

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028596.D
 Acq On : 10 May 2022 15:35
 Operator : JC/MD
 Sample : PB144702ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#09

Quant Time: May 11 07:01:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

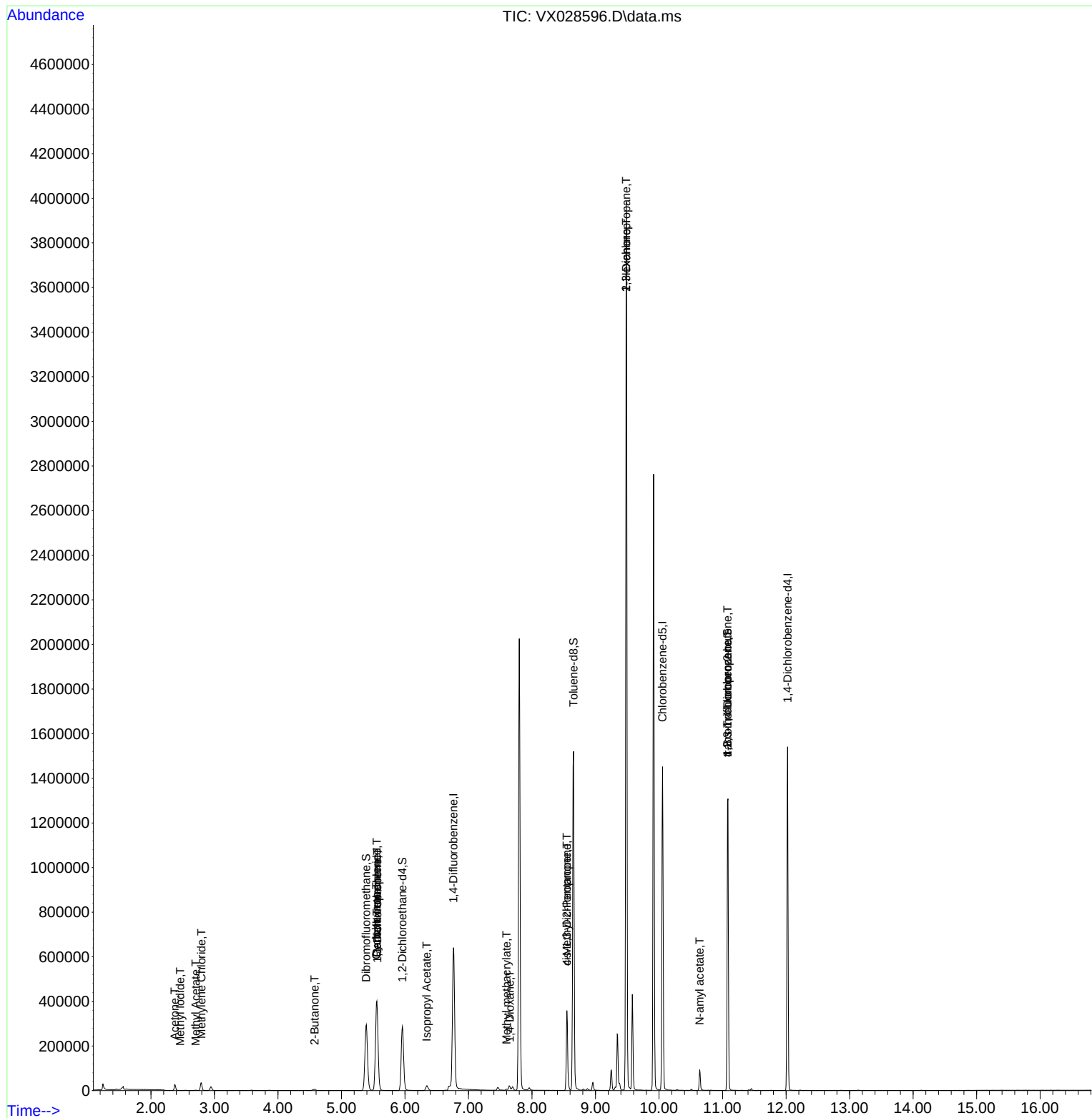
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	400002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	684330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	672065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	324373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	272442	52.236	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.480%	
35) Dibromofluoromethane	5.385	113	255340	53.205	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.420%	
50) Toluene-d8	8.653	98	935757	50.766	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	11.079	95	348488	49.446	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	368	Below Cal	#	77
5) Bromomethane	1.611	94	967	Below Cal		98
6) Chloroethane	1.672	64	458	Below Cal	#	76
8) Diethyl Ether	2.123	74	44	Below Cal	#	7
10) Methyl Iodide	2.459	142	272	5.289	ug/l #	70
11) Tert butyl alcohol	2.940	59	8587	Below Cal	#	75
16) Acetone	2.373	43	27785	16.136	ug/l	99
18) Methyl Acetate	2.703	43	2142	0.462	ug/l	91
20) Methylene Chloride	2.794	84	17309	4.473	ug/l	93
25) 2-Butanone	4.574	43	5698	1.845	ug/l #	84
31) Cyclohexane	5.550	56	7558	1.189	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	27621	4.412	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38800	5.490	ug/l #	16
43) Isopropyl Acetate	6.342	43	28959	2.801	ug/l	98
48) Methyl methacrylate	7.598	41	8347	1.759	ug/l #	7
49) 1,4-Dioxane	7.653	88	43	0.339	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	113421	17.097	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	60606	7.853	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38283	4.585	ug/l #	44
59) 2-Hexanone	9.482	43	434331	84.520	ug/l #	45
74) N-amyl acetate	10.640	43	20683	2.684	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	174279	27.300	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	174279	81.128	ug/l #	15

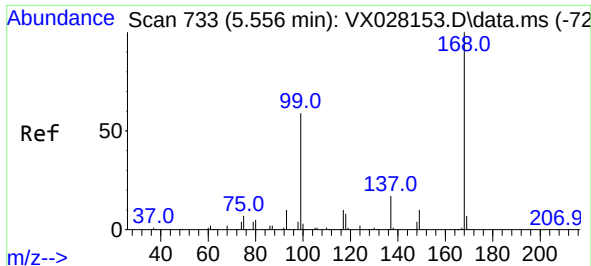
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
Data File : VX028596.D
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Sample : PB144702ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: May 11 07:01:11 2022
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Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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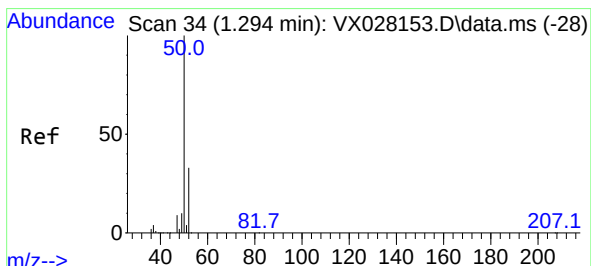
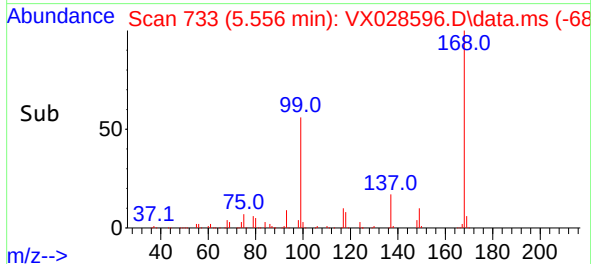
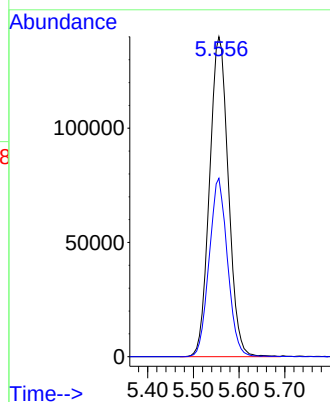
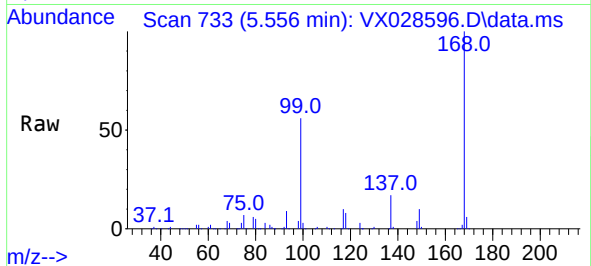




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

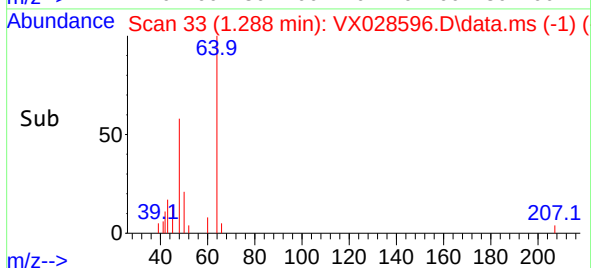
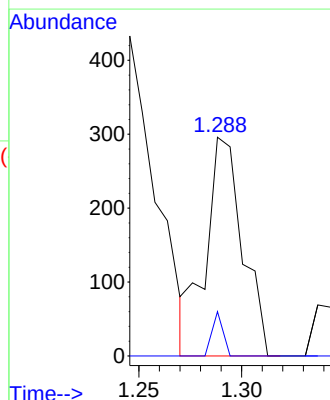
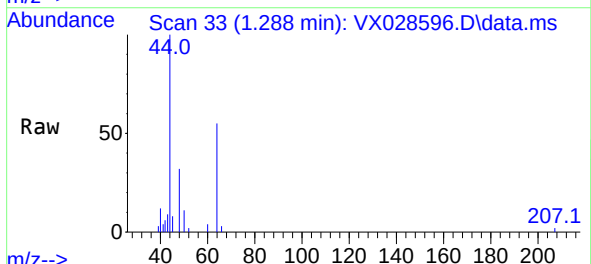
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

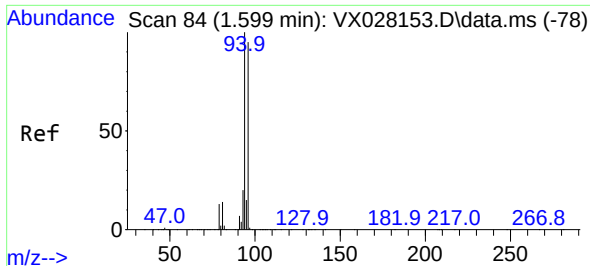
Tgt Ion:168 Resp: 400002
Ion Ratio Lower Upper
168 100
99 55.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 20.3 26.4 39.6#

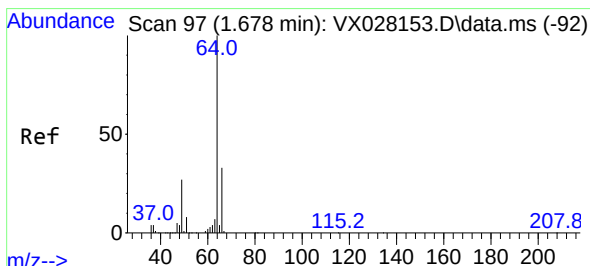
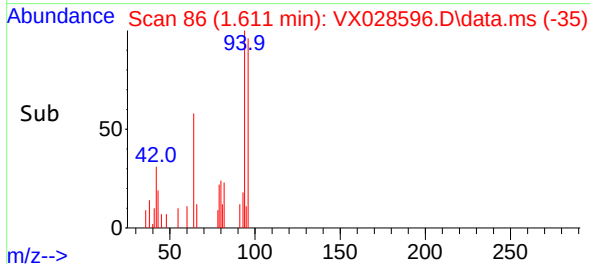
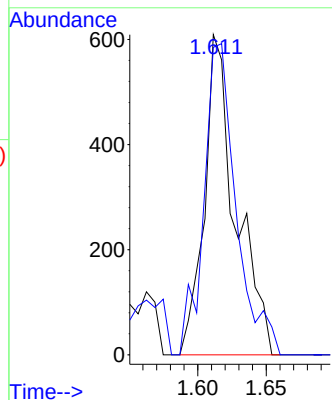
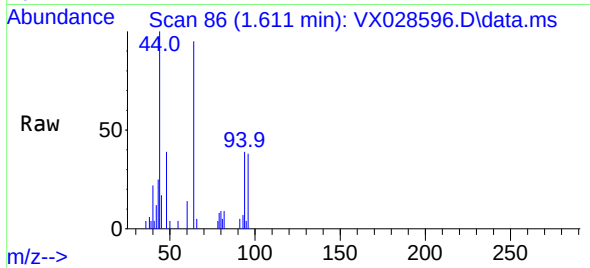




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

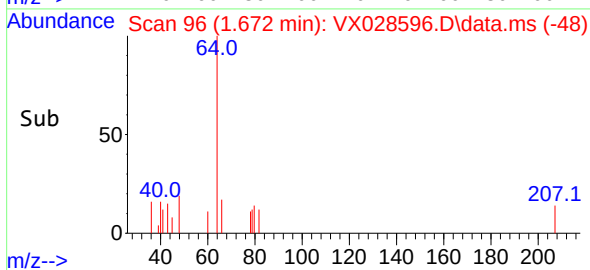
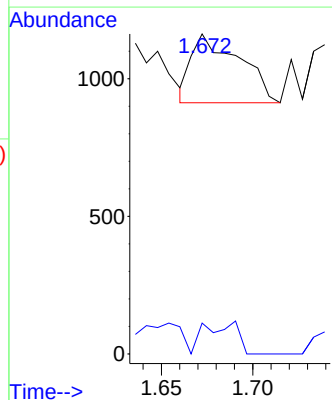
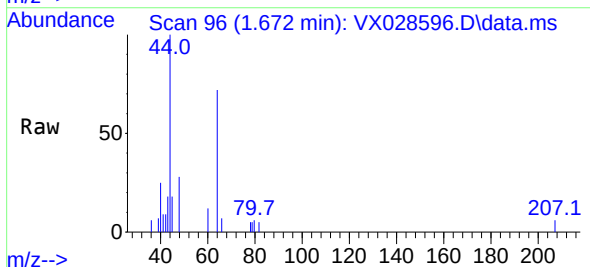
Instrument :
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ClientSampleId :
PB144702ZHE#09

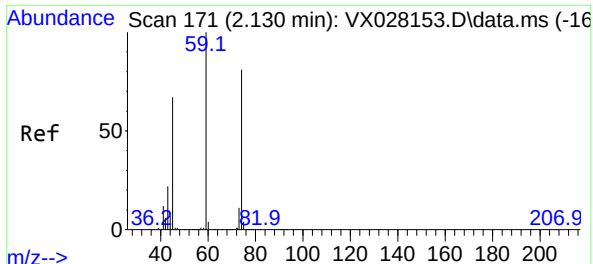
Tgt Ion: 94 Resp: 967
Ion Ratio Lower Upper
94 100
96 96.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 64 Resp: 458
Ion Ratio Lower Upper
64 100
66 44.8 25.3 37.9#

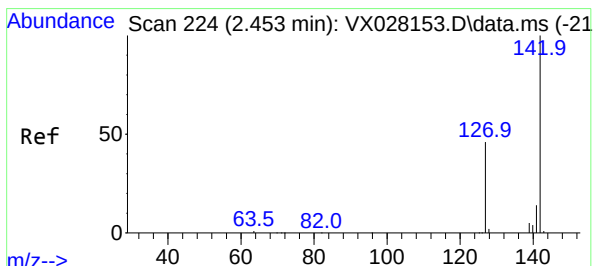
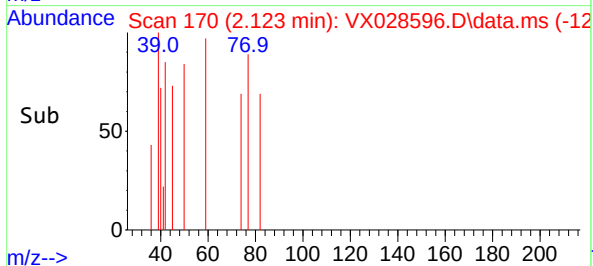
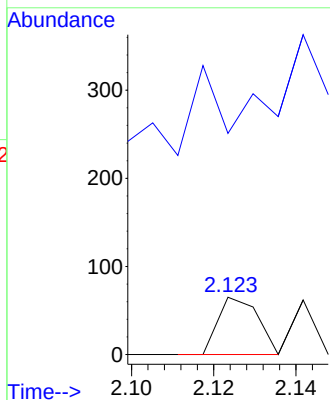
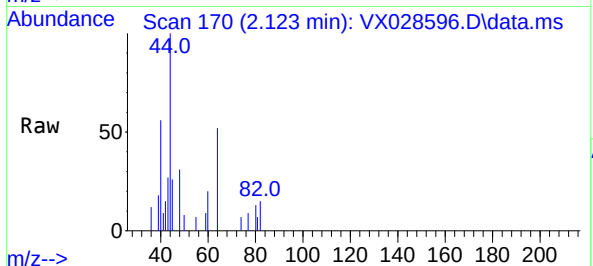




#8
Diethyl Ether
Concen: Below Cal
RT: 2.123 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

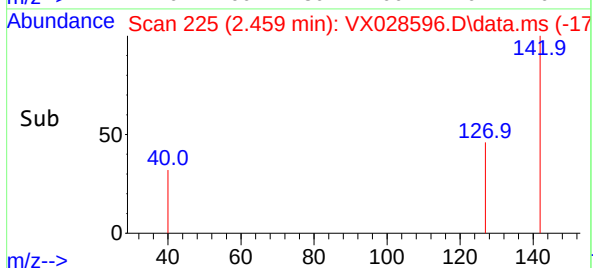
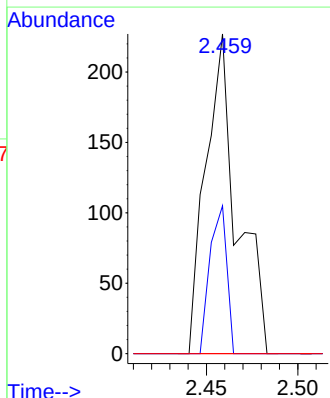
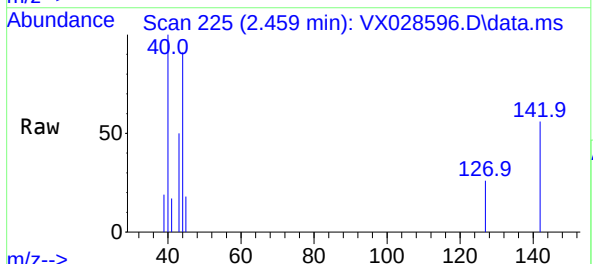
Instrument :
MSVOA_X
ClientSampleId :
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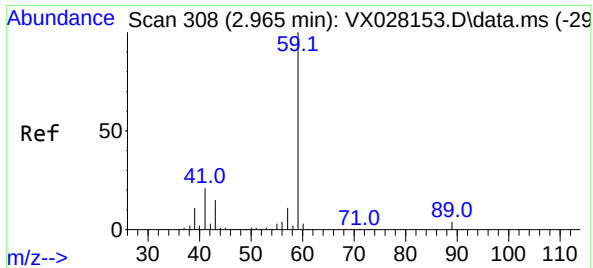
Tgt Ion: 74 Resp: 44
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.289 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion:142 Resp: 272
Ion Ratio Lower Upper
142 100
127 24.6 33.9 50.9#
141 0.0 11.4 17.2#

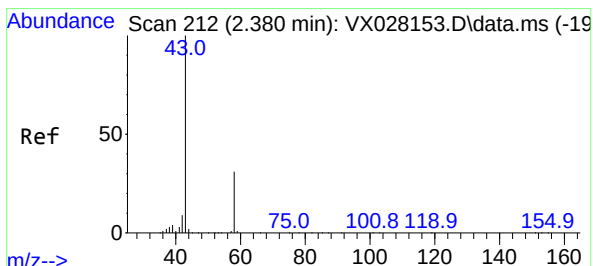
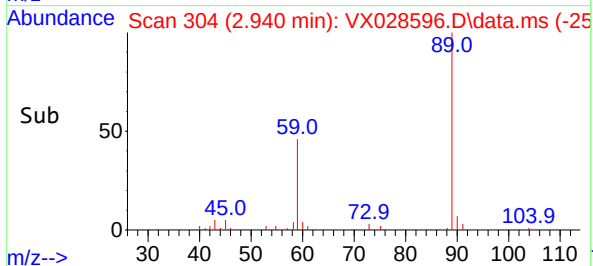
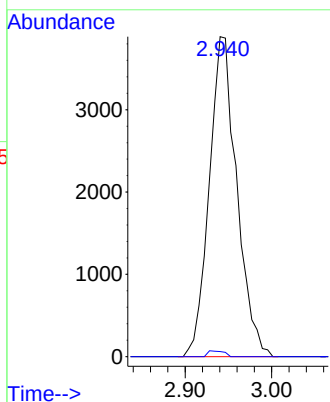
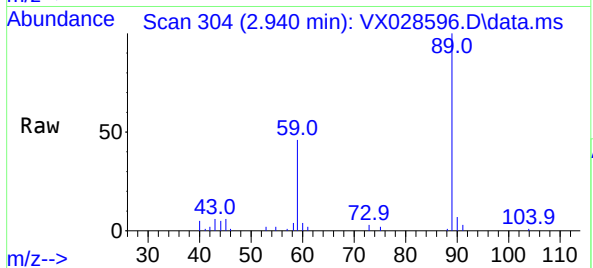




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

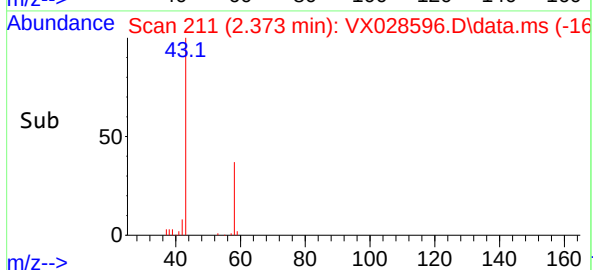
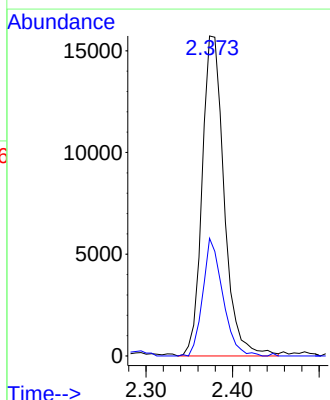
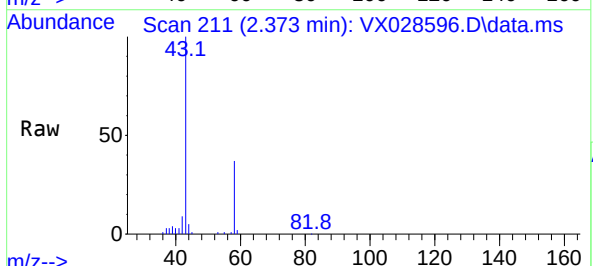
Instrument :
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ClientSampleId :
PB144702ZHE#09

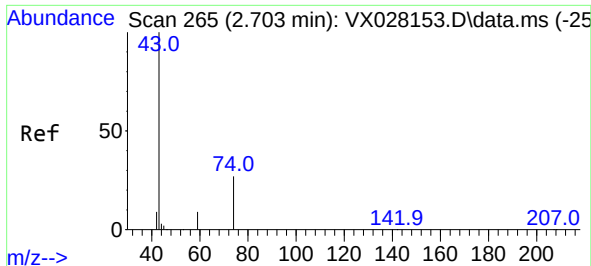
Tgt Ion: 59 Resp: 8587
Ion Ratio Lower Upper
59 100
57 1.1 8.3 12.5#



#16
Acetone
Concen: 16.136 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 43 Resp: 27785
Ion Ratio Lower Upper
43 100
58 36.7 28.8 43.2

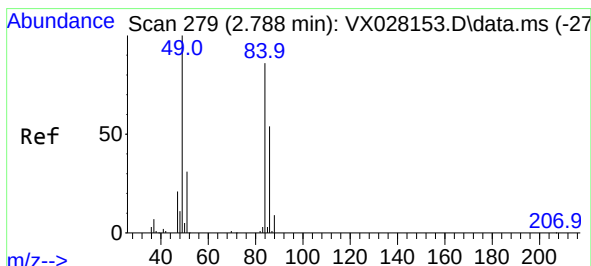
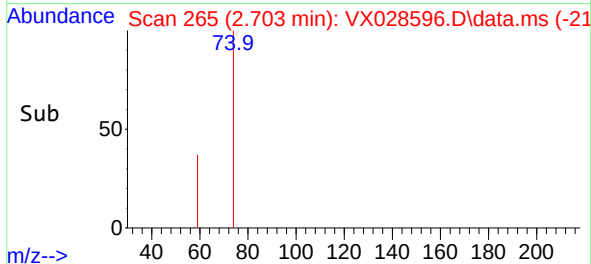
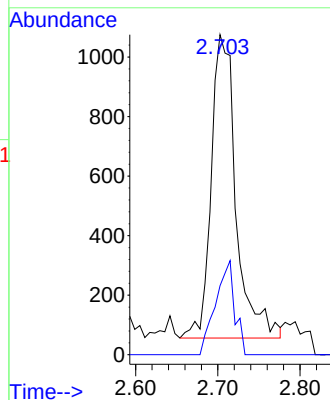
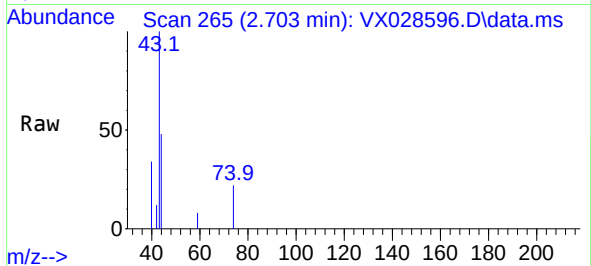




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 2.703 min Scan# 2142
Delta R.T. -0.000 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

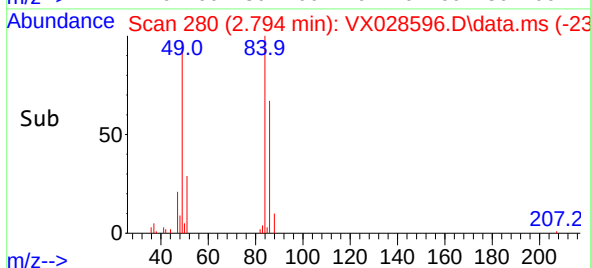
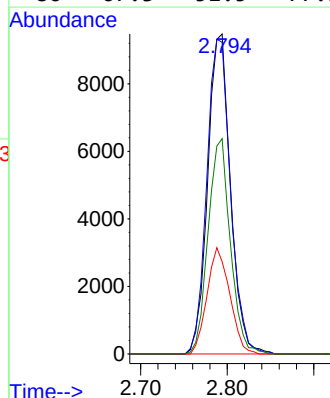
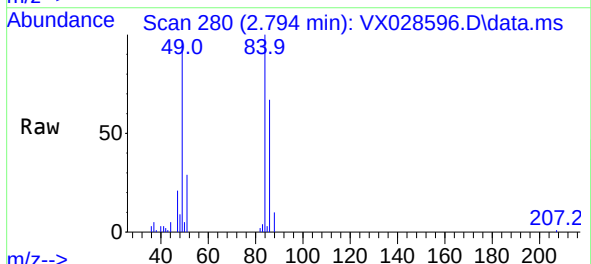
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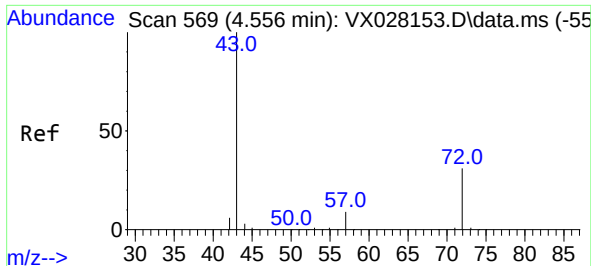
Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
74 23.8 22.8 34.2



#20
Methylene Chloride
Concen: 4.473 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 84 Resp: 17309
Ion Ratio Lower Upper
84 100
49 97.4 85.5 128.3
51 28.8 26.6 39.8
86 67.3 51.5 77.3

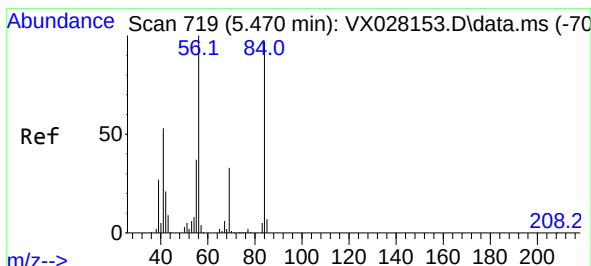
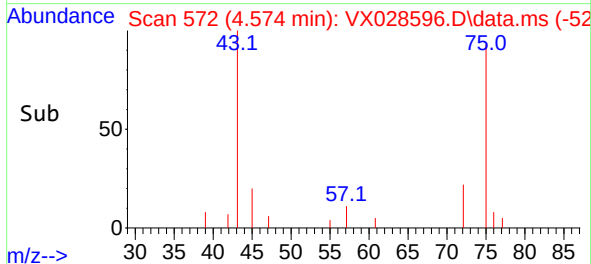
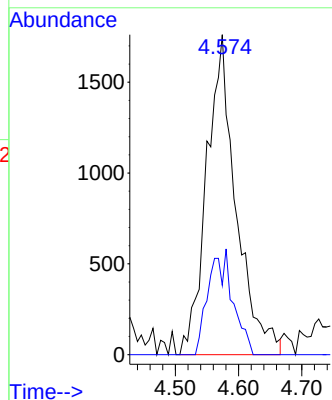
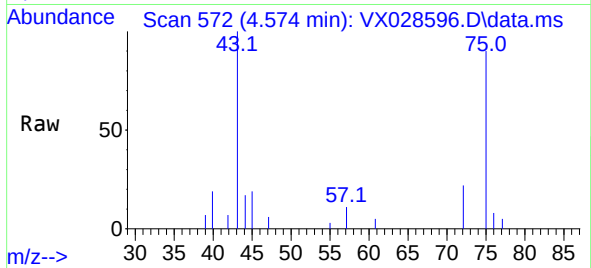




#25
2-Butanone
Concen: 1.845 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

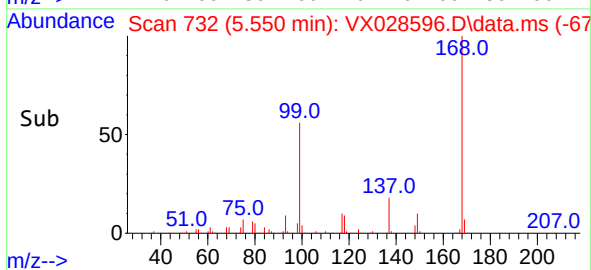
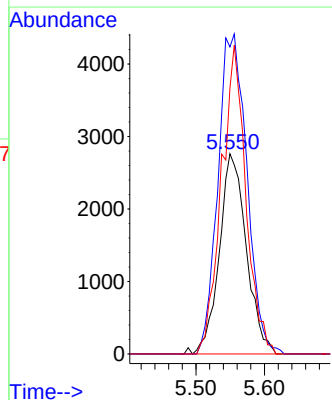
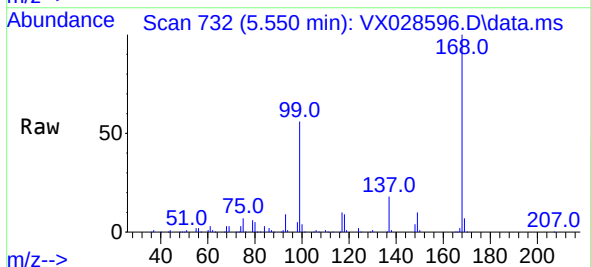
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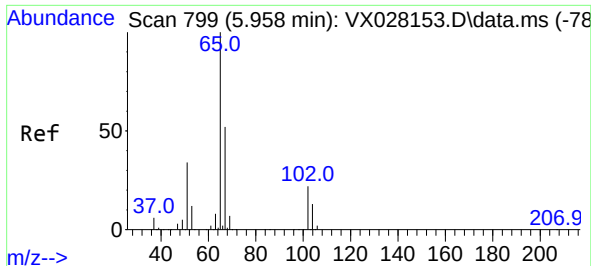
Tgt Ion: 43 Resp: 5698
Ion Ratio Lower Upper
43 100
72 21.7 24.4 36.6#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 56 Resp: 7558
Ion Ratio Lower Upper
56 100
69 153.4 26.7 40.1#
84 132.9 77.2 115.8#

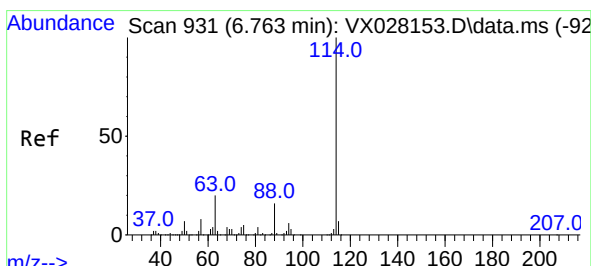
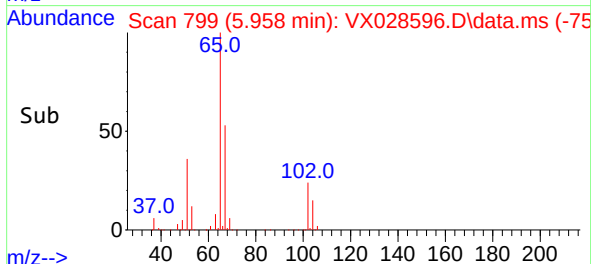
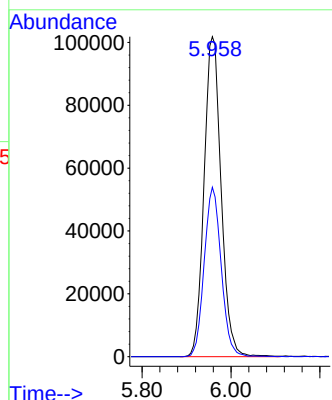
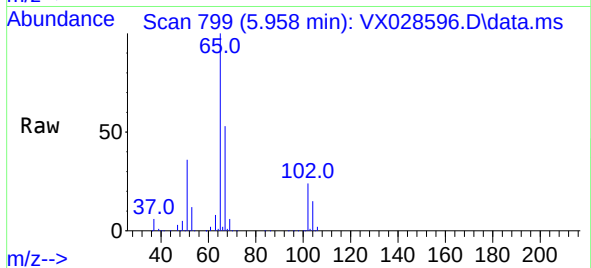




#33
 1,2-Dichloroethane-d4
 Concen: 52.236 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028596.D
 Acq: 10 May 2022 15:35

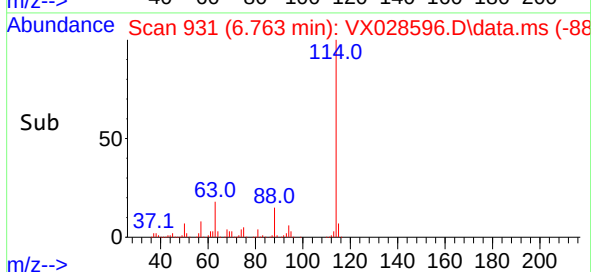
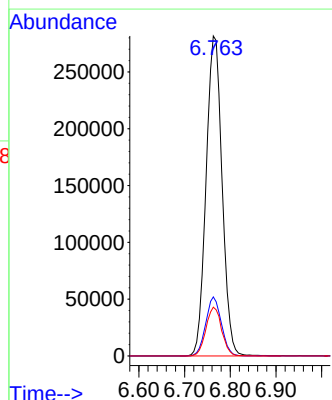
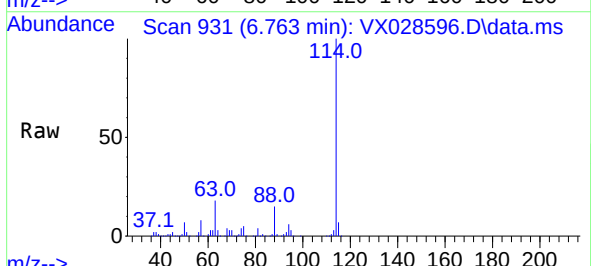
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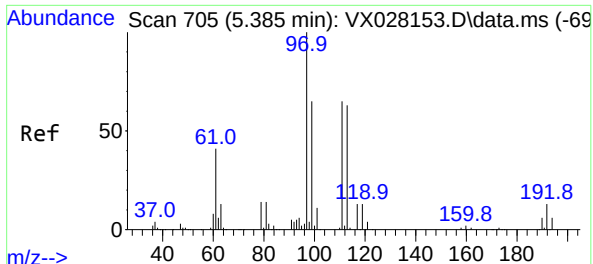
Tgt Ion: 65 Resp: 272442
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028596.D
 Acq: 10 May 2022 15:35

Tgt Ion: 114 Resp: 684330
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 15.2 0.0 32.4

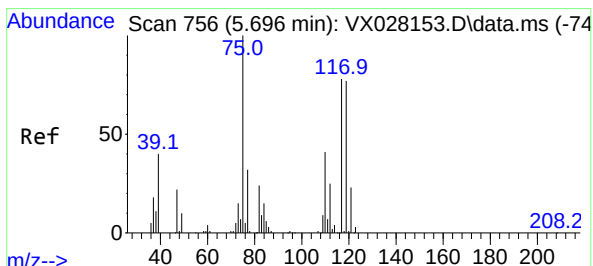
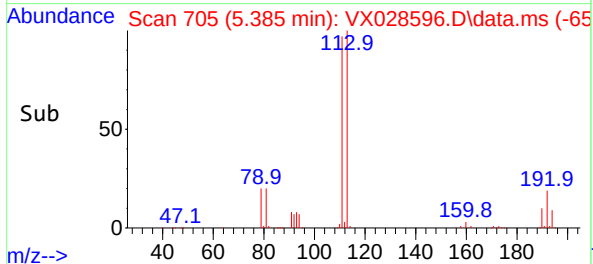
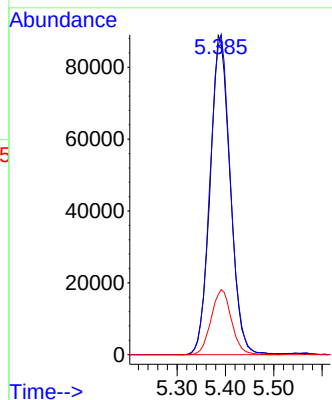
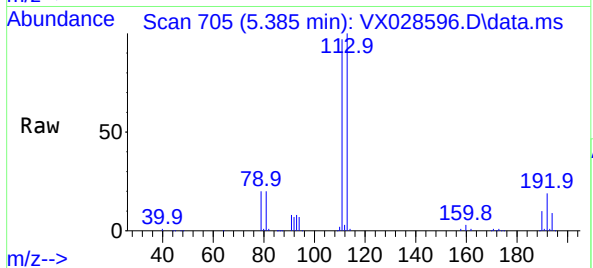




#35
Dibromofluoromethane
Concen: 53.205 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

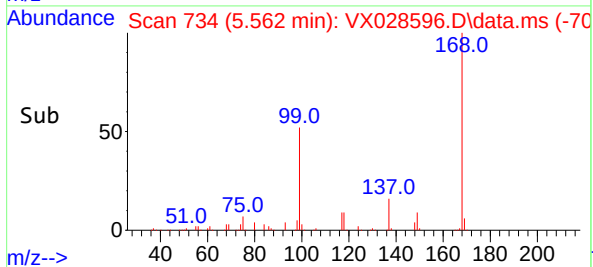
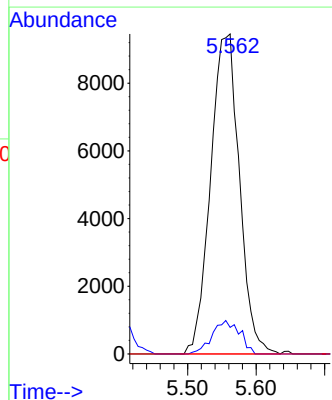
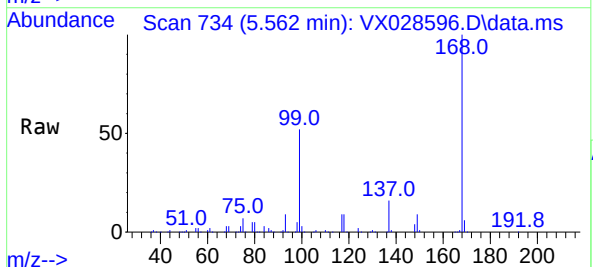
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

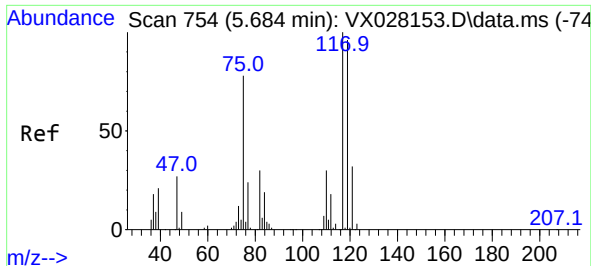
Tgt Ion:113 Resp: 255340
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

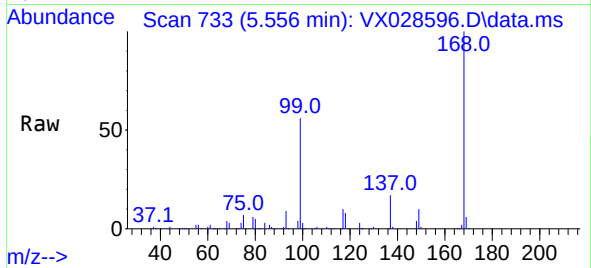
Tgt Ion: 75 Resp: 27621
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



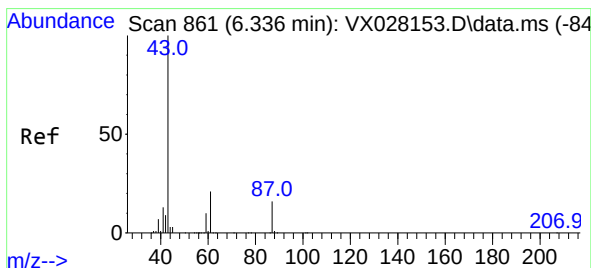
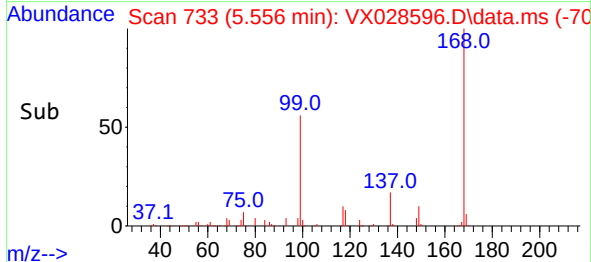
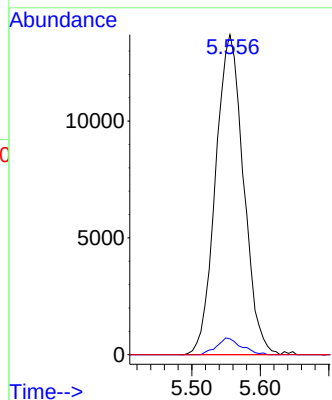


#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

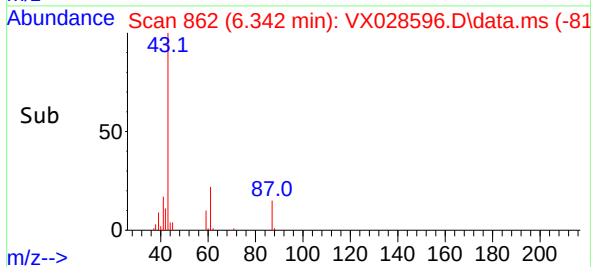
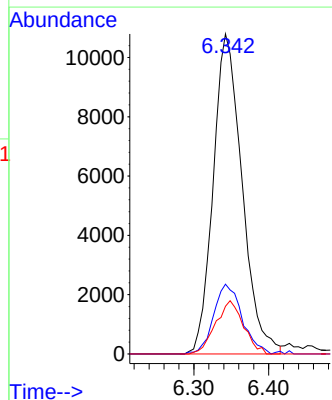
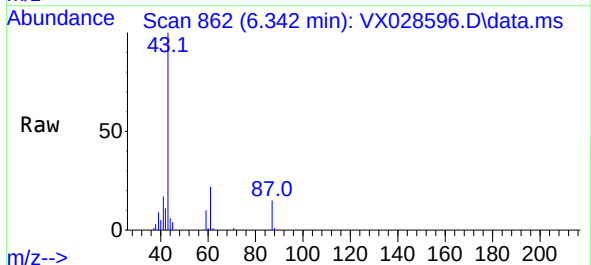


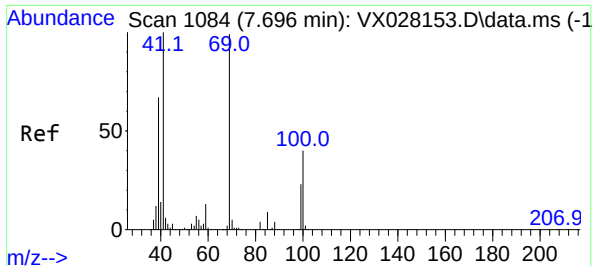
Tgt Ion:117 Resp: 38800
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.801 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 43 Resp: 28959
Ion Ratio Lower Upper
43 100
61 21.5 18.5 27.7
87 16.1 13.0 19.6

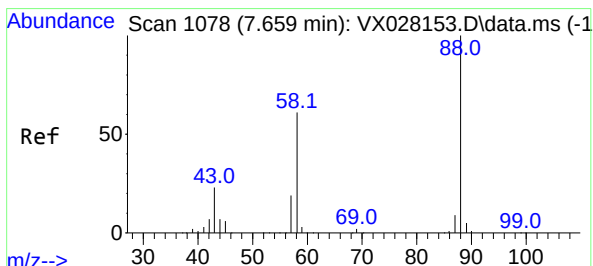
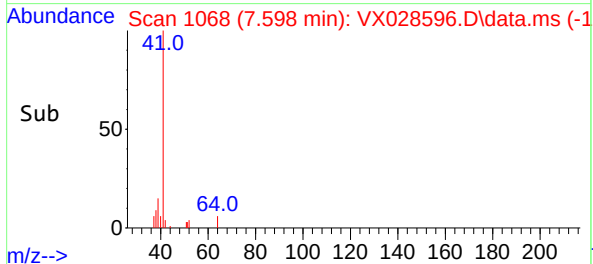
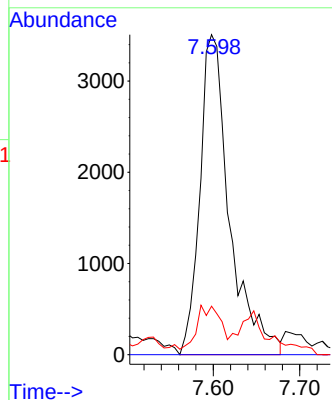
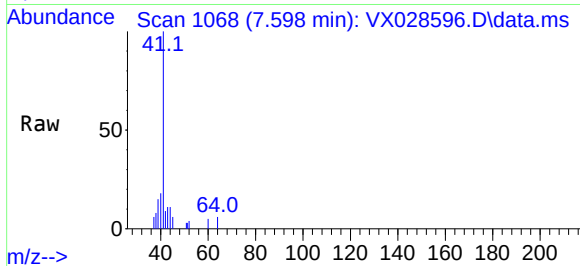




#48
Methyl methacrylate
Concen: 1.759 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

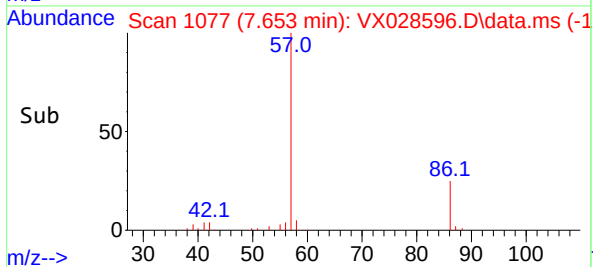
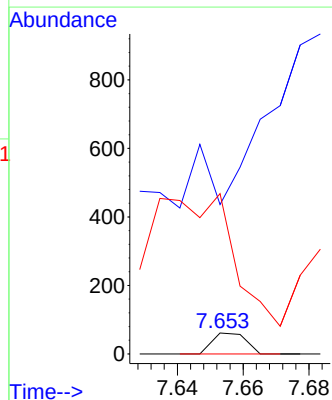
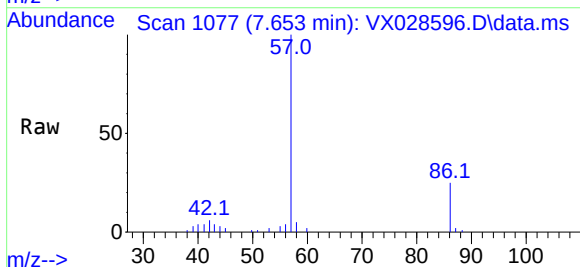
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

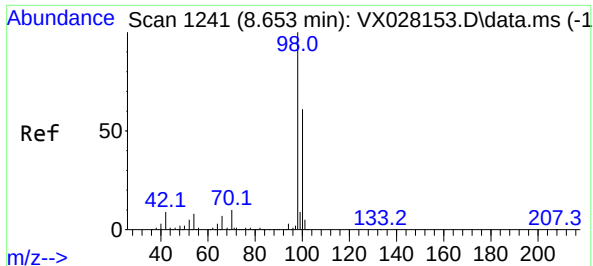
Tgt Ion: 41 Resp: 8347
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 0.339 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.006 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 2158.1 53.7 80.5#





#50

Toluene-d8

Concen: 50.766 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028596.D

Acq: 10 May 2022 15:35

Instrument :

MSVOA_X

ClientSampleId :

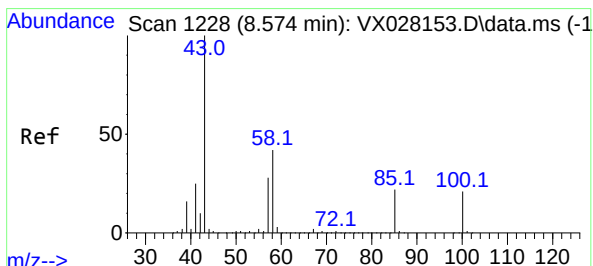
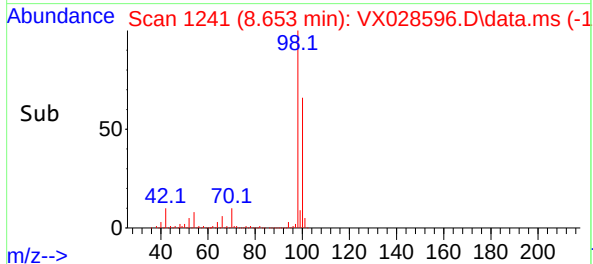
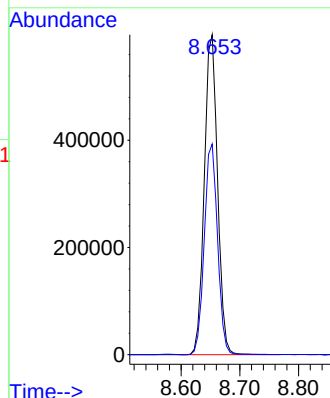
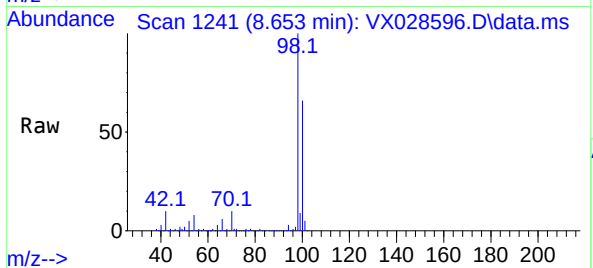
PB144702ZHE#09

Tgt Ion: 98 Resp: 935757

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 17.097 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX028596.D

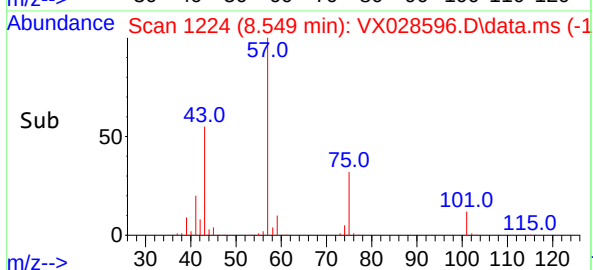
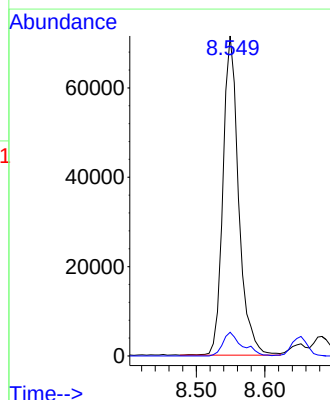
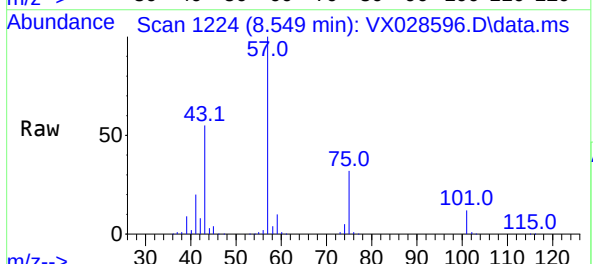
Acq: 10 May 2022 15:35

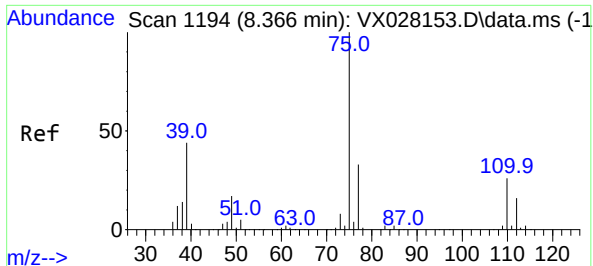
Tgt Ion: 43 Resp: 113421

Ion Ratio Lower Upper

43 100

58 9.2 36.1 54.1#

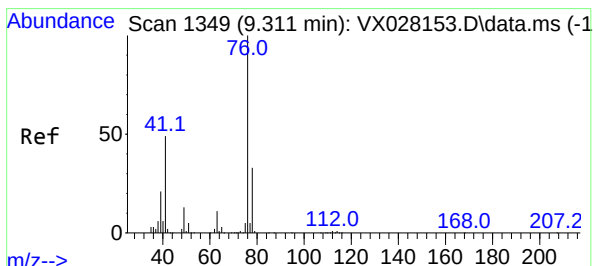
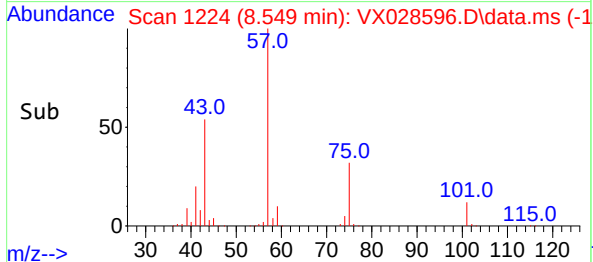
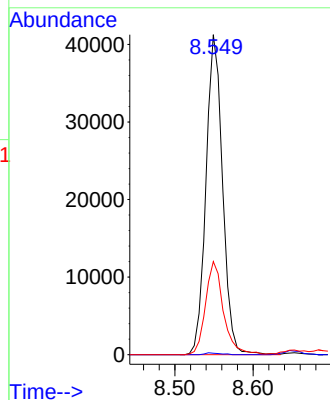
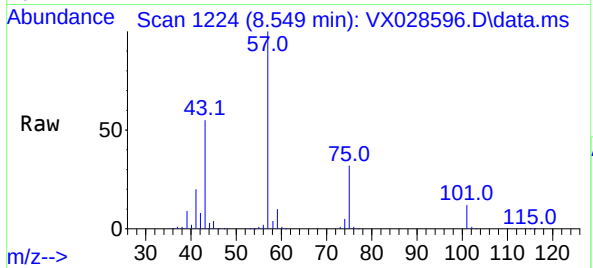




#54
 cis-1,3-Dichloropropene
 Concen: 7.853 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028596.D
 Acq: 10 May 2022 15:35

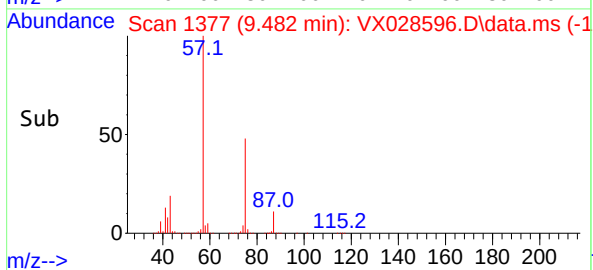
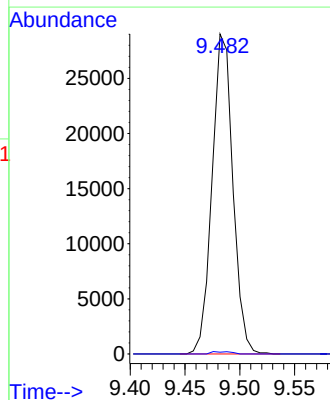
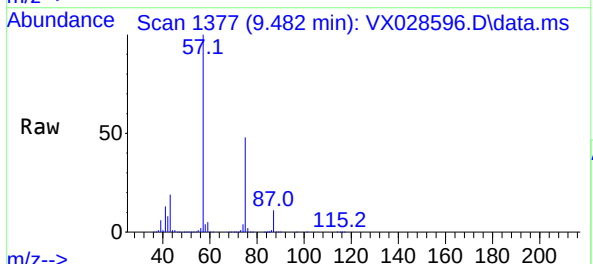
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#09

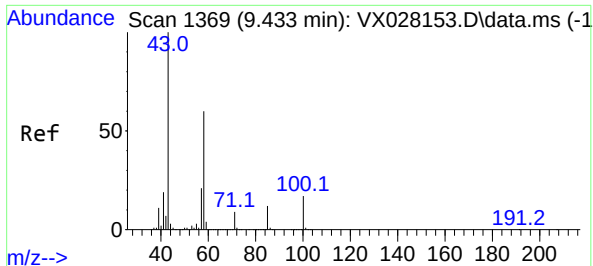
Tgt Ion: 75 Resp: 60606
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 29.1 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.585 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028596.D
 Acq: 10 May 2022 15:35

Tgt Ion: 76 Resp: 38283
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.8 38.8#





#59

2-Hexanone

Concen: 84.520 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028596.D

Acq: 10 May 2022 15:35

Instrument :

MSVOA_X

ClientSampleId :

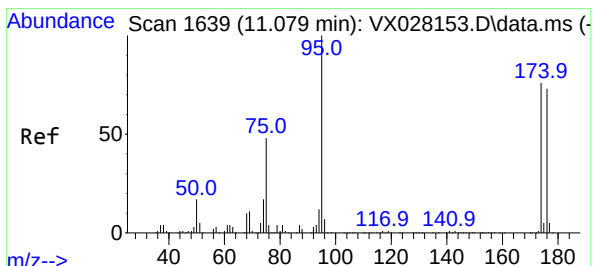
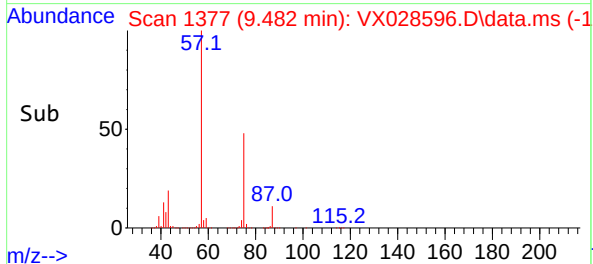
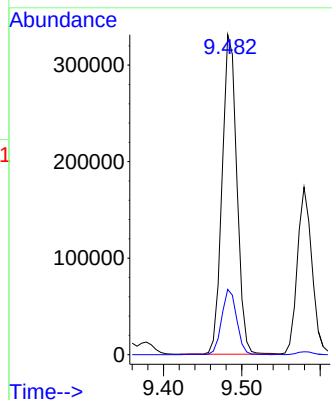
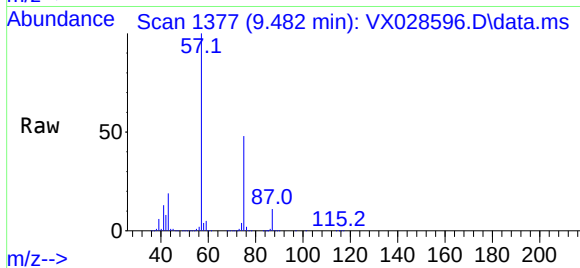
PB144702ZHE#09

Tgt Ion: 43 Resp: 434331

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.446 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028596.D

Acq: 10 May 2022 15:35

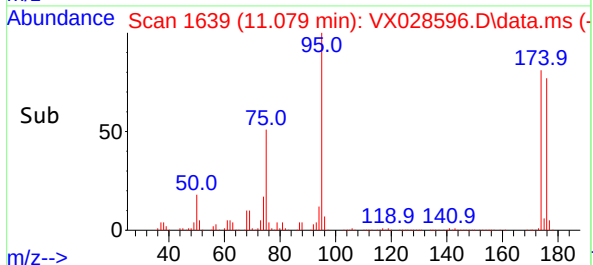
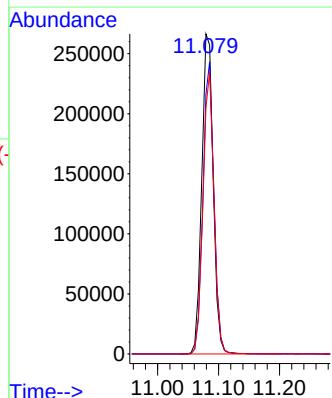
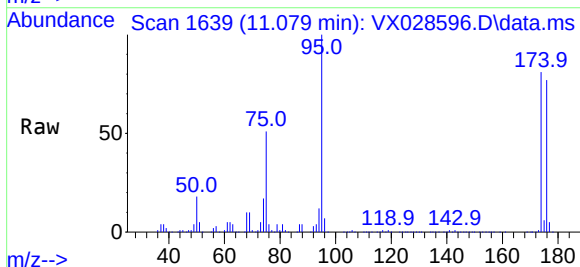
Tgt Ion: 95 Resp: 348488

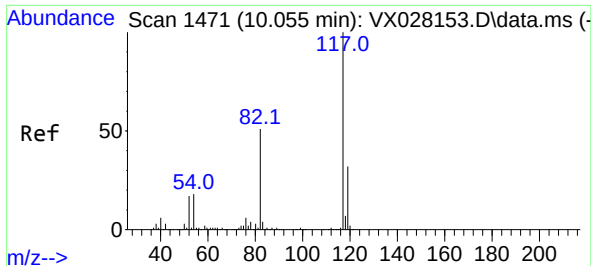
Ion Ratio Lower Upper

95 100

174 87.8 0.0 163.0

176 84.4 0.0 155.0

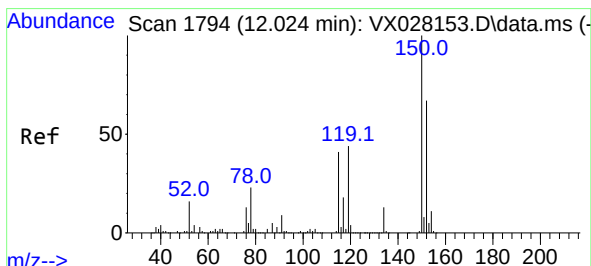
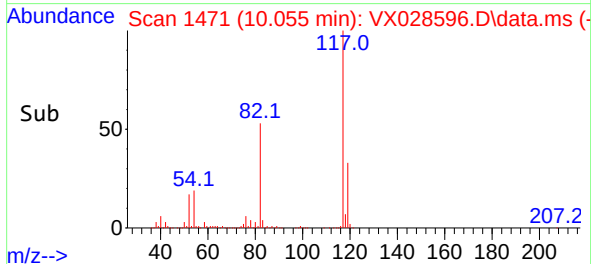
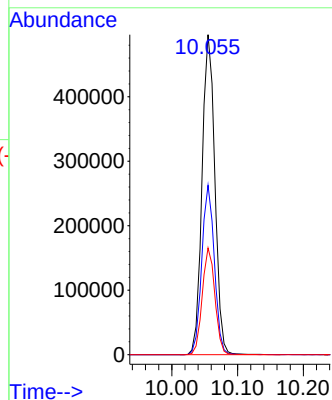
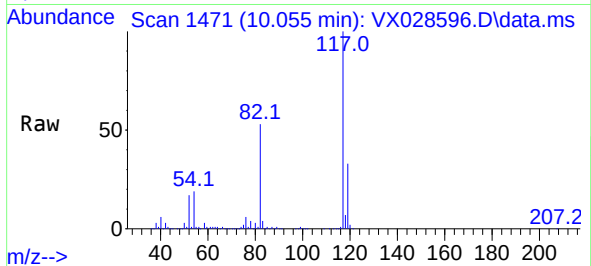




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

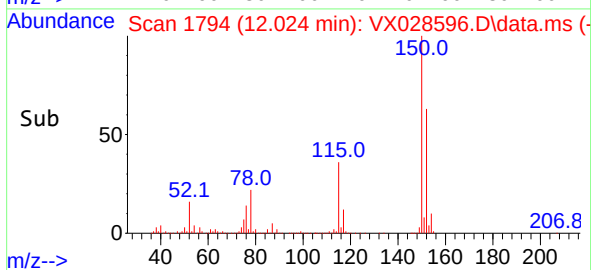
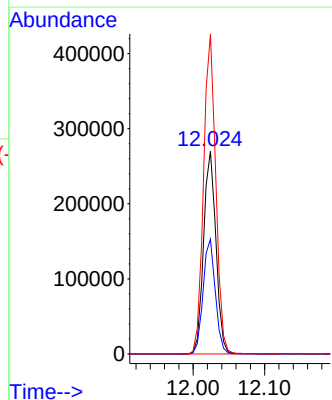
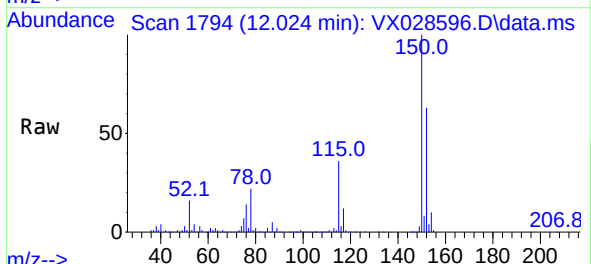
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

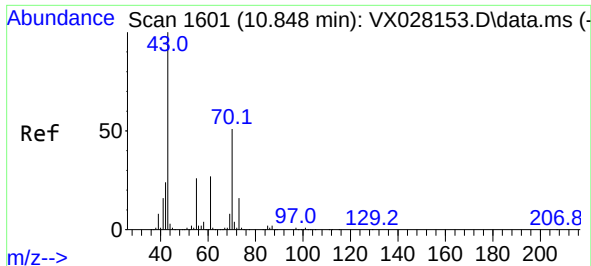
Tgt Ion:117 Resp: 672065
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 33.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

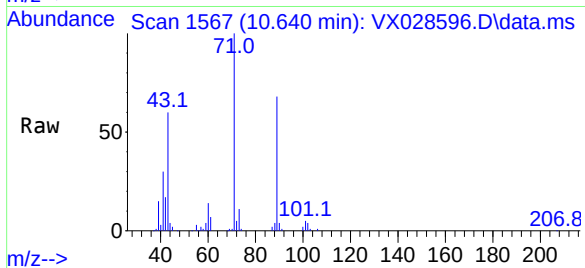
Tgt Ion:152 Resp: 324373
Ion Ratio Lower Upper
152 100
115 56.1 37.5 112.7
150 156.0 0.0 338.2



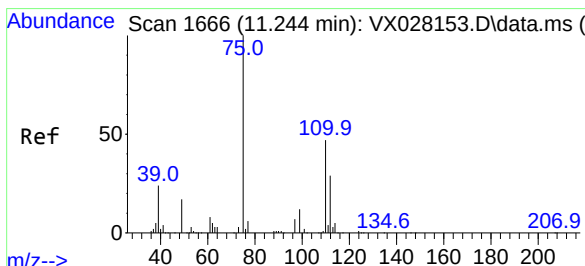
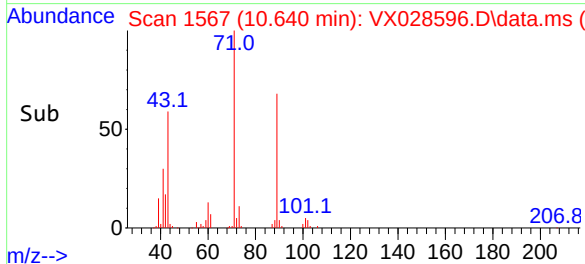
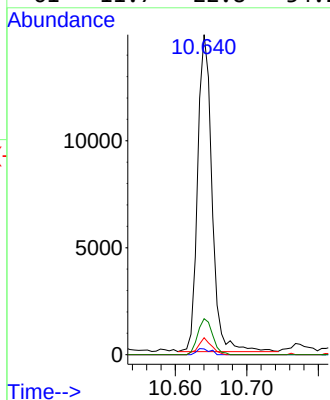


#74
N-amy1 acetate
Concen: 2.684 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#09

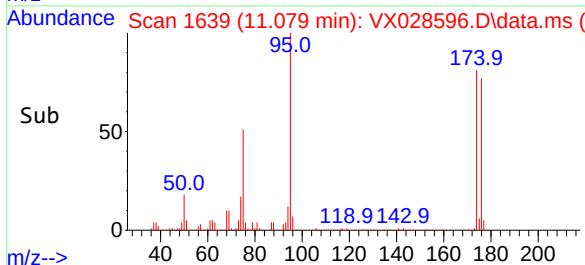
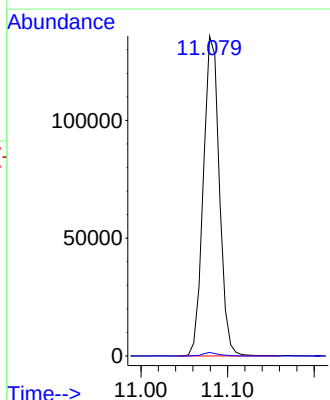
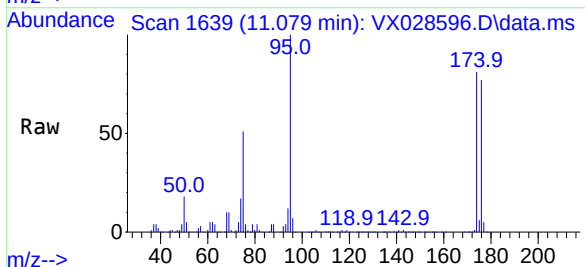


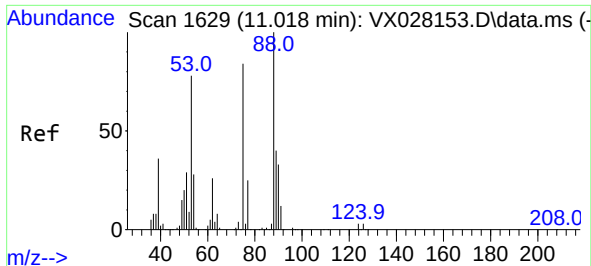
Tgt Ion: 43 Resp: 20683
Ion Ratio Lower Upper
43 100
70 1.8 42.5 63.7#
55 4.8 23.1 34.7#
61 11.7 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028596.D
Acq: 10 May 2022 15:35

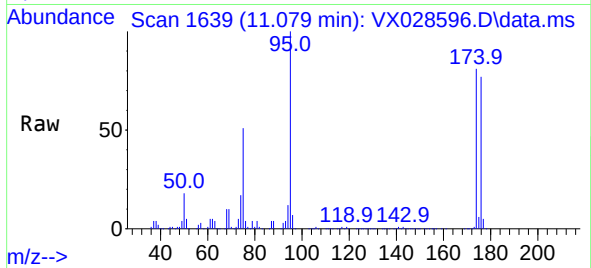
Tgt Ion: 75 Resp: 174279
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.128 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028596.D
 Acq: 10 May 2022 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#09



Tgt Ion: 75 Resp: 174279
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

