

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015486.D
 Acq On : 02 Apr 2020 16:52
 Operator : JC/SP
 Sample : PB127948ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#08

Quant Time: Apr 03 08:02:58 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	1094076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1791079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1701480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	932914	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	745612	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	5.47	113	558493	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.70	98	2147954	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.12	95	925146	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	

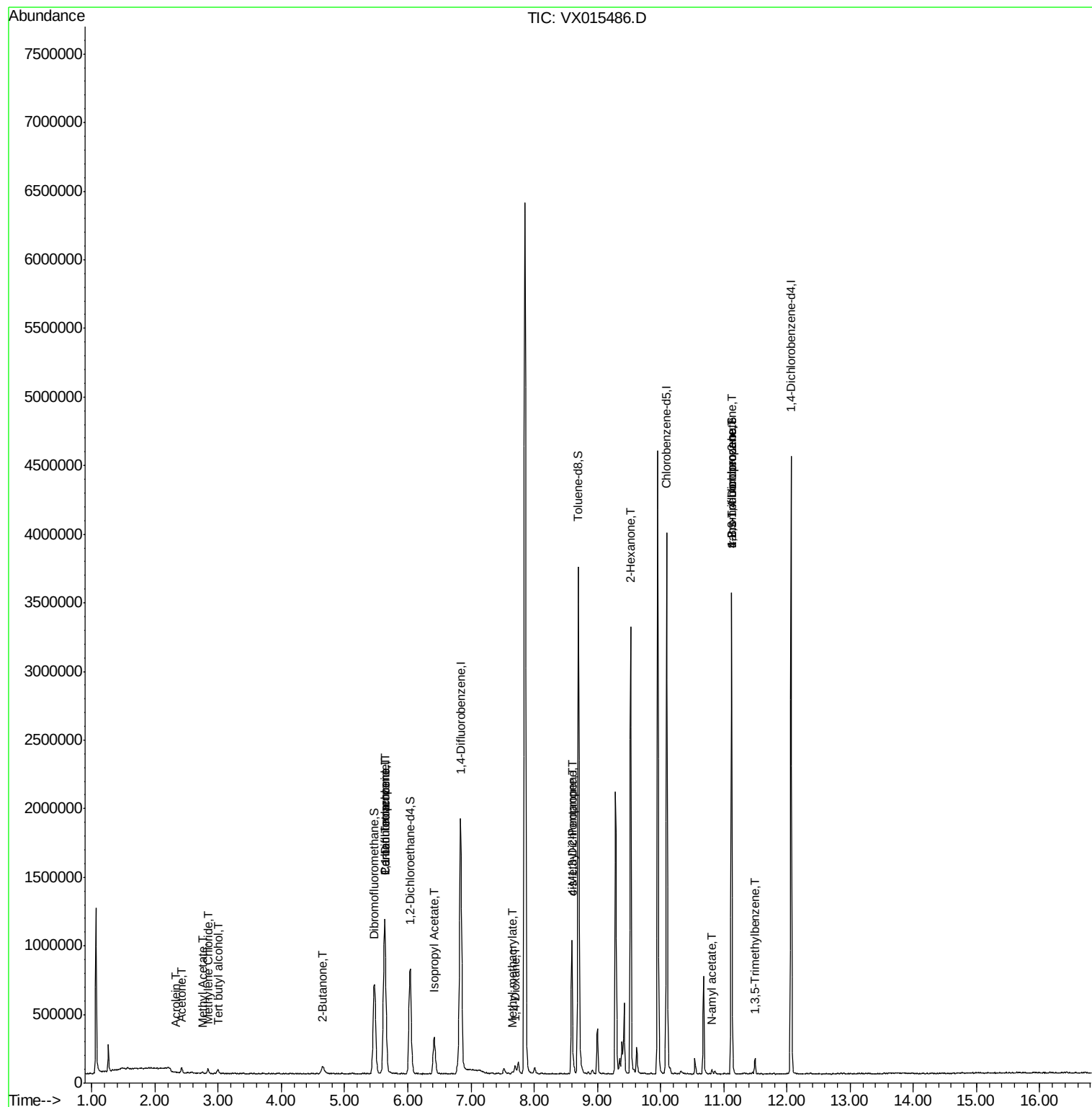
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	795	Below Cal	#	5
11) Tert butyl alcohol	3.00	59	21392	5.792	ug/l #	78
13) Acrolein	2.33	56	1074	0.510	ug/l #	14
16) Acetone	2.42	43	47541	7.171	ug/l	95
18) Methyl Acetate	2.75	43	15002	0.887	ug/l	95
20) Methylene Chloride	2.84	84	14059	1.135	ug/l	95
25) 2-Butanone	4.65	43	13355	1.253	ug/l	98
36) 1,1-Dichloropropene	5.63	75	82293	4.987	ug/l #	52
38) Carbon Tetrachloride	5.64	117	106016	5.931	ug/l #	14
43) Isopropyl Acetate	6.42	43	392284	10.815	ug/l	99
48) Methyl methacrylate	7.66	41	20629	1.139	ug/l #	19
49) 1,4-Dioxane	7.70	88	327	0.967	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	378100	18.393	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	152383	6.900	ug/l #	54
59) 2-Hexanone	9.53	43	403314	25.987	ug/l #	52
74) N-amyl acetate	10.81	43	17312	0.509	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	476260	24.825	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	47545	0.911	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.12	75	476260	59.567	ug/l #	10

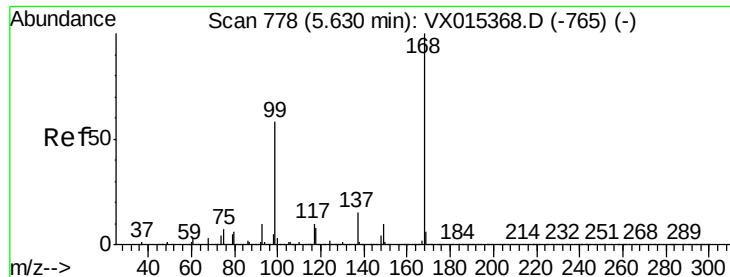
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

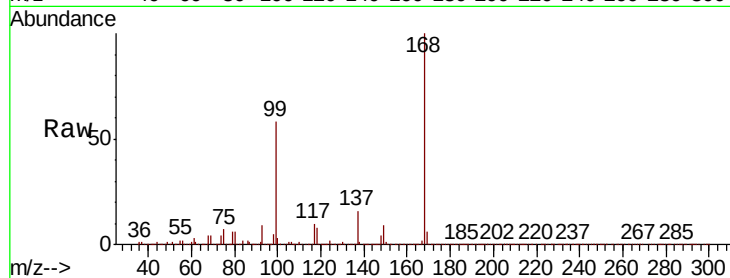
PB127948ZHE#08

Tot Ion:168 Resp: 1094076

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

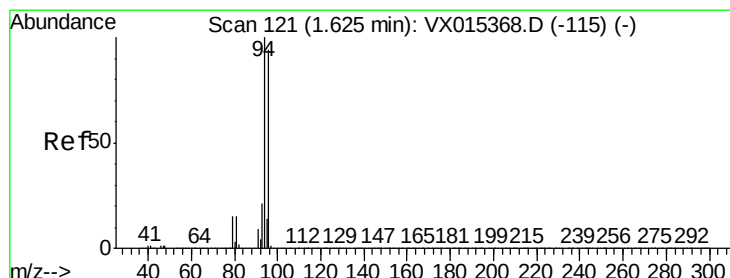
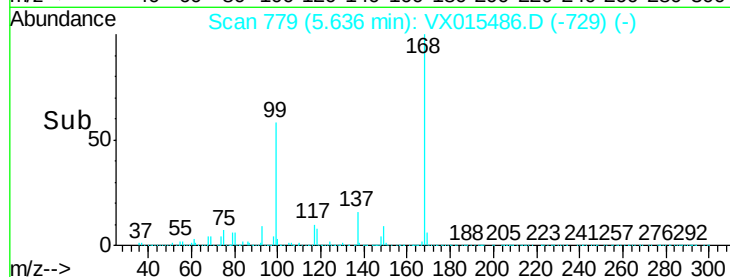
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015486.D

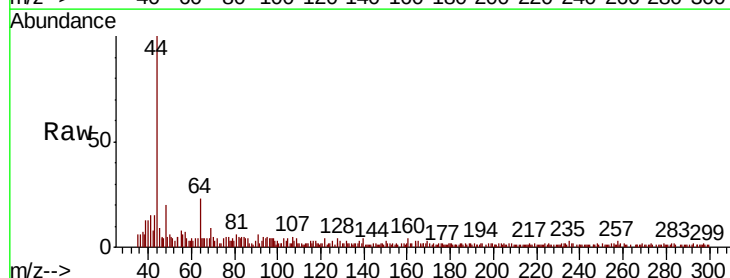
Acq: 02 Apr 2020 16:52

Tgt Ion: 94 Resp: 795

Ion Ratio Lower Upper

94 100

96 1.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

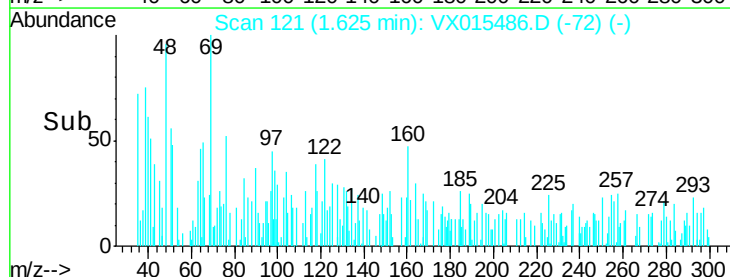
600

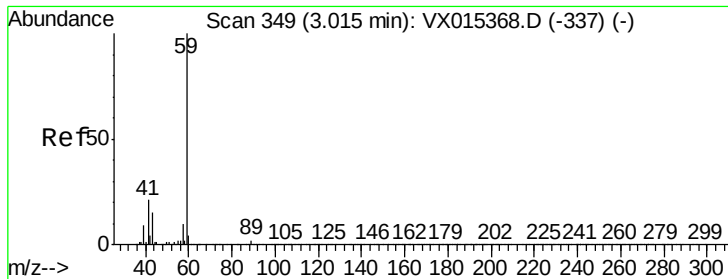
400

200

0

Time-->

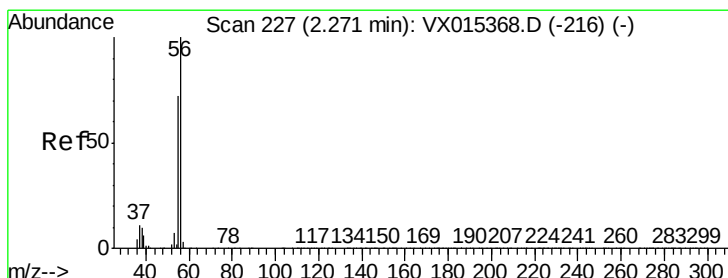
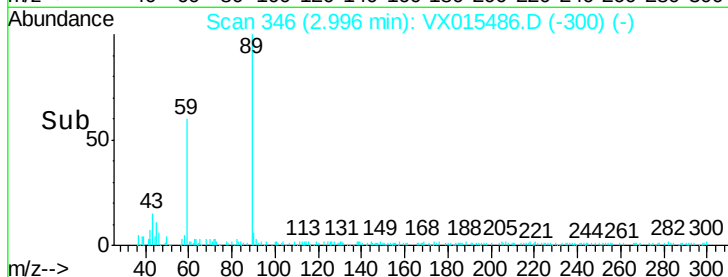
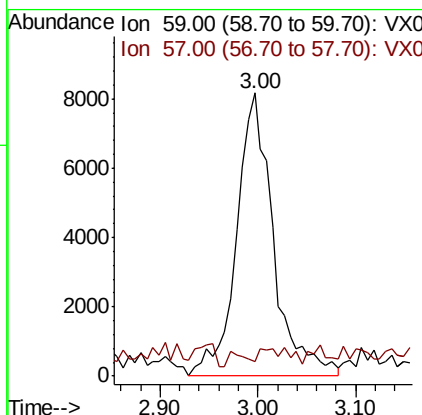
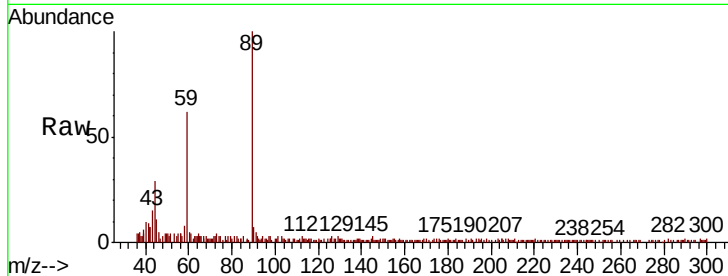




#11
Tert butyl alcohol
Concen: 5.792 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

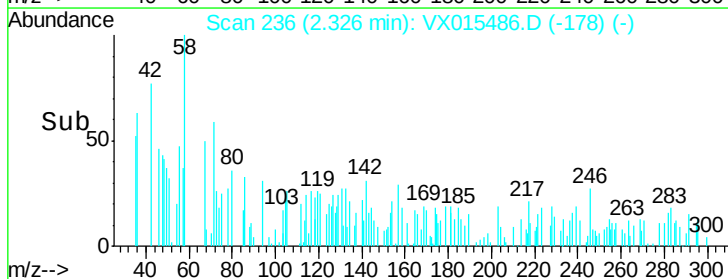
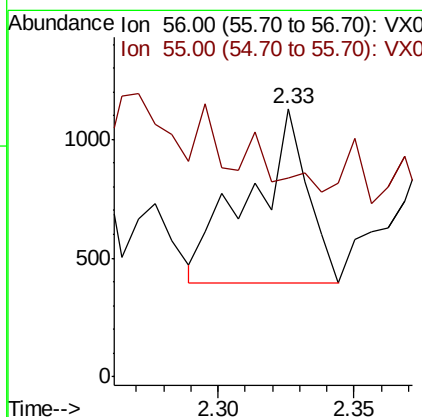
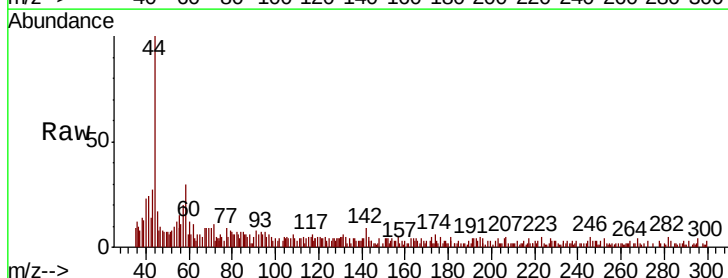
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#08

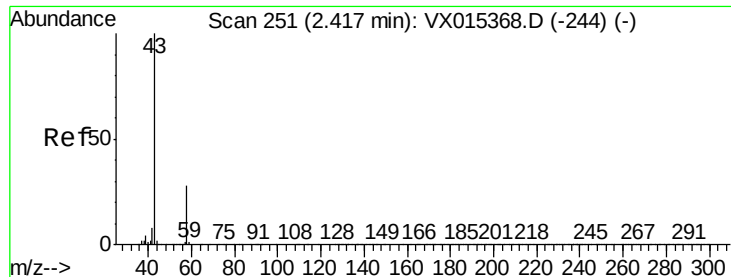
Tot Ion: 59 Resp: 21392
Ion Ratio Lower Upper
59 100
57 2.0 8.1 12.1#



#13
Acrolein
Concen: 0.510 ug/l
RT: 2.33 min Scan# 236
Delta R.T. 0.05 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

Tgt Ion: 56 Resp: 1074
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 7.171 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

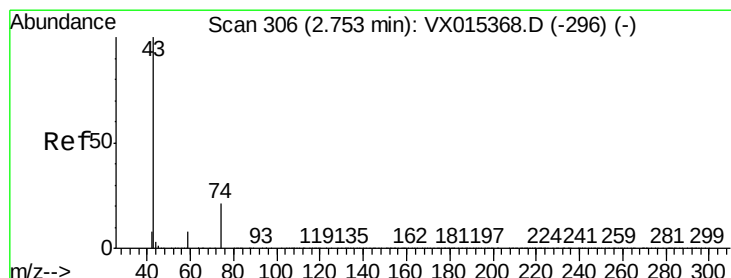
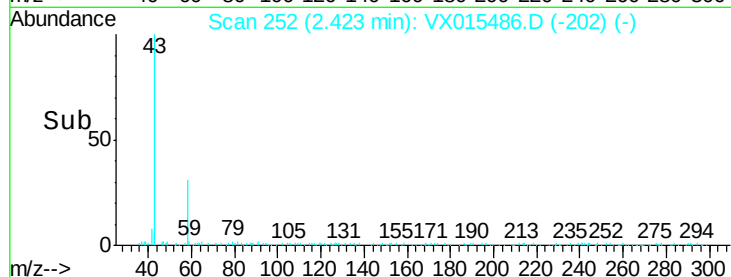
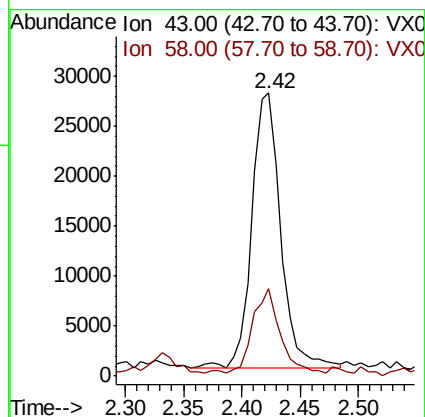
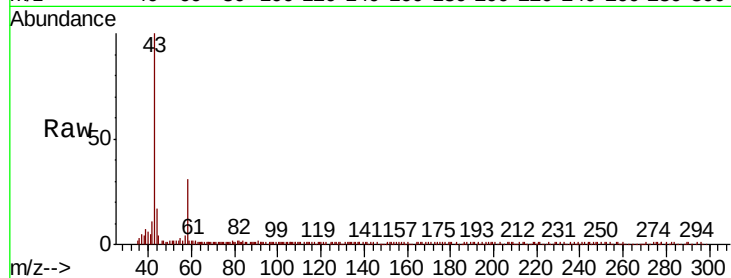
PB127948ZHE#08

Tot Ion: 43 Resp: 47541

Ion Ratio Lower Upper

43 100

58 30.4 22.1 33.1



#18

Methyl Acetate

Concen: 0.887 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX015486.D

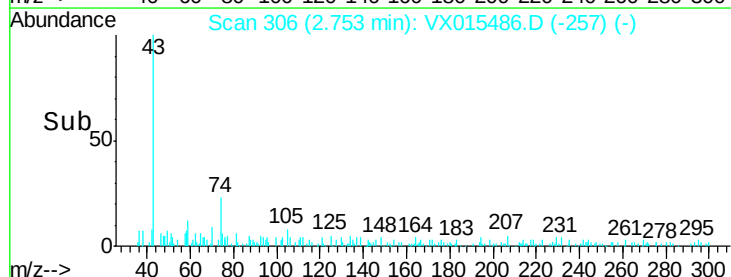
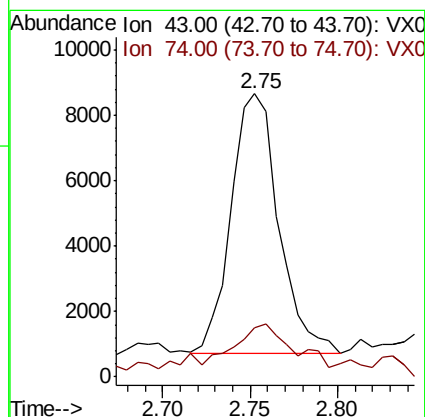
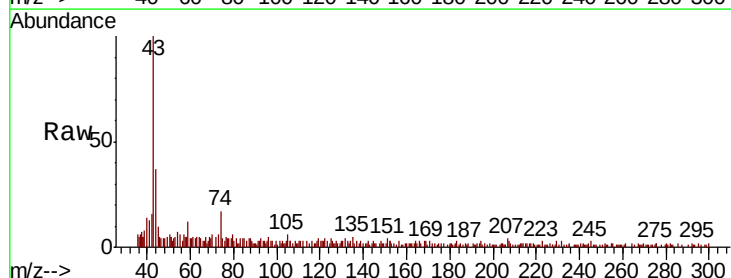
Acq: 02 Apr 2020 16:52

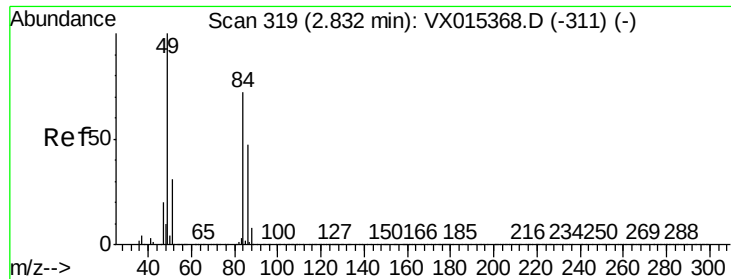
Tgt Ion: 43 Resp: 15002

Ion Ratio Lower Upper

43 100

74 22.8 16.5 24.7

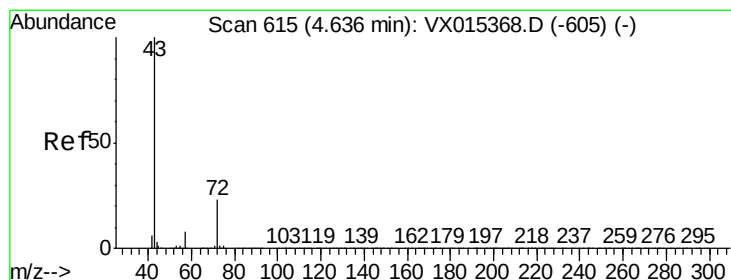
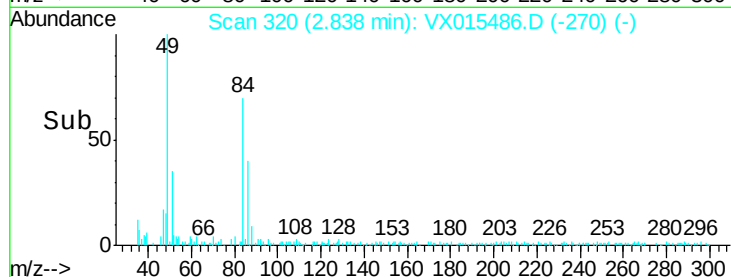
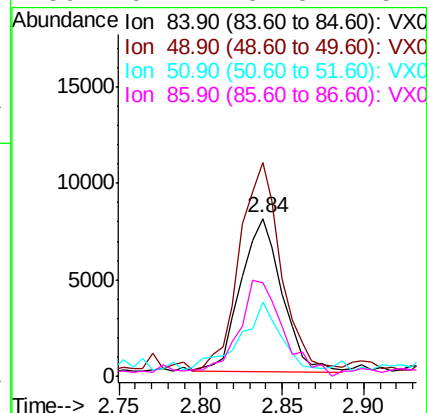
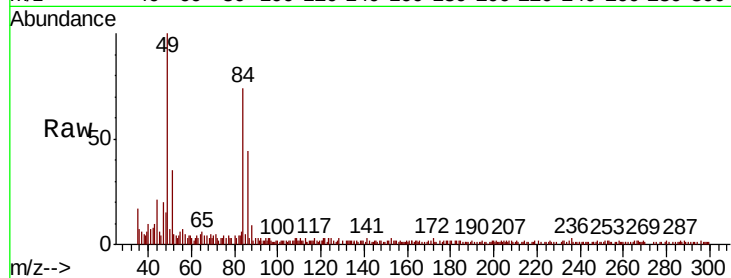




#20
Methylene Chloride
Concen: 1.135 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

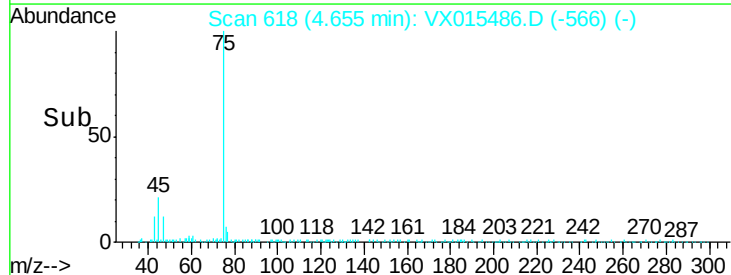
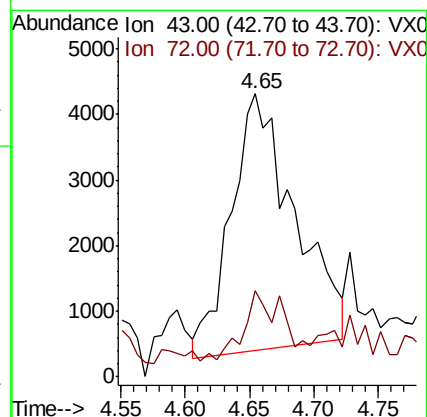
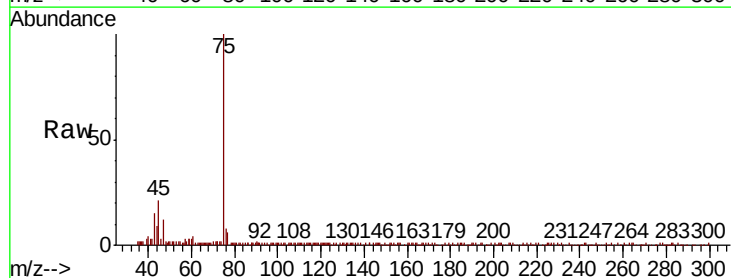
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#08

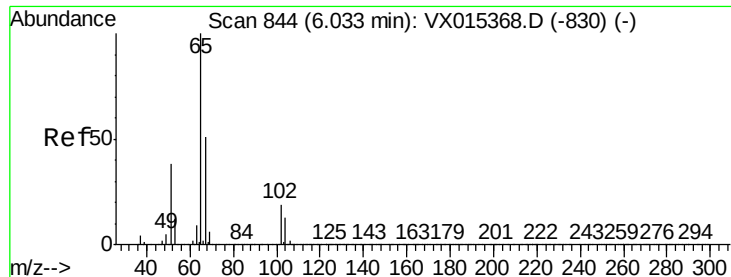
Tot Ion:	84	Resp:	14059
Ion	Ratio	Lower	Upper
84	100		
49	135.9	111.3	166.9
51	40.1	34.0	51.0
86	57.2	52.5	78.7



#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

Tgt Ion:	43	Resp:	13355
Ion	Ratio	Lower	Upper
43	100		
72	22.8	19.0	28.4





#33

1,2-Dichloroethane-d4

Concen: 48.320 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

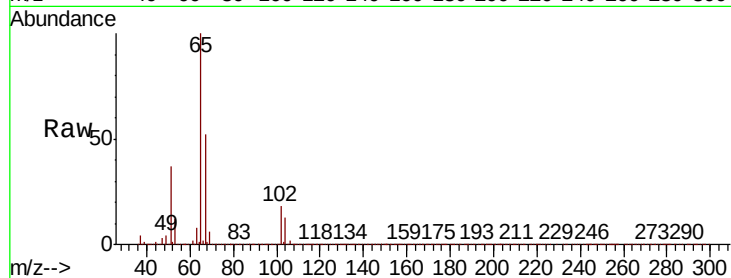
PB127948ZHE#08

Tot Ion: 65 Resp: 745612

Ion Ratio Lower Upper

65 100

67 50.8 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

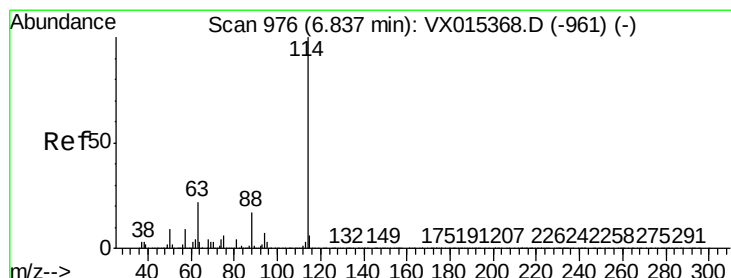
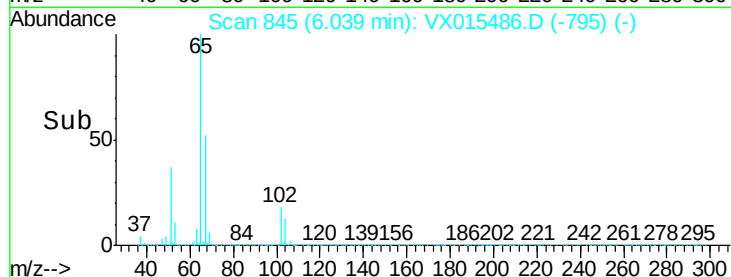
200000

100000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

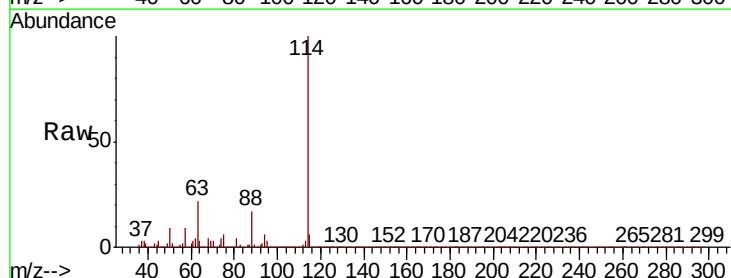
Tgt Ion: 114 Resp: 1791079

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.9 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

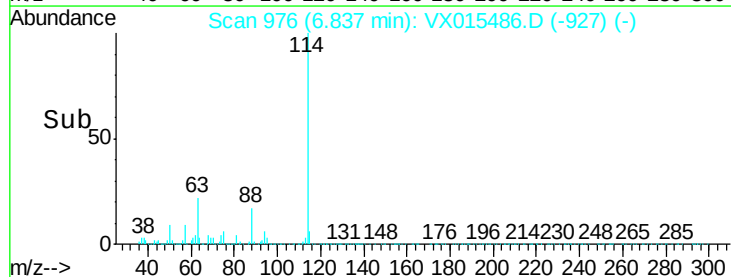
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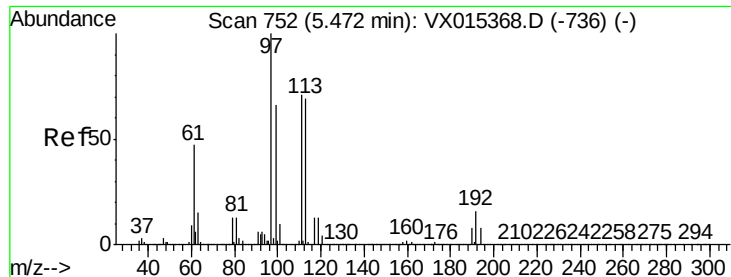
200000

0

Time-->

6.70 6.80 6.90 7.00

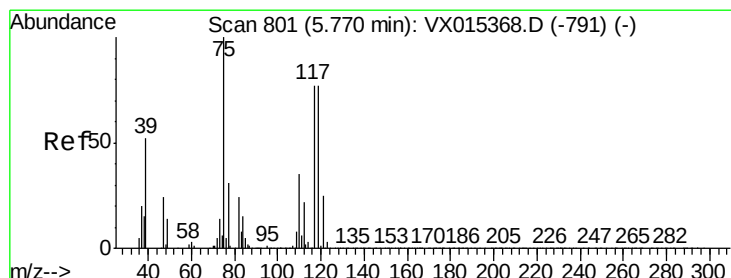
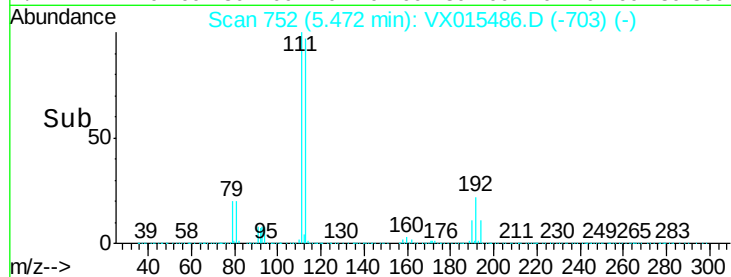
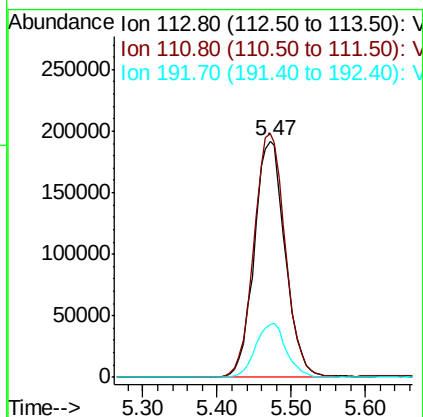
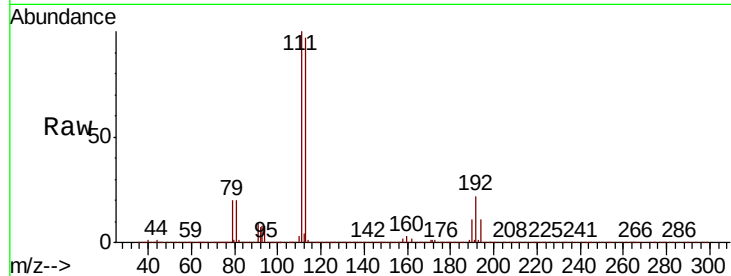




#35
Dibromofluoromethane
Concen: 48.781 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

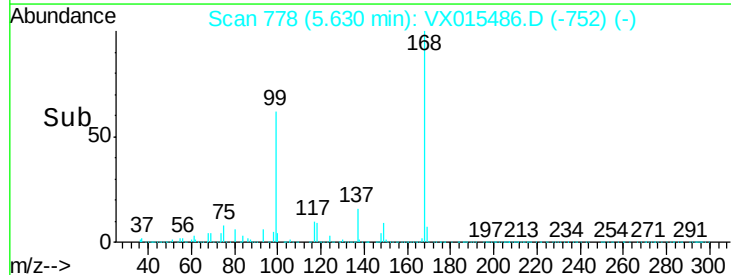
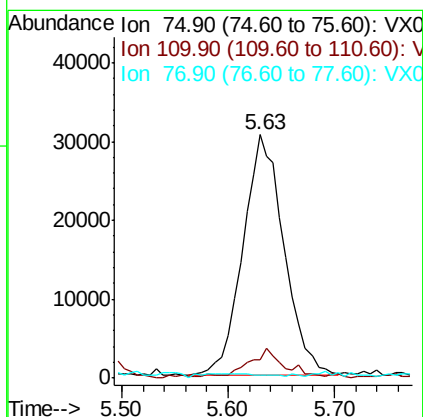
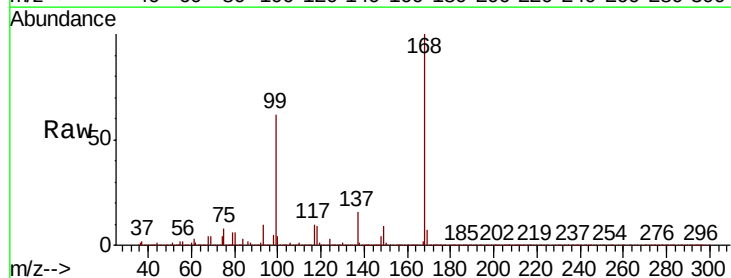
Instrument :
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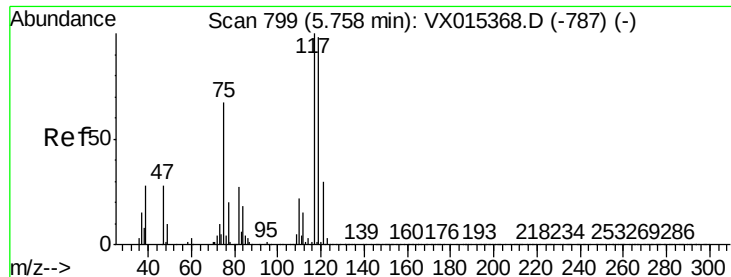
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	22.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#08

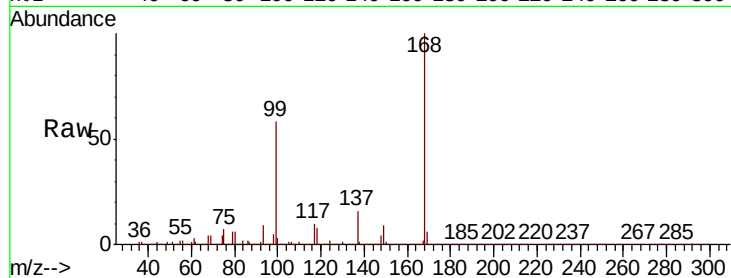
Tot Ion:117 Resp: 106016

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

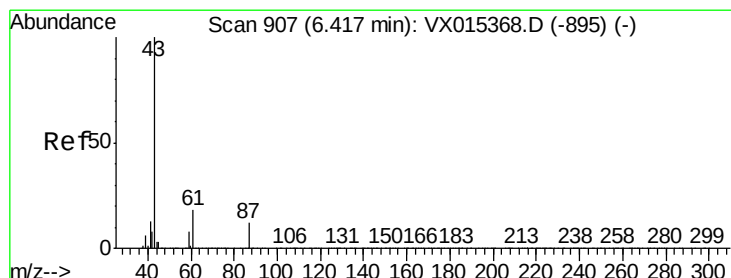
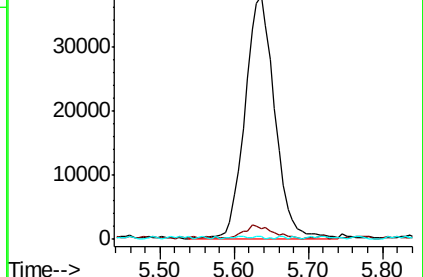
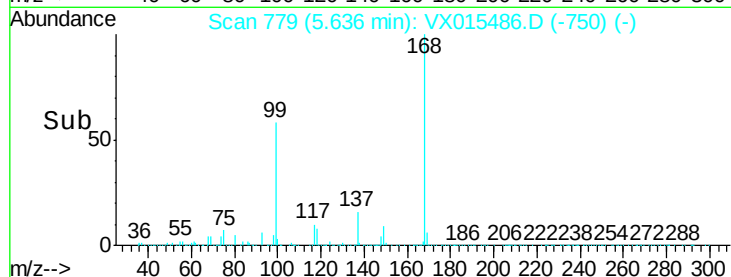
121 0.3 23.8 35.8#



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: 10.815 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

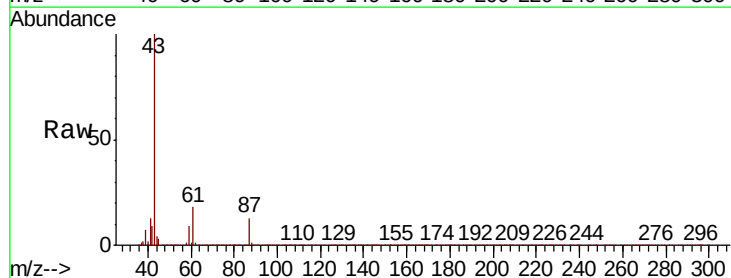
Tgt Ion: 43 Resp: 392284

Ion Ratio Lower Upper

43 100

61 17.9 14.8 22.2

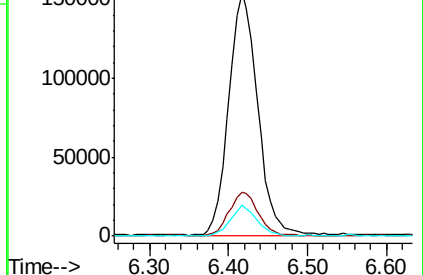
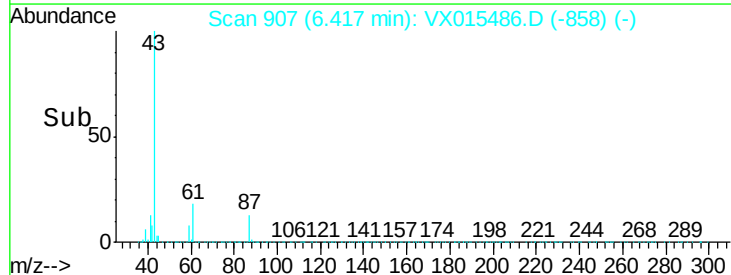
87 11.4 9.4 14.0

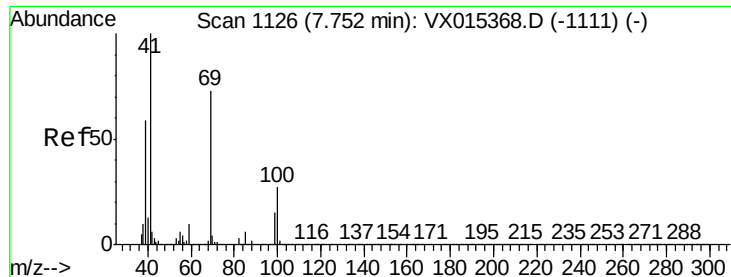


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

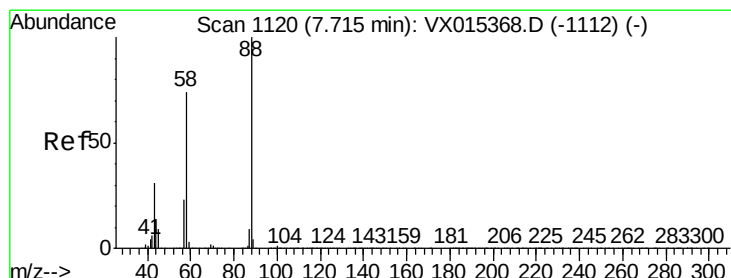
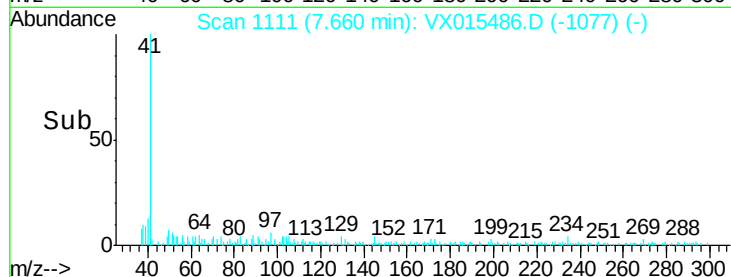
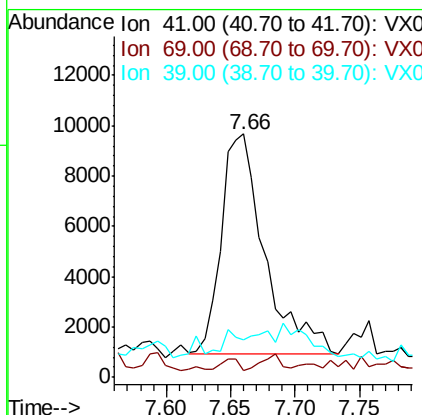
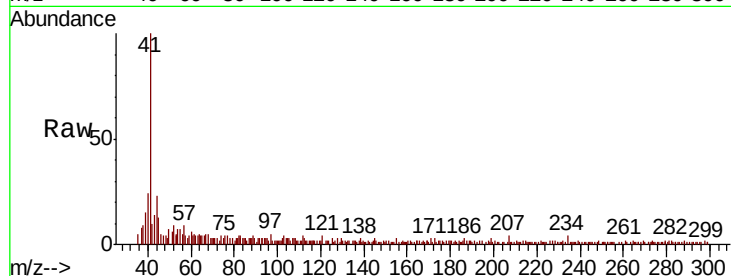




#48
Methvl methacrylate
Concen: 1.139 ug/l
RT: 7.66 min Scan# 1111
Delta R.T. -0.09 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

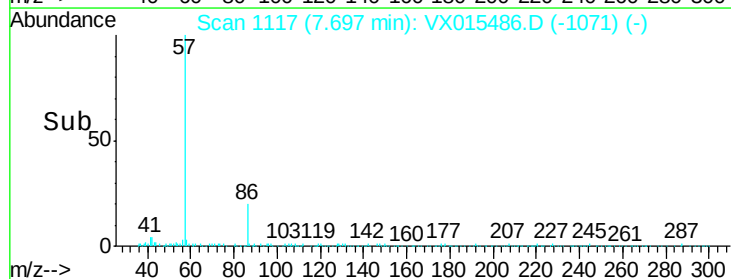
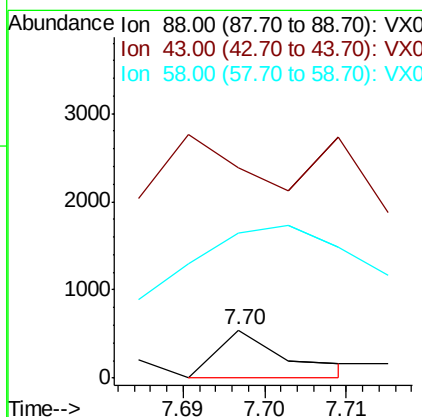
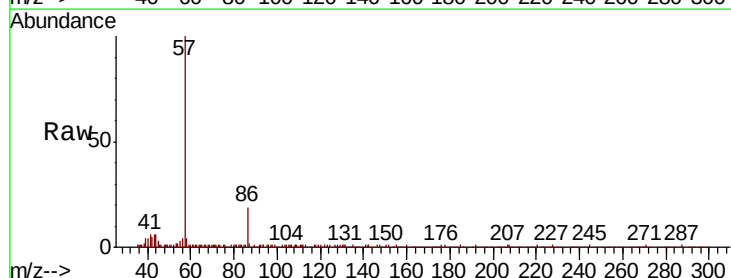
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#08

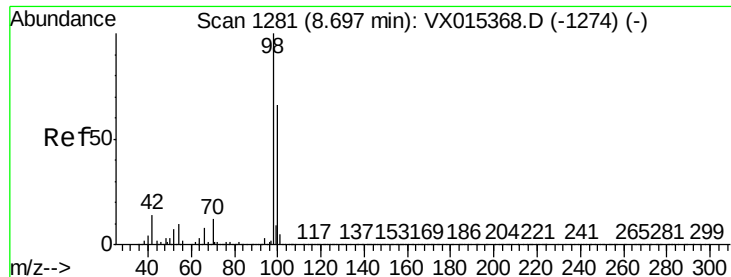
Tot Ion: 41 Resp: 20629
Ion Ratio Lower Upper
41 100
69 2.0 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 0.967 ug/l
RT: 7.70 min Scan# 1117
Delta R.T. -0.02 min
Lab File: VX015486.D
Acq: 02 Apr 2020 16:52

Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 1280.4 60.6 90.8#





#50

Toluene-d8

Concen: 50.957 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

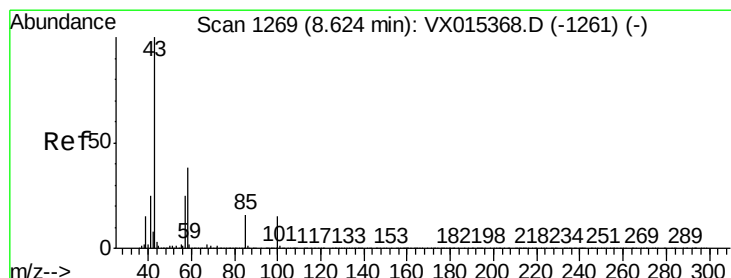
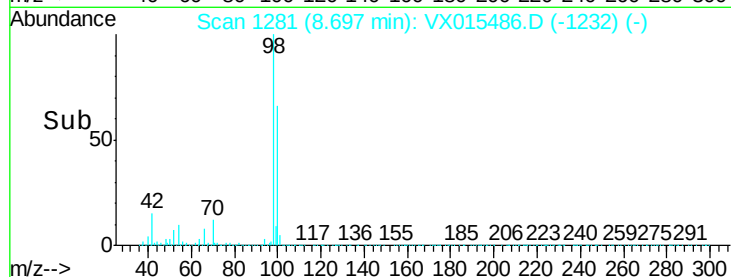
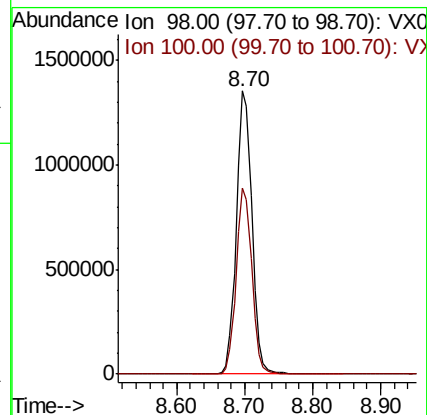
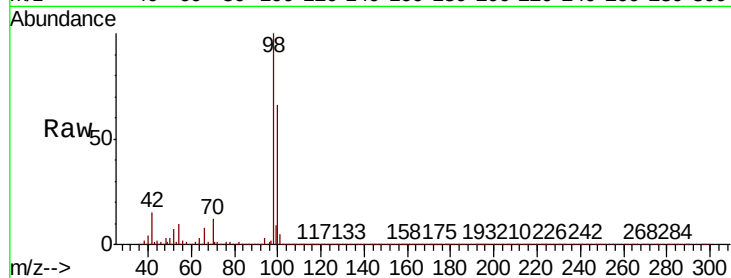
PB127948ZHE#08

Tot Ion: 98 Resp: 2147954

Ion Ratio Lower Upper

98 100

100 66.1 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 18.393 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015486.D

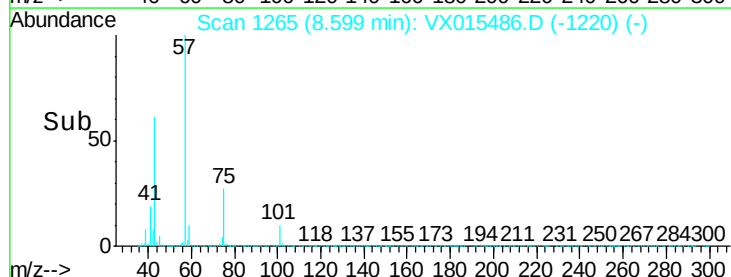
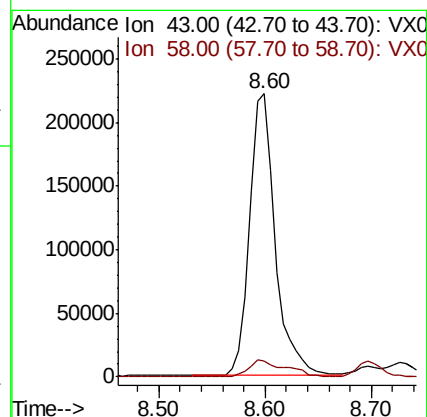
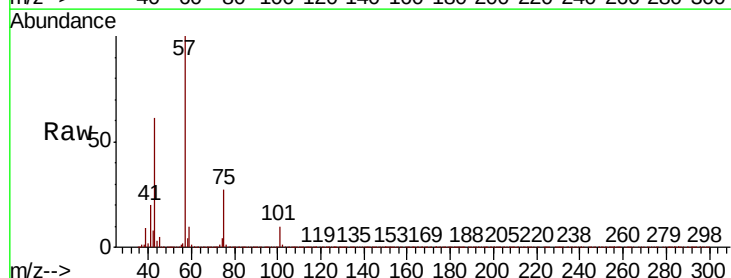
Acq: 02 Apr 2020 16:52

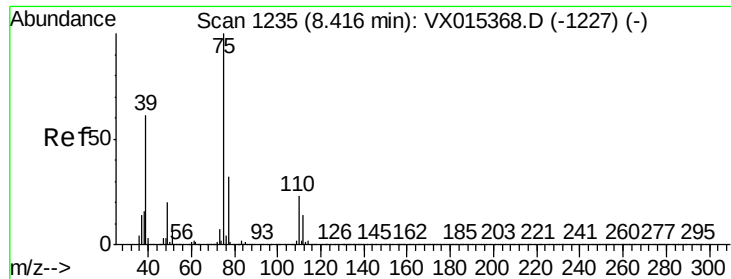
Tgt Ion: 43 Resp: 378100

Ion Ratio Lower Upper

43 100

58 8.5 29.7 44.5#



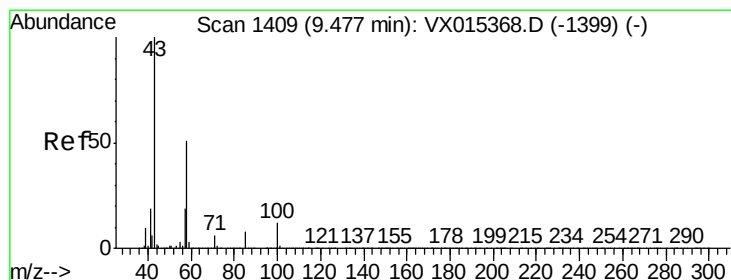
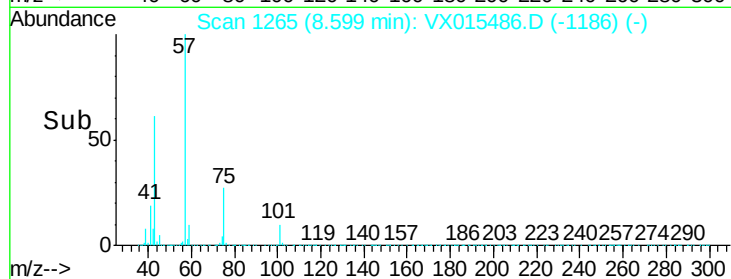
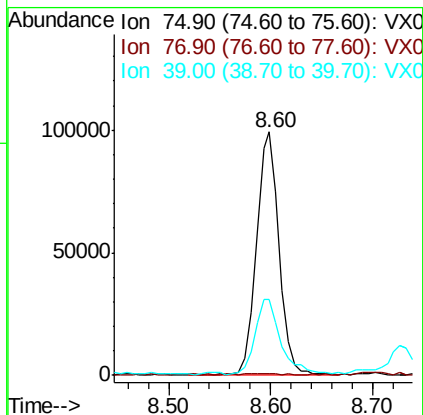
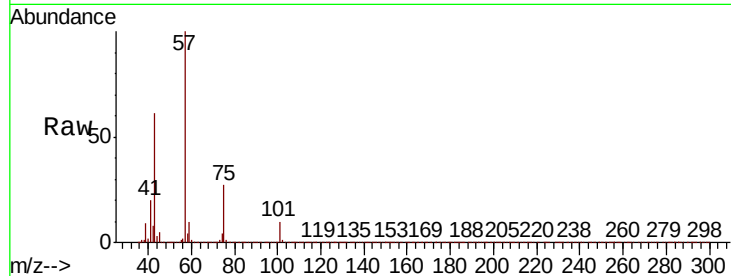


#54

cis-1,3-Dichloropropene
 Concen: 6.900 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015486.D
 Acq: 02 Apr 2020 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#08

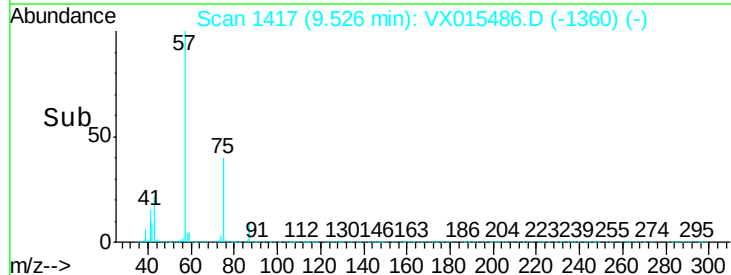
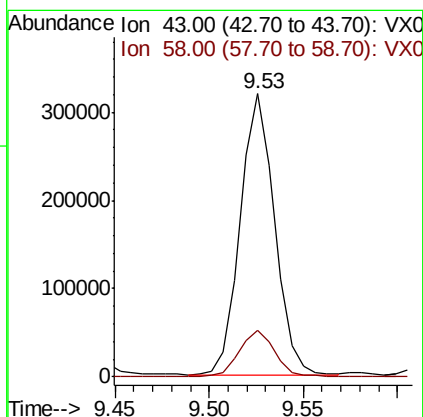
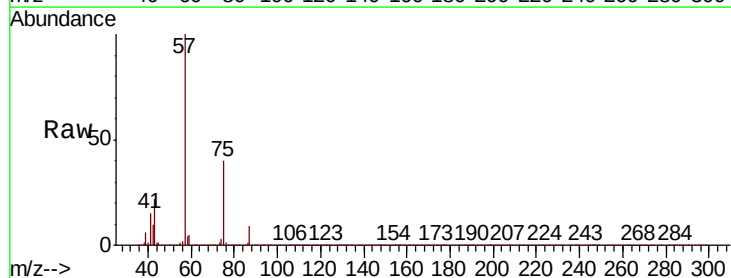
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.8	38.6#
39	30.8	49.0	73.4#

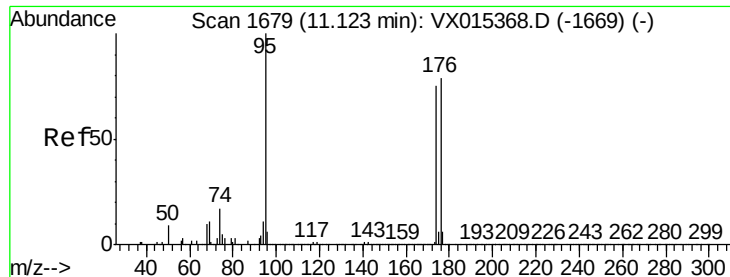


#59

2-Hexanone
 Concen: 25.987 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015486.D
 Acq: 02 Apr 2020 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.7	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 54.005 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#08

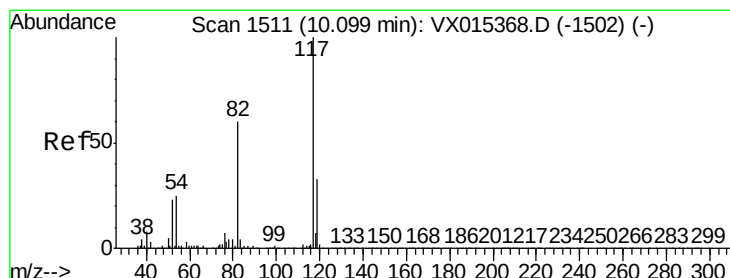
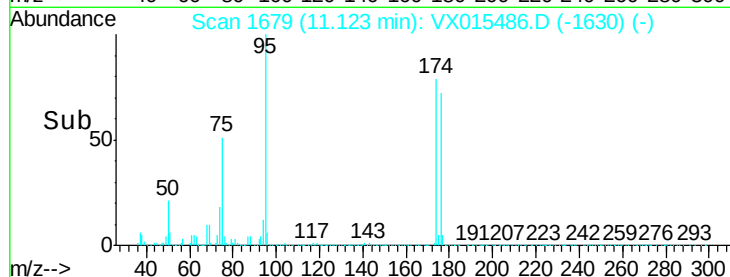
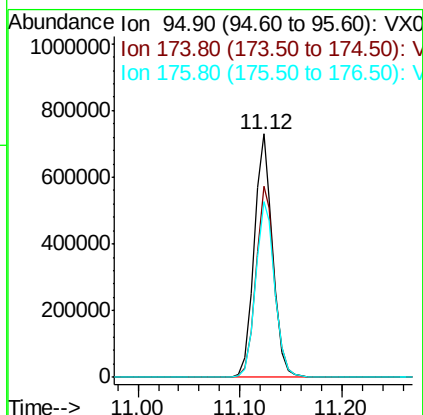
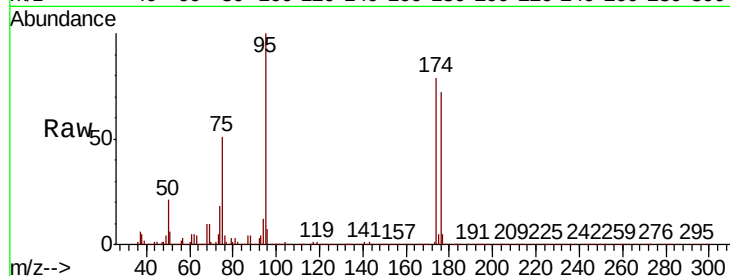
Tot Ion: 95 Resp: 925146

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.6

176 74.9 0.0 159.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

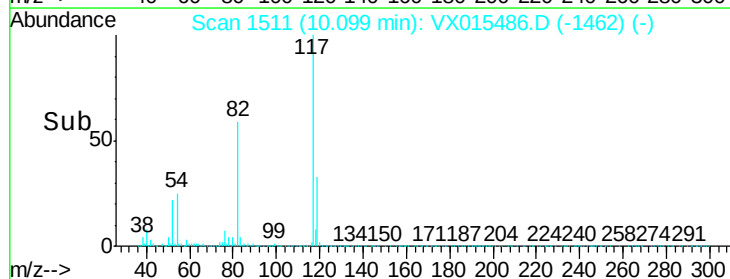
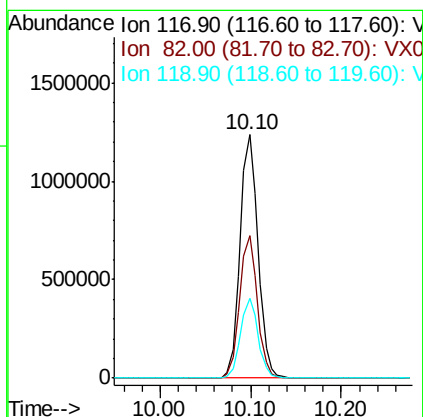
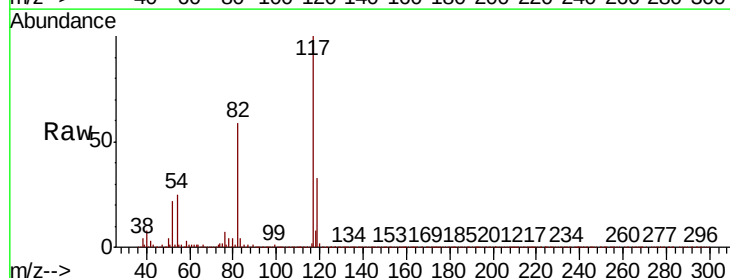
Tgt Ion: 117 Resp: 1701480

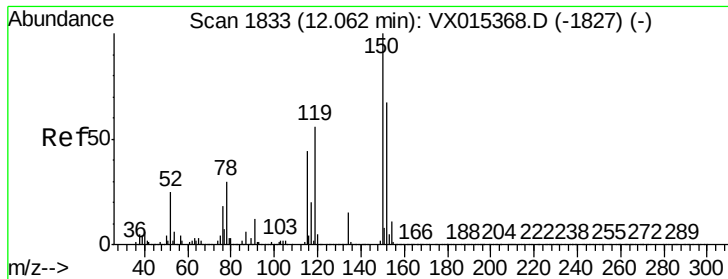
Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.8

119 32.6 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#08

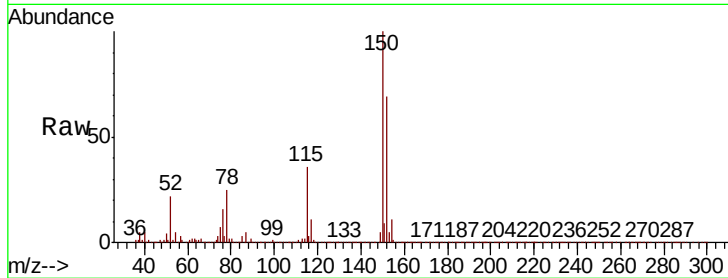
Tot Ion:152 Resp: 932914

Ion Ratio Lower Upper

152 100

115 57.8 39.0 116.9

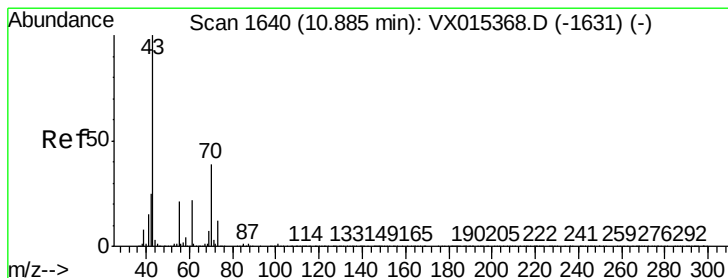
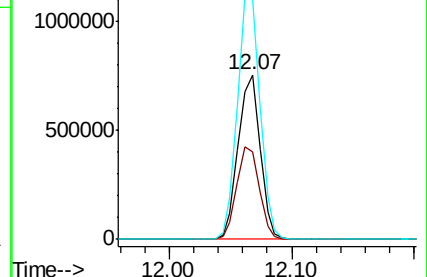
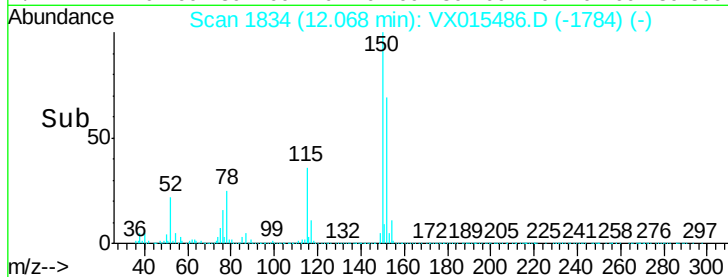
150 153.3 0.0 340.8



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-amyl acetate

Concen: 0.509 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Tgt Ion: 43 Resp: 17312

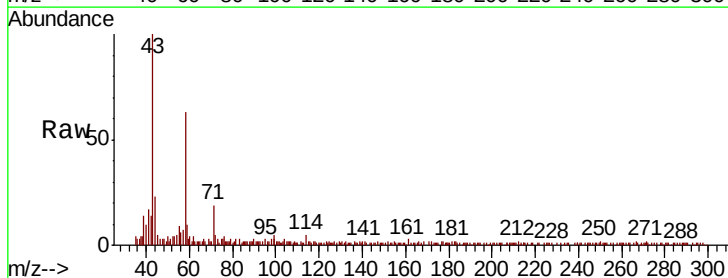
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 8.5 16.8 25.2#

61 0.0 18.2 27.2#

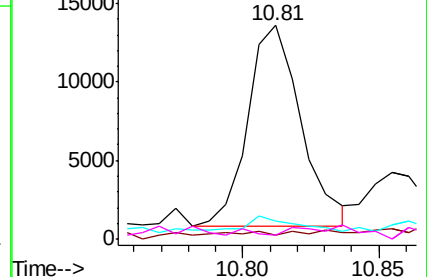
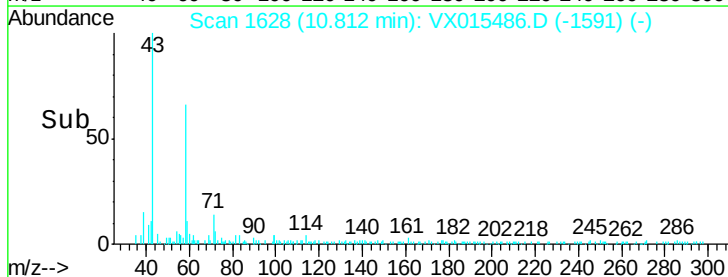


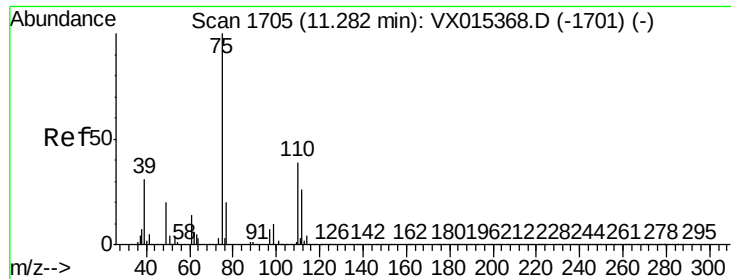
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.825 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

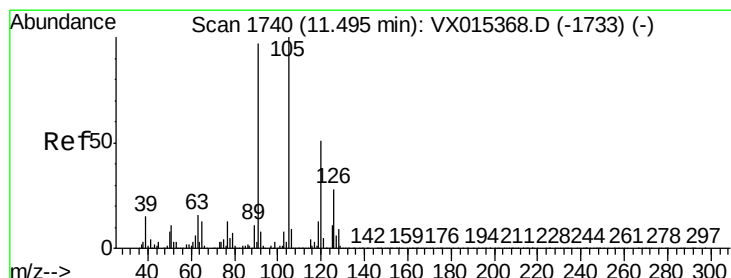
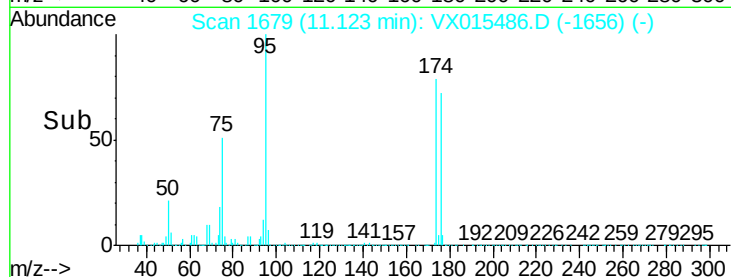
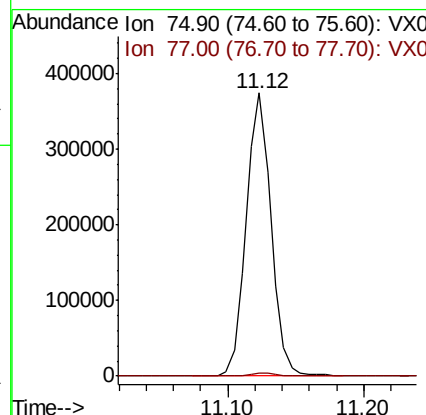
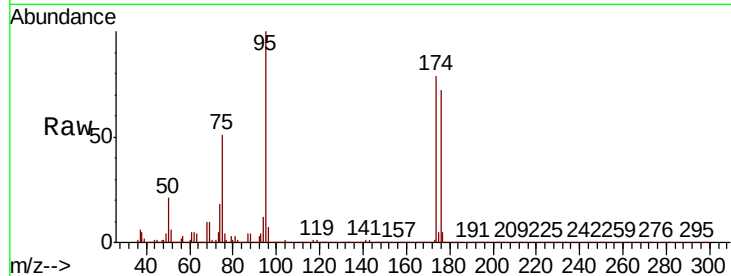
PB127948ZHE#08

Tot Ion: 75 Resp: 476260

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.911 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015486.D

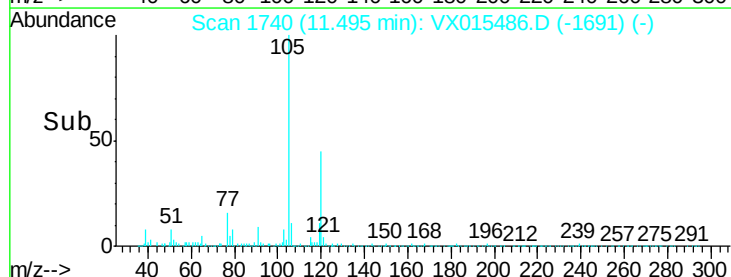
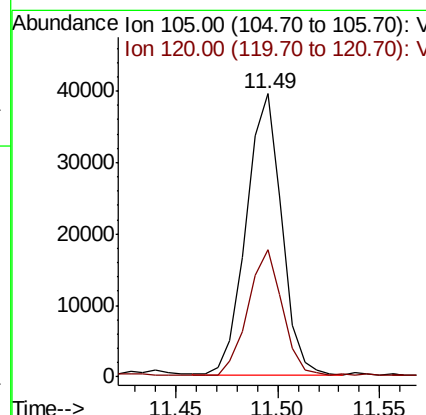
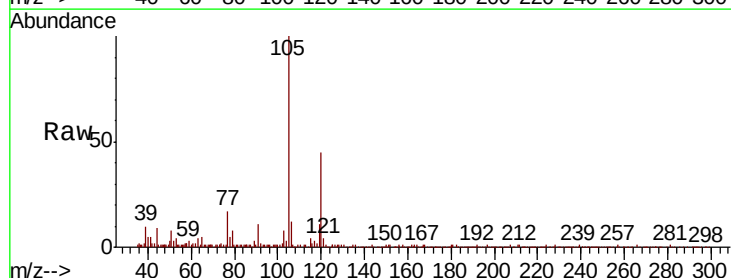
Acq: 02 Apr 2020 16:52

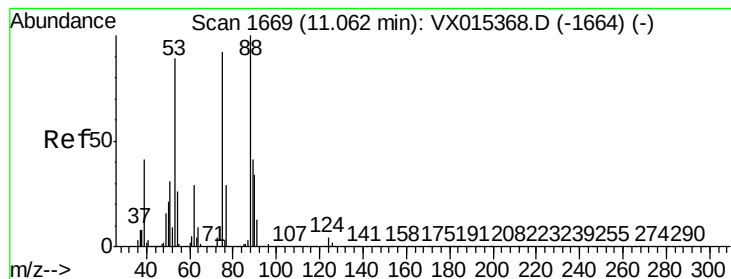
Tgt Ion: 105 Resp: 47545

Ion Ratio Lower Upper

105 100

120 43.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 59.567 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015486.D

Acq: 02 Apr 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#08

Tot Ion: 75 Resp: 476260

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

