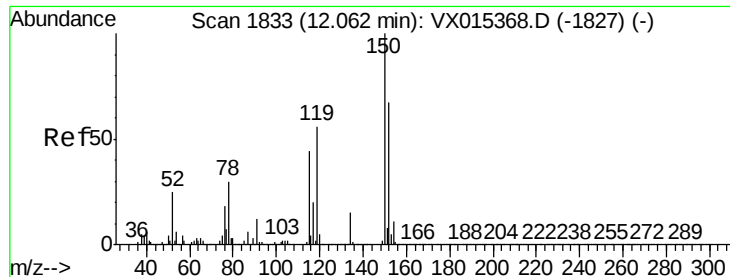


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#03

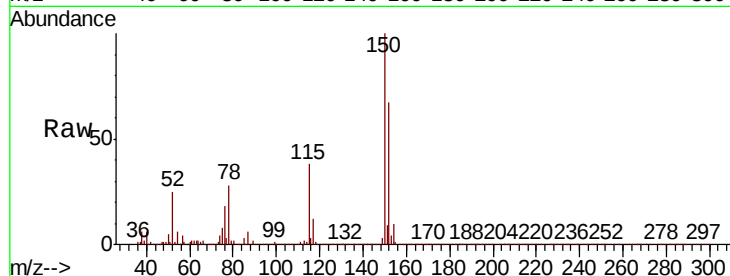
Tot Ion:152 Resp: 903547

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

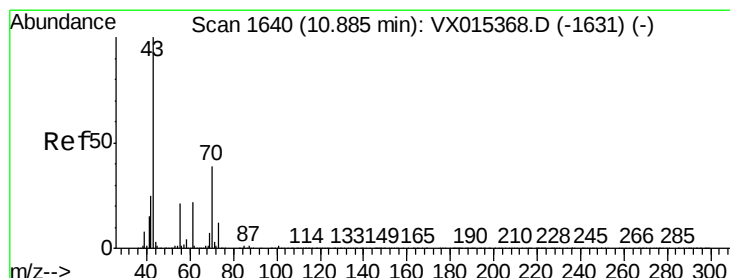
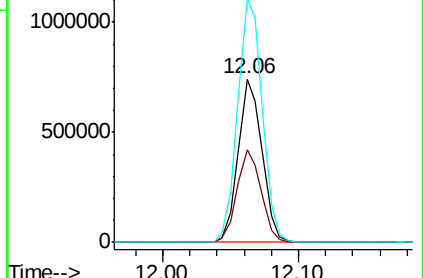
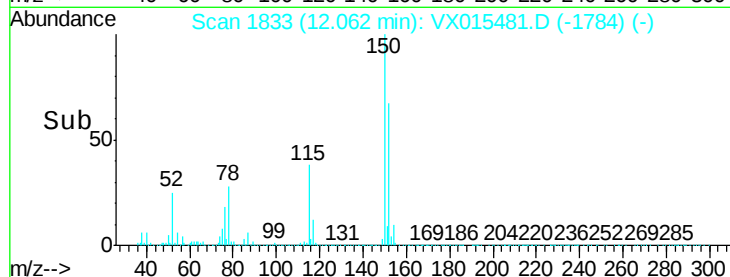
150 154.2 0.0 340.8



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-ethyl acetate

Concen: 0.535 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Tgt Ion: 43 Resp: 17619

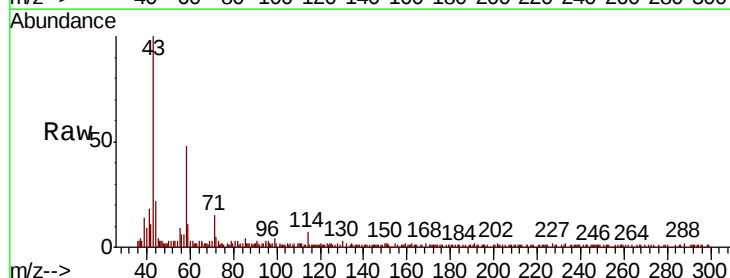
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 13.1 16.8 25.2#

61 0.0 18.2 27.2#

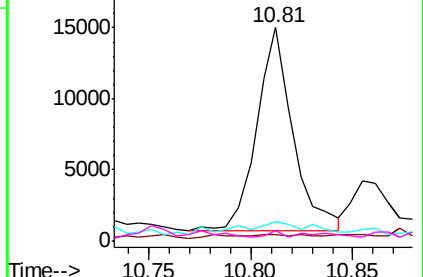
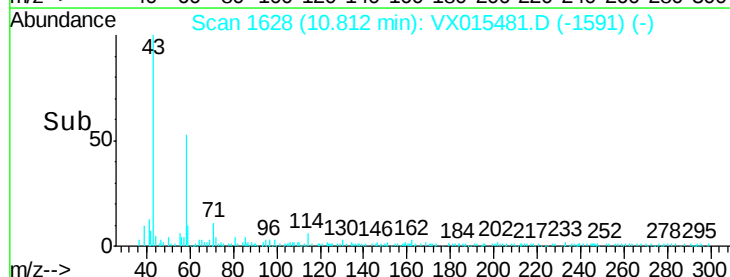


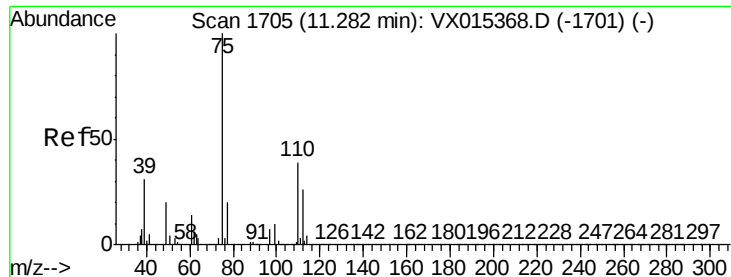
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.027 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015481.D

Acq: 02 Apr 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

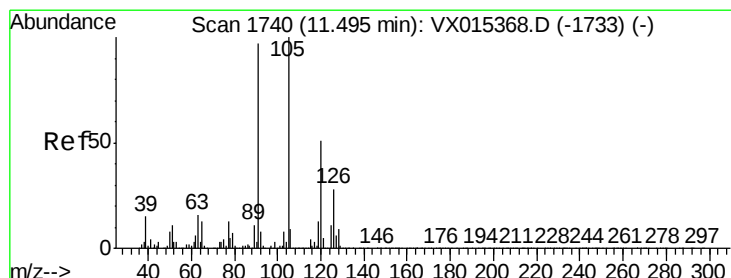
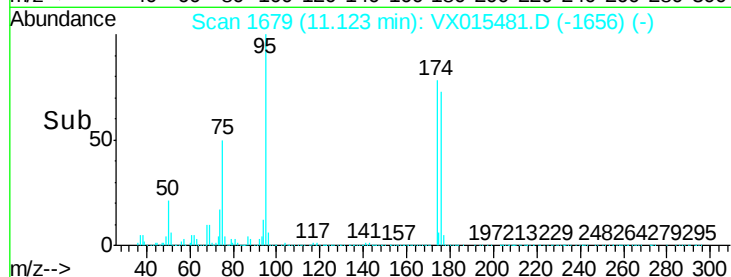
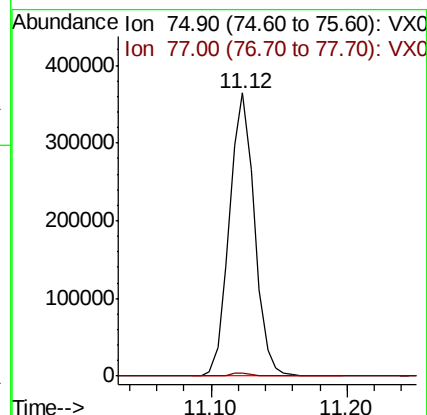
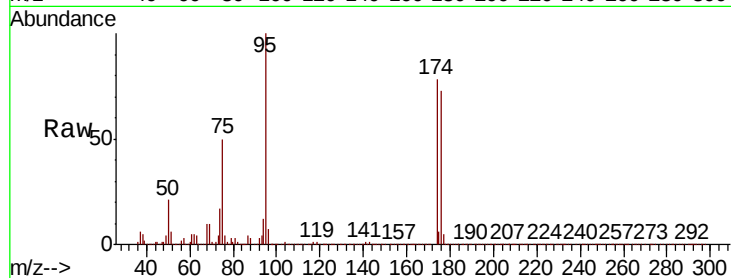
PB127948ZHE#03

Tot Ion: 75 Resp: 465029

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.355 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015481.D

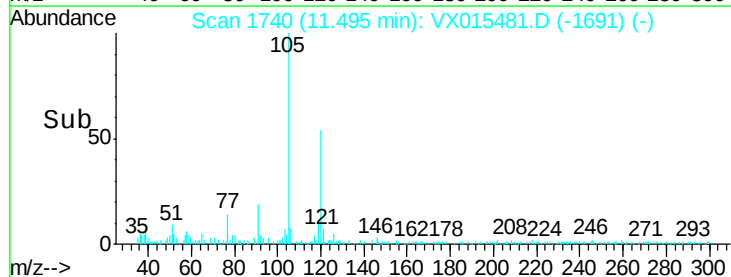
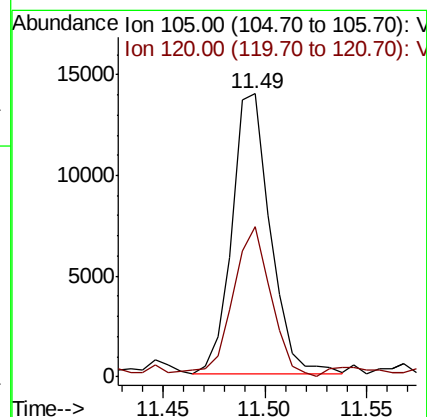
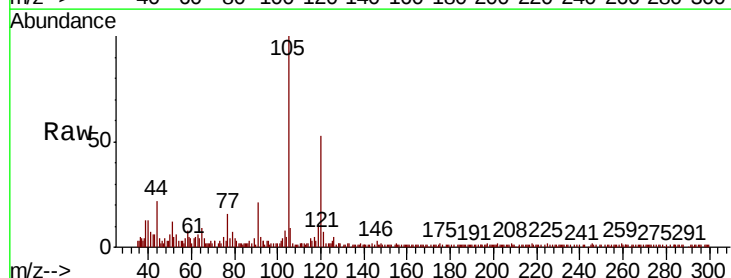
Acq: 02 Apr 2020 14:59

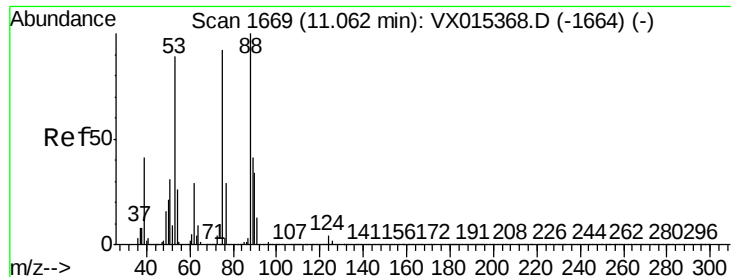
Tgt Ion:105 Resp: 17969

Ion Ratio Lower Upper

105 100

120 54.2 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 60.052 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015481.D
Acq: 02 Apr 2020 14:59

Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#03

Tot Ion: 75 Resp: 465029
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 36.1 54.1#

