

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028700.D
 Acq On : 14 May 2022 00:39
 Operator : JC/MD
 Sample : PB144781ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#01

Quant Time: May 16 02:30:06 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)

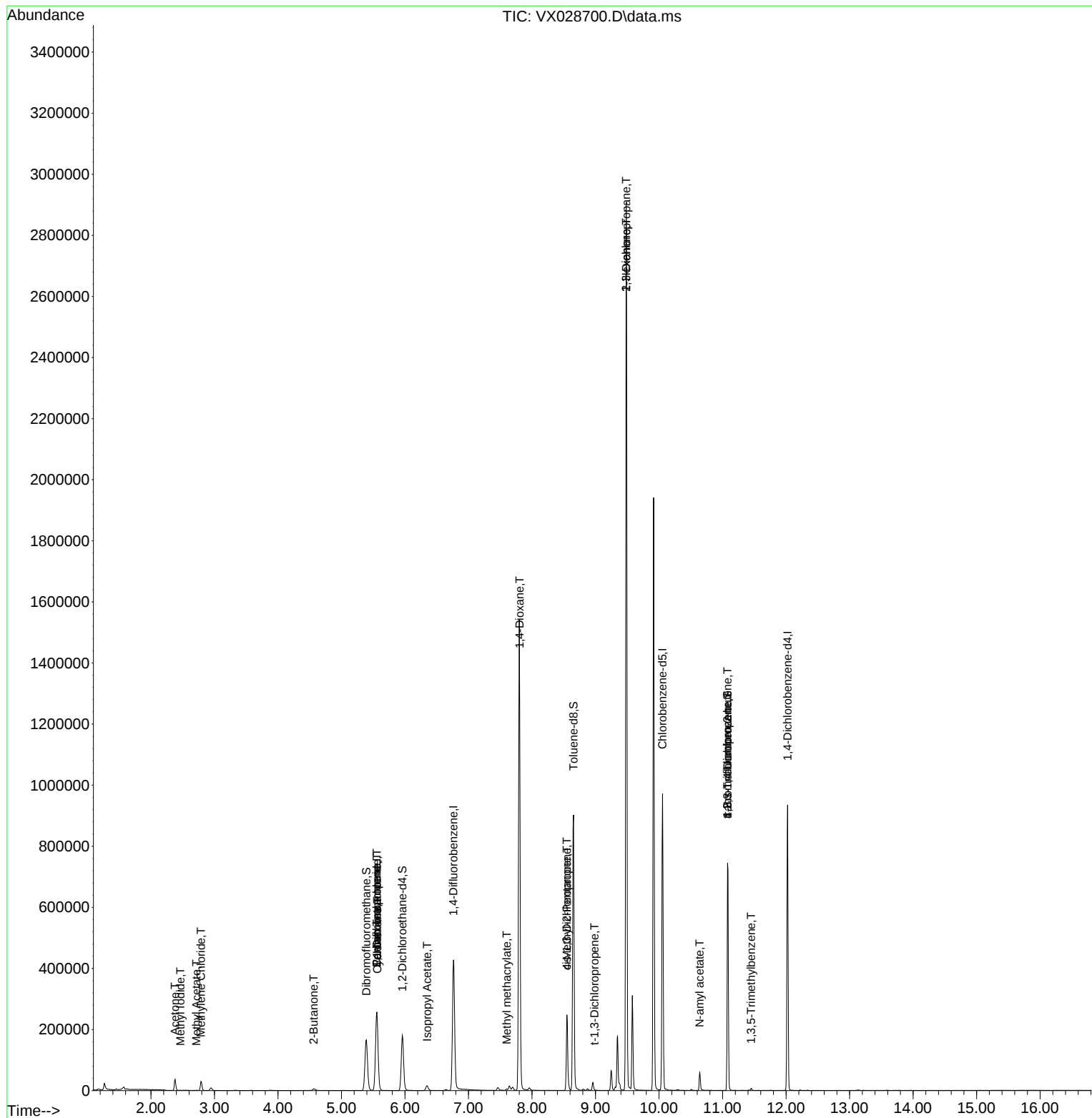
Internal Standards						
1) Pentafluorobenzene	5.556	168	232012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	430025	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	423267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168310	52.922	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.840%			
35) Dibromofluoromethane	5.391	113	141744	50.309	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.620%			
50) Toluene-d8	8.653	98	536007	50.460	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.920%			
62) 4-Bromofluorobenzene	11.079	95	192931	48.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.260%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	792	Below Cal		90
6) Chloroethane	1.685	64	378	Below Cal	#	43
10) Methyl Iodide	2.465	142	922	0.298	ug/l #	84
11) Tert butyl alcohol	2.941	59	5206	Below Cal	#	72
16) Acetone	2.380	43	38549	28.242	ug/l	92
18) Methyl Acetate	2.715	43	1557	0.455	ug/l #	70
20) Methylene Chloride	2.788	84	12348	4.312	ug/l #	91
25) 2-Butanone	4.562	43	8424	3.932	ug/l #	82
31) Cyclohexane	5.562	56	5539	1.255	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	19948	4.714	ug/l #	49
38) Carbon Tetrachloride	5.556	117	24739	5.809	ug/l #	16
43) Isopropyl Acetate	6.348	43	21923	3.170	ug/l	94
48) Methyl methacrylate	7.604	41	6507	1.948	ug/l #	7
49) 1,4-Dioxane	7.806	88	254	3.044	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84645	18.584	ug/l #	44
53) t-1,3-Dichloropropene	8.982	75	103	1.661	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39572	8.359	ug/l #	75
57) 1,3-Dichloropropane	9.482	76	26213	4.872	ug/l #	43
59) 2-Hexanone	9.482	43	331175	93.586	ug/l #	43
74) N-amyl acetate	10.640	43	14712	2.678	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	103428	23.966	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2847	0.244	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	103428	69.831	ug/l #	15

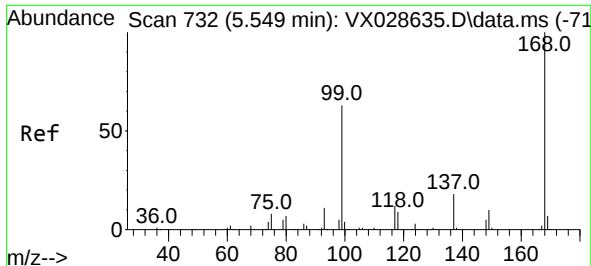
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

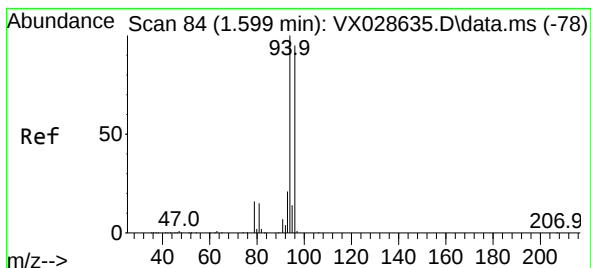
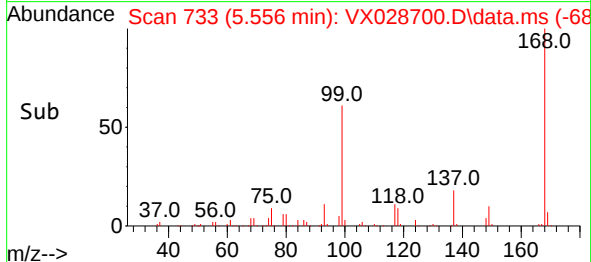
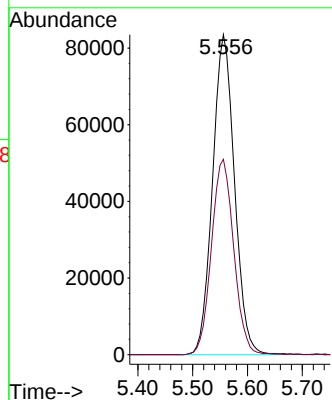
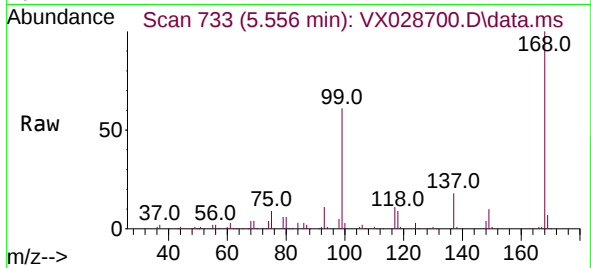




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

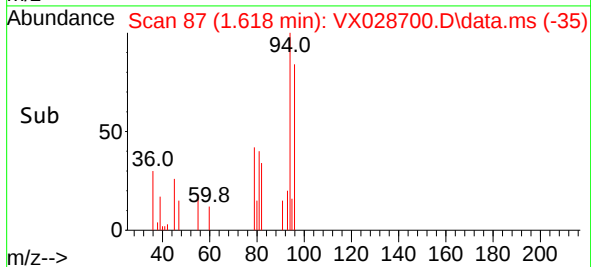
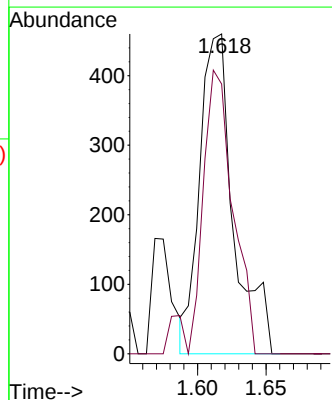
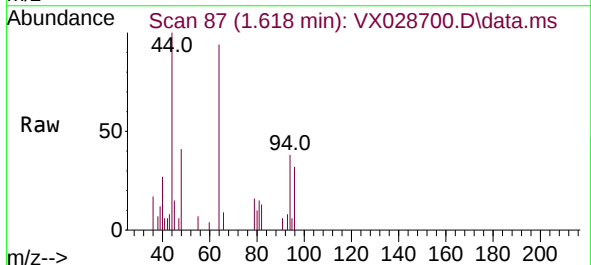
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

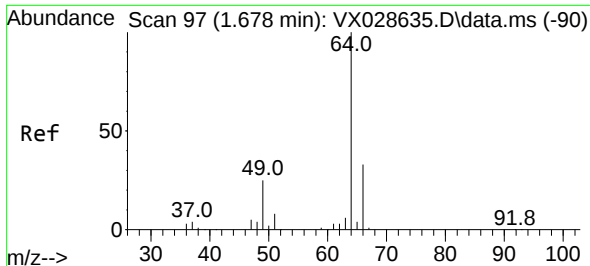
Tgt Ion:168 Resp: 232012
Ion Ratio Lower Upper
168 100
99 61.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

Tgt Ion: 94 Resp: 792
Ion Ratio Lower Upper
94 100
96 84.3 75.3 112.9

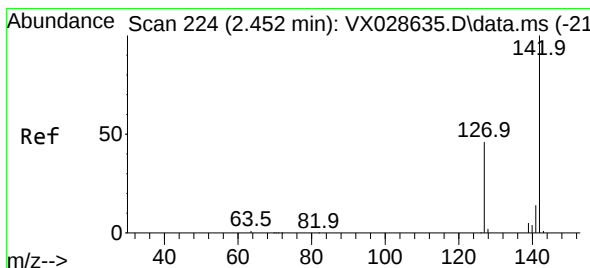
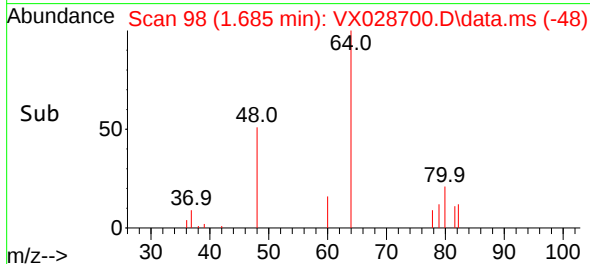
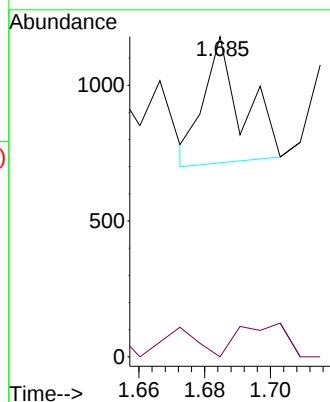
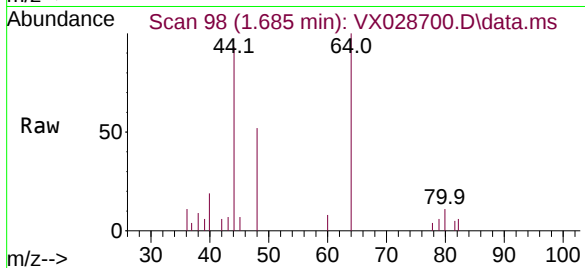




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

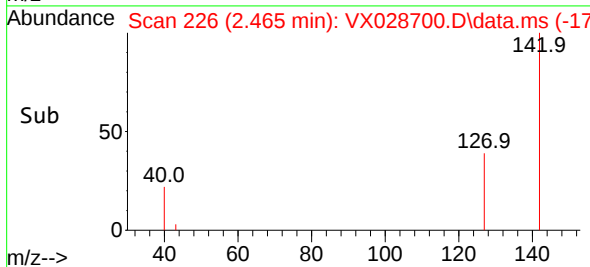
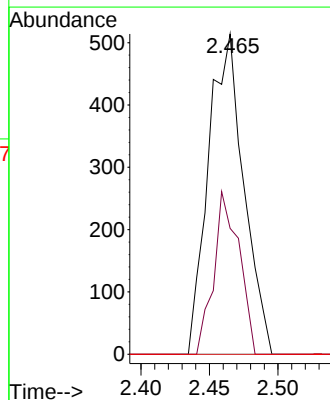
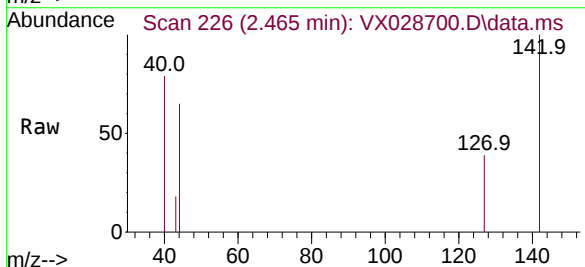
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

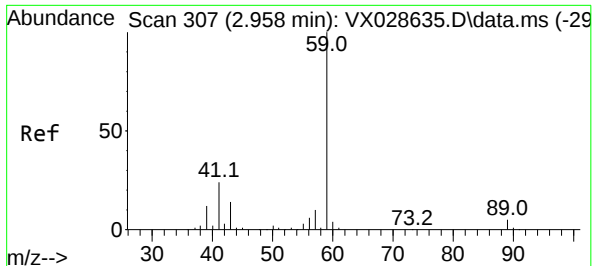
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.298 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.013 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

Tgt Ion: 142 Resp: 922
Ion Ratio Lower Upper
142 100
127 36.2 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 30

Delta R.T. -0.017 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

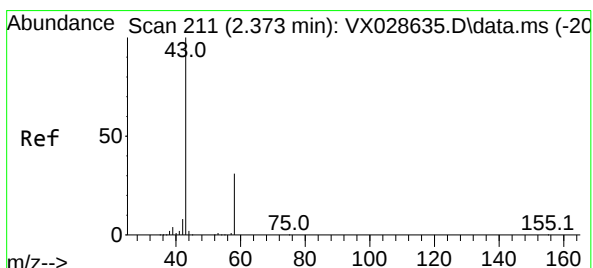
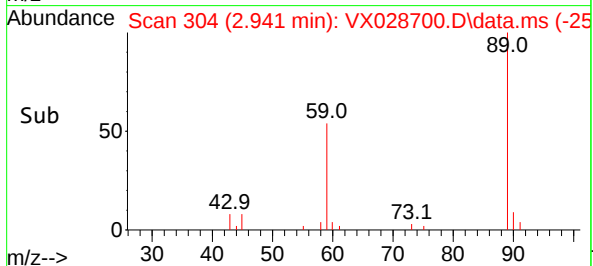
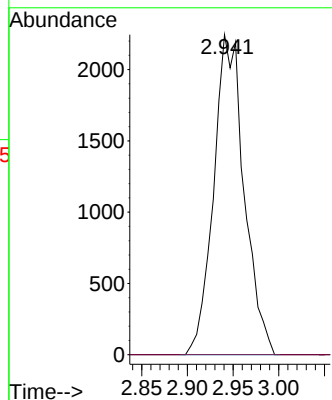
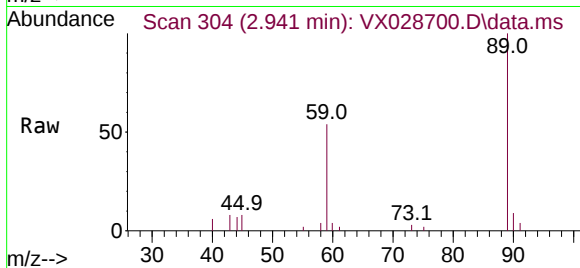
PB144781ZHE#01

Tgt Ion: 59 Resp: 5206

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 28.242 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028700.D

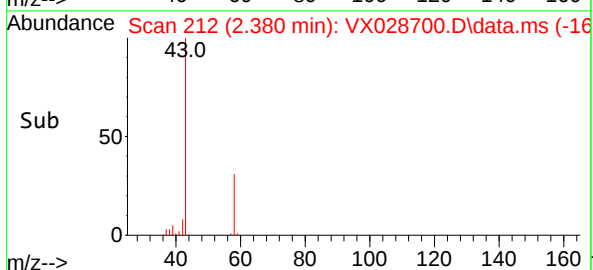
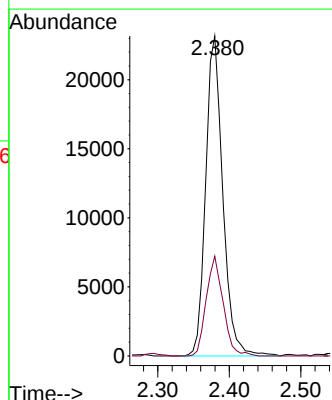
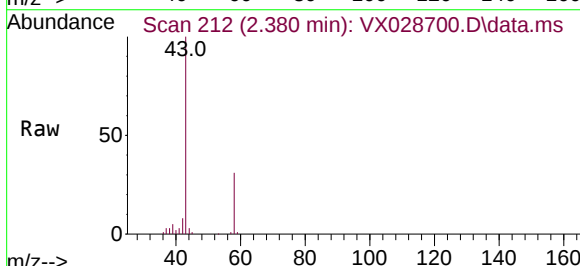
Acq: 14 May 2022 00:39

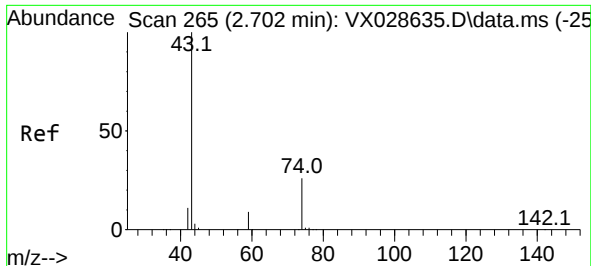
Tgt Ion: 43 Resp: 38549

Ion Ratio Lower Upper

43 100

58 31.2 28.8 43.2

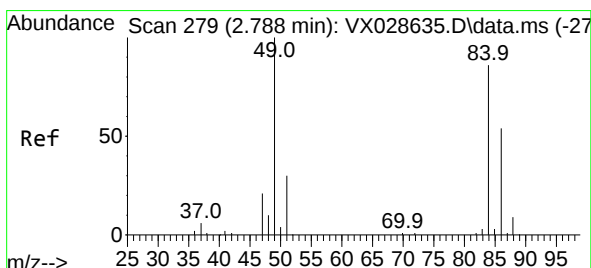
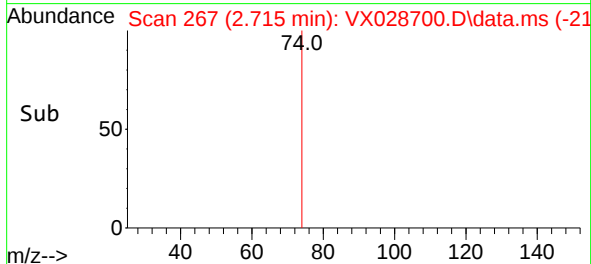
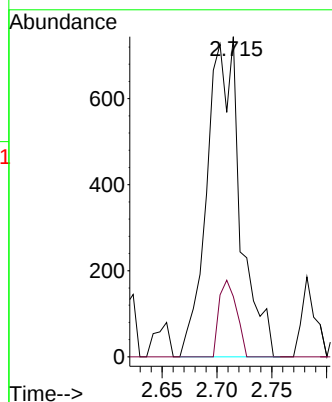
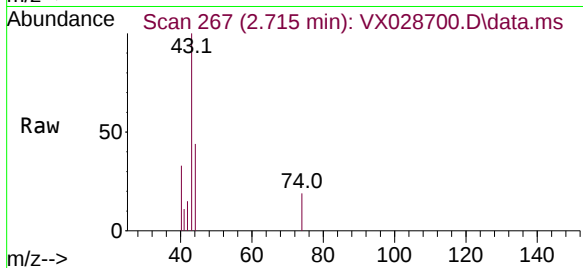




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.013 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

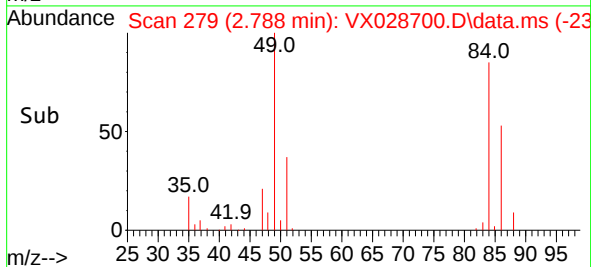
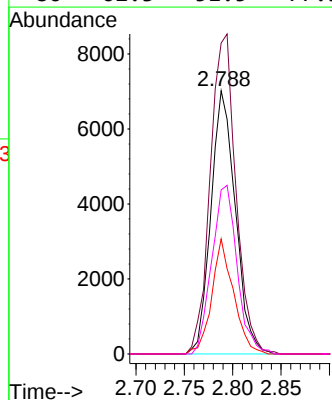
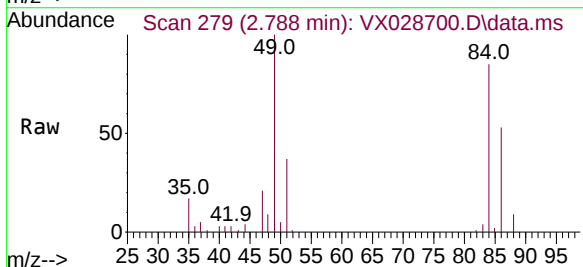
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

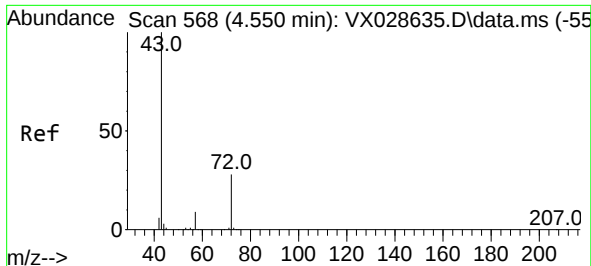
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 12.7 22.8 34.2#



#20
Methylene Chloride
Concen: 4.312 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

Tgt Ion: 84 Resp: 12348
Ion Ratio Lower Upper
84 100
49 118.1 85.5 128.3
51 43.7 26.6 39.8#
86 62.3 51.5 77.3





#25

2-Butanone

Concen: 3.932 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

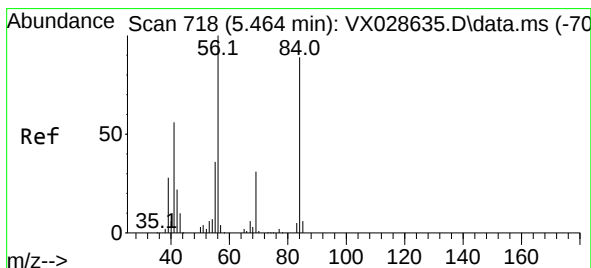
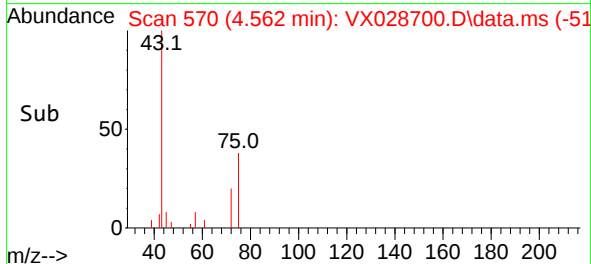
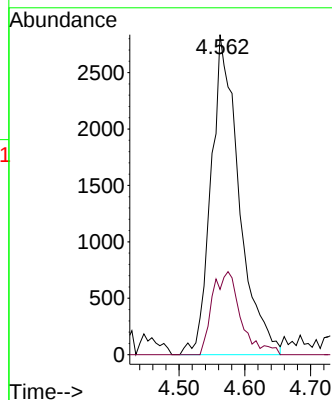
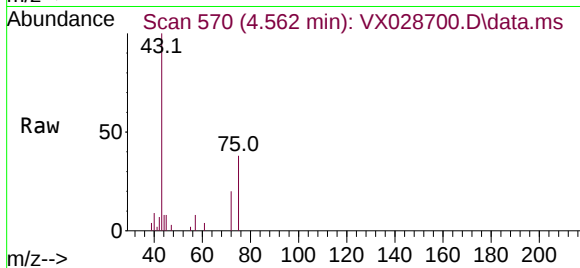
PB144781ZHE#01

Tgt Ion: 43 Resp: 8424

Ion Ratio Lower Upper

43 100

72 20.4 24.4 36.6#



#31

Cyclohexane

Concen: 1.255 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.098 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

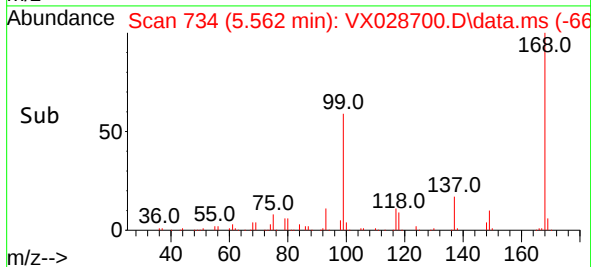
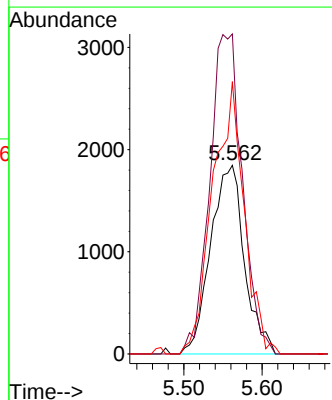
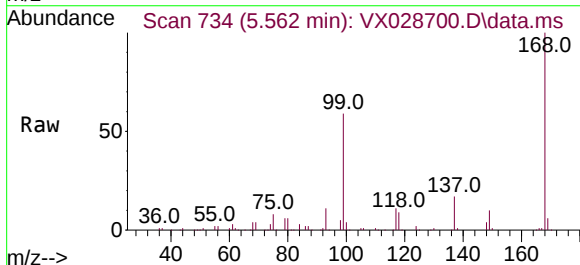
Tgt Ion: 56 Resp: 5539

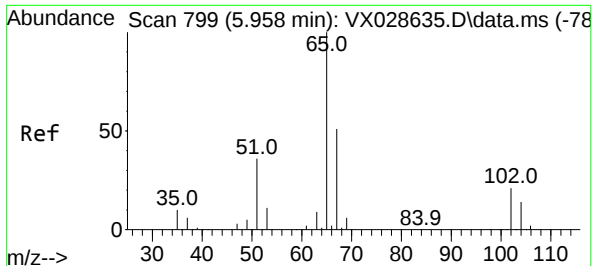
Ion Ratio Lower Upper

56 100

69 169.6 26.7 40.1#

84 144.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 52.922 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

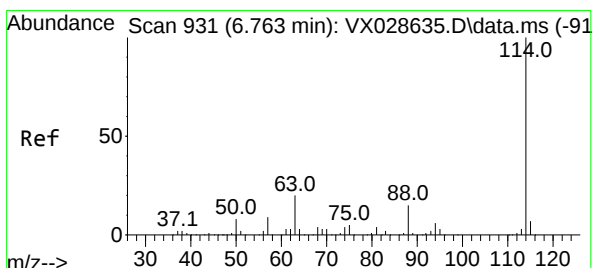
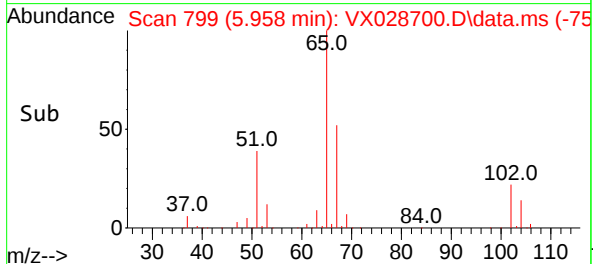
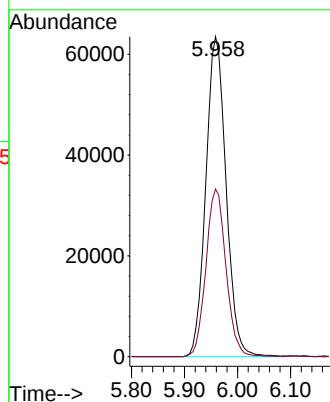
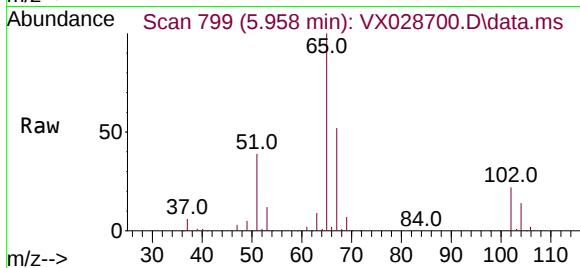
PB144781ZHE#01

Tgt Ion: 65 Resp: 168310

Ion Ratio Lower Upper

65 100

67 51.9 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: VX028700.D

Acq: 14 May 2022 00:39

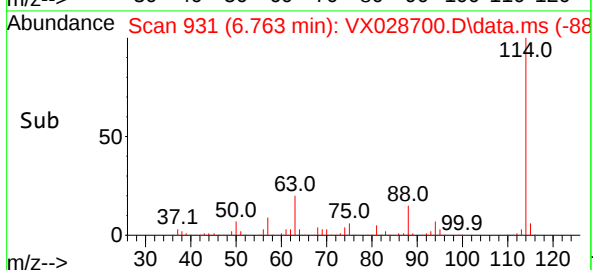
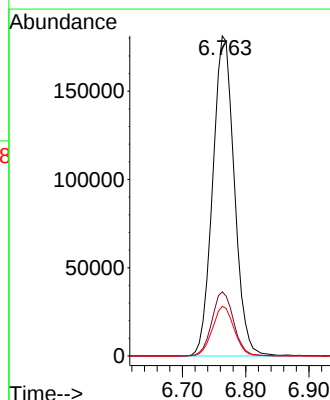
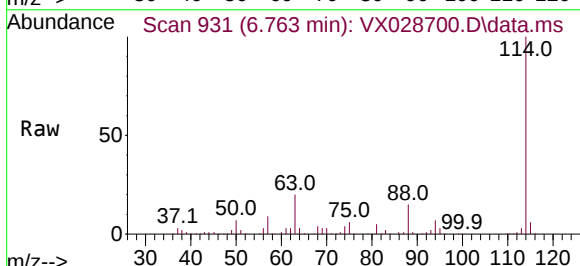
Tgt Ion: 114 Resp: 430025

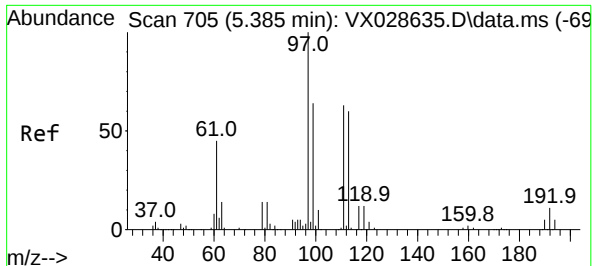
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.8

88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.309 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028700.D

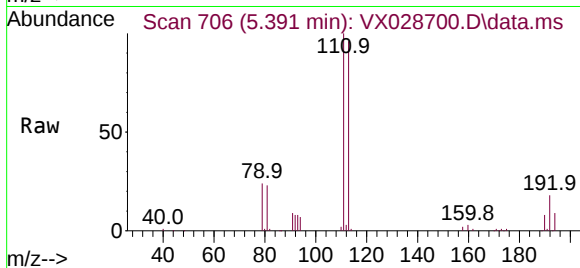
Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#01



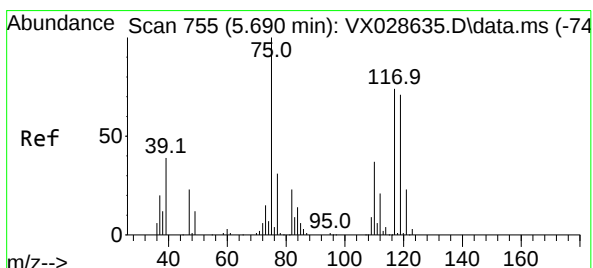
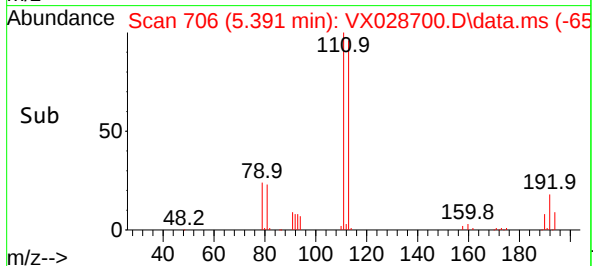
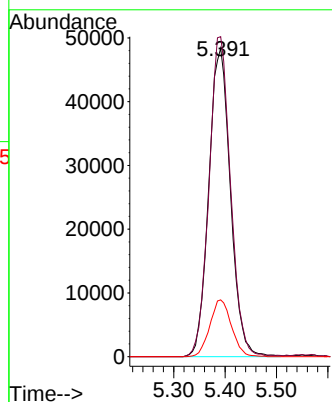
Tgt Ion:113 Resp: 141744

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 18.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

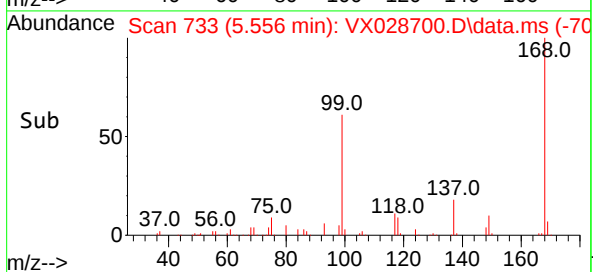
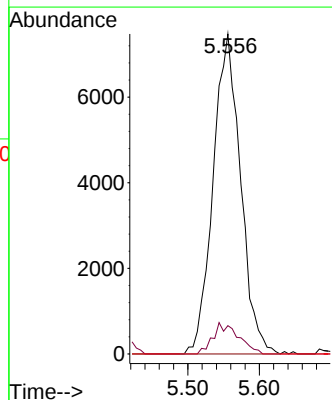
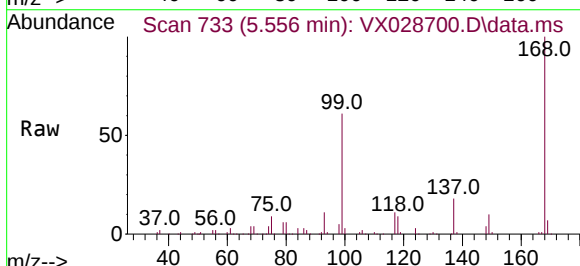
Tgt Ion: 75 Resp: 19948

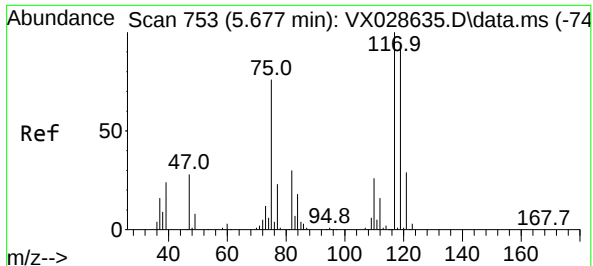
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

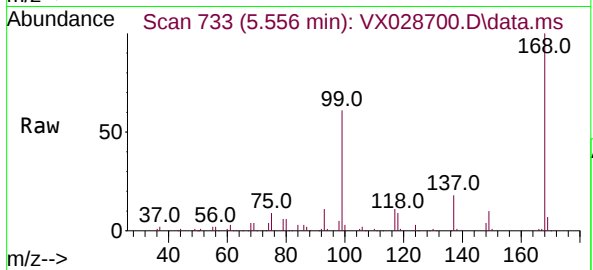
77 0.0 24.8 37.2#



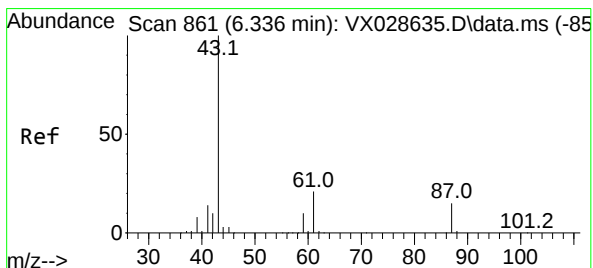
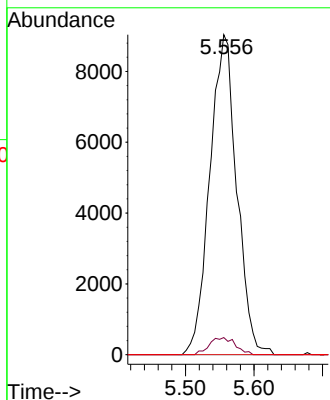
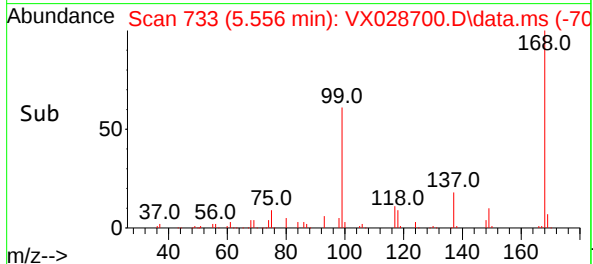


#38
Carbon Tetrachloride
Concen: 5.809 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

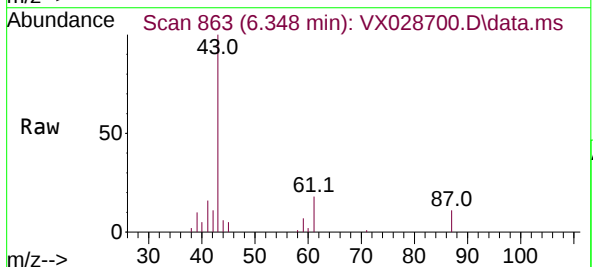
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01



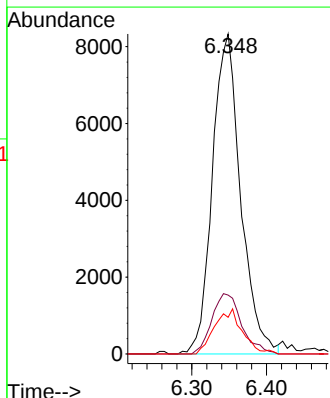
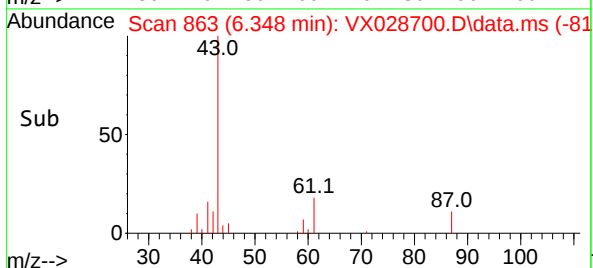
Tgt Ion:117 Resp: 24739
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#

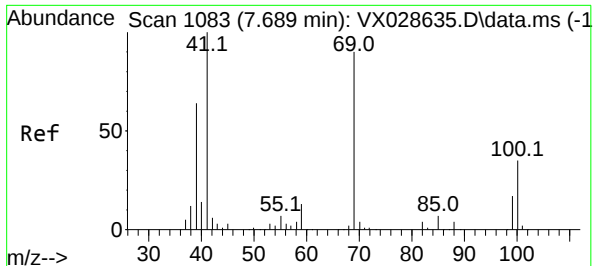


#43
Isopropyl Acetate
Concen: 3.170 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39



Tgt Ion: 43 Resp: 21923
Ion Ratio Lower Upper
43 100
61 19.8 18.5 27.7
87 13.9 13.0 19.6





#48

Methyl methacrylate

Concen: 1.948 ug/l

RT: 7.604 min Scan# 1102

Delta R.T. -0.085 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#01

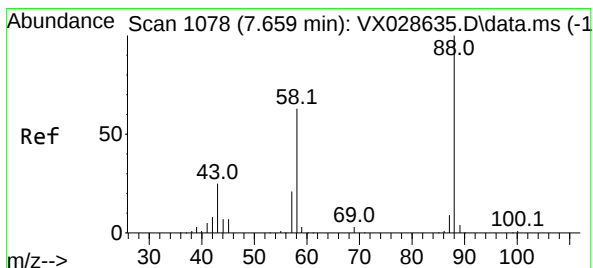
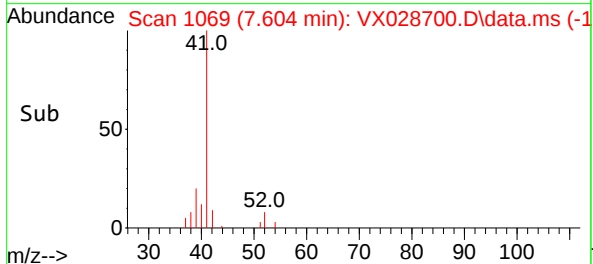
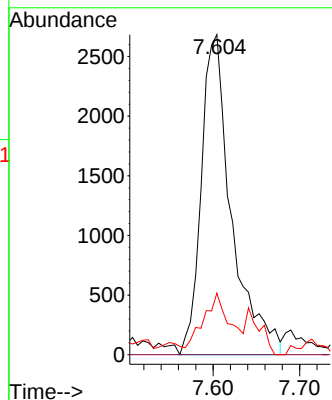
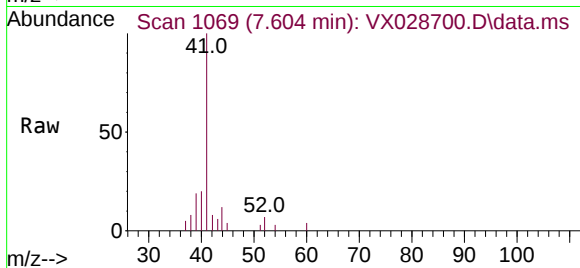
Tgt Ion: 41 Resp: 6507

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: 3.044 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.147 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

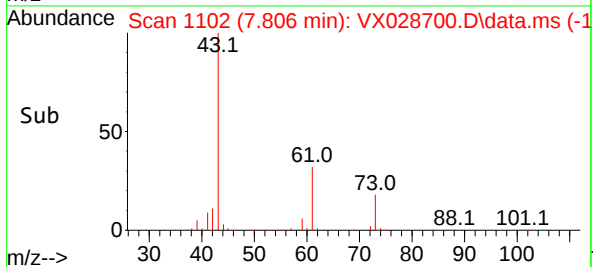
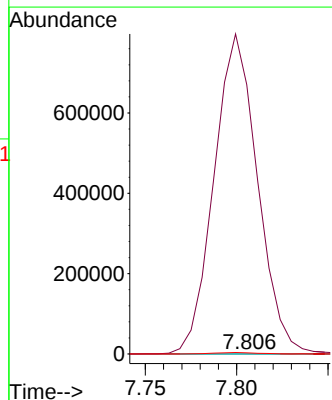
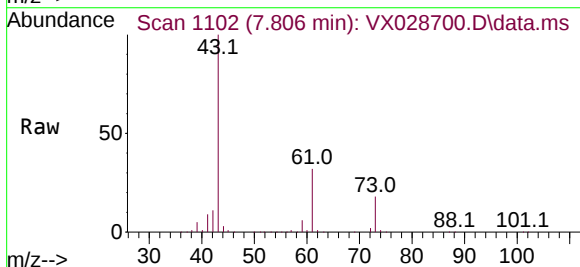
Tgt Ion: 88 Resp: 254

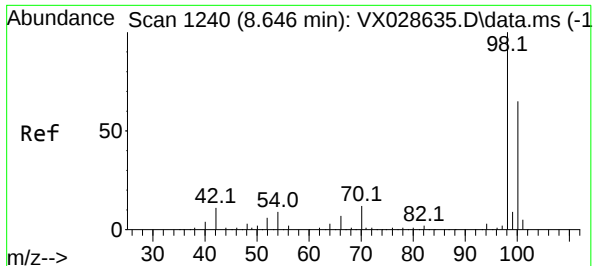
Ion Ratio Lower Upper

88 100

43 523477.6 21.9 32.9#

58 2374.4 53.7 80.5#

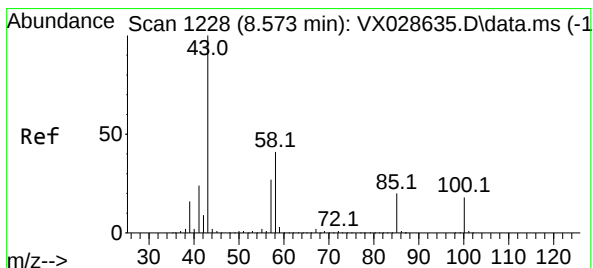
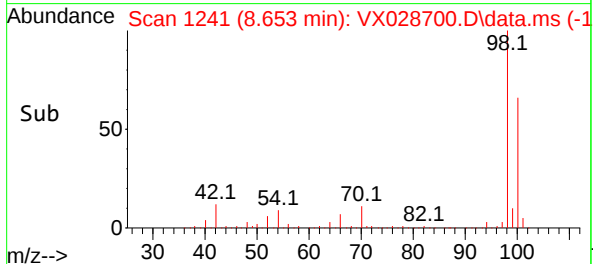
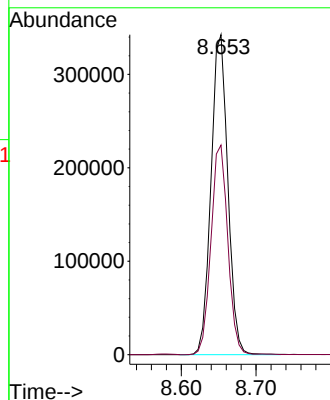
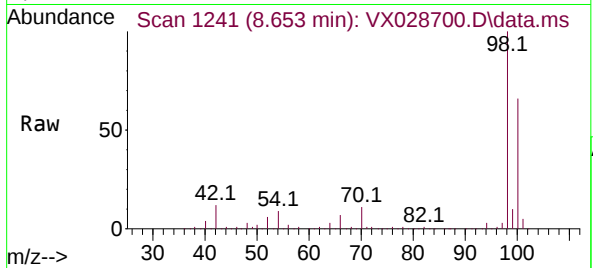




#50
Toluene-d8
Concen: 50.460 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

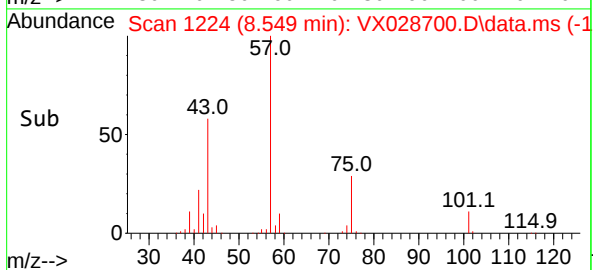
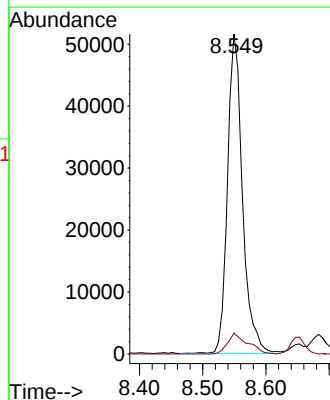
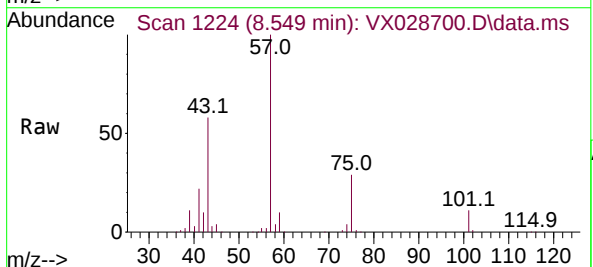
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

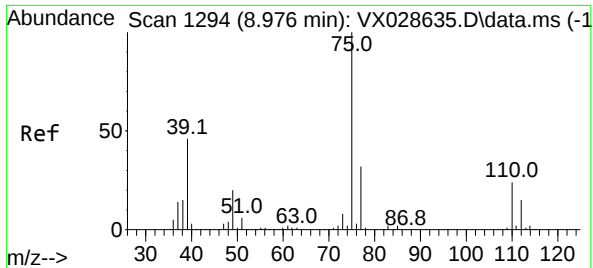
Tgt Ion: 98 Resp: 536007
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.584 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

Tgt Ion: 43 Resp: 84645
Ion Ratio Lower Upper
43 100
58 8.7 36.1 54.1#

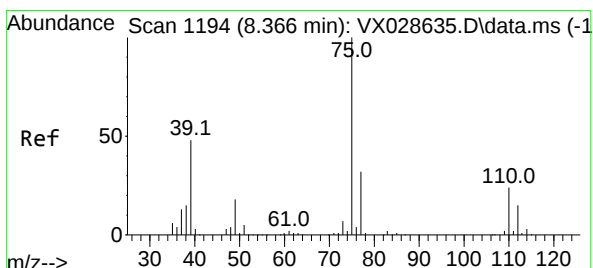
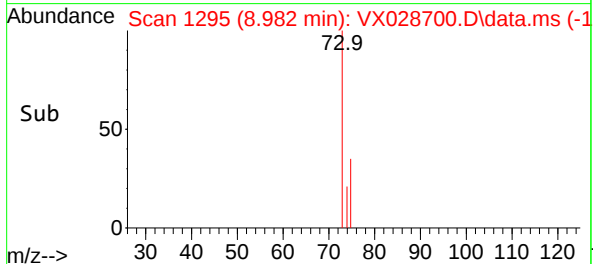
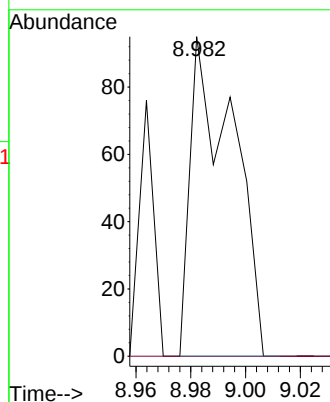
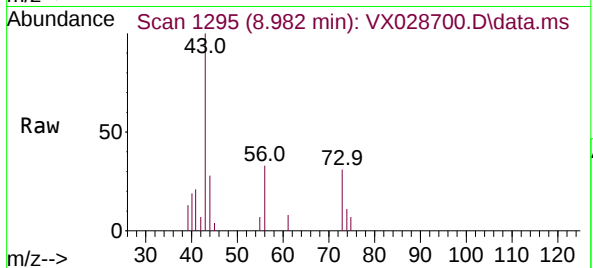




#53
 t-1,3-Dichloropropene
 Concen: 1.661 ug/l
 RT: 8.982 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX028700.D
 Acq: 14 May 2022 00:39

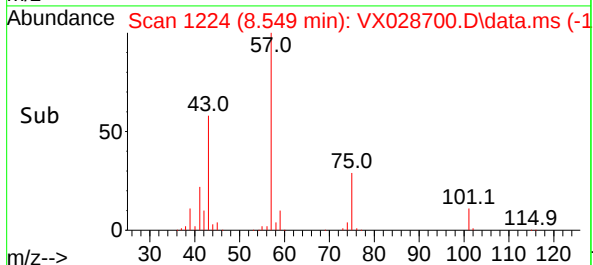
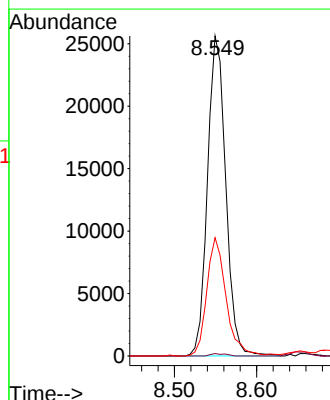
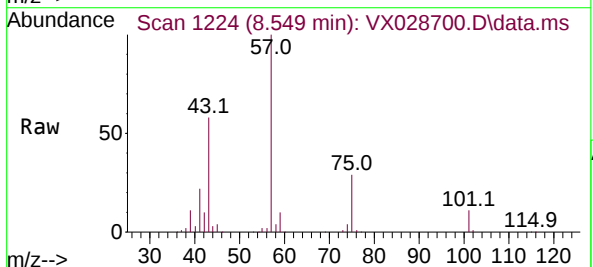
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#01

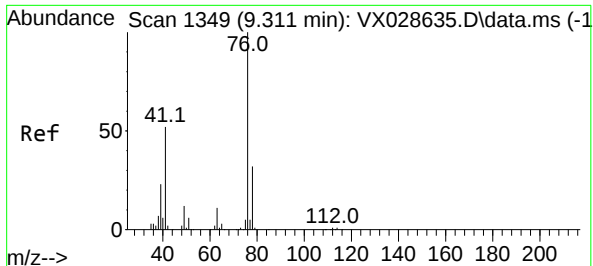
Tgt Ion: 75 Resp: 103
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.359 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX028700.D
 Acq: 14 May 2022 00:39

Tgt Ion: 75 Resp: 39572
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.8 37.2#
 39 37.0 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.872 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

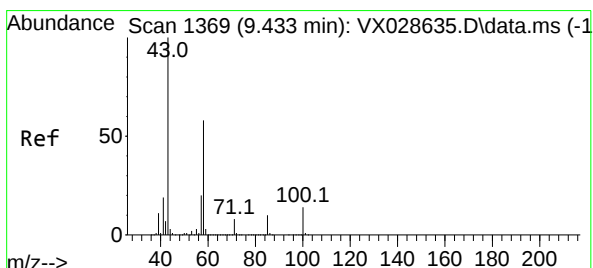
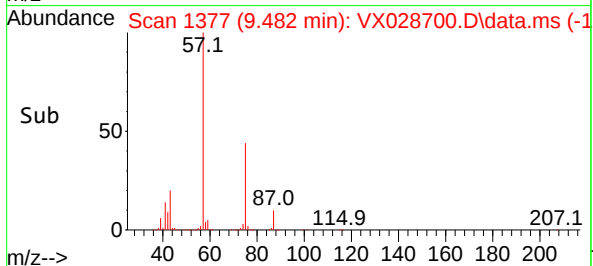
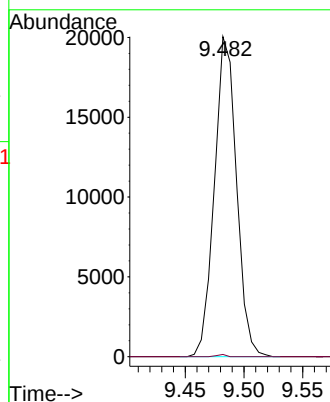
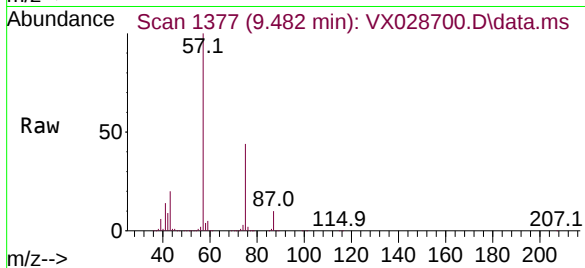
PB144781ZHE#01

Tgt Ion: 76 Resp: 26213

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 93.586 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028700.D

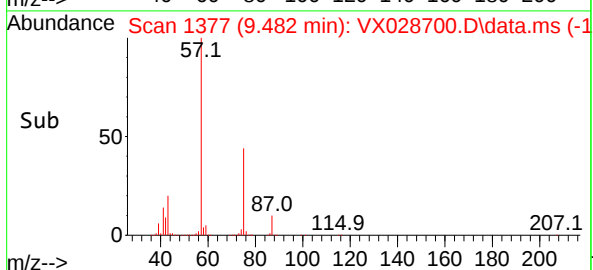
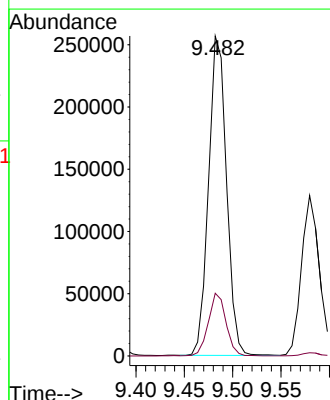
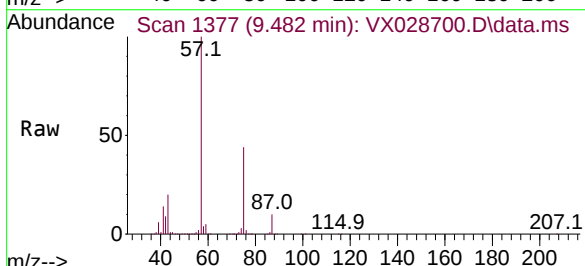
Acq: 14 May 2022 00:39

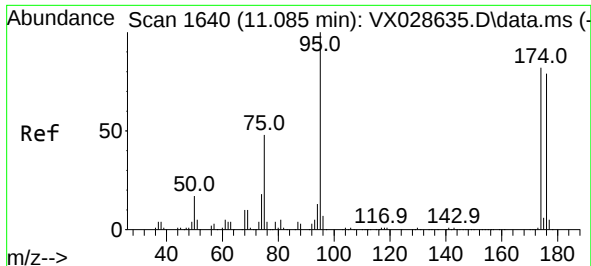
Tgt Ion: 43 Resp: 331175

Ion Ratio Lower Upper

43 100

58 19.6 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 48.628 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028700.D

Acq: 14 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#01

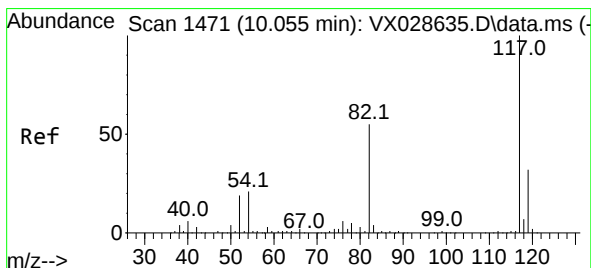
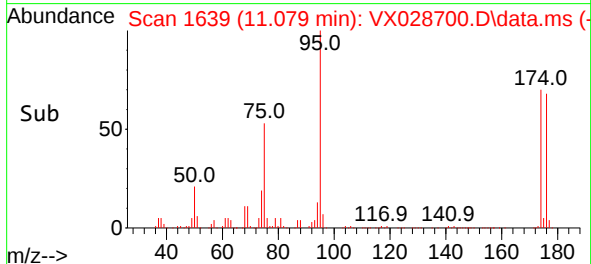
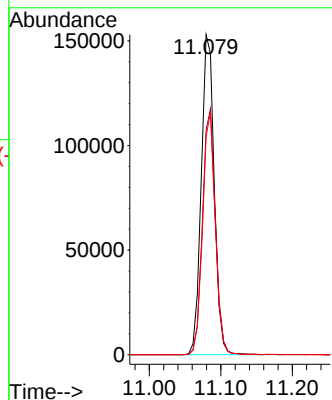
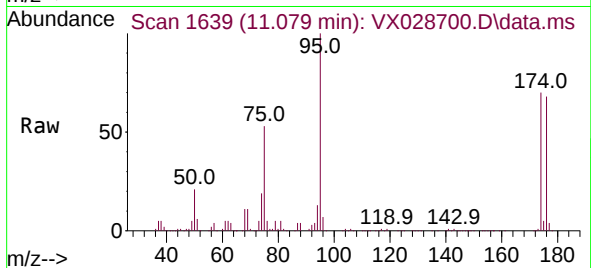
Tgt Ion: 95 Resp: 192931

Ion Ratio Lower Upper

95 100

174 76.3 0.0 163.0

176 74.0 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: VX028700.D

Acq: 14 May 2022 00:39

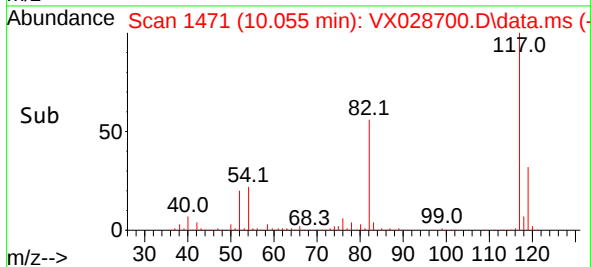
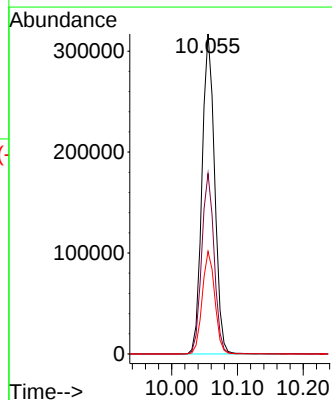
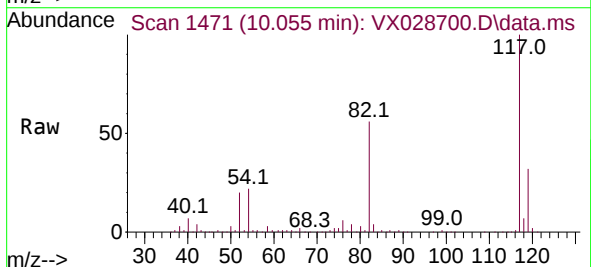
Tgt Ion: 117 Resp: 423267

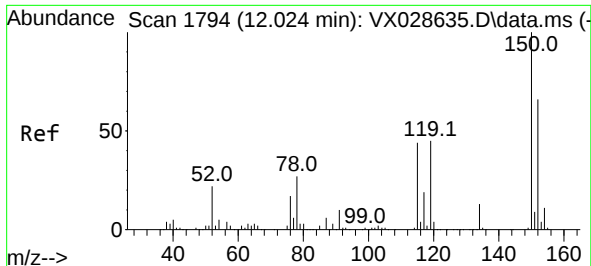
Ion Ratio Lower Upper

117 100

82 56.4 41.8 62.8

119 32.0 24.8 37.2

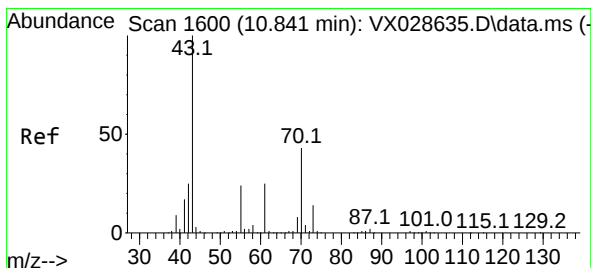
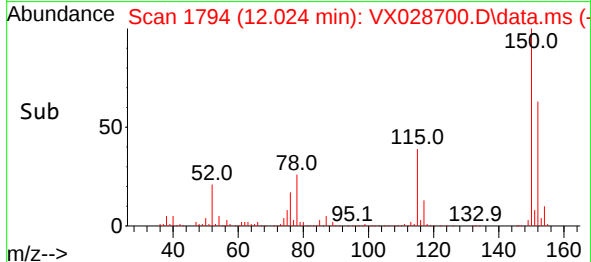
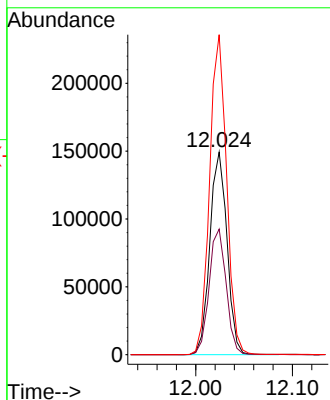
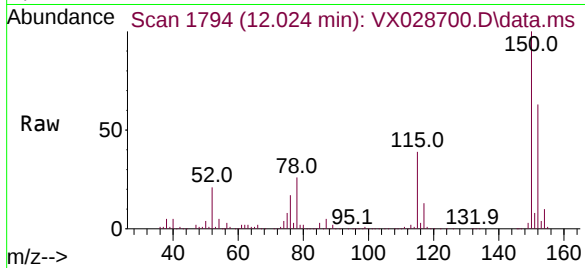




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

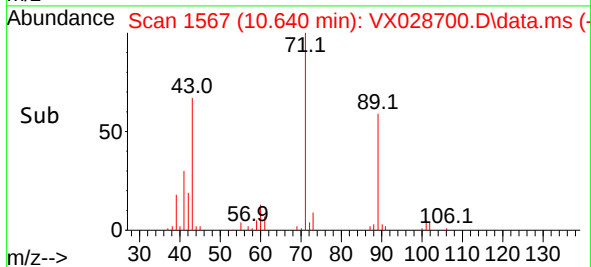
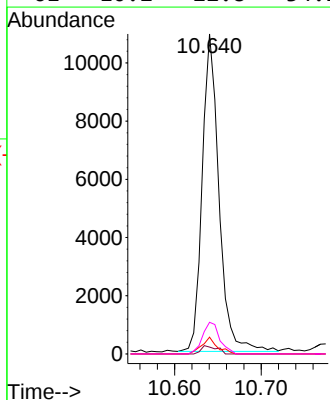
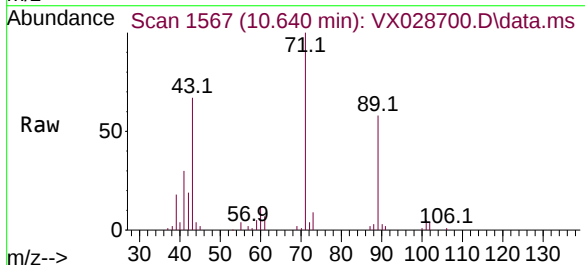
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

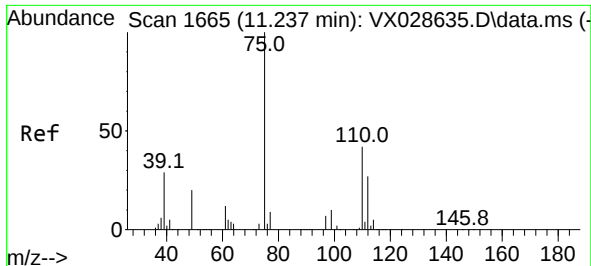
Tgt Ion:152 Resp: 184281
Ion Ratio Lower Upper
152 100
115 61.8 37.5 112.7
150 156.0 0.0 338.2



#74
N-ethyl acetate
Concen: 2.678 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

Tgt Ion: 43 Resp: 14712
Ion Ratio Lower Upper
43 100
70 2.4 42.5 63.7#
55 4.8 23.1 34.7#
61 10.2 22.8 34.2#

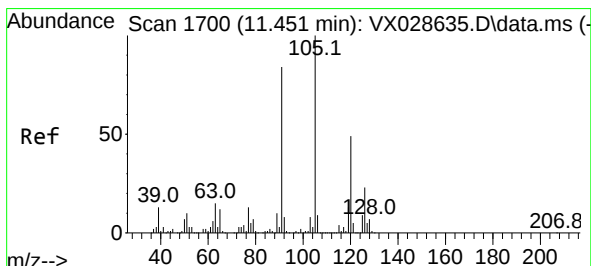
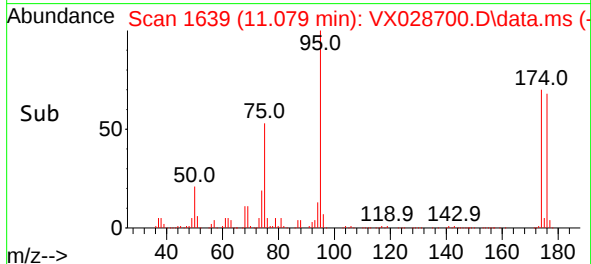
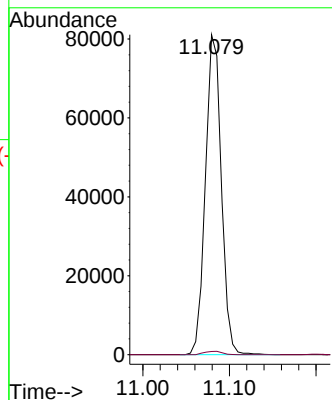
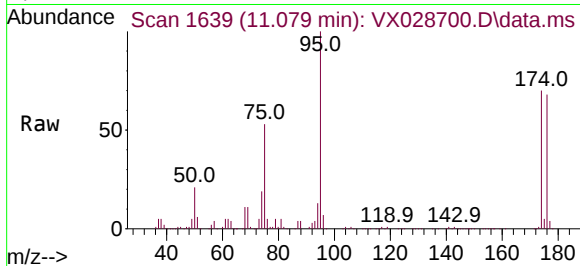




#76
1,2,3-Trichloropropane
Concen: 23.966 ug/l
RT: 11.079 min Scan# 1665
Delta R.T. -0.158 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

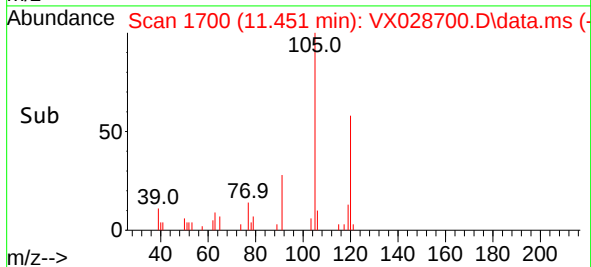
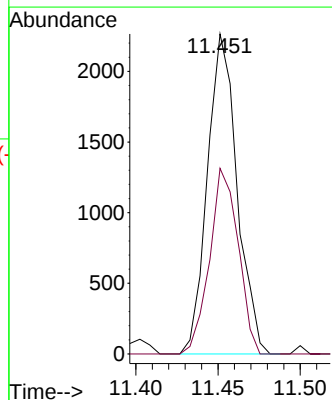
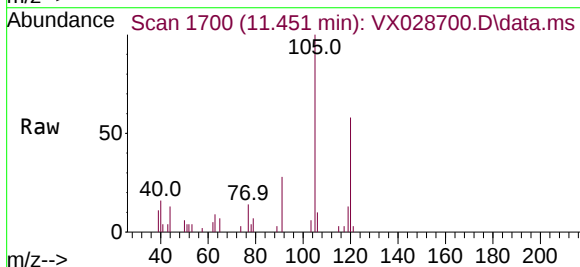
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#01

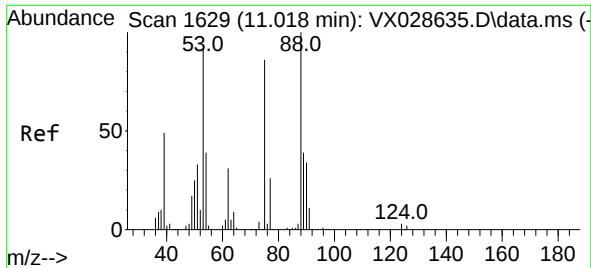
Tgt Ion: 75 Resp: 103428
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.244 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028700.D
Acq: 14 May 2022 00:39

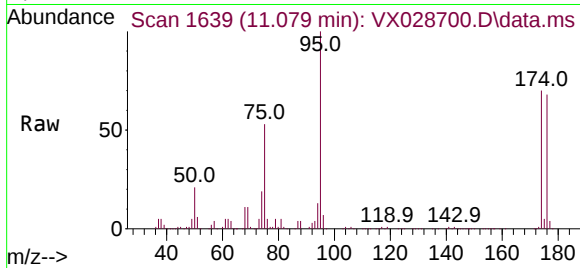
Tgt Ion:105 Resp: 2847
Ion Ratio Lower Upper
105 100
120 55.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.831 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028700.D
 Acq: 14 May 2022 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#01



Tgt Ion: 75 Resp: 103428
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

