

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015506.D
 Acq On : 06 Apr 2020 12:47
 Operator : JC/SP
 Sample : PB128009TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128009TB

Quant Time: Apr 07 04:58:47 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	1151757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1868941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1779753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	974451	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	772827	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.47	113	577732	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.70	98	2221393	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.12	95	975991	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	

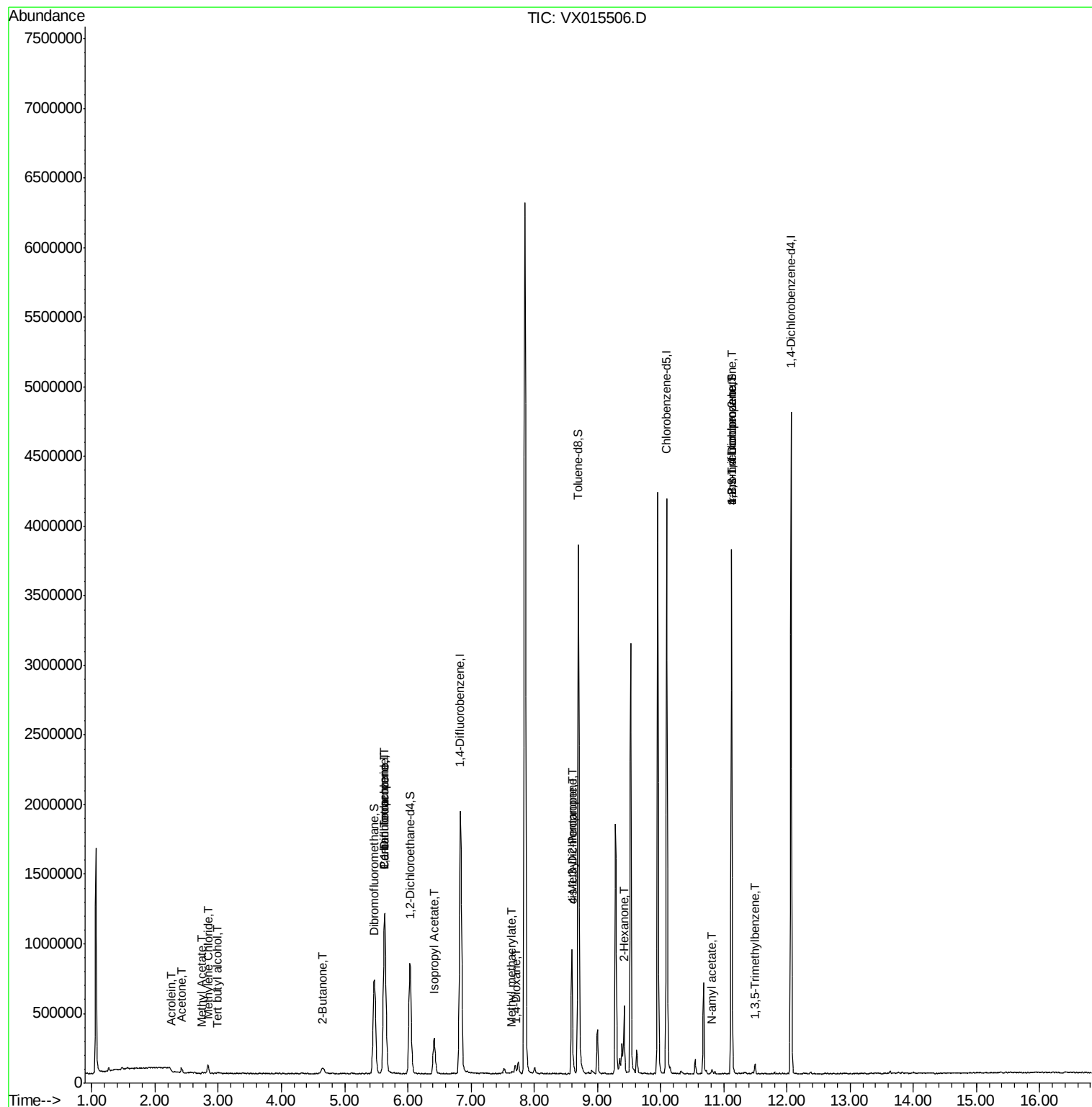
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	852	Below Cal		97
11) Tert butyl alcohol	2.99	59	8386	2.157	ug/l #	84
13) Acrolein	2.26	56	728	0.329	ug/l #	14
16) Acetone	2.42	43	45277	6.488	ug/l	95
18) Methyl Acetate	2.75	43	17030	0.956	ug/l #	87
20) Methylene Chloride	2.84	84	26949	2.067	ug/l	97
25) 2-Butanone	4.65	43	19922	1.775	ug/l	96
36) 1,1-Dichloropropene	5.63	75	82359	4.783	ug/l #	51
38) Carbon Tetrachloride	5.64	117	111748	5.991	ug/l #	16
43) Isopropyl Acetate	6.42	43	374749	9.901	ug/l	98
48) Methyl methacrylate	7.65	41	19496	1.031	ug/l #	20
49) 1,4-Dioxane	7.72	88	714	2.024	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	356136	16.603	ug/l #	51
54) cis-1,3-Dichloropropene	8.60	75	142743	6.195	ug/l #	54
59) 2-Hexanone	9.42	43	334206	20.637	ug/l #	27
74) N-amyl acetate	10.81	43	17697	0.498	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	510879	25.494	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	27366	0.502	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	510879	61.173	ug/l #	10

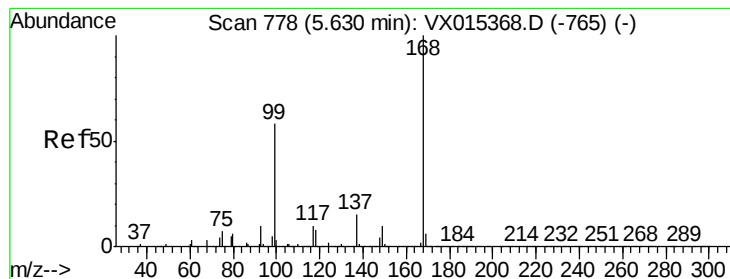
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015506.D
Acq On : 06 Apr 2020 12:47
Operator : JC/SP
Sample : PB128009TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB128009TB

Quant Time: Apr 07 04:58:47 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: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

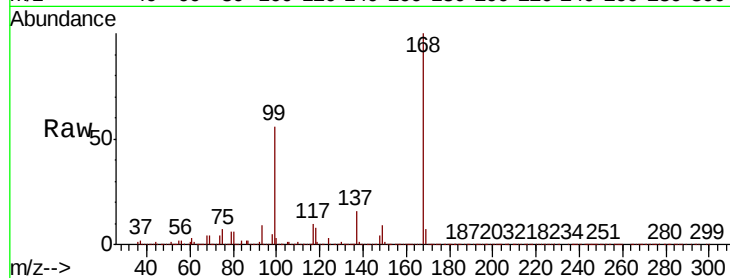
PB128009TB

Tot Ion:168 Resp: 1151757

Ion Ratio Lower Upper

168 100

99 55.8 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

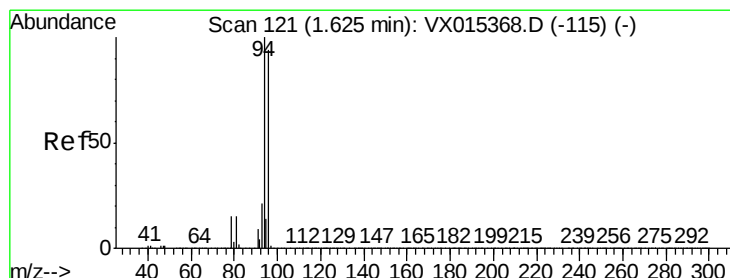
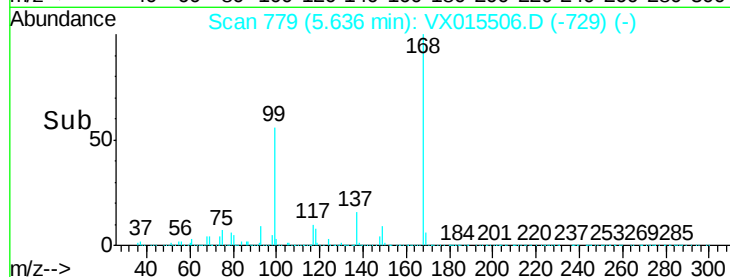
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015506.D

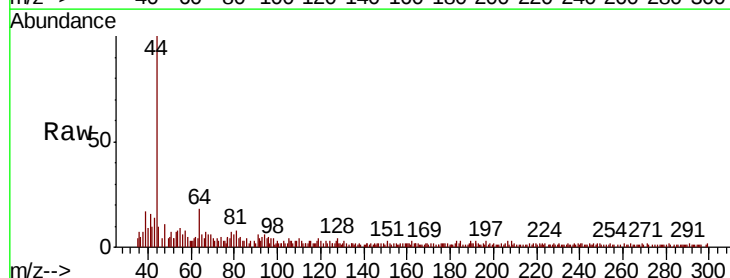
Acq: 06 Apr 2020 12:47

Tgt Ion: 94 Resp: 852

Ion Ratio Lower Upper

94 100

96 96.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

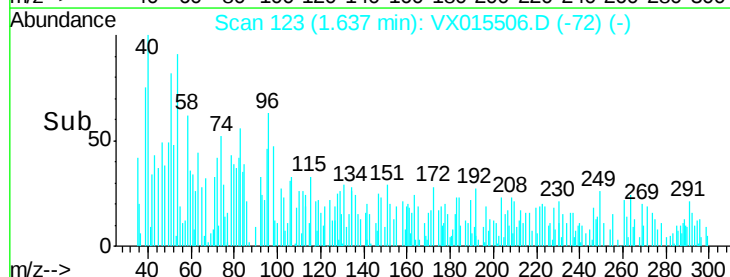
600

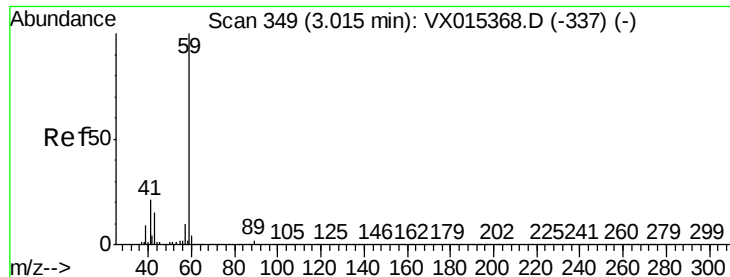
400

200

0

Time-->

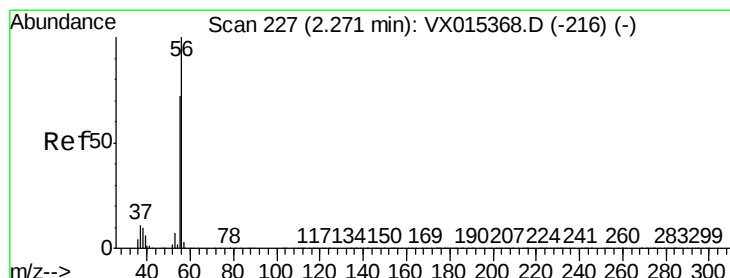
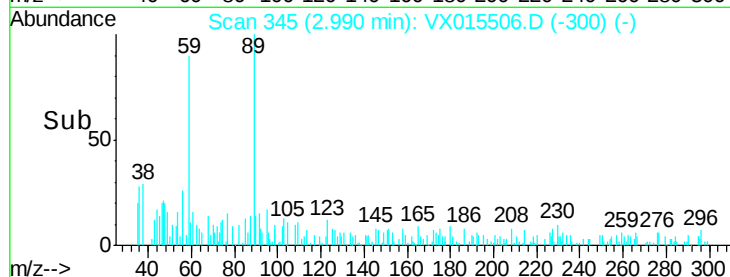
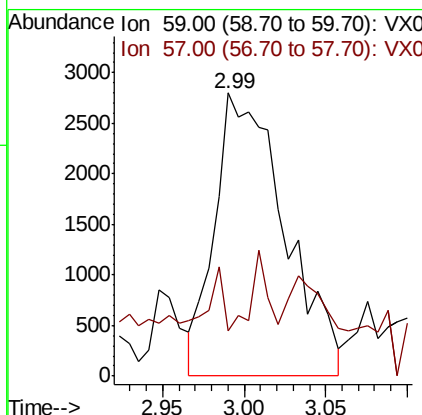
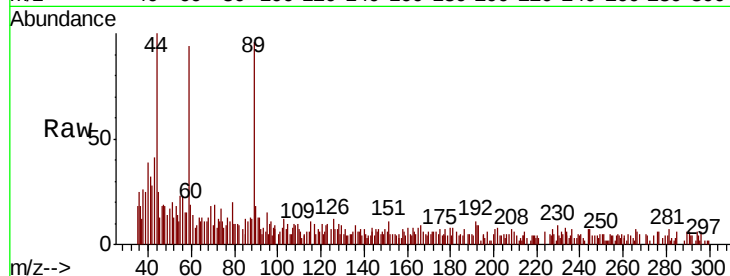




#11
Tert butyl alcohol
Concen: 2.157 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

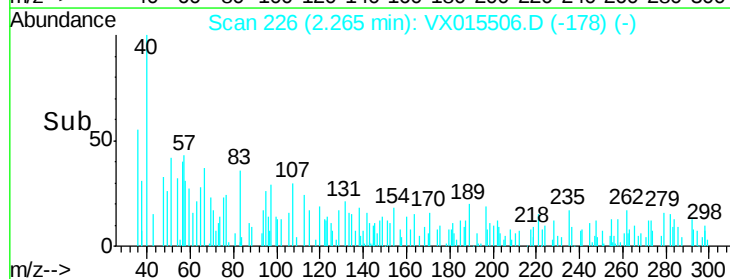
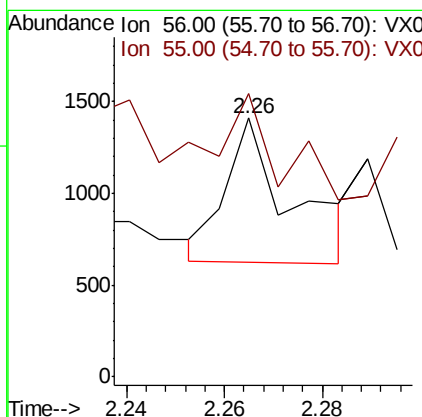
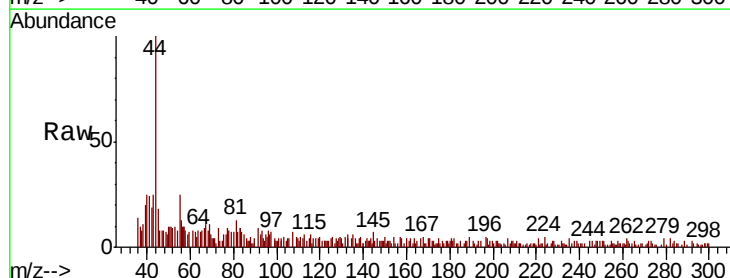
Instrument :
MSVOA_X
ClientSampleId :
PB128009TB

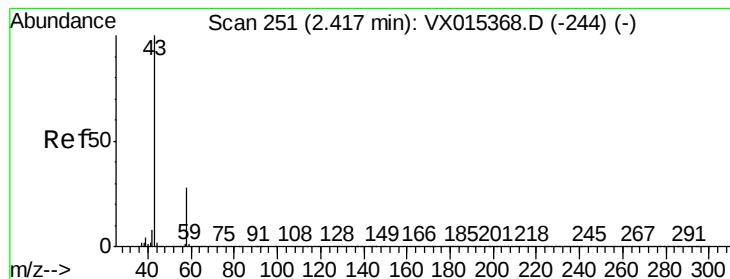
Tot Ion: 59 Resp: 8386
Ion Ratio Lower Upper
59 100
57 4.2 8.1 12.1#



#13
Acrolein
Concen: 0.329 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 6.488 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

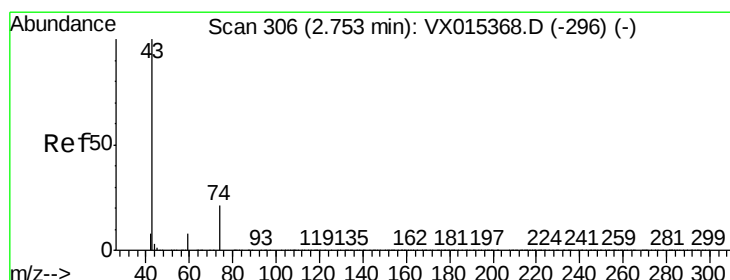
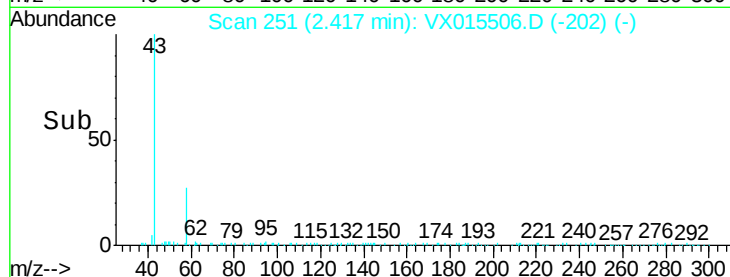
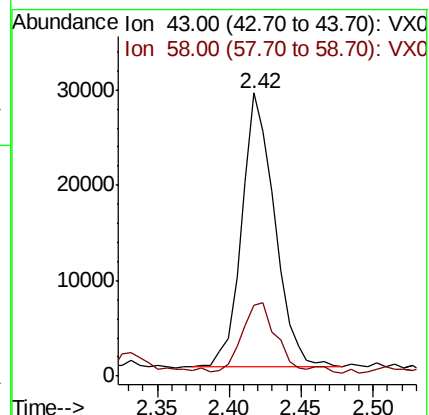
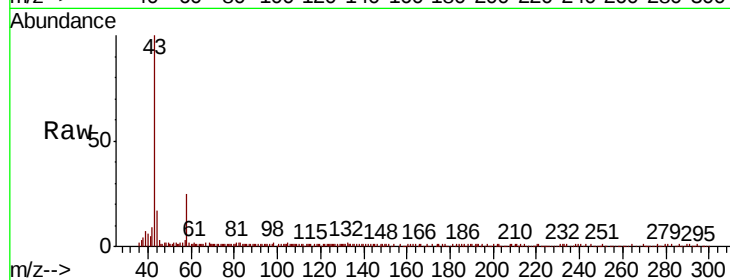
PB128009TB

Tot Ion: 43 Resp: 45277

Ion Ratio Lower Upper

43 100

58 25.0 22.1 33.1



#18

Methyl Acetate

Concen: 0.956 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015506.D

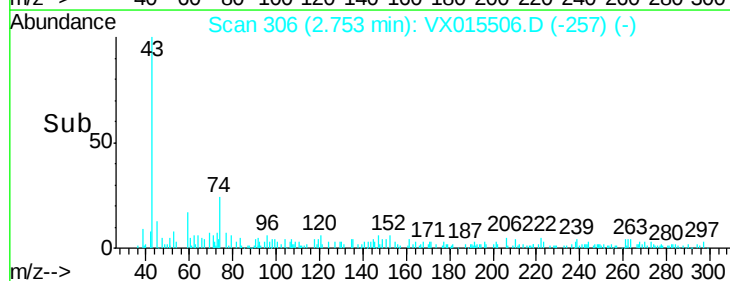
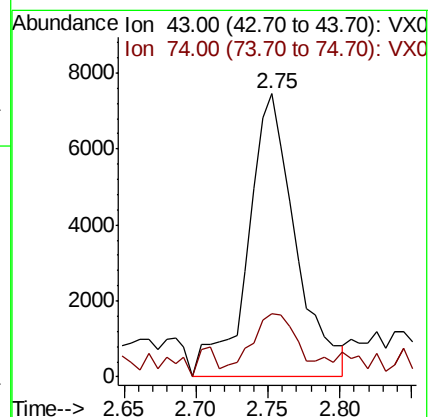
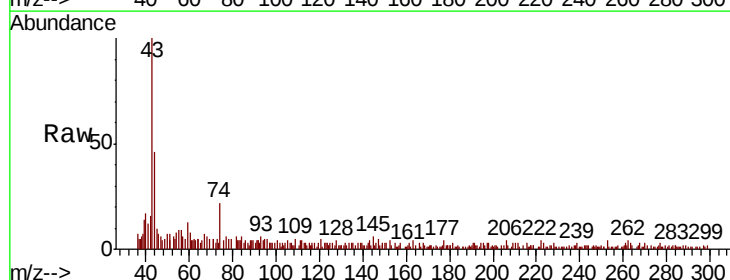
Acq: 06 Apr 2020 12:47

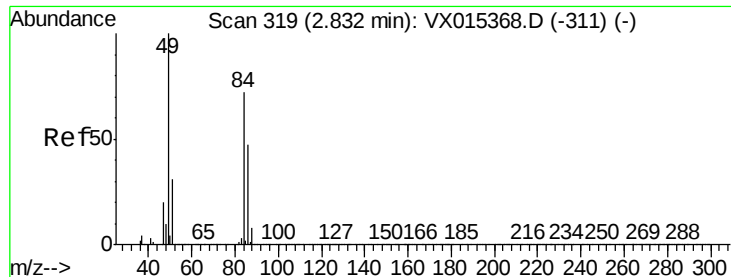
Tgt Ion: 43 Resp: 17030

Ion Ratio Lower Upper

43 100

74 14.6 16.5 24.7#

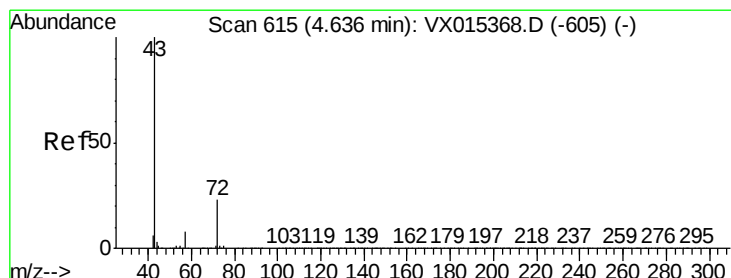
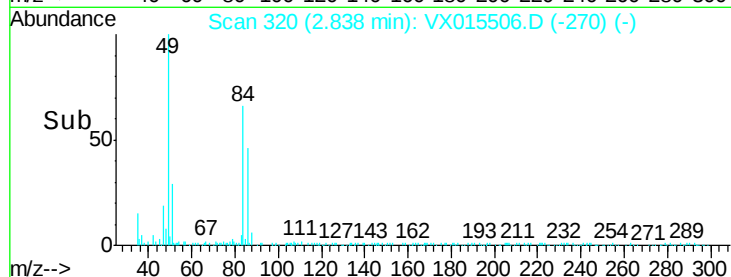
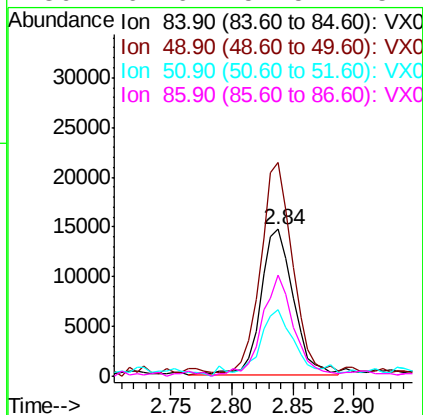
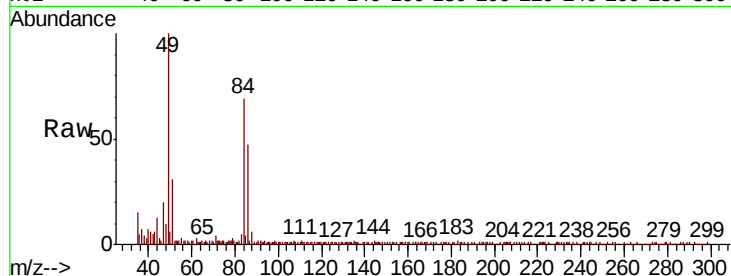




#20
Methvlene Chloride
Concen: 2.067 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

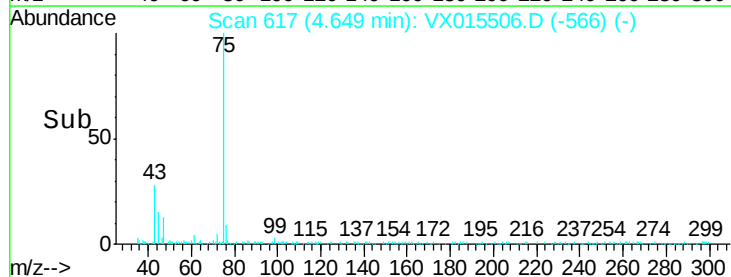
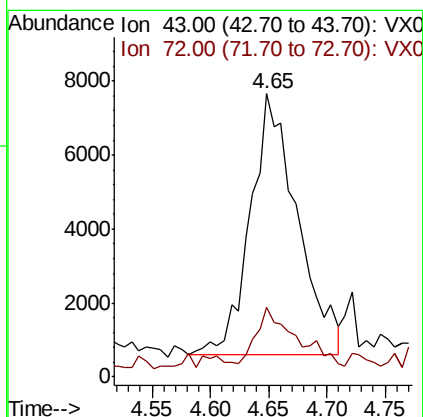
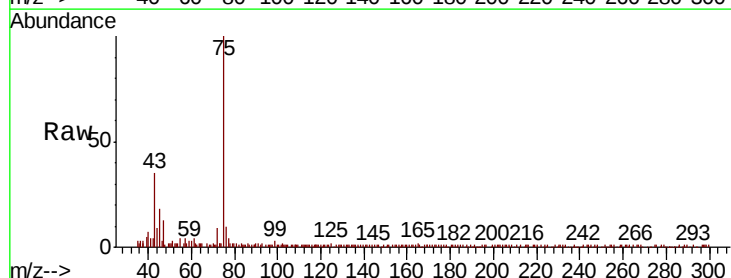
Instrument :
MSVOA_X
ClientSampleId :
PB128009TB

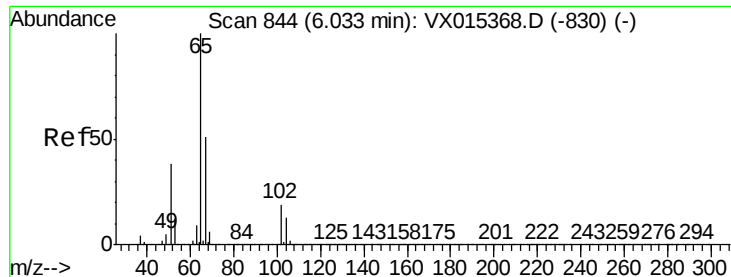
Tot Ion:	84	Resp:	26949
Ion	Ratio	Lower	Upper
84	100		
49	143.4	111.3	166.9
51	43.1	34.0	51.0
86	67.6	52.5	78.7



#25
2-Butanone
Concen: 1.775 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

Tgt Ion:	43	Resp:	19922
Ion	Ratio	Lower	Upper
43	100		
72	21.9	19.0	28.4





#33

1,2-Dichloroethane-d4

Concen: 47.575 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

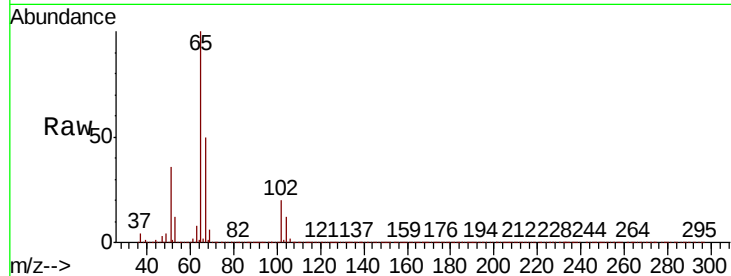
PB128009TB

Tot Ion: 65 Resp: 772827

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

300000

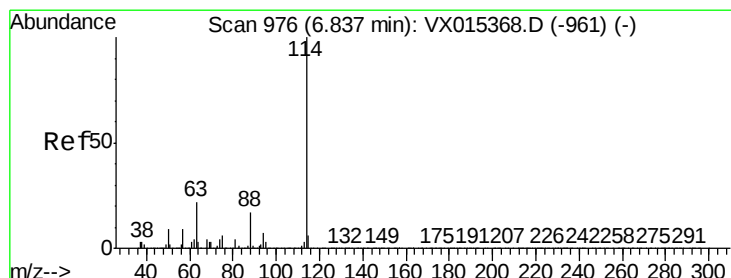
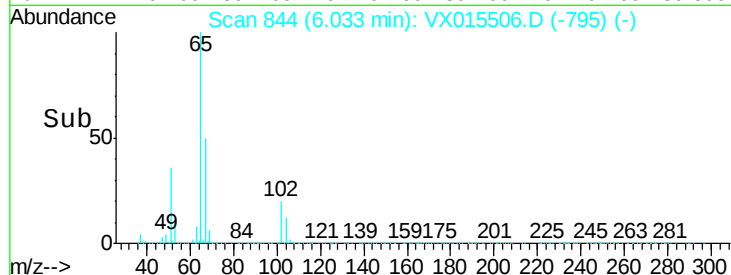
200000

100000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

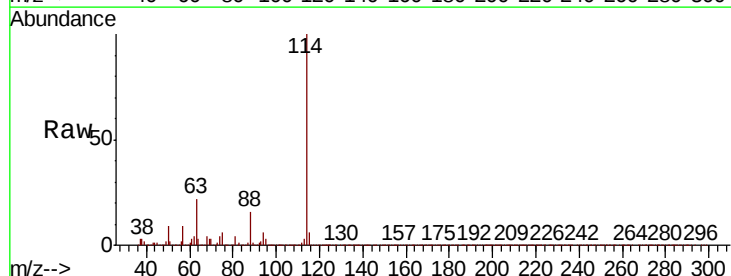
Tgt Ion: 114 Resp: 1868941

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

88 16.2 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

6.83

1000000

800000

600000

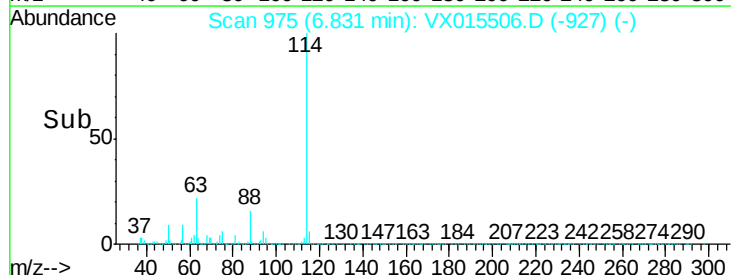
400000

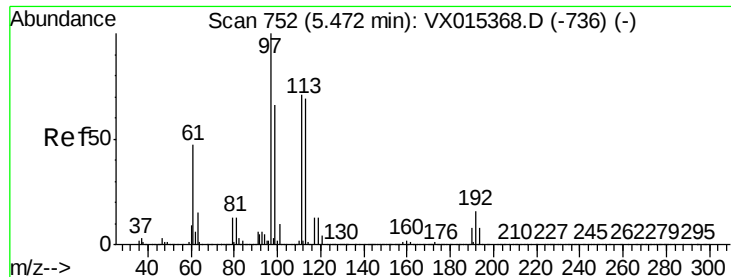
200000

0

Time-->

6.70 6.80 6.90 7.00 7.10

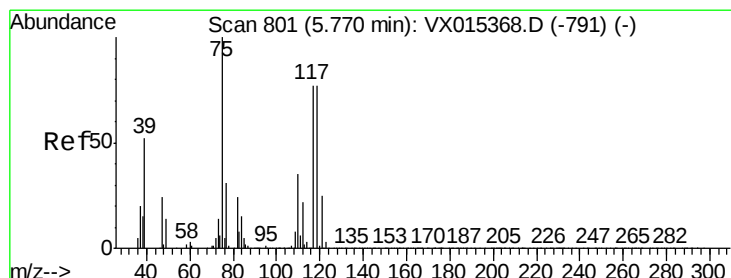
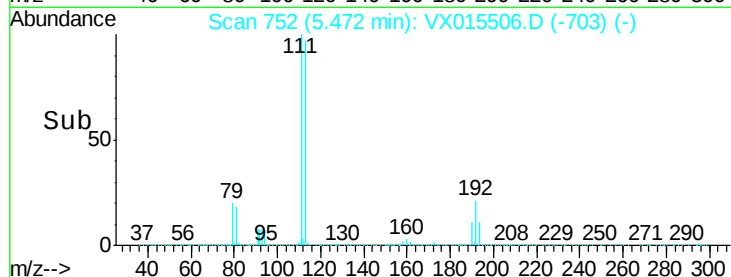
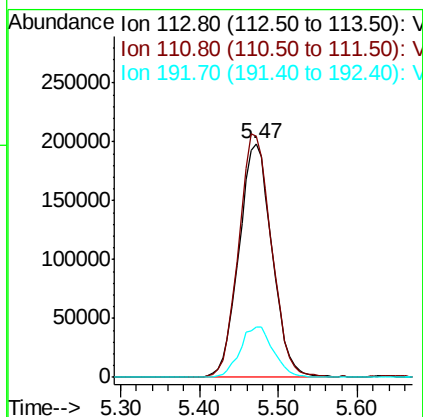
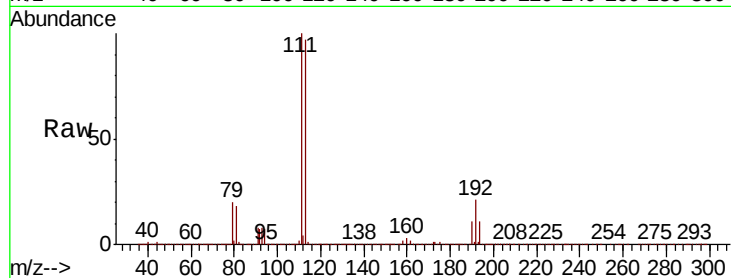




#35
Dibromofluoromethane
Concen: 48.359 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

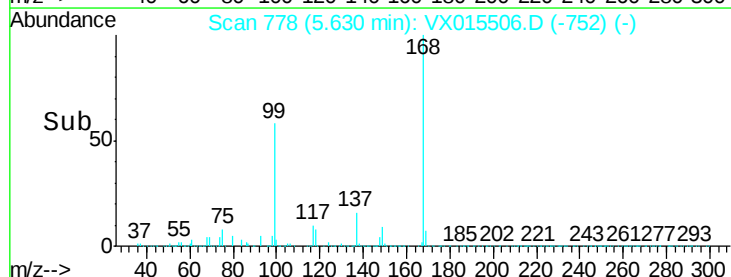
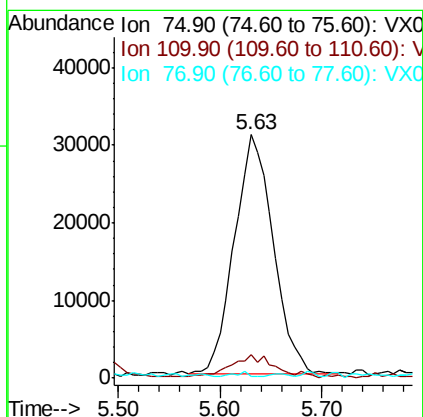
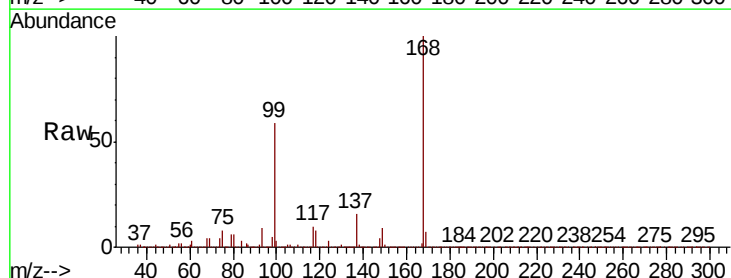
Instrument :
MSVOA_X
ClientSampled :
PB128009TB

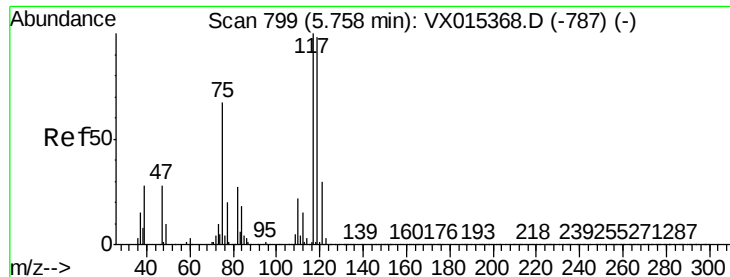
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	22.0	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.3#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampled :

PB128009TB

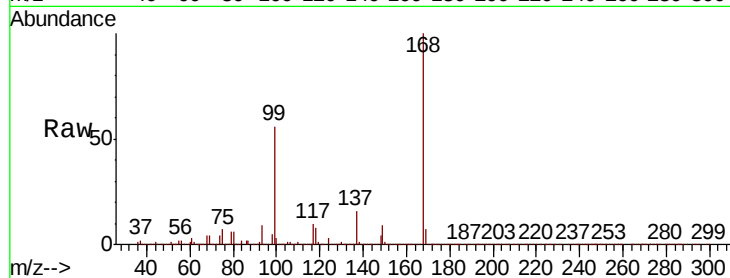
Tot Ion:117 Resp: 111748

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

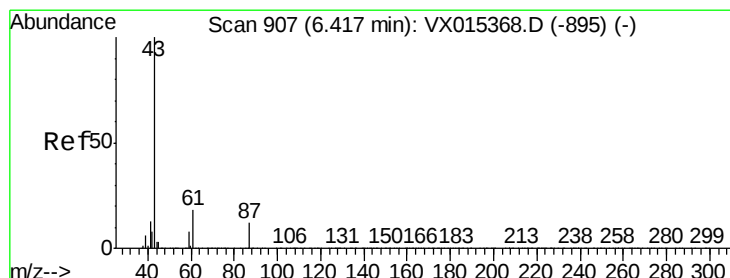
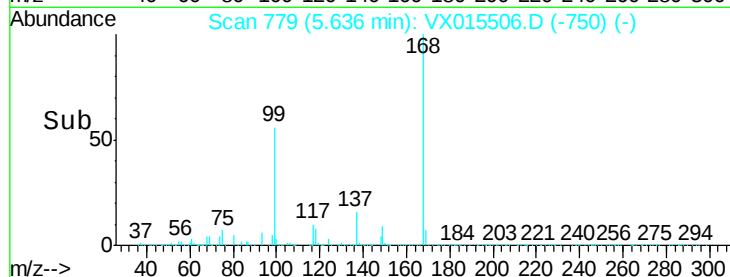
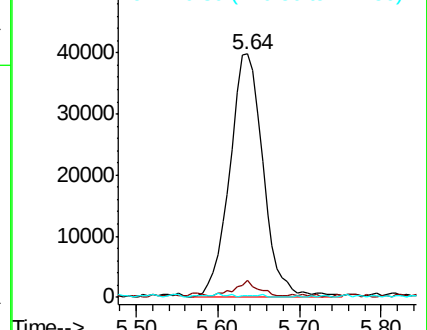
121 0.0 23.8 35.8#



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: 9.901 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

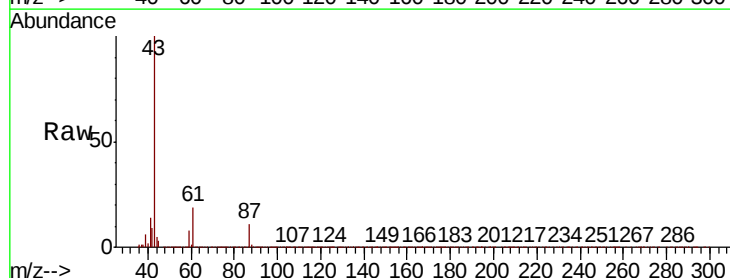
Tgt Ion: 43 Resp: 374749

Ion Ratio Lower Upper

43 100

61 17.7 14.8 22.2

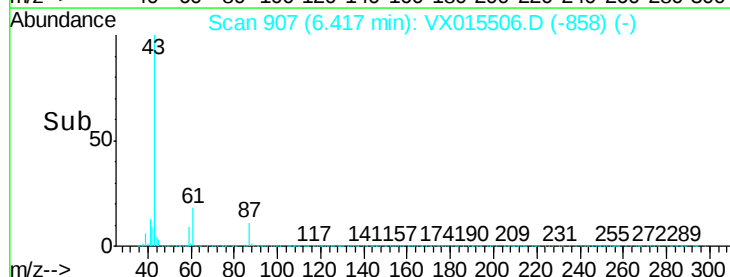
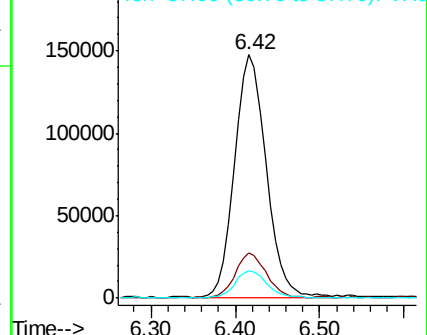
87 11.1 9.4 14.0

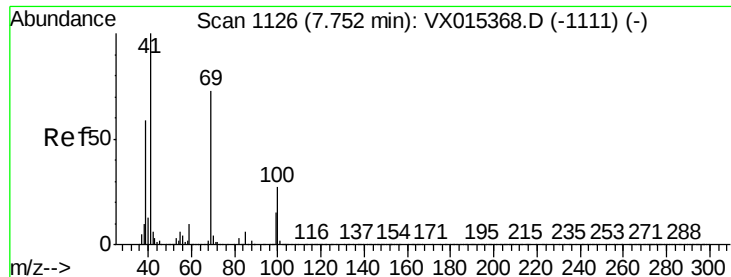


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

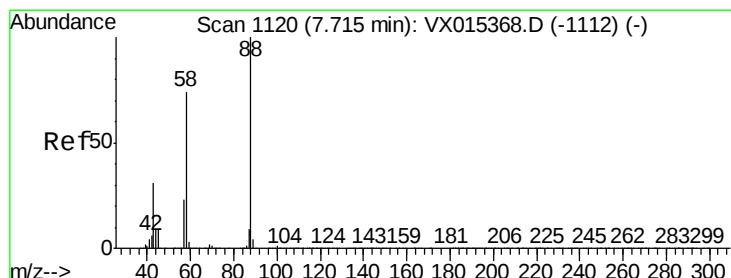
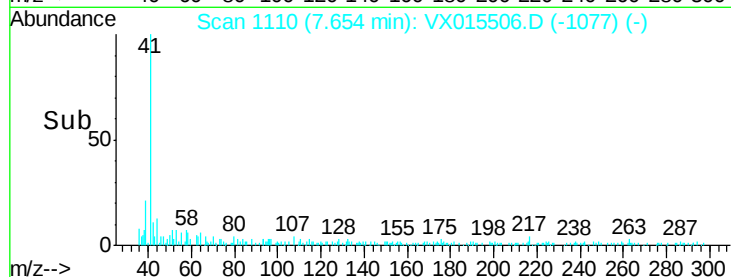
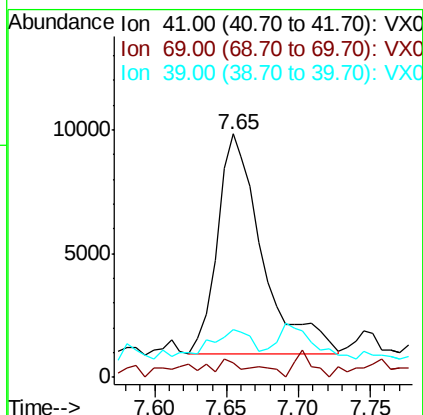
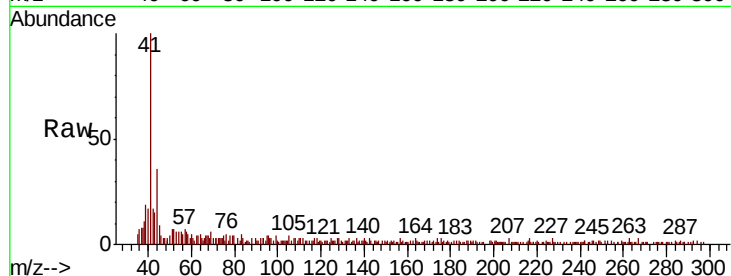




#48
Methvl methacrylate
Concen: 1.031 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

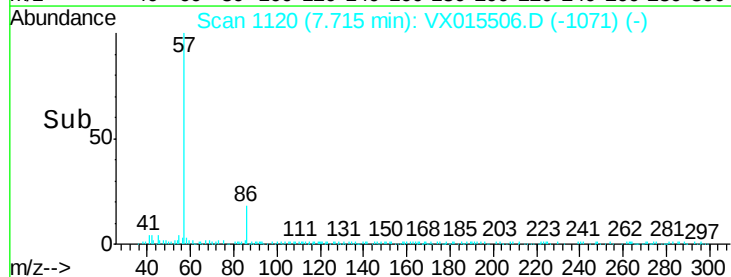
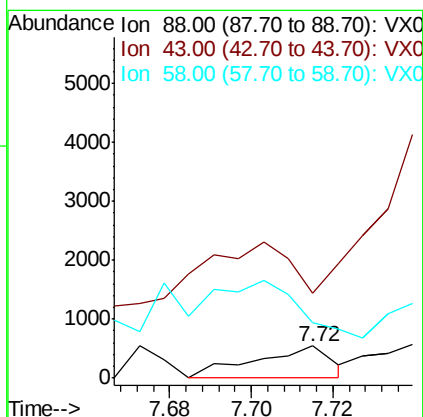
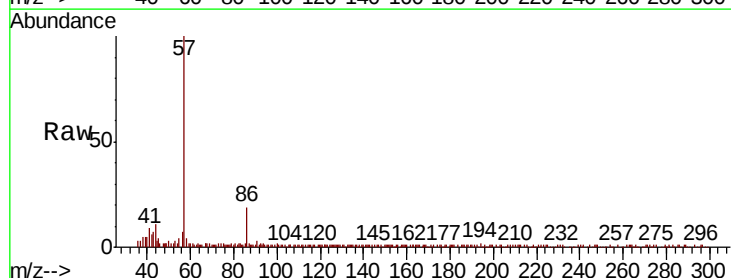
Instrument :
MSVOA_X
ClientSampled :
PB128009TB

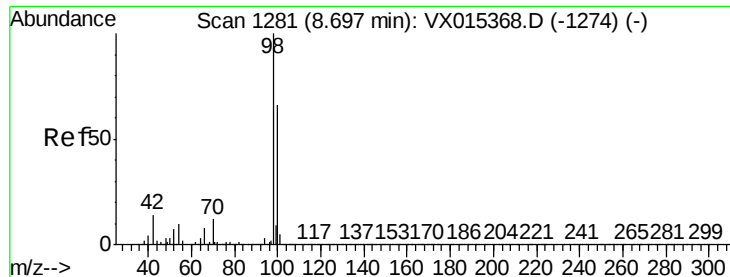
Tot Ion: 41 Resp: 19496
Ion Ratio Lower Upper
41 100
69 2.9 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 2.024 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015506.D
Acq: 06 Apr 2020 12:47

Tgt Ion: 88 Resp: 714
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 454.6 60.6 90.8#





#50

Toluene-d8

Concen: 50.504 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

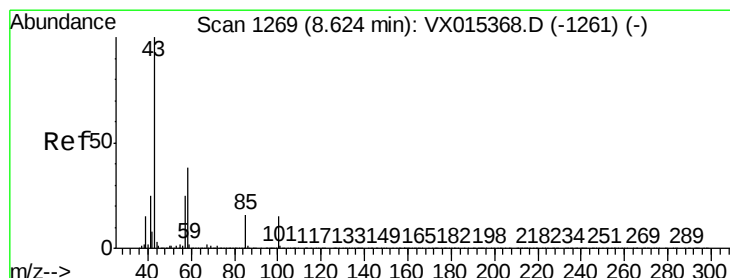
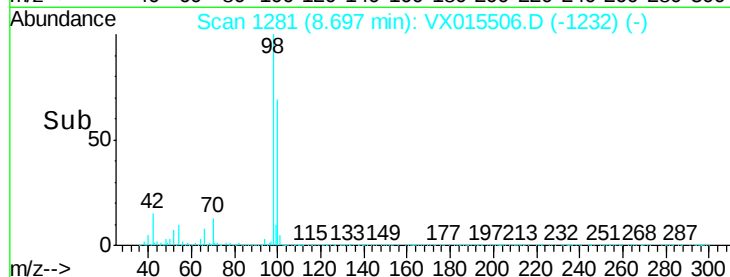
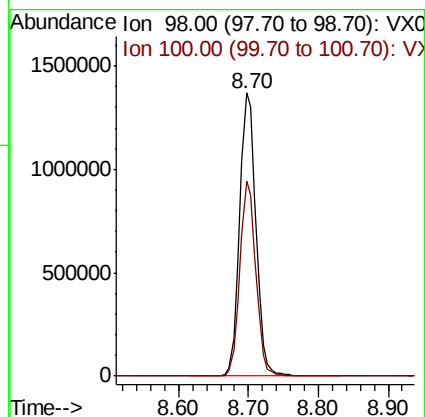
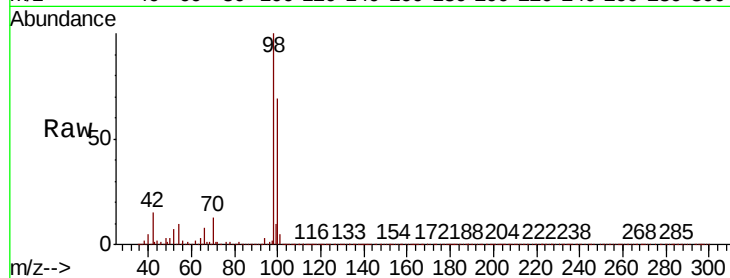
PB128009TB

Tot Ion: 98 Resp: 2221393

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 16.603 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015506.D

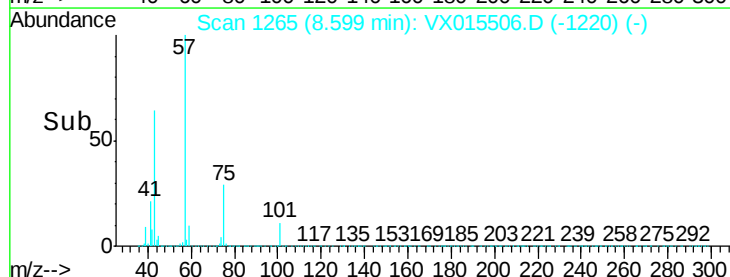
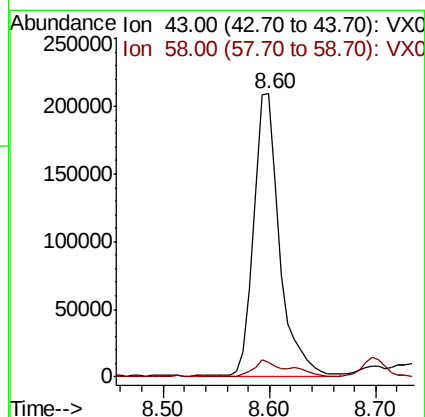
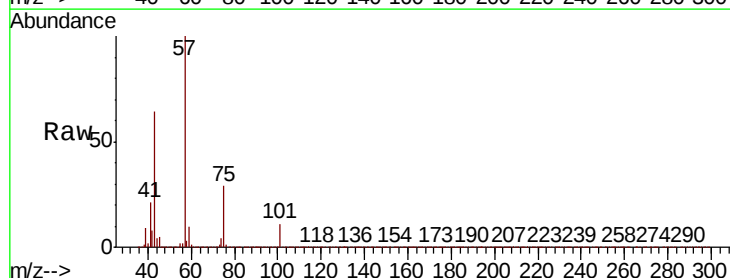
Acq: 06 Apr 2020 12:47

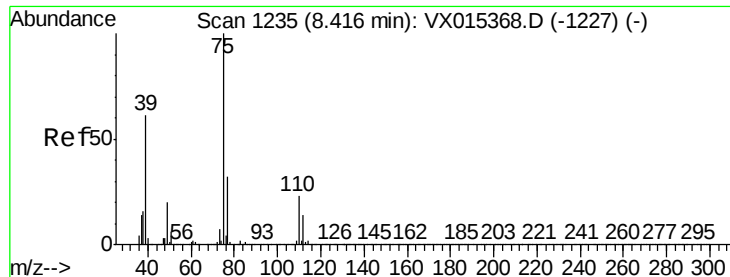
Tgt Ion: 43 Resp: 356136

Ion Ratio Lower Upper

43 100

58 7.9 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.195 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

PB128009TB

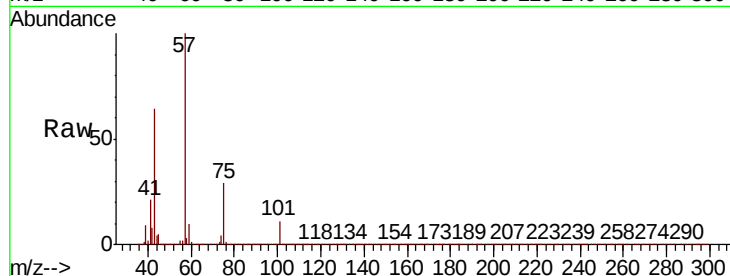
Tot Ion: 75 Resp: 142743

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

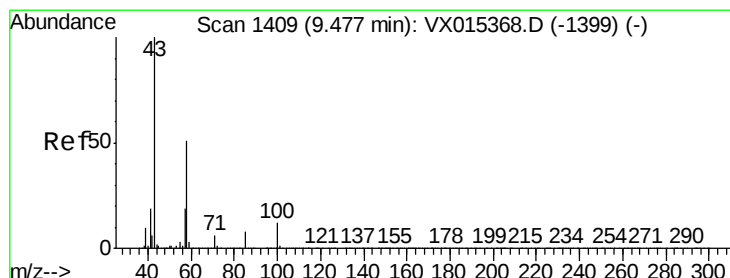
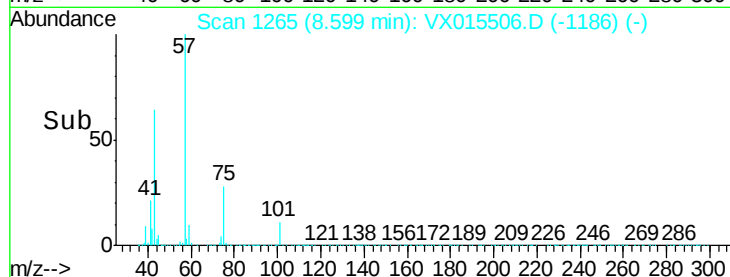
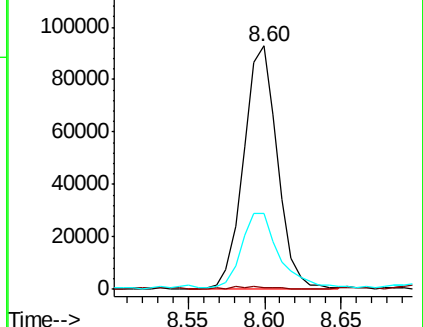
39 30.0 49.0 73.4#



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: 20.637 ug/l

RT: 9.42 min Scan# 1400

Delta R.T. -0.05 min

Lab File: VX015506.D

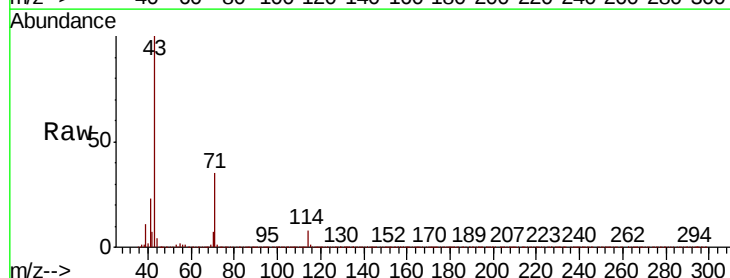
Acq: 06 Apr 2020 12:47

Tgt Ion: 43 Resp: 334206

Ion Ratio Lower Upper

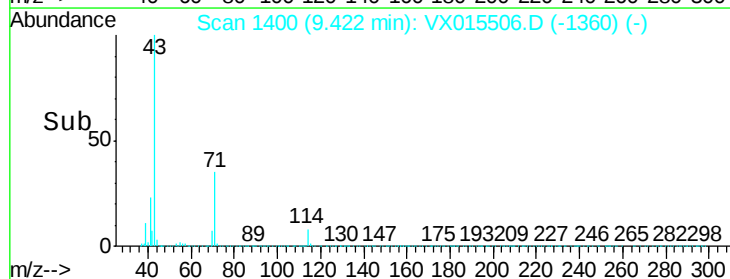
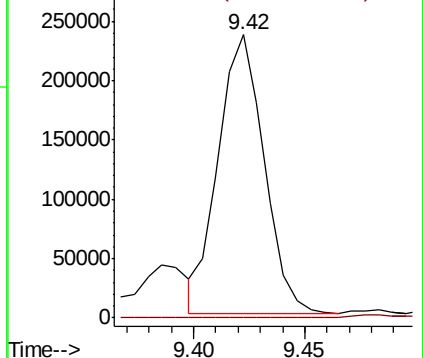
43 100

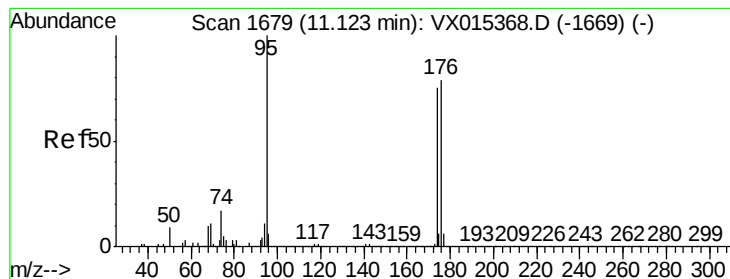
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.599 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampled :

PB128009TB

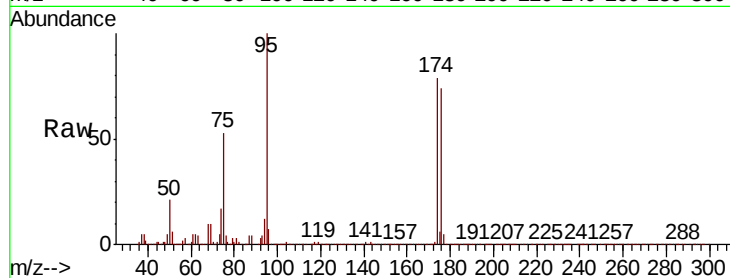
Tot Ion: 95 Resp: 975991

Ion Ratio Lower Upper

95 100

174 81.8 0.0 158.6

176 78.1 0.0 159.0

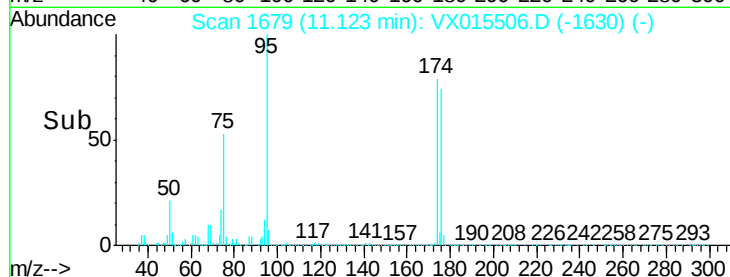


Abundance Ion 94.90 (94.60 to 95.60): VX015506.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015506.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015506.D (-1630) (-)

Time-->

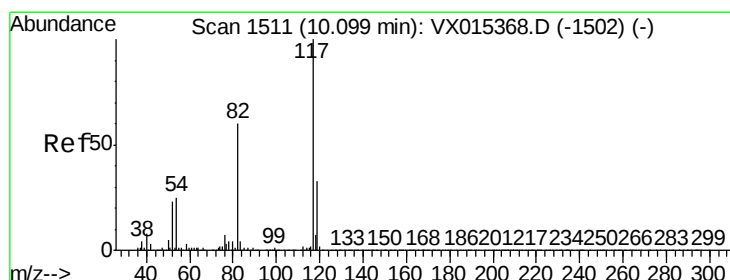


Abundance Ion 94.90 (94.60 to 95.60): VX015506.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015506.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015506.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: VX015506.D

Acq: 06 Apr 2020 12:47

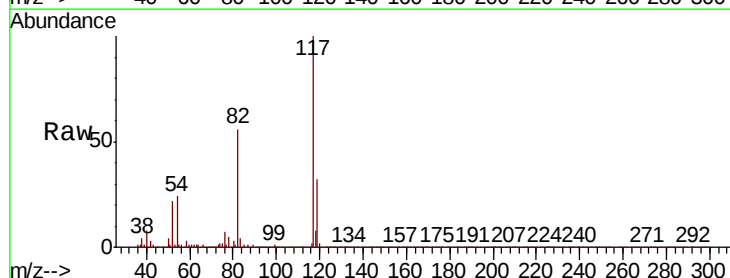
Tgt Ion: 117 Resp: 1779753

Ion Ratio Lower Upper

117 100

82 56.4 47.8 71.8

119 32.1 26.8 40.2

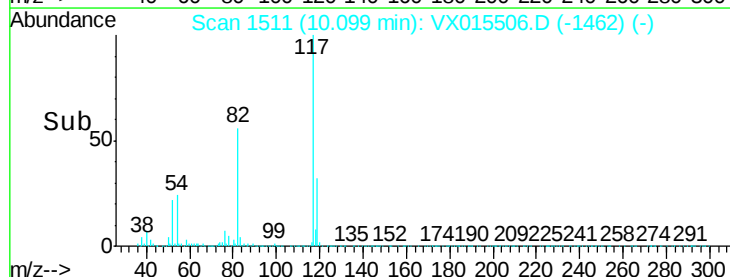


Abundance Ion 116.90 (116.60 to 117.60): VX015506.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015506.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015506.D (-1462) (-)

Time-->

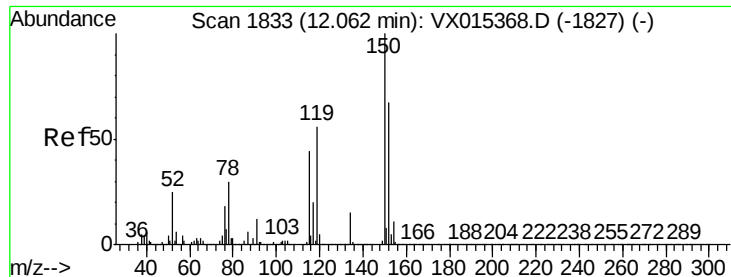


Abundance Ion 116.90 (116.60 to 117.60): VX015506.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015506.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015506.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: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

PB128009TB

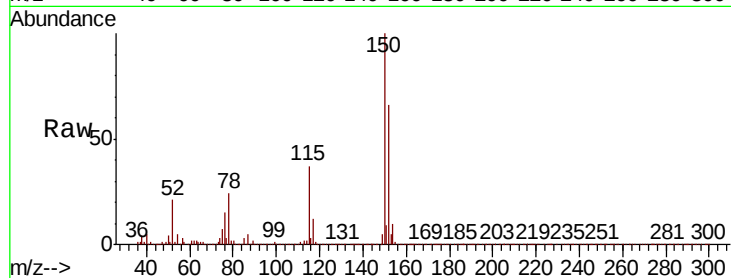
Tot Ion:152 Resp: 974451

Ion Ratio Lower Upper

152 100

115 58.9 39.0 116.9

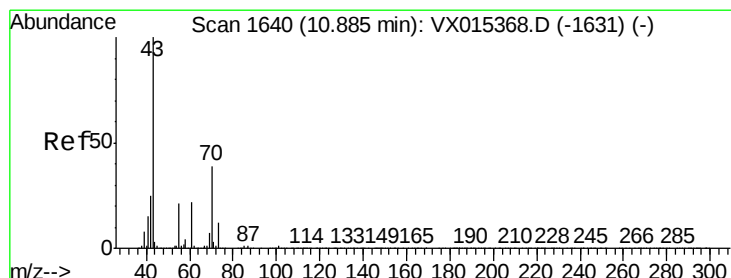
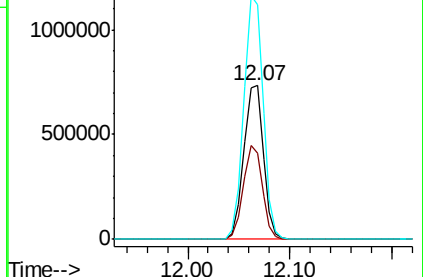
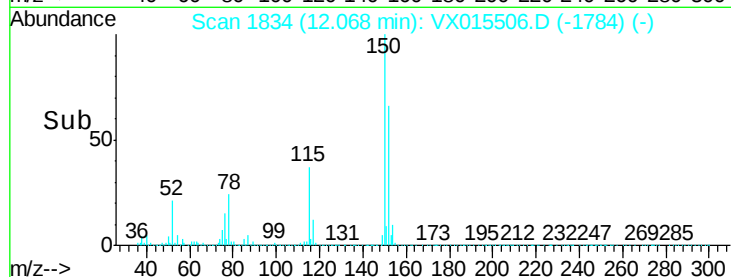
150 155.6 0.0 340.8



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-aryl acetate

Concen: 0.498 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Tgt Ion: 43 Resp: 17697

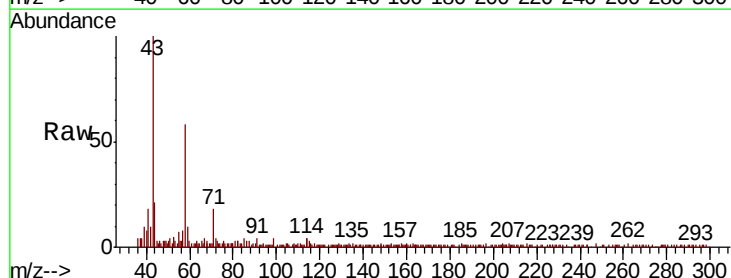
Ion Ratio Lower Upper

43 100

70 2.6 30.2 45.4#

55 6.7 16.8 25.2#

61 0.0 18.2 27.2#

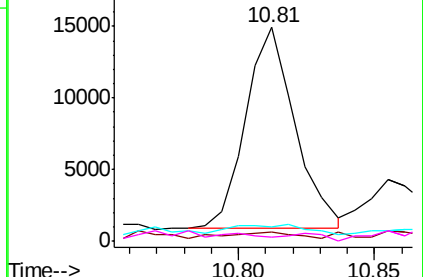
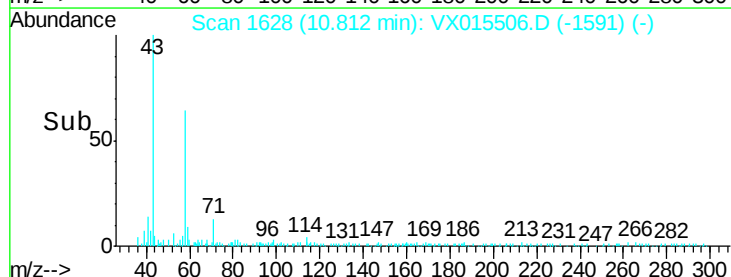


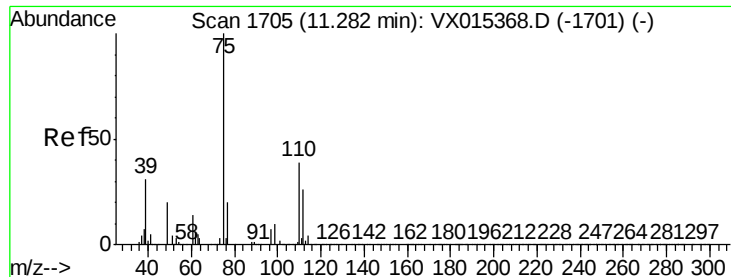
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.494 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

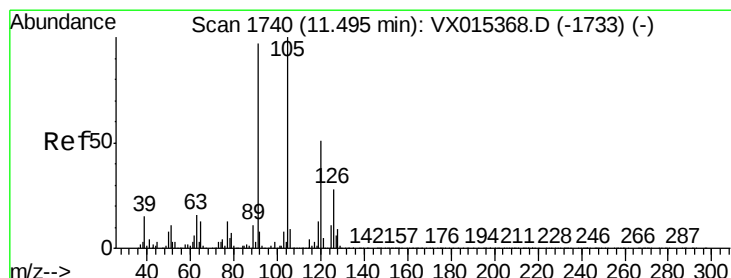
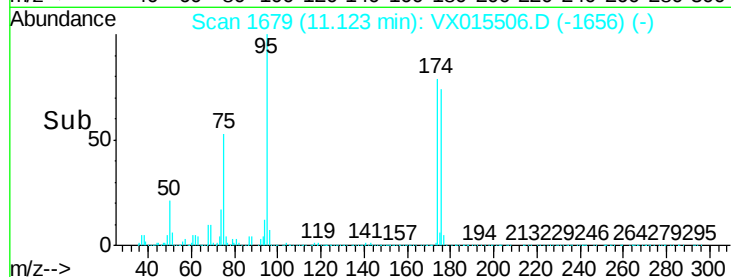
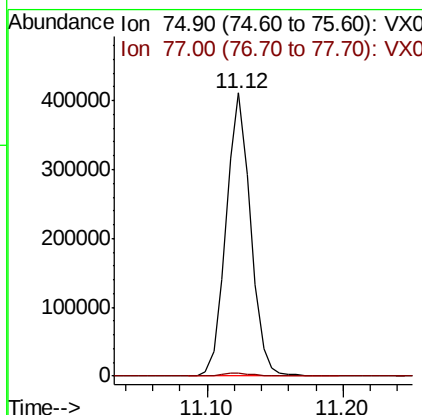
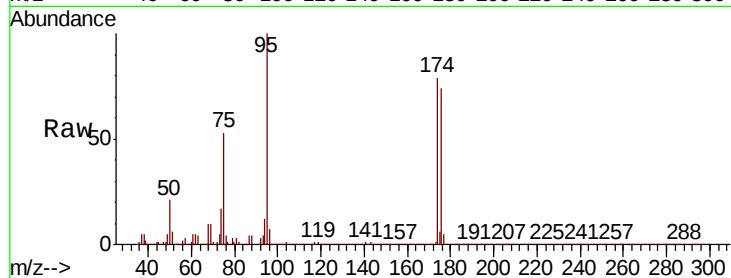
PB128009TB

Tot Ion: 75 Resp: 510879

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.502 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015506.D

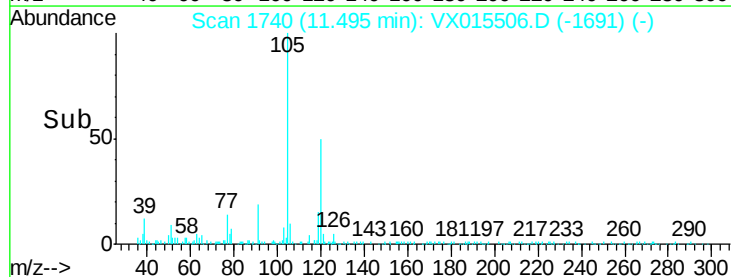
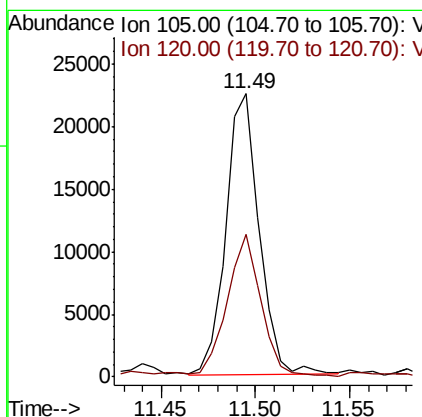
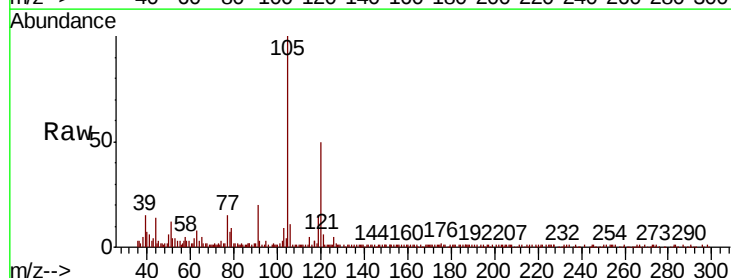
Acq: 06 Apr 2020 12:47

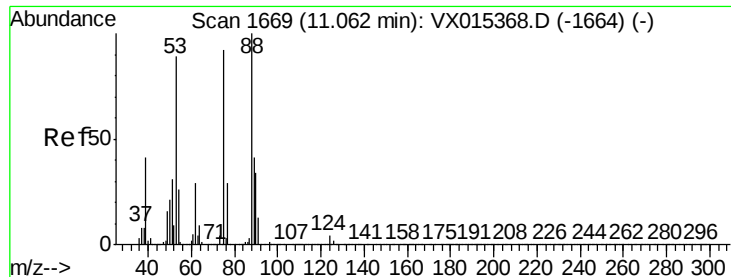
Tgt Ion: 105 Resp: 27366

Ion Ratio Lower Upper

105 100

120 52.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.173 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015506.D

Acq: 06 Apr 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

PB128009TB

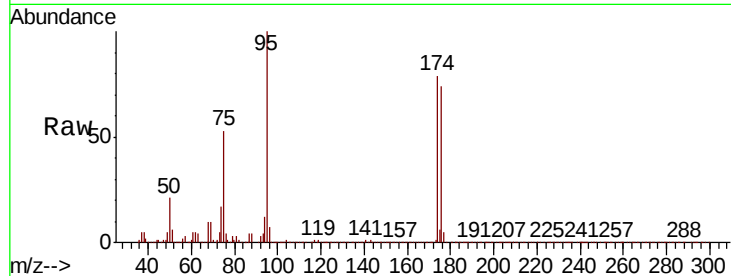
Tot Ion: 75 Resp: 510879

Ion Ratio Lower Upper

75 100

53 0.0 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

