

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028472.D
 Acq On : 02 May 2022 14:53
 Operator : JC/MD
 Sample : N2640-07DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWBR3-B-117-137-042922DL

Quant Time: May 03 04:50:55 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)

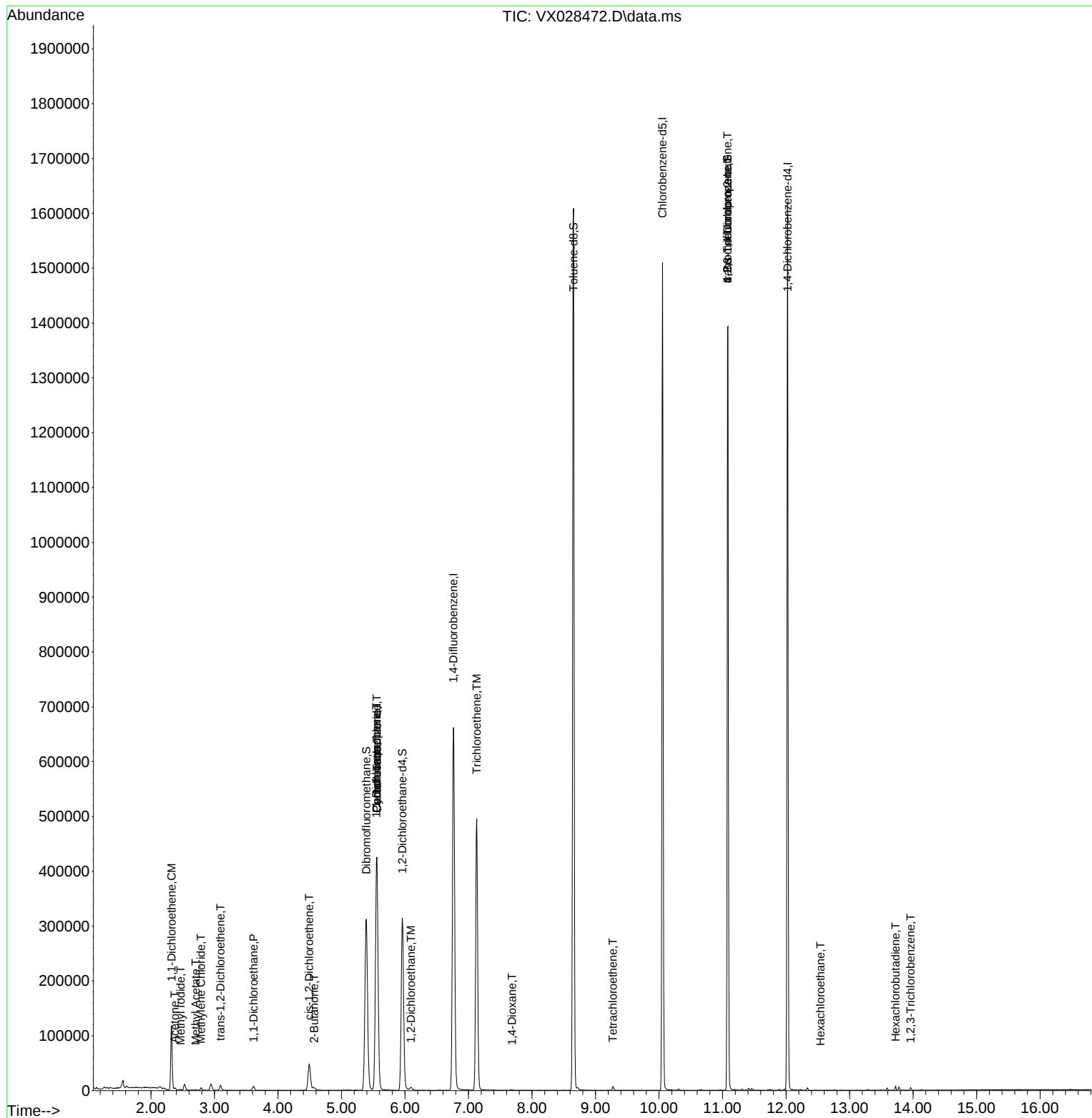
Internal Standards						
1) Pentafluorobenzene	5.556	168	425229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	720824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	704477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	336139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	295582	53.311	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.620%	
35) Dibromofluoromethane	5.391	113	273464	54.097	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.200%	
50) Toluene-d8	8.653	98	1015783	52.318	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.640%	
62) 4-Bromofluorobenzene	11.079	95	369316	49.748	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.500%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	624	Below Cal		97
5) Bromomethane	1.611	94	1501	Below Cal		96
6) Chloroethane	1.660	64	379	Below Cal	#	43
8) Diethyl Ether	2.117	74	23	Below Cal	#	1
10) Methyl Iodide	2.465	142	1665	5.551	ug/l #	91
11) Tert butyl alcohol	2.940	59	6404	Below Cal	#	75
12) 1,1-Dichloroethene	2.325	96	40637	12.435	ug/l	94
16) Acetone	2.373	43	3668	0.774	ug/l	91
18) Methyl Acetate	2.703	43	1034	0.210	ug/l #	71
20) Methylene Chloride	2.788	84	1956	0.475	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	3563	0.802	ug/l	95
24) 1,1-Dichloroethane	3.617	63	7774	1.054	ug/l #	91
25) 2-Butanone	4.568	43	788	0.240	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	32529	6.138	ug/l	86
31) Cyclohexane	5.556	56	8566	1.268	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	30004	4.550	ug/l #	50
38) Carbon Tetrachloride	5.556	117	42043	5.648	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	5571	0.778	ug/l	97
44) Trichloroethene	7.129	130	198944	35.543	ug/l	99
49) 1,4-Dioxane	7.683	88	825	6.169	ug/l #	82
64) Tetrachloroethene	9.275	164	1156	0.210	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	183738	27.774	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	183738	82.537	ug/l #	15
90) Hexachloroethane	12.542	117	52	1.827	ug/l #	10
94) Hexachlorobutadiene	13.725	225	988	0.331	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	1369	0.209	ug/l	98

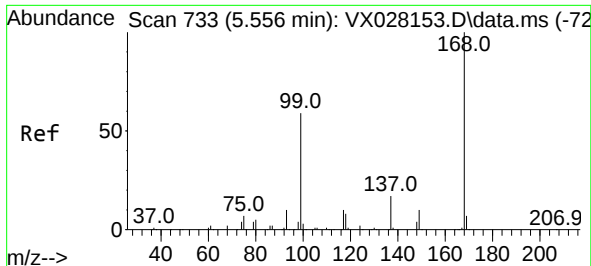
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

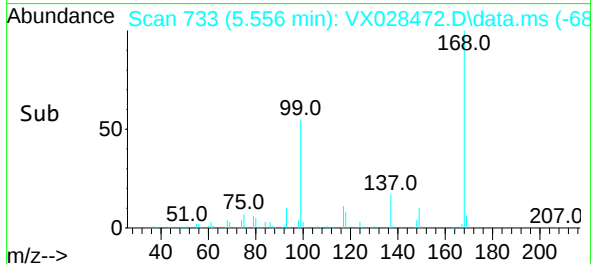
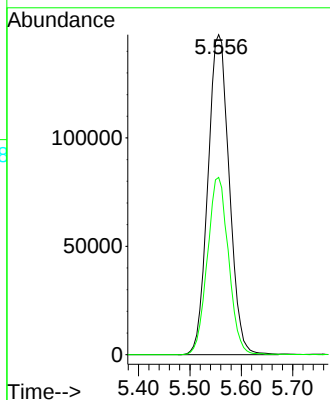
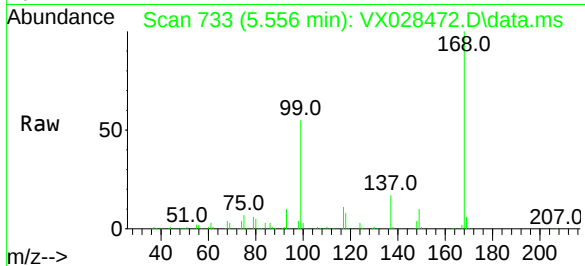




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

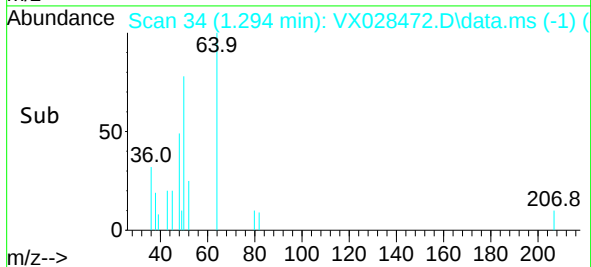
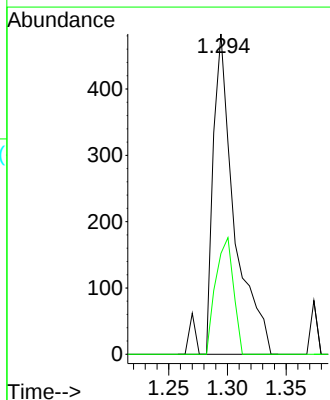
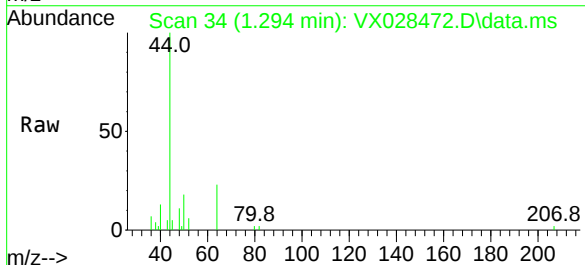
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

Tgt Ion:168 Resp: 425229
Ion Ratio Lower Upper
168 100
99 55.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

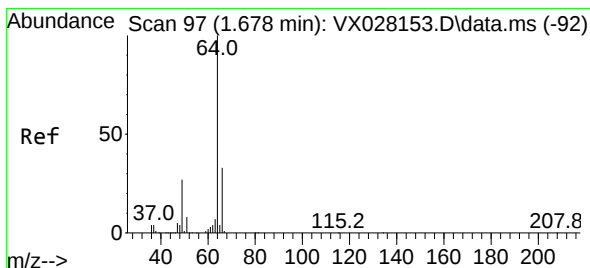
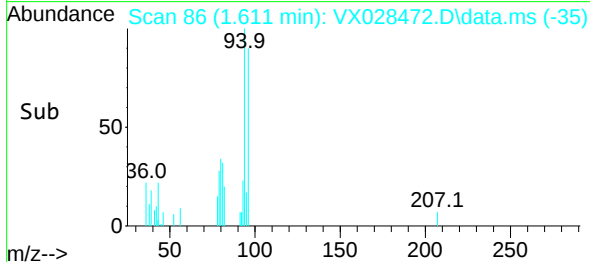
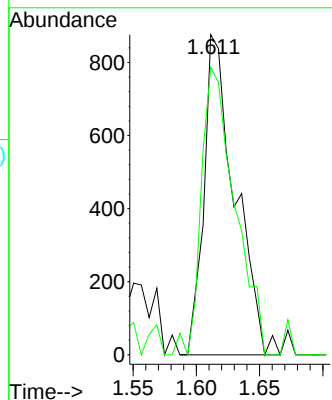
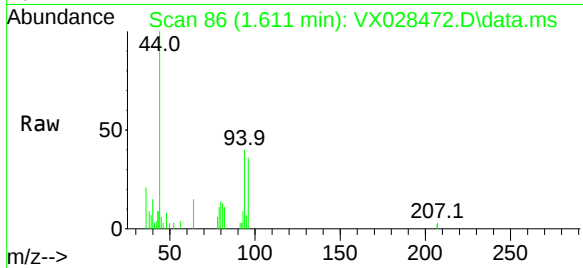




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

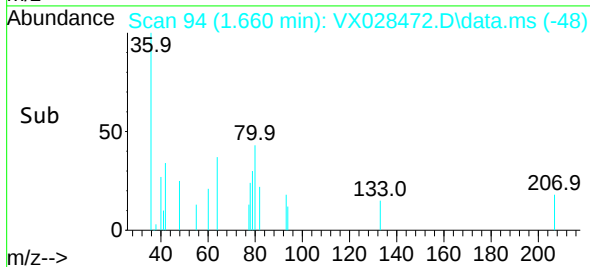
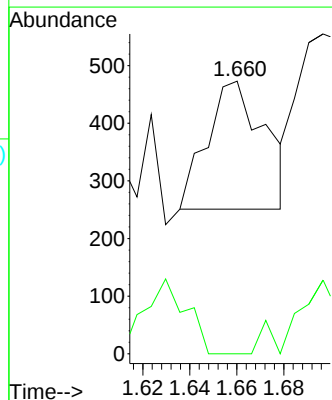
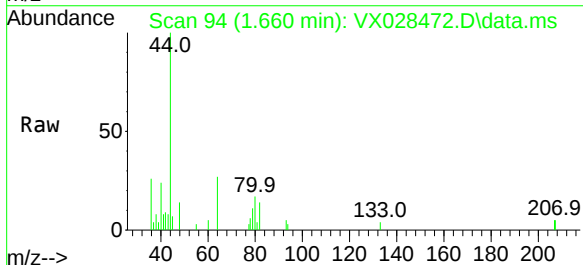
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

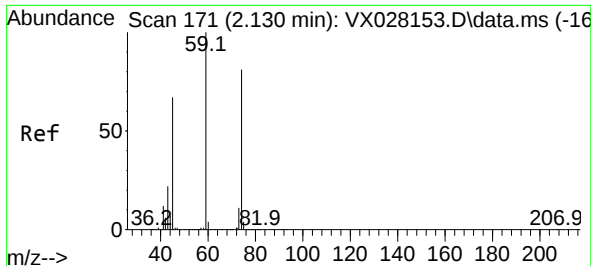
Tgt Ion: 94 Resp: 1501
Ion Ratio Lower Upper
94 100
96 89.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 64 Resp: 379
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

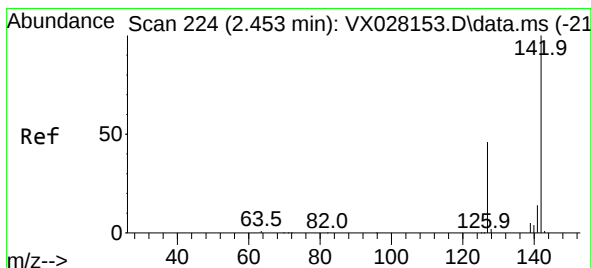
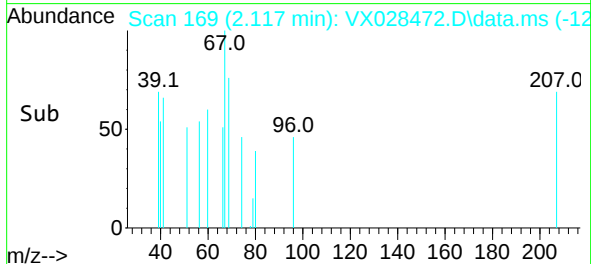
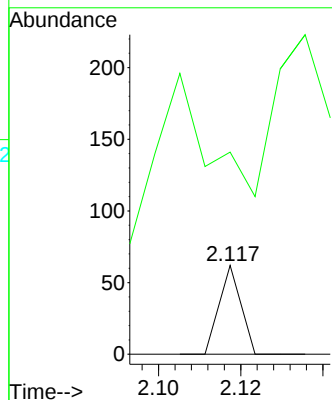
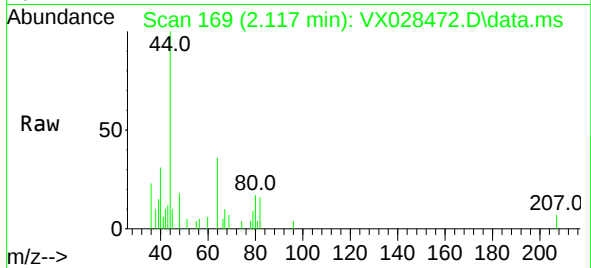




#8
Diethyl Ether
Concen: Below Cal
RT: 2.117 min Scan# 11
Delta R.T. -0.013 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

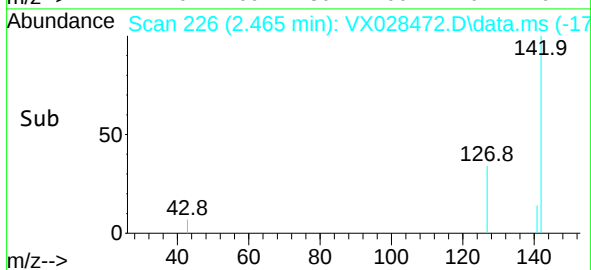
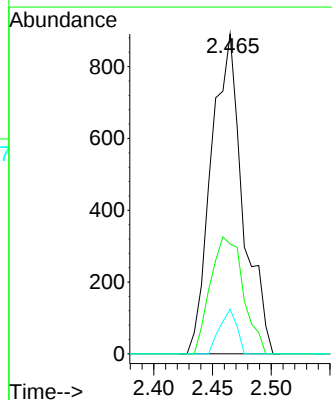
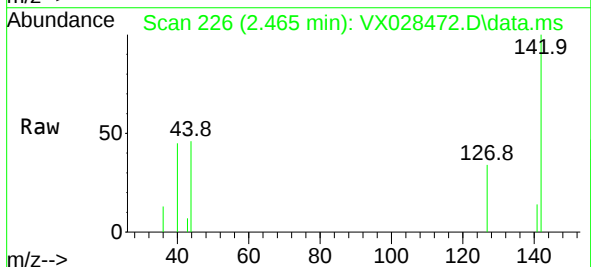
Instrument : MSVOA_X
ClientSampleId : MWBR3-B-117-137-042922DL

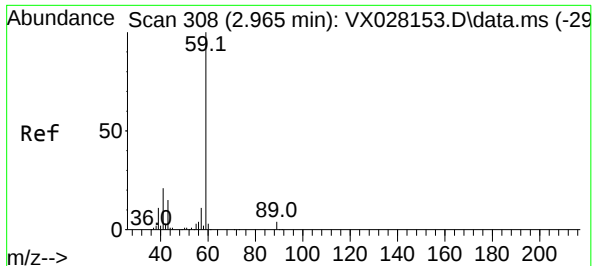
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 530.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.551 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 142 Resp: 1665
Ion Ratio Lower Upper
142 100
127 38.0 33.9 50.9
141 7.5 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: VX028472.D

Acq: 02 May 2022 14:53

Instrument :

MSVOA_X

ClientSampleId :

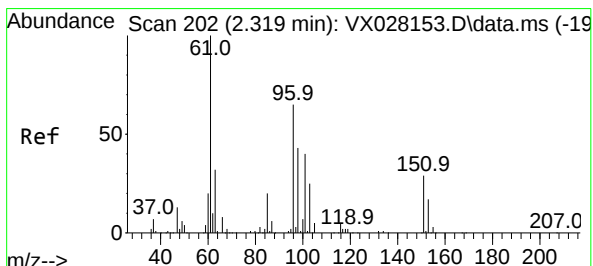
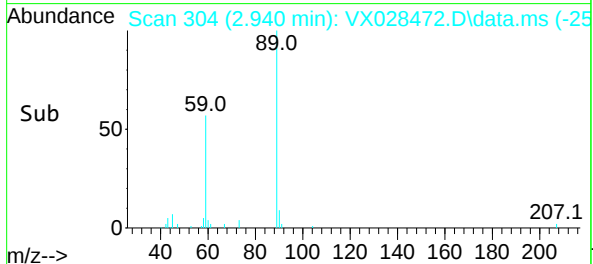
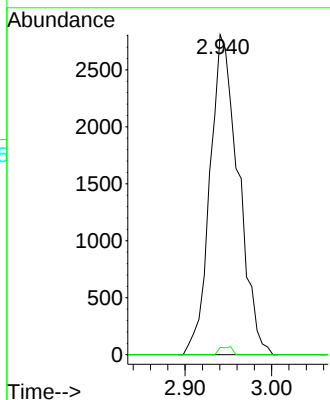
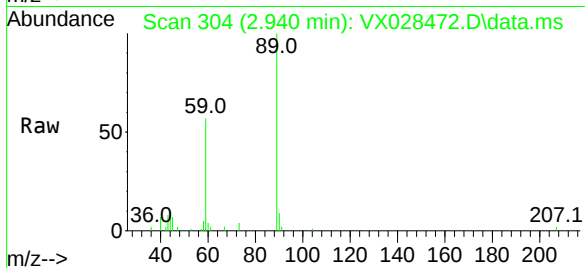
MWBR3-B-117-137-042922DL

Tgt Ion: 59 Resp: 6404

Ion Ratio Lower Upper

59 100

57 1.1 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 12.435 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

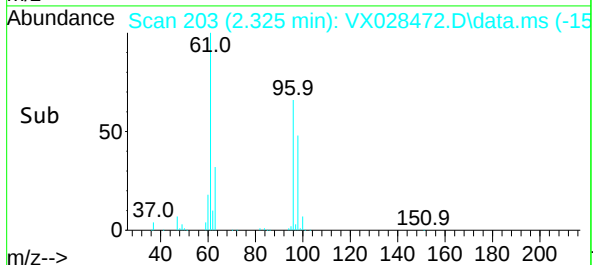
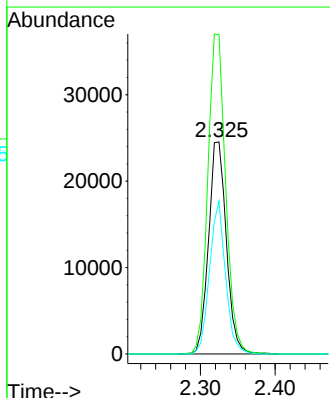
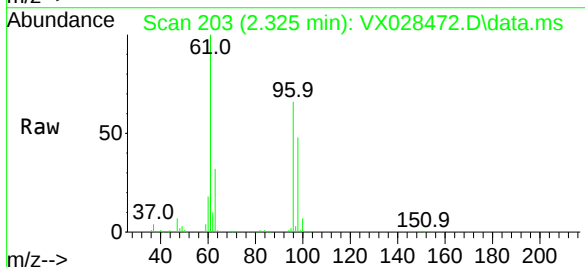
Tgt Ion: 96 Resp: 40637

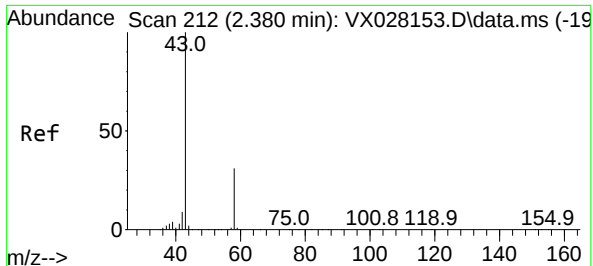
Ion Ratio Lower Upper

96 100

61 150.6 124.6 187.0

98 72.1 51.0 76.4

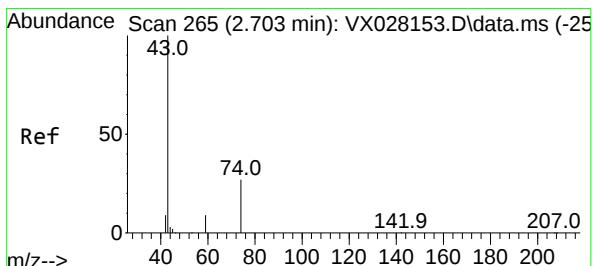
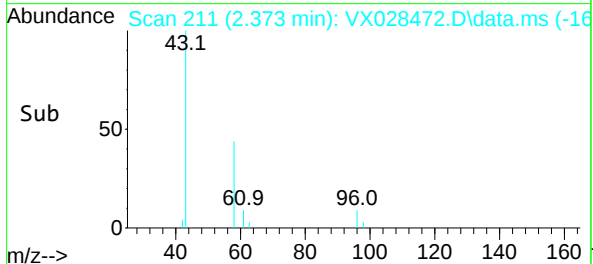
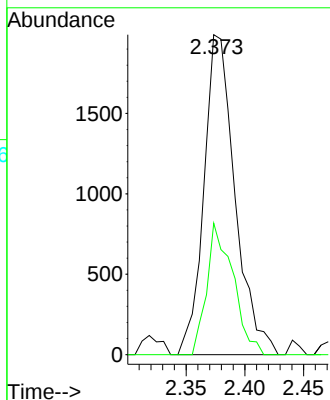
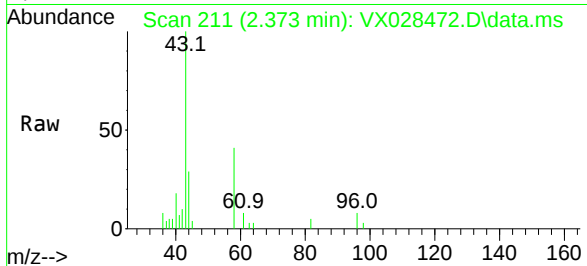




#16
Acetone
Concen: 0.774 ug/l
RT: 2.373 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

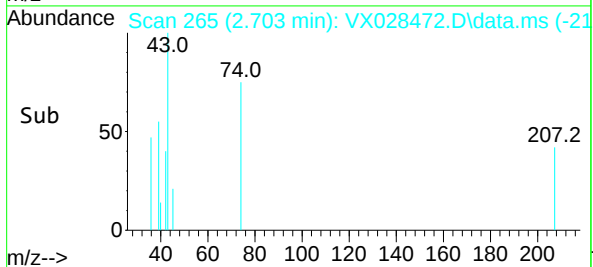
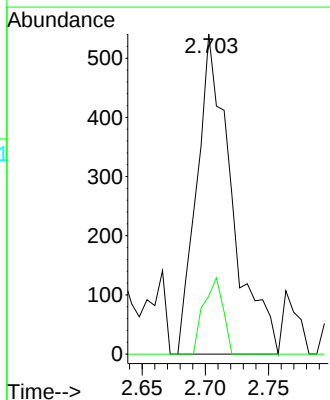
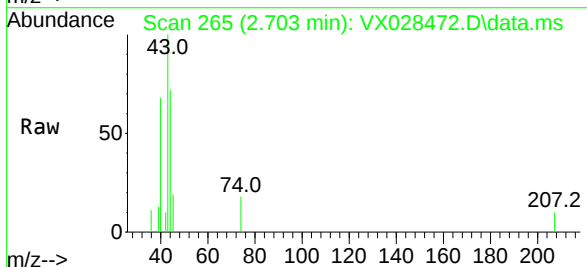
Instrument :
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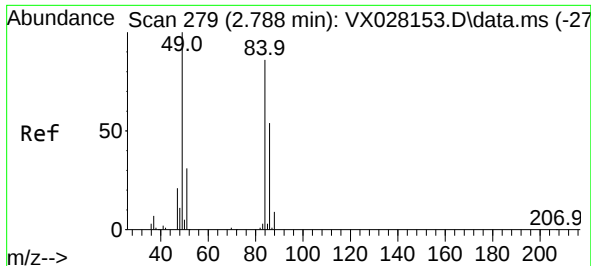
Tgt Ion: 43 Resp: 3668
Ion Ratio Lower Upper
43 100
58 41.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

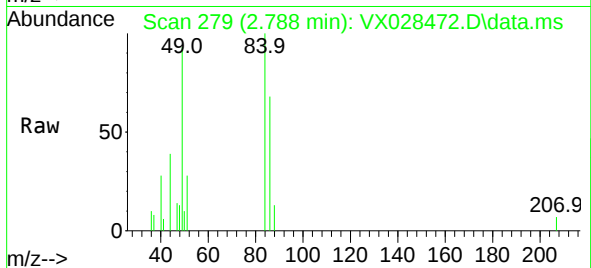
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
74 13.3 22.8 34.2#



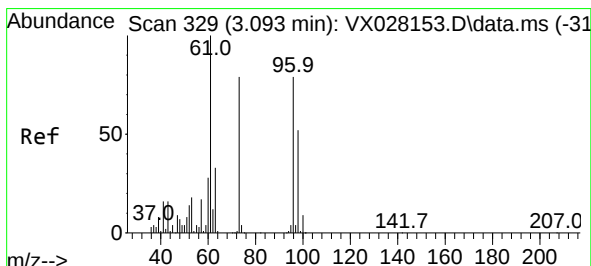
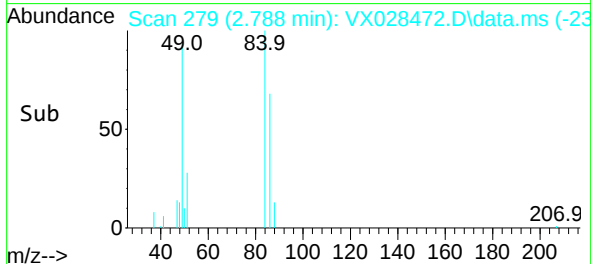
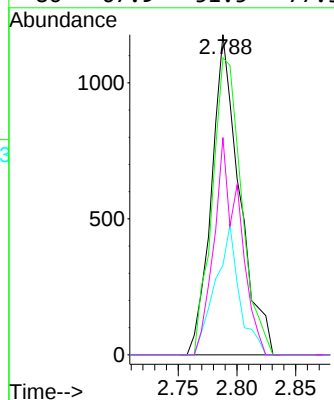


#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

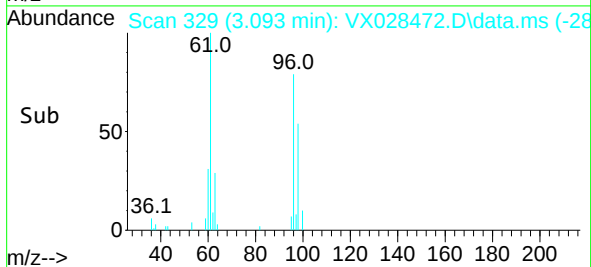
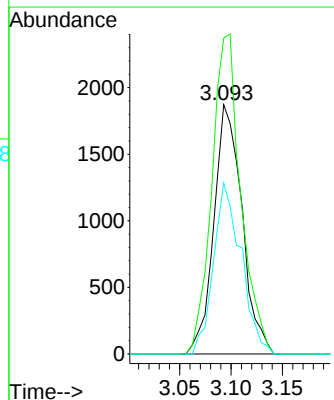
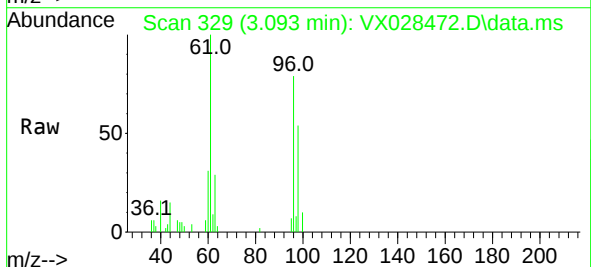


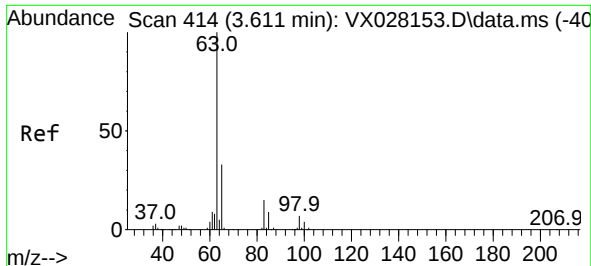
Tgt Ion:	84	Resp:	1956
Ion	Ratio	Lower	Upper
84	100		
49	92.8	85.5	128.3
51	28.0	26.6	39.8
86	67.9	51.5	77.3



#21
trans-1,2-Dichloroethene
Concen: 0.802 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion:	96	Resp:	3563
Ion	Ratio	Lower	Upper
96	100		
61	126.7	105.4	158.2
98	68.5	50.0	75.0

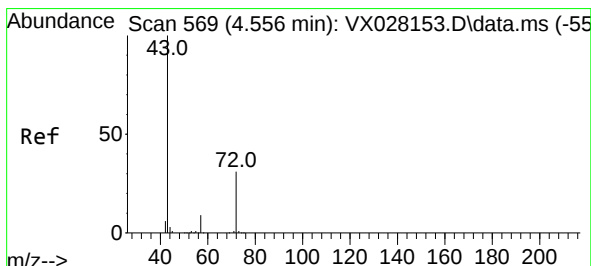
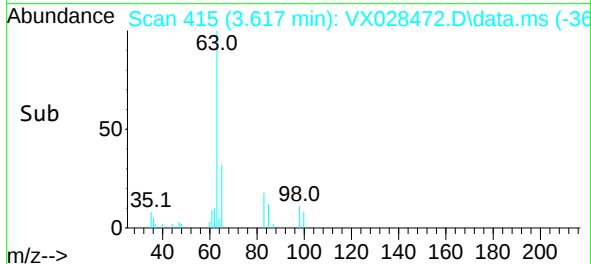
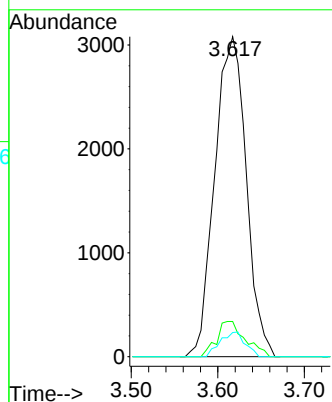
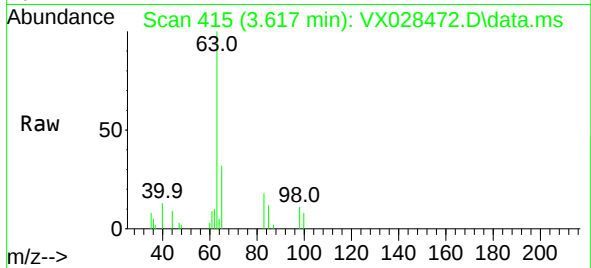




#24
1,1-Dichloroethane
Concen: 1.054 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

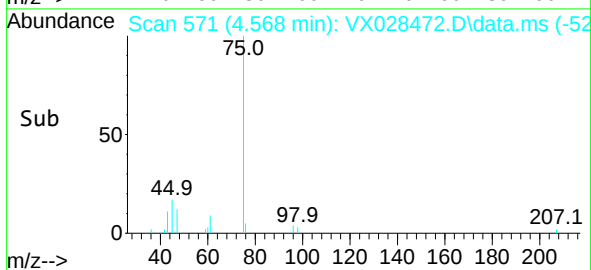
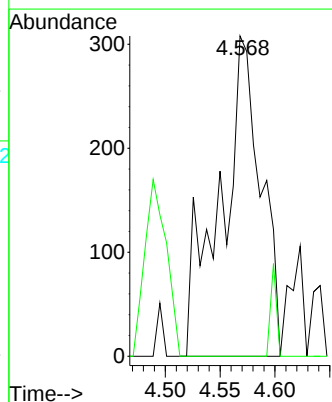
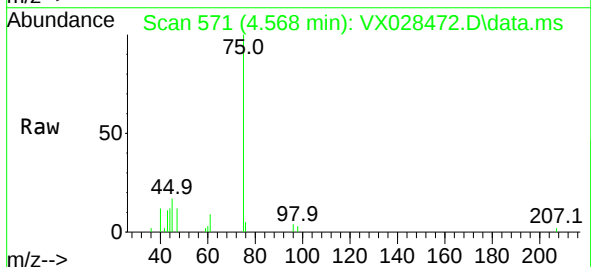
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

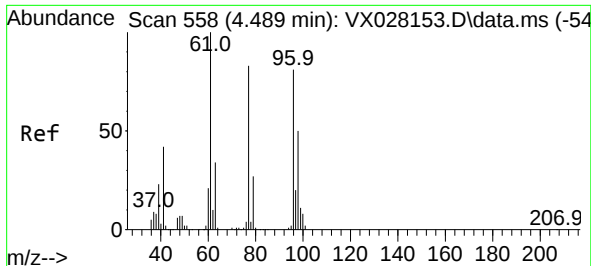
Tgt Ion: 63 Resp: 7774
Ion Ratio Lower Upper
63 100
98 11.0 3.9 11.7
100 7.6 2.4 7.2#



#25
2-Butanone
Concen: 0.240 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 6.138 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX028472.D

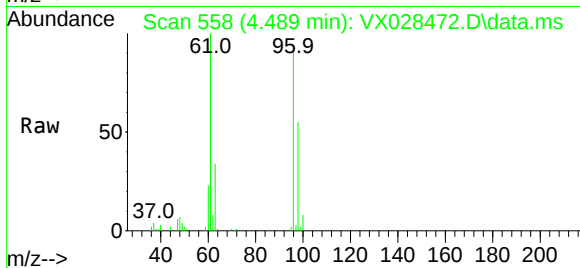
Acq: 02 May 2022 14:53

Instrument :

MSVOA_X

ClientSampleId :

MWBR3-B-117-137-042922DL



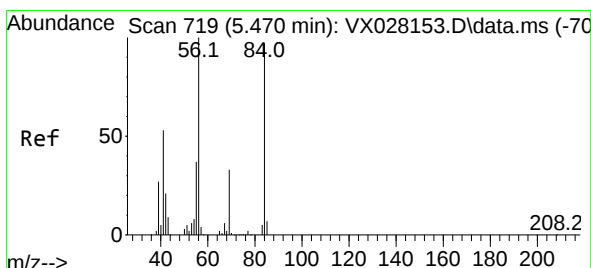
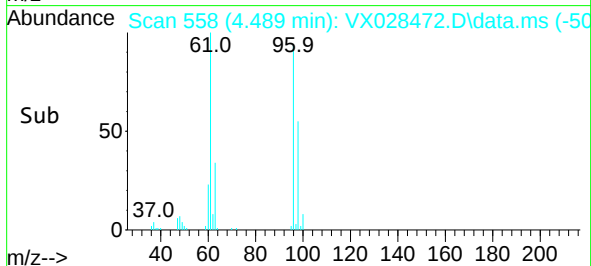
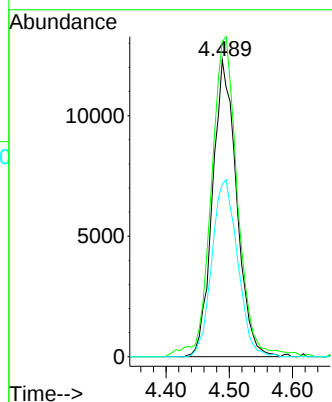
Tgt Ion: 96 Resp: 32529

Ion Ratio Lower Upper

96 100

61 117.3 0.0 283.8

98 63.7 0.0 129.8



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

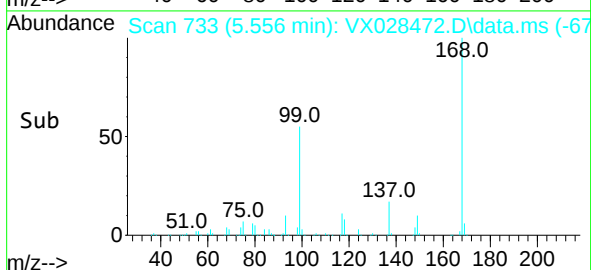
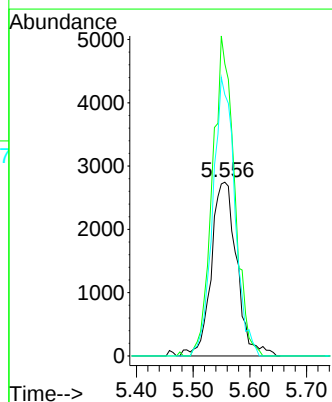
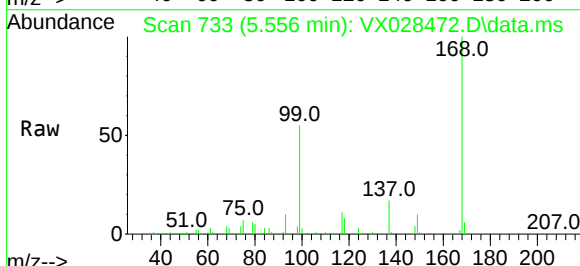
Tgt Ion: 56 Resp: 8566

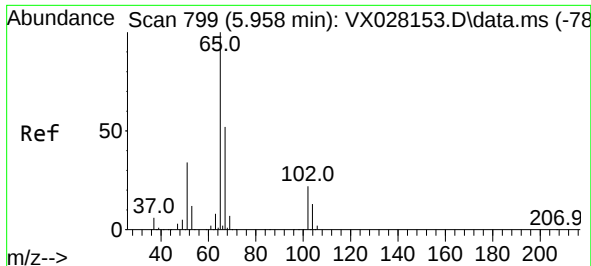
Ion Ratio Lower Upper

56 100

69 168.1 26.7 40.1#

84 150.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.311 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

Instrument :

MSVOA_X

ClientSampleId :

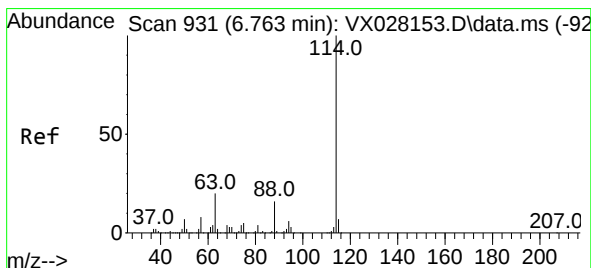
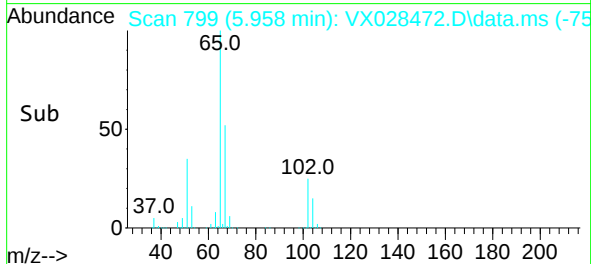
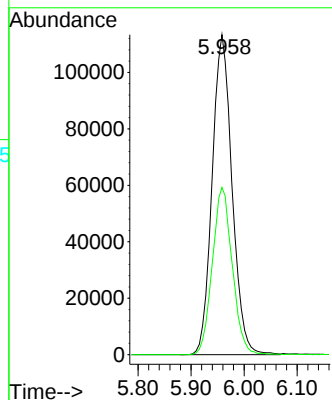
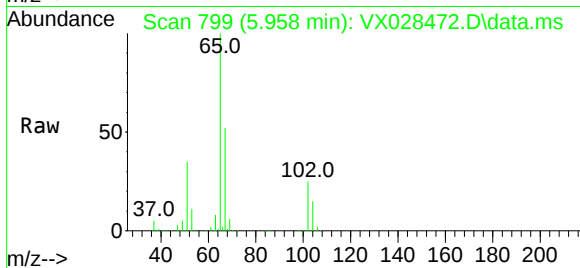
MWBR3-B-117-137-042922DL

Tgt Ion: 65 Resp: 295582

Ion Ratio Lower Upper

65 100

67 52.2 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: VX028472.D

Acq: 02 May 2022 14:53

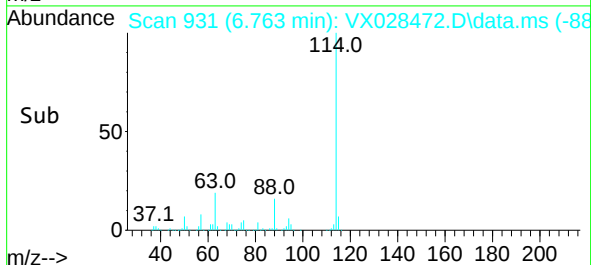
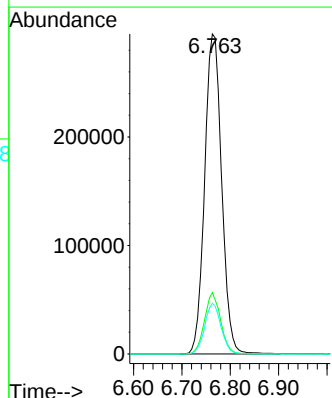
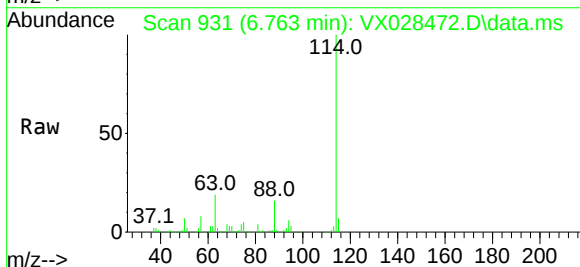
Tgt Ion: 114 Resp: 720824

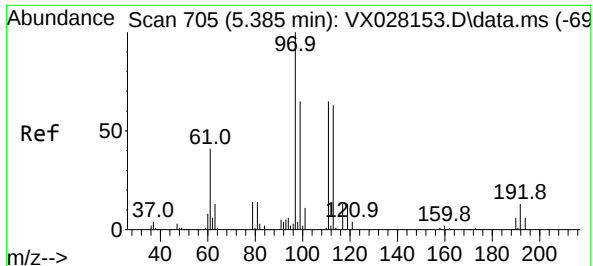
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.097 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

Instrument :

MSVOA_X

ClientSampleId :

MWBR3-B-117-137-042922DL

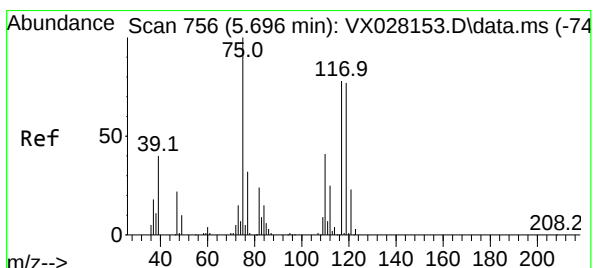
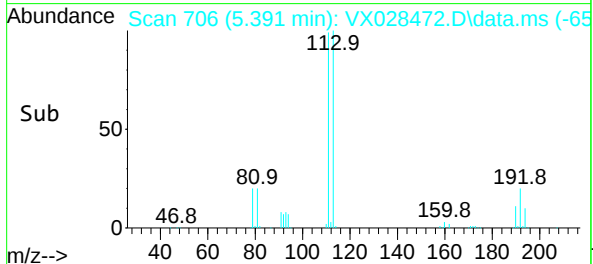
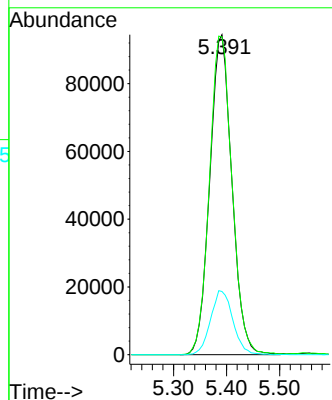
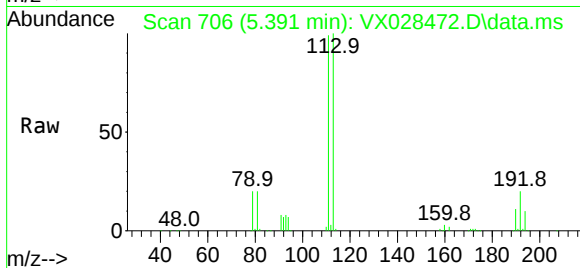
Tgt Ion:113 Resp: 273464

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

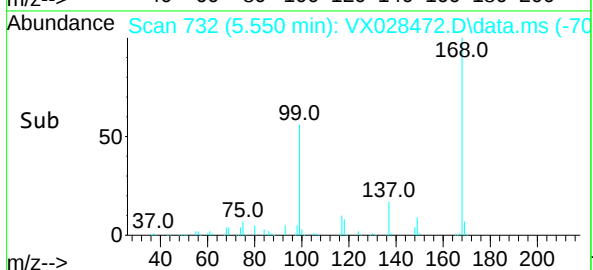
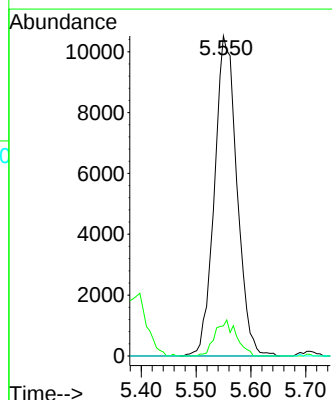
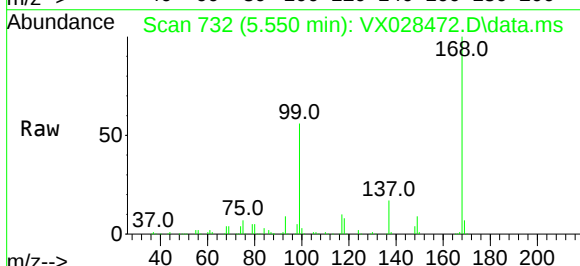
Tgt Ion: 75 Resp: 30004

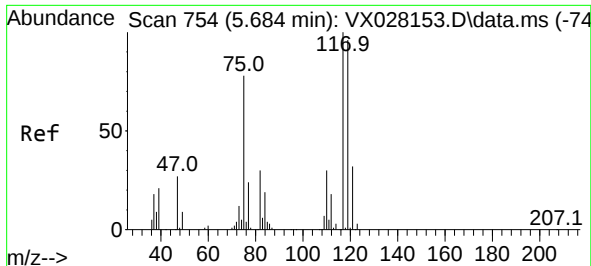
Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

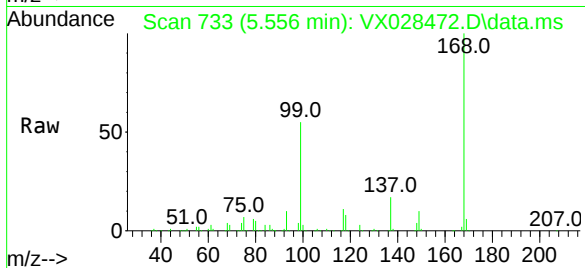
77 0.0 24.8 37.2#



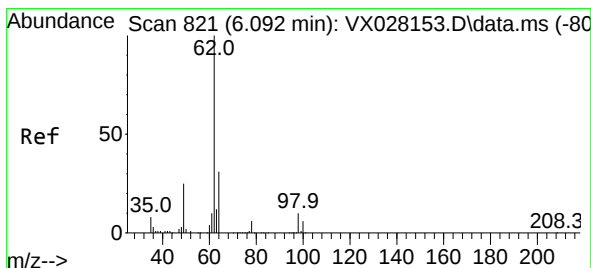
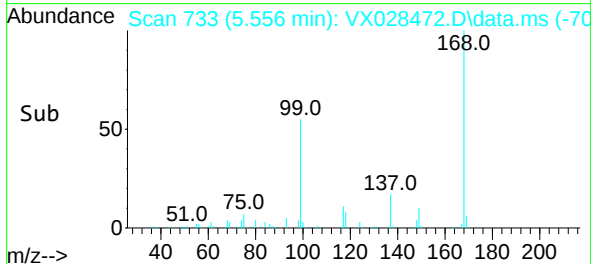
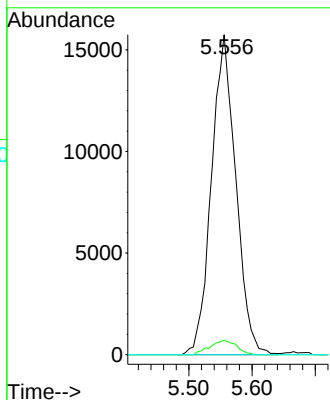


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

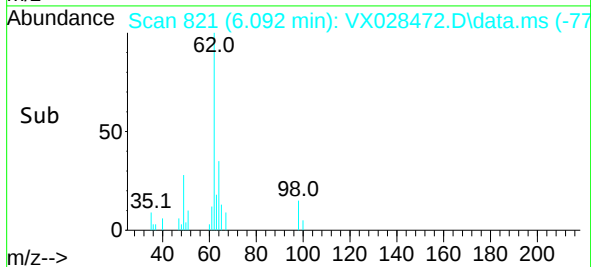
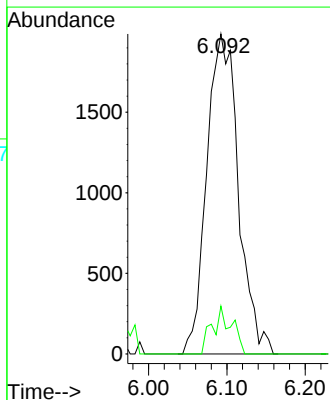
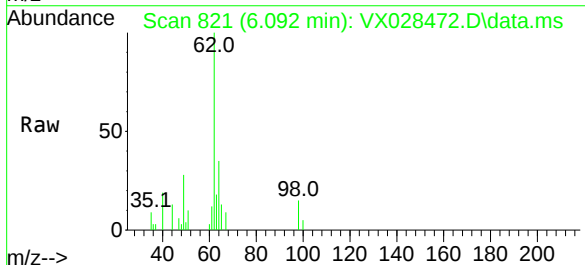


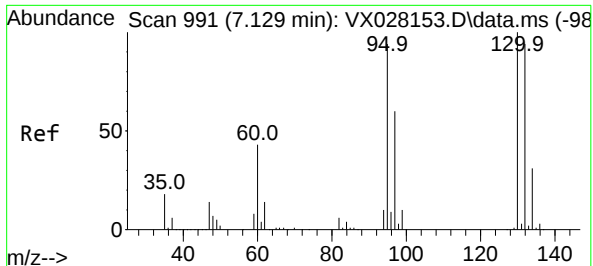
Tgt Ion: 117 Resp: 42043
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.778 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 62 Resp: 5571
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.4

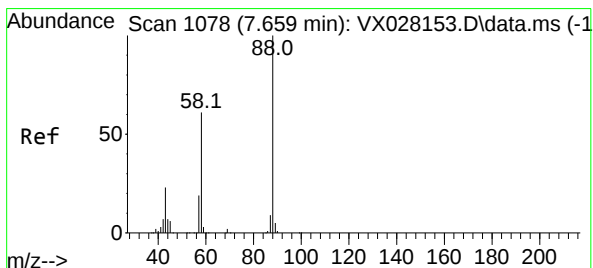
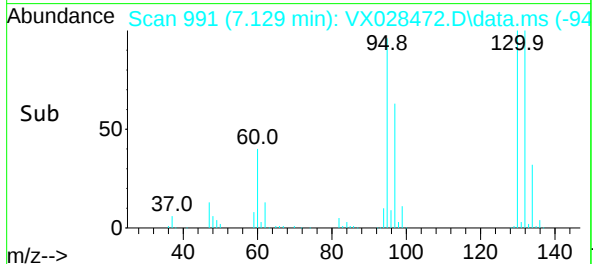
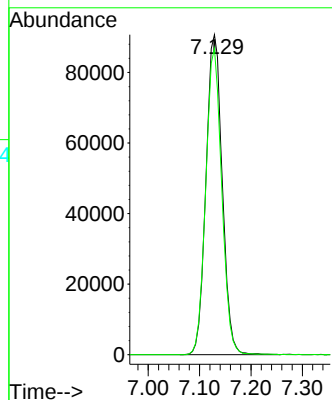
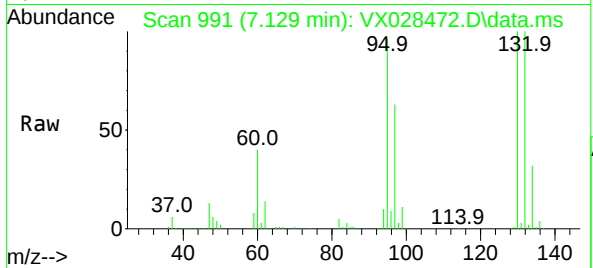




#44
Trichloroethene
Concen: 35.543 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

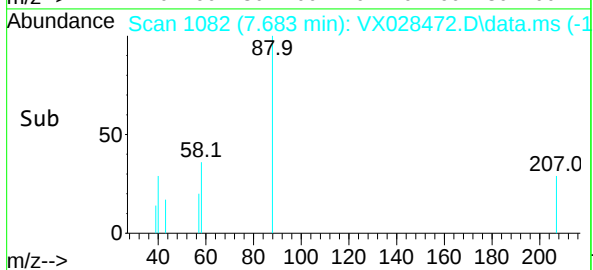
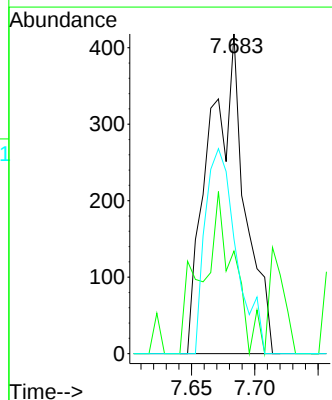
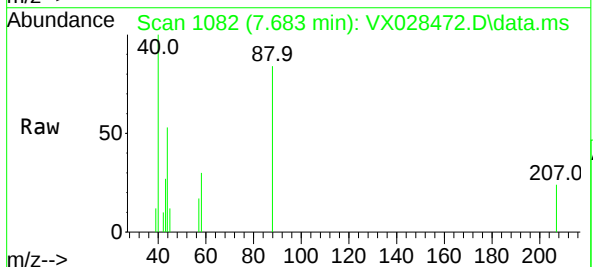
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

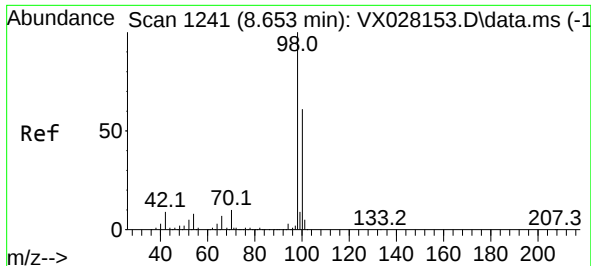
Tgt Ion:130 Resp: 198944
Ion Ratio Lower Upper
130 100
95 95.7 0.0 188.8



#49
1,4-Dioxane
Concen: 6.169 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 88 Resp: 825
Ion Ratio Lower Upper
88 100
43 42.7 21.9 32.9#
58 55.9 53.7 80.5

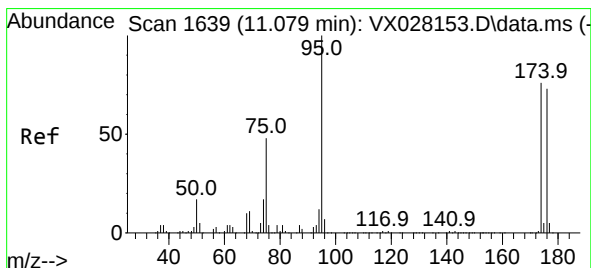
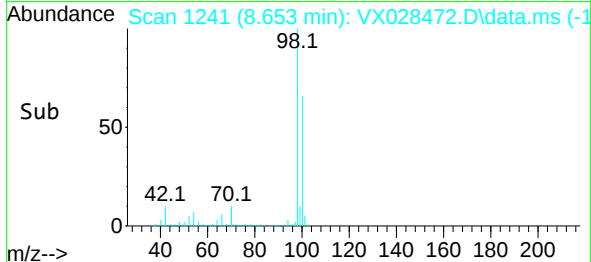
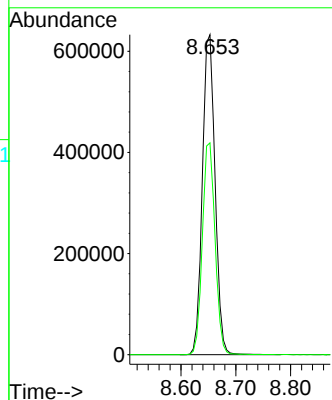
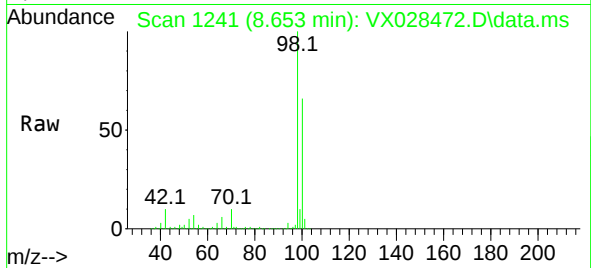




#50
Toluene-d8
Concen: 52.318 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

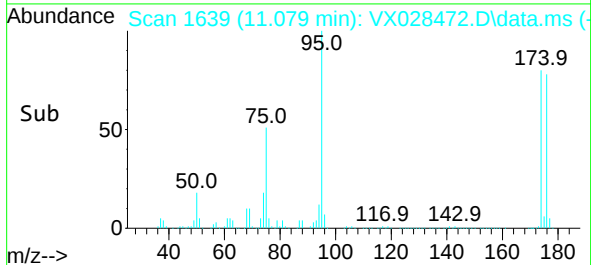
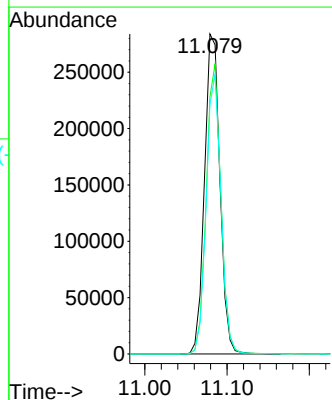
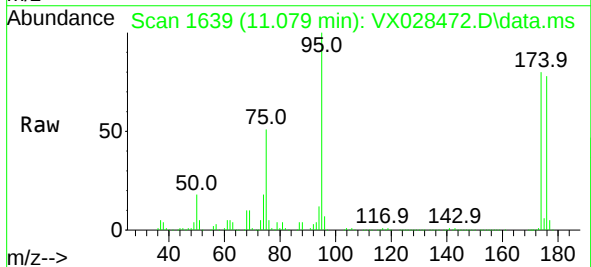
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

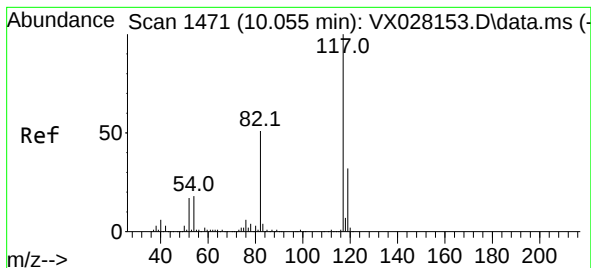
Tgt Ion: 98 Resp: 1015783
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 95 Resp: 369316
Ion Ratio Lower Upper
95 100
174 86.5 0.0 163.0
176 84.0 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

Instrument :

MSVOA_X

ClientSampleId :

MWBR3-B-117-137-042922DL

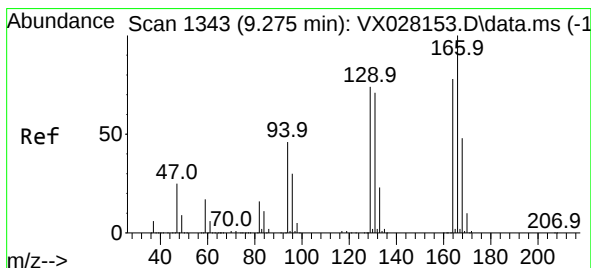
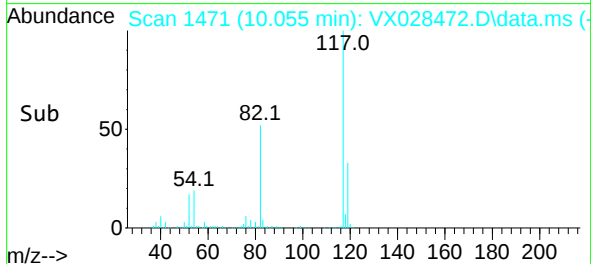
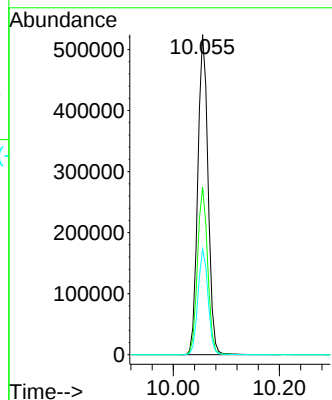
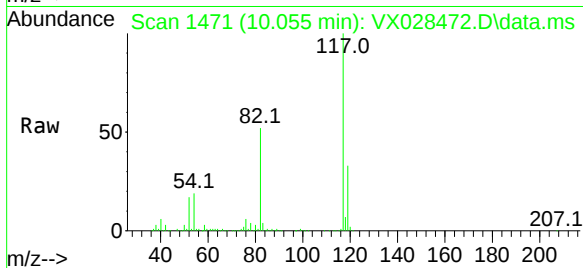
Tgt Ion:117 Resp: 704477

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

119 32.9 24.8 37.2



#64

Tetrachloroethene

Concen: 0.210 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX028472.D

Acq: 02 May 2022 14:53

Tgt Ion:164 Resp: 1156

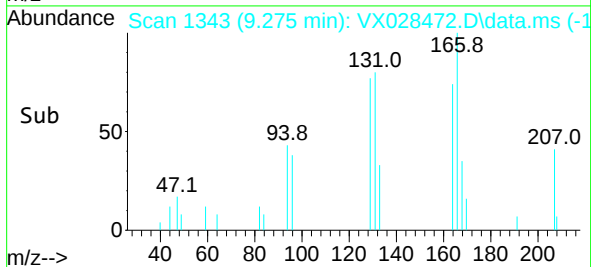
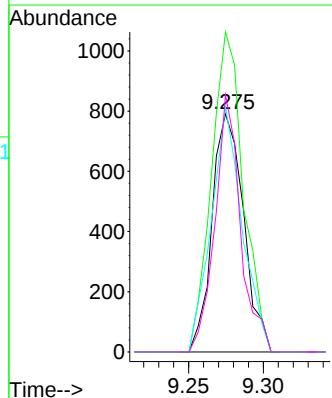
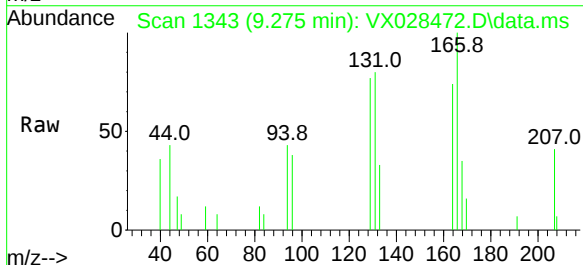
Ion Ratio Lower Upper

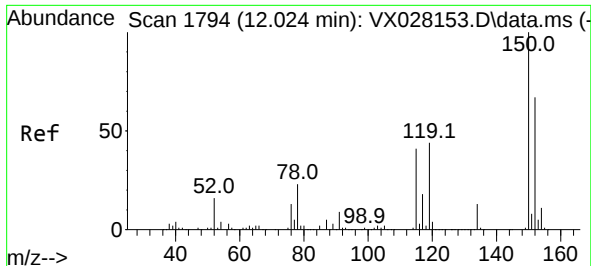
164 100

166 134.4 101.2 151.8

129 102.9 73.0 109.4

131 108.0 74.2 111.2

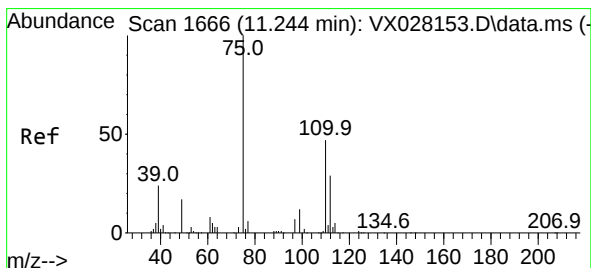
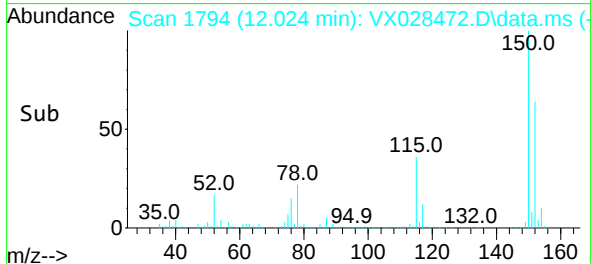
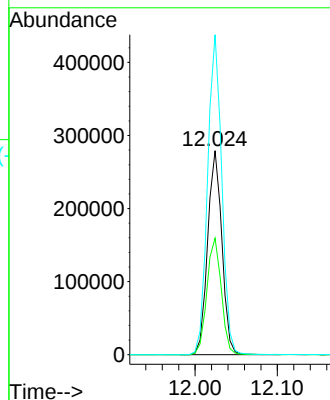
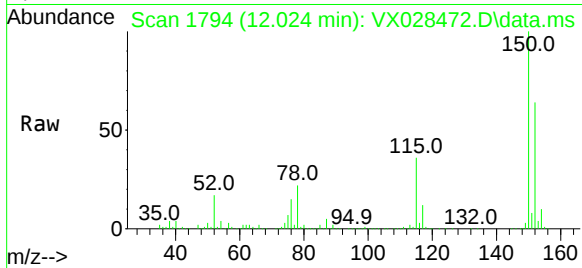




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028472.D
 Acq: 02 May 2022 14:53

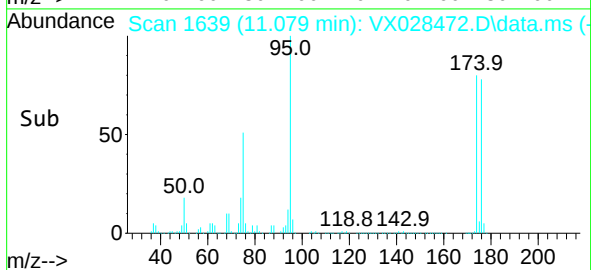
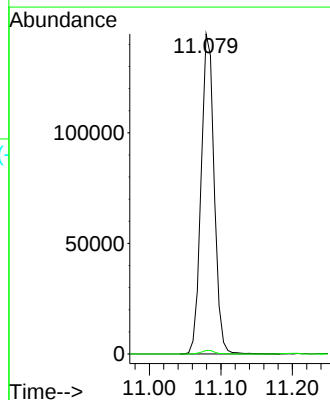
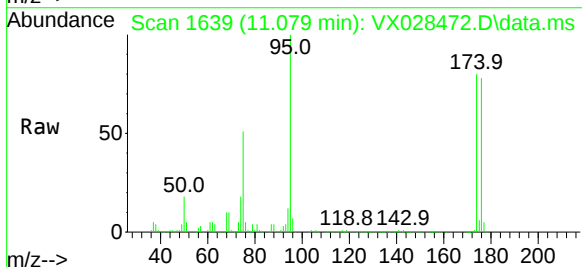
Instrument :
 MSVOA_X
 ClientSampleId :
 MWBR3-B-117-137-042922DL

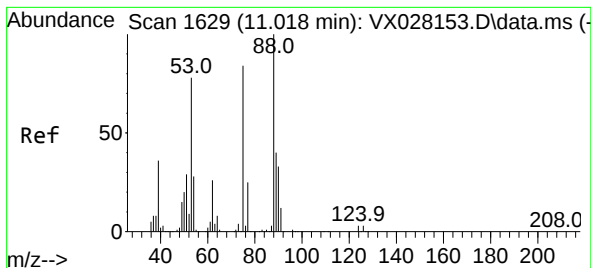
Tgt Ion:152 Resp: 336139
 Ion Ratio Lower Upper
 152 100
 115 57.7 37.5 112.7
 150 156.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 27.774 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028472.D
 Acq: 02 May 2022 14:53

Tgt Ion: 75 Resp: 183738
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

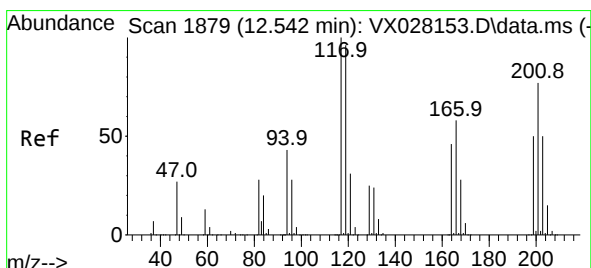
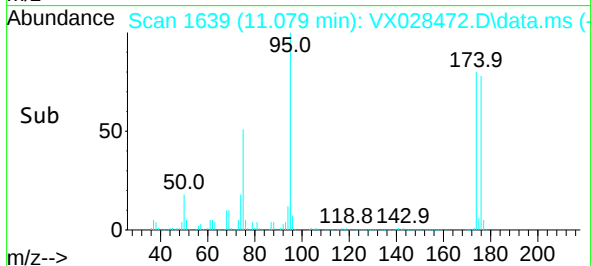
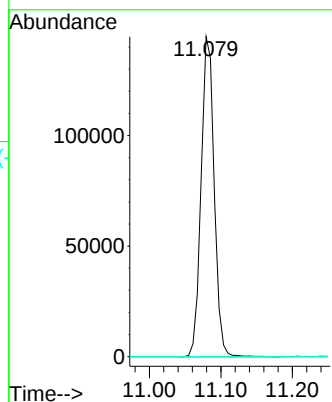
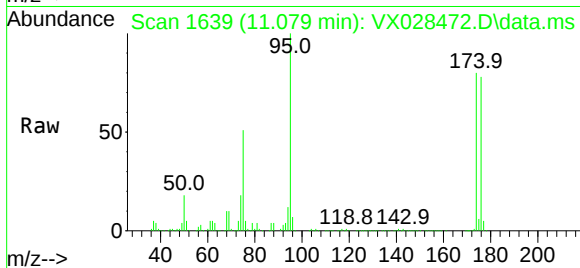




#81
trans-1,4-Dichloro-2-butene
Concen: 82.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

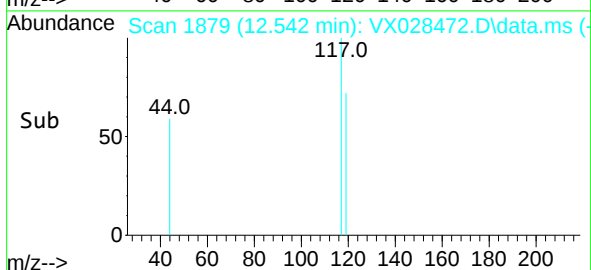
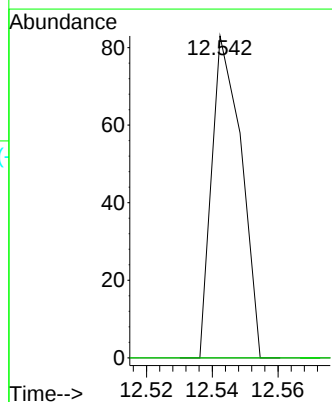
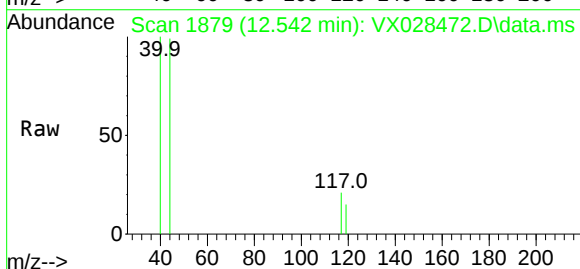
Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

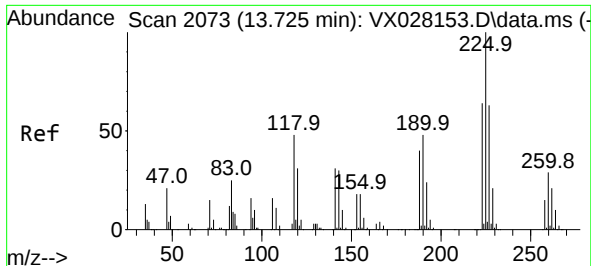
Tgt Ion: 75 Resp: 183738
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.827 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion: 117 Resp: 52
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

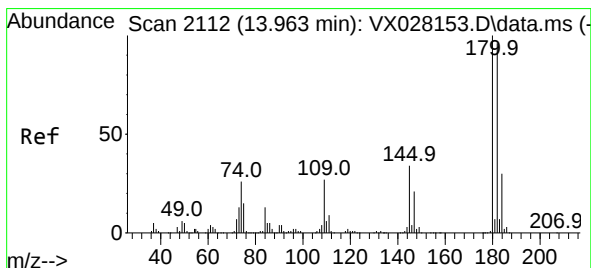
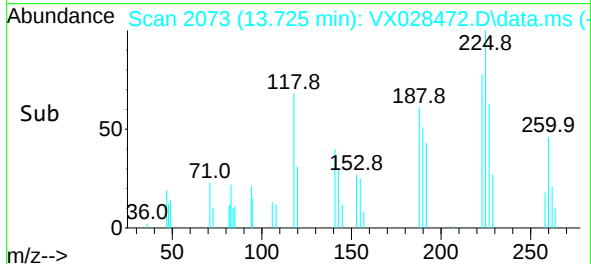
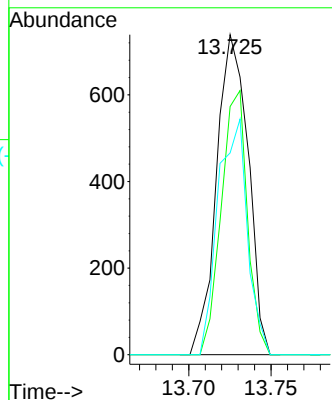
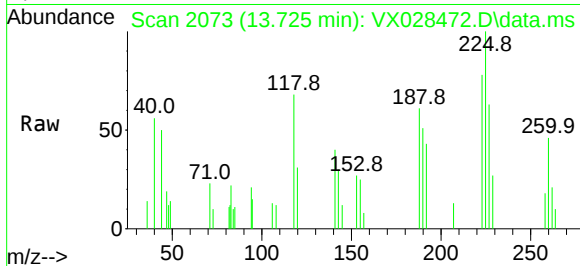




#94
Hexachlorobutadiene
Concen: 0.331 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Instrument :
MSVOA_X
ClientSampleId :
MWBR3-B-117-137-042922DL

Tgt Ion:225 Resp: 988
Ion Ratio Lower Upper
225 100
223 68.3 34.2 102.5
227 68.3 33.9 101.7



#96
1,2,3-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX028472.D
Acq: 02 May 2022 14:53

Tgt Ion:180 Resp: 1369
Ion Ratio Lower Upper
180 100
182 98.2 50.0 149.8
145 34.8 16.2 48.5

