

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015493.D
 Acq On : 02 Apr 2020 19:31
 Operator : JC/SP
 Sample : PB127948ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#15

Quant Time: Apr 03 08:04:22 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	5.63	168	1110400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1790605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1701822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	923347	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	756972	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.48	113	563784	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.70	98	2157848	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.12	95	935975	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	

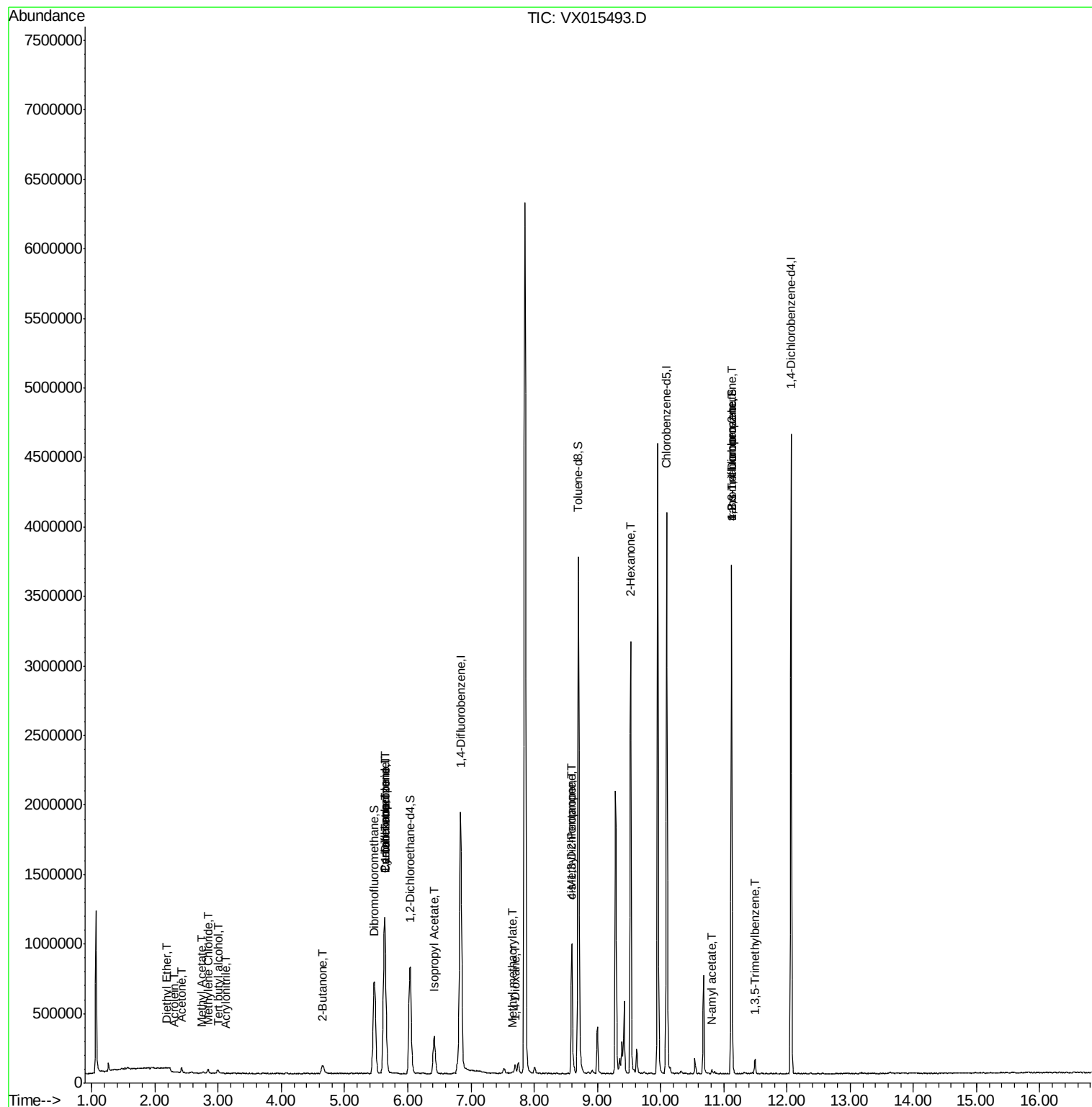
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	1167	Below Cal		97
8) Diethyl Ether	2.19	74	1327	0.205	ug/l	62
11) Tert butyl alcohol	3.00	59	17808	4.751	ug/l #	80
13) Acrolein	2.30	56	749	0.351	ug/l #	14
15) Acrylonitrile	3.11	53	1535	0.215	ug/l #	66
16) Acetone	2.42	43	47371	7.041	ug/l	95
18) Methyl Acetate	2.75	43	13804	0.804	ug/l	99
20) Methylene Chloride	2.84	84	12300	0.979	ug/l	95
25) 2-Butanone	4.65	43	12636	1.168	ug/l #	84
31) Cyclohexane	5.63	56	25876	1.305	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	85394	5.176	ug/l #	53
38) Carbon Tetrachloride	5.64	117	110414	6.179	ug/l #	14
43) Isopropyl Acetate	6.42	43	391730	10.802	ug/l	98
48) Methyl methacrylate	7.65	41	19462	1.074	ug/l #	19
49) 1,4-Dioxane	7.70	88	293	0.867	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	375104	18.252	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	148730	6.737	ug/l #	54
59) 2-Hexanone	9.53	43	400347	25.802	ug/l #	51
74) N-amyl acetate	10.81	43	16829	0.500	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	484096	25.495	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	48138	0.932	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.12	75	484096	61.174	ug/l #	10

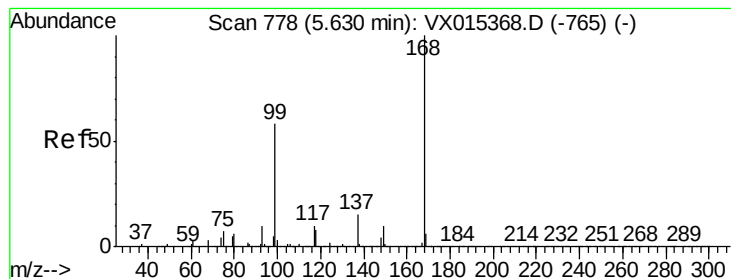
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 08:04:22 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: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

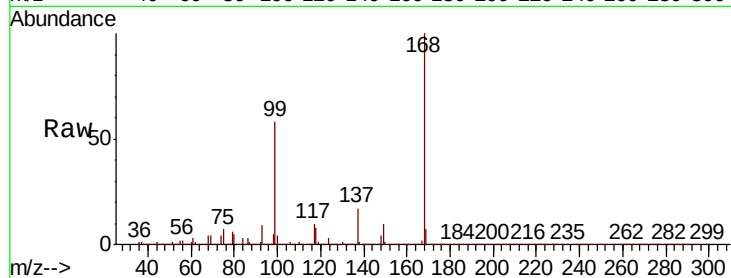
PB127948ZHE#15

Tot Ion:168 Resp: 1110400

Ion Ratio Lower Upper

168 100

99 58.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

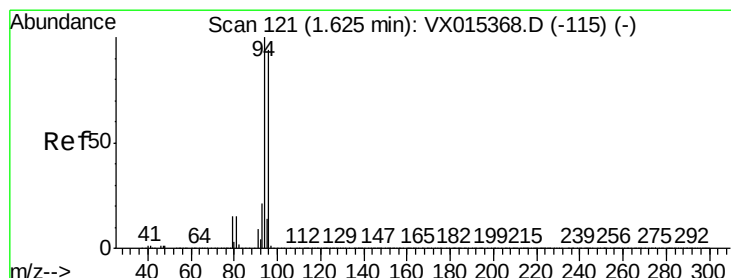
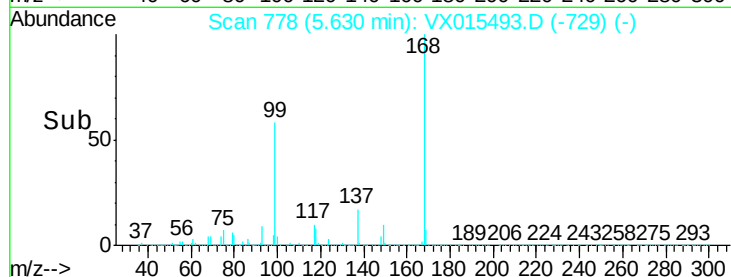
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015493.D

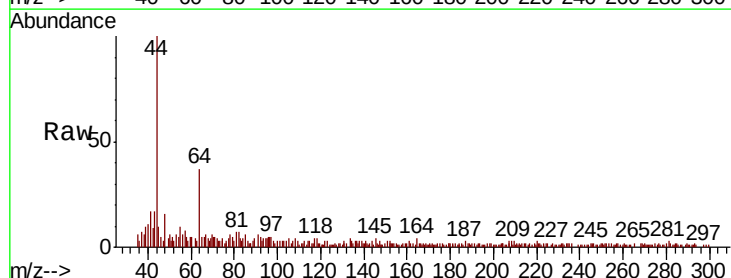
Acq: 02 Apr 2020 19:31

Tgt Ion: 94 Resp: 1167

Ion Ratio Lower Upper

94 100

96 90.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

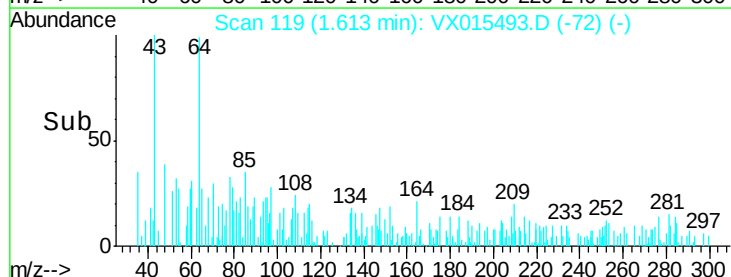
1000

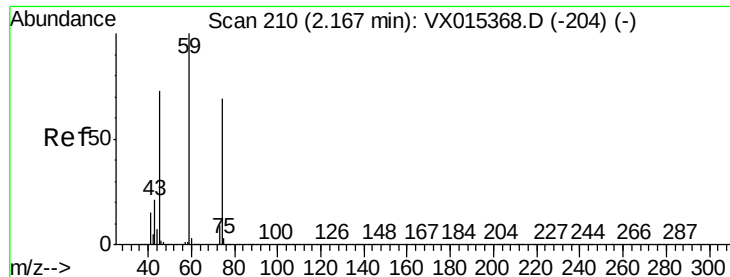
500

0

Time-->

1.58 1.60 1.62 1.64





#8

Diethyl Ether

Concen: 0.205 ug/l

RT: 2.19 min Scan# 214

Delta R.T. 0.02 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

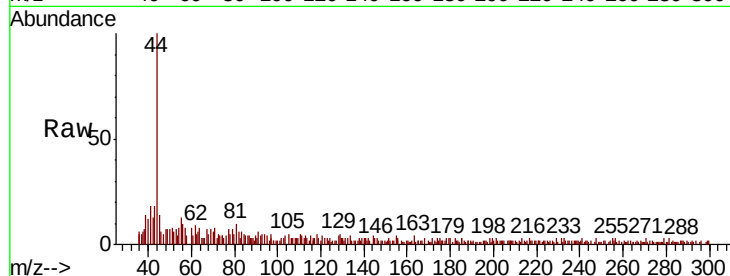
PB127948ZHE#15

Tot Ion: 74 Resp: 1327

Ion Ratio Lower Upper

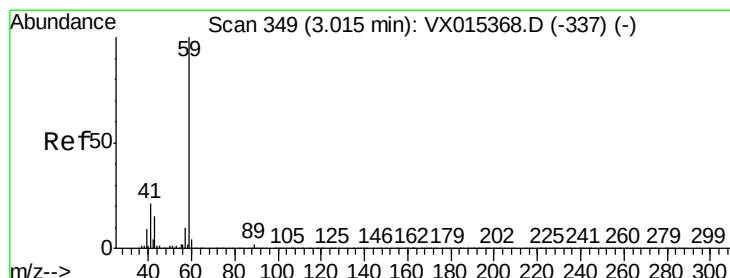
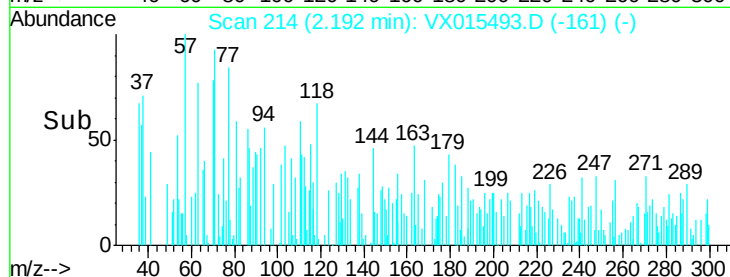
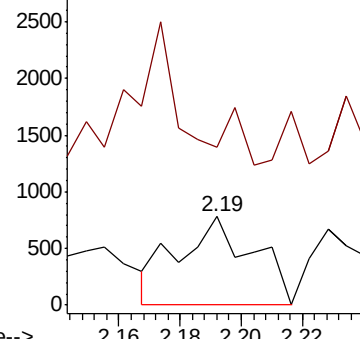
74 100

45 146.9 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 4.751 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015493.D

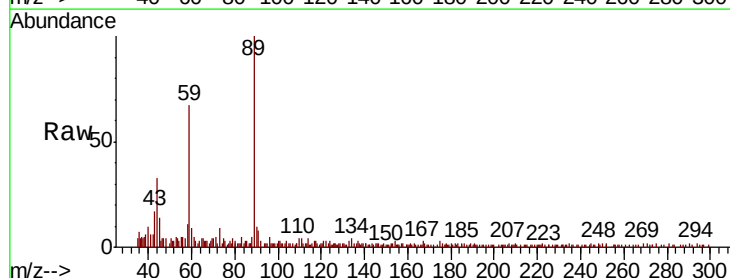
Acq: 02 Apr 2020 19:31

Tgt Ion: 59 Resp: 17808

Ion Ratio Lower Upper

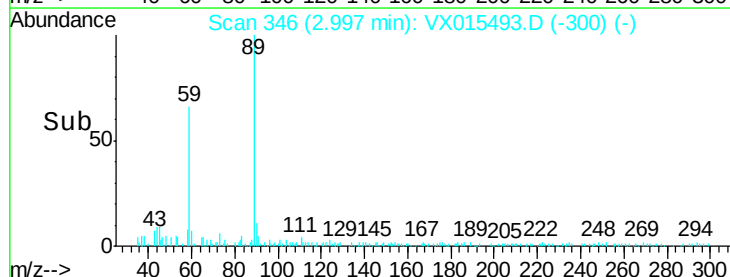
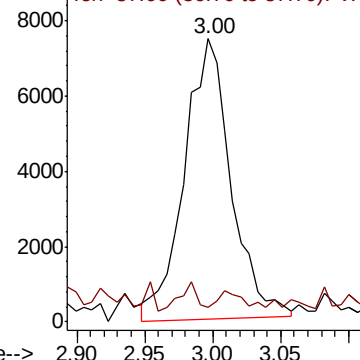
59 100

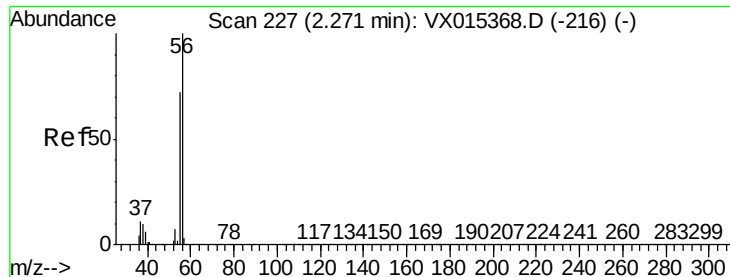
57 2.6 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.351 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.03 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

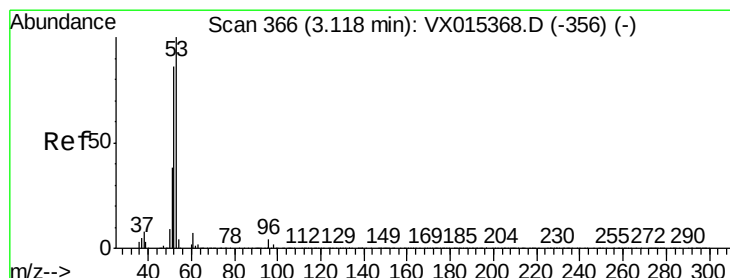
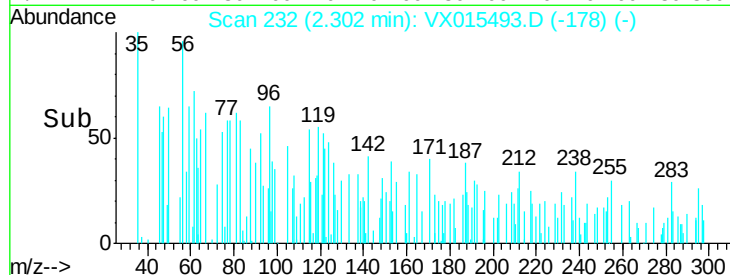
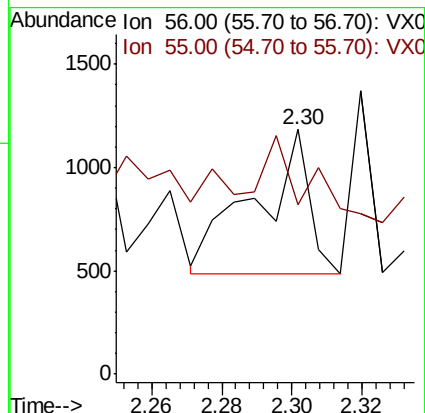
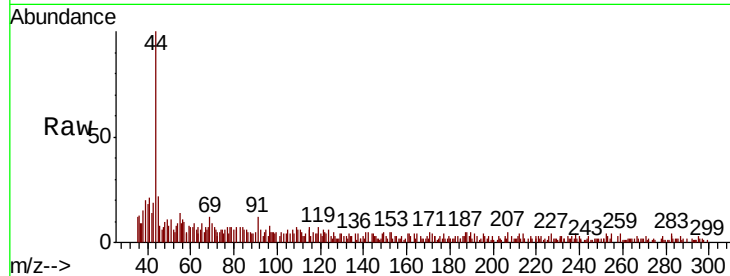
PB127948ZHE#15

Tot Ion: 56 Resp: 749

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

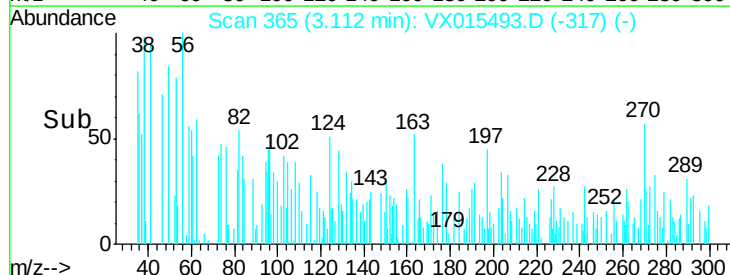
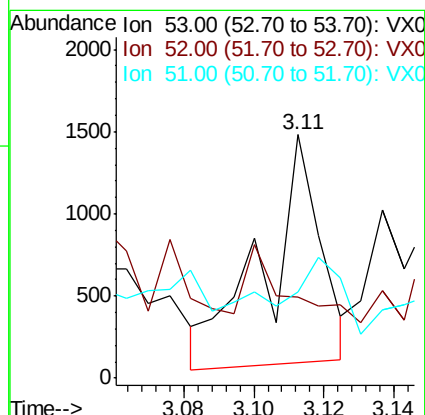
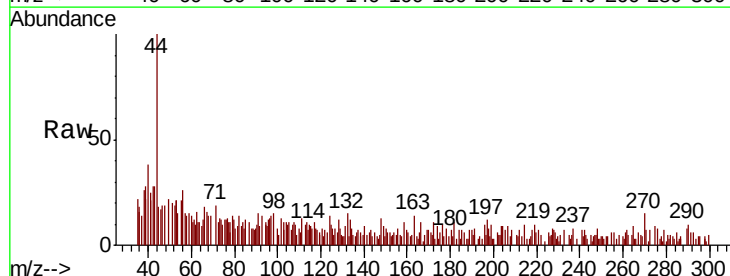
Tgt Ion: 53 Resp: 1535

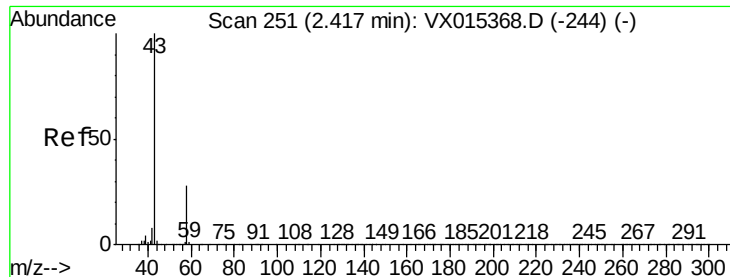
Ion Ratio Lower Upper

53 100

52 47.5 66.8 100.2#

51 25.5 29.5 44.3#

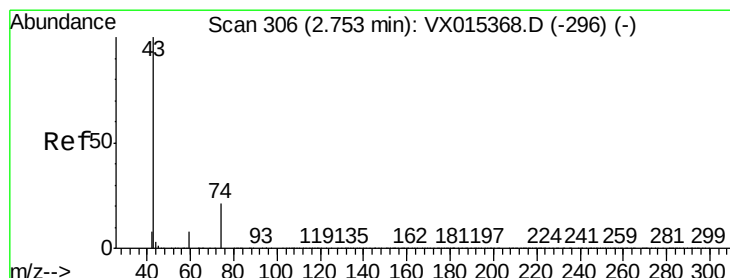
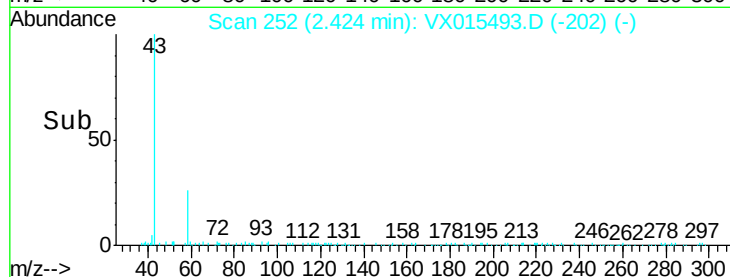
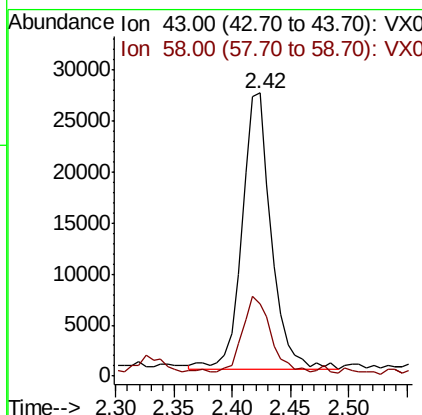
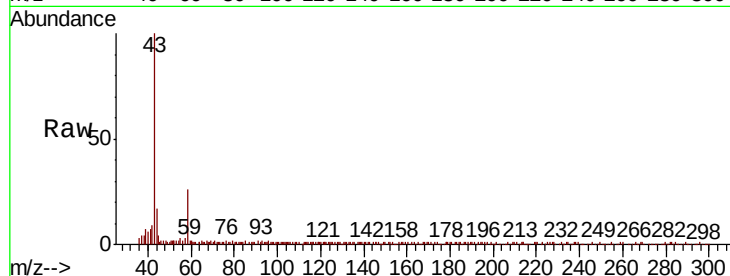




#16
Acetone
Concen: 7.041 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

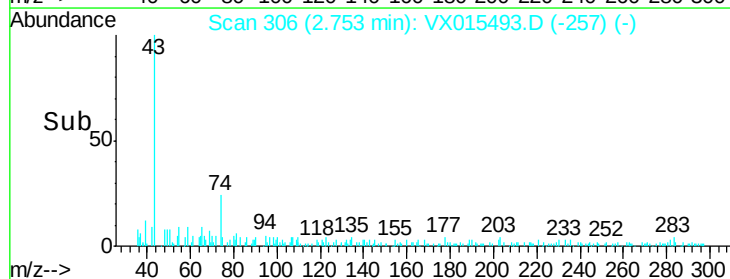
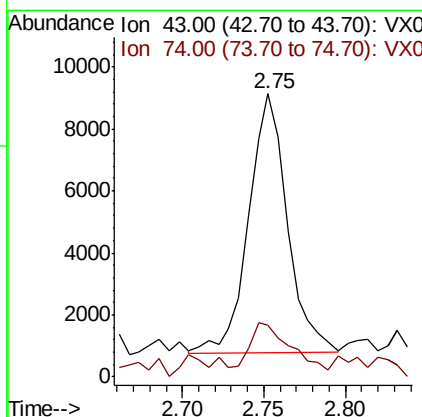
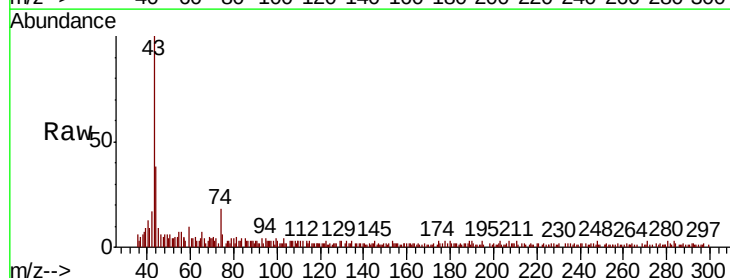
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#15

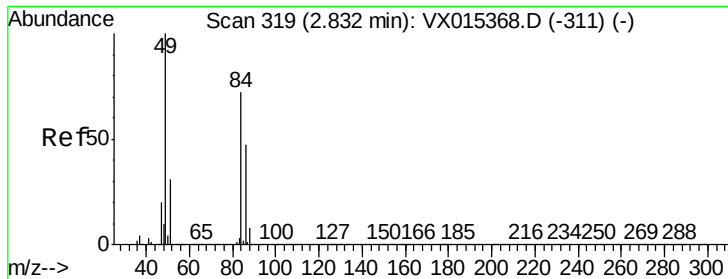
Tot Ion: 43 Resp: 47371
Ion Ratio Lower Upper
43 100
58 25.1 22.1 33.1



#18
Methyl Acetate
Concen: 0.804 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion: 43 Resp: 13804
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7

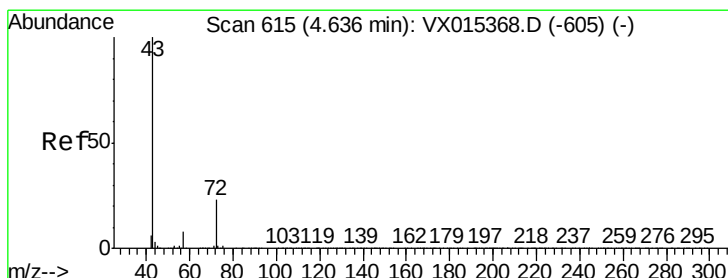
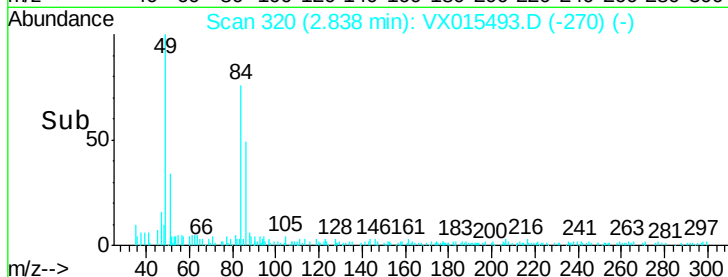
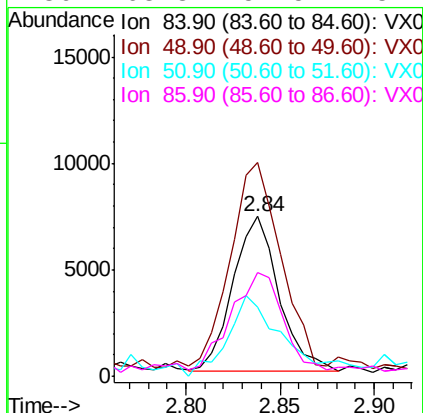
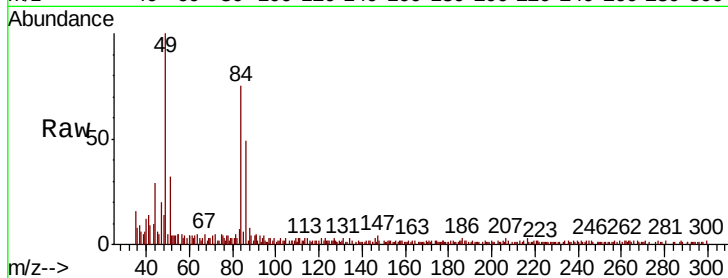




#20
Methylene Chloride
Concen: 0.979 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

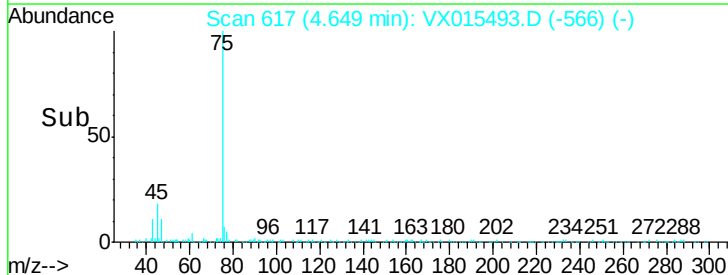
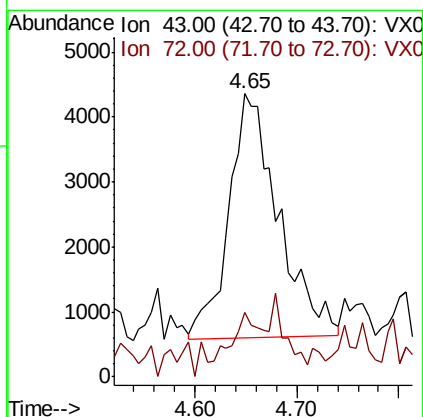
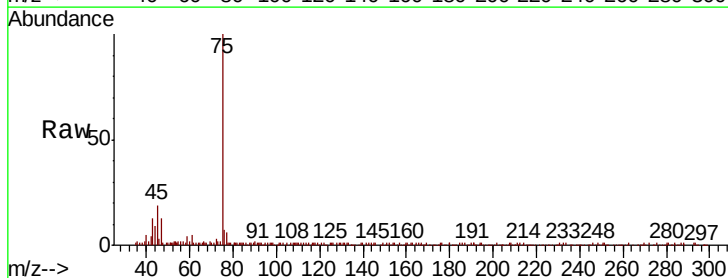
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#15

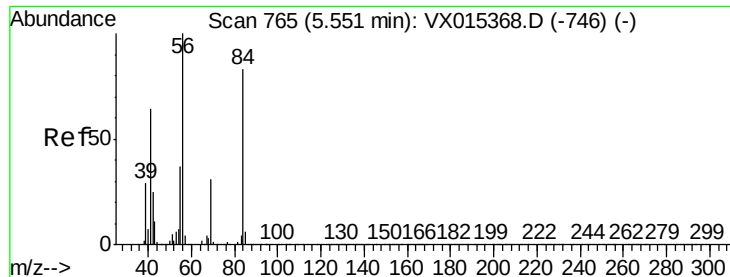
Tot Ion:	84	Resp:	12300
Ion	Ratio	Lower	Upper
84	100		
49	131.3	111.3	166.9
51	44.9	34.0	51.0
86	63.3	52.5	78.7



#25
2-Butanone
Concen: 1.168 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion:	43	Resp:	12636
Ion	Ratio	Lower	Upper
43	100		
72	15.8	19.0	28.4#

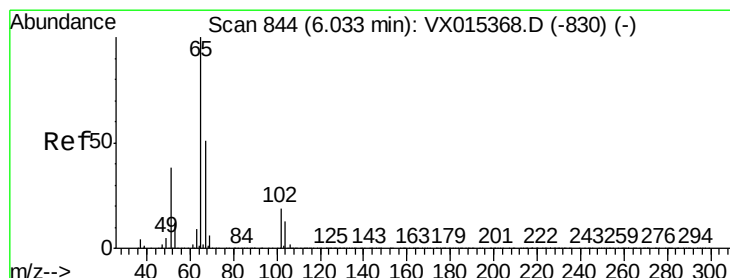
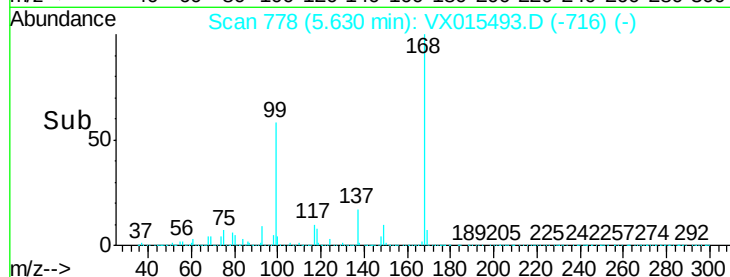
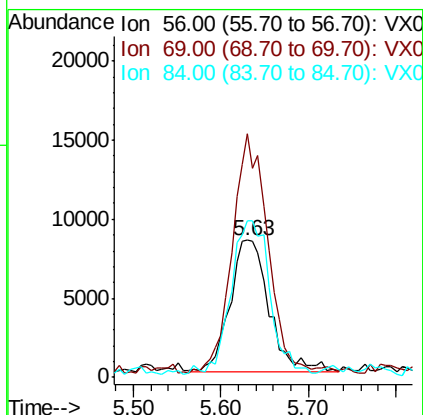
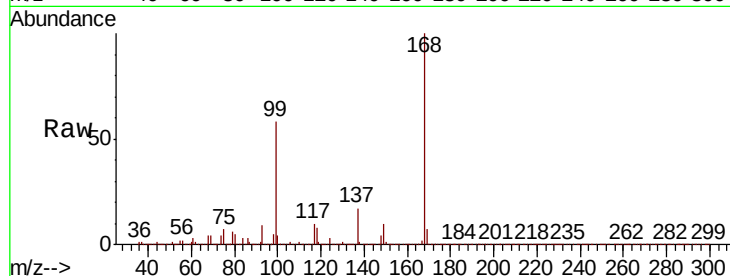




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

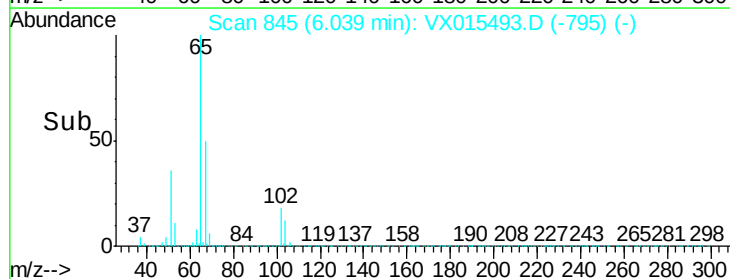
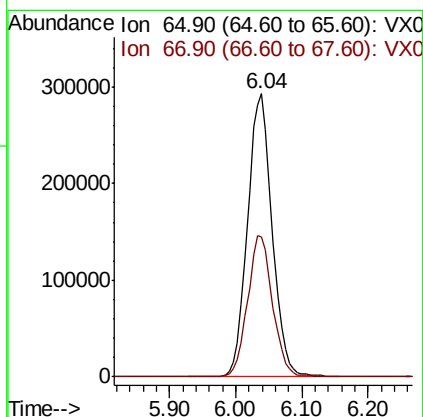
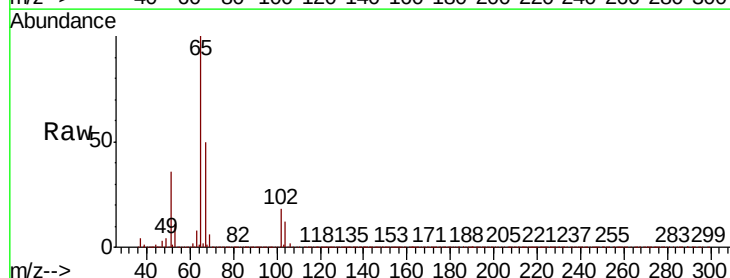
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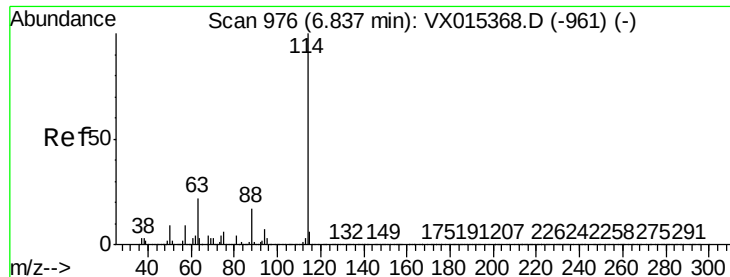
Tot Ion: 56 Resp: 25876
Ion Ratio Lower Upper
56 100
69 181.3 24.6 36.8#
84 116.8 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.335 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion: 65 Resp: 756972
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.6

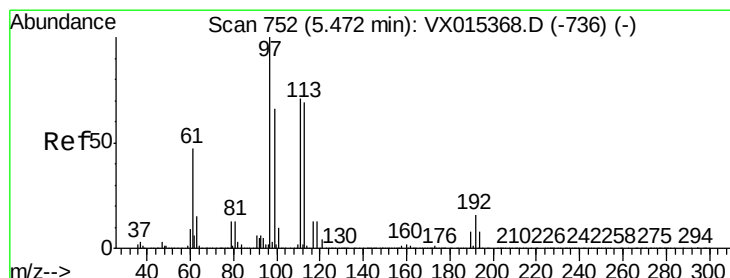
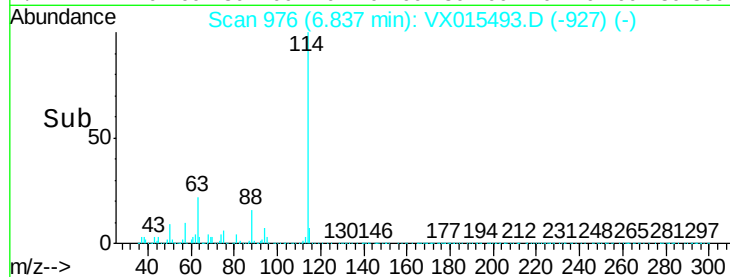
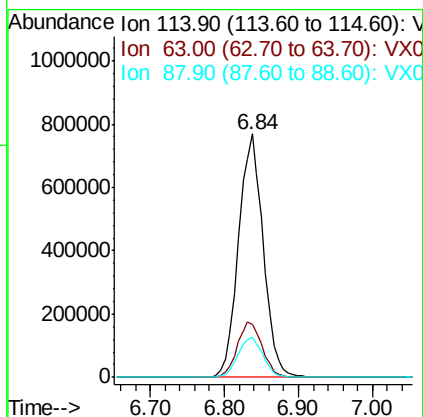
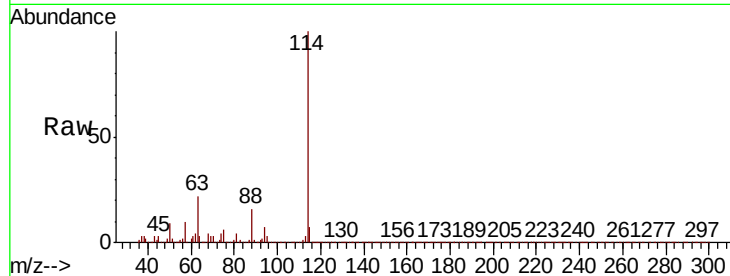




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015493.D
 Acq: 02 Apr 2020 19:31

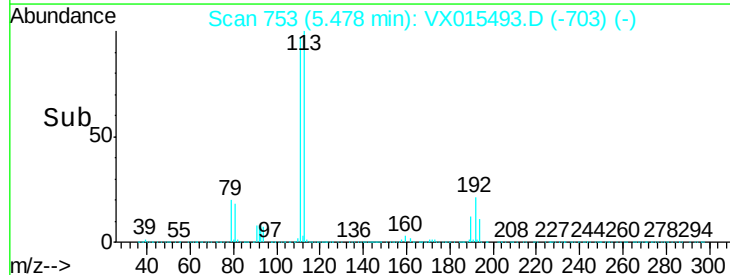
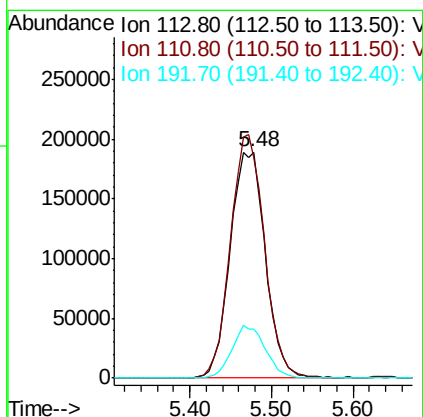
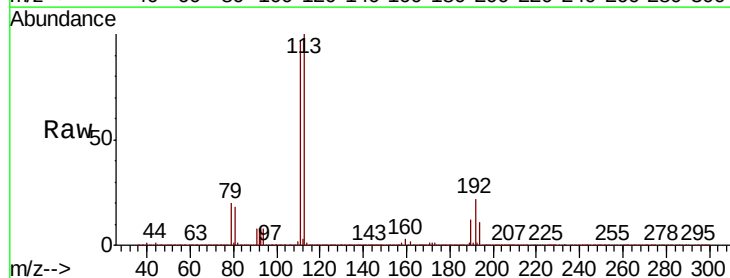
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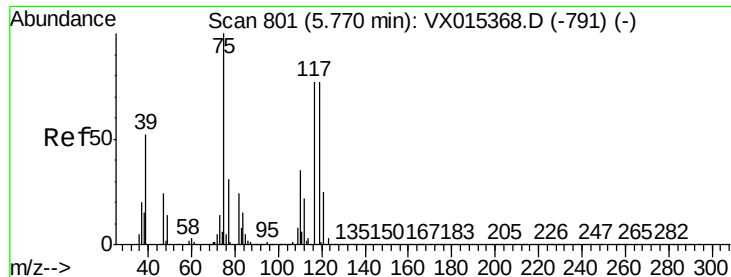
Tot Ion:114 Resp: 1790605
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.2
 88 16.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 49.256 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX015493.D
 Acq: 02 Apr 2020 19:31

Tgt Ion:113 Resp: 563784
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.5 122.3
 192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.176 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#15

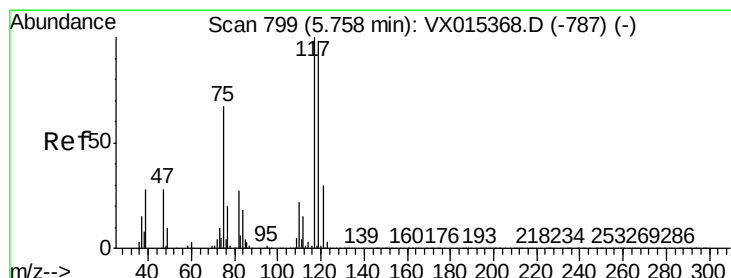
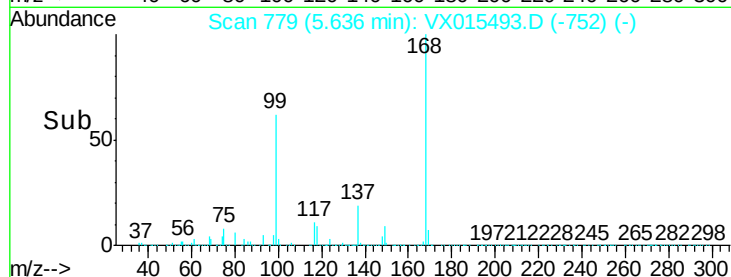
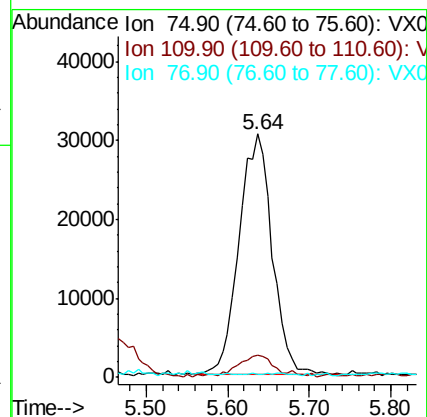
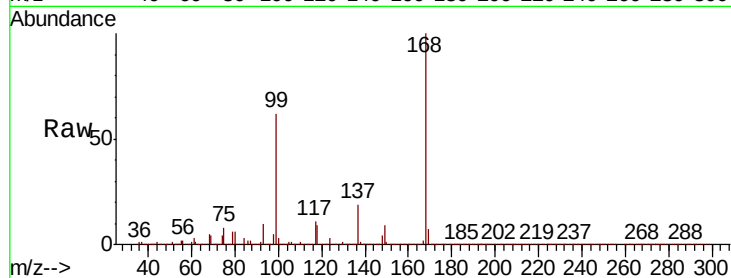
Tot Ion: 75 Resp: 85394

Ion Ratio Lower Upper

75 100

110 11.4 17.1 51.3#

77 0.2 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.179 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

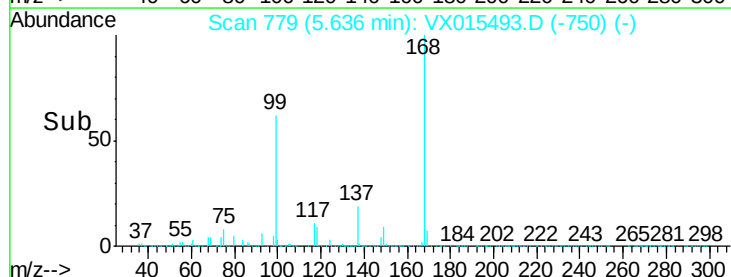
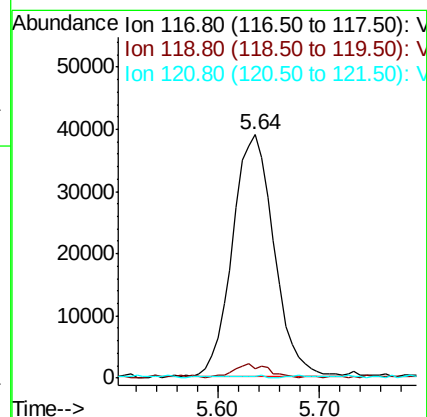
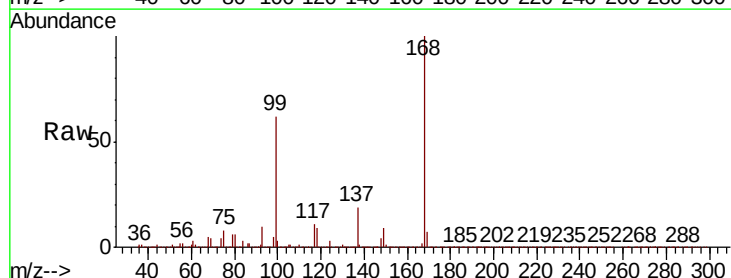
Tgt Ion:117 Resp: 110414

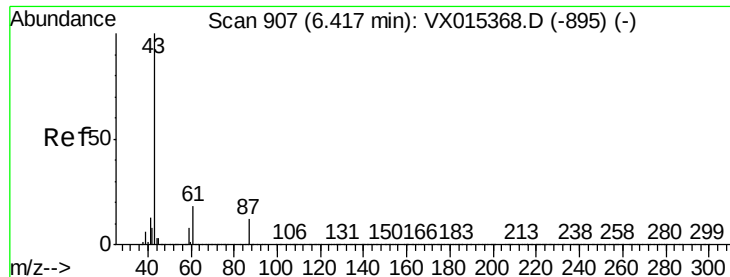
Ion Ratio Lower Upper

117 100

119 3.5 78.0 117.0#

121 0.1 23.8 35.8#





#43

Isopropyl Acetate

Concen: 10.802 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#15

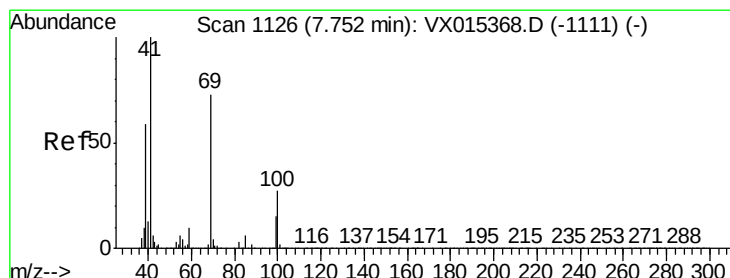
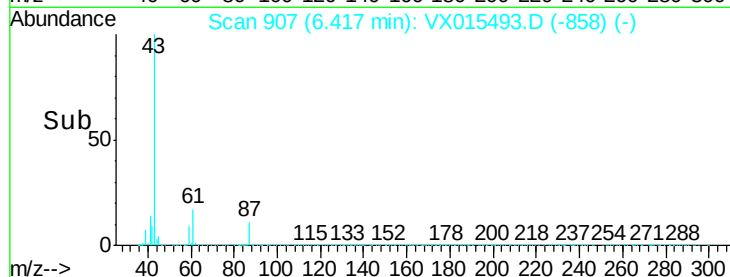
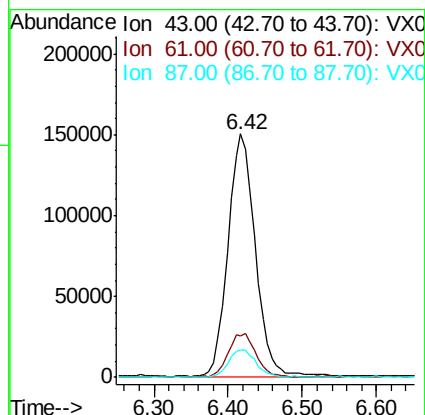
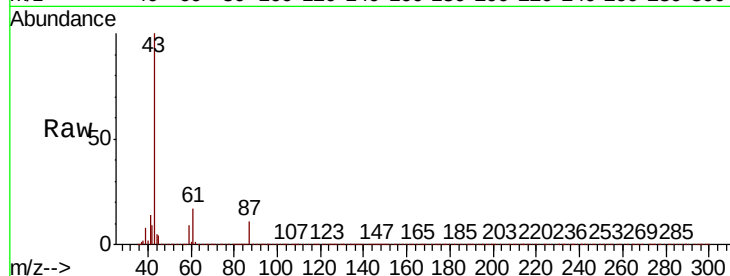
Tot Ion: 43 Resp: 391730

Ion Ratio Lower Upper

43 100

61 17.8 14.8 22.2

87 11.1 9.4 14.0



#48

Methyl methacrylate

Concen: 1.074 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.10 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

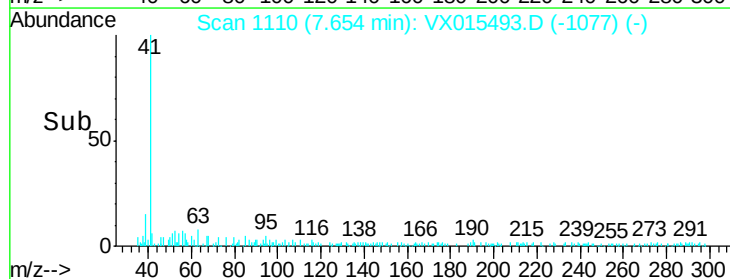
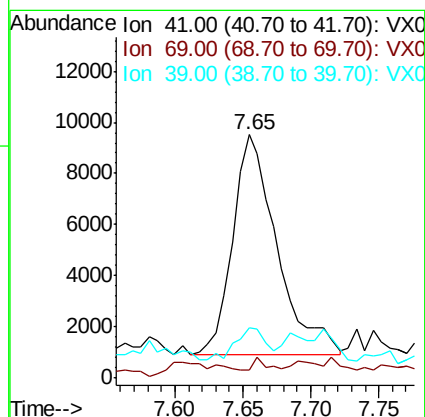
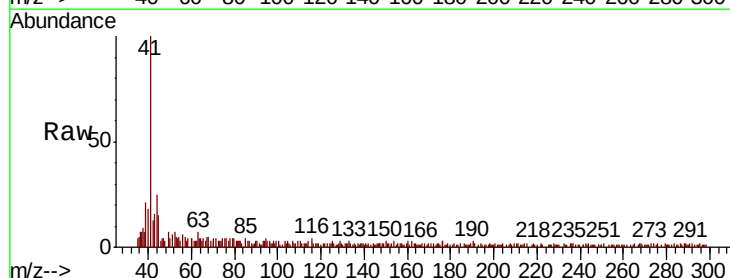
Tgt Ion: 41 Resp: 19462

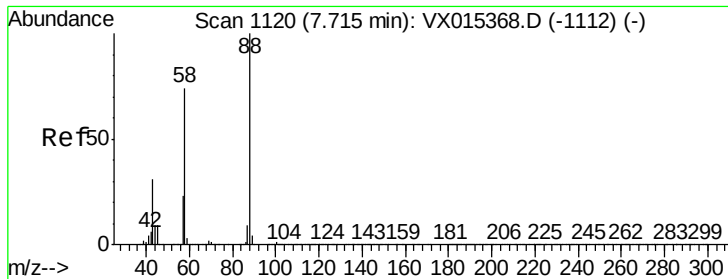
Ion Ratio Lower Upper

41 100

69 1.7 56.7 85.1#

39 0.0 46.5 69.7#





#49

1,4-Dioxane

Concen: 0.867 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#15

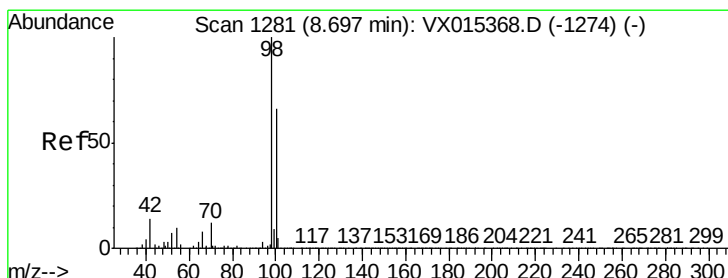
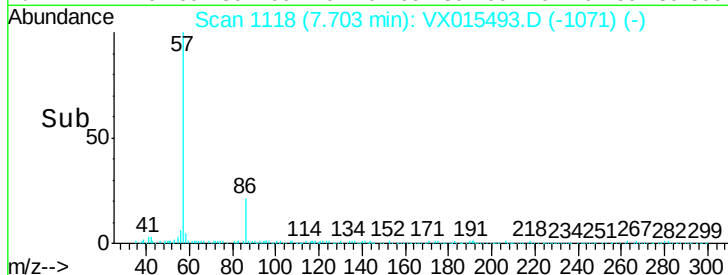
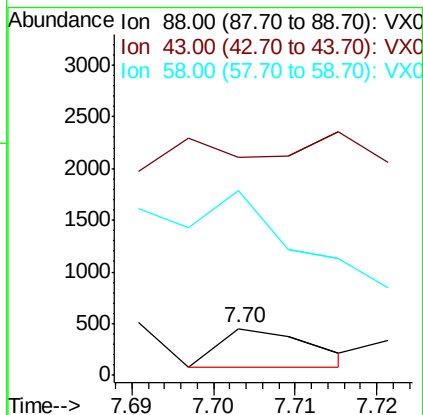
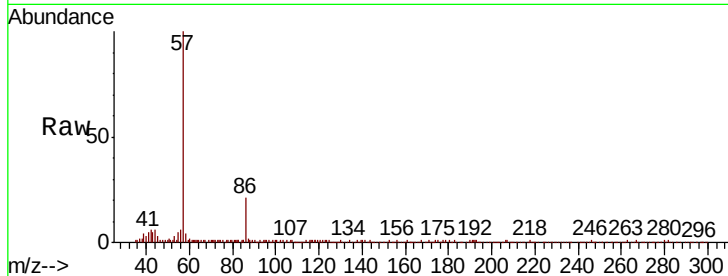
Tot Ion: 88 Resp: 293

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 939.9 60.6 90.8#



#50

Toluene-d8

Concen: 51.205 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015493.D

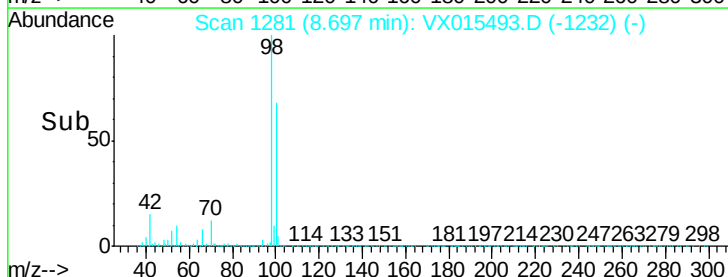
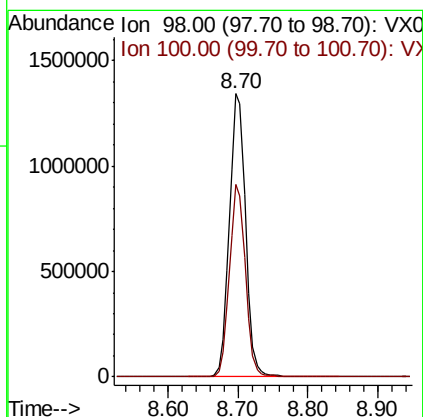
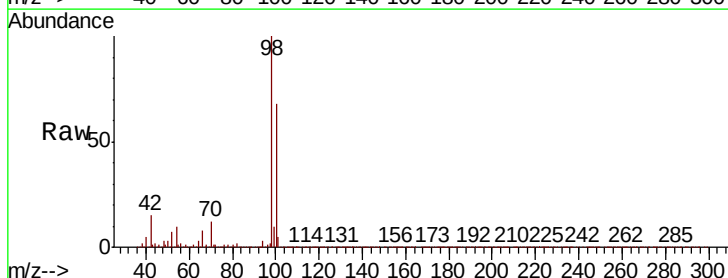
Acq: 02 Apr 2020 19:31

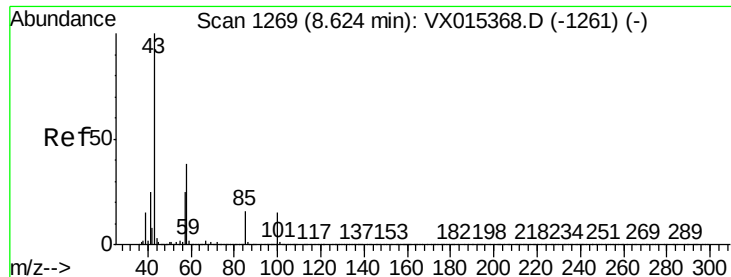
Tgt Ion: 98 Resp: 2157848

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3

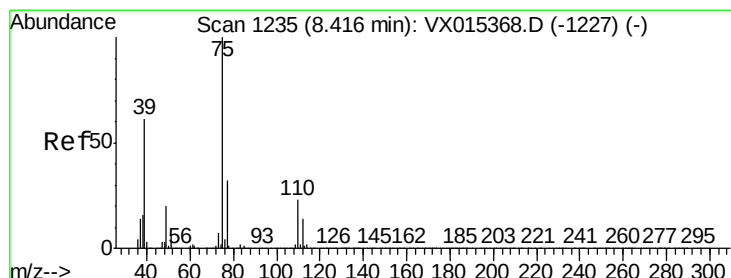
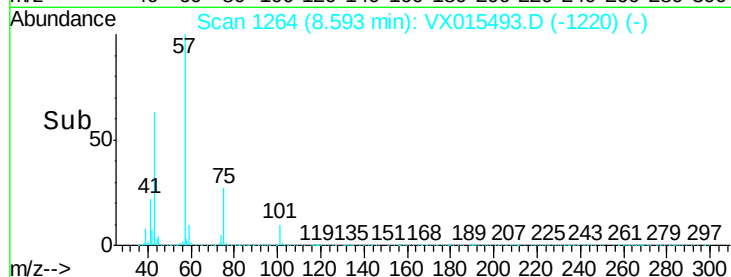
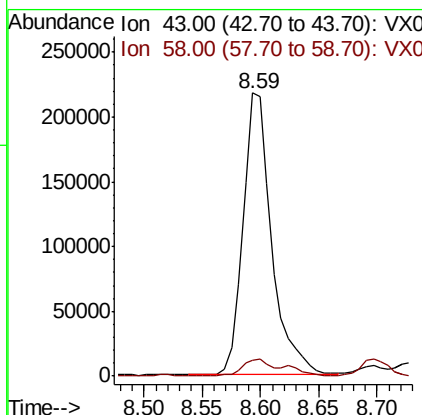
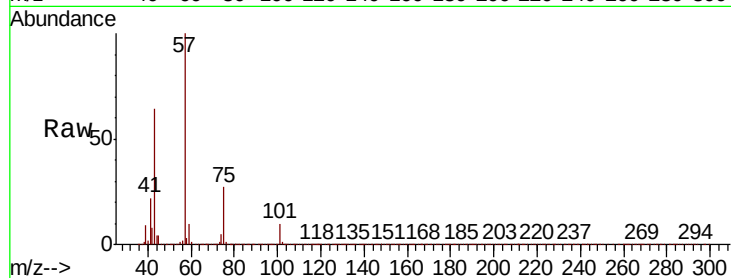




#51
 4-Methyl-2-Pentanone
 Concen: 18.252 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. -0.03 min
 Lab File: VX015493.D
 Acq: 02 Apr 2020 19:31

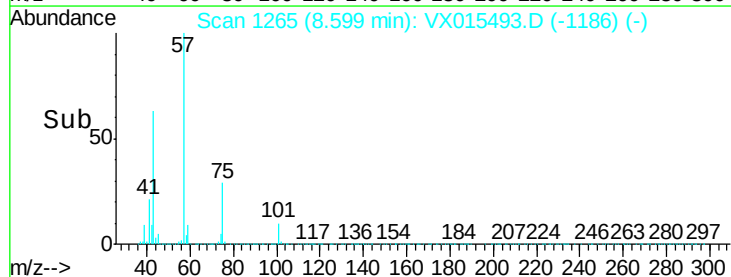
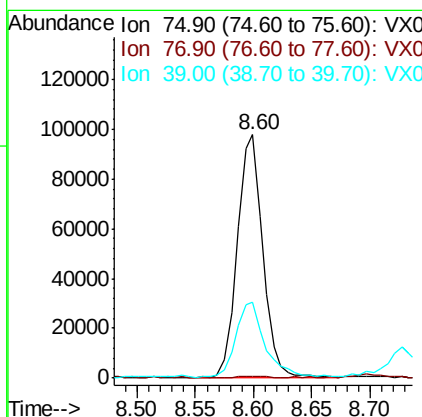
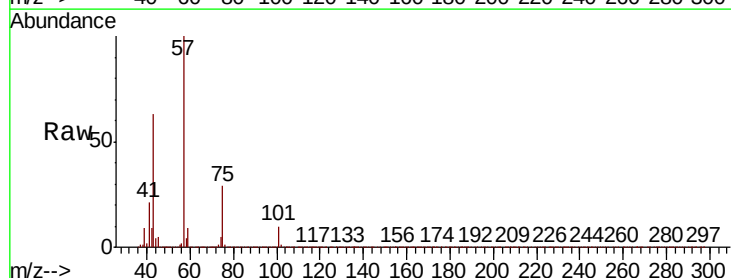
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#15

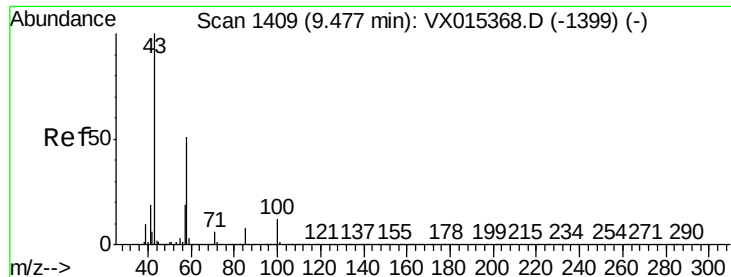
Tot Ion: 43 Resp: 375104
 Ion Ratio Lower Upper
 43 100
 58 8.4 29.7 44.5#



#54
 cis-1,3-Dichloropropene
 Concen: 6.737 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015493.D
 Acq: 02 Apr 2020 19:31

Tgt Ion: 75 Resp: 148730
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 30.2 49.0 73.4#

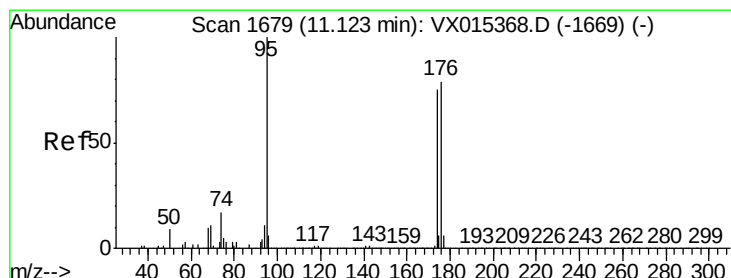
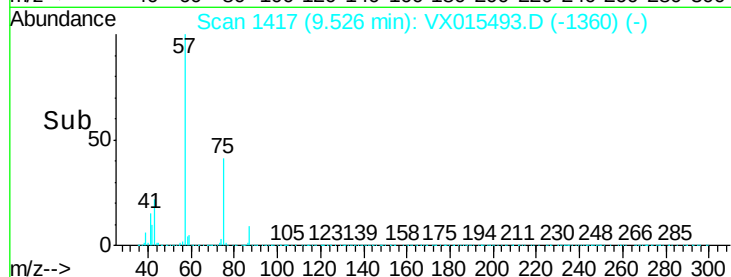
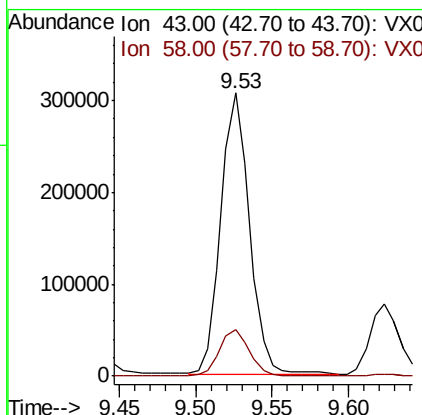
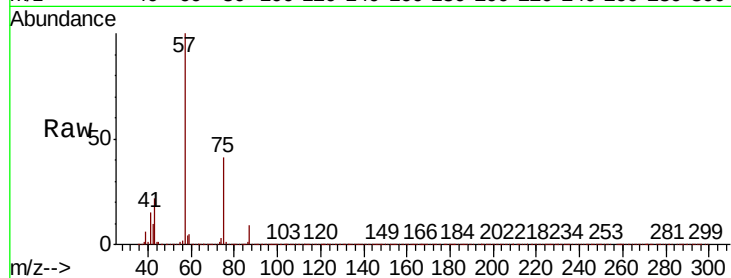




#59
2-Hexanone
Concen: 25.802 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

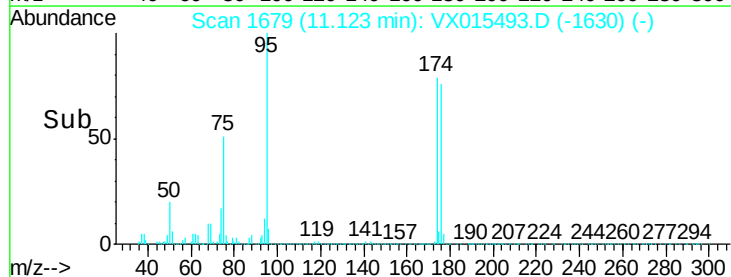
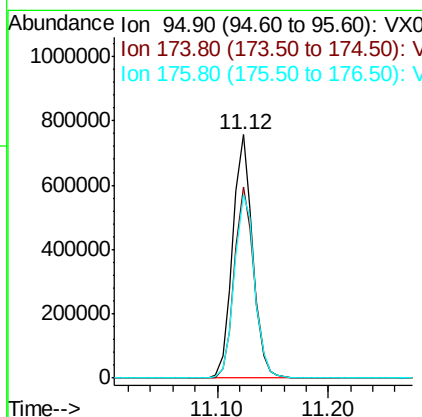
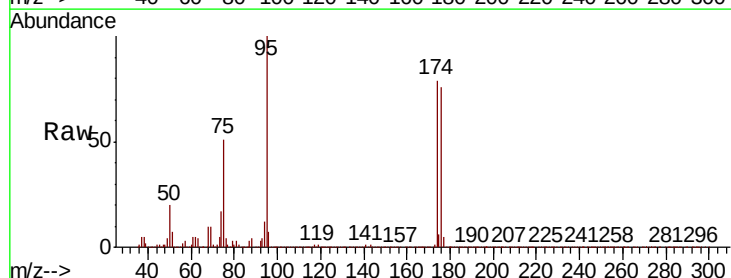
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#15

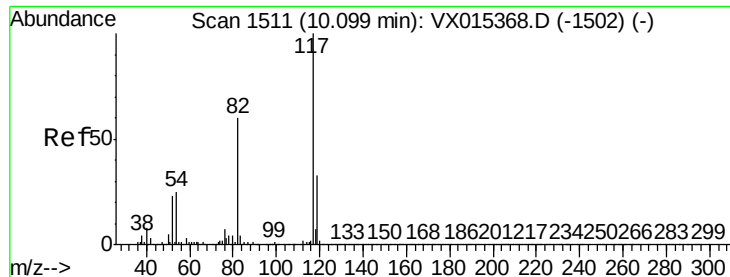
Tot Ion: 43 Resp: 400347
Ion Ratio Lower Upper
43 100
58 17.2 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.651 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion: 95 Resp: 935975
Ion Ratio Lower Upper
95 100
174 78.2 0.0 158.6
176 77.3 0.0 159.0

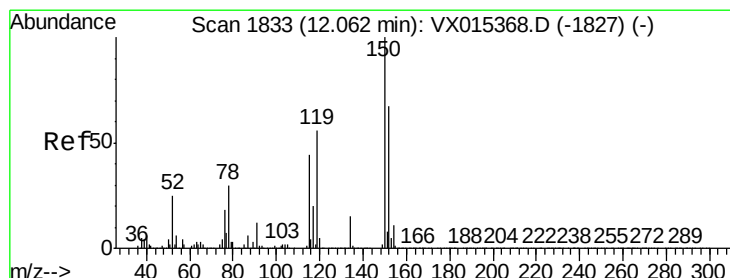
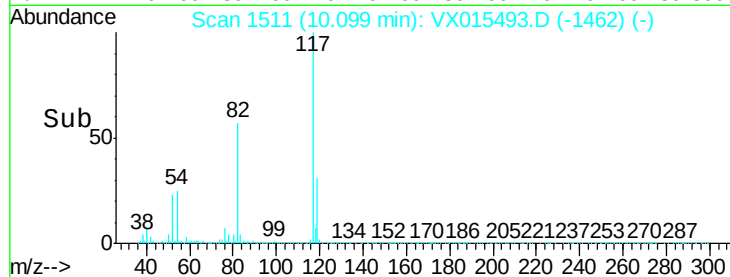
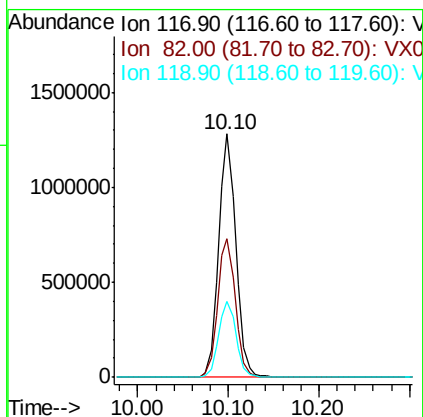
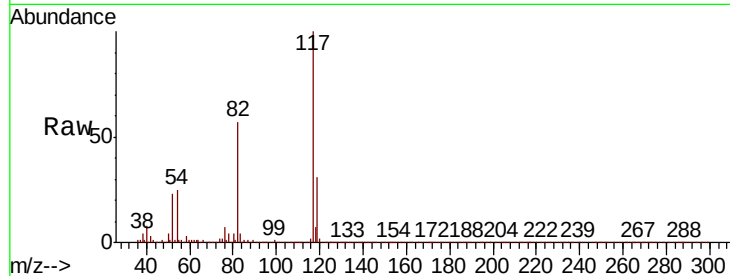




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

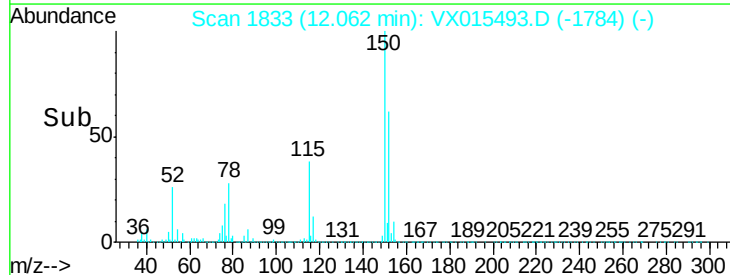
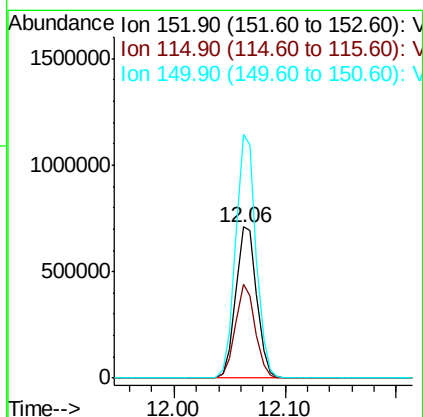
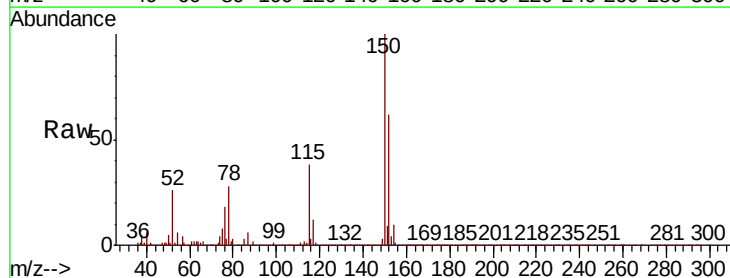
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#15

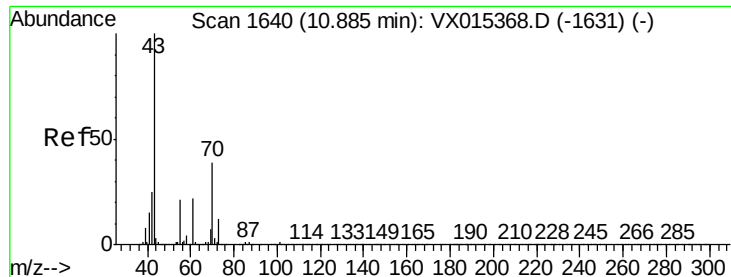
Tot Ion:117 Resp: 1701822
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.8
119 31.3 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion:152 Resp: 923347
Ion Ratio Lower Upper
152 100
115 58.6 39.0 116.9
150 157.0 0.0 340.8

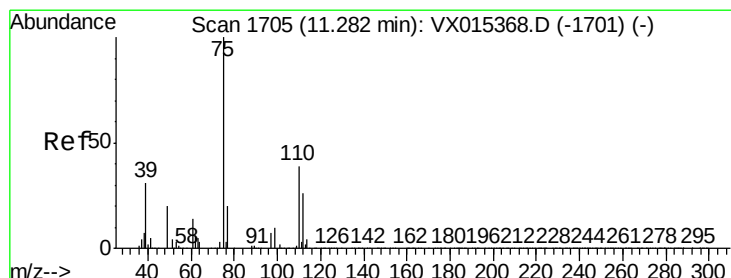
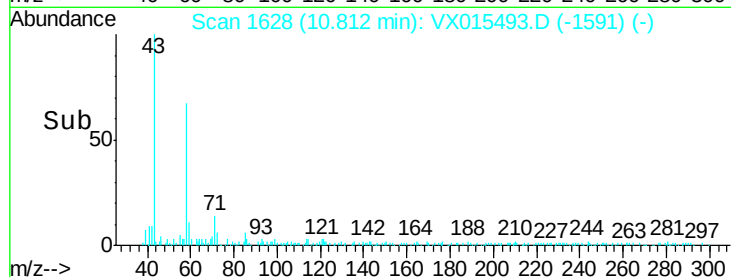
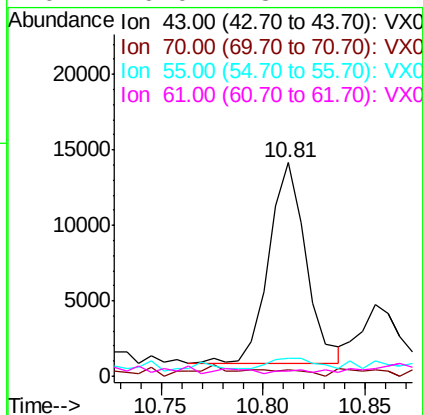
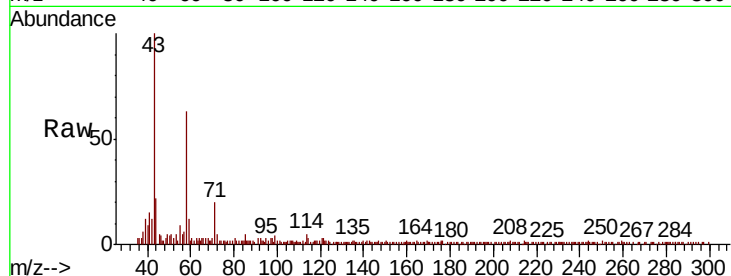




#74
N-amvl acetate
Concen: 0.500 ug/l
RT: 10.81 min Scan# 1628
Delta R.T. -0.07 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

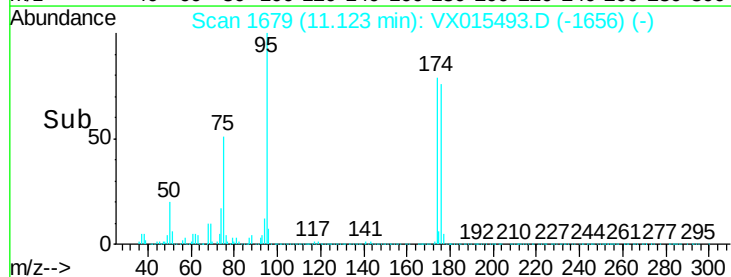
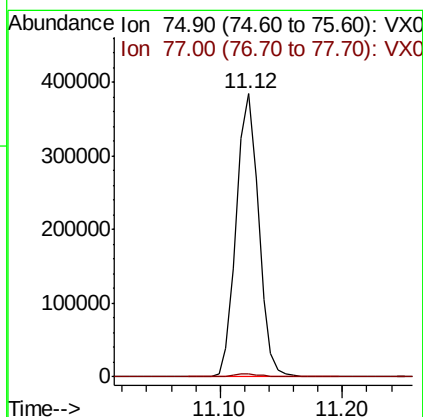
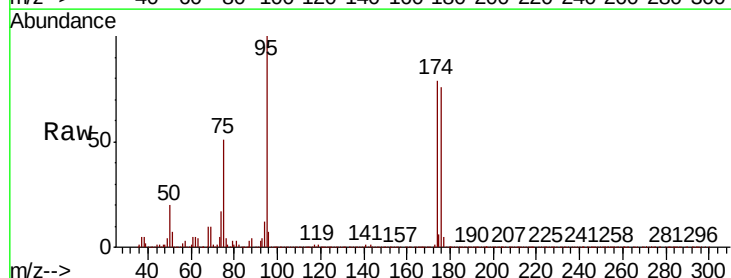
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#15

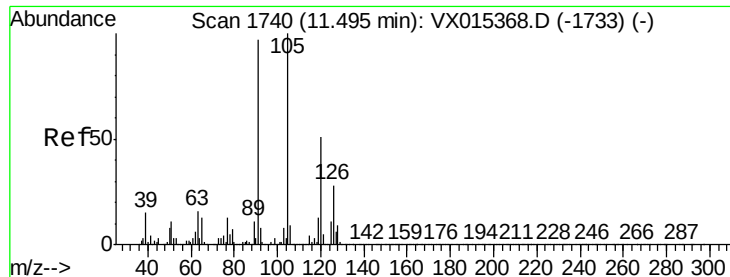
Tot Ion:	43	Resp:	16829
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.2	45.4#
55	6.3	16.8	25.2#
61	0.0	18.2	27.2#



#76
1,2,3-Trichloropropane
Concen: 25.495 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015493.D
Acq: 02 Apr 2020 19:31

Tgt Ion:	75	Resp:	484096
Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.2	63.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.932 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

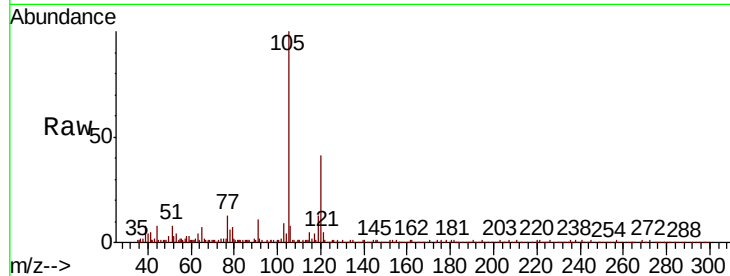
PB127948ZHE#15

Tot Ion:105 Resp: 48138

Ion Ratio Lower Upper

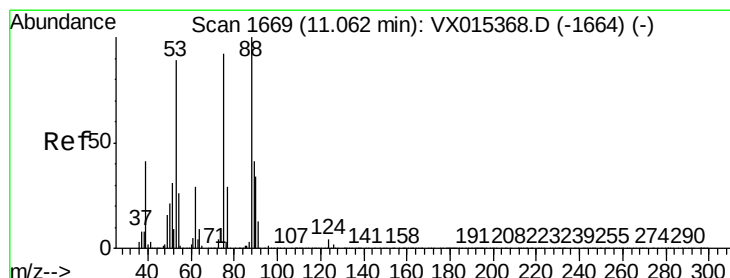
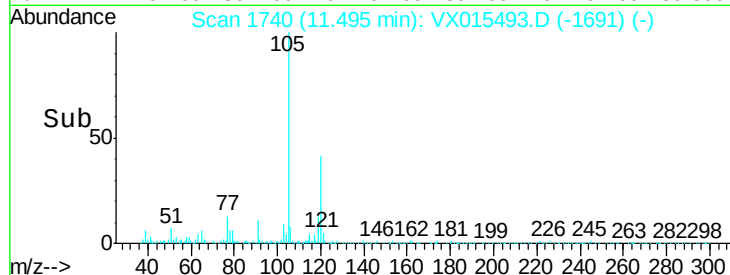
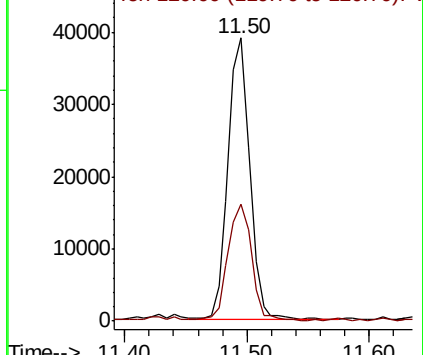
105 100

120 44.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.174 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015493.D

Acq: 02 Apr 2020 19:31

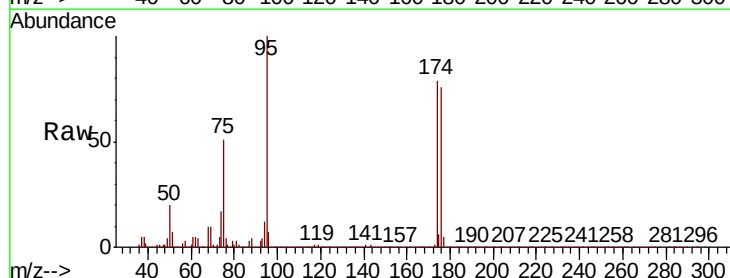
Tgt Ion: 75 Resp: 484096

Ion Ratio Lower Upper

75 100

53 0.3 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

