

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029060.D
 Acq On : 28 May 2022 06:22
 Operator : JC/MD
 Sample : PB145106ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106ZHE#01

Quant Time: May 28 08:40:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

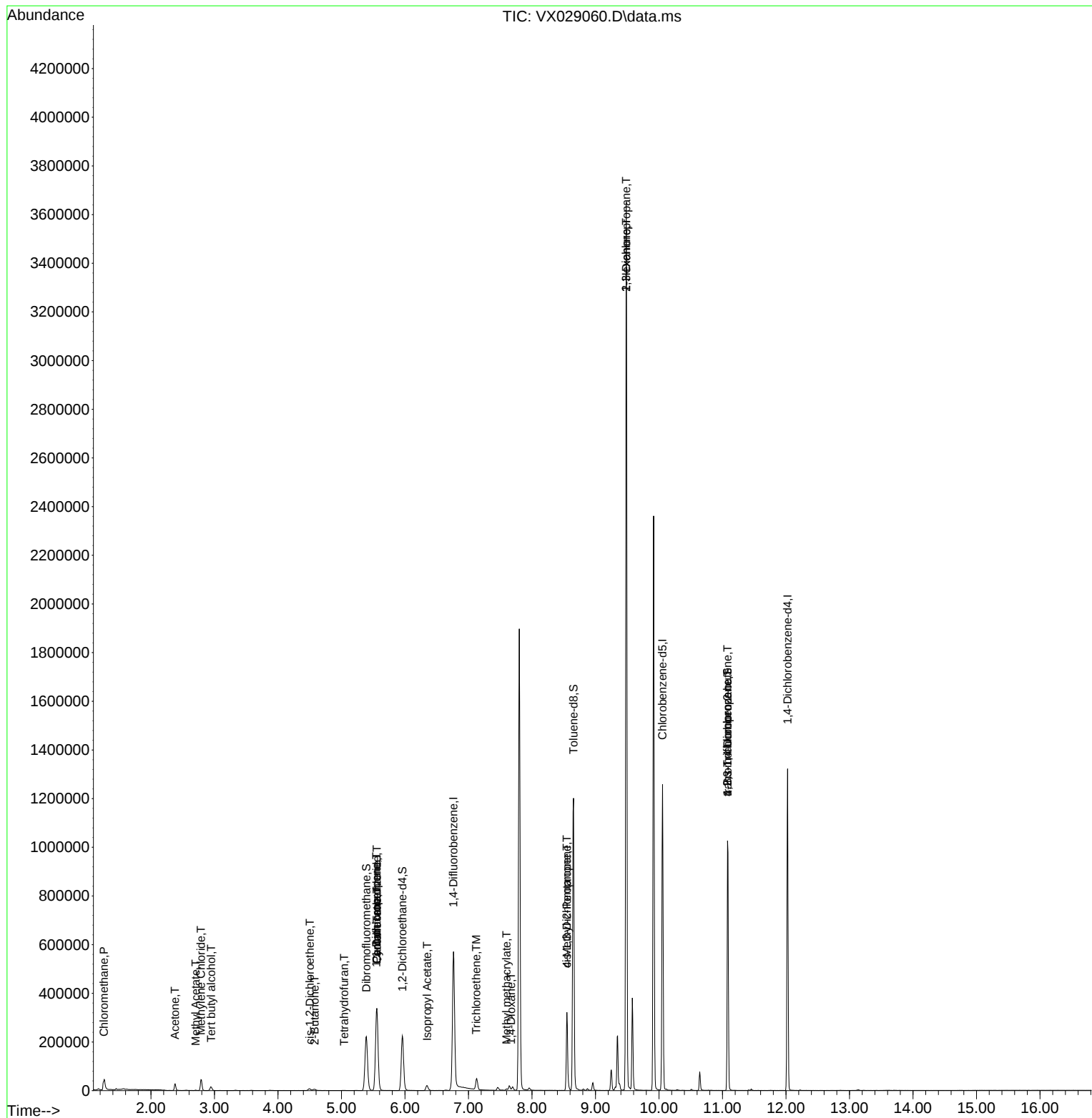
Internal Standards						
1) Pentafluorobenzene	5.556	168	327666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	588439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	272879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	217251	48.369	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.740%		
35) Dibromofluoromethane	5.391	113	197216	51.154	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.300%		
50) Toluene-d8	8.653	98	724915	49.872	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	283711	52.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.520%		
Target Compounds						Qvalue
3) Chloromethane	1.258	50	1881	0.466	ug/l #	42
5) Bromomethane	1.618	94	817	Below Cal		88
6) Chloroethane	1.691	64	183	Below Cal #		43
11) Tert butyl alcohol	2.947	59	8726	1.214	ug/l #	76
16) Acetone	2.380	43	28959	15.023	ug/l	100
18) Methyl Acetate	2.703	43	2027	0.420	ug/l	95
20) Methylene Chloride	2.788	84	22356	5.528	ug/l	96
25) 2-Butanone	4.574	43	5867	1.939	ug/l #	84
27) cis-1,2-Dichloroethene	4.501	96	5091	1.141	ug/l	97
29) Tetrahydrofuran	5.044	42	467	0.237	ug/l #	44
31) Cyclohexane	5.556	56	6182	0.992	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	24419	4.217	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32940	5.652	ug/l #	16
43) Isopropyl Acetate	6.349	43	27551	2.912	ug/l	98
44) Trichloroethene	7.123	130	18244	4.042	ug/l	94
48) Methyl methacrylate	7.598	41	8000	1.750	ug/l #	7
49) 1,4-Dioxane	7.671	88	45	0.394	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	101072	16.216	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	54121	8.355	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	33787	4.589	ug/l #	43
59) 2-Hexanone	9.482	43	397064	81.998	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	139562	21.839	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	139562	63.978	ug/l #	15

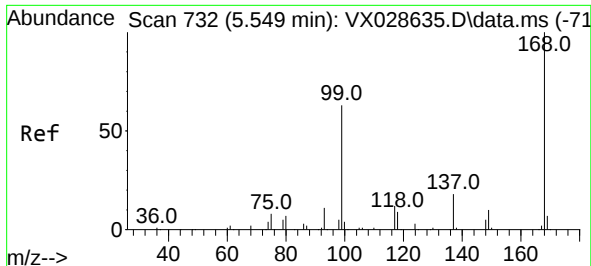
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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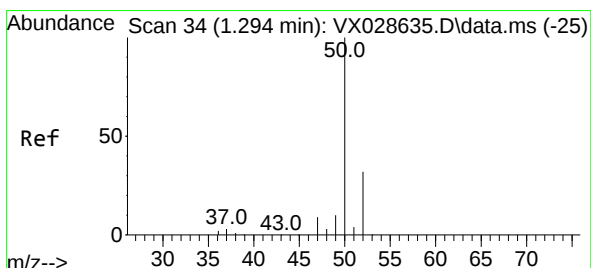
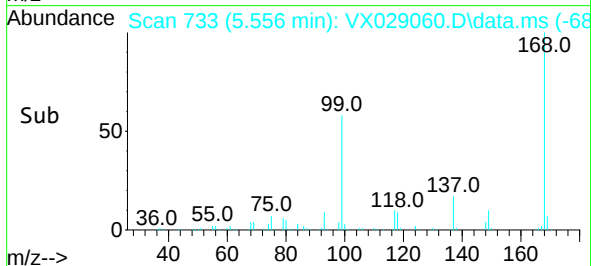
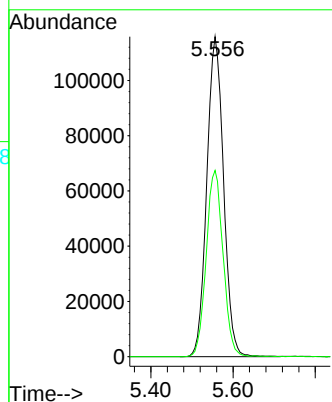
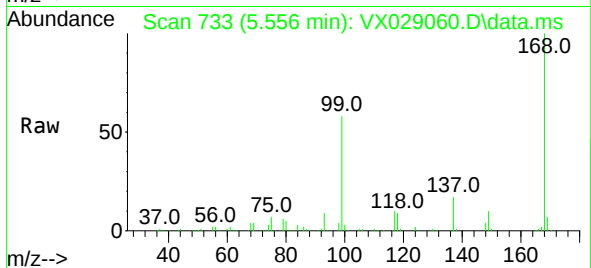




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

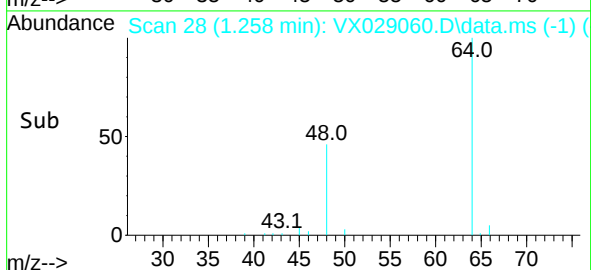
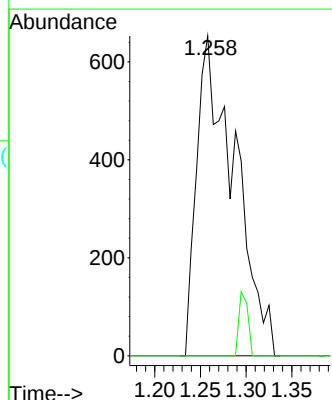
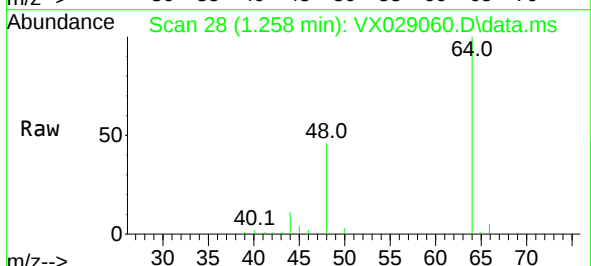
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

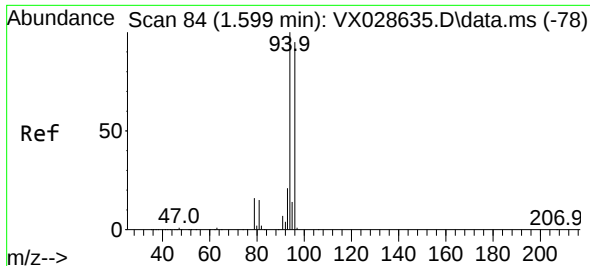
Tgt Ion:168 Resp: 327666
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5



#3
Chloromethane
Concen: 0.466 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.036 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 50 Resp: 1881
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

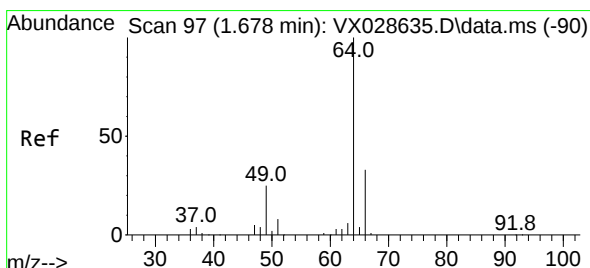
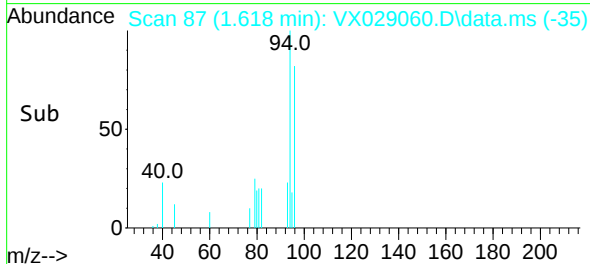
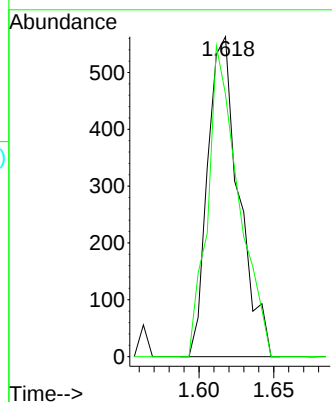
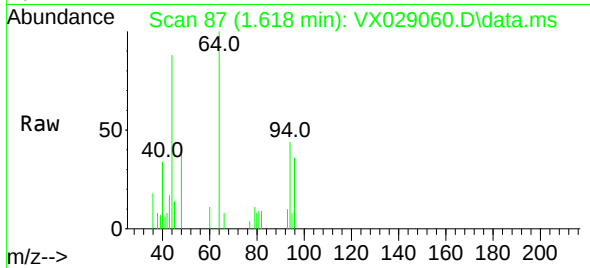




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

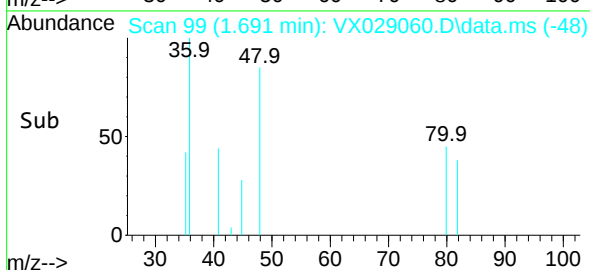
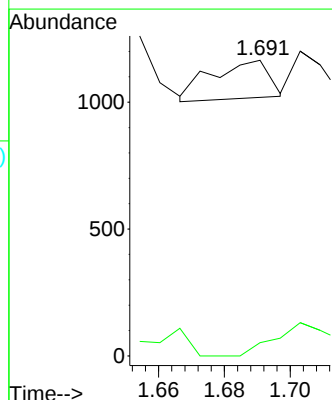
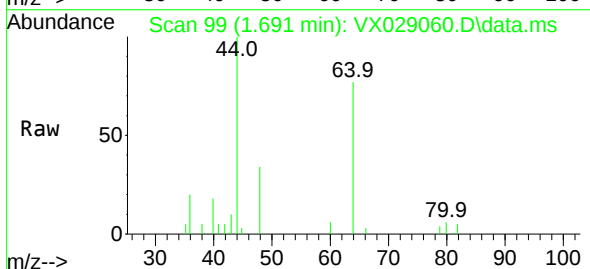
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

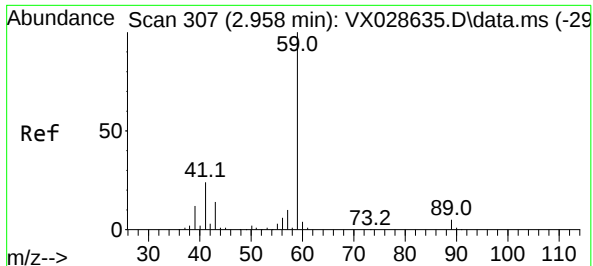
Tgt Ion: 94 Resp: 817
Ion Ratio Lower Upper
94 100
96 82.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 1.214 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

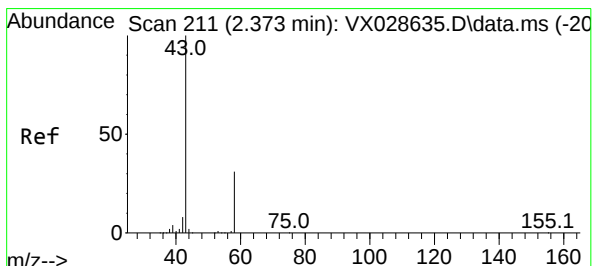
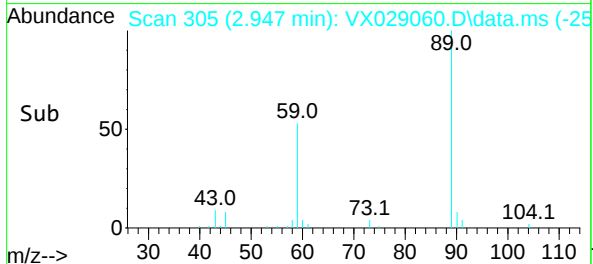
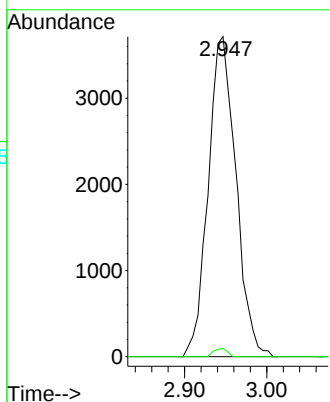
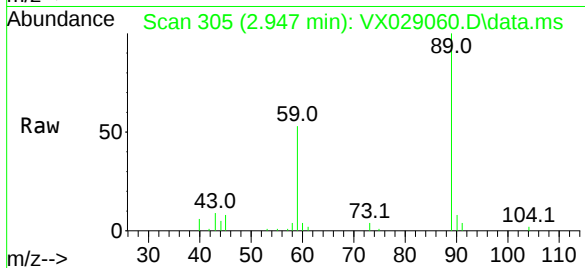
PB145106ZHE#01

Tgt Ion: 59 Resp: 8726

Ion Ratio Lower Upper

59 100

57 1.2 8.3 12.5#



#16

Acetone

Concen: 15.023 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029060.D

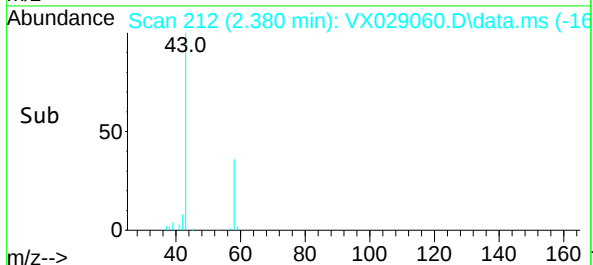
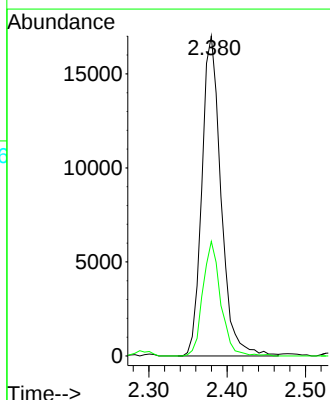
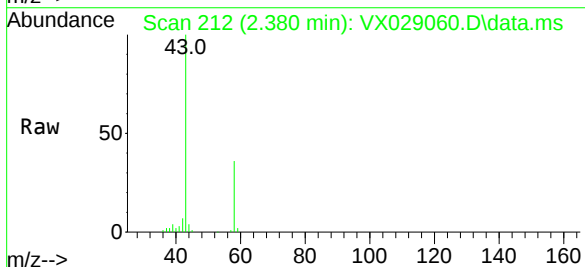
Acq: 28 May 2022 06:22

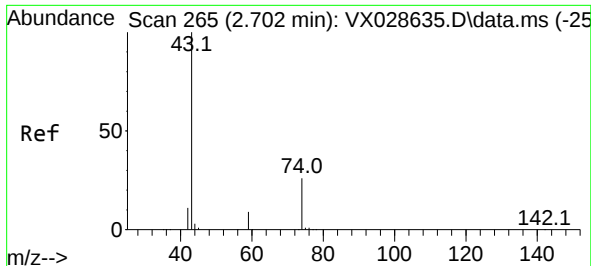
Tgt Ion: 43 Resp: 28959

Ion Ratio Lower Upper

43 100

58 35.8 28.8 43.2

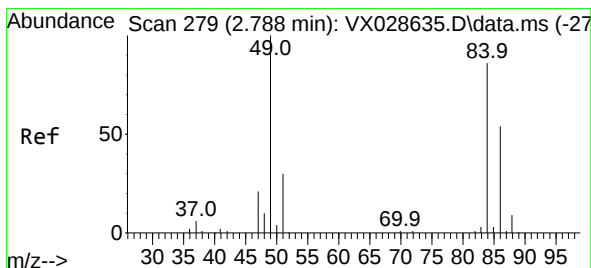
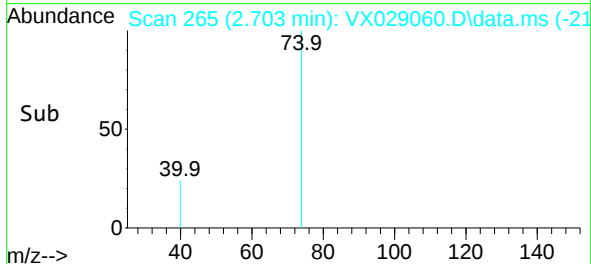
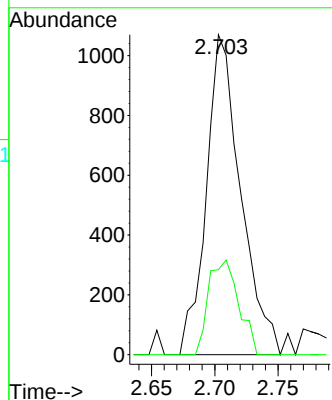
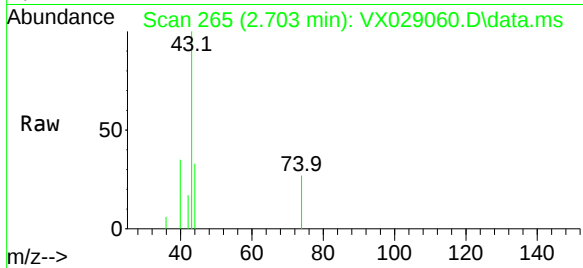




#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 2.703 min Scan# 2027
Delta R.T. 0.001 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

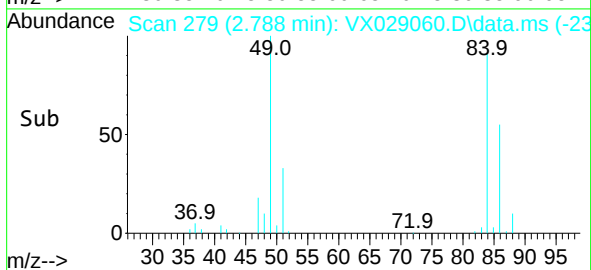
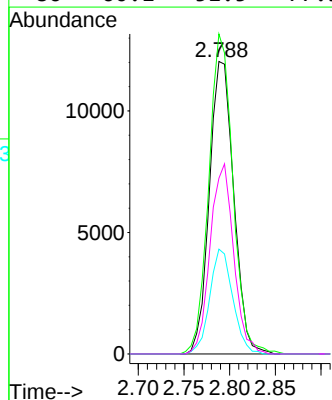
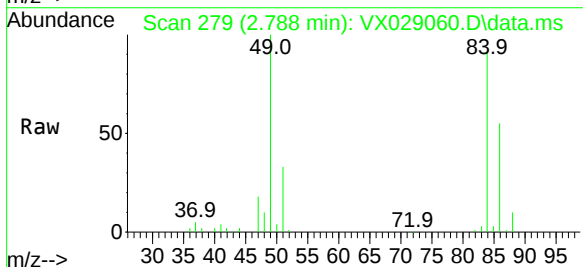
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

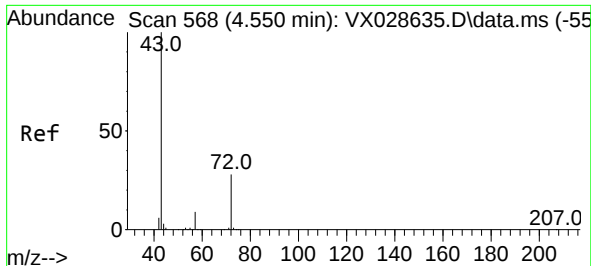
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
74 25.9 22.8 34.2



#20
Methylene Chloride
Concen: 5.528 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 84 Resp: 22356
Ion Ratio Lower Upper
84 100
49 109.4 85.5 128.3
51 35.8 26.6 39.8
86 60.1 51.5 77.3

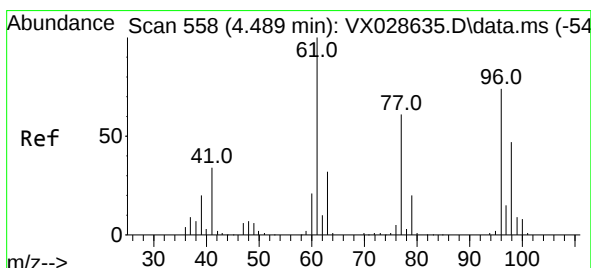
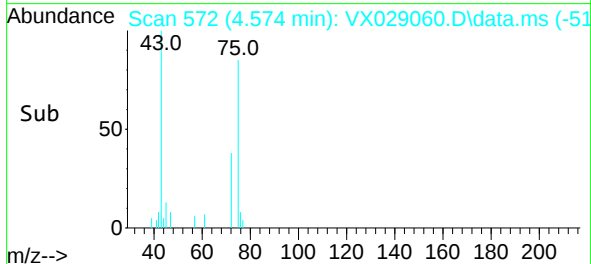
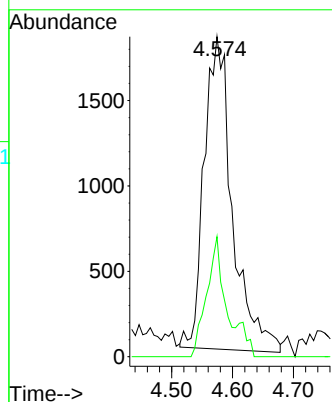
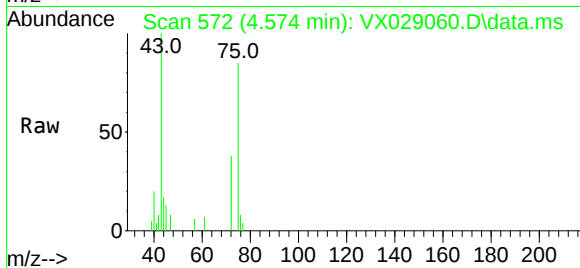




#25
2-Butanone
Concen: 1.939 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

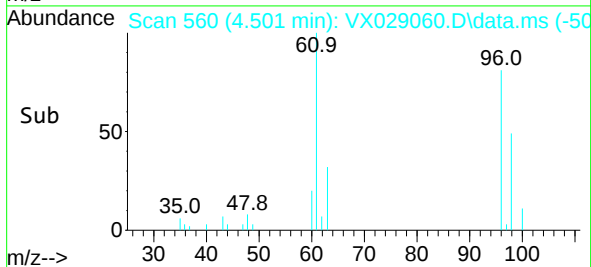
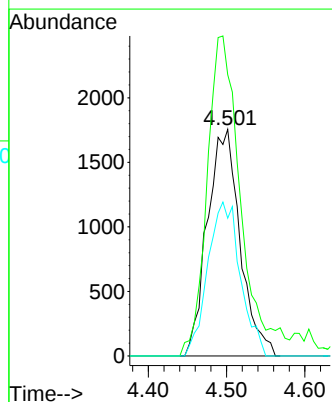
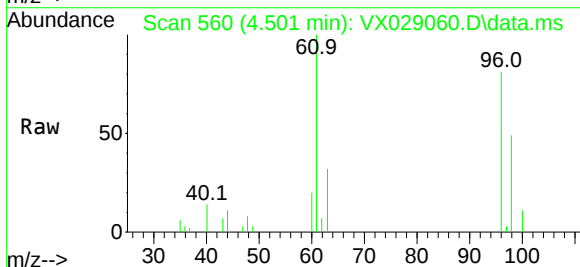
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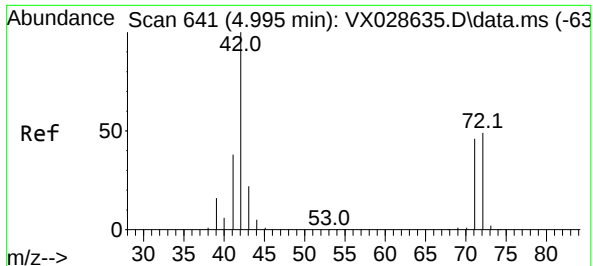
Tgt Ion: 43 Resp: 5867
Ion Ratio Lower Upper
43 100
72 39.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 1.141 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 96 Resp: 5091
Ion Ratio Lower Upper
96 100
61 145.4 0.0 283.8
98 67.6 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.044 min Scan# 641

Delta R.T. 0.049 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

PB145106ZHE#01

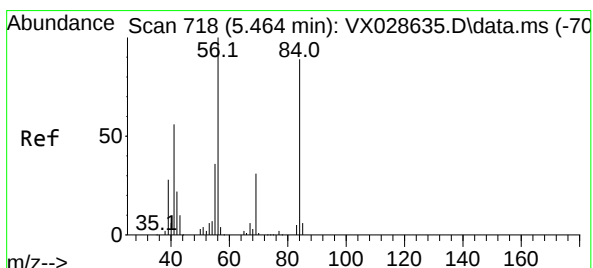
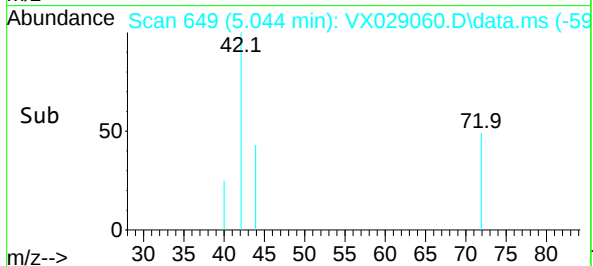
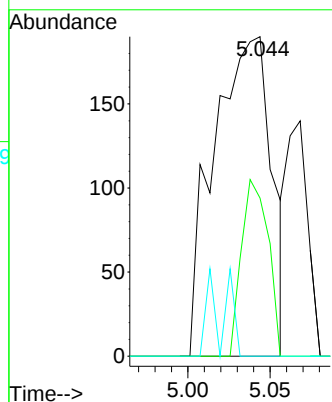
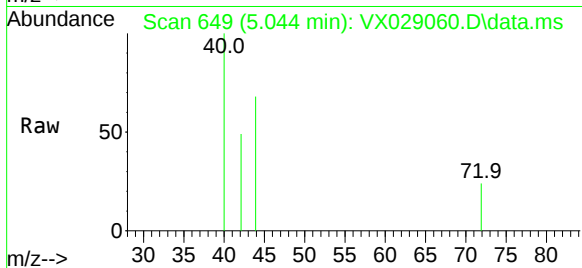
Tgt Ion: 42 Resp: 467

Ion Ratio Lower Upper

42 100

72 25.5 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

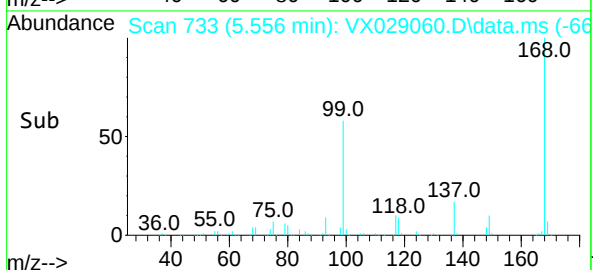
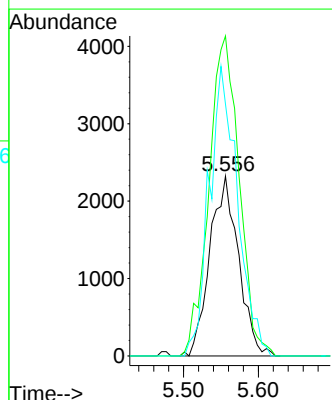
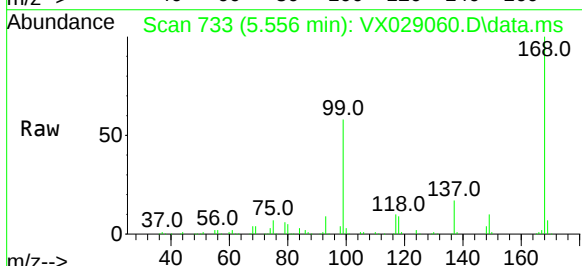
Tgt Ion: 56 Resp: 6182

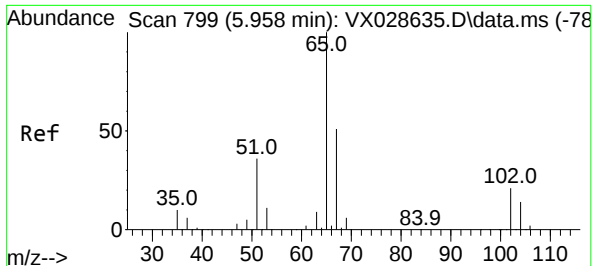
Ion Ratio Lower Upper

56 100

69 178.0 26.7 40.1#

84 140.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.369 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

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ClientSampleId :

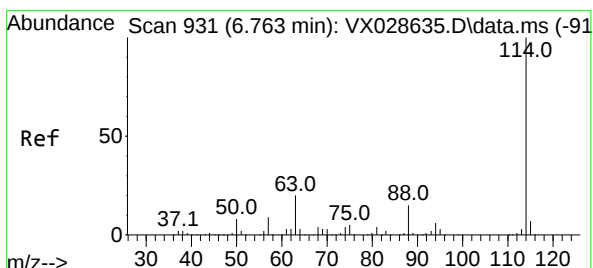
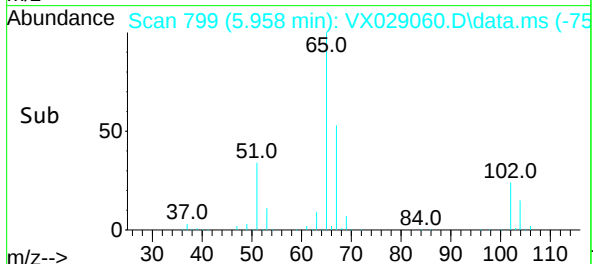
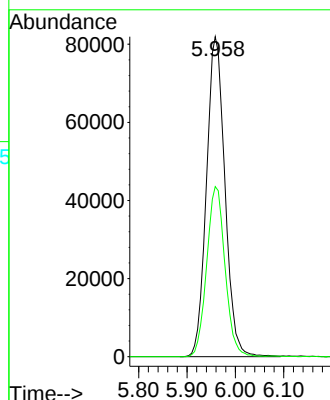
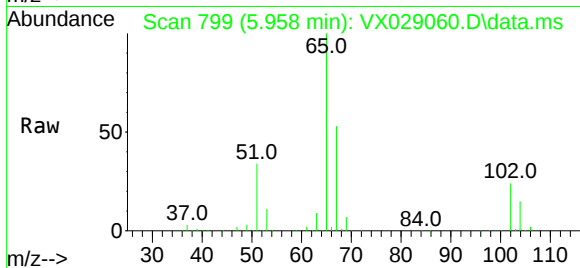
PB145106ZHE#01

Tgt Ion: 65 Resp: 217251

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

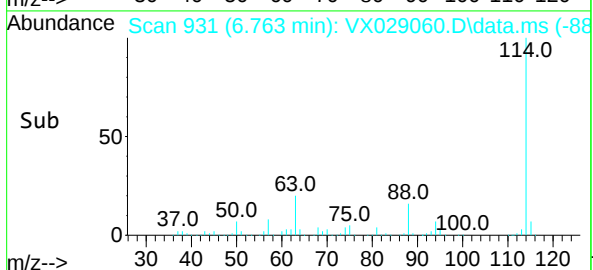
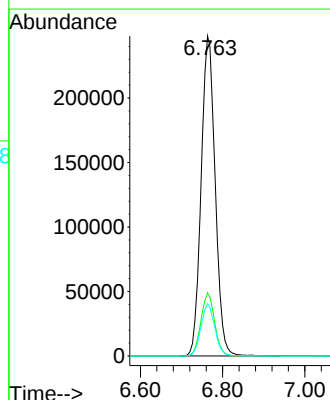
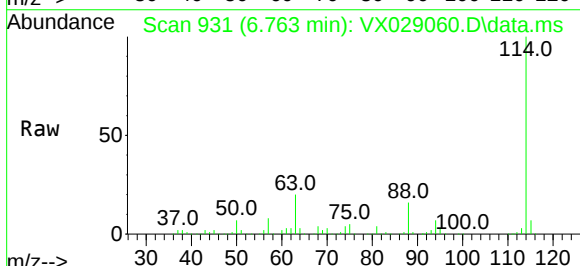
Tgt Ion: 114 Resp: 588439

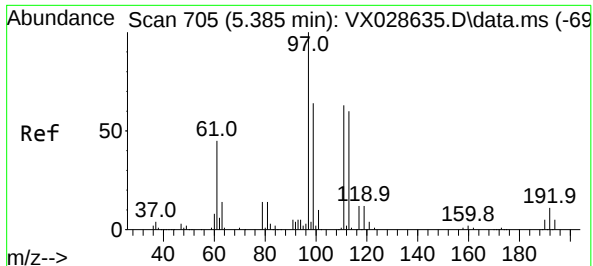
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.154 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029060.D

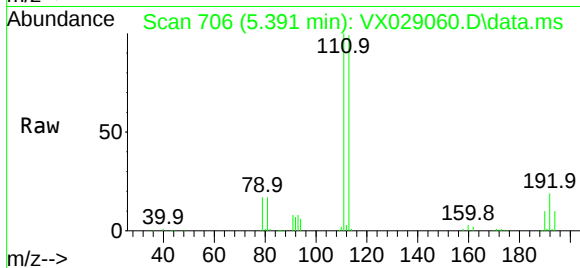
Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

PB145106ZHE#01



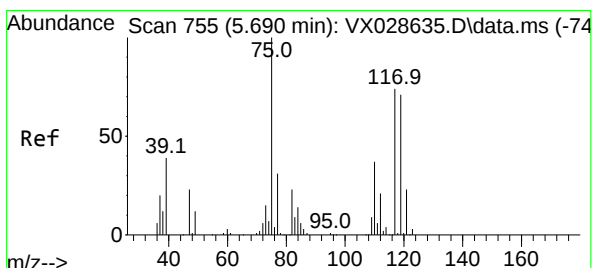
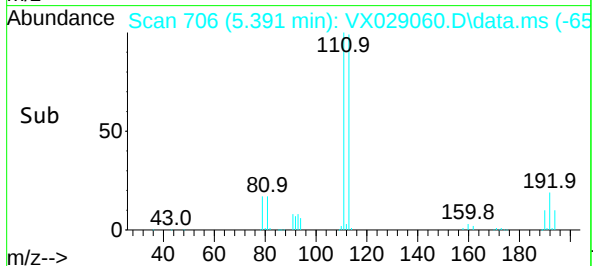
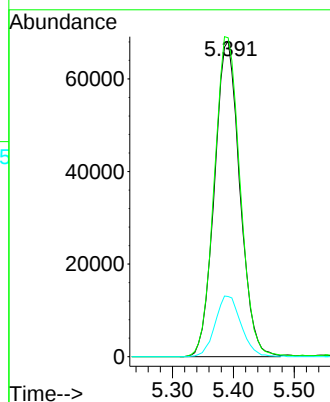
Tgt Ion:113 Resp: 197216

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

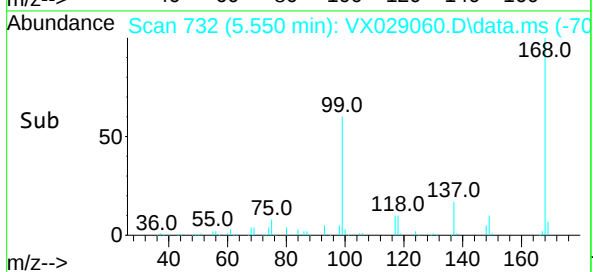
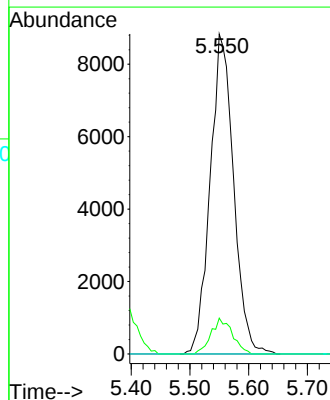
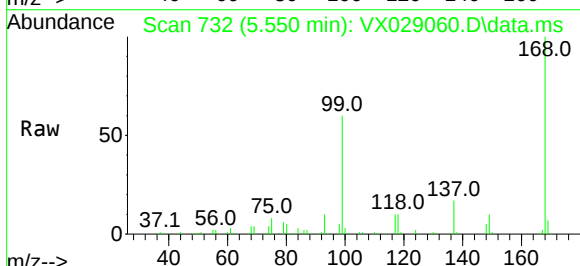
Tgt Ion: 75 Resp: 24419

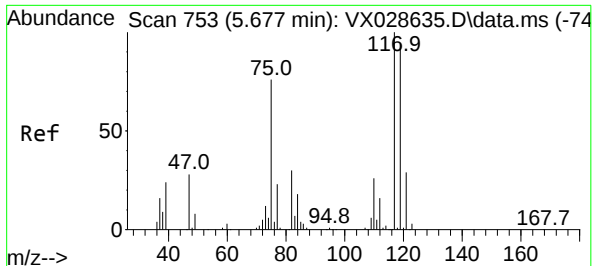
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.652 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.121 min

Lab File: VX029060.D

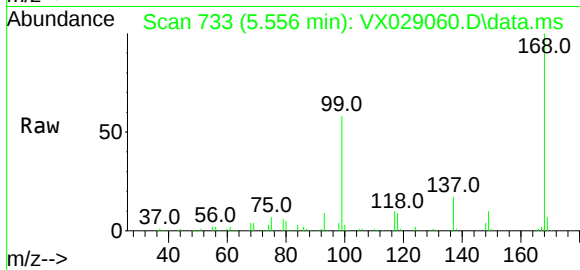
Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

PB145106ZHE#01



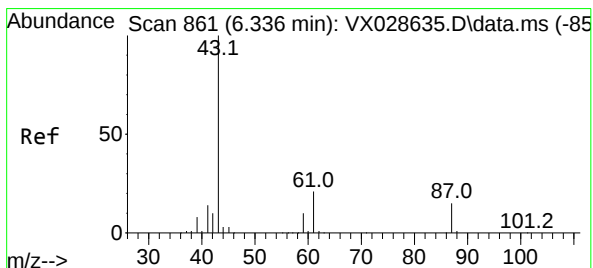
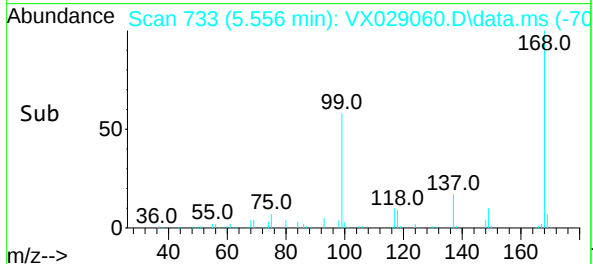
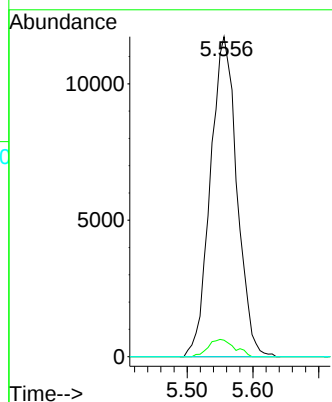
Tgt Ion:117 Resp: 32940

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 24.2 36.2#



#43

Isopropyl Acetate

Concen: 2.912 ug/l

RT: 6.349 min Scan# 863

Delta R.T. 0.013 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

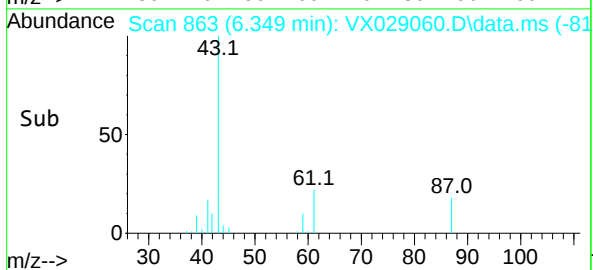
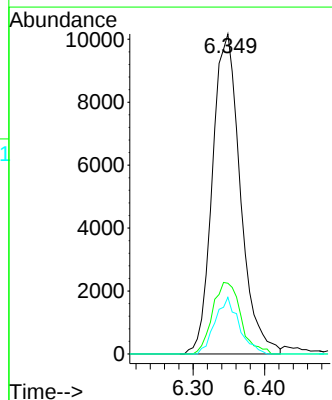
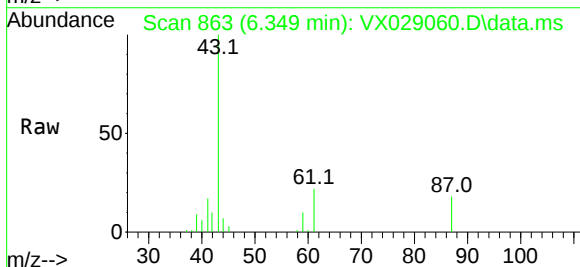
Tgt Ion: 43 Resp: 27551

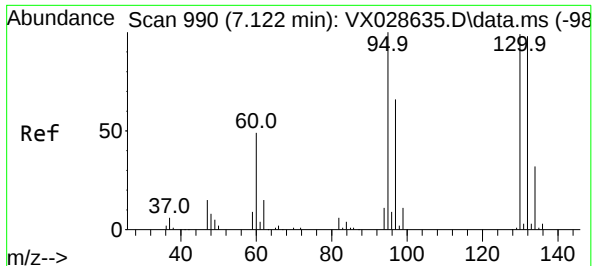
Ion Ratio Lower Upper

43 100

61 22.6 18.5 27.7

87 15.2 13.0 19.6

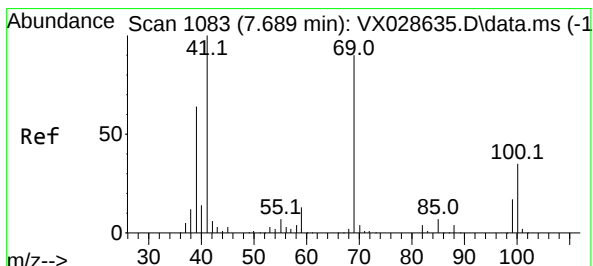
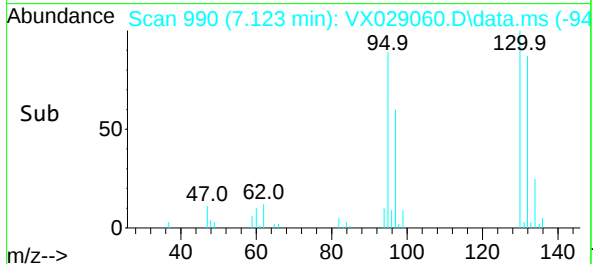
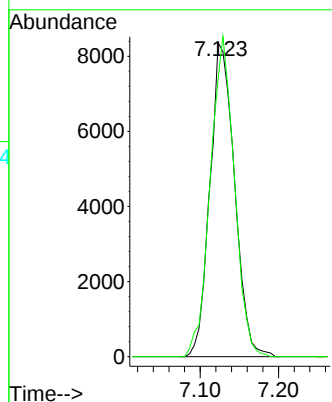
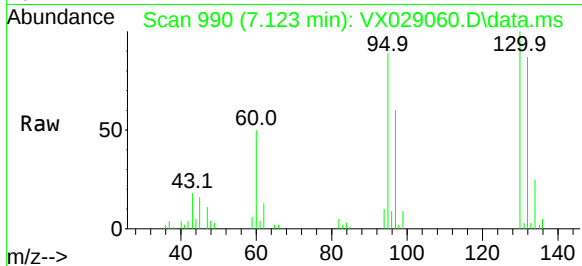




#44
Trichloroethene
Concen: 4.042 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.001 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

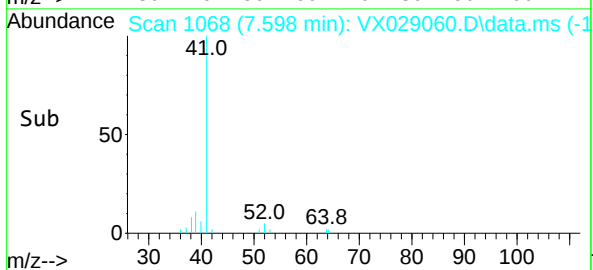
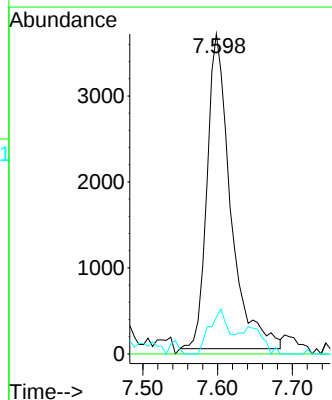
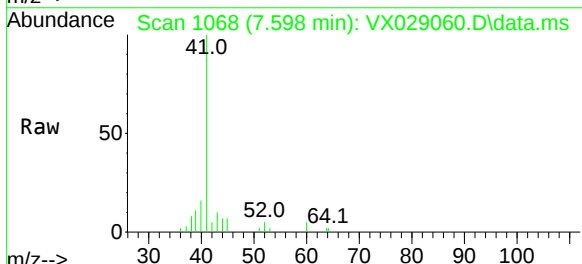
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

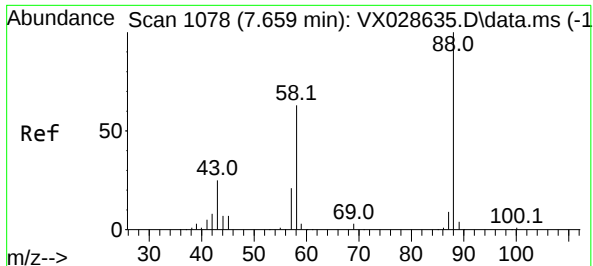
Tgt Ion:130 Resp: 18244
Ion Ratio Lower Upper
130 100
95 88.6 0.0 188.8



#48
Methyl methacrylate
Concen: 1.750 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 41 Resp: 8000
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.394 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

PB145106ZHE#01

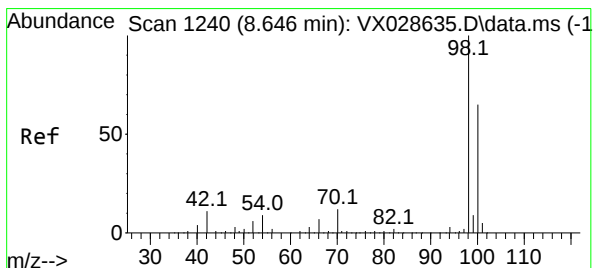
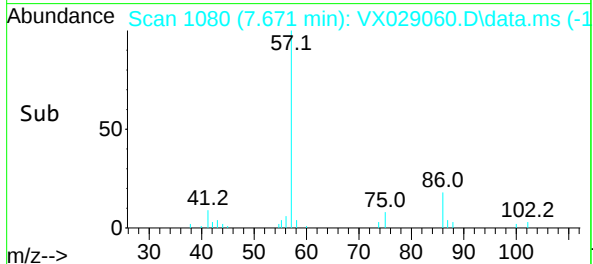
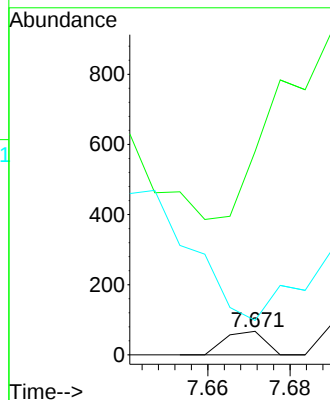
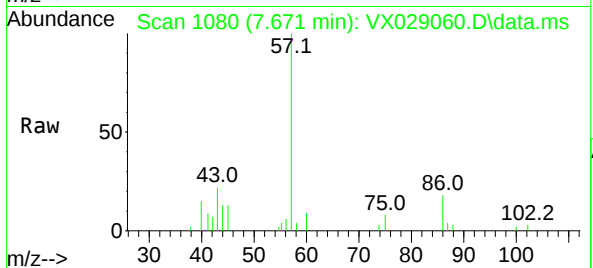
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 0.0 53.7 80.5#



#50

Toluene-d8

Concen: 49.872 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX029060.D

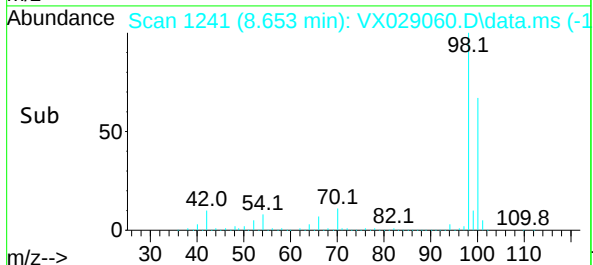
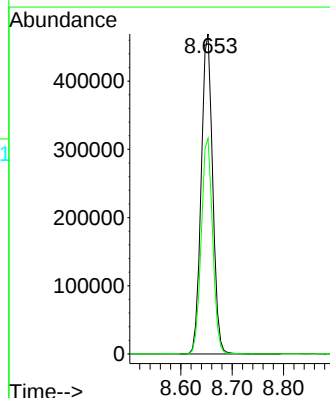
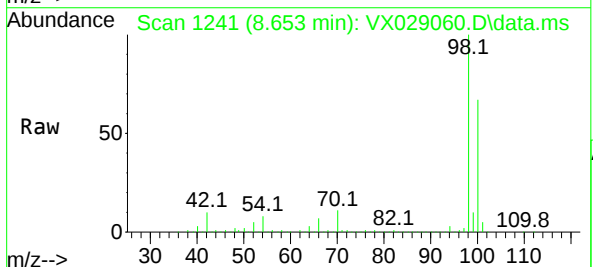
Acq: 28 May 2022 06:22

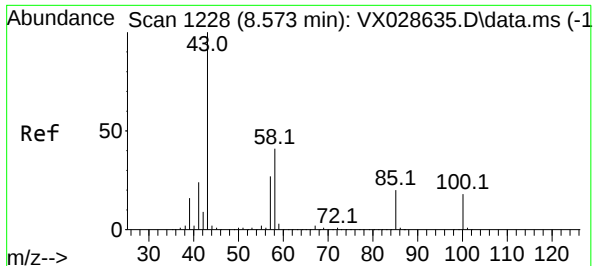
Tgt Ion: 98 Resp: 724915

Ion Ratio Lower Upper

98 100

100 66.9 52.6 78.8

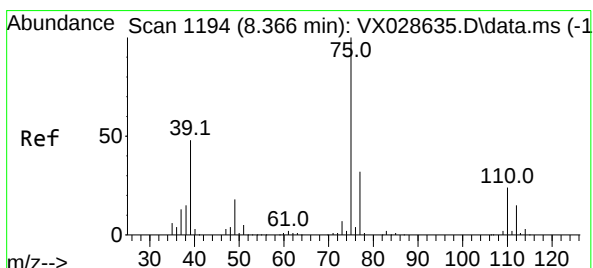
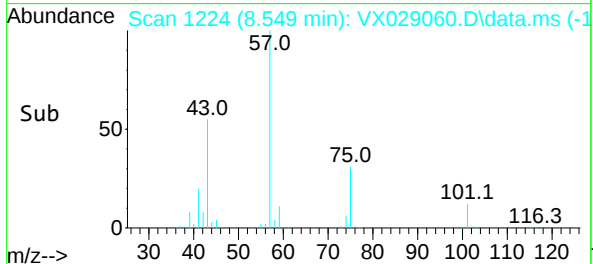
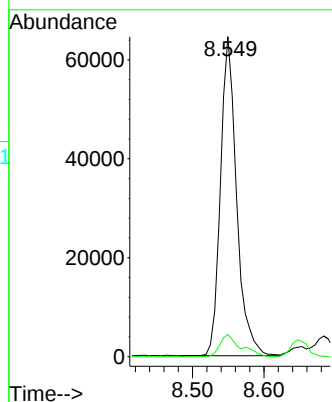
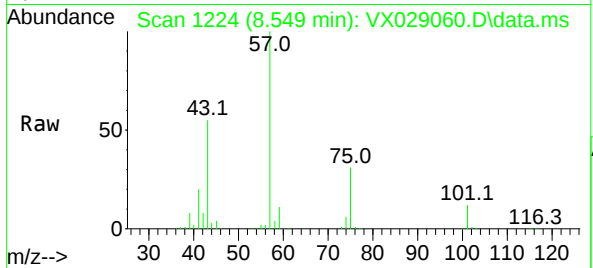




#51
4-Methyl-2-Pentanone
Concen: 16.216 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

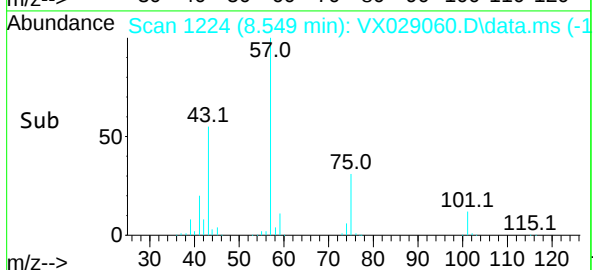
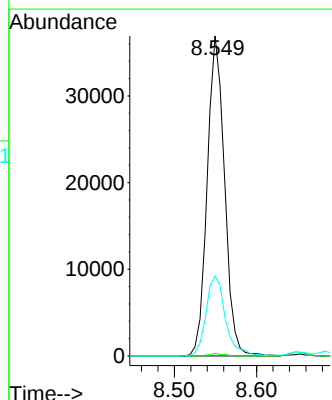
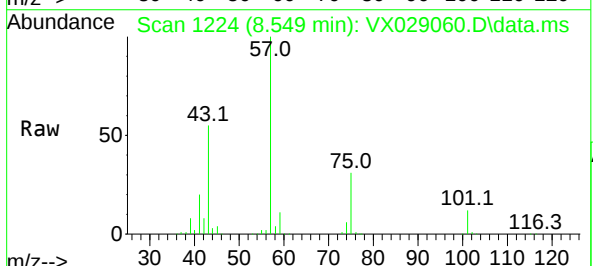
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

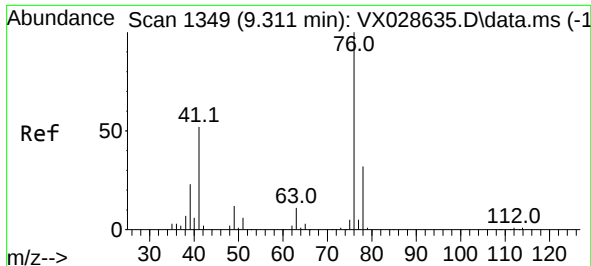
Tgt Ion: 43 Resp: 101072
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 8.355 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 75 Resp: 54121
Ion Ratio Lower Upper
75 100
77 0.8 24.8 37.2#
39 25.0 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.589 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029060.D

Acq: 28 May 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :

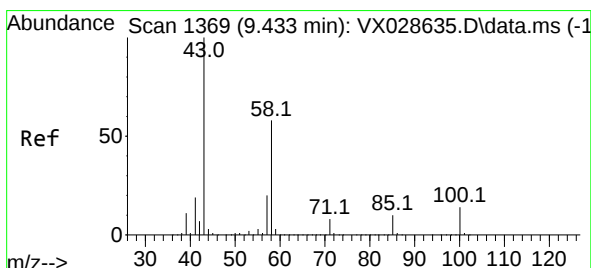
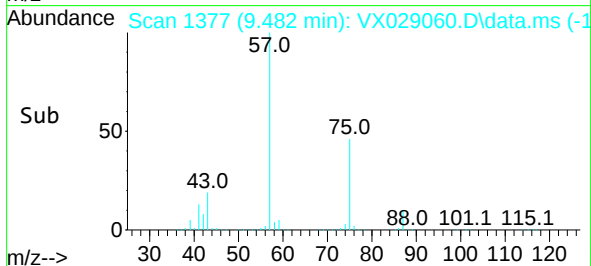
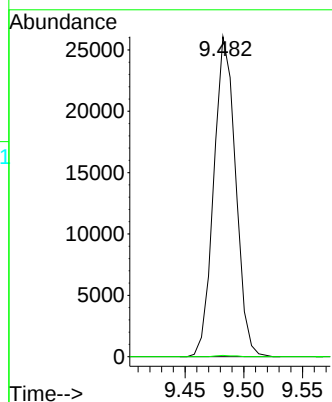
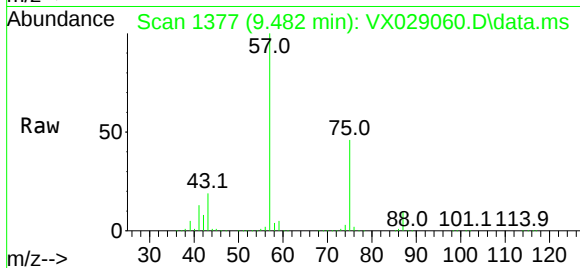
PB145106ZHE#01

Tgt Ion: 76 Resp: 33787

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 81.998 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029060.D

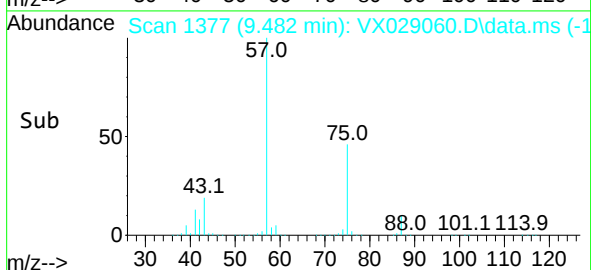
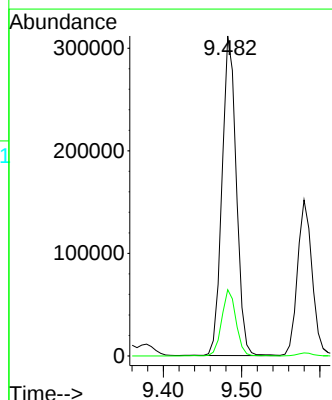
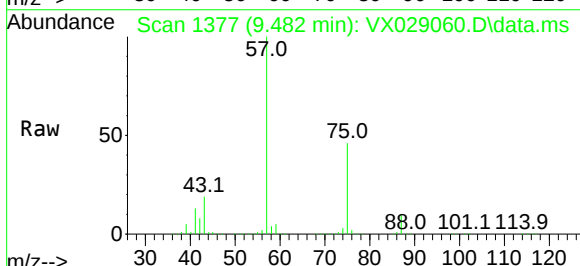
Acq: 28 May 2022 06:22

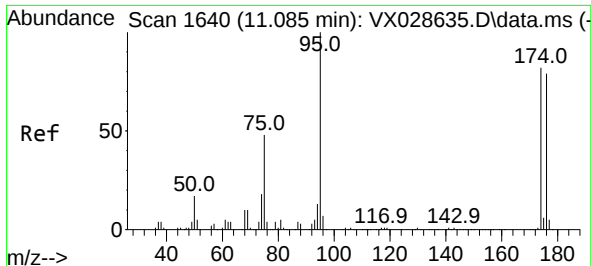
Tgt Ion: 43 Resp: 397064

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#

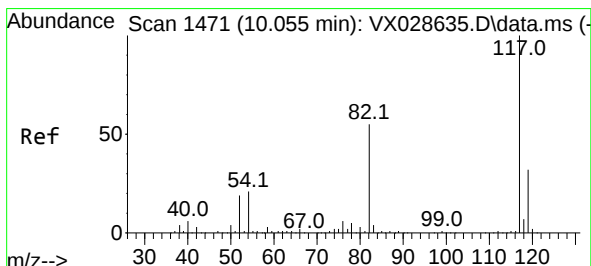
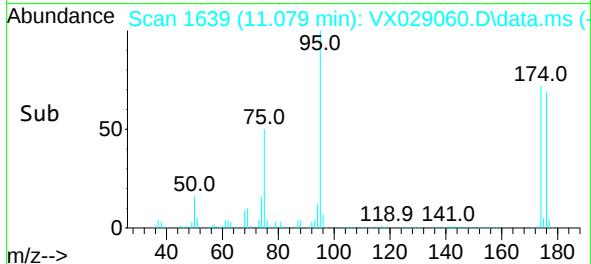
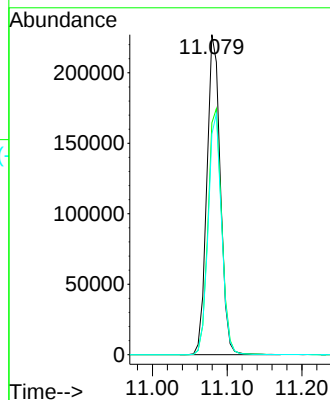
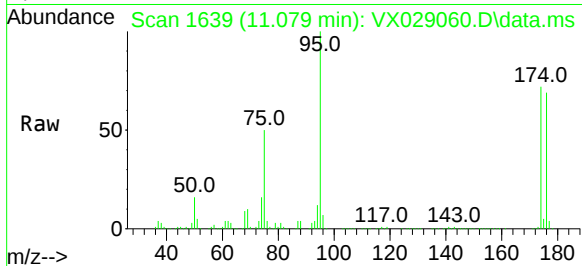




#62
4-Bromofluorobenzene
Concen: 52.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

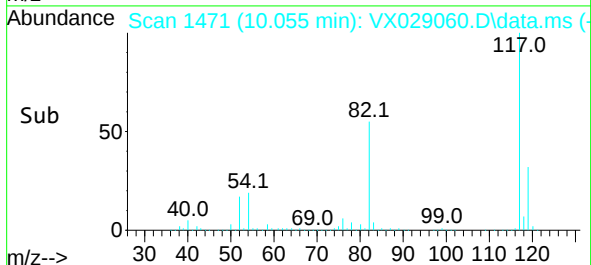
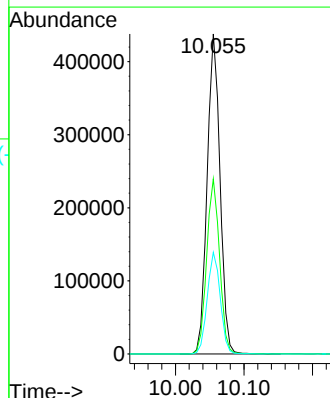
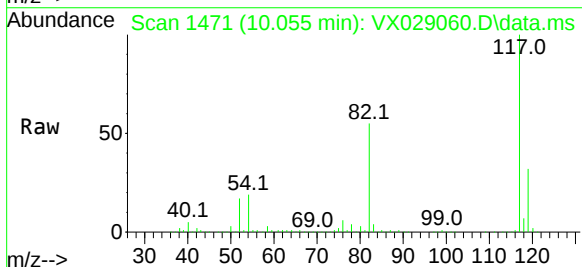
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

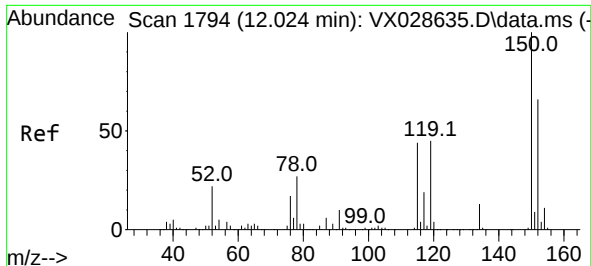
Tgt Ion: 95 Resp: 283711
Ion Ratio Lower Upper
95 100
174 78.2 0.0 163.0
176 75.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 117 Resp: 572538
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 31.8 24.8 37.2

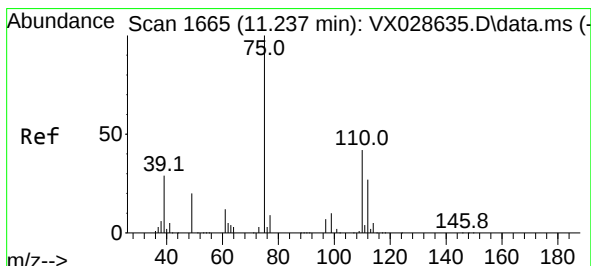
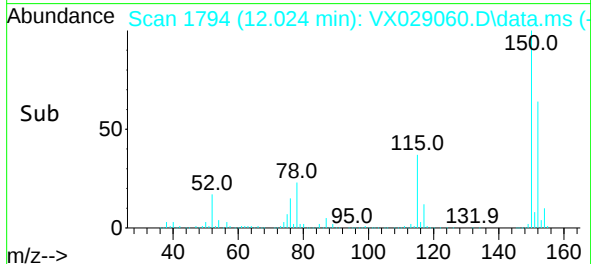
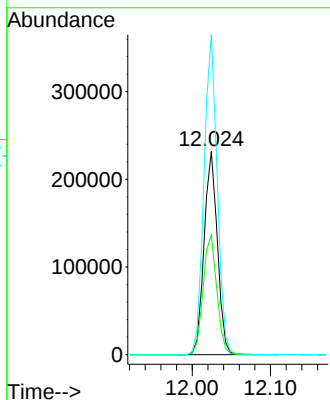
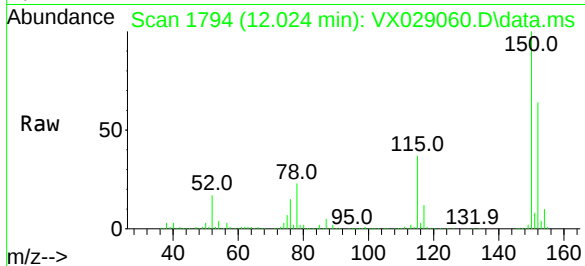




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

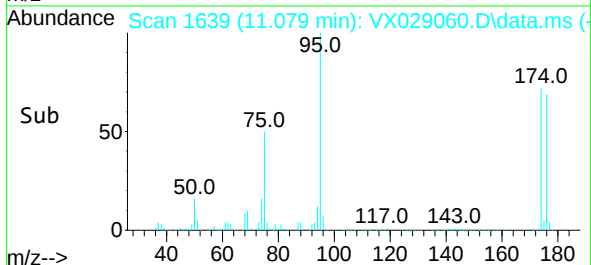
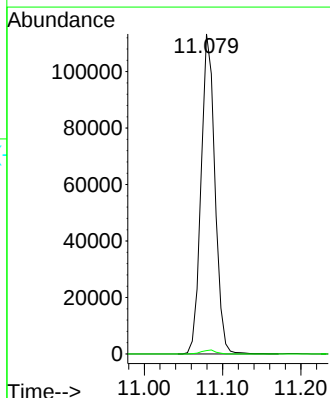
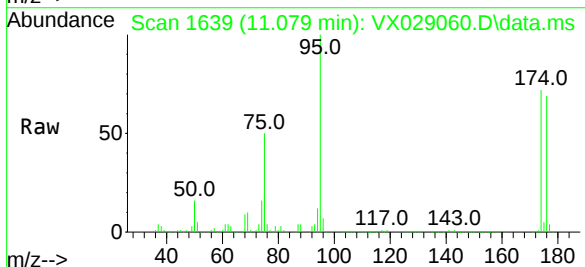
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#01

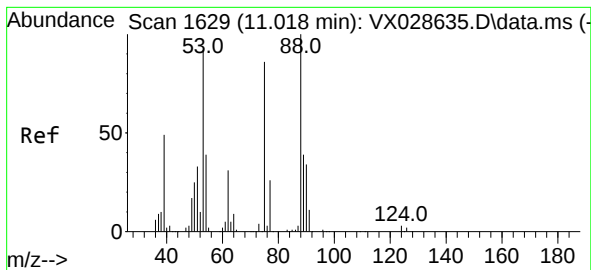
Tgt Ion:152 Resp: 272879
Ion Ratio Lower Upper
152 100
115 60.7 37.5 112.7
150 156.9 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029060.D
Acq: 28 May 2022 06:22

Tgt Ion: 75 Resp: 139562
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.978 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029060.D
 Acq: 28 May 2022 06:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106ZHE#01

Tgt Ion: 75 Resp: 139562
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

