

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028465.D
 Acq On : 30 Apr 2022 08:05
 Operator : JC/MD
 Sample : N2616-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20S

Quant Time: Apr 30 09:25:59 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

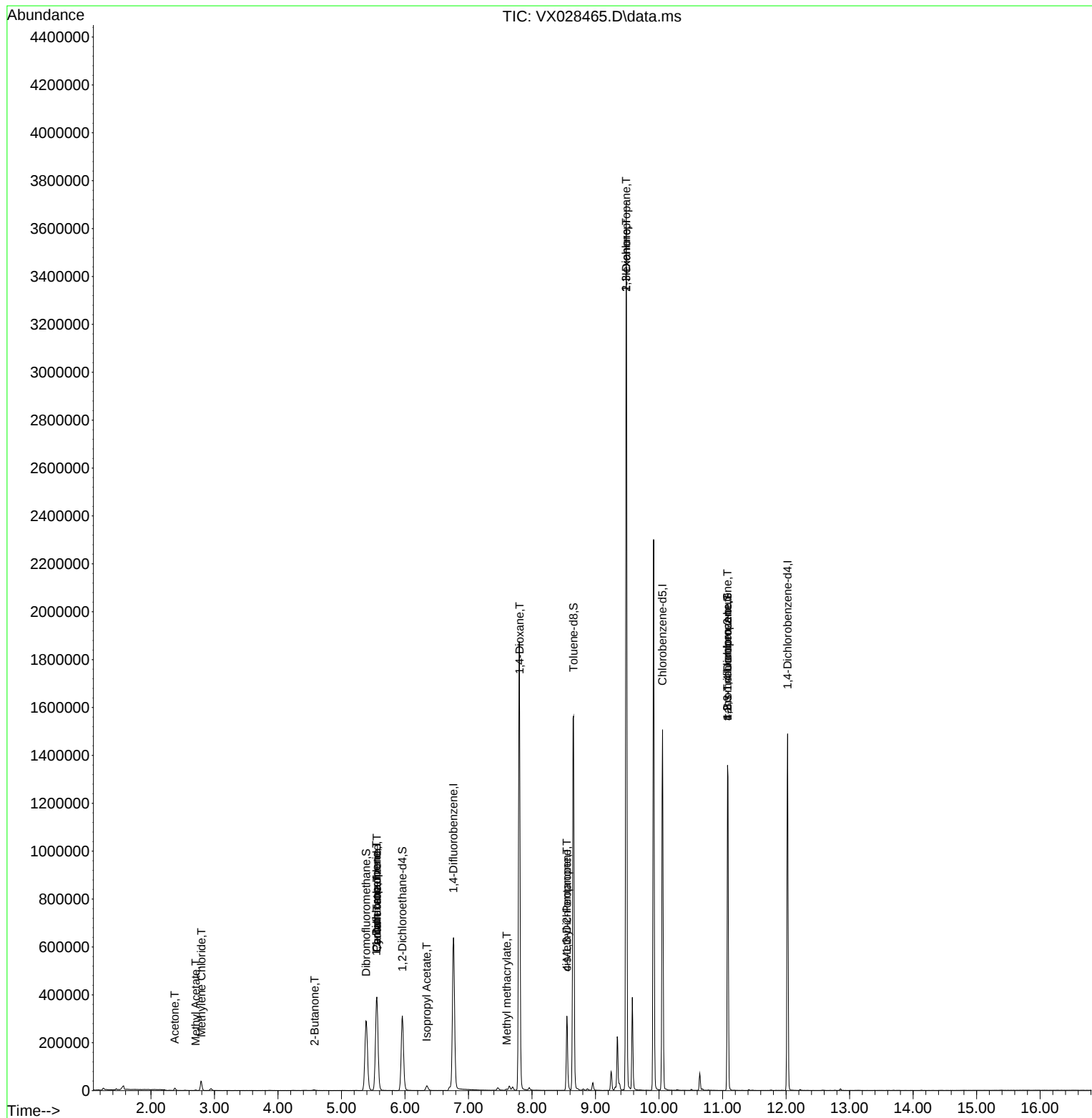
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	374649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	672865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	696078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	286989	58.749	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	117.500%	
35) Dibromofluoromethane	5.385	113	254405	53.914	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	107.820%	
50) Toluene-d8	8.653	98	966030	53.302	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	106.600%	
62) 4-Bromofluorobenzene	11.079	95	355643	51.321	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	102.640%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	341	Below Cal	#	82
5) Bromomethane	1.612	94	687	Below Cal	#	66
6) Chloroethane	1.715	64	209	Below Cal	#	43
8) Diethyl Ether	2.136	74	89	Below Cal	#	7
11) Tert butyl alcohol	2.947	59	4526	Below Cal	#	73
16) Acetone	2.374	43	10220	5.484	ug/l	90
18) Methyl Acetate	2.703	43	2703	0.622	ug/l	91
20) Methylene Chloride	2.794	84	18774	5.180	ug/l	95
25) 2-Butanone	4.574	43	4111	1.421	ug/l	99
31) Cyclohexane	5.556	56	7286	1.224	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	28708	4.664	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38009	5.470	ug/l #	15
43) Isopropyl Acetate	6.342	43	26757	2.632	ug/l	95
48) Methyl methacrylate	7.604	41	8111	1.738	ug/l #	7
49) 1,4-Dioxane	7.806	88	298	2.387	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	99839	15.306	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	52762	6.953	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	34417	4.193	ug/l #	44
59) 2-Hexanone	9.482	43	386586	76.511	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	176753	28.201	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	176753	83.806	ug/l #	15

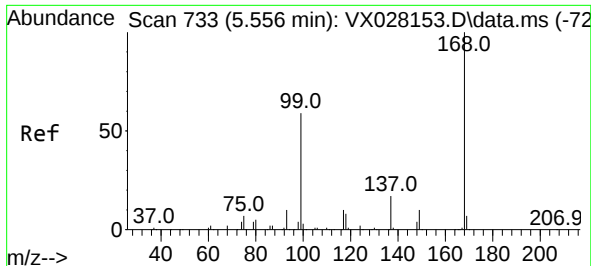
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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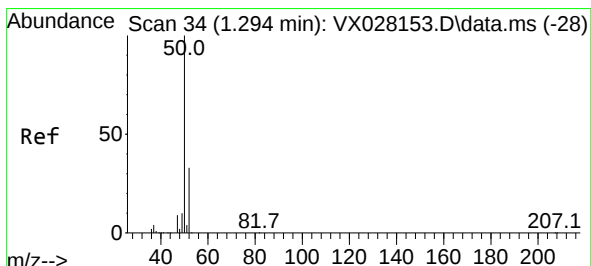
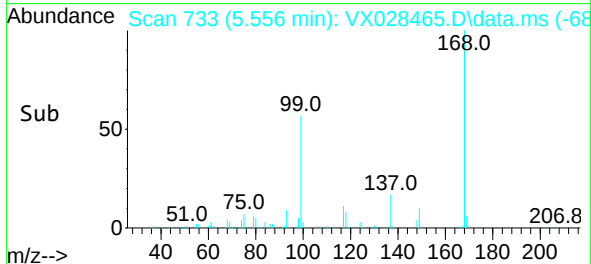
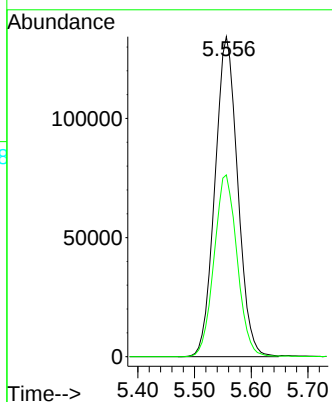
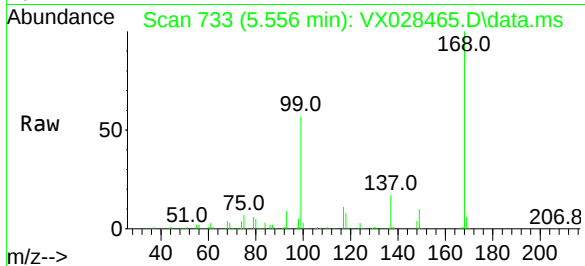




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

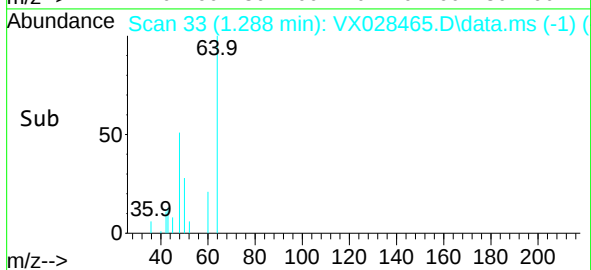
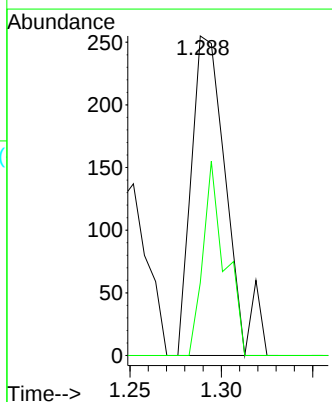
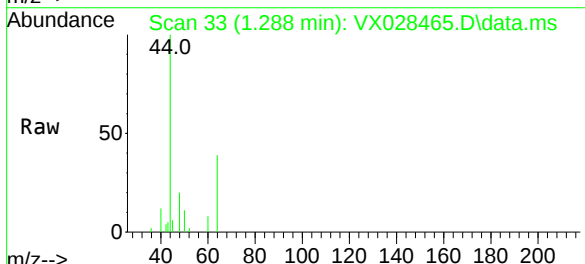
Instrument :
MSVOA_X
ClientSampleId :
MH-20S

Tgt Ion:168 Resp: 374649
Ion Ratio Lower Upper
168 100
99 56.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 22.7 26.4 39.6#

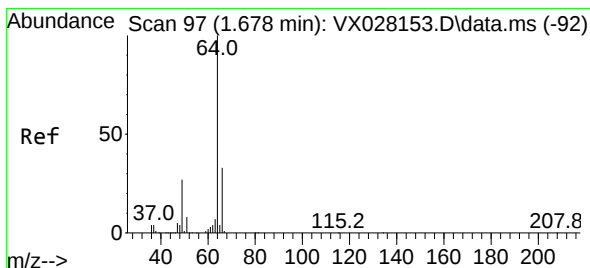
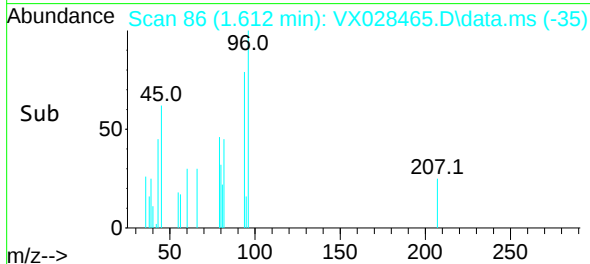
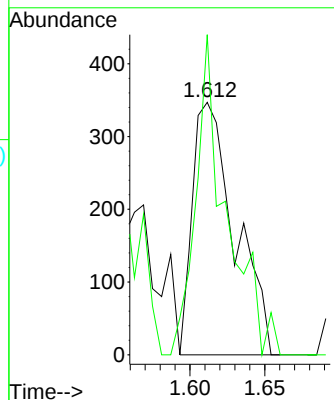
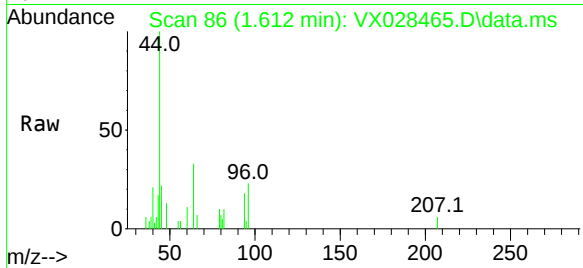




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

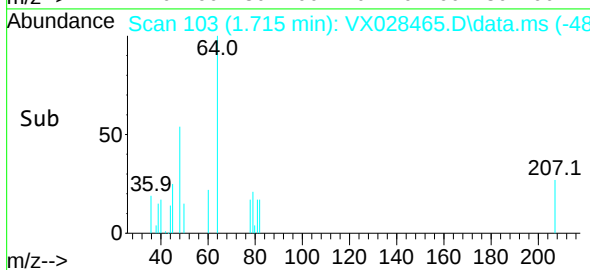
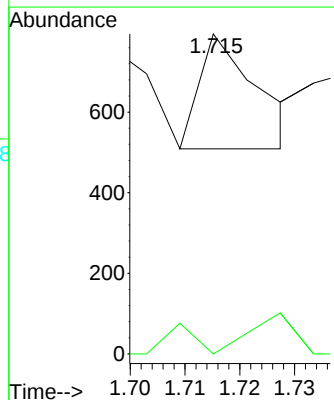
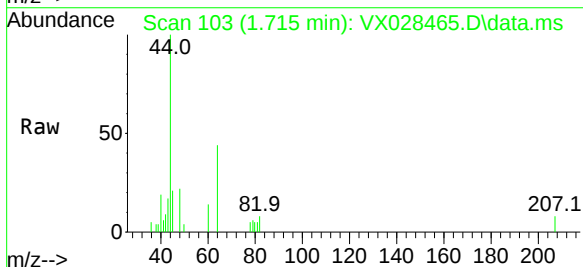
Instrument :
MSVOA_X
ClientSampleId :
MH-20S

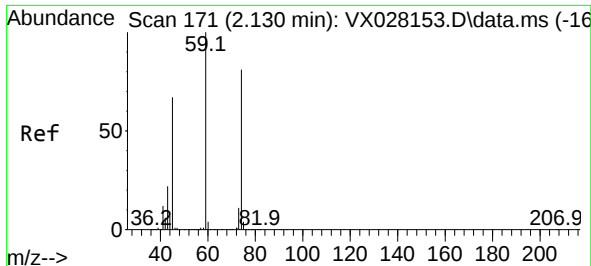
Tgt Ion: 94 Resp: 687
Ion Ratio Lower Upper
94 100
96 126.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.715 min Scan# 103
Delta R.T. 0.037 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

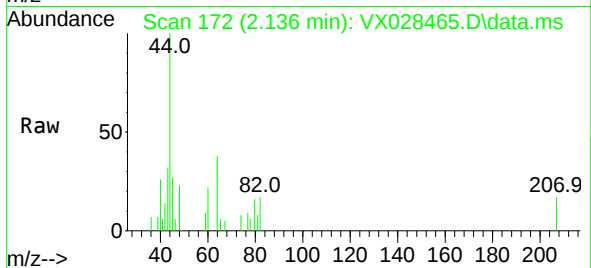
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



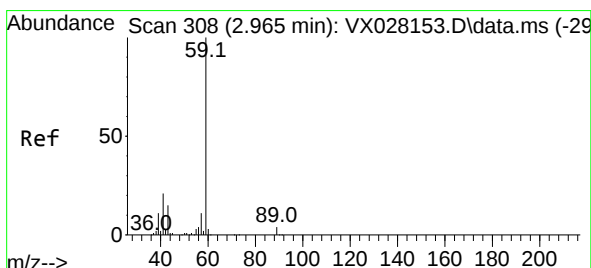
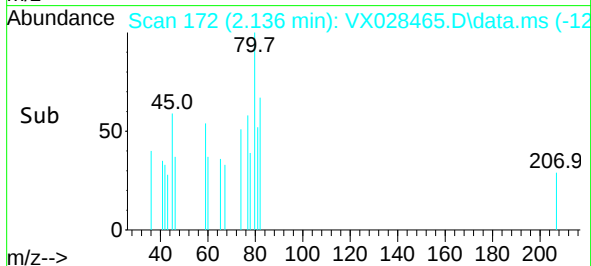
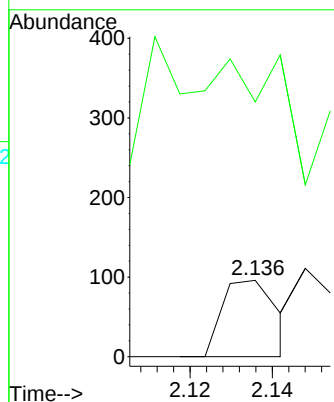


#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Instrument :
MSVOA_X
ClientSampleId :
MH-20S

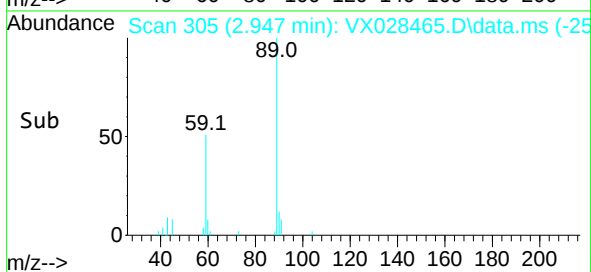
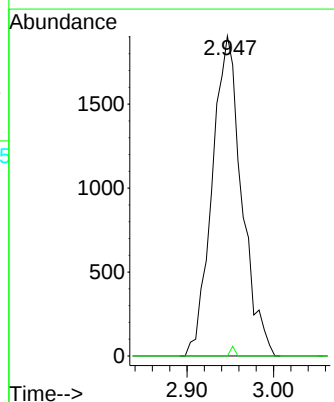
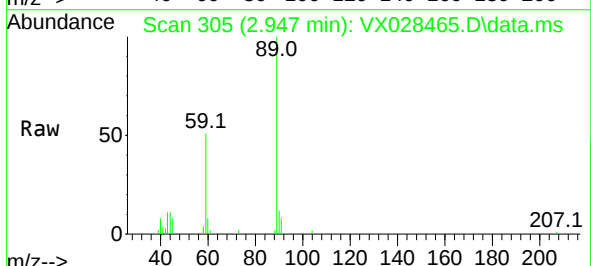


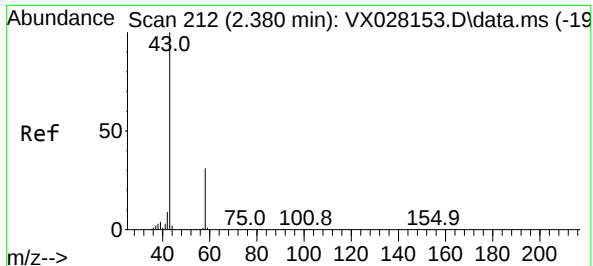
Tgt Ion: 74 Resp: 89
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 59 Resp: 4526
Ion Ratio Lower Upper
59 100
57 0.5 8.3 12.5#

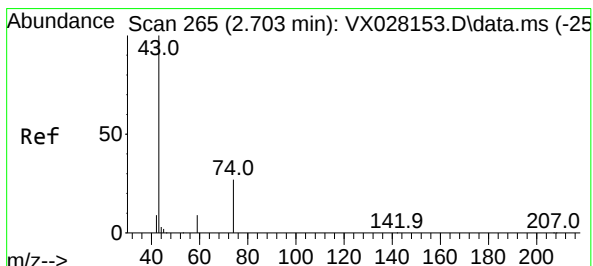
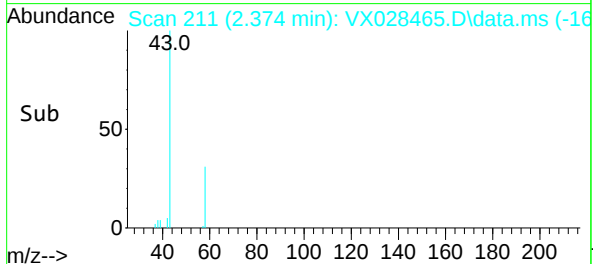
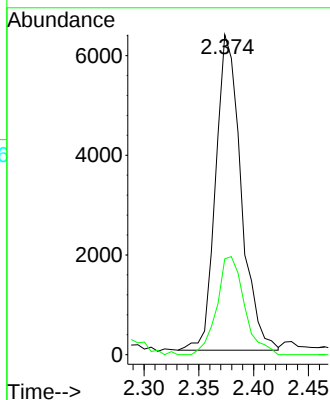
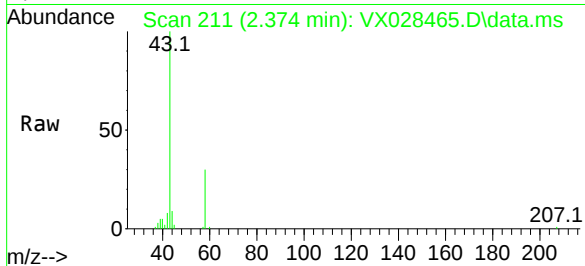




#16
Acetone
Concen: 5.484 ug/l
RT: 2.374 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

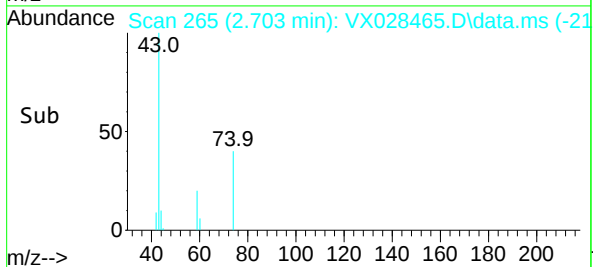
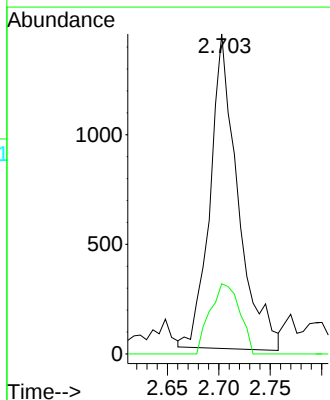
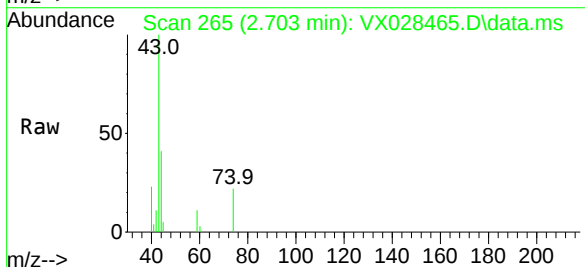
Instrument :
MSVOA_X
ClientSampleId :
MH-20S

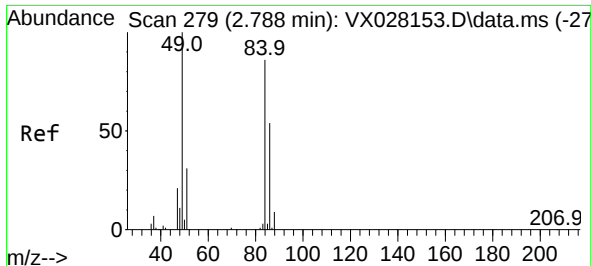
Tgt Ion: 43 Resp: 10220
Ion Ratio Lower Upper
43 100
58 30.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

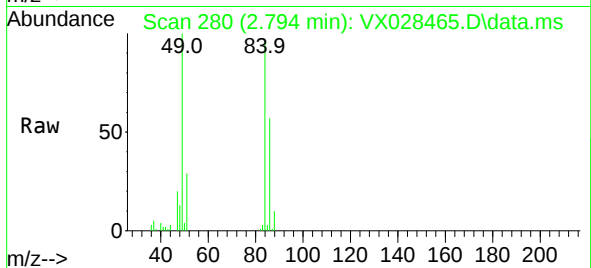
Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
74 23.7 22.8 34.2





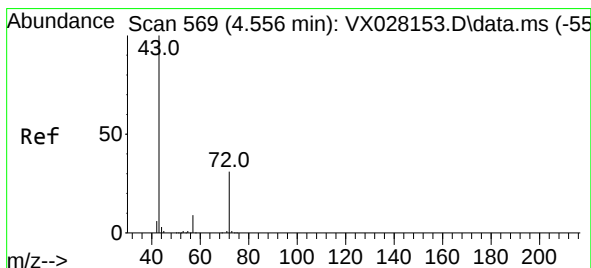
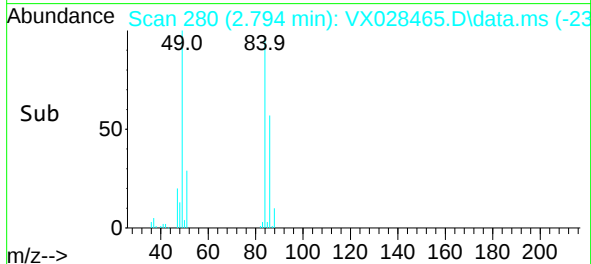
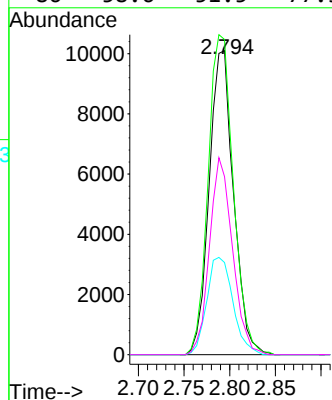
#20
Methylene Chloride
Concen: 5.180 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Instrument :
MSVOA_X
ClientSampleId :
MH-20S



Tgt Ion: 84 Resp: 18774

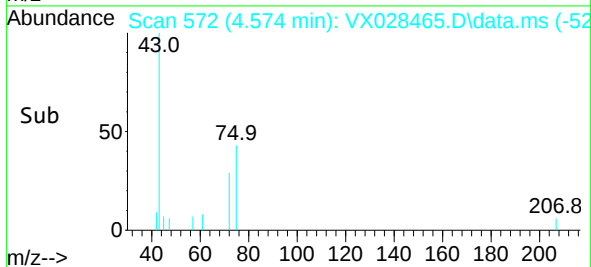
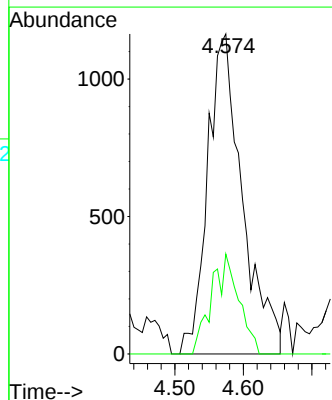
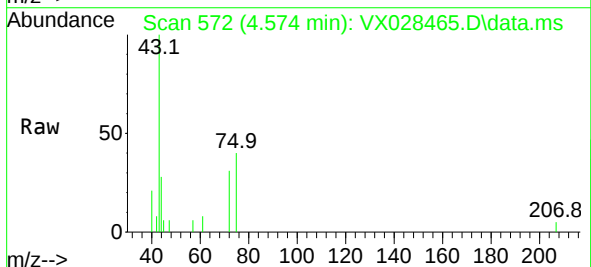
Ion	Ratio	Lower	Upper
84	100		
49	103.7	85.5	128.3
51	30.3	26.6	39.8
86	58.6	51.5	77.3

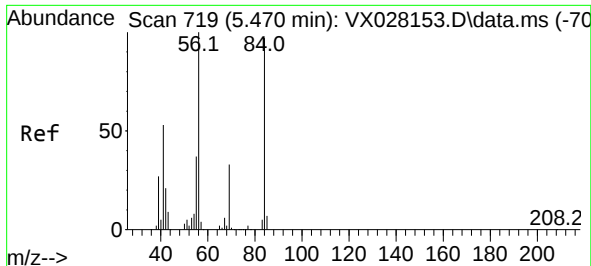


#25
2-Butanone
Concen: 1.421 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 43 Resp: 4111

Ion	Ratio	Lower	Upper
43	100		
72	31.3	24.4	36.6

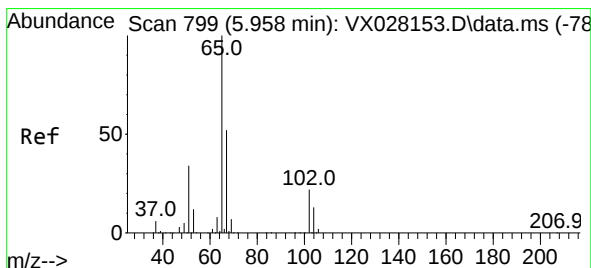
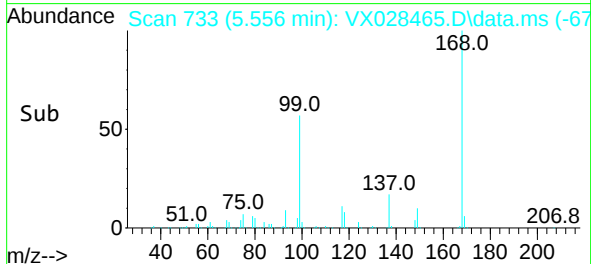
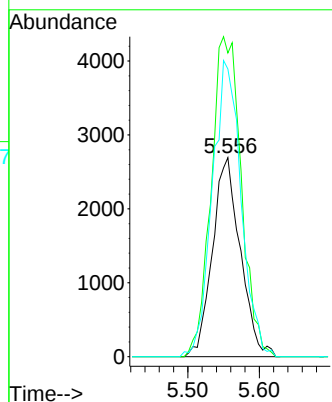
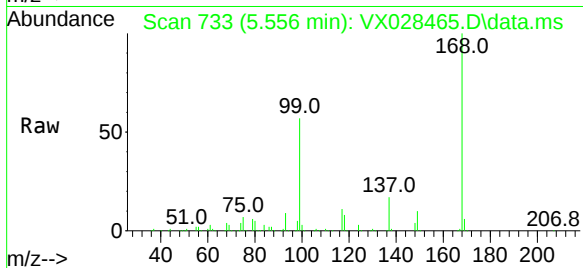




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

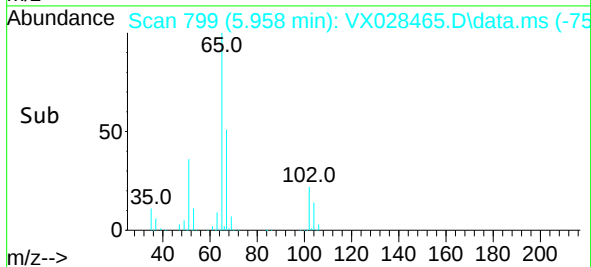
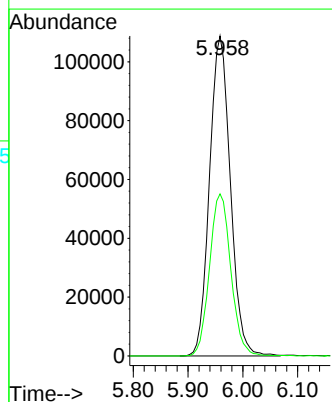
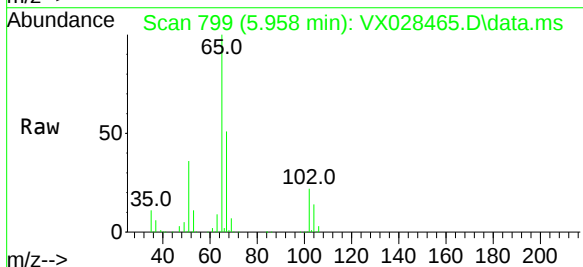
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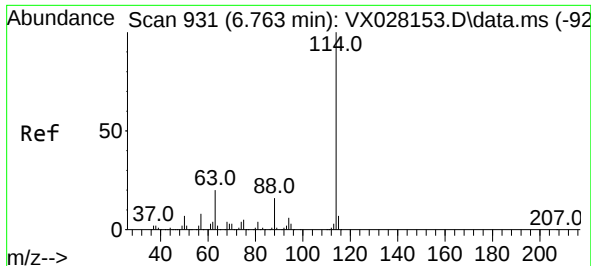
Tgt Ion: 56 Resp: 7286
Ion Ratio Lower Upper
56 100
69 152.5 26.7 40.1#
84 144.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.749 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 65 Resp: 286989
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

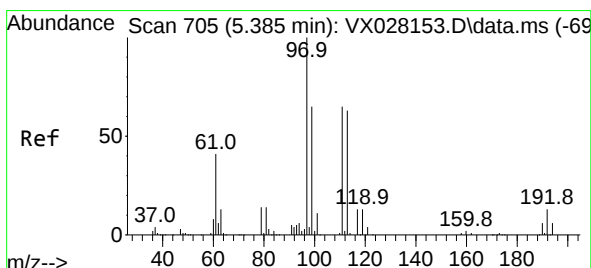
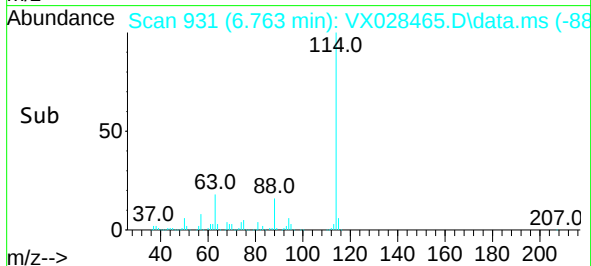
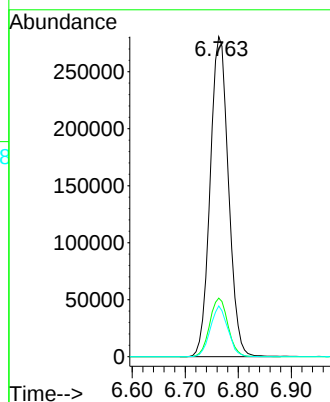
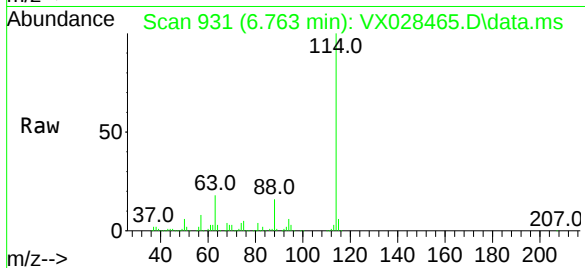




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

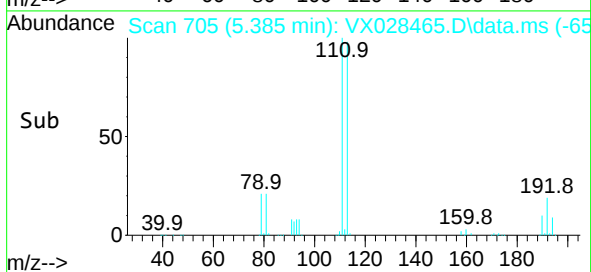
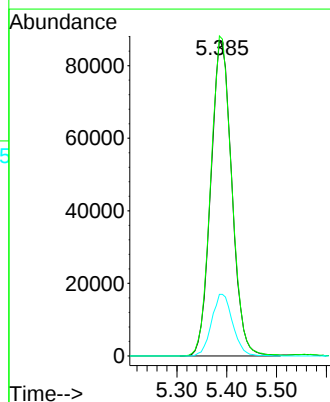
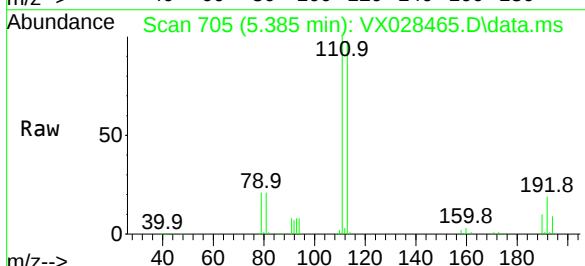
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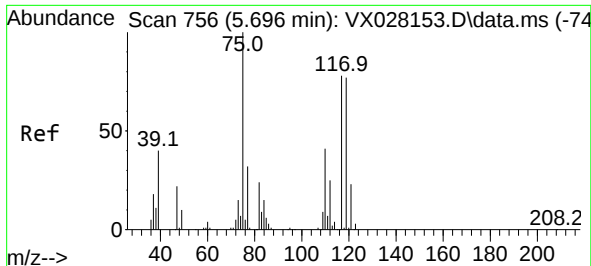
Tgt Ion:114 Resp: 672865
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.914 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion:113 Resp: 254405
Ion Ratio Lower Upper
113 100
111 101.3 82.8 124.2
192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.664 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

Instrument :

MSVOA_X

ClientSampleId :

MH-20S

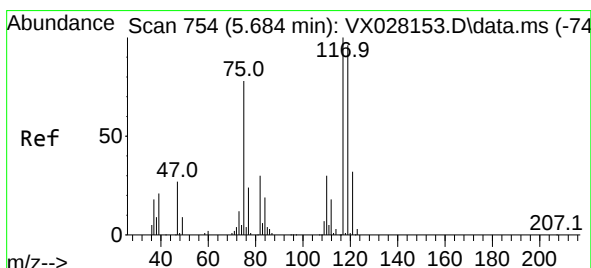
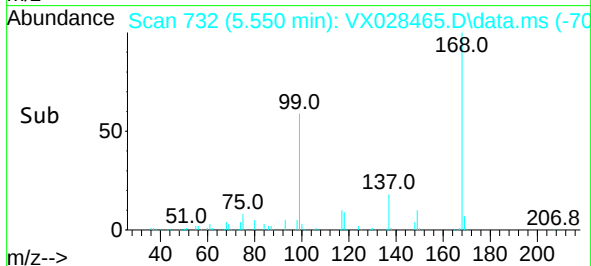
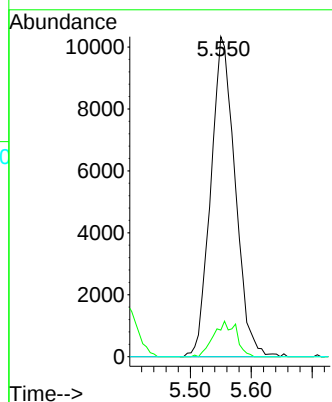
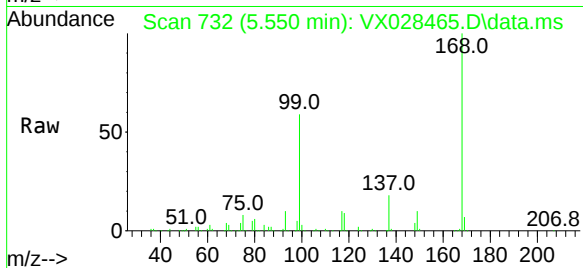
Tgt Ion: 75 Resp: 28708

Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

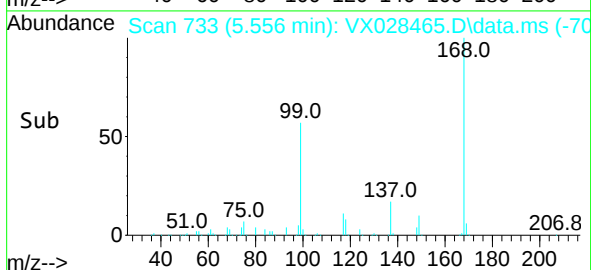
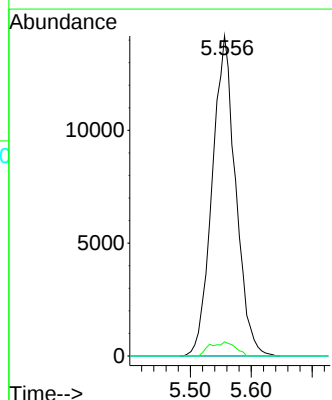
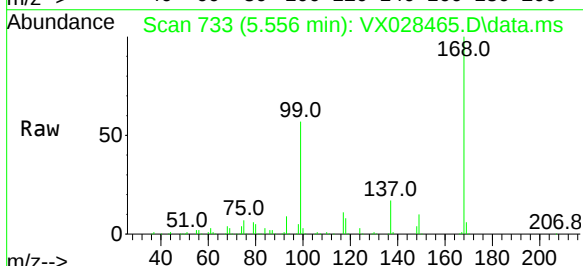
Tgt Ion: 117 Resp: 38009

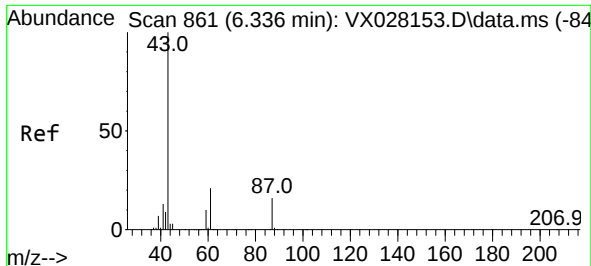
Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 24.2 36.2#

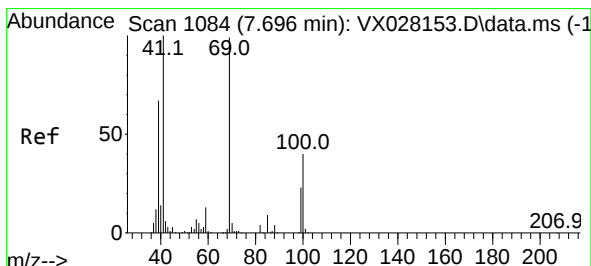
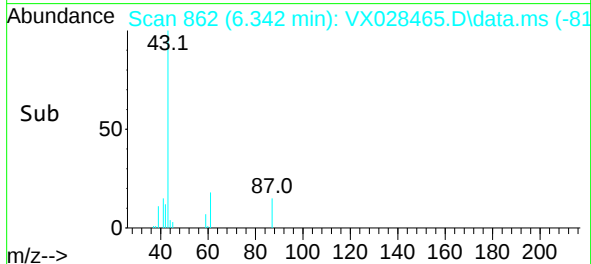
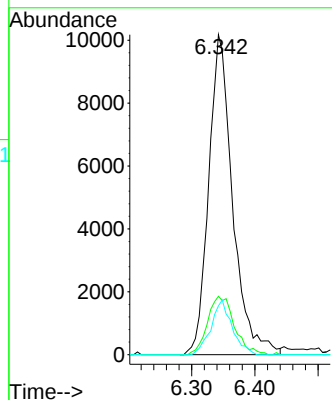
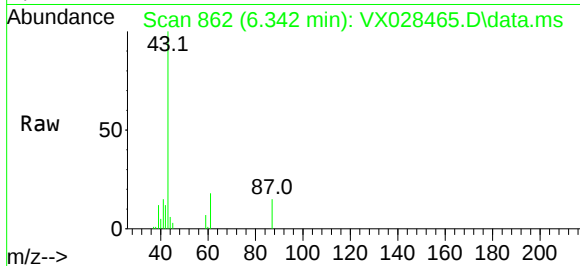




#43
Isopropyl Acetate
Concen: 2.632 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

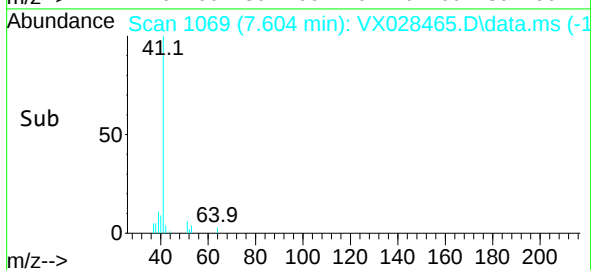
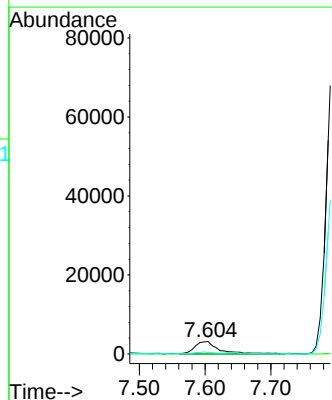
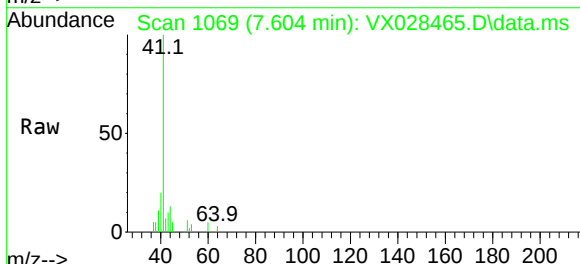
Instrument :
MSVOA_X
ClientSampleId :
MH-20S

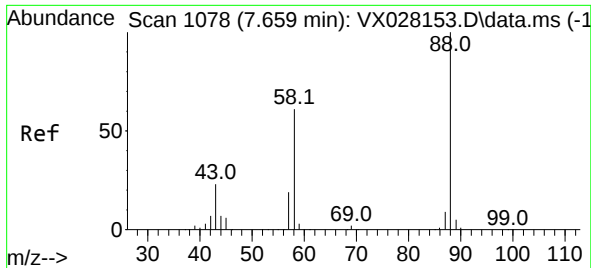
Tgt Ion: 43 Resp: 26757
Ion Ratio Lower Upper
43 100
61 20.4 18.5 27.7
87 15.1 13.0 19.6



#48
Methyl methacrylate
Concen: 1.738 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 41 Resp: 8111
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: 2.387 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.147 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

Instrument :

MSVOA_X

ClientSampleId :

MH-20S

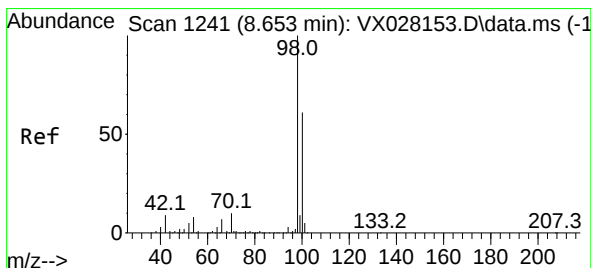
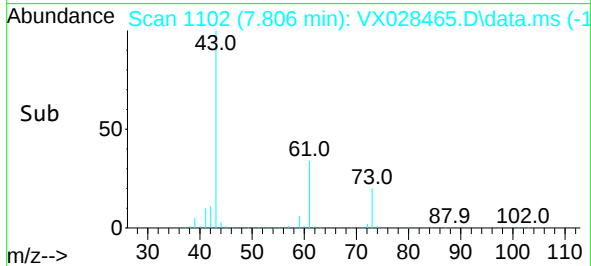
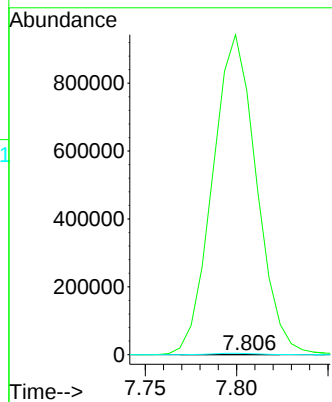
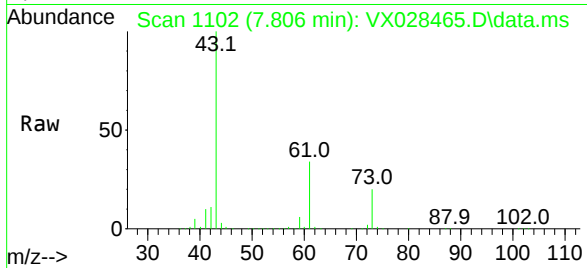
Tgt Ion: 88 Resp: 298

Ion Ratio Lower Upper

88 100

43 533458.7 21.9 32.9#

58 2474.5 53.7 80.5#



#50

Toluene-d8

Concen: 53.302 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028465.D

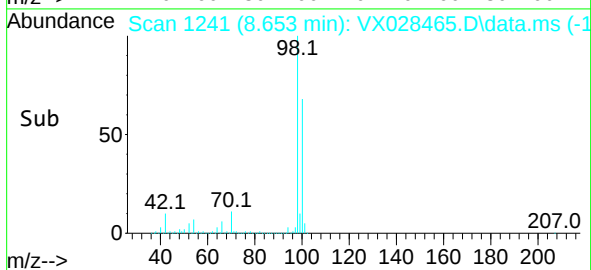
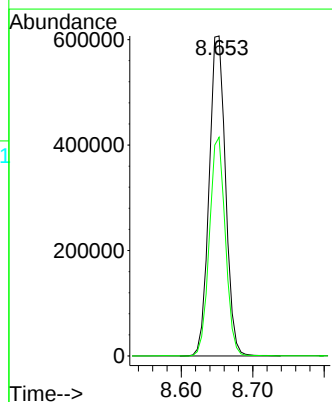
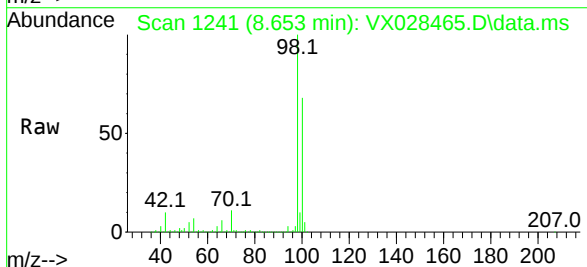
Acq: 30 Apr 2022 08:05

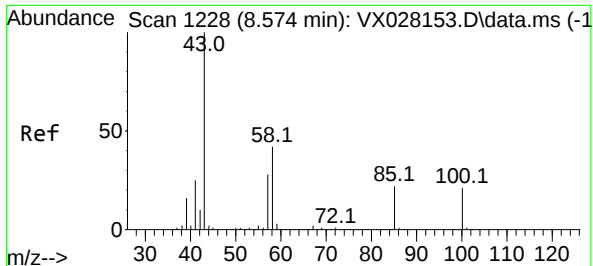
Tgt Ion: 98 Resp: 966030

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.306 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

Instrument :

MSVOA_X

ClientSampleId :

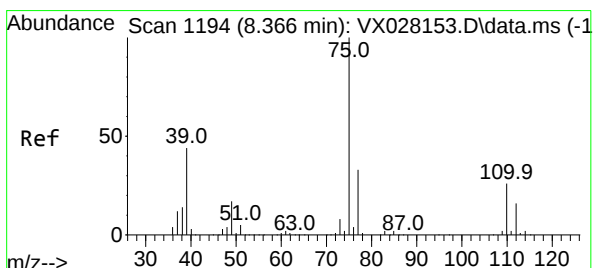
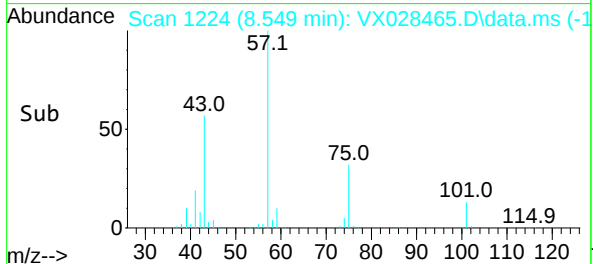
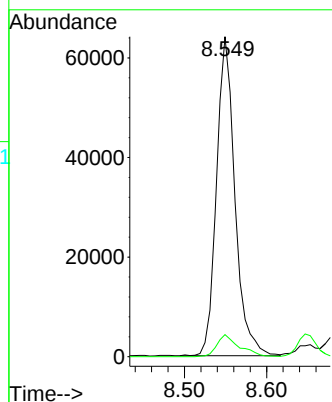
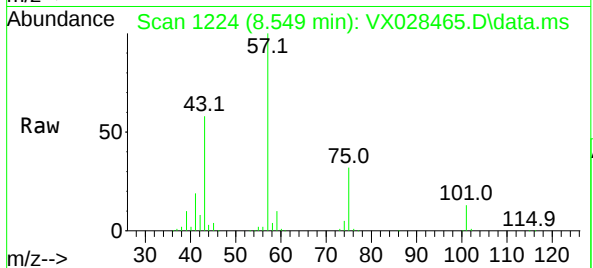
MH-20S

Tgt Ion: 43 Resp: 99839

Ion Ratio Lower Upper

43 100

58 8.4 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 6.953 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

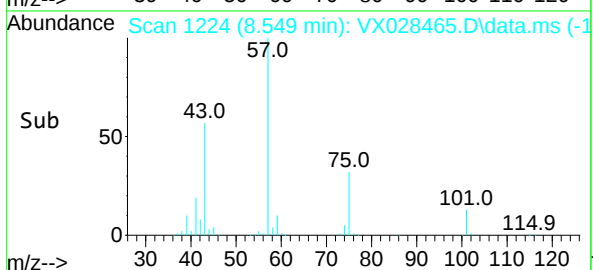
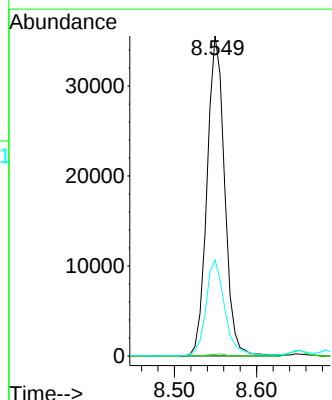
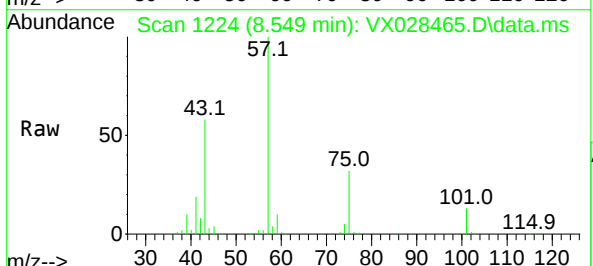
Tgt Ion: 75 Resp: 52762

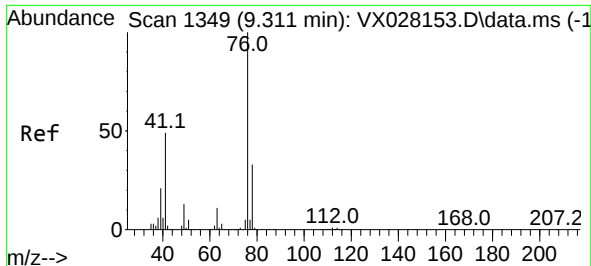
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 30.1 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.193 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

Instrument :

MSVOA_X

ClientSampleId :

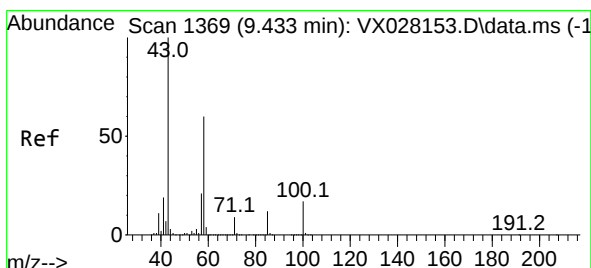
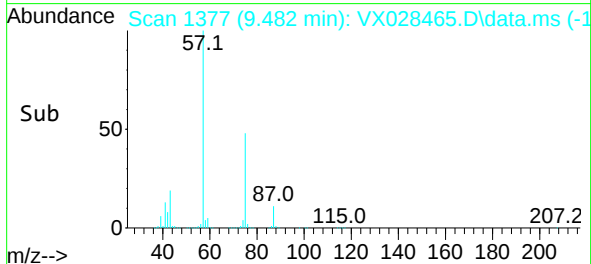
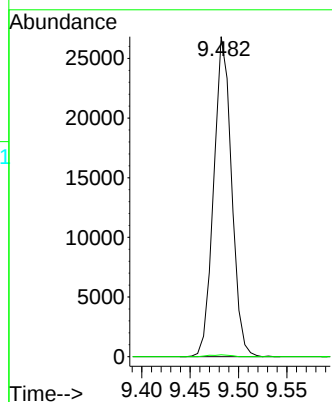
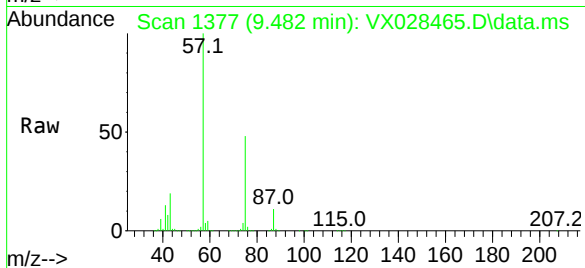
MH-20S

Tgt Ion: 76 Resp: 34417

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.8#



#59

2-Hexanone

Concen: 76.511 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028465.D

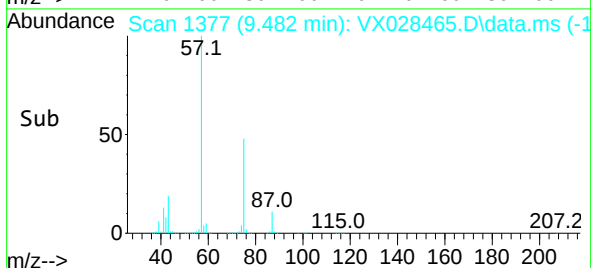
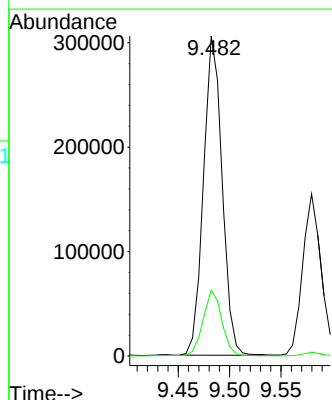
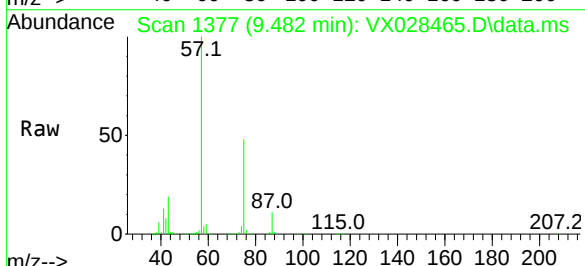
Acq: 30 Apr 2022 08:05

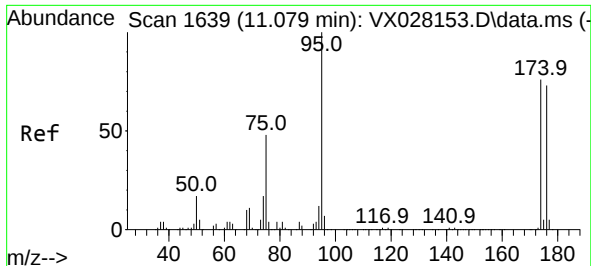
Tgt Ion: 43 Resp: 386586

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#

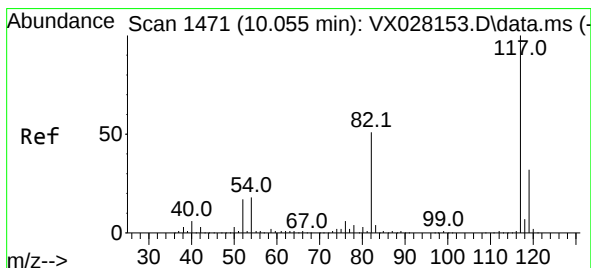
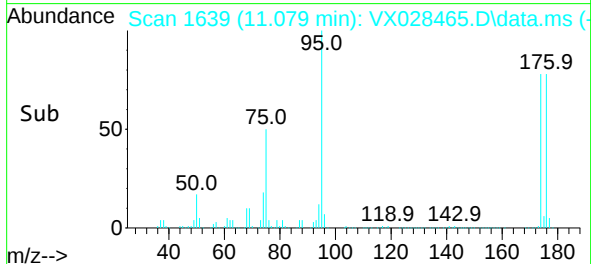
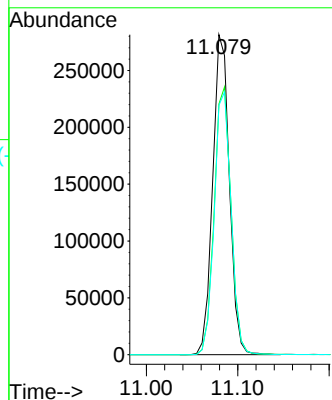
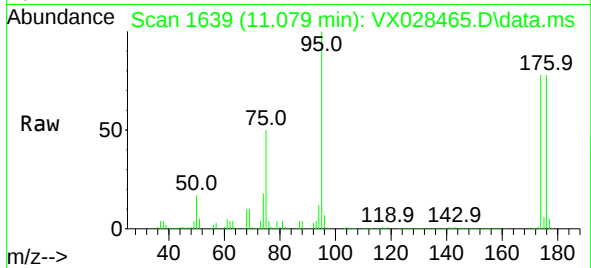




#62
4-Bromofluorobenzene
Concen: 51.321 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

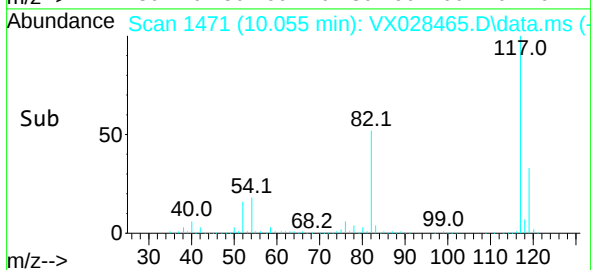
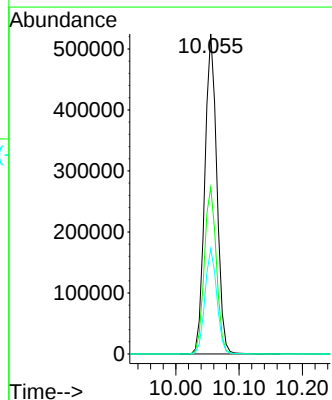
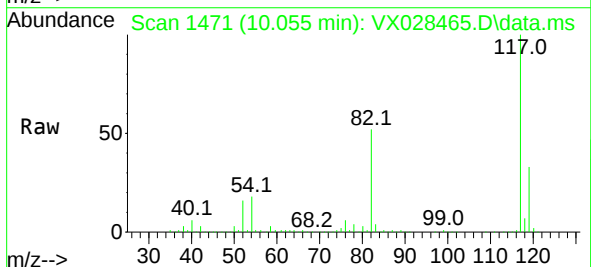
Instrument :
MSVOA_X
ClientSampleId :
MH-20S

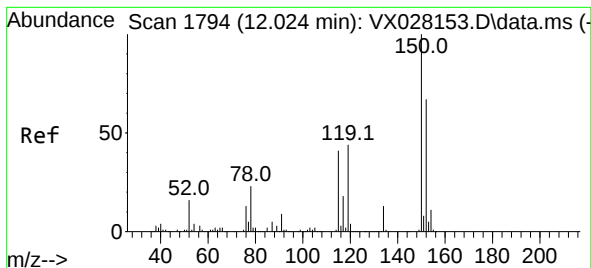
Tgt Ion: 95 Resp: 355643
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 83.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028465.D
Acq: 30 Apr 2022 08:05

Tgt Ion: 117 Resp: 696078
Ion Ratio Lower Upper
117 100
82 52.1 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# 11

Delta R.T. 0.000 min

Lab File: VX028465.D

Acq: 30 Apr 2022 08:05

Instrument :

MSVOA_X

ClientSampleId :

MH-20S

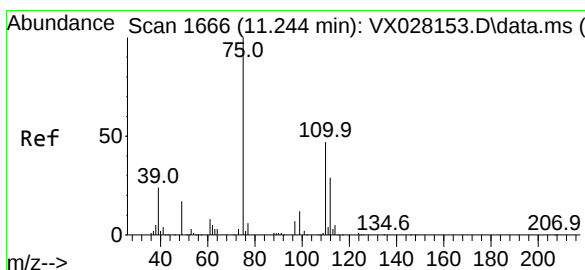
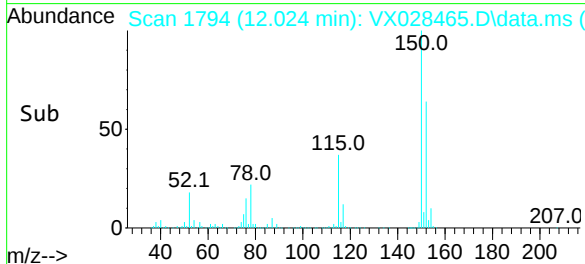
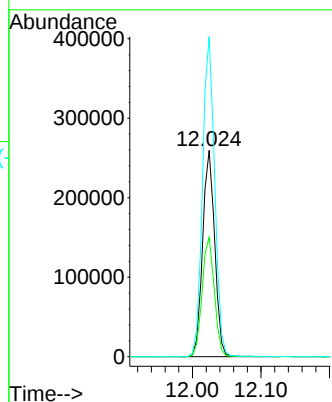
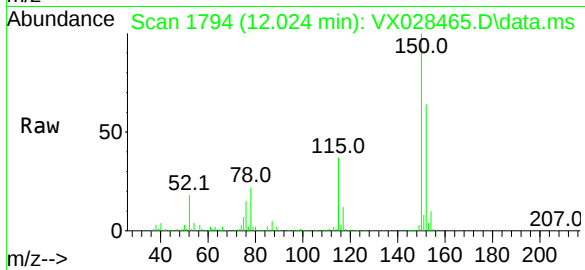
Tgt Ion:152 Resp: 318465

Ion Ratio Lower Upper

152 100

115 58.5 37.5 112.7

150 155.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 28.201 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028465.D

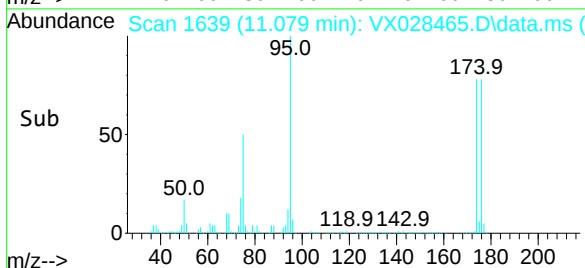
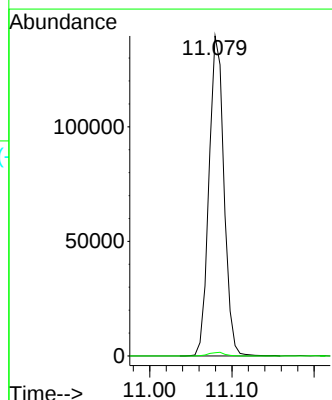
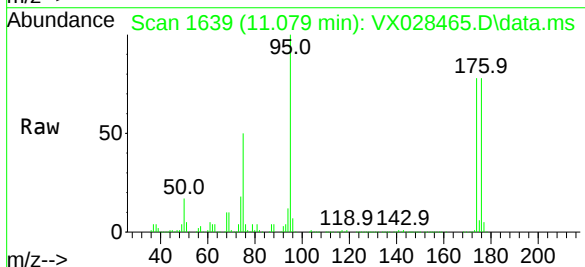
Acq: 30 Apr 2022 08:05

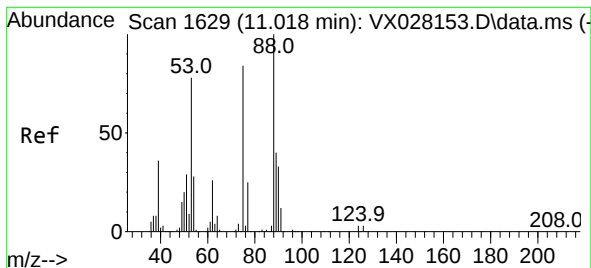
Tgt Ion: 75 Resp: 176753

Ion Ratio Lower Upper

75 100

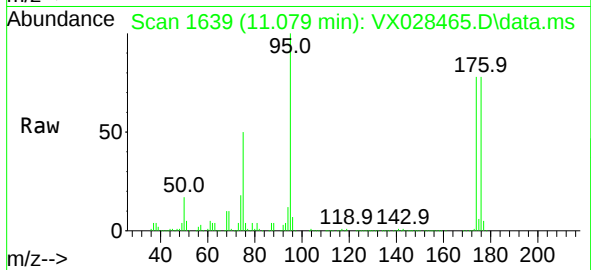
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.806 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028465.D
 Acq: 30 Apr 2022 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20S



Tgt Ion: 75 Resp: 176753
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

