

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028782.D
 Acq On : 18 May 2022 01:26
 Operator : JC/MD
 Sample : PB144875ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144875ZHE#01

Quant Time: May 18 05:00:10 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)

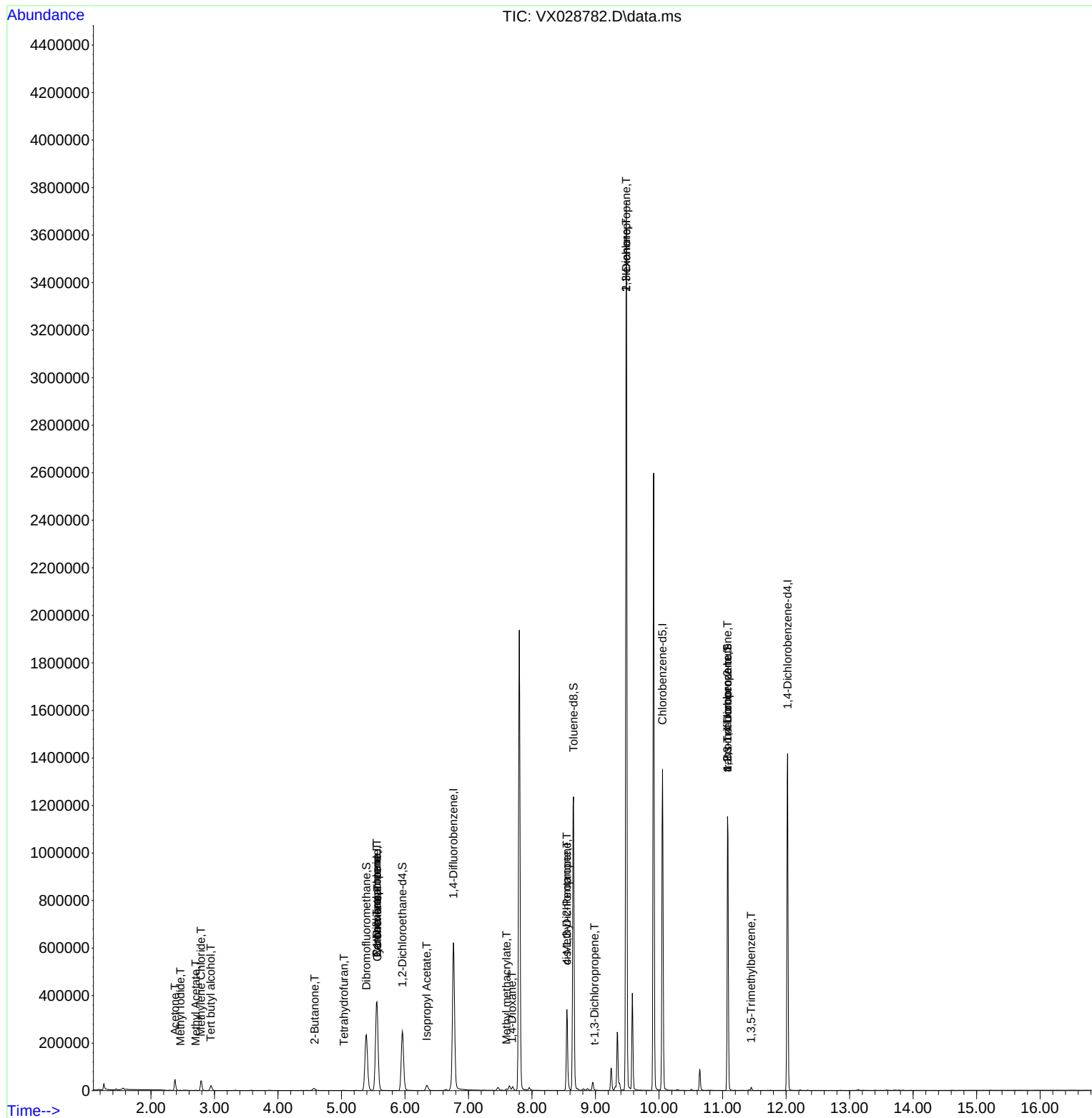
Internal Standards						
1) Pentafluorobenzene	5.556	168	344482	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	615118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	596826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	251608	53.284	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.560%	
35) Dibromofluoromethane	5.391	113	204398	50.717	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.440%	
50) Toluene-d8	8.653	98	741859	48.824	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	11.079	95	307501	54.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	697	Below Cal		84
6) Chloroethane	1.764	64	245	Below Cal	#	43
10) Methyl Iodide	2.465	142	965	0.210	ug/l	# 75
11) Tert butyl alcohol	2.940	59	11737	3.856	ug/l	# 73
16) Acetone	2.380	43	46928	23.156	ug/l	90
18) Methyl Acetate	2.703	43	2153	0.424	ug/l	89
20) Methylene Chloride	2.788	84	18649	4.386	ug/l	92
25) 2-Butanone	4.574	43	9837	3.092	ug/l	# 80
29) Tetrahydrofuran	5.038	42	555	0.268	ug/l	# 38
31) Cyclohexane	5.562	56	7687	1.173	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	28275	4.671	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	37033	6.079	ug/l	# 15
43) Isopropyl Acetate	6.342	43	29963	3.029	ug/l	96
48) Methyl methacrylate	7.598	41	8710	1.823	ug/l	# 7
49) 1,4-Dioxane	7.683	88	24	0.201	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	115867	17.784	ug/l	# 44
53) t-1,3-Dichloropropene	8.982	75	110	1.656	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	55423	8.185	ug/l	# 69
57) 1,3-Dichloropropane	9.482	76	34537	4.487	ug/l	# 43
59) 2-Hexanone	9.482	43	438097	86.548	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	162723	24.197	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	5577	0.307	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	162723	70.467	ug/l	# 15

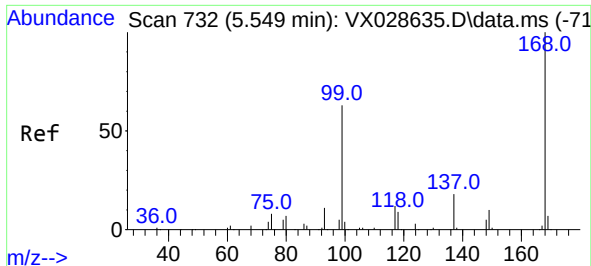
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
Data File : VX028782.D
Acq On : 18 May 2022 01:26
Operator : JC/MD
Sample : PB144875ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

Quant Time: May 18 05:00:10 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

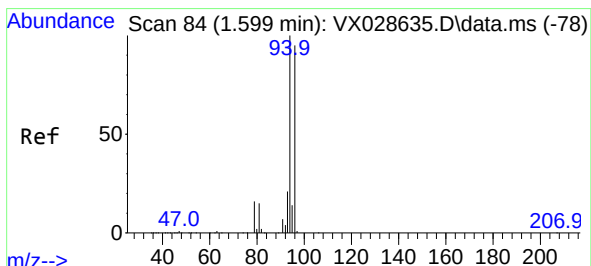
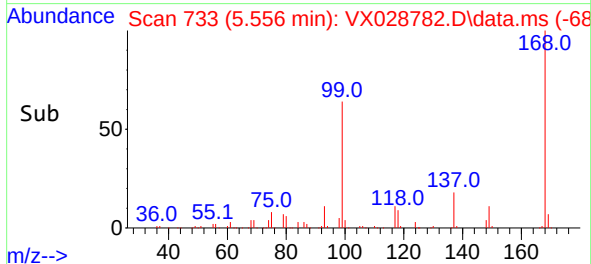
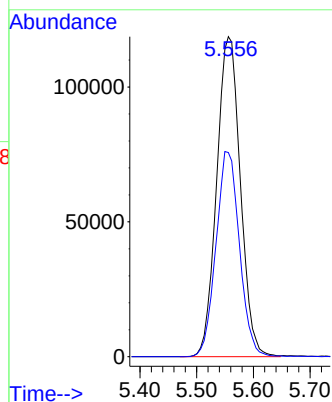
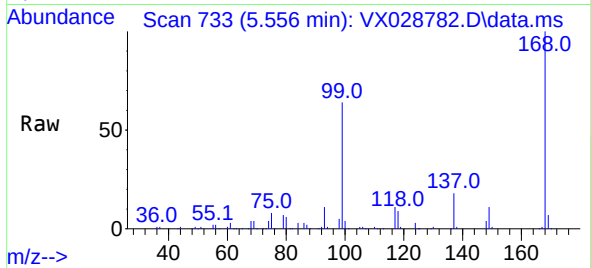




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

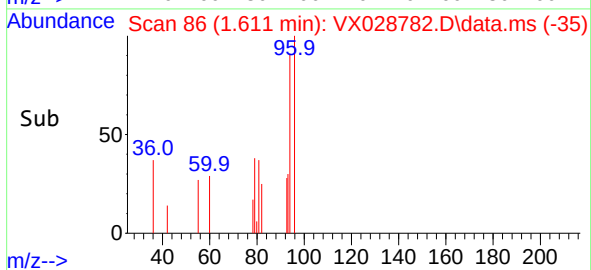
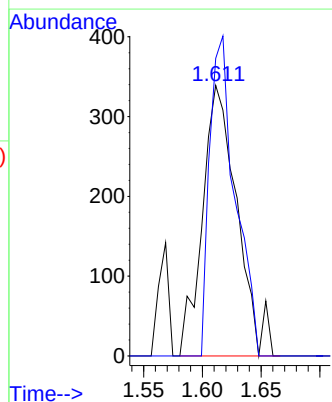
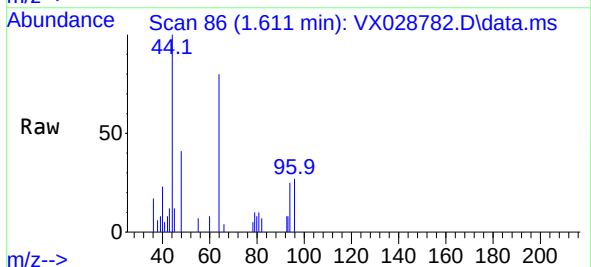
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

Tgt Ion:168 Resp: 344482
Ion Ratio Lower Upper
168 100
99 63.8 41.7 62.5#

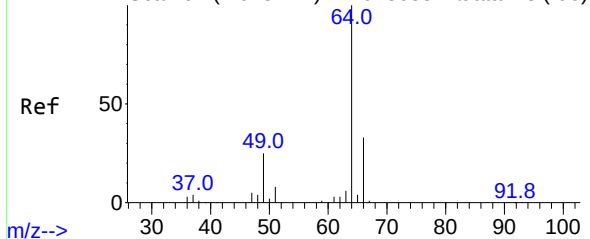


#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Tgt Ion: 94 Resp: 697
Ion Ratio Lower Upper
94 100
96 110.0 75.3 112.9



Abundance Scan 97 (1.678 min): VX028635.D\data.ms (-90)

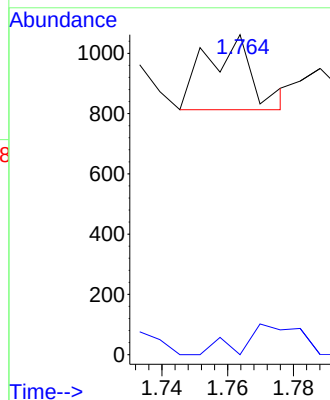
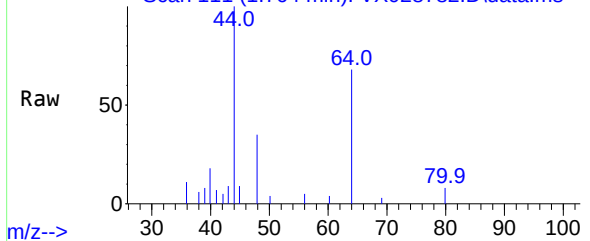


#6
Chloroethane
Concen: Below Cal
RT: 1.764 min Scan# 111
Delta R.T. 0.086 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

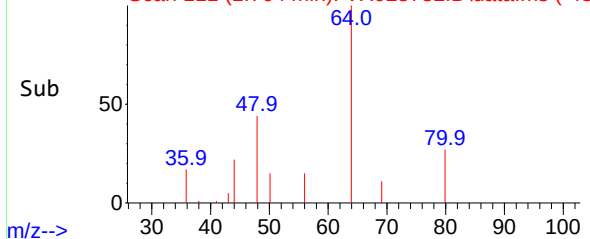
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

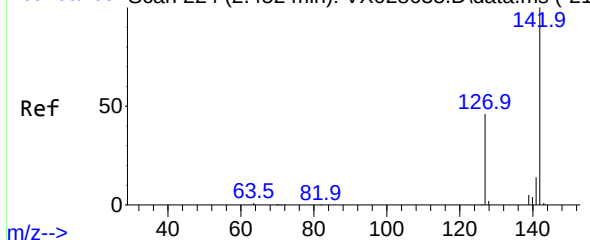
Abundance Scan 111 (1.764 min): VX028782.D\data.ms



Abundance Scan 111 (1.764 min): VX028782.D\data.ms (-48)



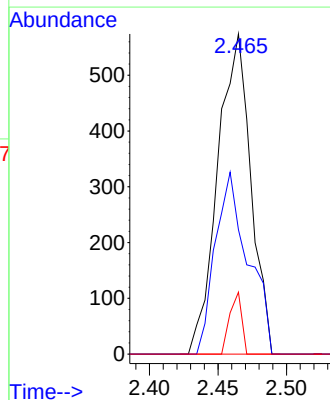
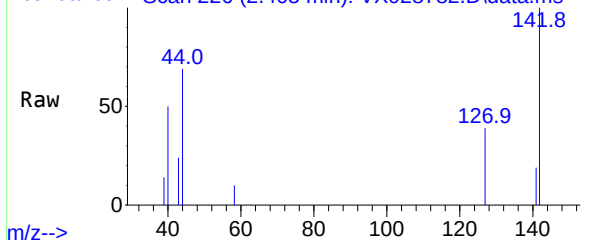
Abundance Scan 224 (2.452 min): VX028635.D\data.ms (-21)



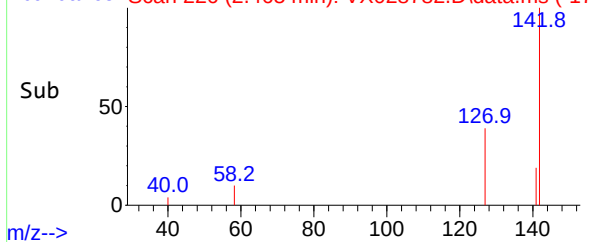
#10
Methyl Iodide
Concen: 0.210 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.013 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

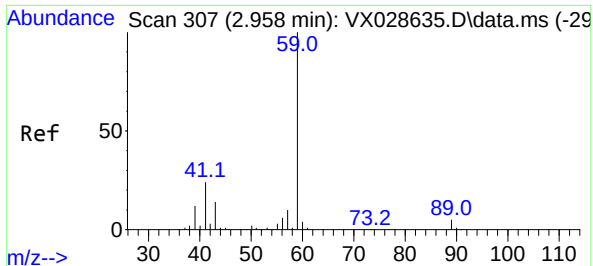
Tgt Ion: 142 Resp: 965
Ion Ratio Lower Upper
142 100
127 56.4 33.9 50.9#
141 0.0 11.4 17.2#

Abundance Scan 226 (2.465 min): VX028782.D\data.ms



Abundance Scan 226 (2.465 min): VX028782.D\data.ms (-17)





#11

Tert butyl alcohol

Concen: 3.856 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

Instrument :

MSVOA_X

ClientSampleId :

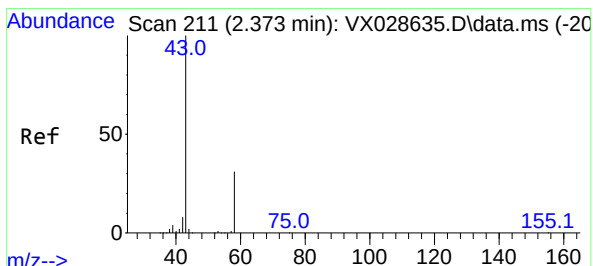
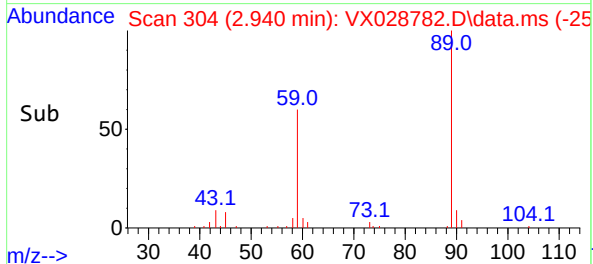
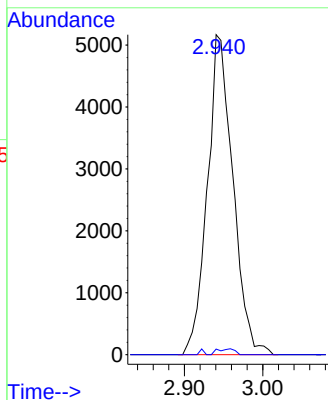
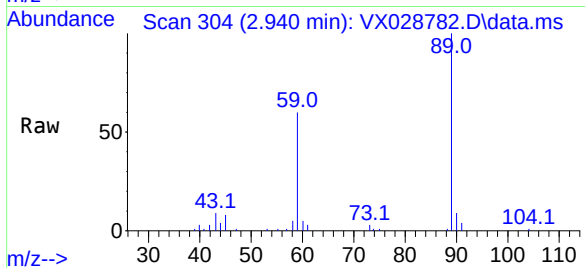
PB144875ZHE#01

Tgt Ion: 59 Resp: 11737

Ion Ratio Lower Upper

59 100

57 0.3 8.3 12.5#



#16

Acetone

Concen: 23.156 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX028782.D

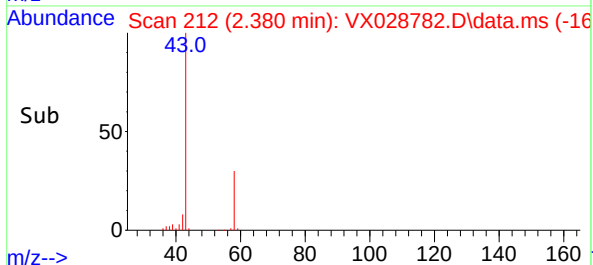
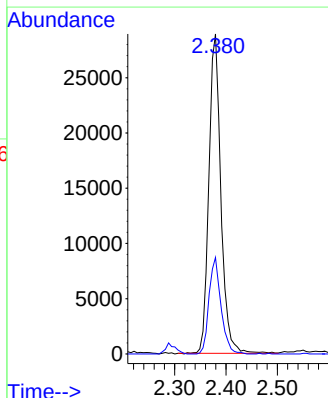
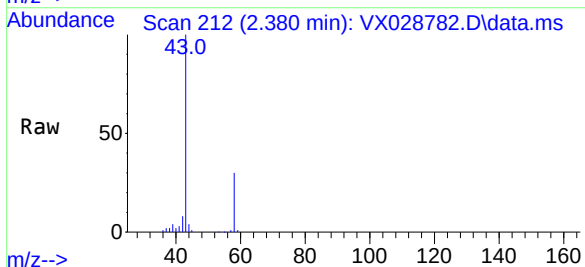
Acq: 18 May 2022 01:26

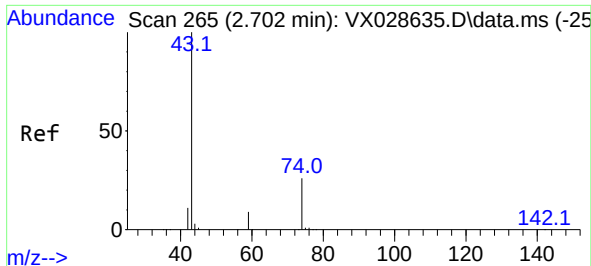
Tgt Ion: 43 Resp: 46928

Ion Ratio Lower Upper

43 100

58 30.2 28.8 43.2





#18

Methyl Acetate

Concen: 0.424 ug/l

RT: 2.703 min Scan# 2153

Delta R.T. 0.001 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

Instrument :

MSVOA_X

ClientSampleId :

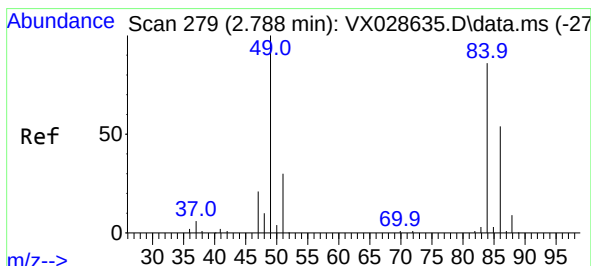
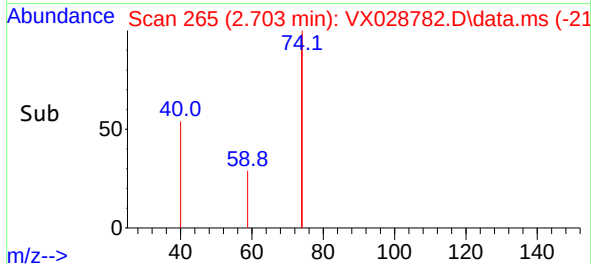
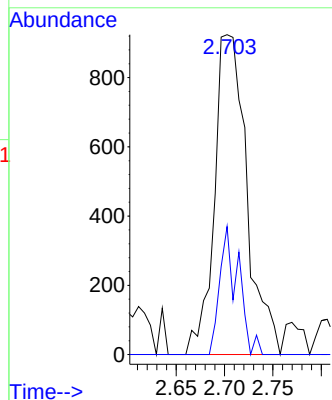
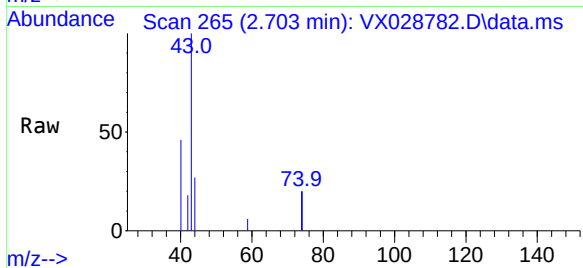
PB144875ZHE#01

Tgt Ion: 43 Resp: 2153

Ion Ratio Lower Upper

43 100

74 22.8 22.8 34.2



#20

Methylene Chloride

Concen: 4.386 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

Tgt Ion: 84 Resp: 18649

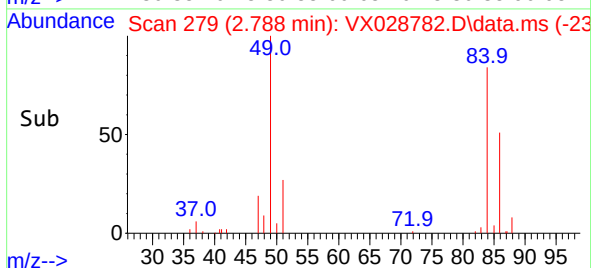
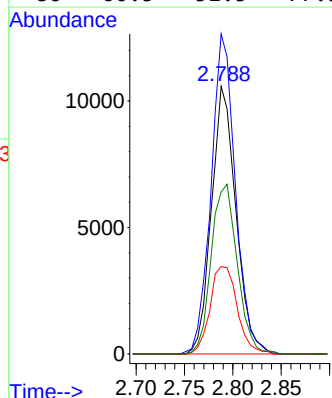
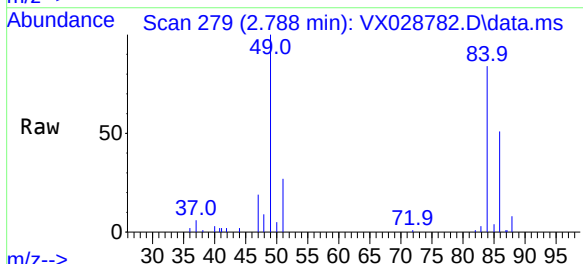
Ion Ratio Lower Upper

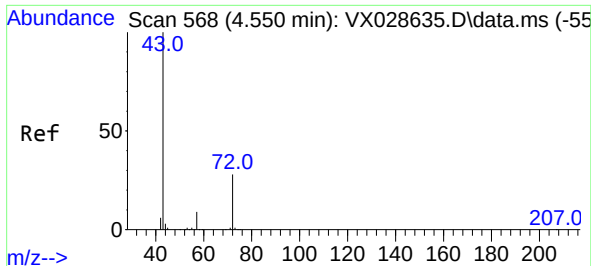
84 100

49 119.6 85.5 128.3

51 32.6 26.6 39.8

86 60.5 51.5 77.3

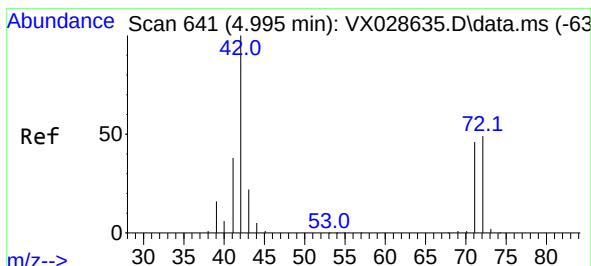
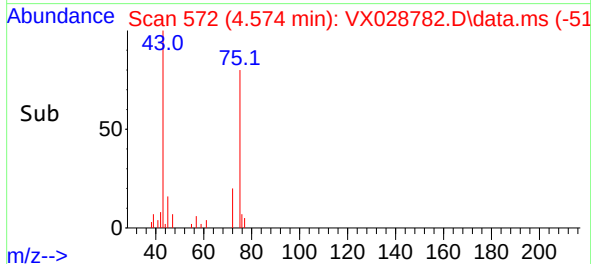
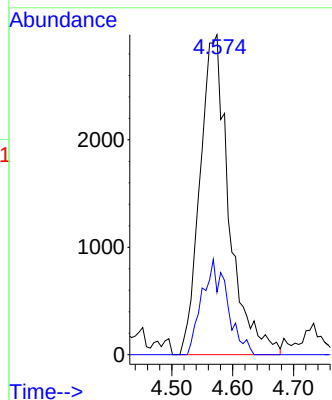
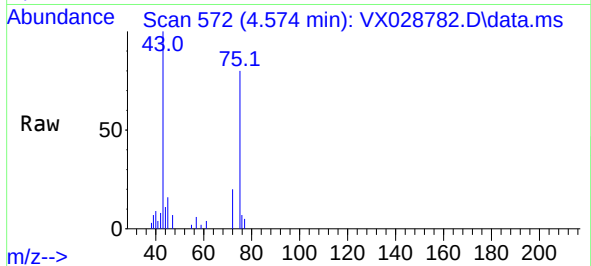




#25
2-Butanone
Concen: 3.092 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

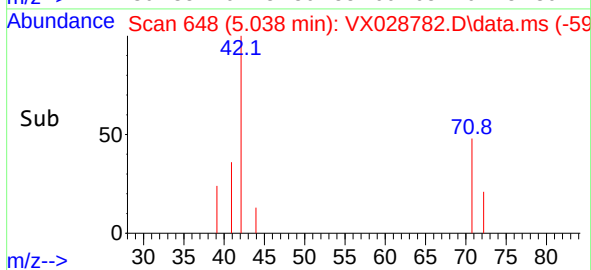
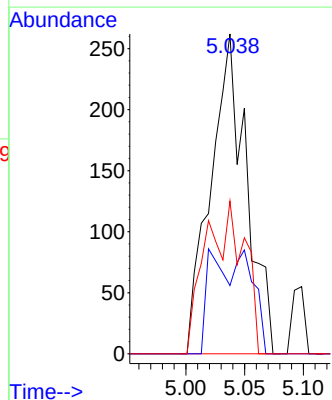
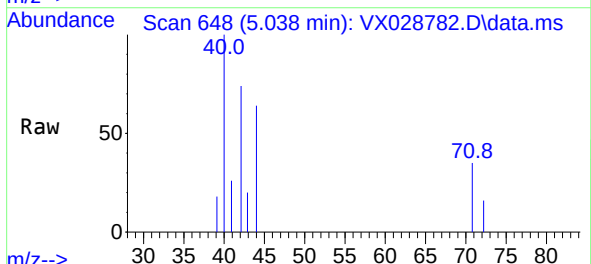
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

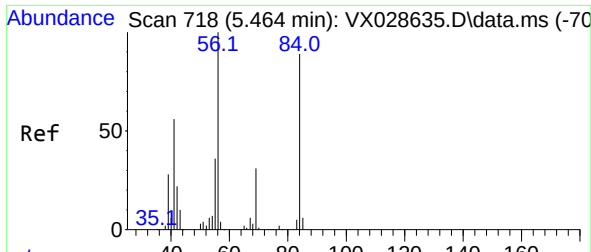
Tgt Ion: 43 Resp: 9837
Ion Ratio Lower Upper
43 100
72 19.5 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

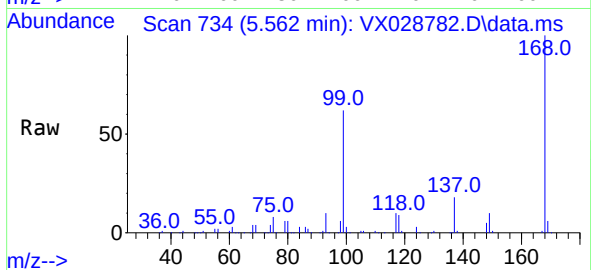
Tgt Ion: 42 Resp: 555
Ion Ratio Lower Upper
42 100
72 18.0 44.1 66.1#
71 0.0 40.5 60.7#



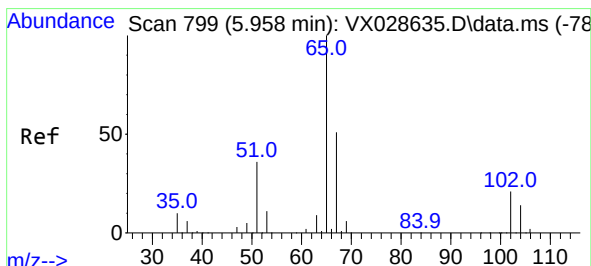
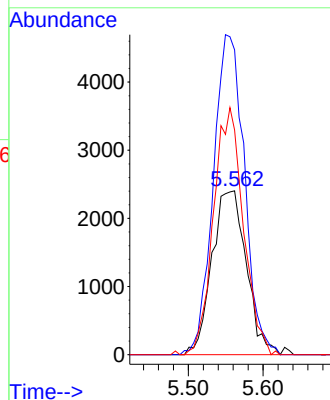
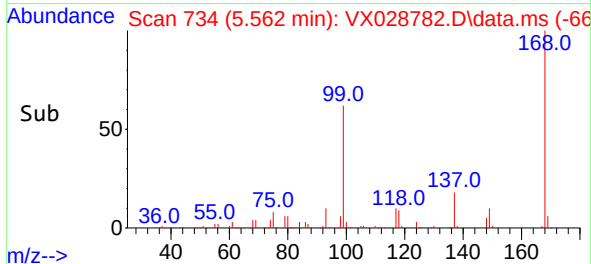


#31
Cyclohexane
Concen: 1.173 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

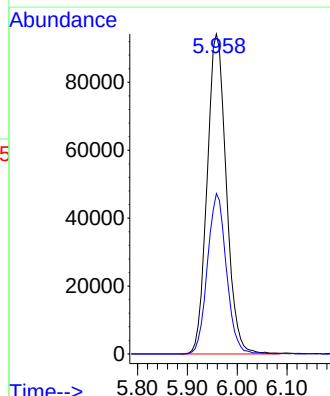
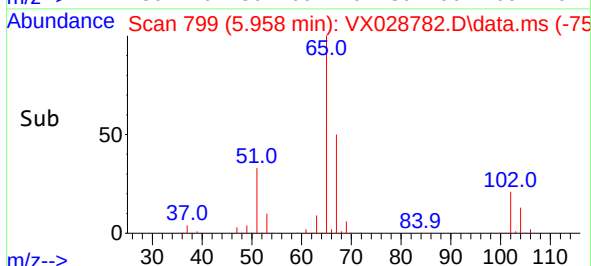
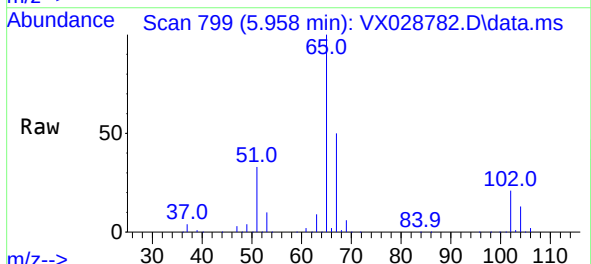


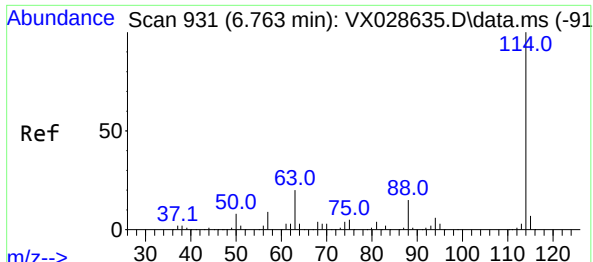
Tgt Ion: 56 Resp: 7687
Ion Ratio Lower Upper
56 100
69 186.1 26.7 40.1#
84 137.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.284 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Tgt Ion: 65 Resp: 251608
Ion Ratio Lower Upper
65 100
67 49.5 0.0 107.4

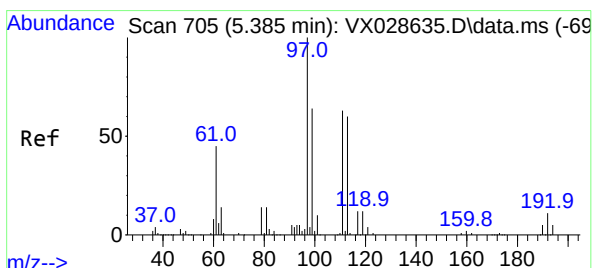
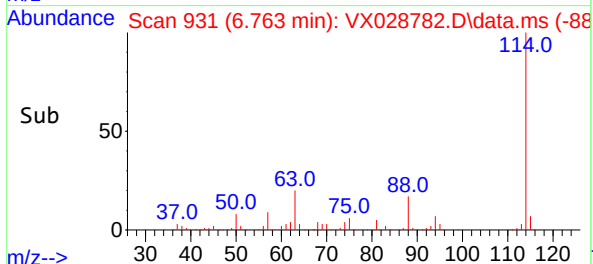
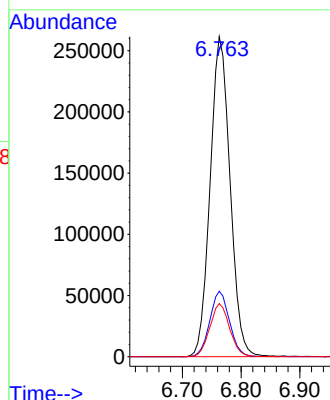
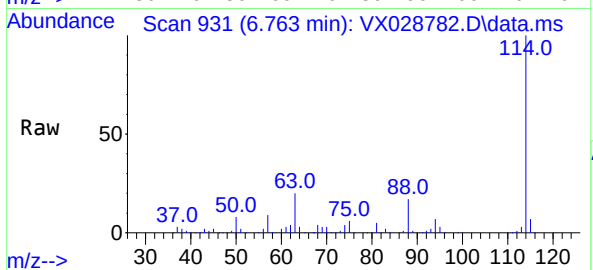




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

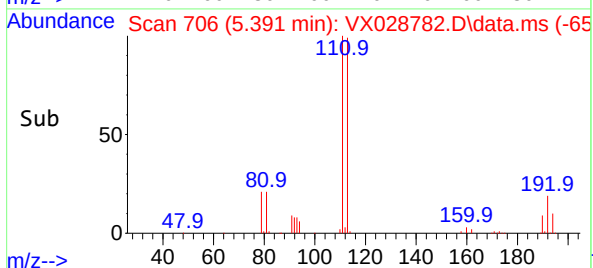
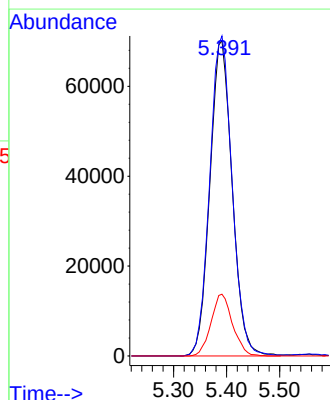
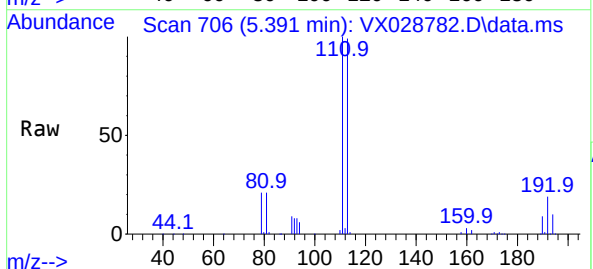
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

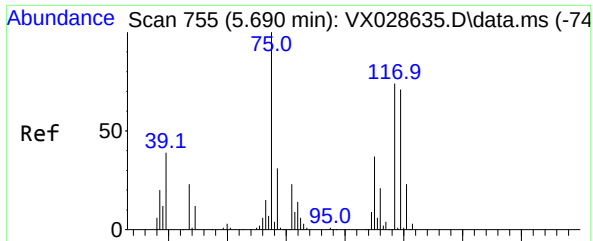
Tgt Ion:114 Resp: 615118
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.717 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

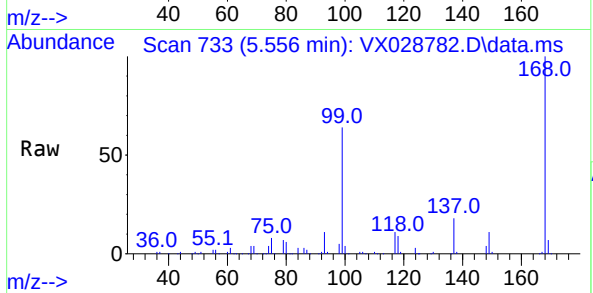
Tgt Ion:113 Resp: 204398
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 18.9 16.9 25.3



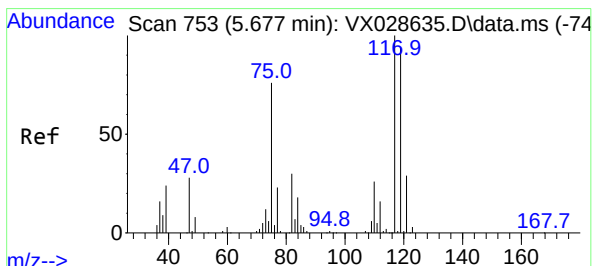
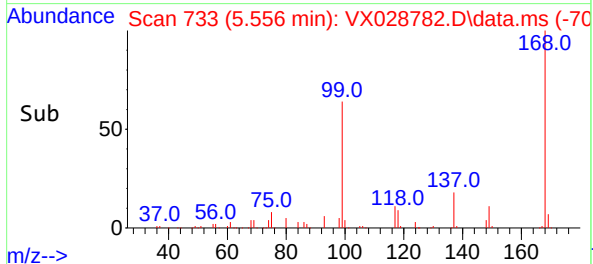
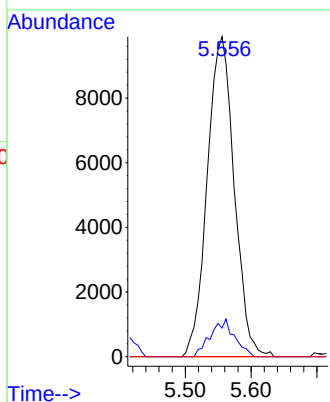


#36
1,1-Dichloropropene
Concen: 4.671 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

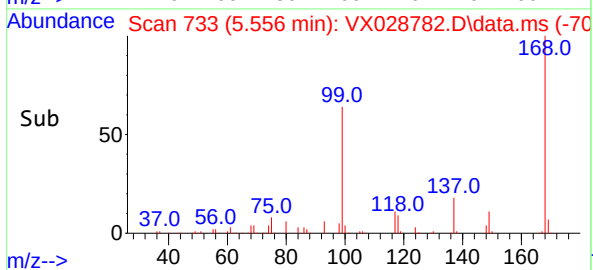
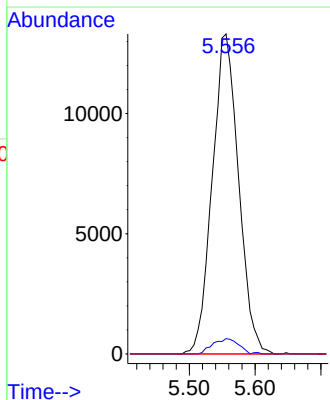
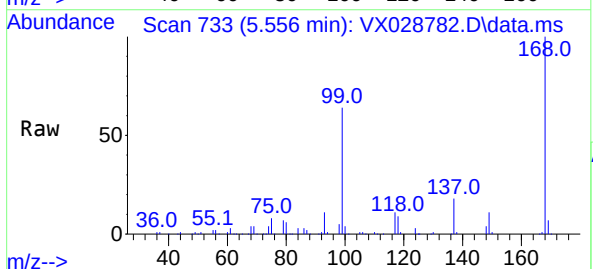


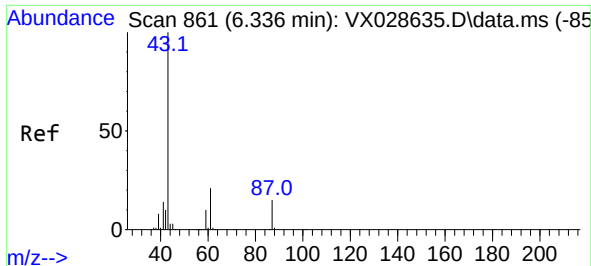
Tgt Ion: 75 Resp: 28275
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Tgt Ion: 117 Resp: 37033
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#

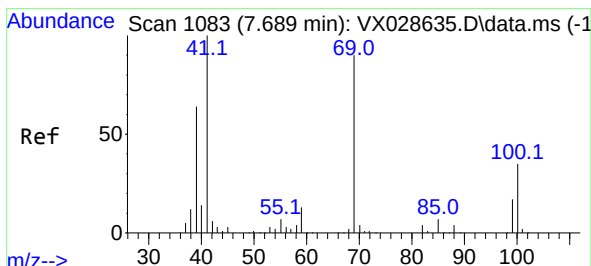
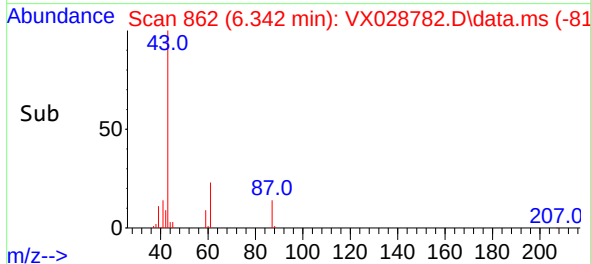
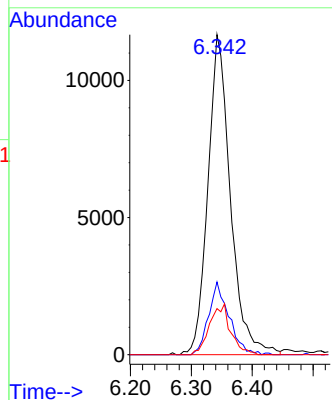
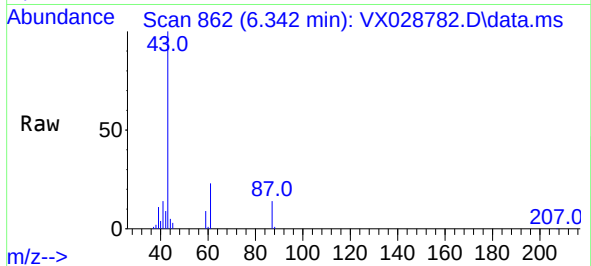




#43
Isopropyl Acetate
Concen: 3.029 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

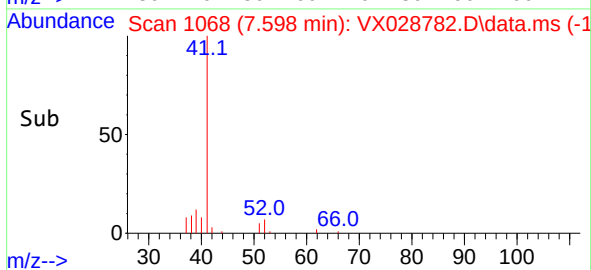
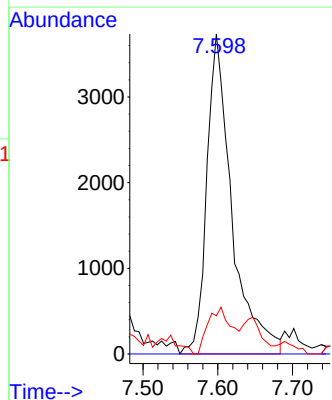
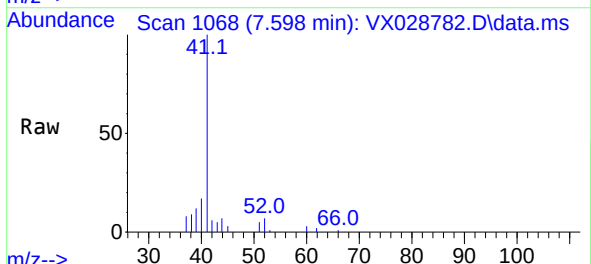
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

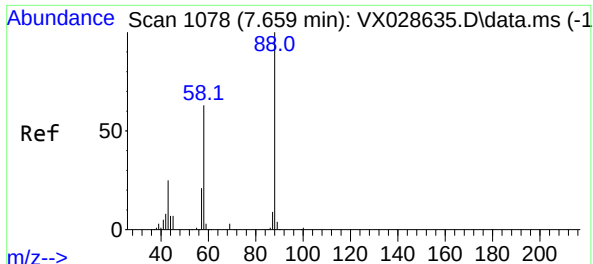
Tgt Ion: 43 Resp: 29963
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 14.8 13.0 19.6



#48
Methyl methacrylate
Concen: 1.823 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

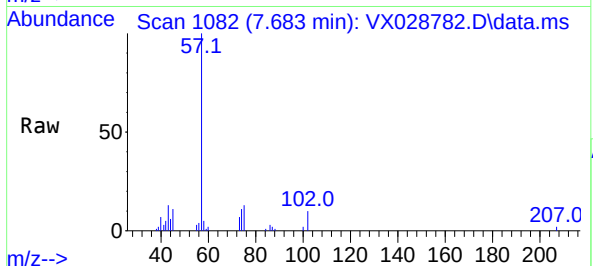
Tgt Ion: 41 Resp: 8710
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



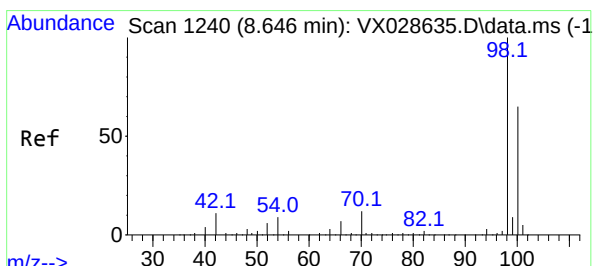
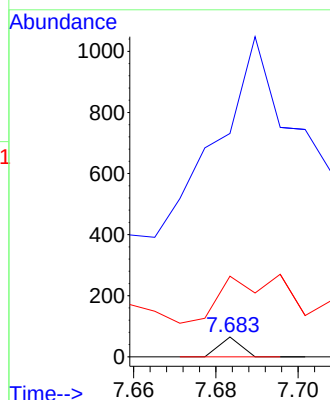
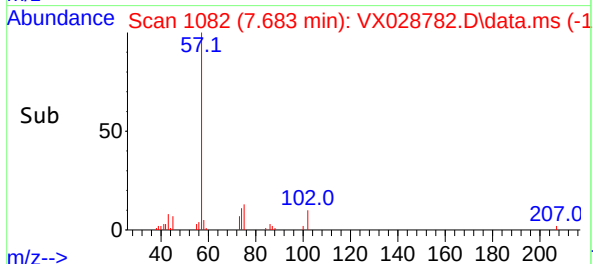


#49
1,4-Dioxane
Concen: 0.201 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

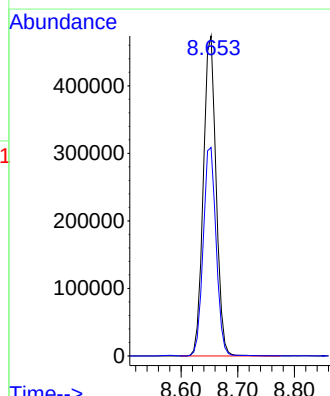
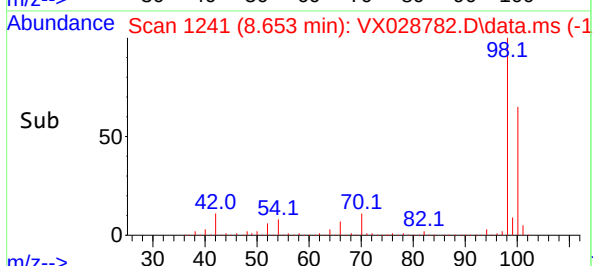
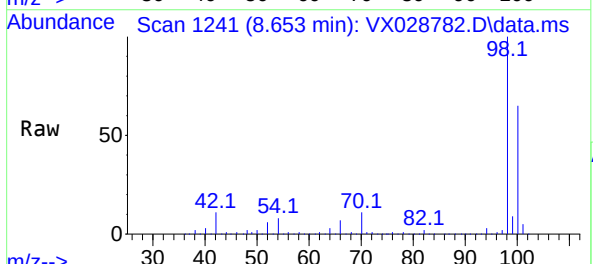


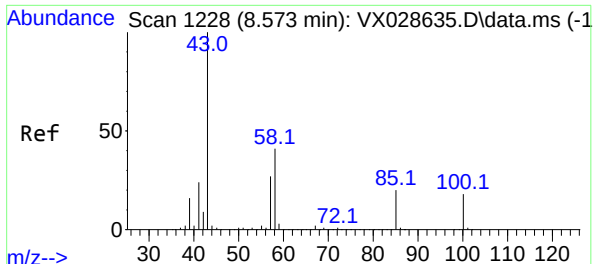
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 2162.5 53.7 80.5#



#50
Toluene-d8
Concen: 48.824 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Tgt Ion: 98 Resp: 741859
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.784 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

Instrument :

MSVOA_X

ClientSampleId :

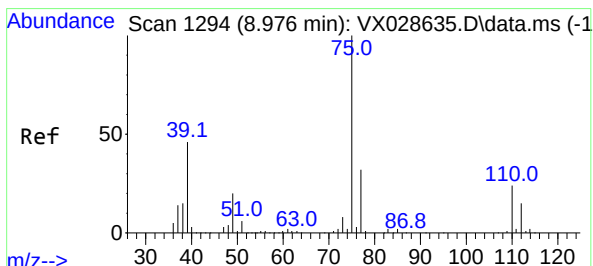
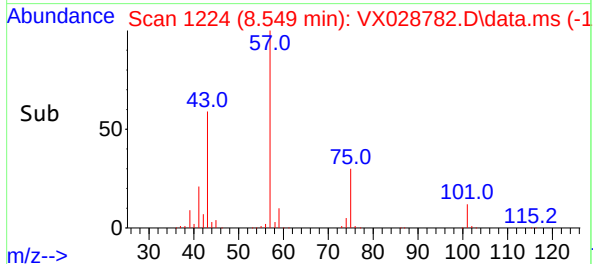
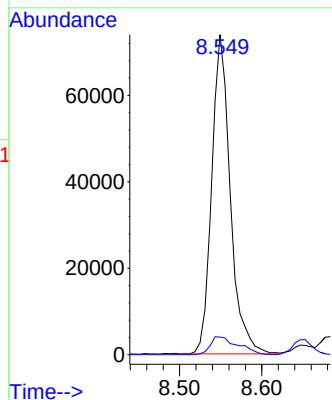
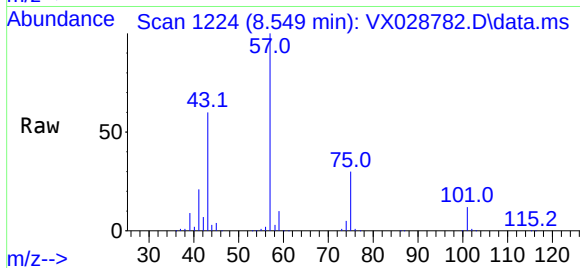
PB144875ZHE#01

Tgt Ion: 43 Resp: 115867

Ion Ratio Lower Upper

43 100

58 8.4 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.656 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX028782.D

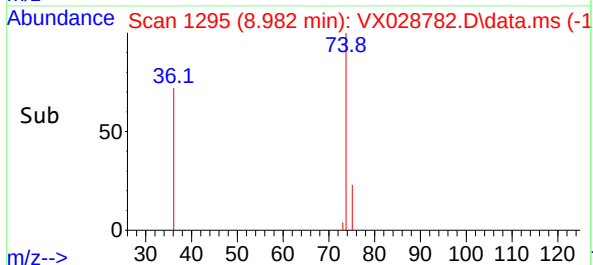
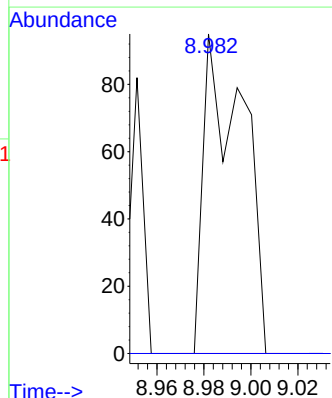
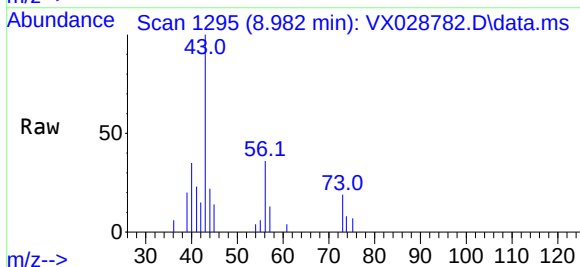
Acq: 18 May 2022 01:26

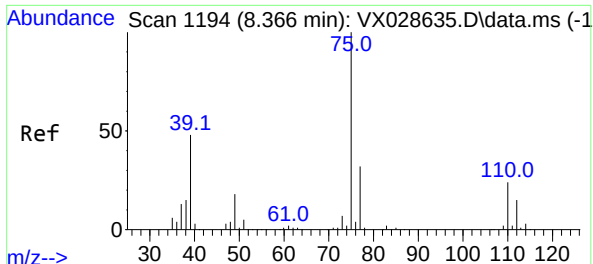
Tgt Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

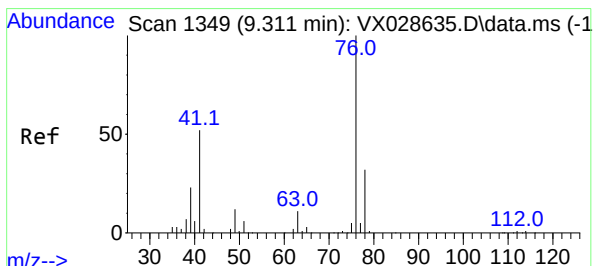
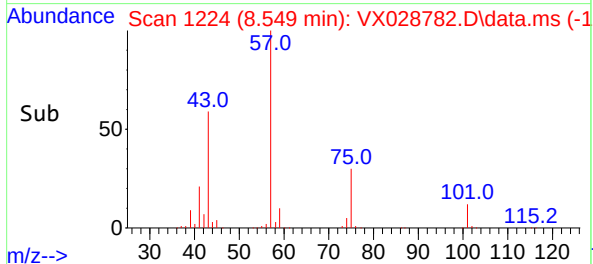
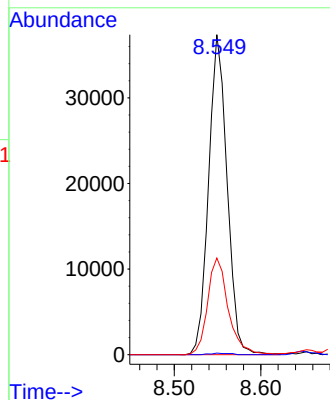
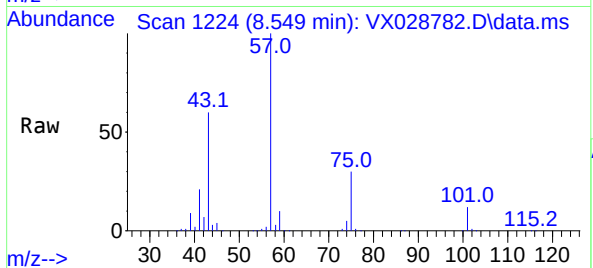




#54
 cis-1,3-Dichloropropene
 Concen: 8.185 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028782.D
 Acq: 18 May 2022 01:26

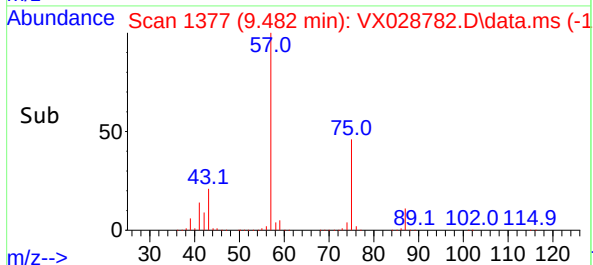
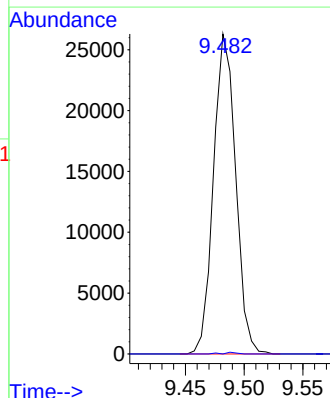
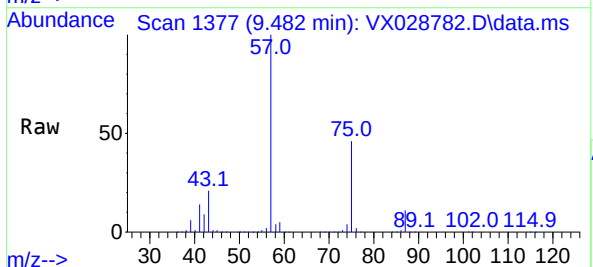
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144875ZHE#01

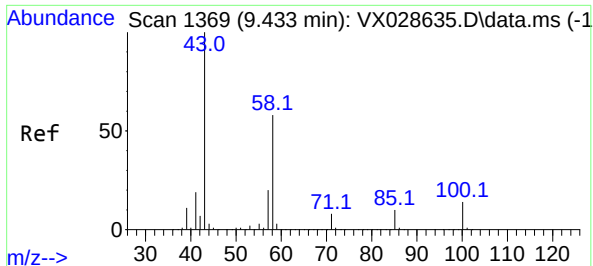
Tgt Ion: 75 Resp: 55423
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 30.2 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.487 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028782.D
 Acq: 18 May 2022 01:26

Tgt Ion: 76 Resp: 34537
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 86.548 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

Instrument :

MSVOA_X

ClientSampleId :

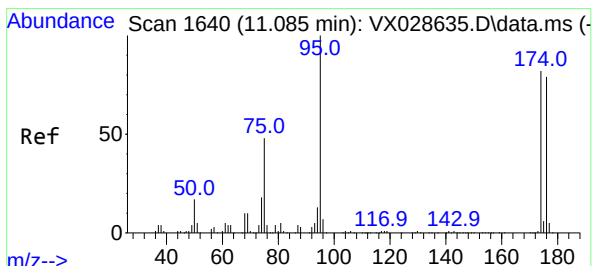
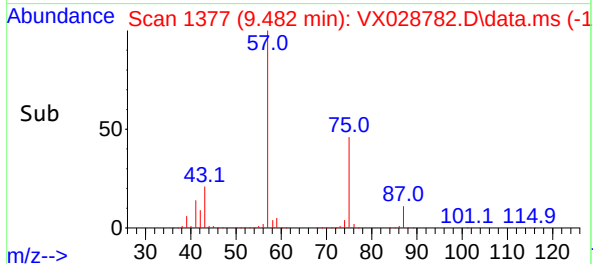
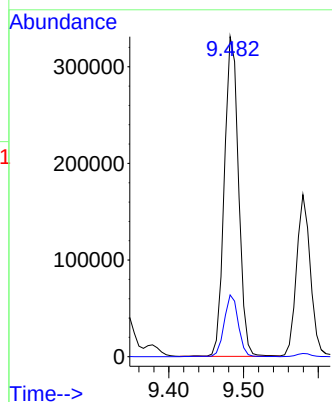
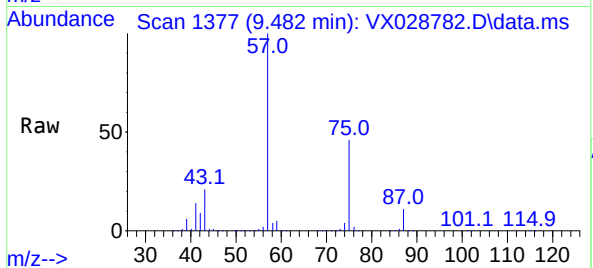
PB144875ZHE#01

Tgt Ion: 43 Resp: 438097

Ion Ratio Lower Upper

43 100

58 19.3 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 54.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028782.D

Acq: 18 May 2022 01:26

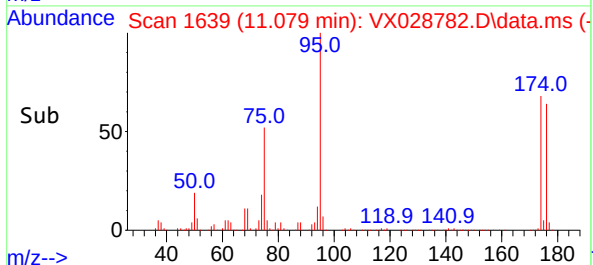
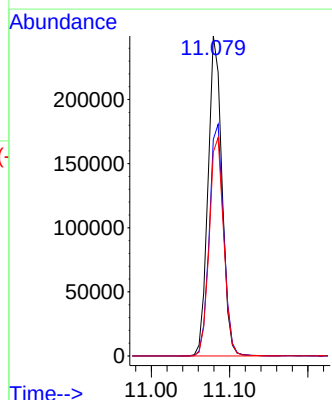
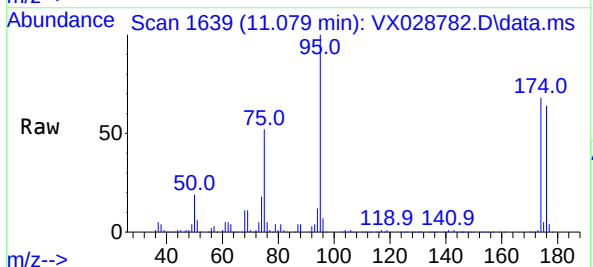
Tgt Ion: 95 Resp: 307501

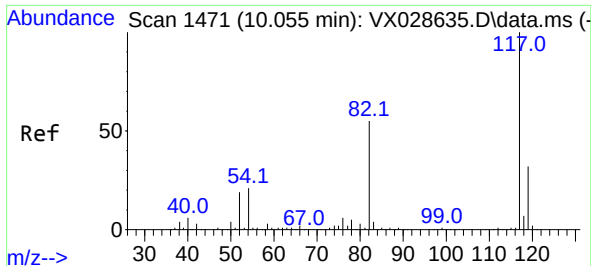
Ion Ratio Lower Upper

95 100

174 74.7 0.0 163.0

176 70.6 0.0 155.0

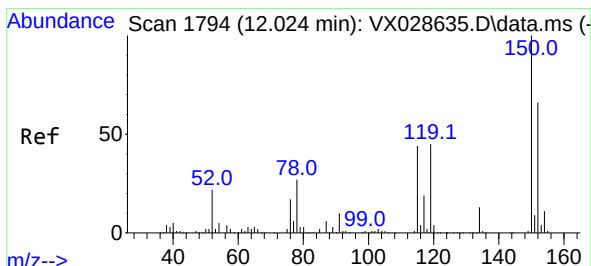
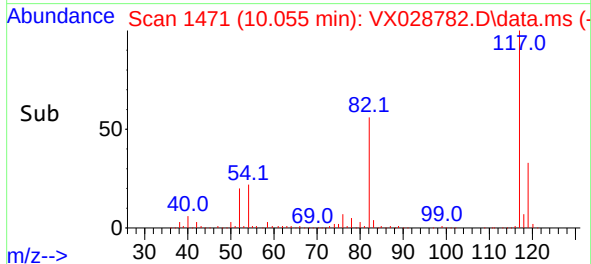
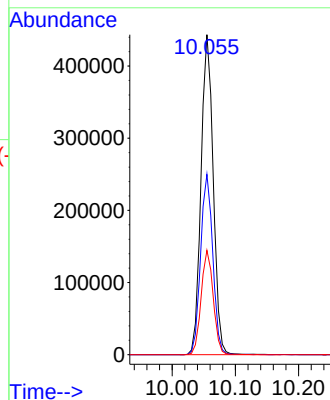
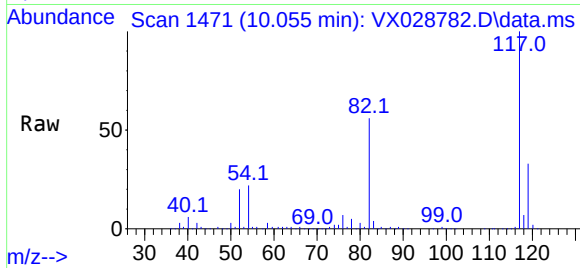




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

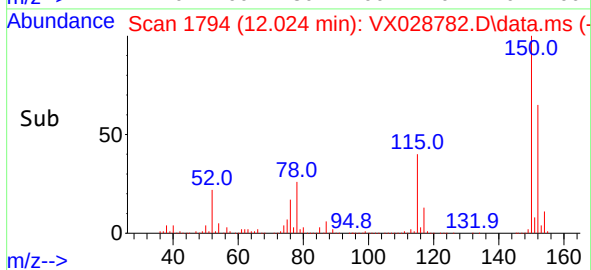
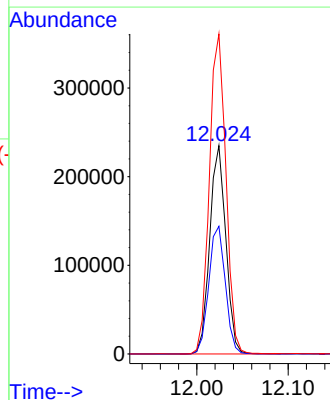
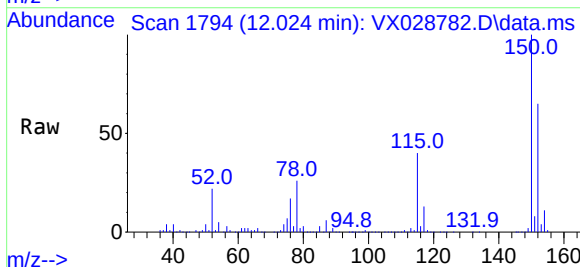
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

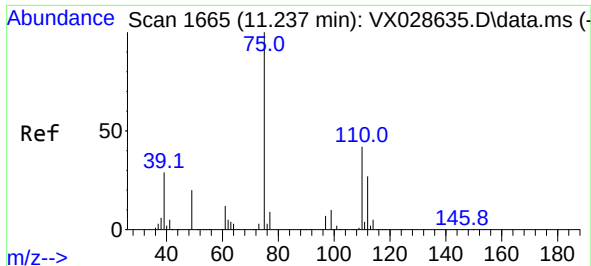
Tgt Ion:117 Resp: 596826
Ion Ratio Lower Upper
117 100
82 56.4 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

Tgt Ion:152 Resp: 287160
Ion Ratio Lower Upper
152 100
115 63.1 37.5 112.7
150 158.3 0.0 338.2

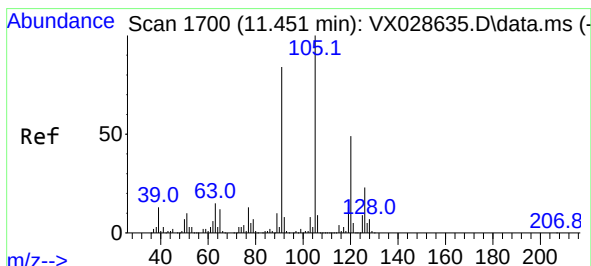
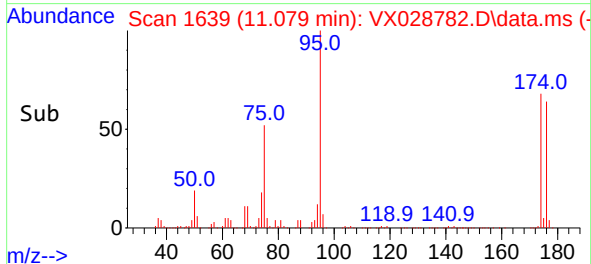
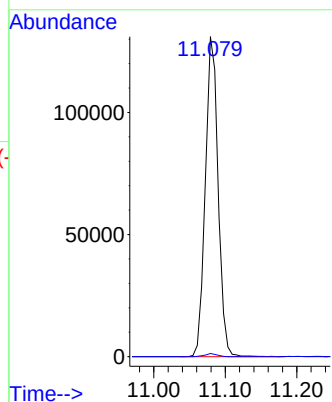
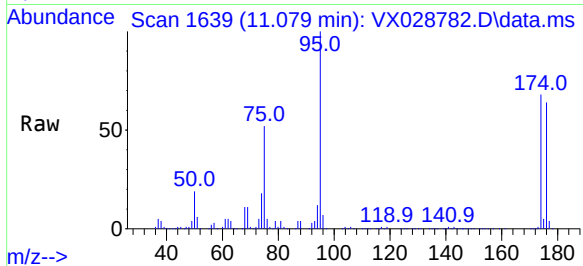




#76
1,2,3-Trichloropropane
Concen: 24.197 ug/l
RT: 11.079 min Scan# 1665
Delta R.T. -0.158 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

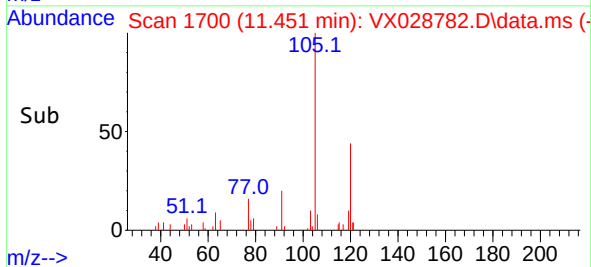
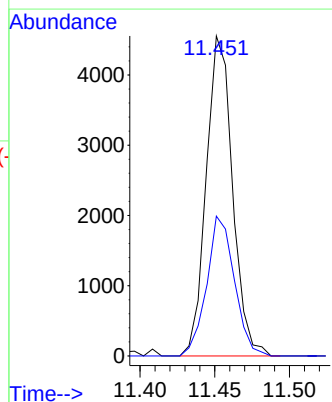
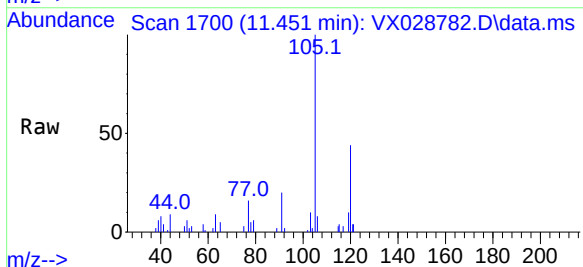
Instrument :
MSVOA_X
ClientSampleId :
PB144875ZHE#01

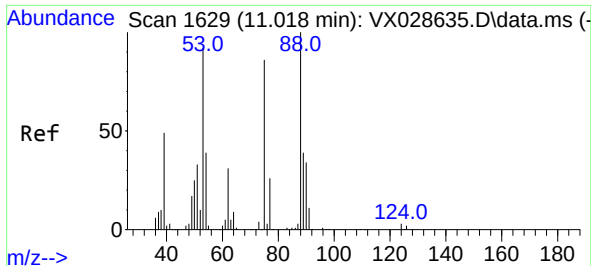
Tgt Ion: 75 Resp: 162723
Ion Ratio Lower Upper
75 100
77 0.9 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.307 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028782.D
Acq: 18 May 2022 01:26

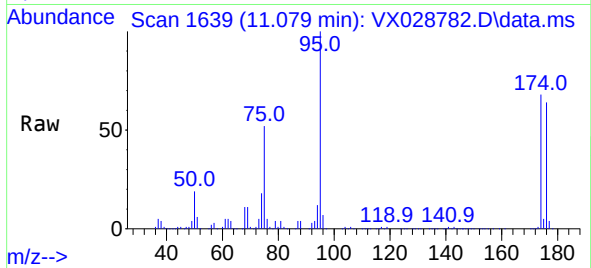
Tgt Ion:105 Resp: 5577
Ion Ratio Lower Upper
105 100
120 46.0 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.467 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028782.D
 Acq: 18 May 2022 01:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144875ZHE#01



Tgt Ion: 75 Resp: 162723
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

