

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082219\
 Data File : VX011779.D
 Acq On : 22 Aug 2019 22:00
 Operator : JC/SP
 Sample : PB122428TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB122428TB

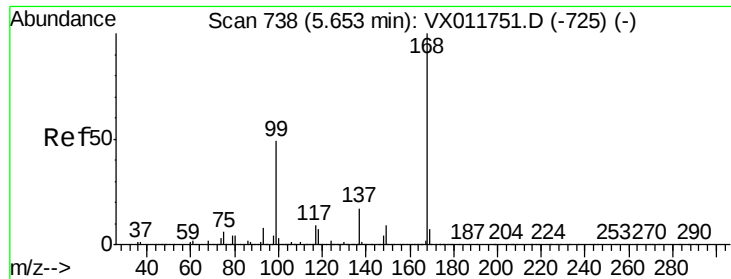
Quant Time: Aug 23 02:07:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	456979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	628004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	566388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	286252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	212822	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	5.49	113	184392	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	8.71	98	721277	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.13	95	250268	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	574	0.279	ug/l #	8
11) Tert butyl alcohol	3.01	59	6850	7.551	ug/l #	86
13) Acrolein	2.29	56	230	0.656	ug/l #	1
15) Acrylonitrile	3.14	53	468	0.226	ug/l #	58
16) Acetone	2.43	43	10893	5.455	ug/l	89
18) Methyl Acetate	2.77	43	4816	0.889	ug/l	91
20) Methylene Chloride	2.85	84	5392	1.321	ug/l #	96
25) 2-Butanone	4.68	43	2241	0.782	ug/l #	82
29) Tetrahydrofuran	4.87	42	441	0.240	ug/l	92
36) 1,1-Dichloropropene	5.65	75	25826	5.244	ug/l #	41
38) Carbon Tetrachloride	5.66	117	38169	6.839	ug/l #	17
43) Isopropyl Acetate	6.44	43	75085	8.902	ug/l	98
48) Methyl methacrylate	7.87	41	130103	30.993	ug/l #	40
49) 1,4-Dioxane	7.72	88	71	0.610	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	72806	13.099	ug/l #	52
52) Toluene	8.78	92	2328	0.236	ug/l	81
54) cis-1,3-Dichloropropene	8.61	75	37056	6.367	ug/l #	60
59) 2-Hexanone	9.54	43	88682	20.788	ug/l #	52
74) N-amyl acetate	10.82	43	3412	0.511	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	113332	22.563	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.50	105	6813	0.473	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	113332	68.047	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

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ClientSampleId :

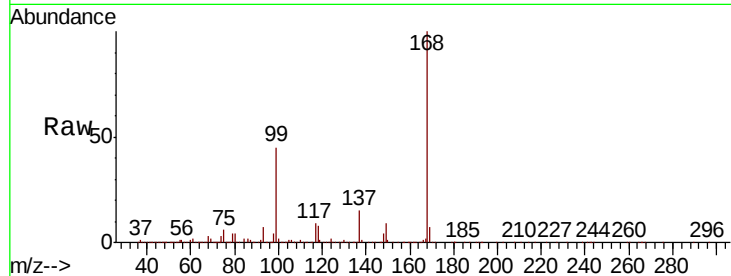
PB122428TB

Tgt Ion:168 Resp: 456979

Ion Ratio Lower Upper

168 100

99 45.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

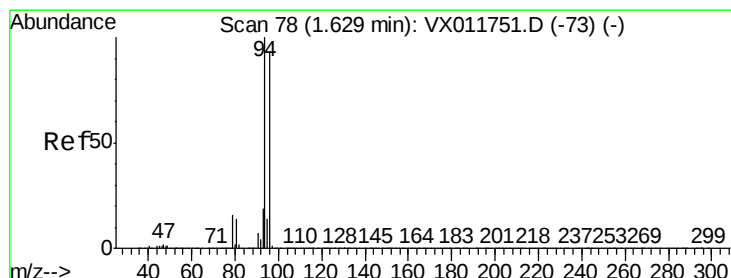
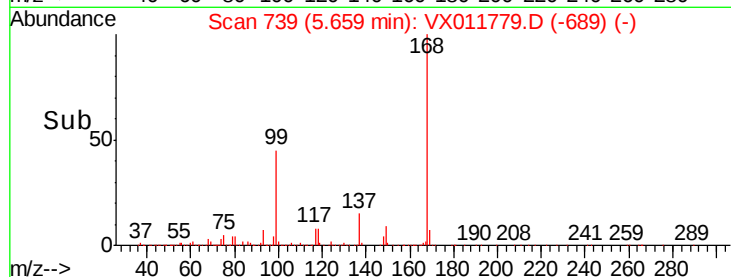
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.02 min

Lab File: VX011779.D

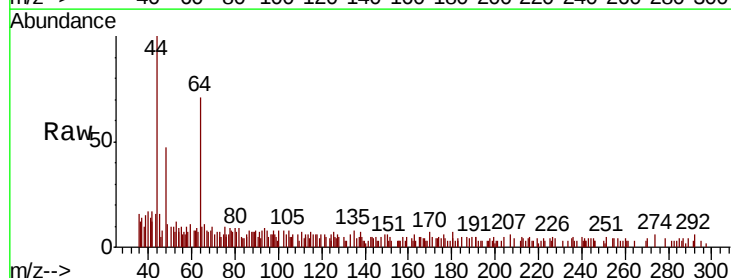
Acq: 22 Aug 2019 22:00

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 4.3 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

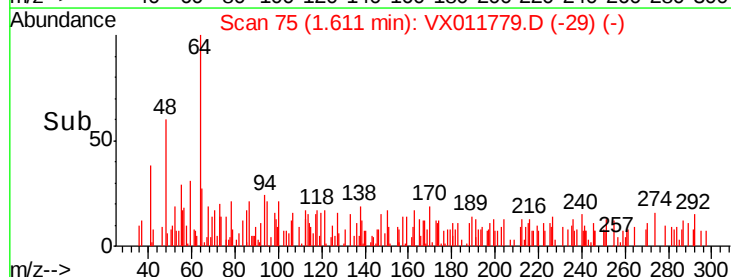
200

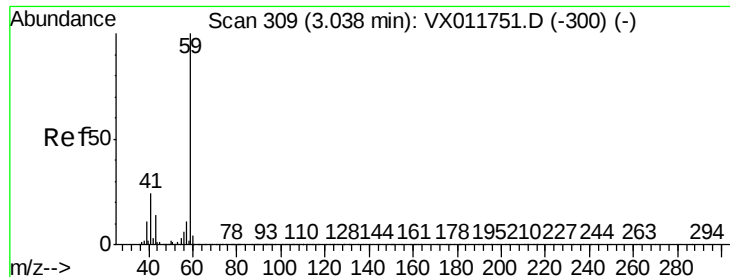
100

0

Time-->

1.58 1.60 1.62 1.64

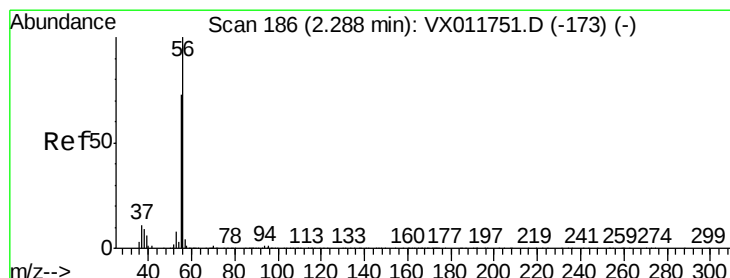
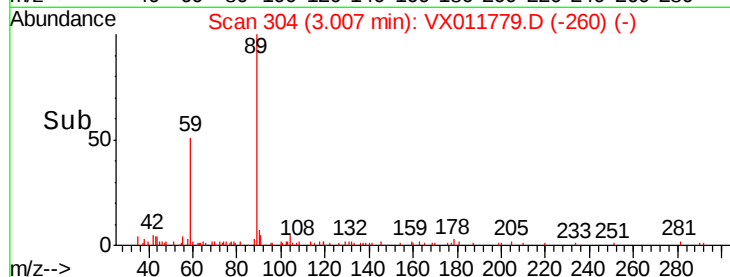
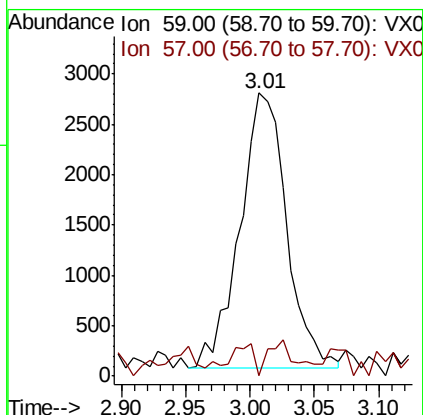
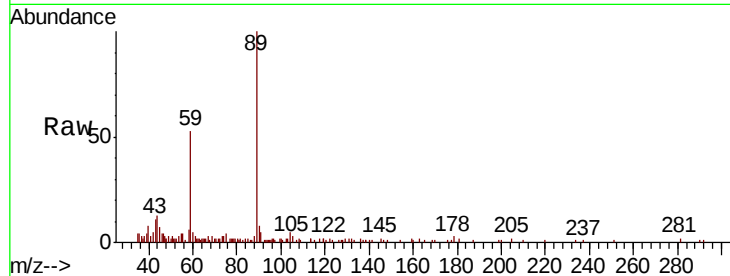




#11
Tert butyl alcohol
Concen: 7.551 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

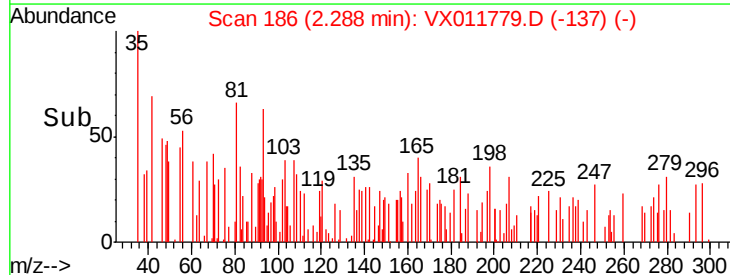
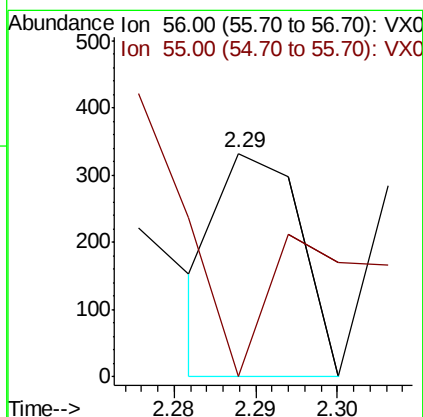
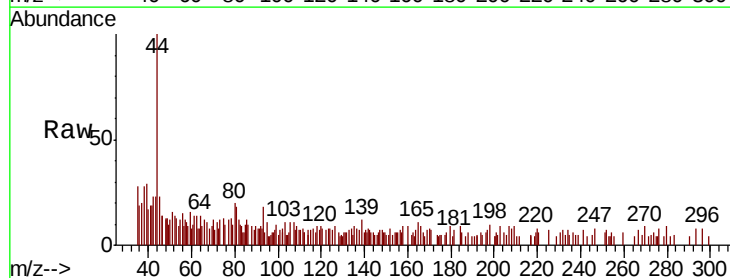
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

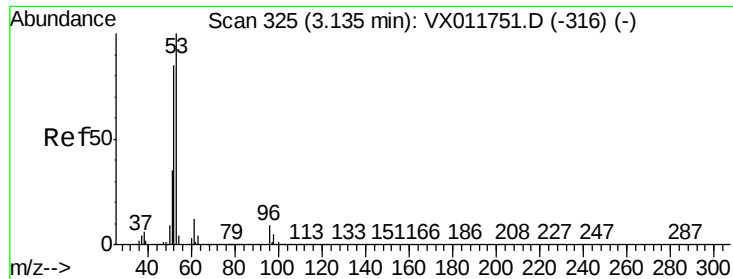
Tgt Ion: 59 Resp: 6850
Ion Ratio Lower Upper
59 100
57 5.4 8.4 12.6#



#13
Acrolein
Concen: 0.656 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 162.2 54.8 82.2#





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

PB122428TB

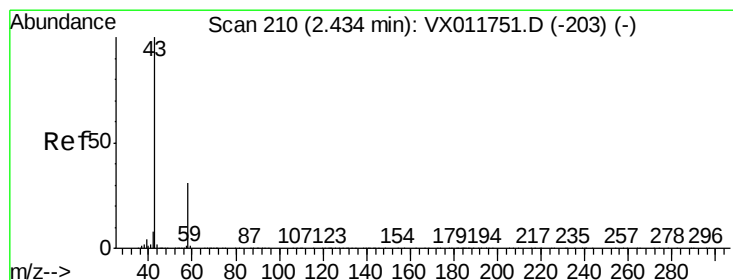
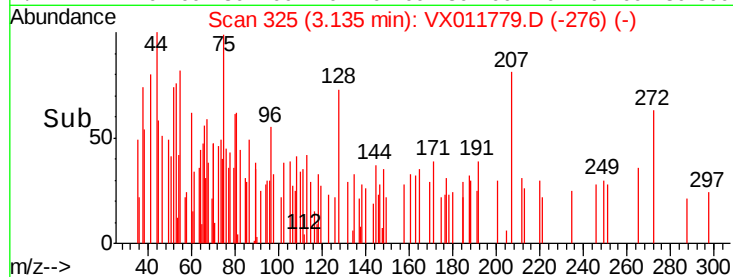
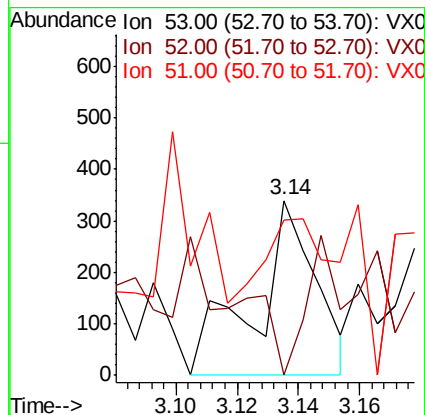
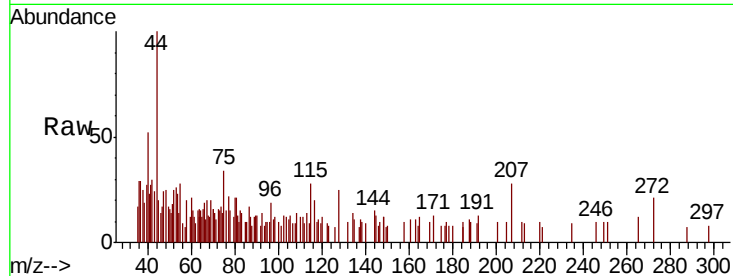
Tgt Ion: 53 Resp: 468

Ion Ratio Lower Upper

53 100

52 51.7 65.7 98.5#

51 0.0 28.6 43.0#



#16

Acetone

Concen: 5.455 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011779.D

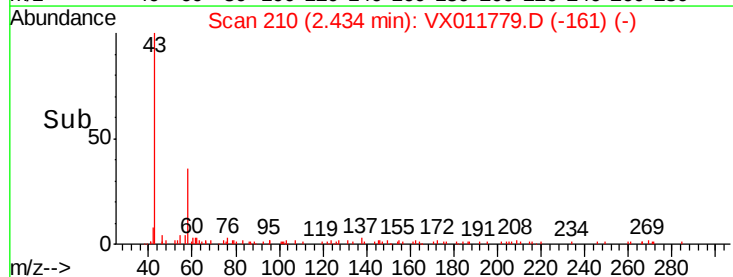
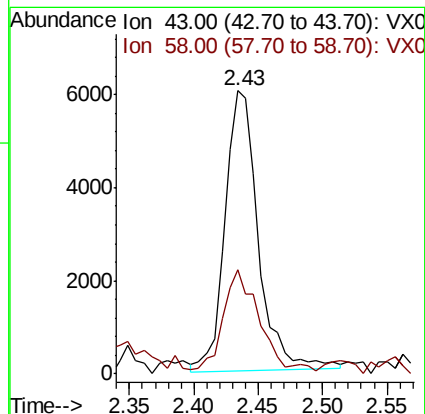
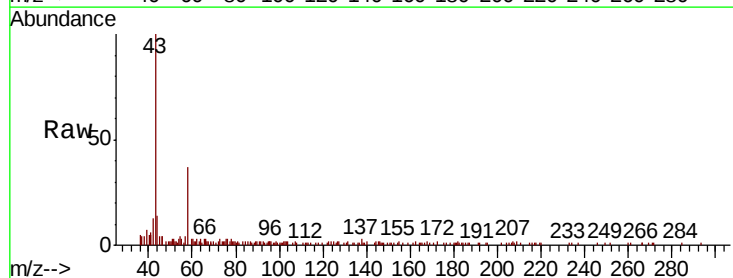
Acq: 22 Aug 2019 22:00

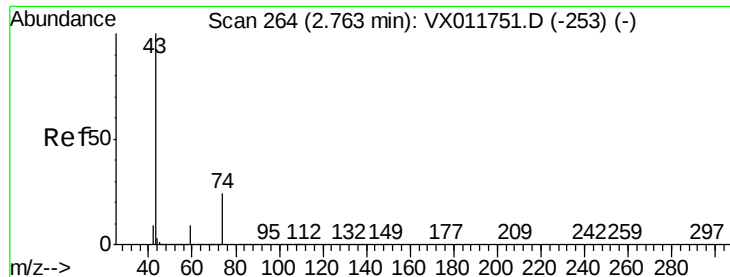
Tgt Ion: 43 Resp: 10893

Ion Ratio Lower Upper

43 100

58 36.5 24.4 36.6

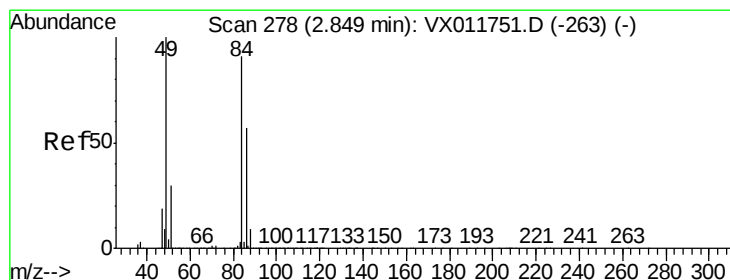
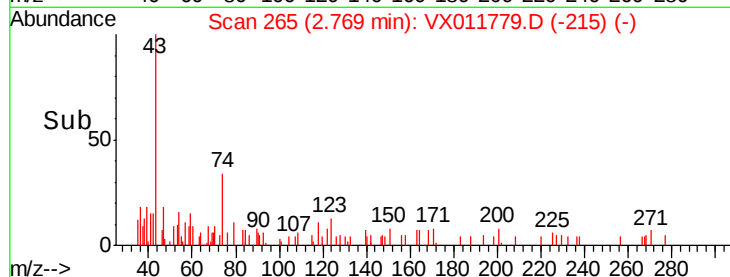
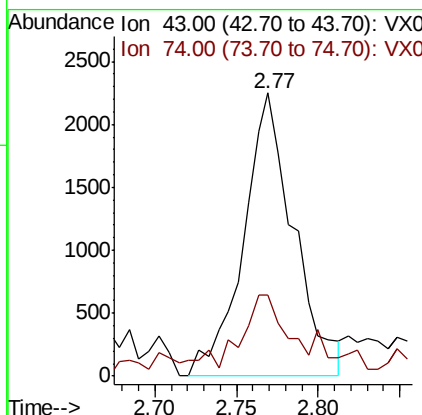
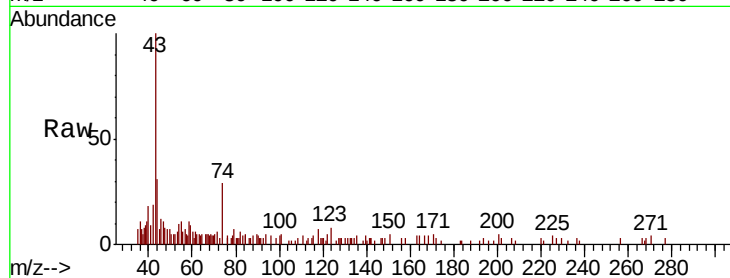




#18
Methyl Acetate
Concen: 0.889 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

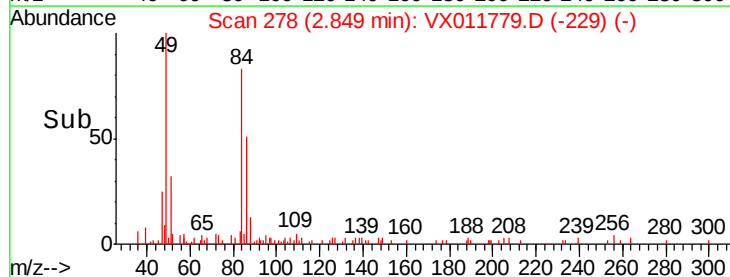
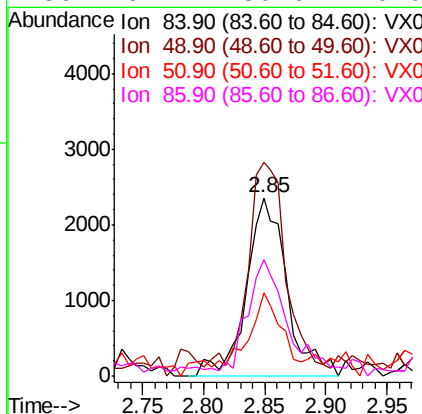
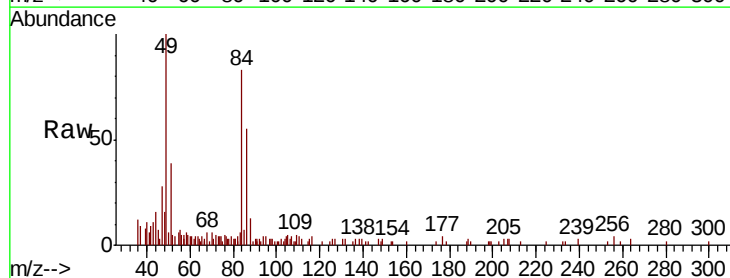
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

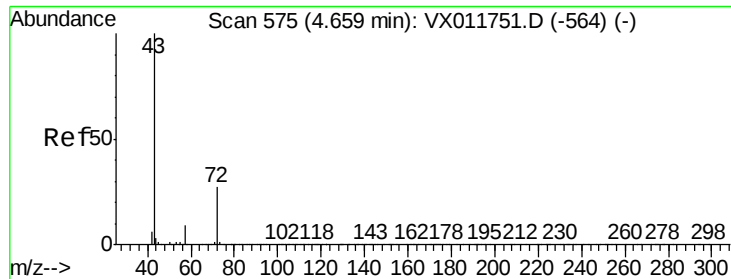
Tgt Ion: 43 Resp: 4816
Ion Ratio Lower Upper
43 100
74 20.0 19.5 29.3



#20
Methylene Chloride
Concen: 1.321 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 84 Resp: 5392
Ion Ratio Lower Upper
84 100
49 108.3 88.3 132.5
51 39.3 26.2 39.2#
86 61.2 50.6 76.0





#25

2-Butanone

Concen: 0.782 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

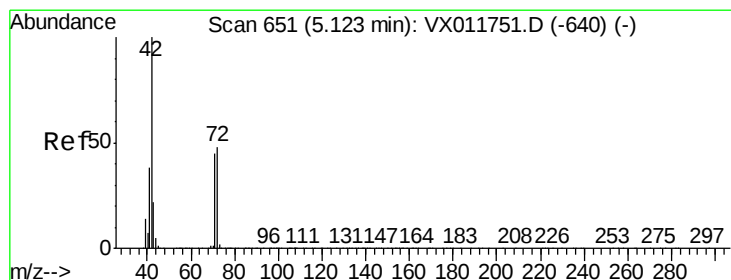
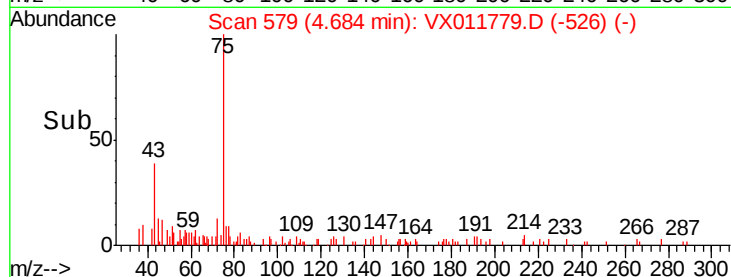
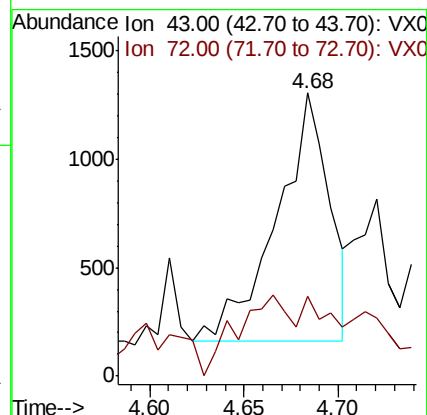
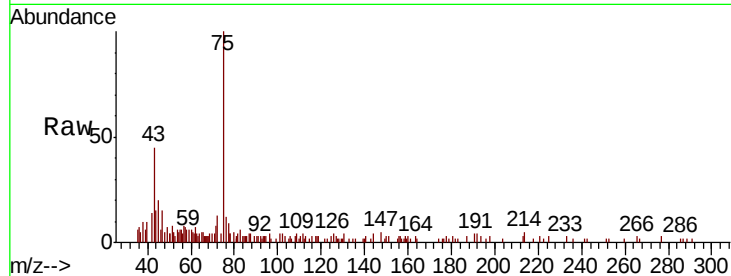
PB122428TB

Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

72 17.7 21.8 32.6#



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 4.87 min Scan# 609

Delta R.T. -0.26 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

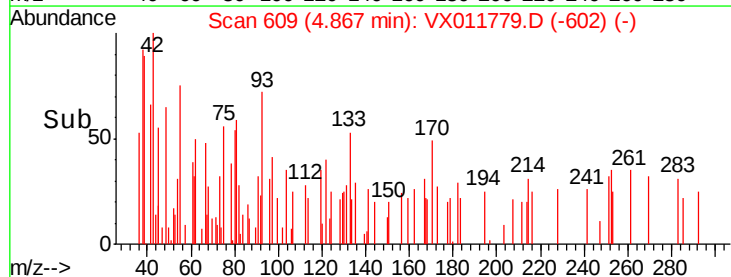
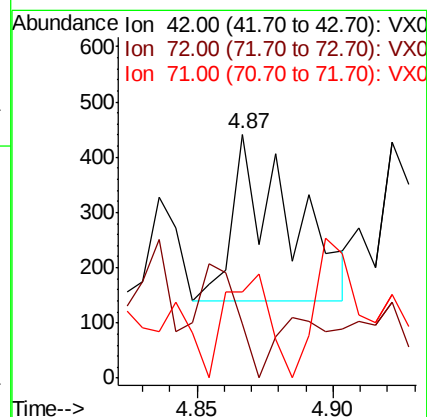
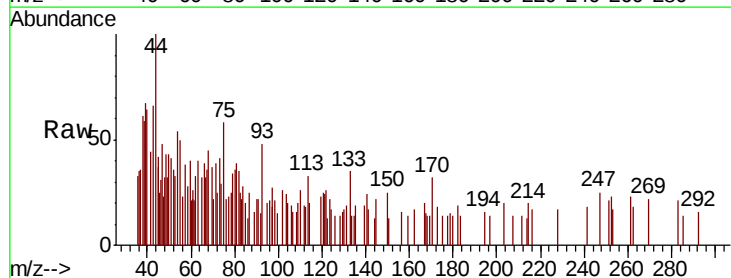
Tgt Ion: 42 Resp: 441

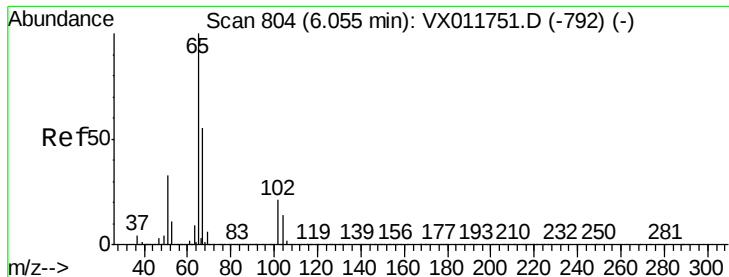
Ion Ratio Lower Upper

42 100

72 41.0 37.6 56.4

71 47.2 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 46.360 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

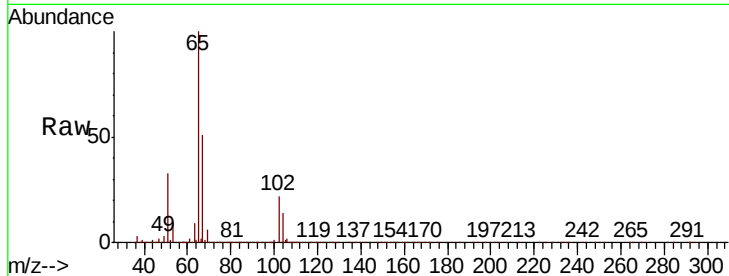
PB122428TB

Tgt Ion: 65 Resp: 212822

Ion Ratio Lower Upper

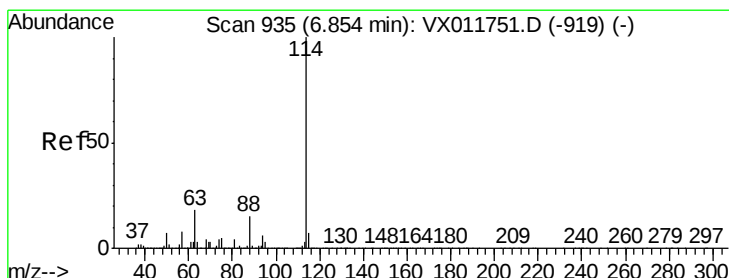
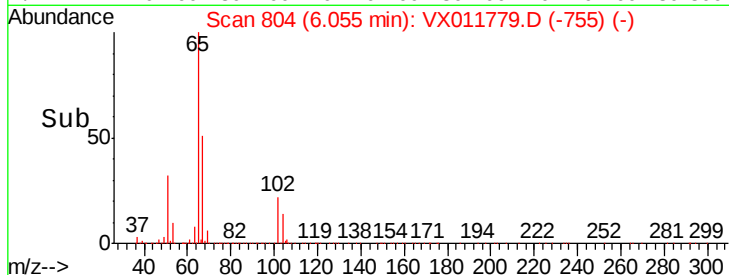
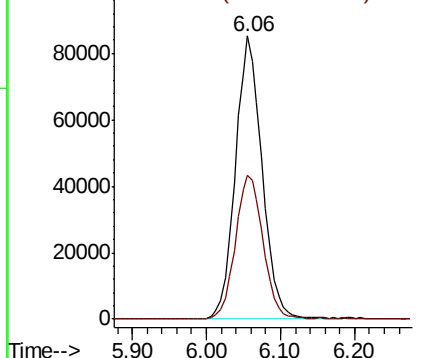
65 100

67 52.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

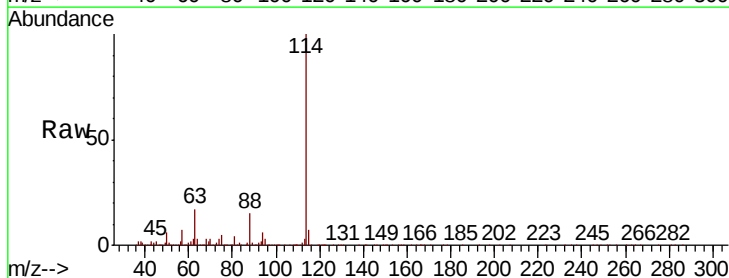
Tgt Ion: 114 Resp: 628004

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.8

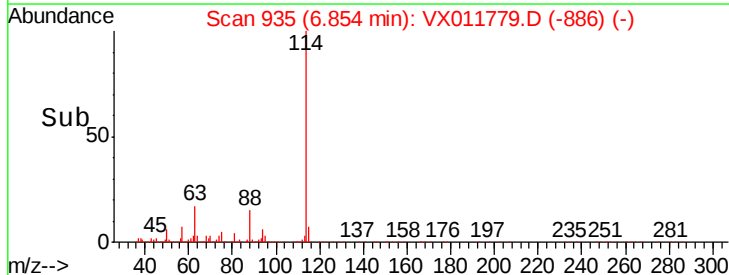
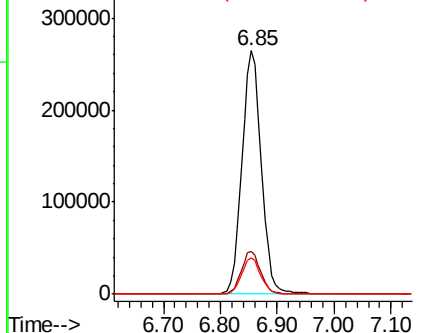
88 15.0 0.0 30.2

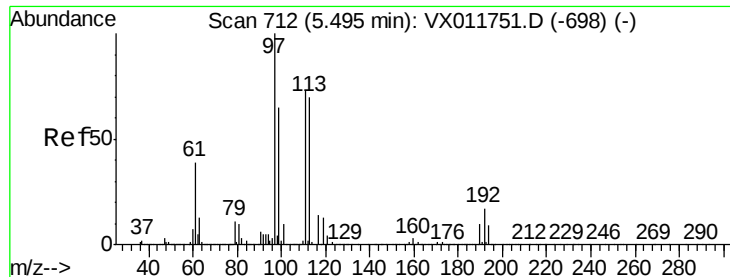


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.406 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

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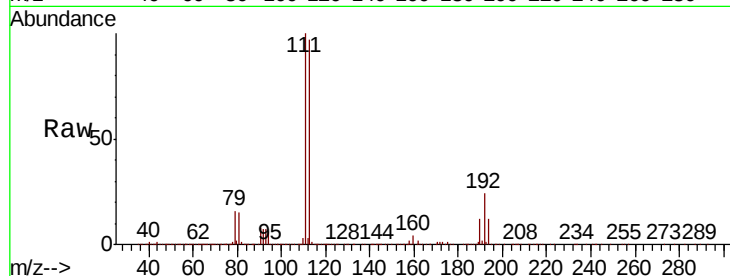
Tgt Ion:113 Resp: 184392

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

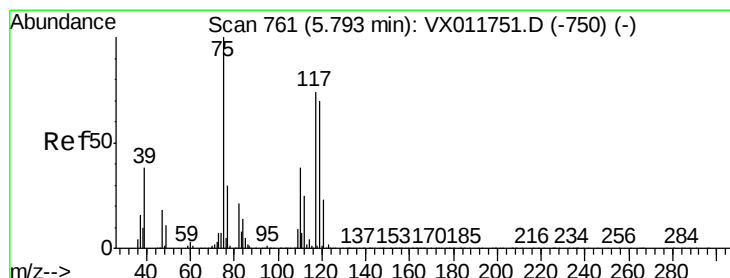
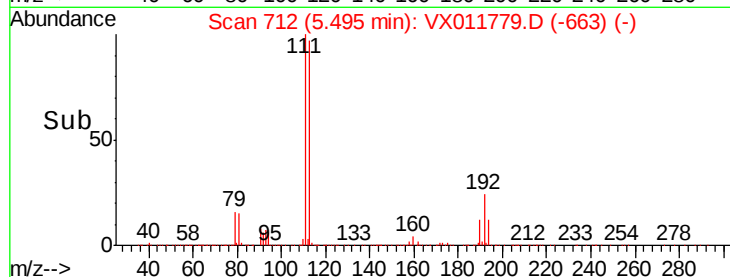
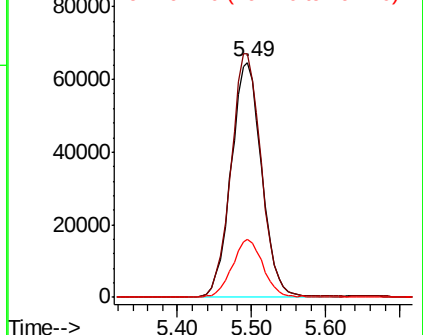
192 25.3 19.9 29.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.244 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

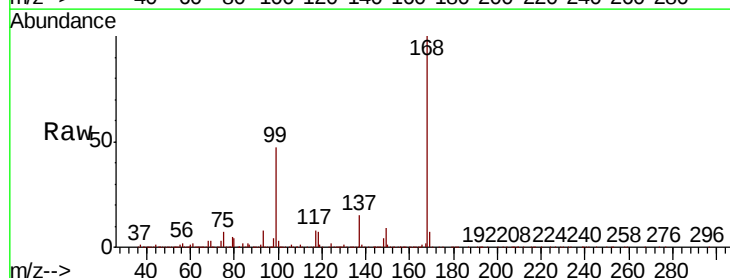
Tgt Ion: 75 Resp: 25826

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

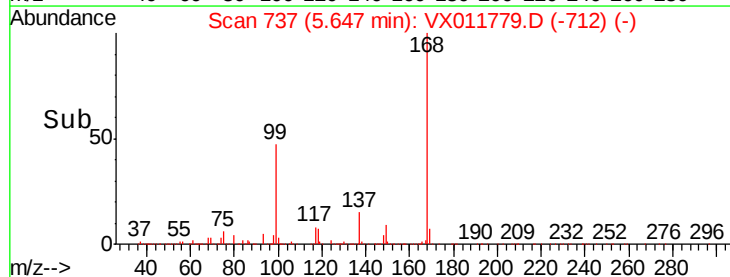
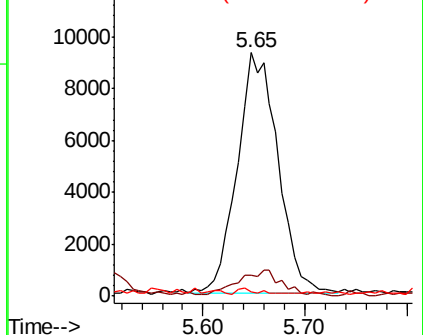
77 0.9 24.6 36.8#

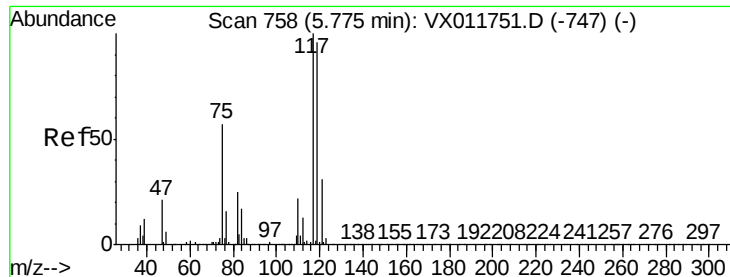


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

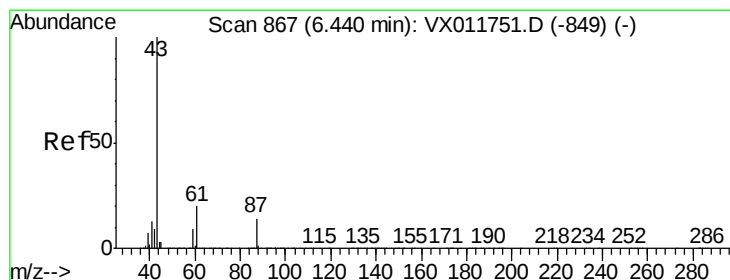
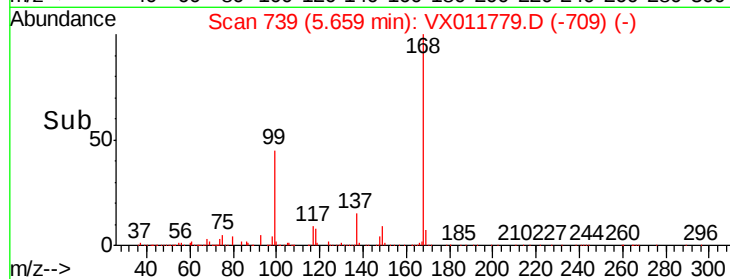
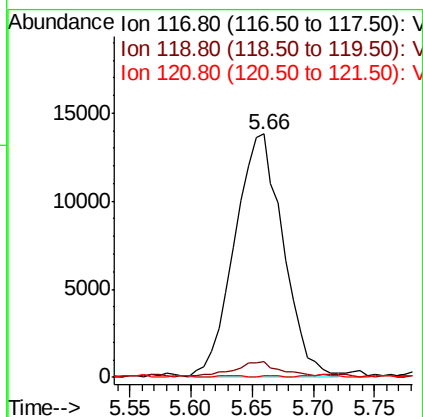
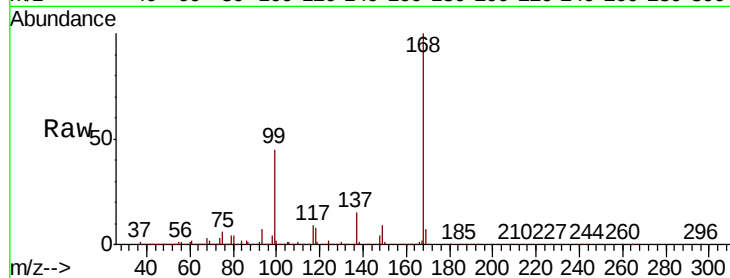




#38
Carbon Tetrachloride
Concen: 6.839 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

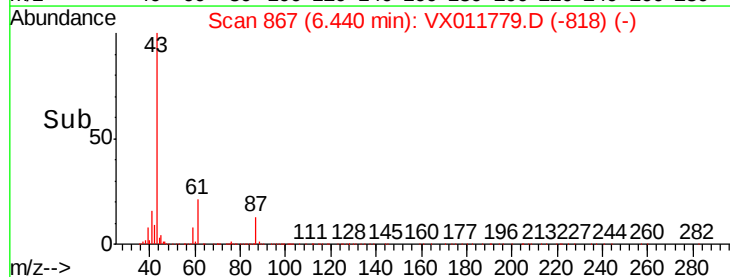
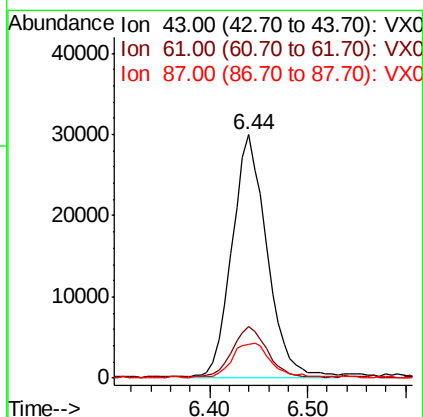
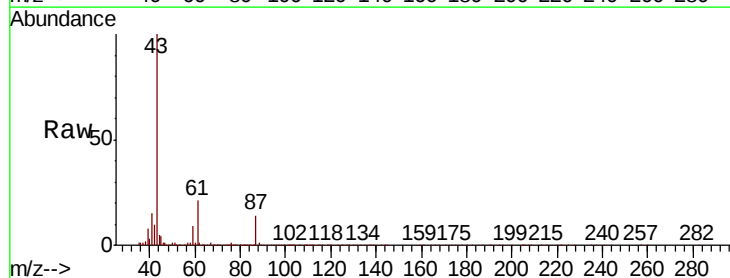
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

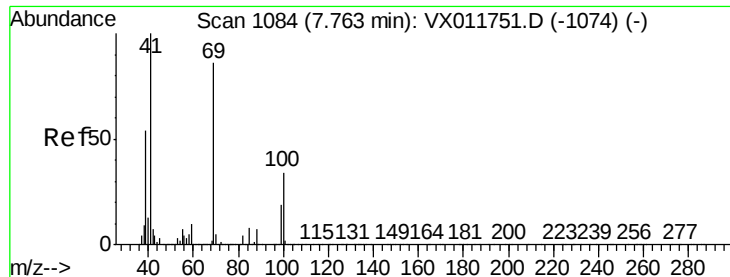
Tgt Ion: 117 Resp: 38169
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.3 25.2 37.8#



#43
Isopropyl Acetate
Concen: 8.902 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 43 Resp: 75085
Ion Ratio Lower Upper
43 100
61 21.0 16.2 24.2
87 15.4 11.6 17.4

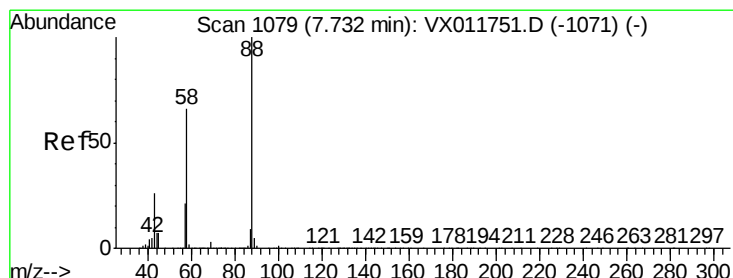
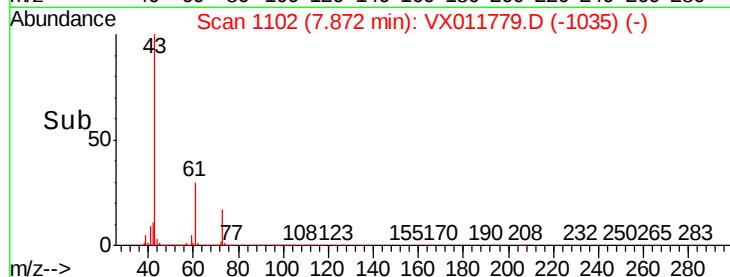
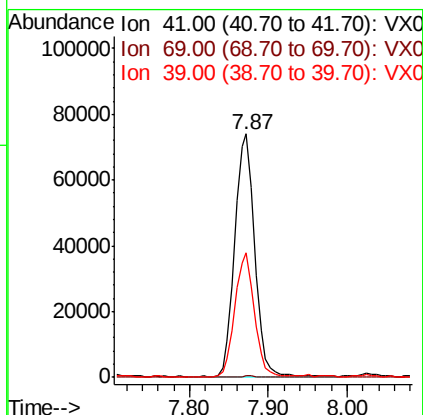
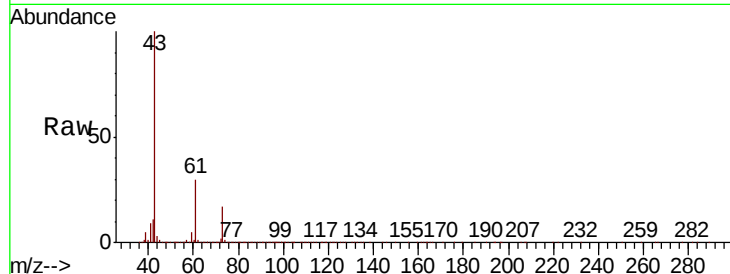




#48
Methyl methacrylate
Concen: 30.993 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.11 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

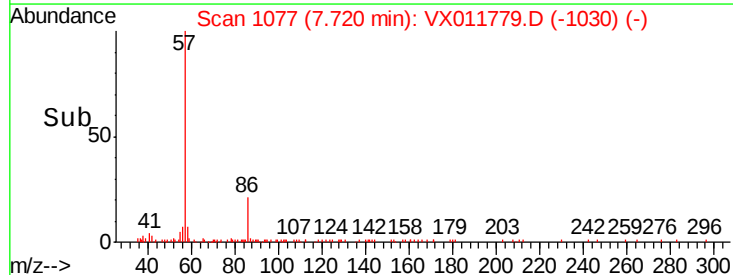
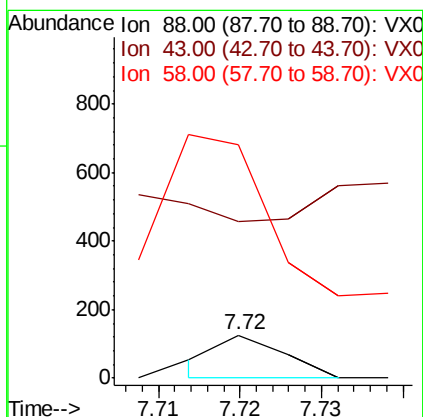
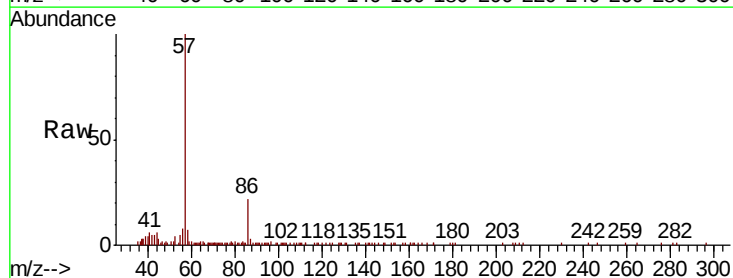
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

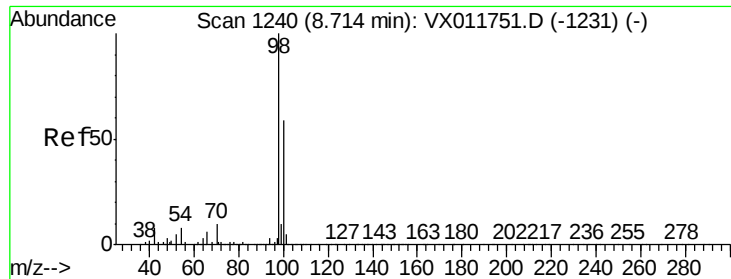
Tgt Ion: 41 Resp: 130103
Ion Ratio Lower Upper
41 100
69 0.5 69.4 104.2#
39 50.4 43.6 65.4



#49
1,4-Dioxane
Concen: 0.610 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 1469.0 51.4 77.2#

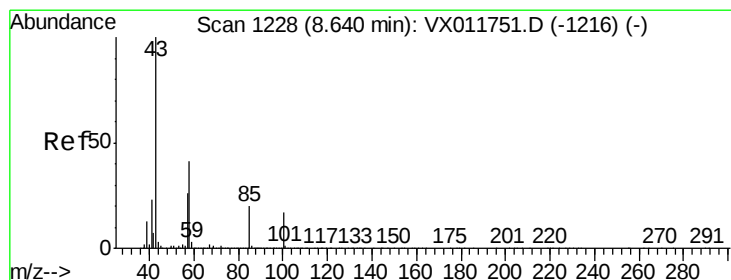
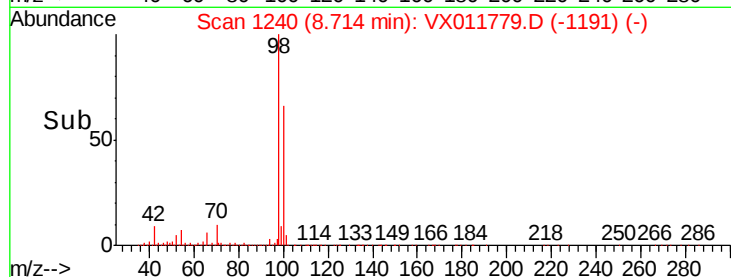
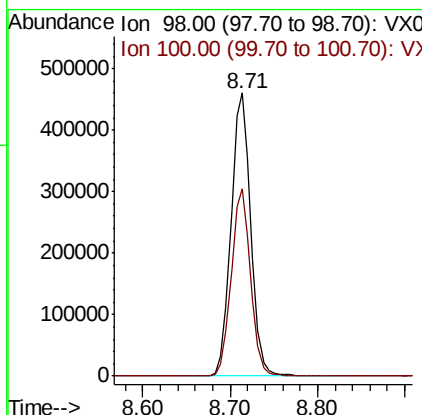
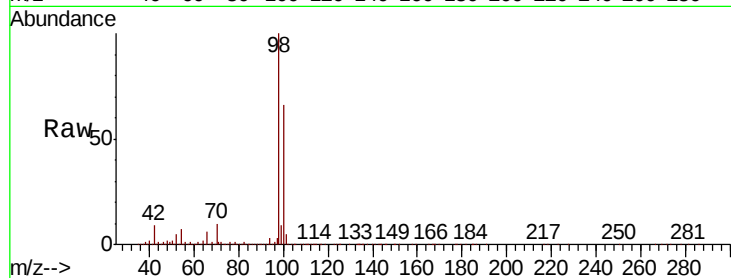




#50
Toluene-d8
Concen: 50.921 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

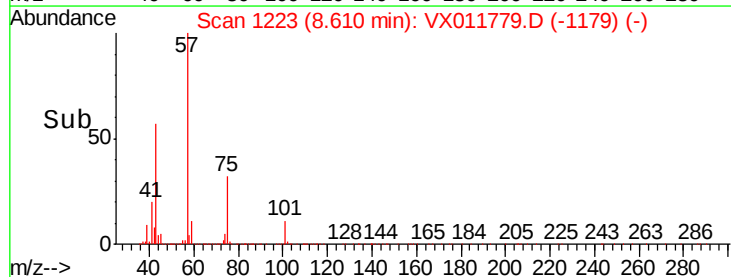
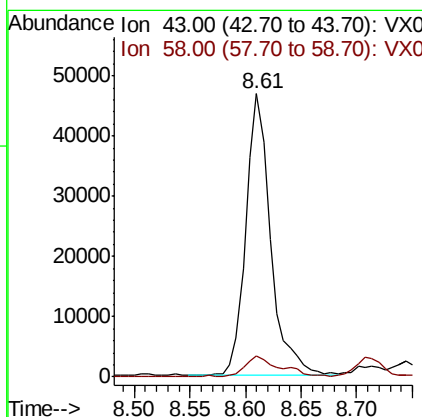
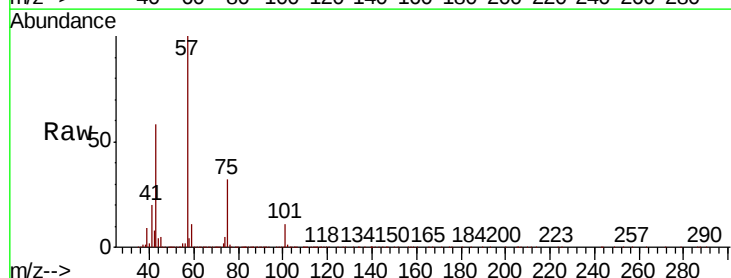
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

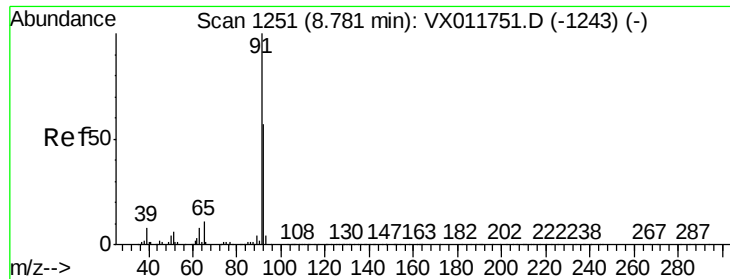
Tgt Ion: 98 Resp: 721277
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 13.099 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 43 Resp: 72806
Ion Ratio Lower Upper
43 100
58 10.4 31.8 47.6#





#52

Toluene

Concen: 0.236 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

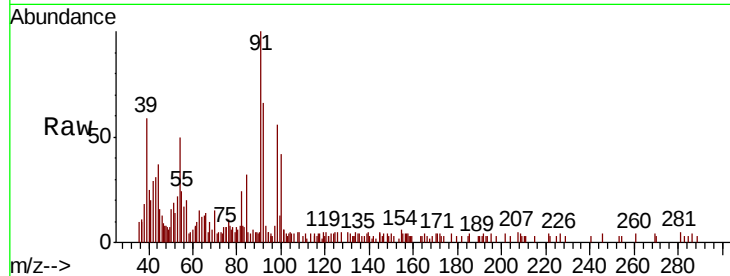
PB122428TB

Tgt Ion: 92 Resp: 2328

Ion Ratio Lower Upper

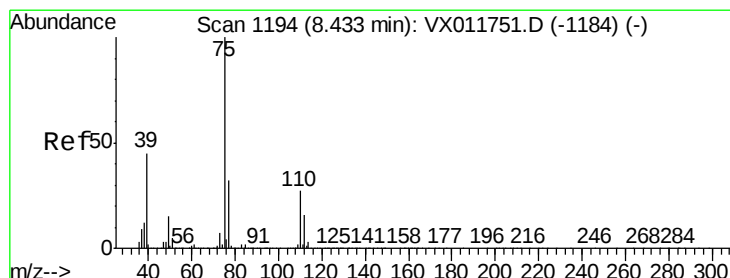
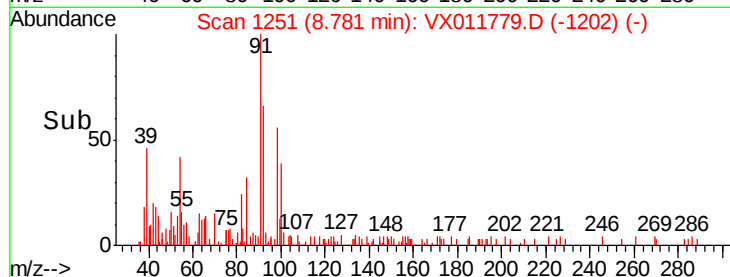
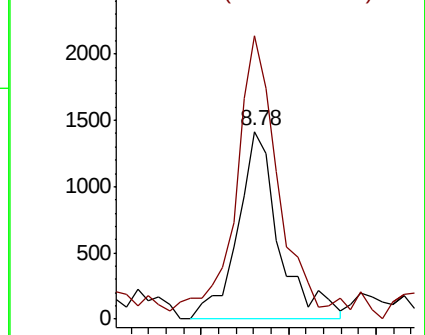
92 100

91 147.3 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 6.367 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

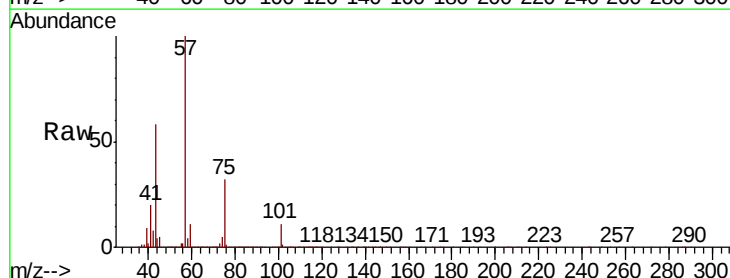
Tgt Ion: 75 Resp: 37056

Ion Ratio Lower Upper

75 100

77 0.3 25.4 38.2#

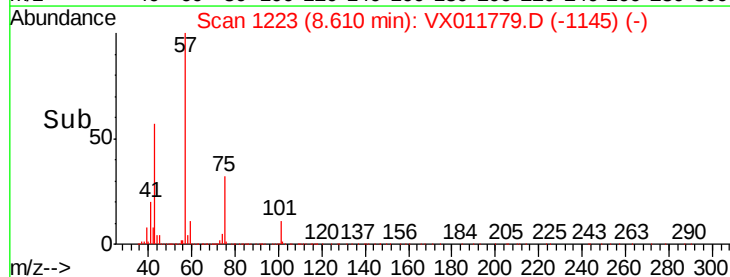
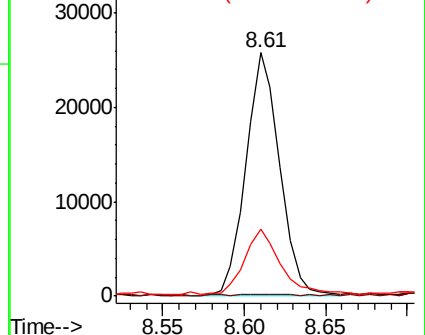
39 26.2 36.2 54.4#

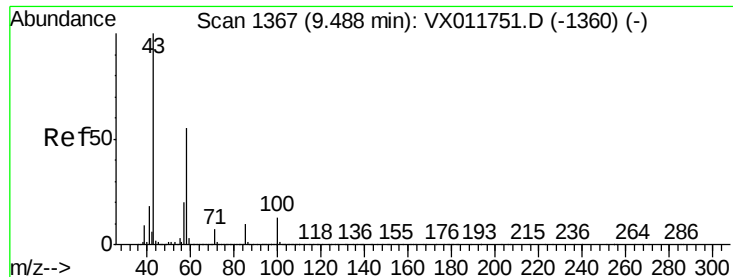


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

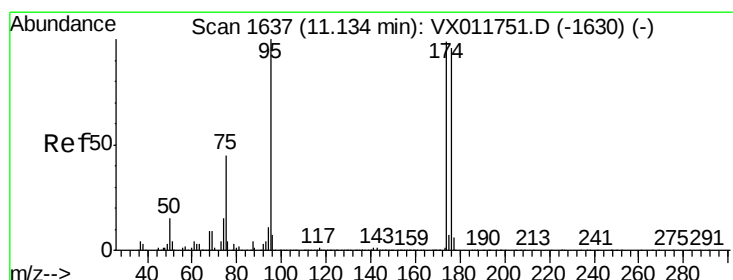
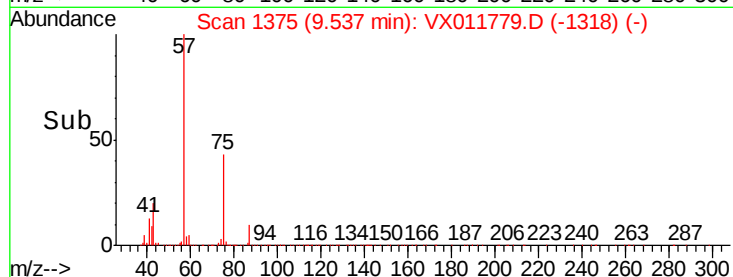
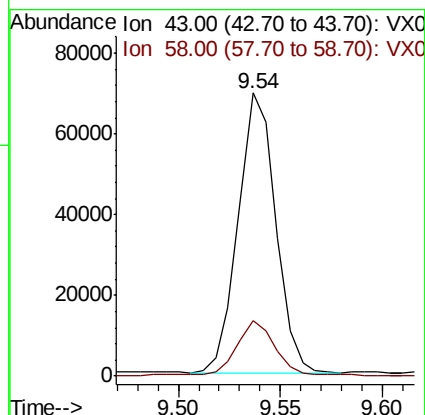
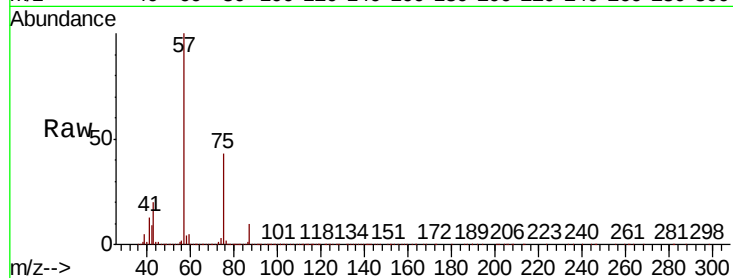




#59
2-Hexanone
Concen: 20.788 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

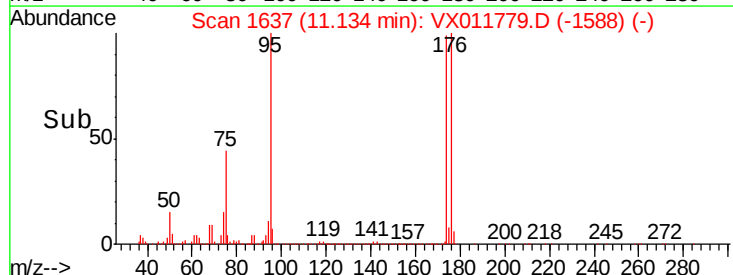
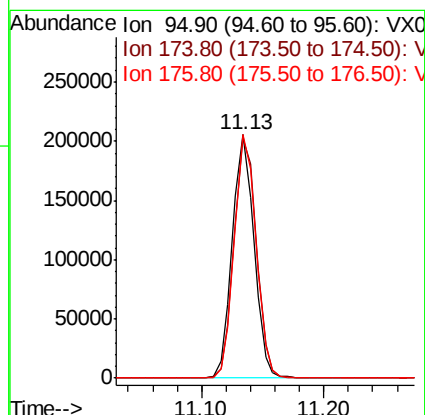
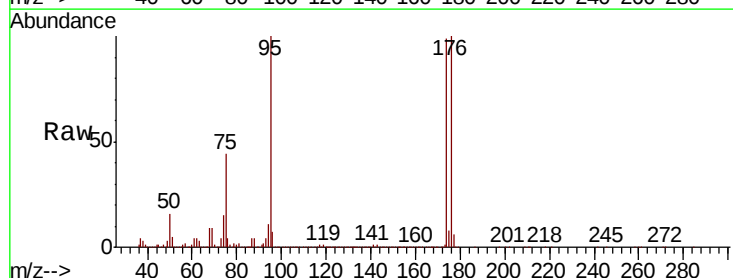
Instrument :
MSVOA_X
ClientSampleId :
PB122428TB

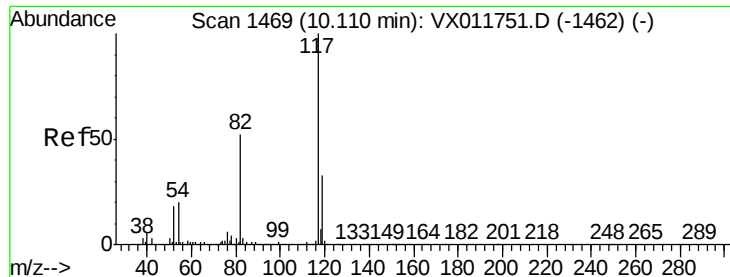
Tgt Ion: 43 Resp: 88682
Ion Ratio Lower Upper
43 100
58 20.2 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.701 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion: 95 Resp: 250268
Ion Ratio Lower Upper
95 100
174 102.4 0.0 197.4
176 101.0 0.0 194.4

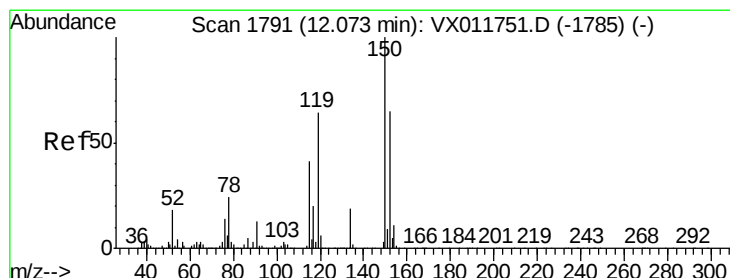
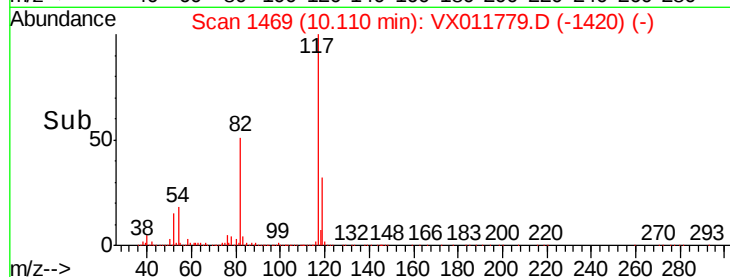
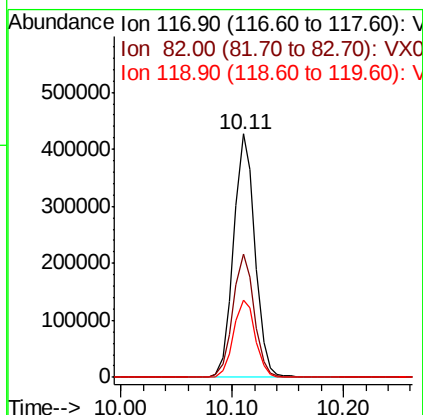
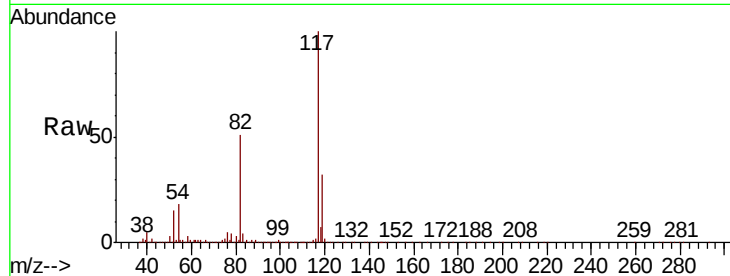




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

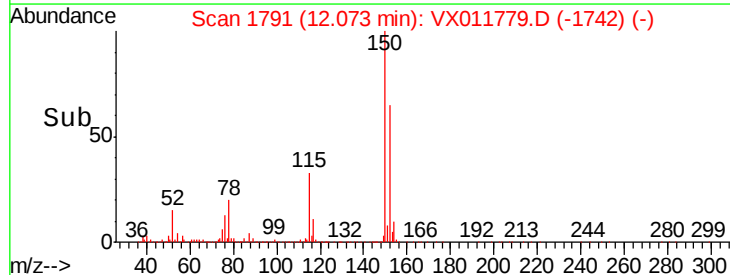
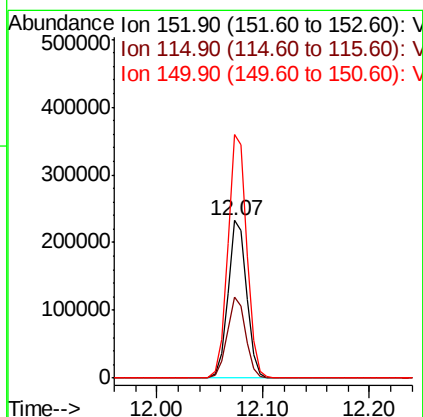
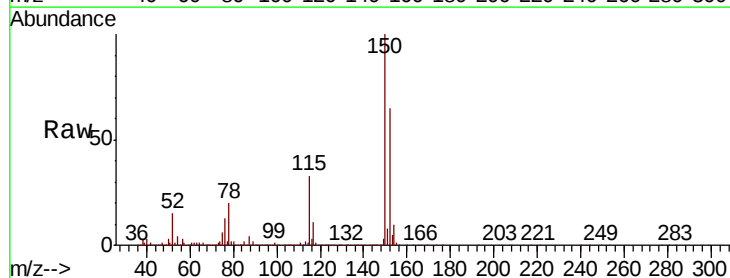
Instrument :
MSVOA_X
ClientSampled :
PB122428TB

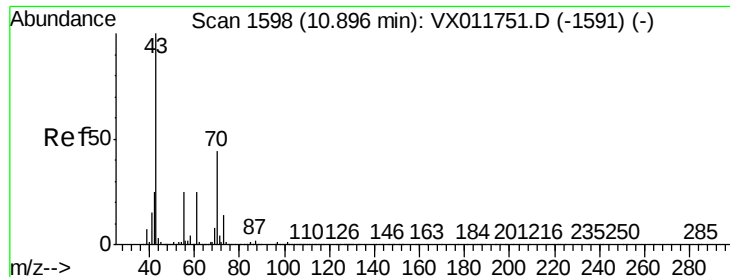
Tgt Ion:117 Resp: 566388
Ion Ratio Lower Upper
117 100
82 50.7 41.7 62.5
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion:152 Resp: 286252
Ion Ratio Lower Upper
152 100
115 51.4 37.3 111.8
150 156.1 0.0 343.0

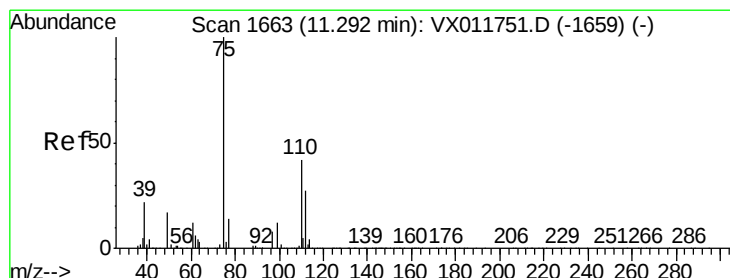
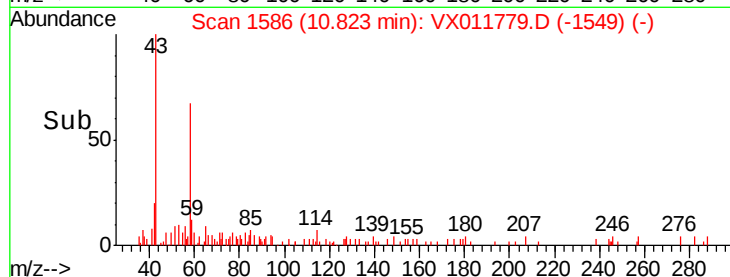
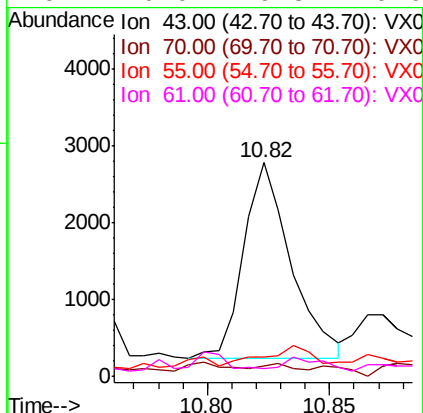
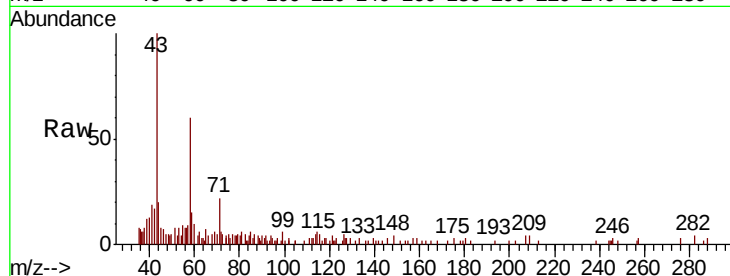




#74
N-ethyl acetate
Concen: 0.511 ug/l
RT: 10.82 min Scan# 1586
Delta R.T. -0.07 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

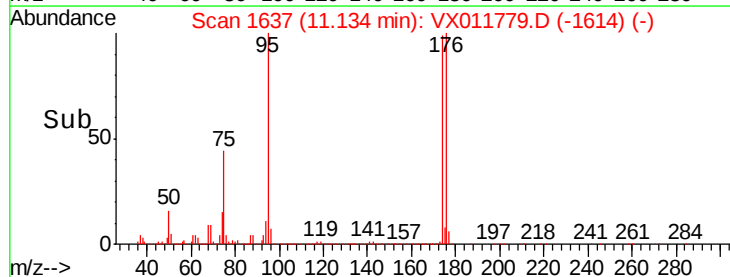
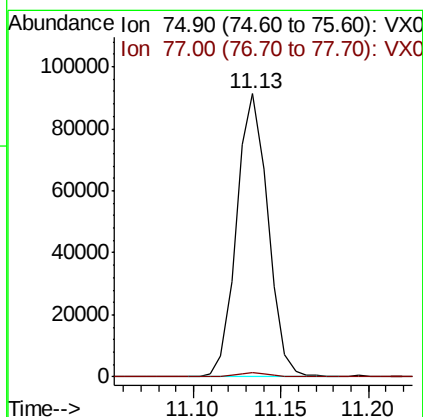
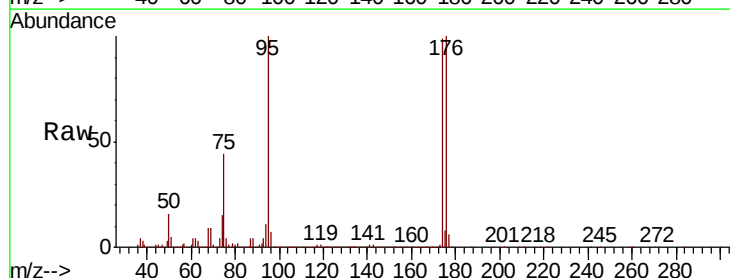
Instrument :
MSVOA_X
ClientSampleID :
PB122428TB

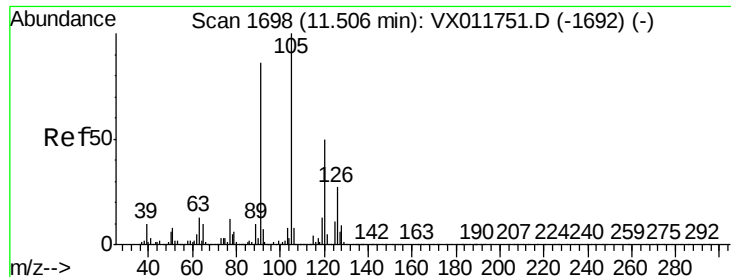
Tgt Ion:	43	Resp:	3412
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	0.0	19.5	29.3#
61	0.0	19.8	29.6#



#76
1,2,3-Trichloropropane
Concen: 22.563 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011779.D
Acq: 22 Aug 2019 22:00

Tgt Ion:	75	Resp:	113332
Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.1	63.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.473 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

Instrument :

MSVOA_X

ClientSampleId :

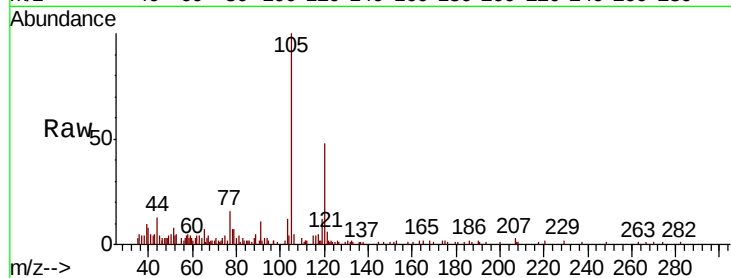
PB122428TB

Tgt Ion: 105 Resp: 6813

Ion Ratio Lower Upper

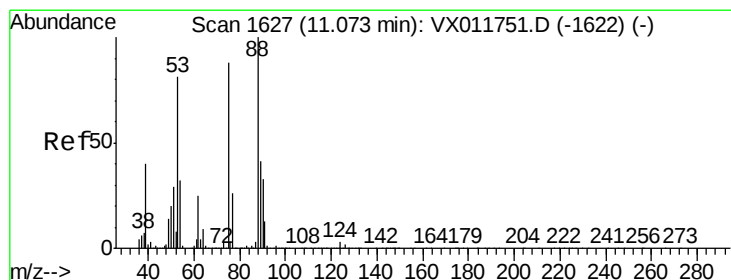
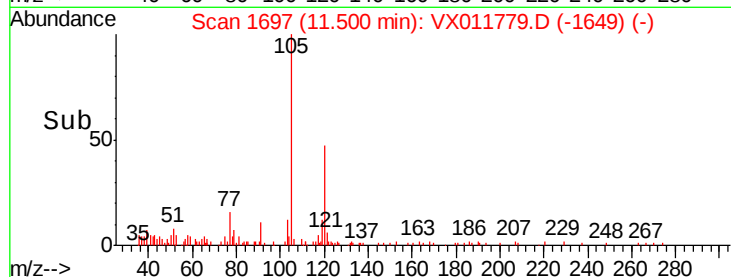
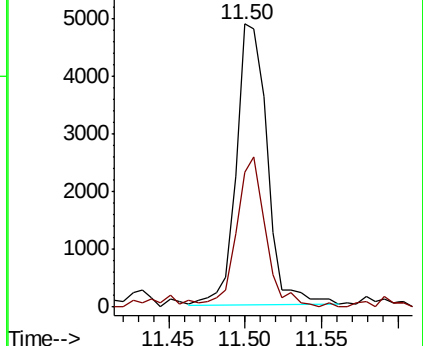
105 100

120 50.1 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: 68.047 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011779.D

Acq: 22 Aug 2019 22:00

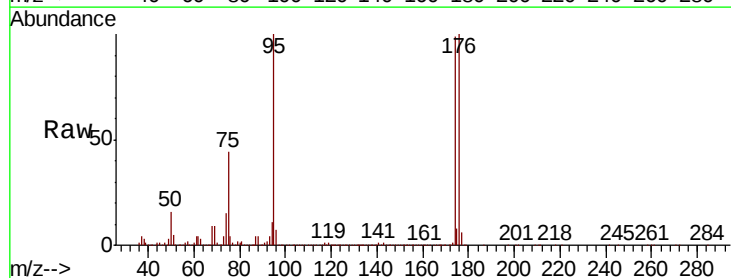
Tgt Ion: 75 Resp: 113332

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.5 57.7#



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

