

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028704.D
 Acq On : 14 May 2022 02:12
 Operator : JC/MD
 Sample : PB144781ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#05

Quant Time: May 16 02:31:27 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

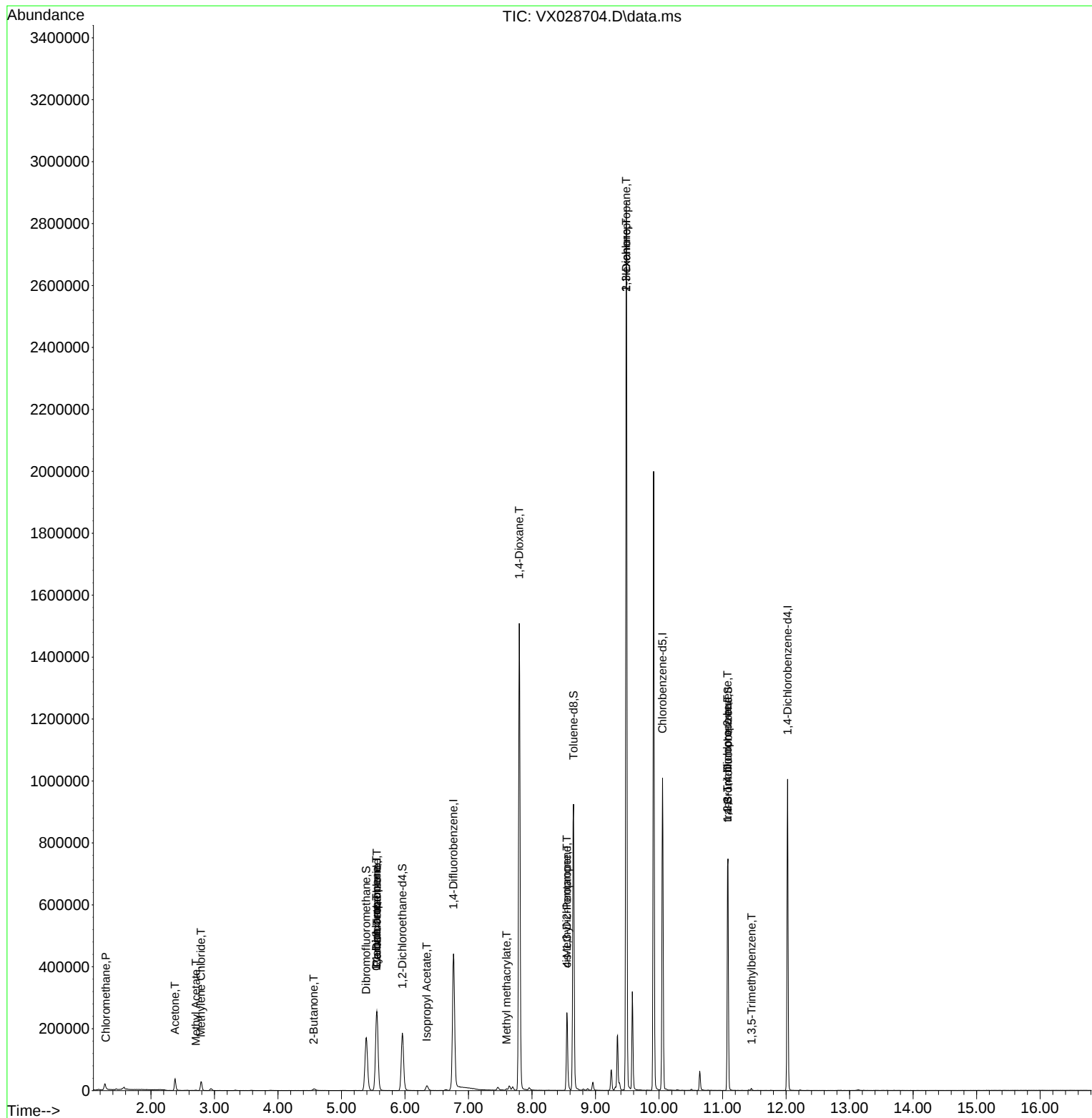
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	234286	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	441163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	431935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172386	53.677	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.360%	
35) Dibromofluoromethane	5.385	113	146087	50.542	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.080%	
50) Toluene-d8	8.653	98	545151	50.025	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.060%	
62) 4-Bromofluorobenzene	11.085	95	197874	48.614	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.220%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	910	0.315	ug/l	# 42
5) Bromomethane	1.617	94	683	Below Cal		84
6) Chloroethane	1.672	64	389	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	3386	Below Cal	#	72
16) Acetone	2.379	43	39670	28.782	ug/l	91
18) Methyl Acetate	2.709	43	1894	0.549	ug/l	# 77
20) Methylene Chloride	2.788	84	12693	4.390	ug/l	# 86
25) 2-Butanone	4.562	43	8223	3.801	ug/l	# 85
31) Cyclohexane	5.549	56	5811	1.304	ug/l	# 27
36) 1,1-Dichloropropene	5.549	75	19804	4.562	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	25273	5.785	ug/l	# 16
43) Isopropyl Acetate	6.342	43	21277	2.999	ug/l	# 92
48) Methyl methacrylate	7.598	41	6393	1.866	ug/l	# 7
49) 1,4-Dioxane	7.799	88	225	2.628	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83809	17.936	ug/l	# 45
54) cis-1,3-Dichloropropene	8.549	75	39375	8.108	ug/l	# 74
57) 1,3-Dichloropropane	9.482	76	26048	4.719	ug/l	# 43
59) 2-Hexanone	9.482	43	328056	90.364	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	105626	23.454	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	2812	0.231	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	105626	68.424	ug/l	# 15

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

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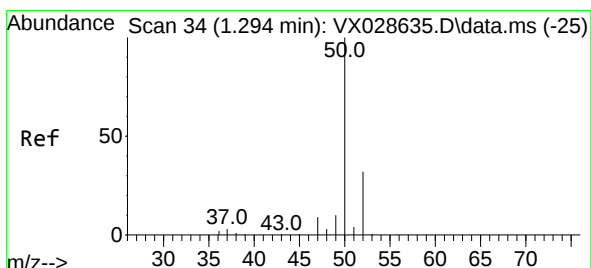
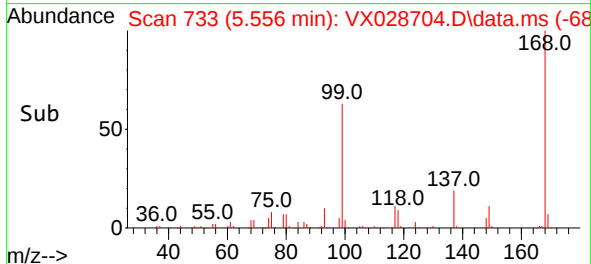
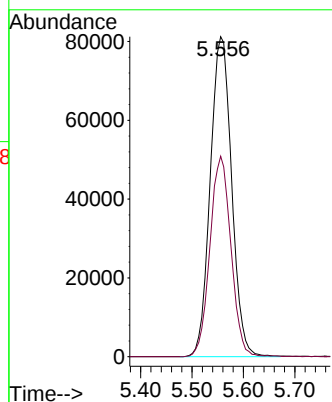
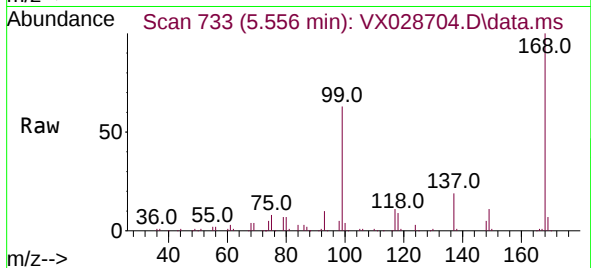




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

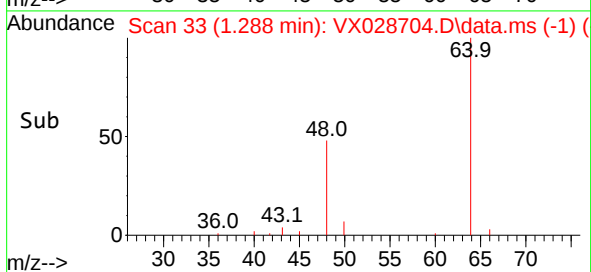
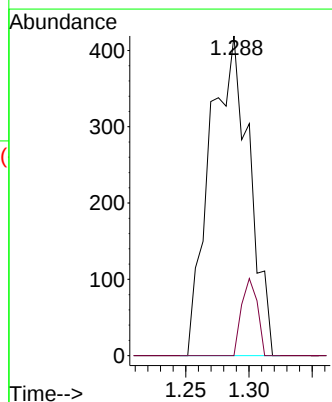
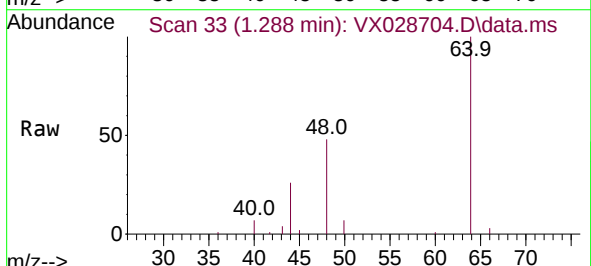
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

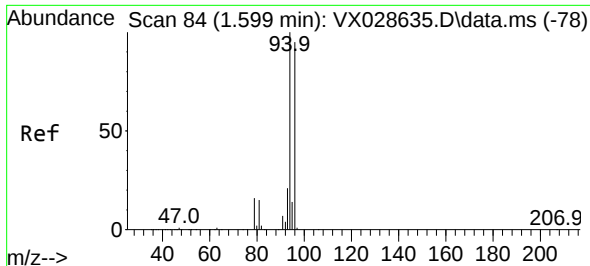
Tgt Ion:168 Resp: 234286
Ion Ratio Lower Upper
168 100
99 62.6 41.7 62.5#



#3
Chloromethane
Concen: 0.315 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 50 Resp: 910
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

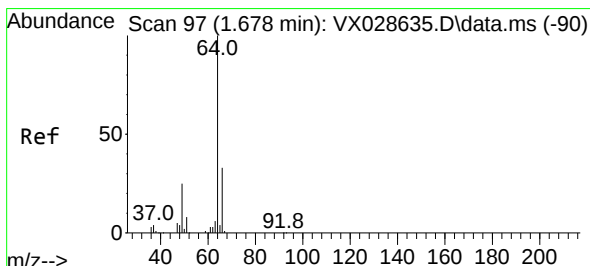
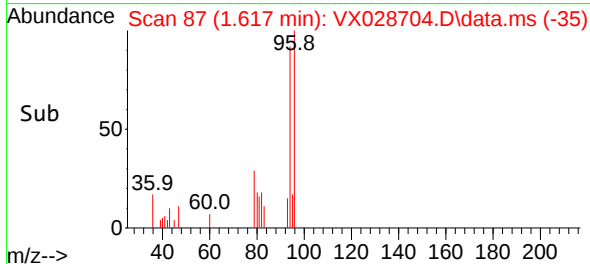
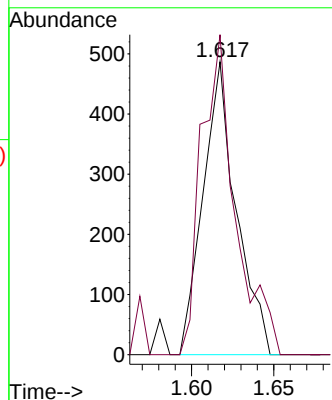
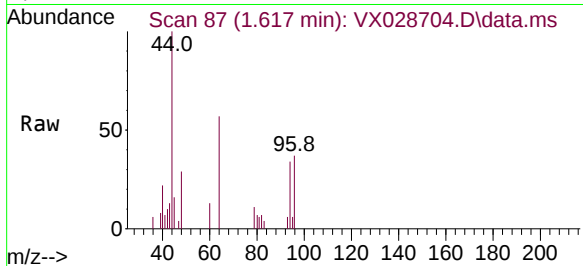




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

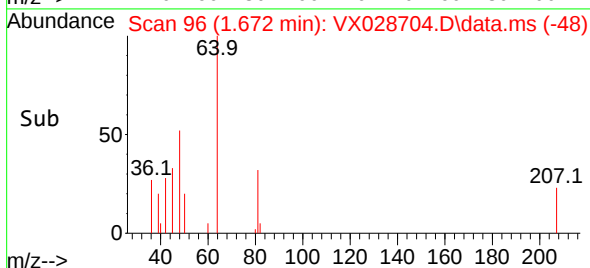
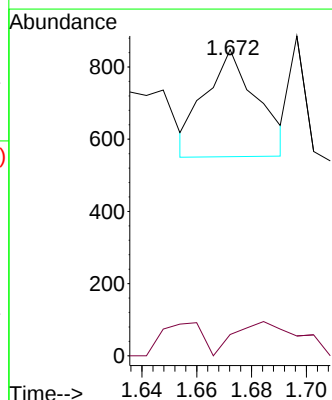
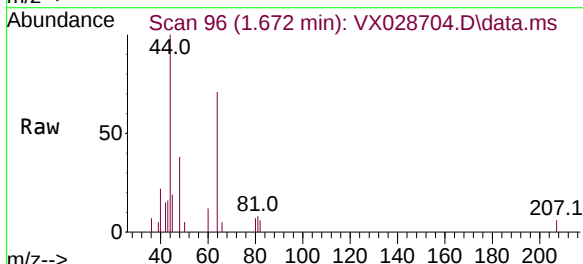
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

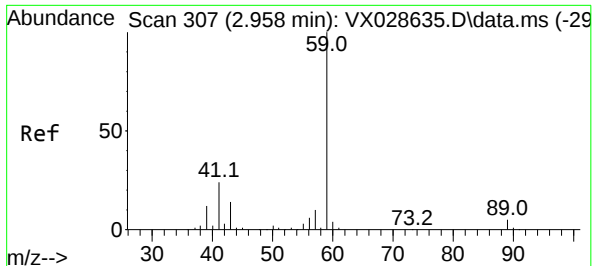
Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 109.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 64 Resp: 389
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX028704.D

Acq: 14 May 2022 02:12

Instrument :

MSVOA_X

ClientSampleId :

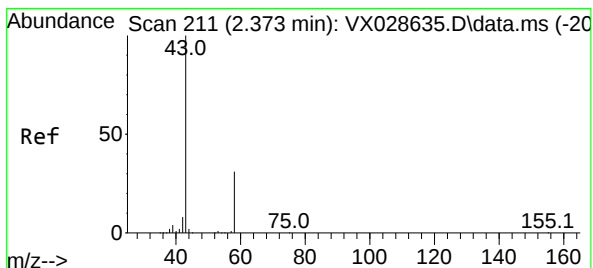
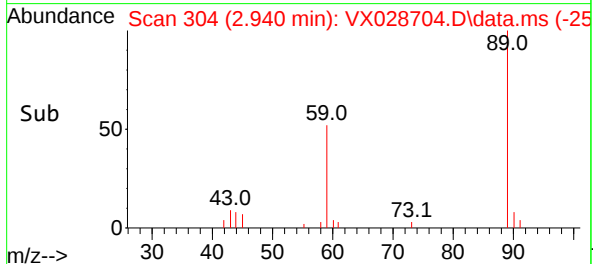
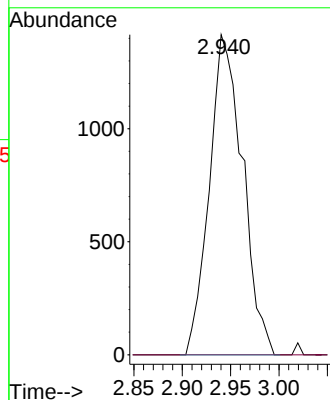
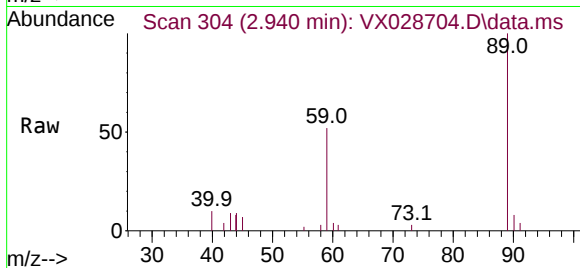
PB144781ZHE#05

Tgt Ion: 59 Resp: 3386

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 28.782 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX028704.D

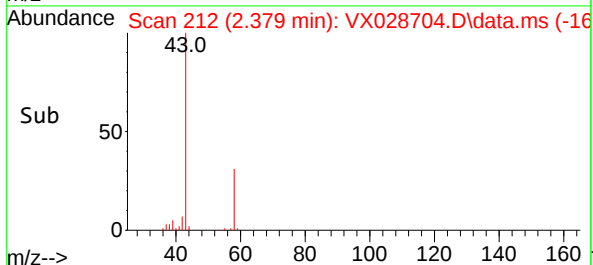
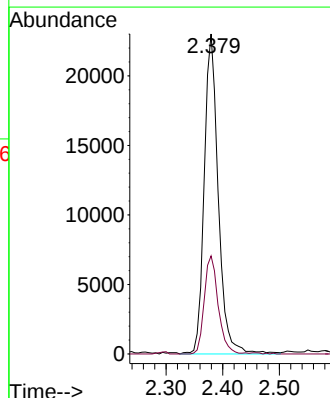
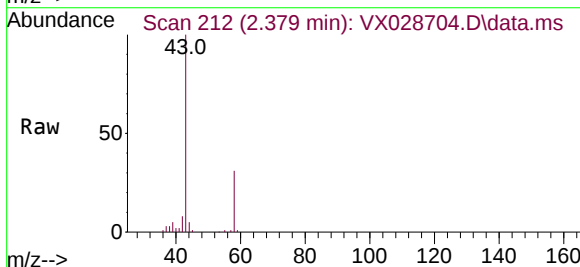
Acq: 14 May 2022 02:12

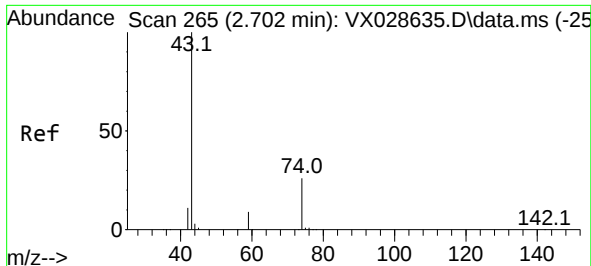
Tgt Ion: 43 Resp: 39670

Ion Ratio Lower Upper

43 100

58 30.6 28.8 43.2

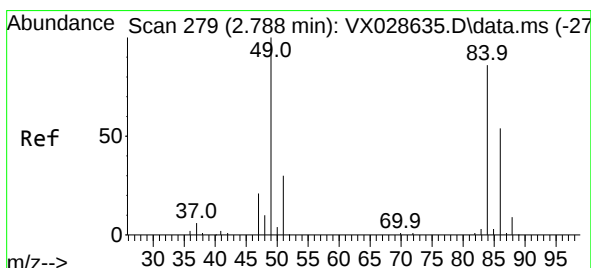
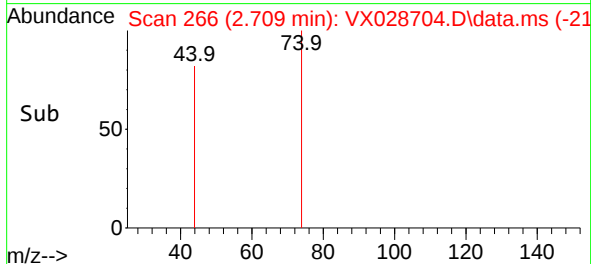
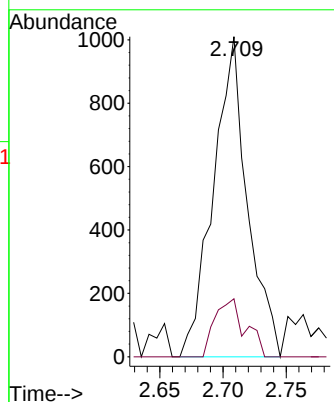
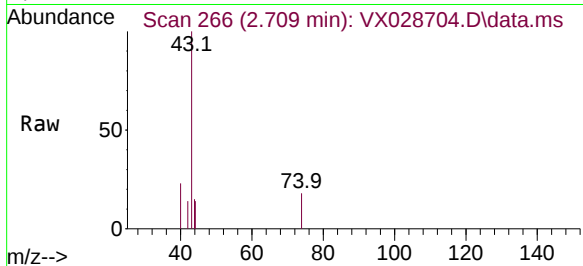




#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

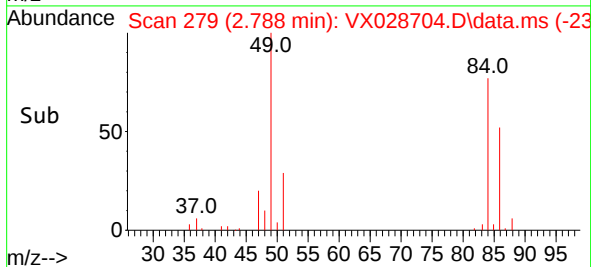
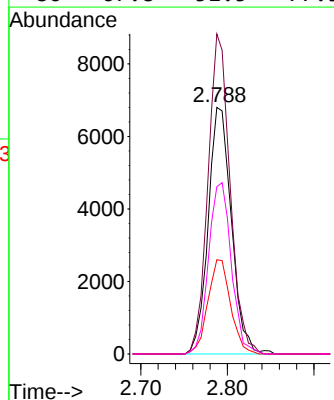
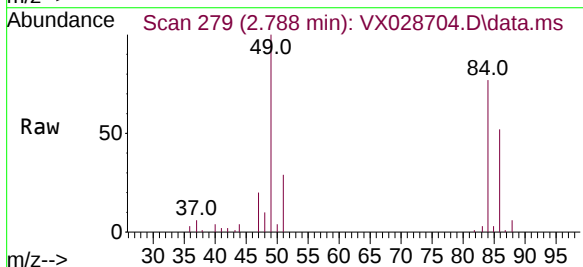
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

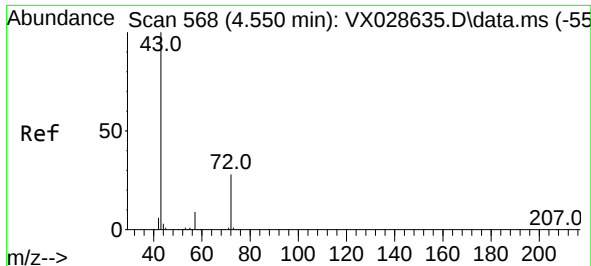
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
74 16.1 22.8 34.2#



#20
Methylene Chloride
Concen: 4.390 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 84 Resp: 12693
Ion Ratio Lower Upper
84 100
49 129.8 85.5 128.3#
51 38.2 26.6 39.8
86 67.8 51.5 77.3

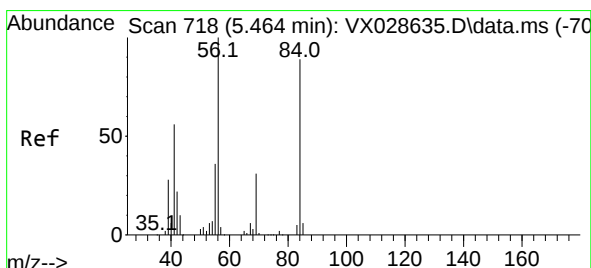
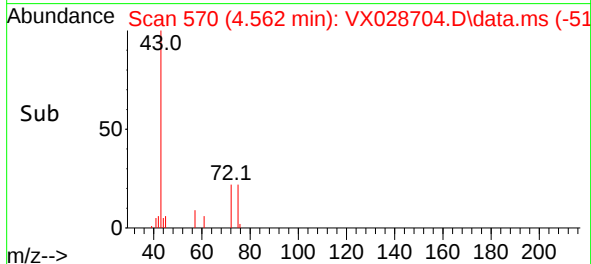
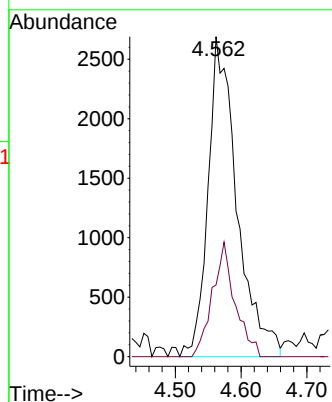
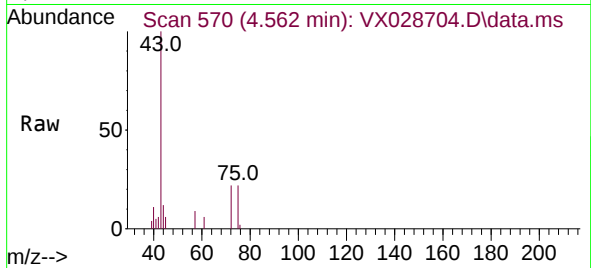




#25
2-Butanone
Concen: 3.801 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

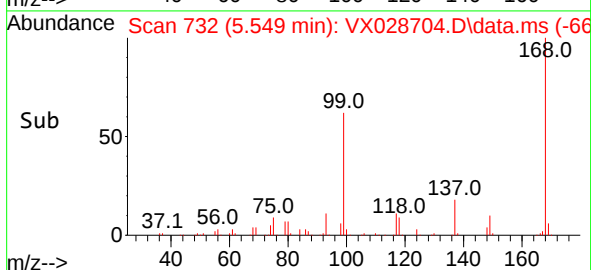
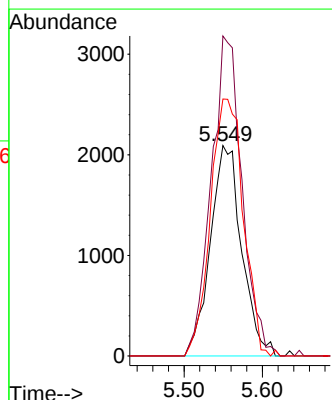
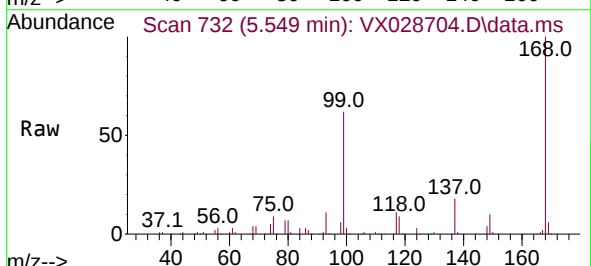
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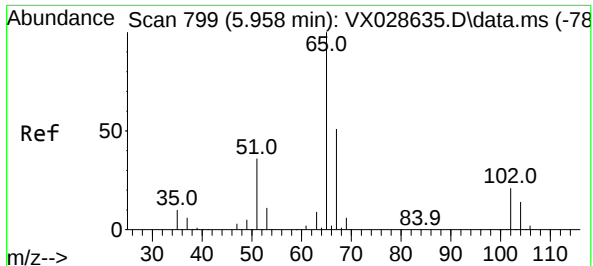
Tgt Ion: 43 Resp: 8223
Ion Ratio Lower Upper
43 100
72 22.4 24.4 36.6#



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 56 Resp: 5811
Ion Ratio Lower Upper
56 100
69 152.1 26.7 40.1#
84 122.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.677 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028704.D

Acq: 14 May 2022 02:12

Instrument :

MSVOA_X

ClientSampleId :

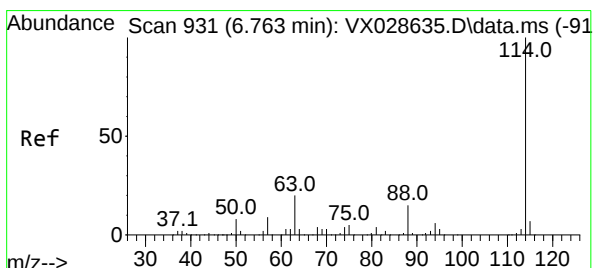
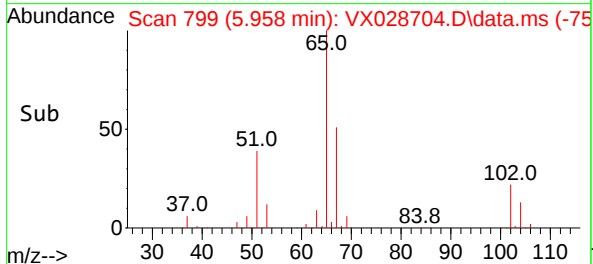
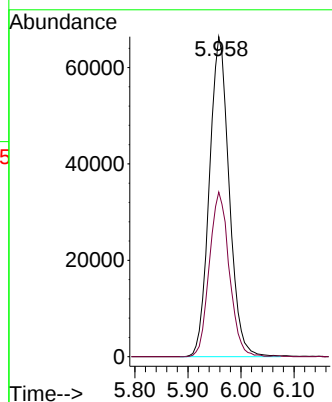
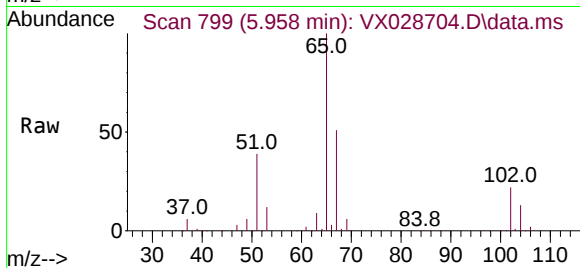
PB144781ZHE#05

Tgt Ion: 65 Resp: 172386

Ion Ratio Lower Upper

65 100

67 51.7 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: VX028704.D

Acq: 14 May 2022 02:12

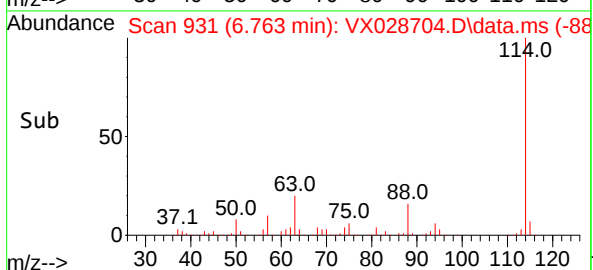
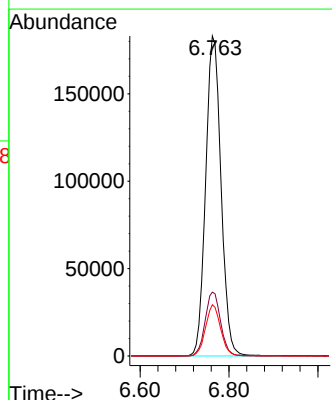
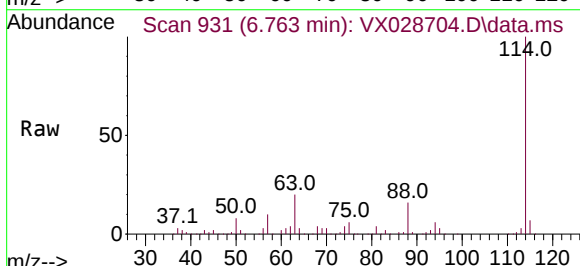
Tgt Ion: 114 Resp: 441163

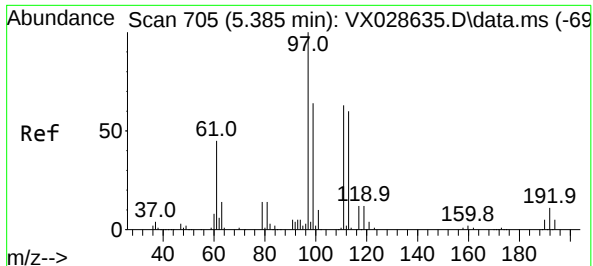
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.542 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX028704.D

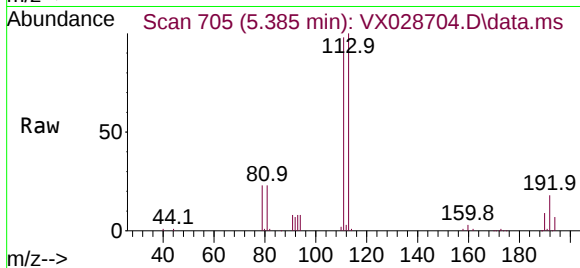
Acq: 14 May 2022 02:12

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#05



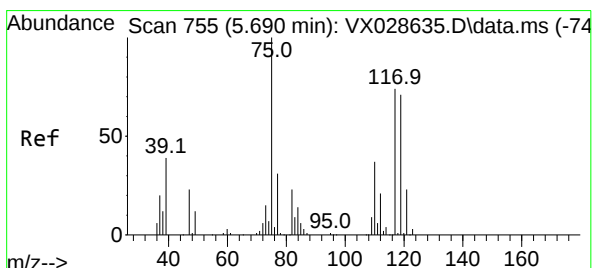
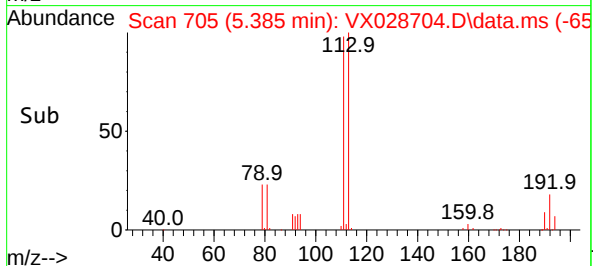
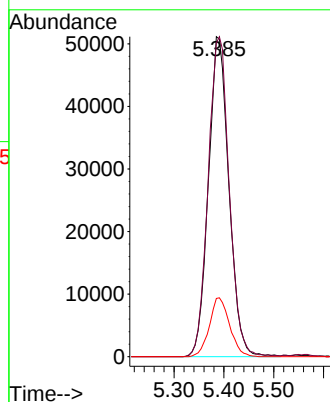
Tgt Ion:113 Resp: 146087

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.562 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX028704.D

Acq: 14 May 2022 02:12

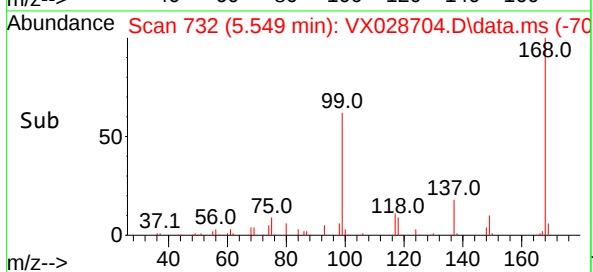
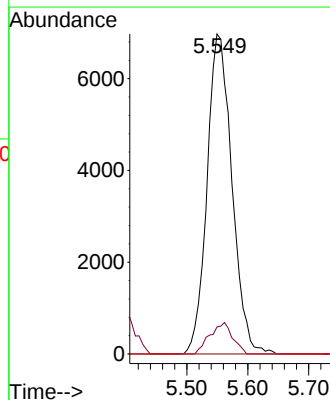
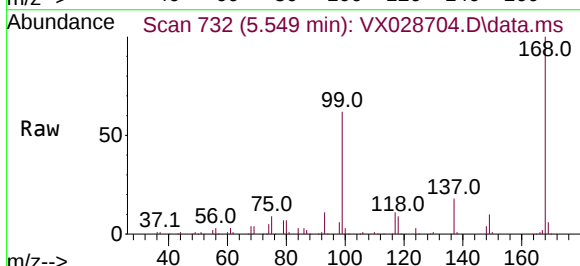
Tgt Ion: 75 Resp: 19804

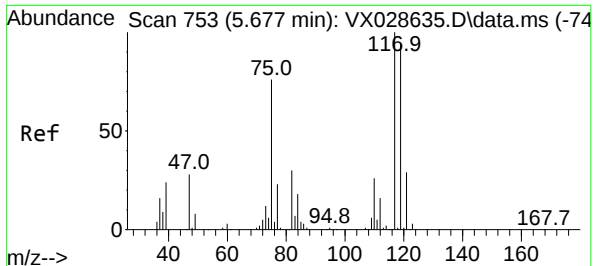
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

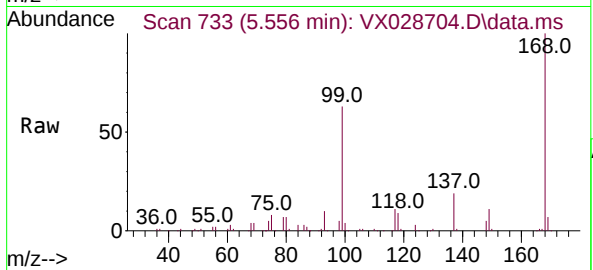
77 0.0 24.8 37.2#



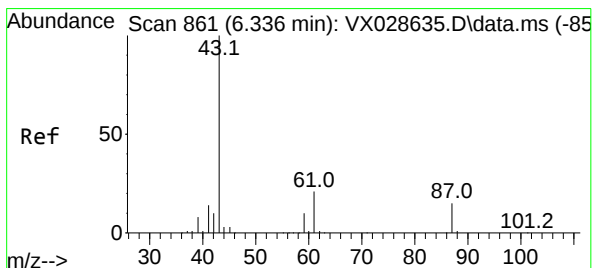
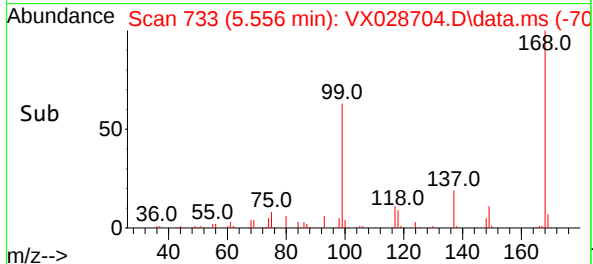
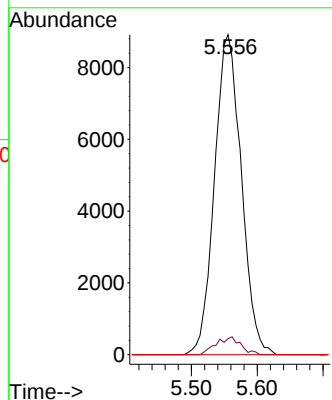


#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

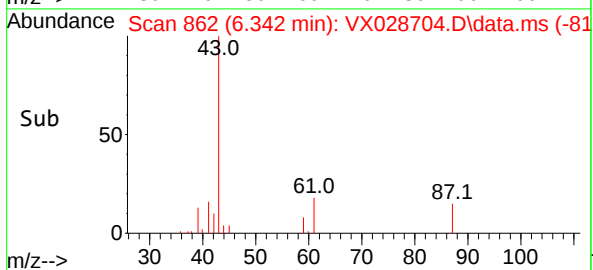
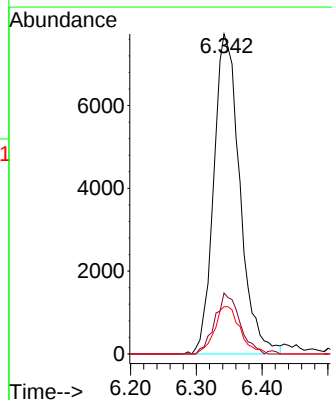
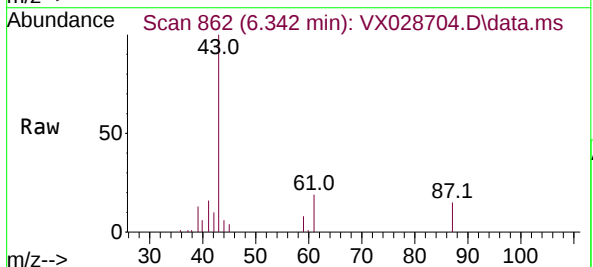


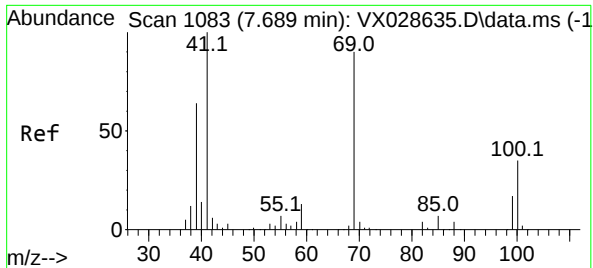
Tgt Ion:117 Resp: 25273
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.999 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 43 Resp: 21277
Ion Ratio Lower Upper
43 100
61 18.1 18.5 27.7#
87 14.5 13.0 19.6

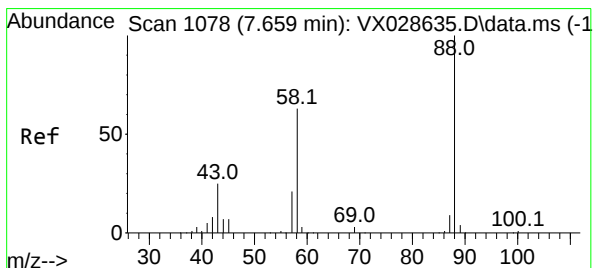
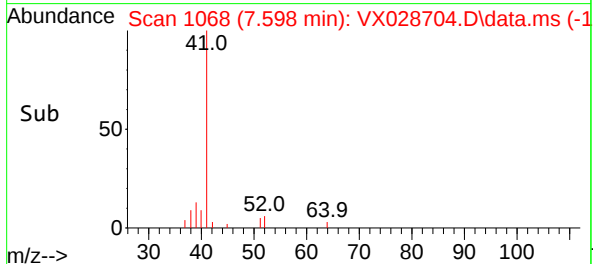
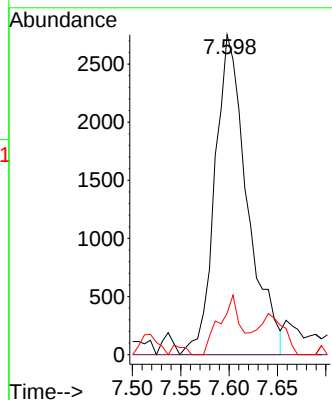
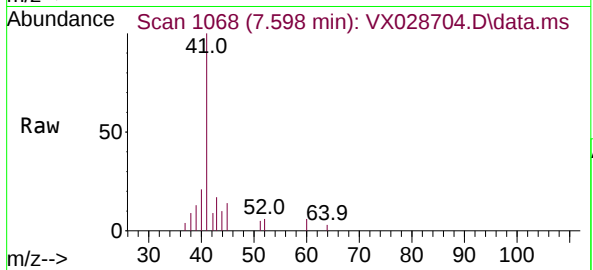




#48
Methyl methacrylate
Concen: 1.866 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.091 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

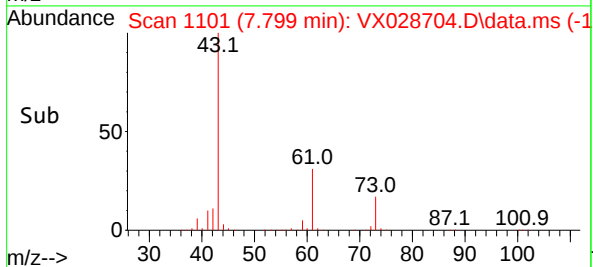
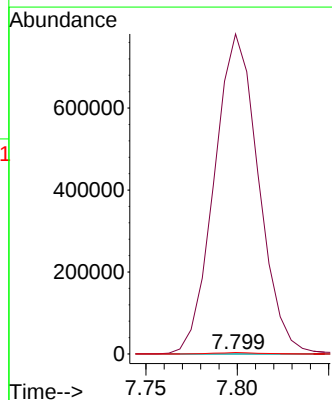
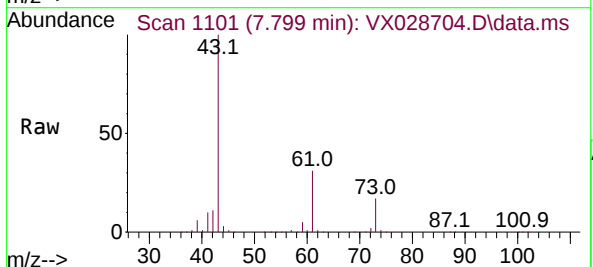
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

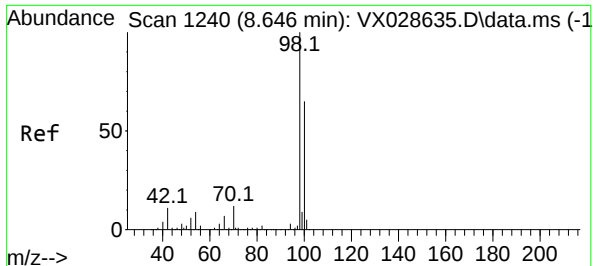
Tgt Ion: 41 Resp: 6393
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.628 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 590097.8 21.9 32.9#
58 2611.1 53.7 80.5#

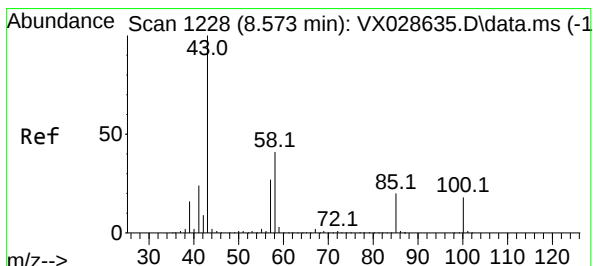
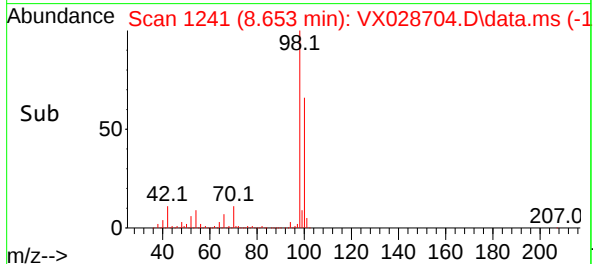
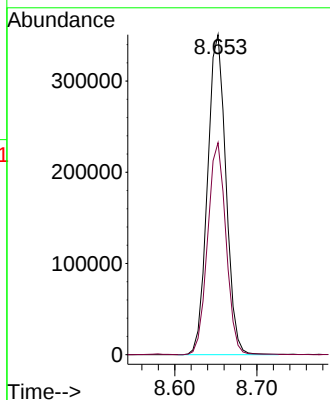
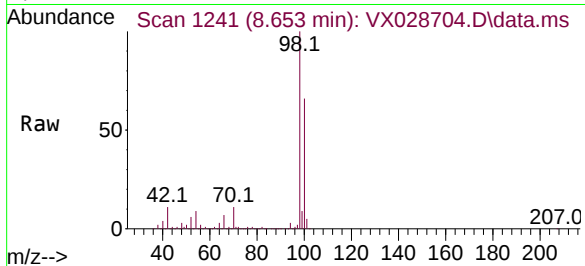




#50
Toluene-d8
Concen: 50.025 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

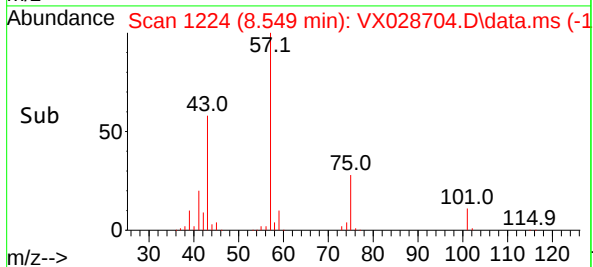
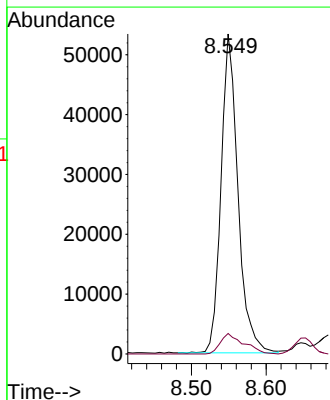
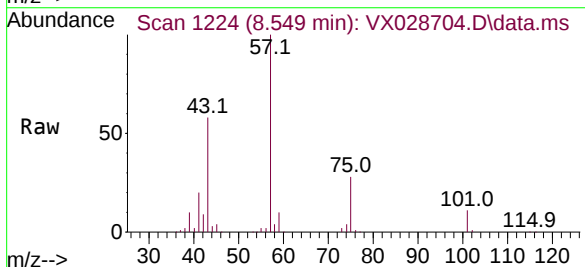
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

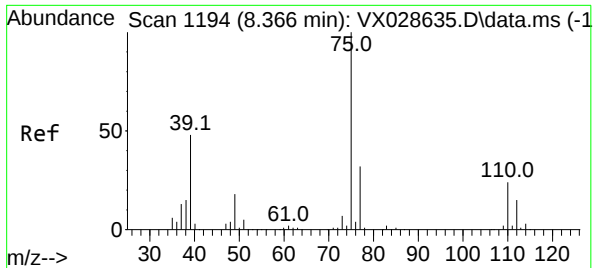
Tgt Ion: 98 Resp: 545151
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.936 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion: 43 Resp: 83809
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

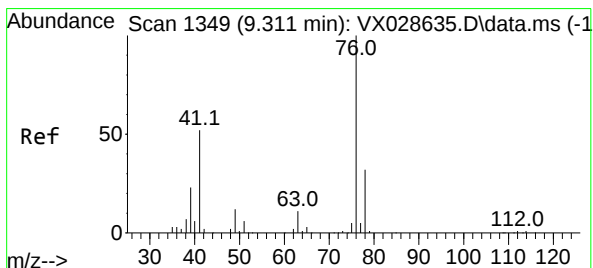
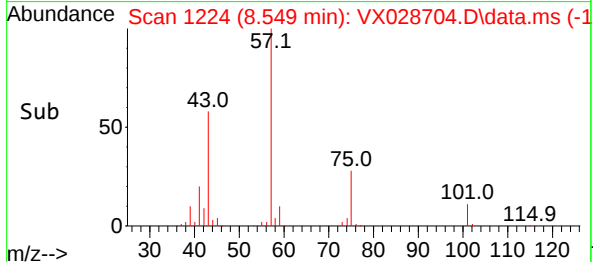
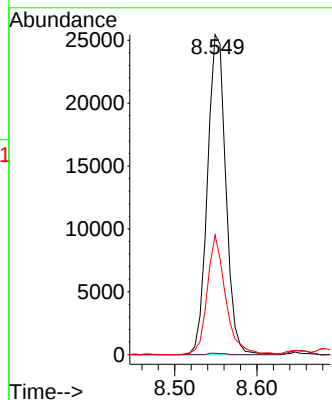
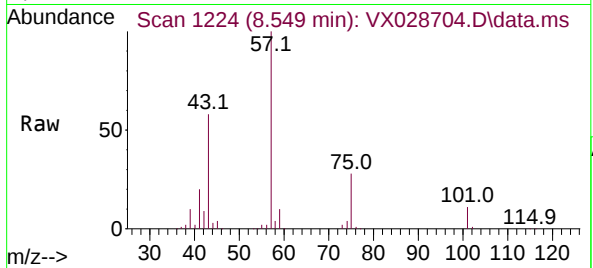




#54
 cis-1,3-Dichloropropene
 Concen: 8.108 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028704.D
 Acq: 14 May 2022 02:12

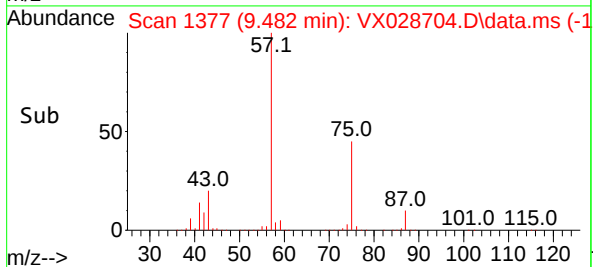
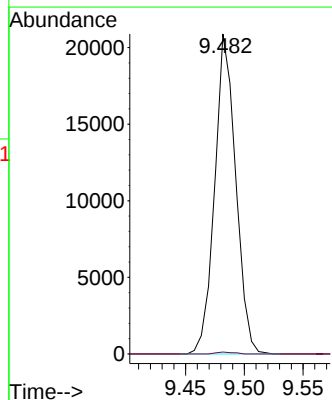
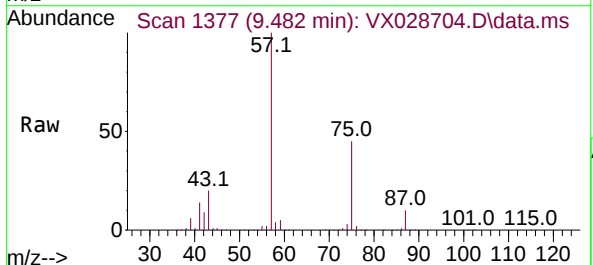
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#05

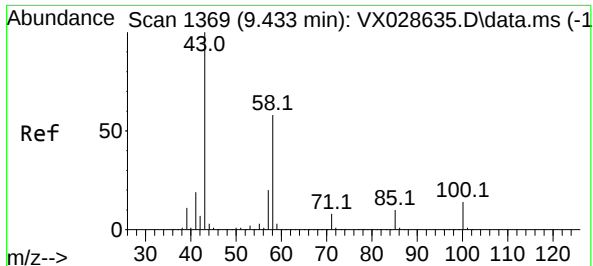
Tgt Ion: 75 Resp: 39375
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 37.4 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.719 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028704.D
 Acq: 14 May 2022 02:12

Tgt Ion: 76 Resp: 26048
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 90.364 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028704.D

Acq: 14 May 2022 02:12

Instrument :

MSVOA_X

ClientSampleId :

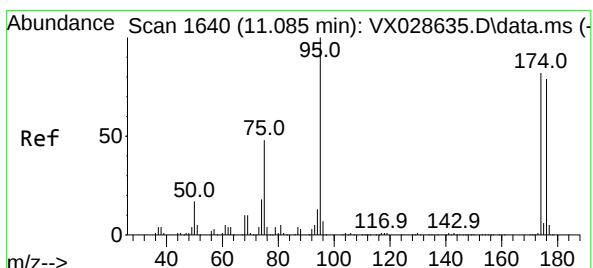
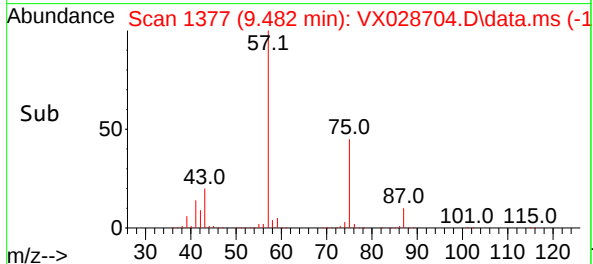
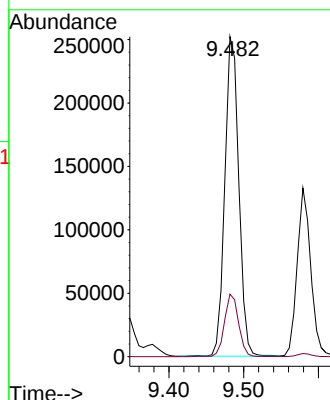
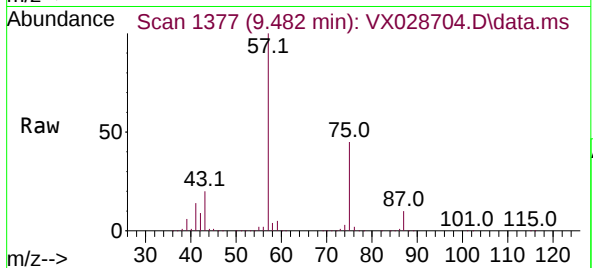
PB144781ZHE#05

Tgt Ion: 43 Resp: 328056

Ion Ratio Lower Upper

43 100

58 19.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 48.614 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX028704.D

Acq: 14 May 2022 02:12

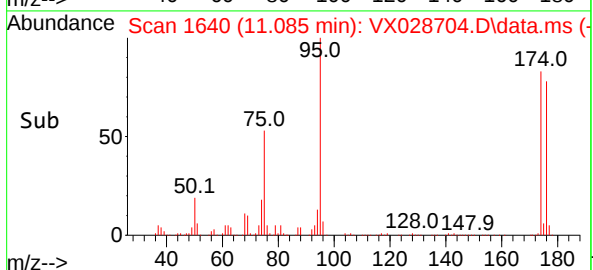
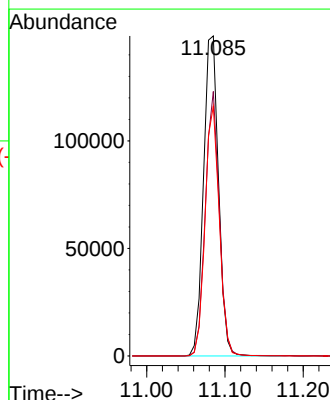
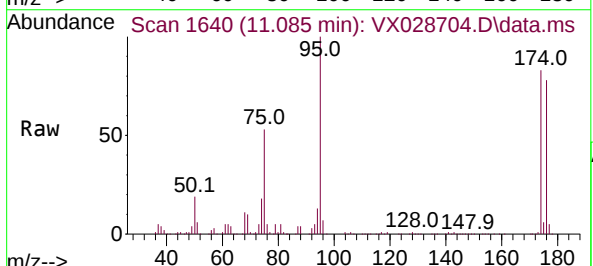
Tgt Ion: 95 Resp: 197874

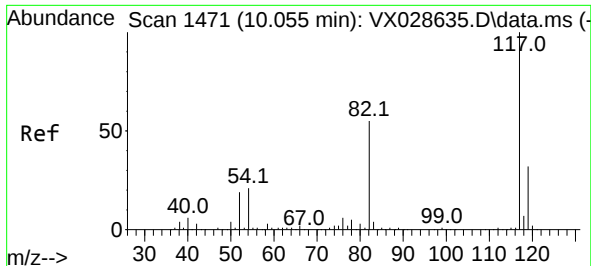
Ion Ratio Lower Upper

95 100

174 77.0 0.0 163.0

176 74.1 0.0 155.0

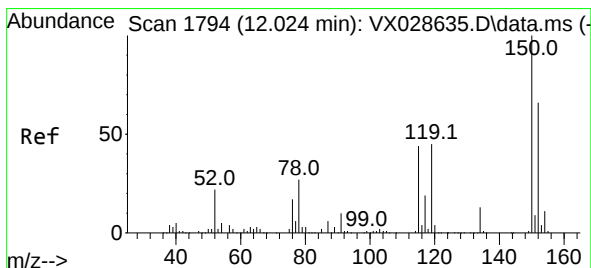
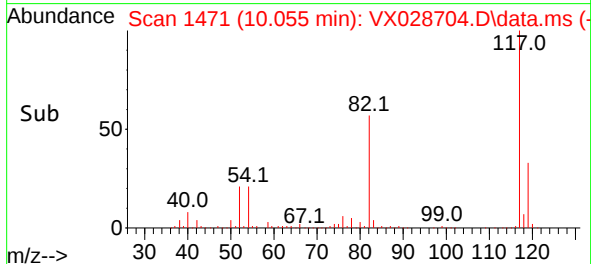
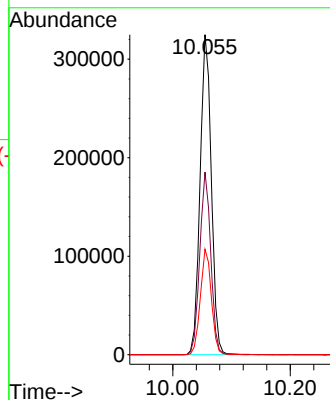
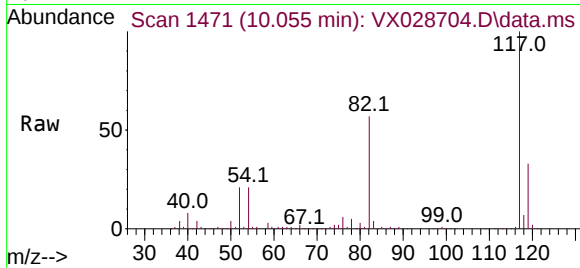




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

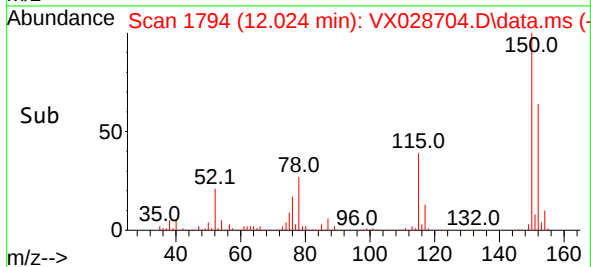
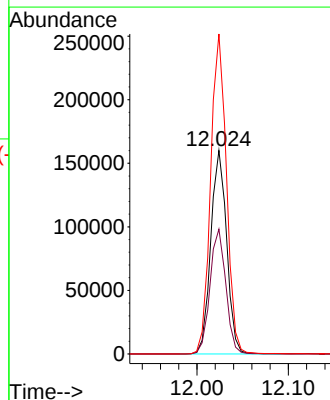
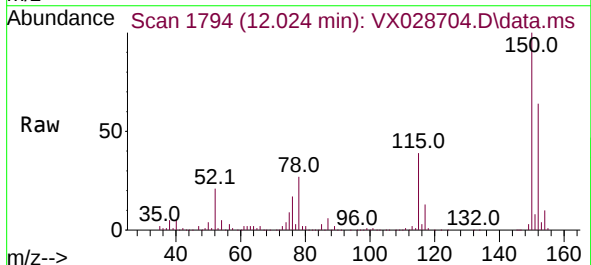
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

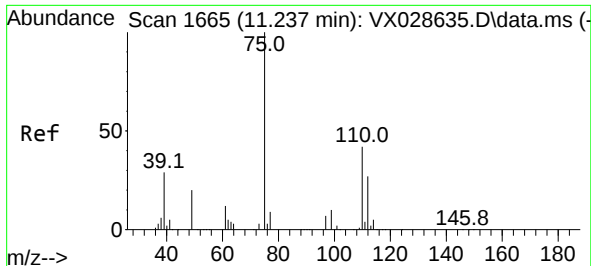
Tgt Ion:117 Resp: 431935
Ion Ratio Lower Upper
117 100
82 57.0 41.8 62.8
119 32.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

Tgt Ion:152 Resp: 192300
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 156.7 0.0 338.2

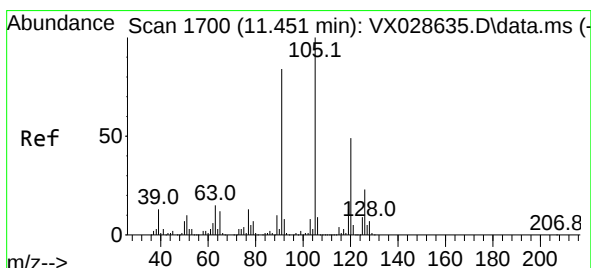
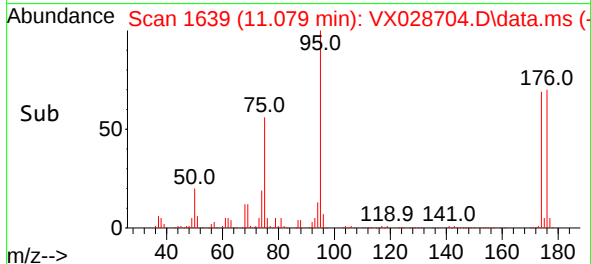
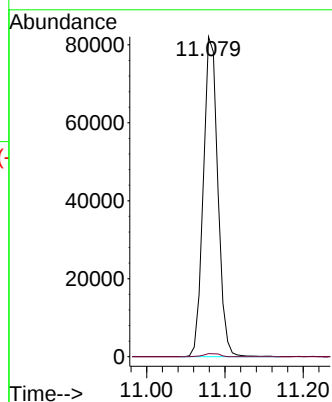
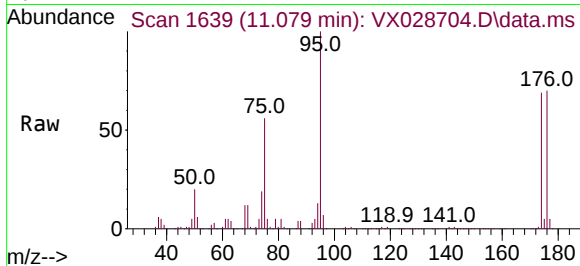




#76
1,2,3-Trichloropropane
Concen: 23.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

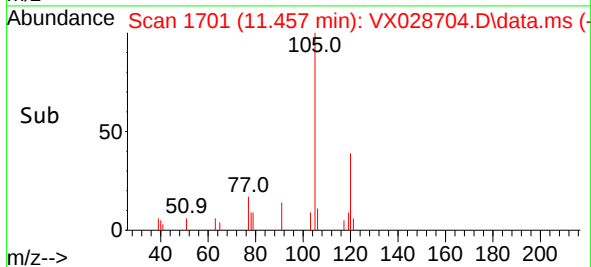
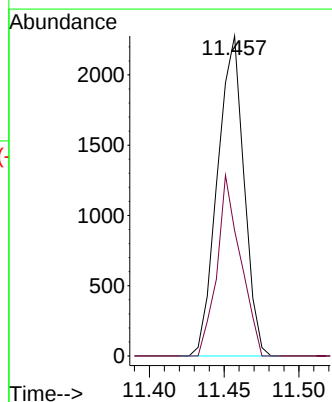
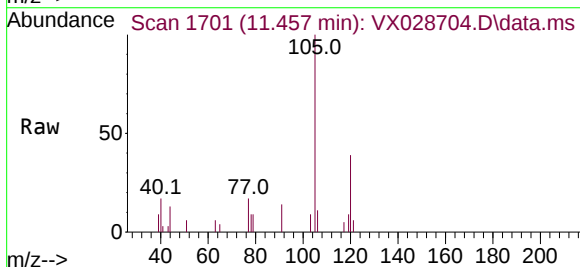
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#05

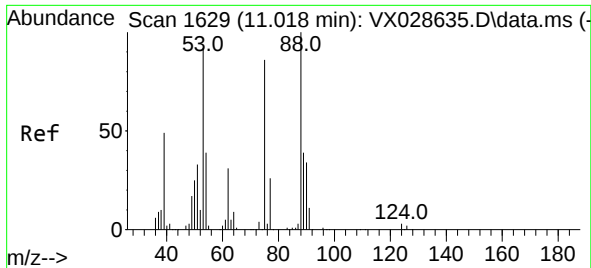
Tgt Ion: 75 Resp: 105626
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.231 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX028704.D
Acq: 14 May 2022 02:12

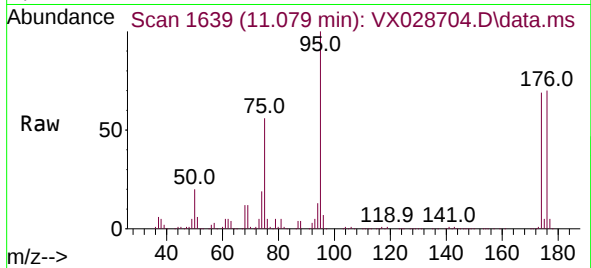
Tgt Ion:105 Resp: 2812
Ion Ratio Lower Upper
105 100
120 50.0 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.424 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028704.D
 Acq: 14 May 2022 02:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#05



Tgt Ion: 75 Resp: 105626
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

