

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028430.D
 Acq On : 29 Apr 2022 17:46
 Operator : JC/MD
 Sample : N2640-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWBR3D-B-480-500-042922-FD

Quant Time: Apr 30 09:16:26 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

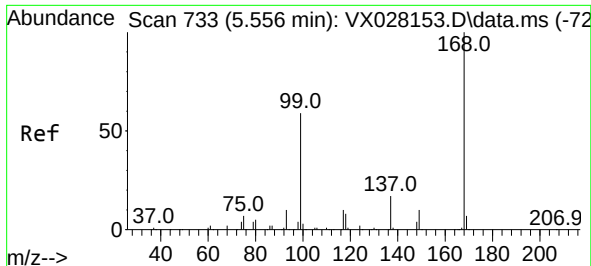
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	391358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	673980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	658473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	308407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	303280	59.433	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.860%			
35) Dibromofluoromethane	5.391	113	269102	56.934	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.860%			
50) Toluene-d8	8.653	98	997831	54.965	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.940%			
62) 4-Bromofluorobenzene	11.079	95	366915	52.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.720%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	460	Below Cal	#	42
4) Vinyl Chloride	1.374	62	1625	0.412	ug/l #	84
5) Bromomethane	1.612	94	1051	Below Cal	#	79
6) Chloroethane	1.685	64	293	Below Cal	#	52
10) Methyl Iodide	2.459	142	632	5.365	ug/l #	89
11) Tert butyl alcohol	2.953	59	931	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	197060	65.519	ug/l	96
16) Acetone	2.380	43	10619	5.448	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	1105	0.270	ug/l #	75
24) 1,1-Dichloroethane	3.611	63	23677	3.488	ug/l #	95
25) 2-Butanone	4.568	43	968	0.320	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	210009	43.059	ug/l	84
29) Tetrahydrofuran	5.013	42	505	0.256	ug/l #	25
30) Chloroform	5.099	83	3467	0.425	ug/l	97
31) Cyclohexane	5.556	56	7611	1.224	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28751	4.663	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38703	5.561	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	13813	2.062	ug/l	98
44) Trichloroethene	7.129	130	163679	31.275	ug/l	98
49) 1,4-Dioxane	7.665	88	4448	35.569	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	1817	0.278	ug/l	87
52) Toluene	8.720	92	178221	14.214	ug/l	100
53) t-1,3-Dichloropropene	8.720	75	1901	0.269	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	184234	30.353	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	184234	90.202	ug/l #	15
90) Hexachloroethane	12.701	117	77	1.835	ug/l #	10

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

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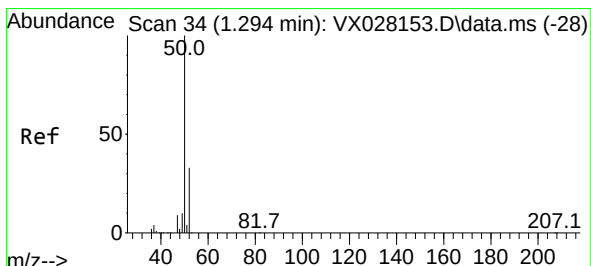
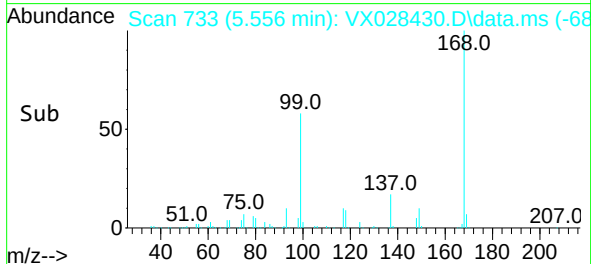
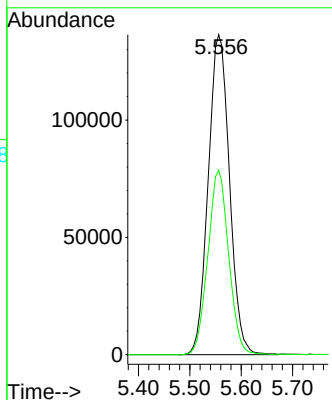
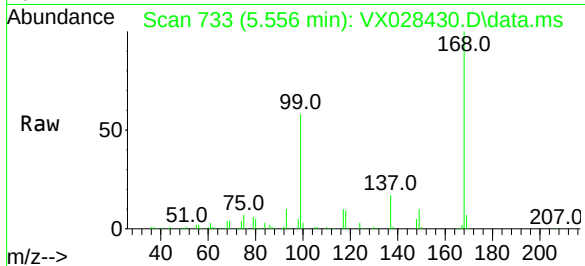




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

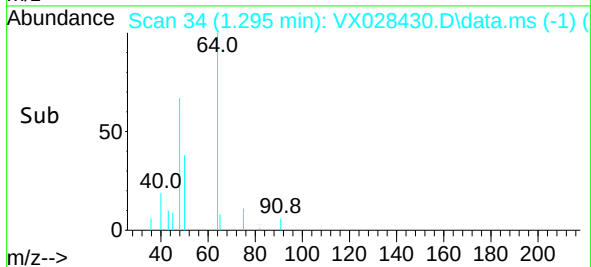
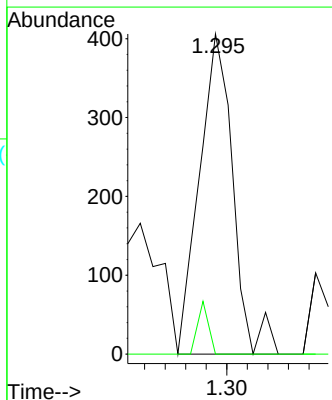
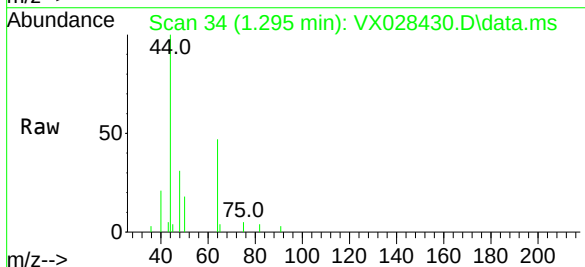
Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

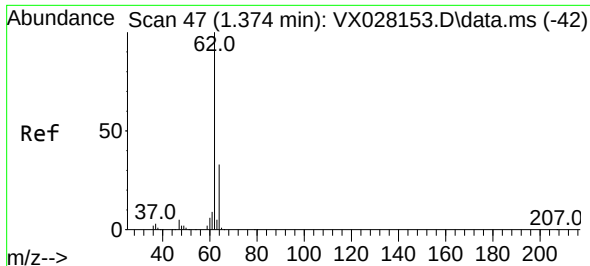
Tgt Ion:168 Resp: 391358
Ion Ratio Lower Upper
168 100
99 57.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

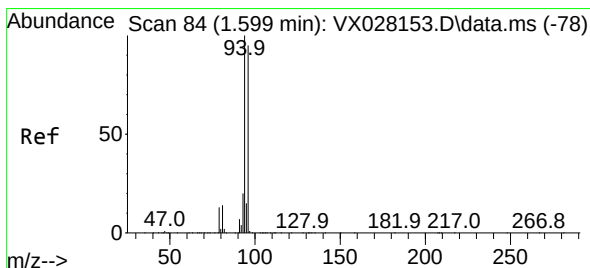
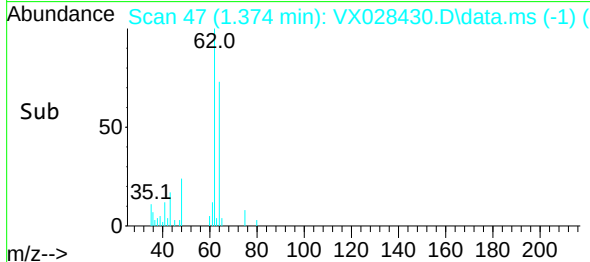
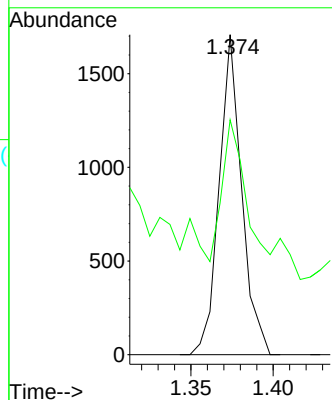
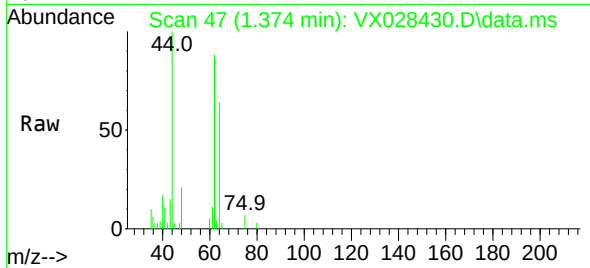




#4
 Vinyl Chloride
 Concen: 0.412 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX028430.D
 Acq: 29 Apr 2022 17:46

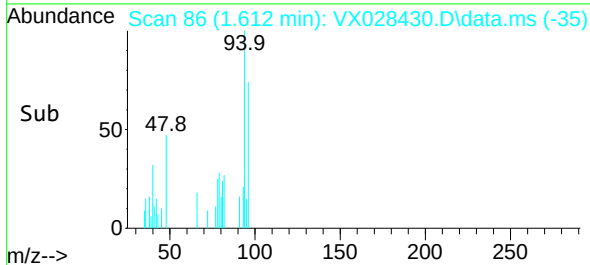
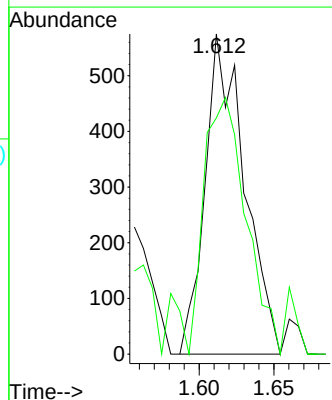
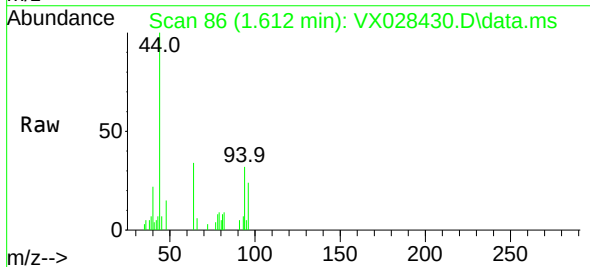
Instrument :
 MSVOA_X
 ClientSampleId :
 MWBR3D-B-480-500-042922-FD

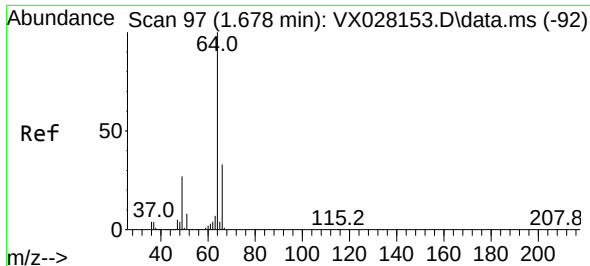
Tgt Ion: 62 Resp: 1625
 Ion Ratio Lower Upper
 62 100
 64 40.7 25.5 38.3#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.612 min Scan# 86
 Delta R.T. 0.013 min
 Lab File: VX028430.D
 Acq: 29 Apr 2022 17:46

Tgt Ion: 94 Resp: 1051
 Ion Ratio Lower Upper
 94 100
 96 73.7 75.3 112.9#

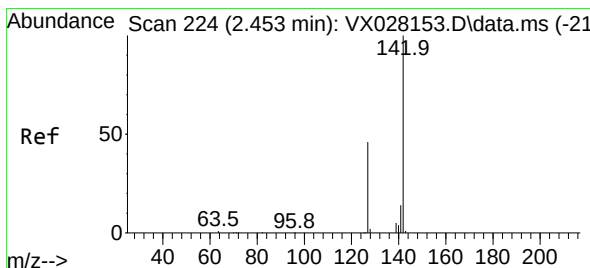
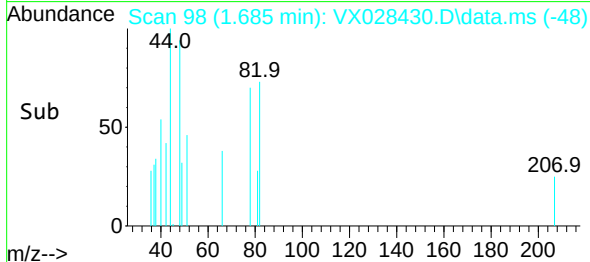
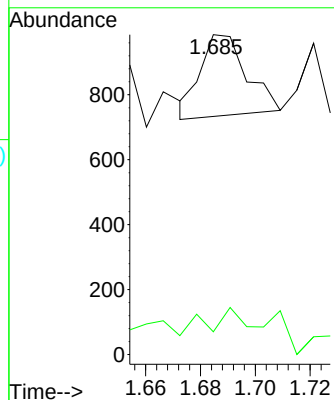
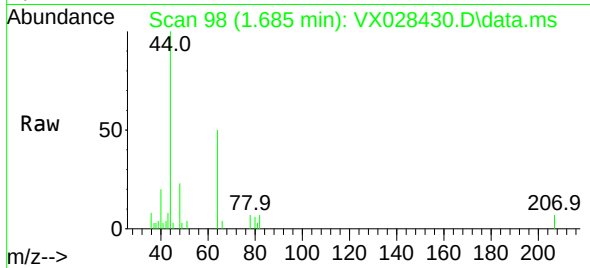




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

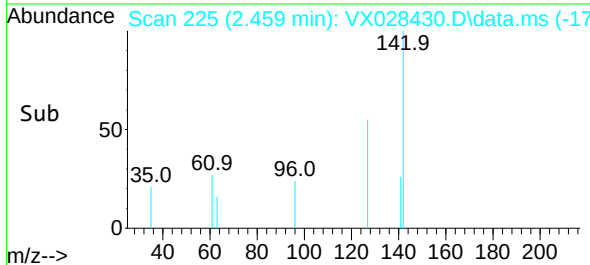
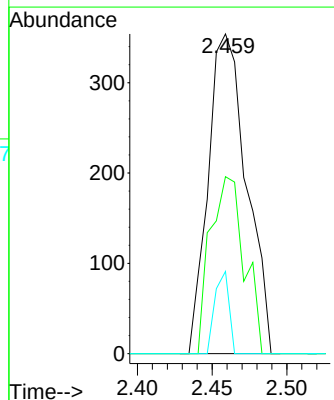
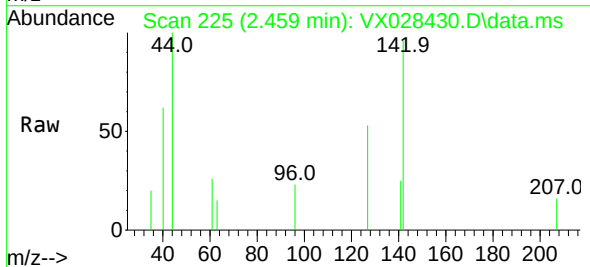
Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

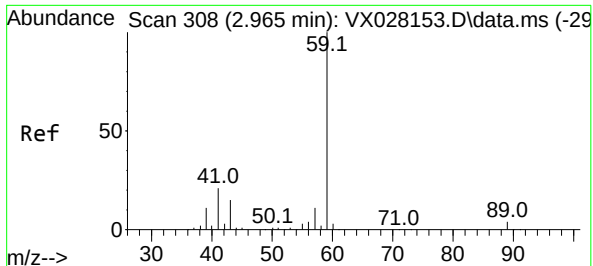
Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 5.2 25.3 37.9#



#10
Methyl Iodide
Concen: 5.365 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 142 Resp: 632
Ion Ratio Lower Upper
142 100
127 49.1 33.9 50.9
141 9.5 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

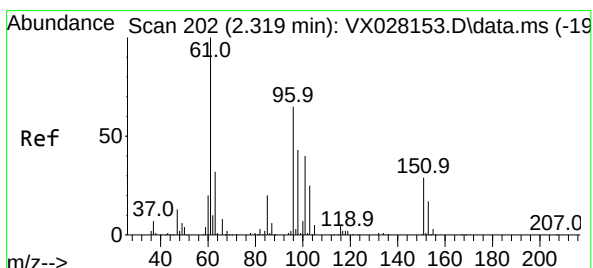
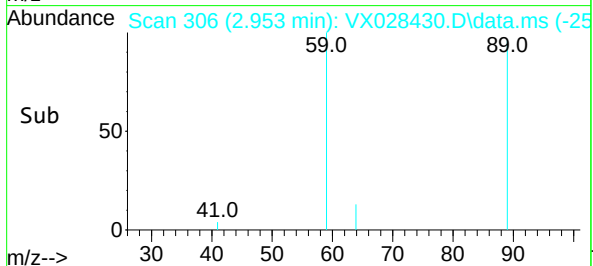
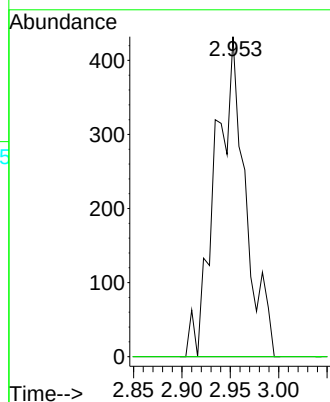
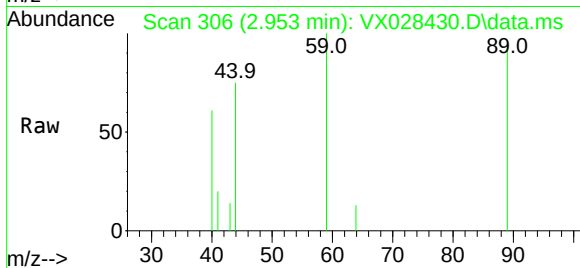
MWBR3D-B-480-500-042922-FD

Tgt Ion: 59 Resp: 931

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 65.519 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

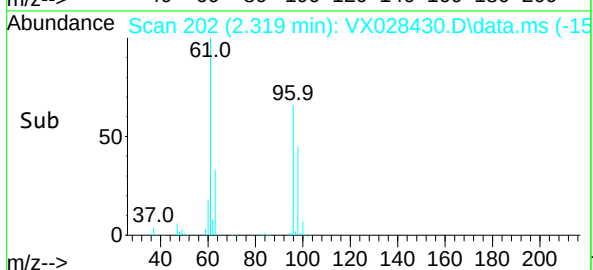
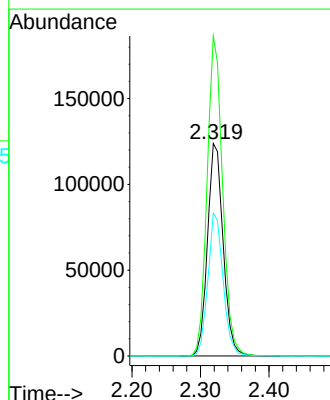
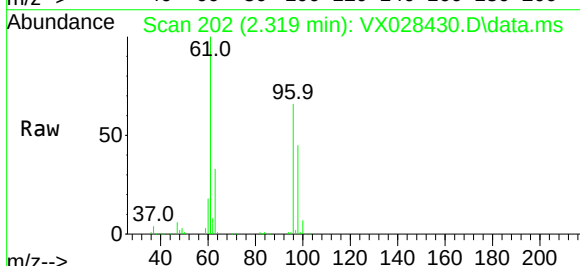
Tgt Ion: 96 Resp: 197060

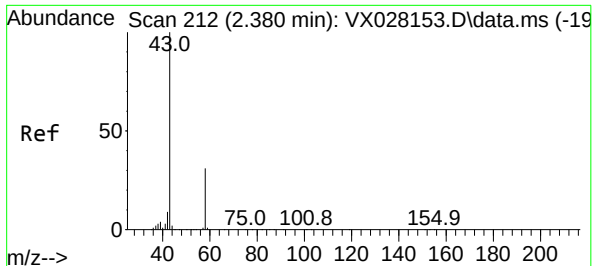
Ion Ratio Lower Upper

96 100

61 150.7 124.6 187.0

98 67.2 51.0 76.4

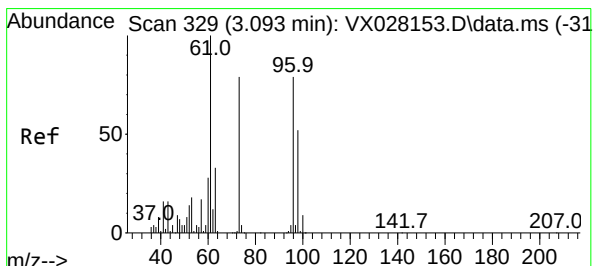
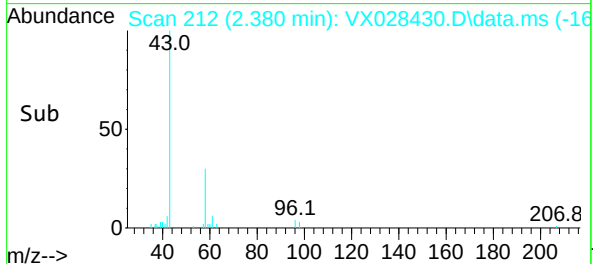
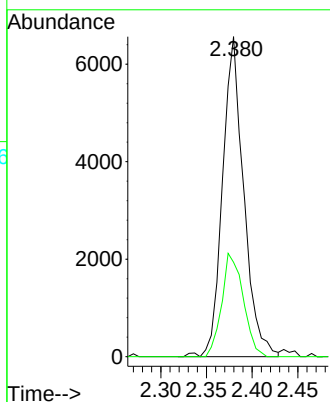
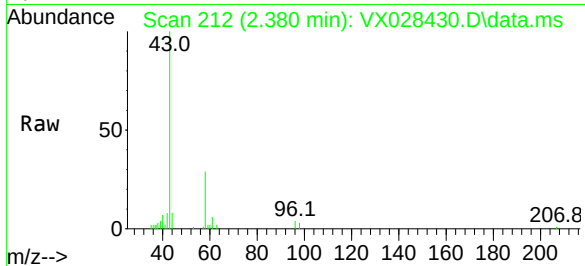




#16
Acetone
Concen: 5.448 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

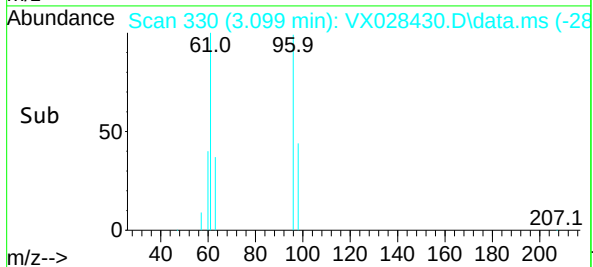
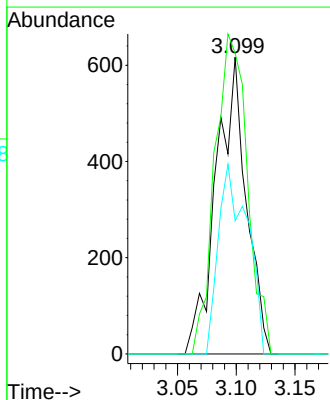
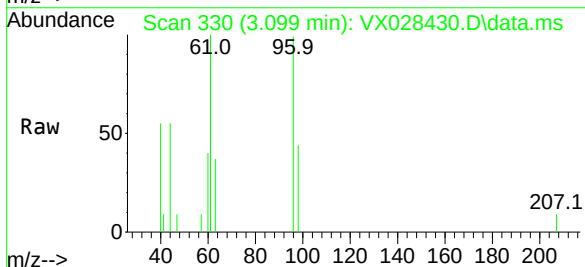
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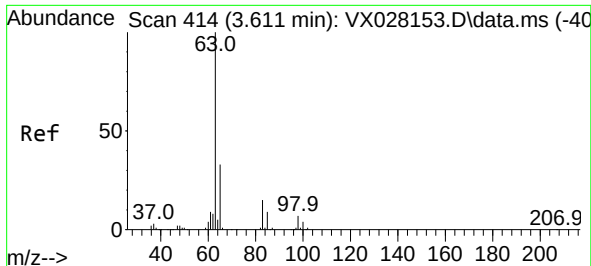
Tgt Ion: 43 Resp: 10619
Ion Ratio Lower Upper
43 100
58 29.5 28.8 43.2



#21
trans-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 96 Resp: 1105
Ion Ratio Lower Upper
96 100
61 101.3 105.4 158.2#
98 44.9 50.0 75.0#

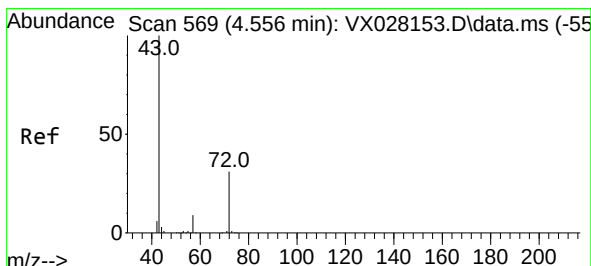
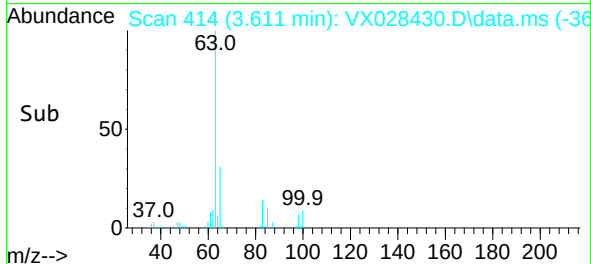
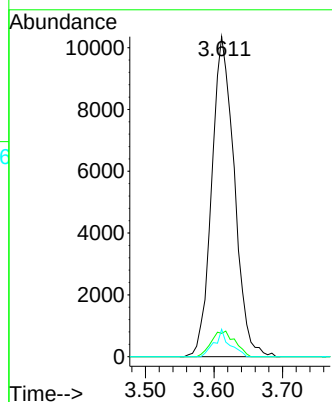
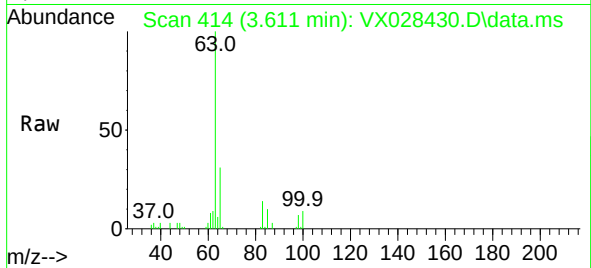




#24
1,1-Dichloroethane
Concen: 3.488 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

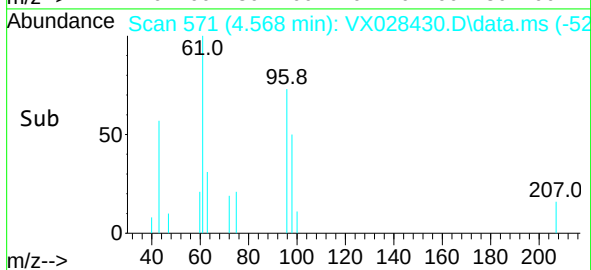
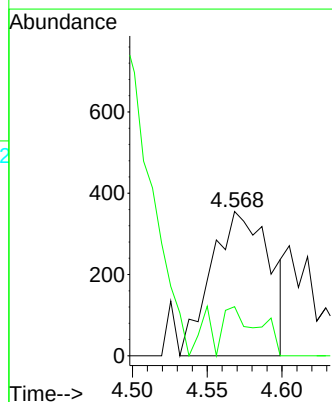
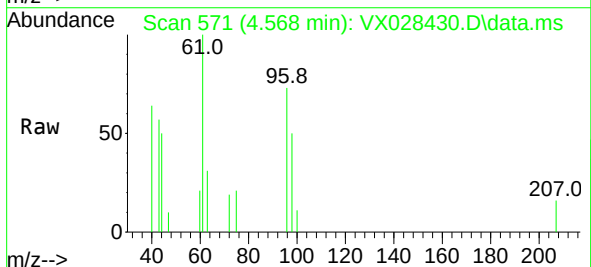
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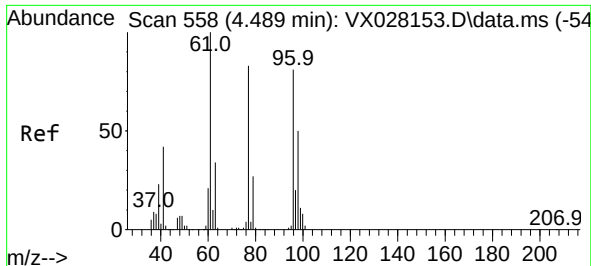
Tgt Ion: 63 Resp: 23677
Ion Ratio Lower Upper
63 100
98 7.3 3.9 11.7
100 8.6 2.4 7.2#



#25
2-Butanone
Concen: 0.320 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
72 34.1 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 43.059 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028430.D

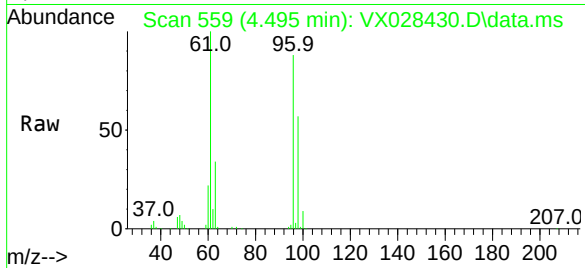
Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

MWBR3D-B-480-500-042922-FD



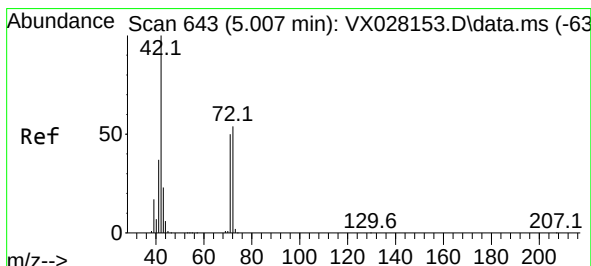
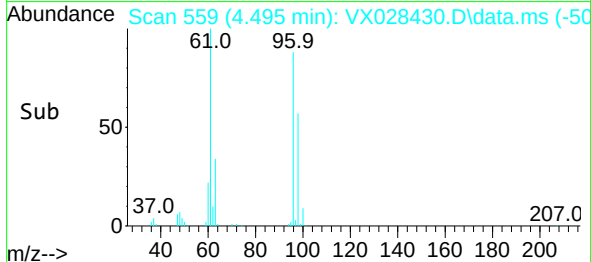
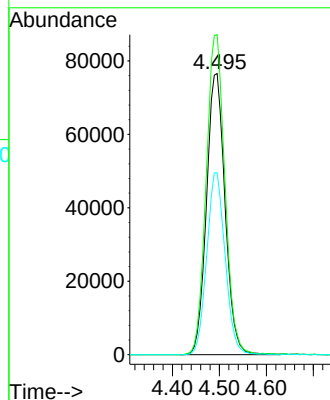
Tgt Ion: 96 Resp: 210009

Ion Ratio Lower Upper

96 100

61 114.6 0.0 283.8

98 64.1 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

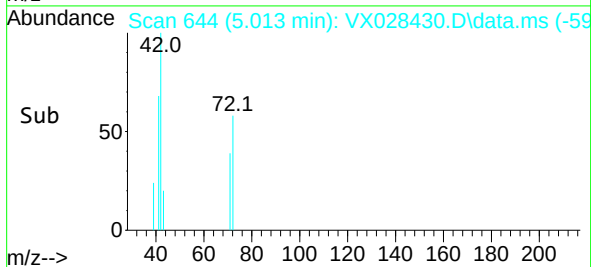
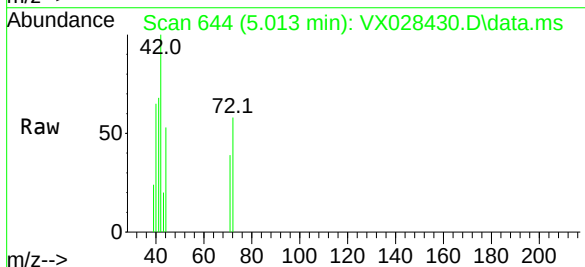
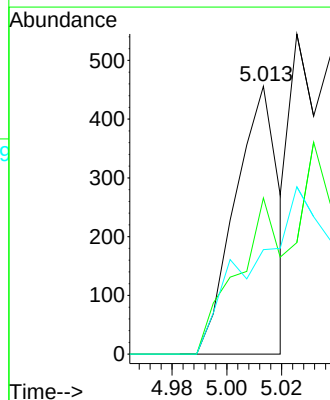
Tgt Ion: 42 Resp: 505

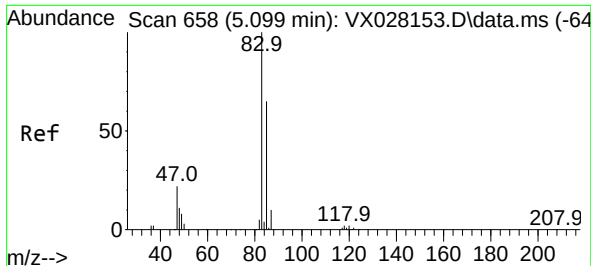
Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#





#30

Chloroform

Concen: 0.425 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

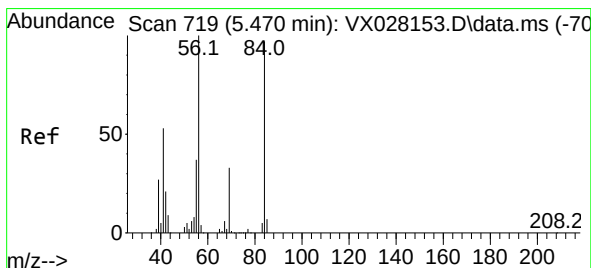
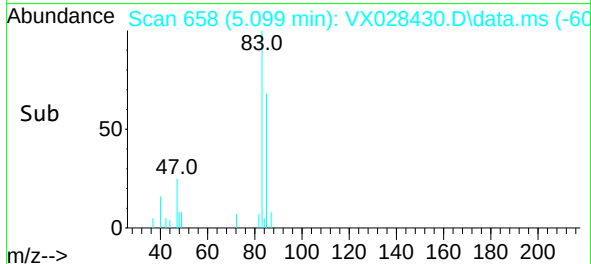
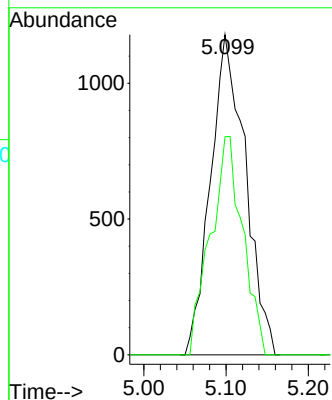
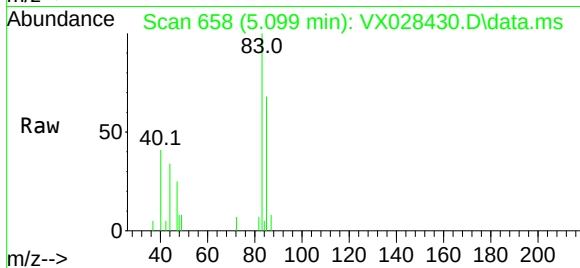
MWBR3D-B-480-500-042922-FD

Tgt Ion: 83 Resp: 3467

Ion Ratio Lower Upper

83 100

85 68.1 52.7 79.1



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

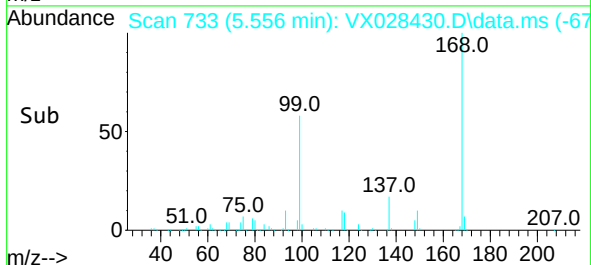
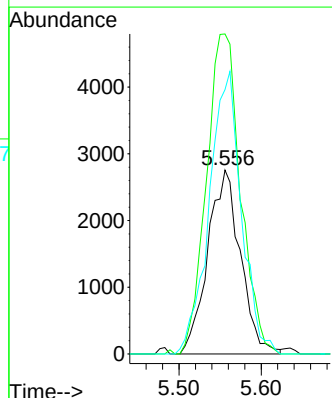
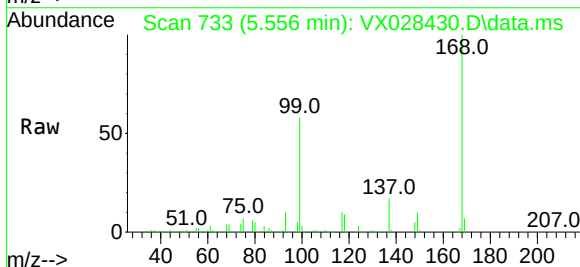
Tgt Ion: 56 Resp: 7611

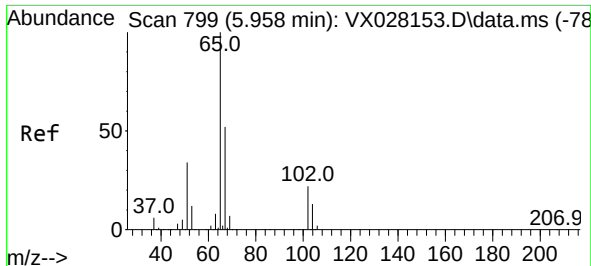
Ion Ratio Lower Upper

56 100

69 174.1 26.7 40.1#

84 143.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 59.433 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_X

ClientSampleId :

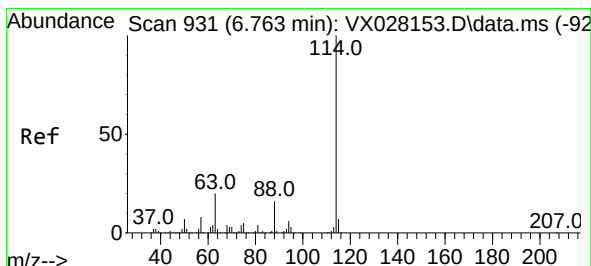
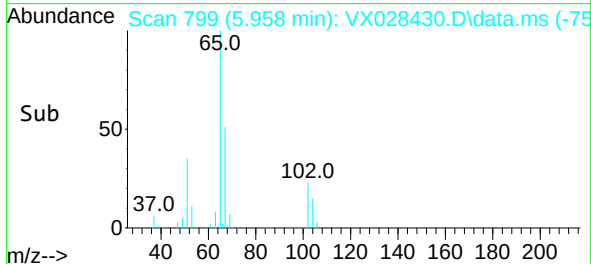
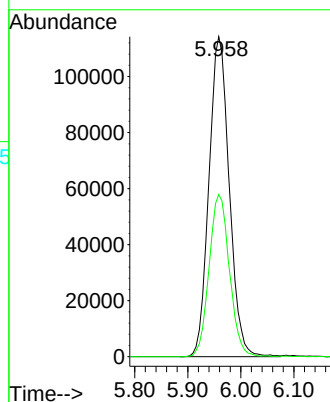
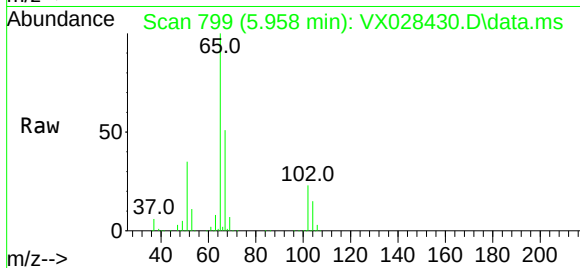
MWBR3D-B-480-500-042922-FD

Tgt Ion: 65 Resp: 303280

Ion Ratio Lower Upper

65 100

67 50.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028430.D

Acq: 29 Apr 2022 17:46

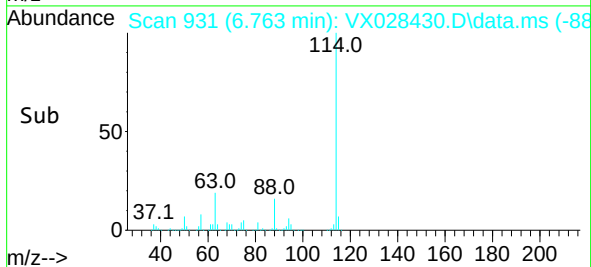
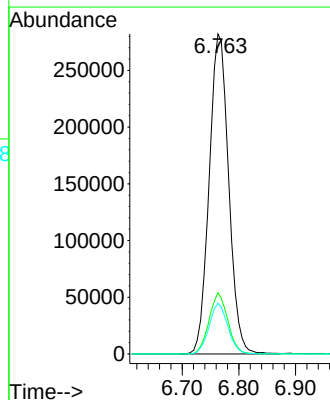
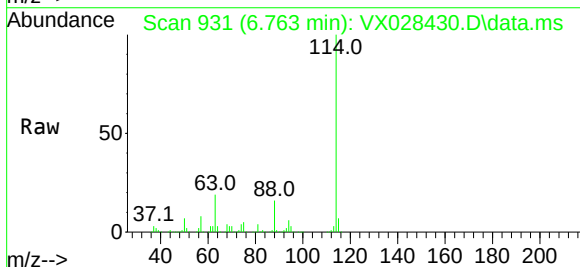
Tgt Ion: 114 Resp: 673980

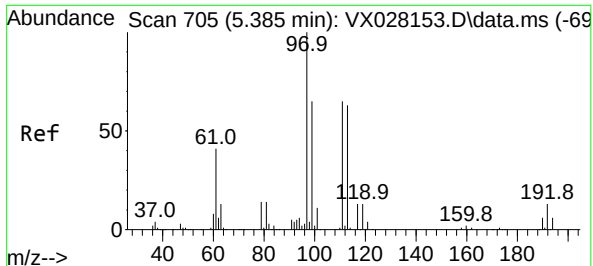
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.8

88 15.8 0.0 32.4

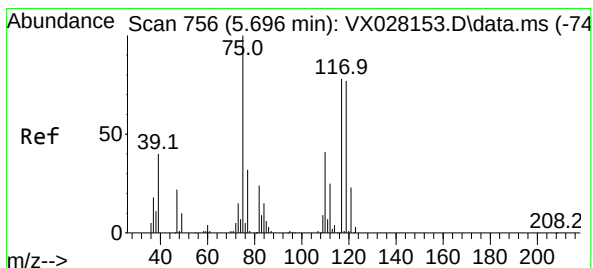
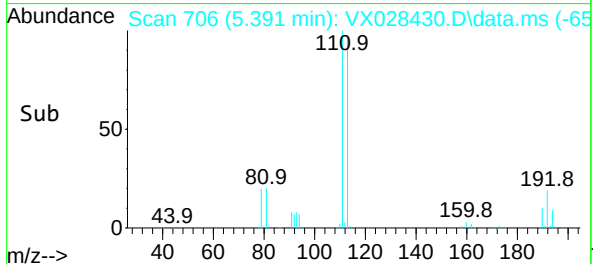
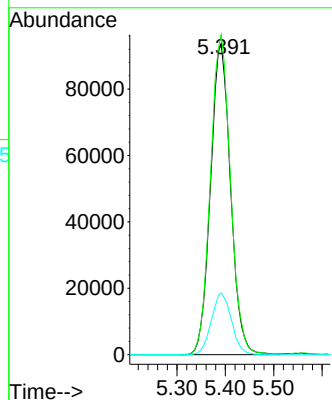
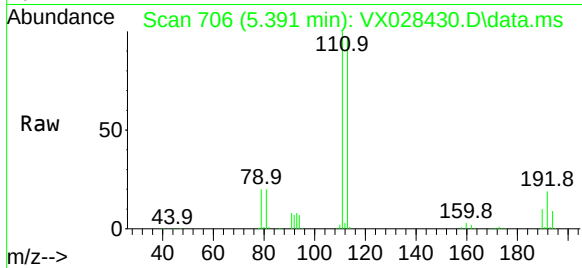




#35
Dibromofluoromethane
Concen: 56.934 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

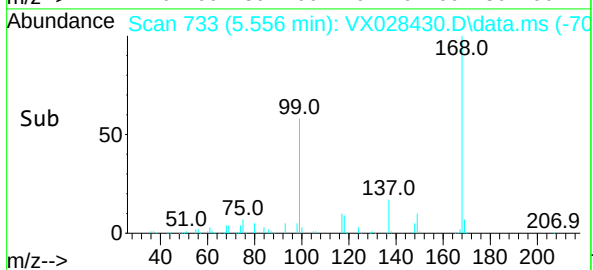
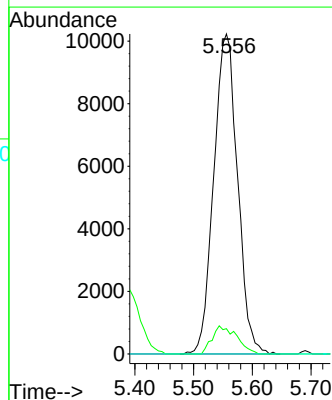
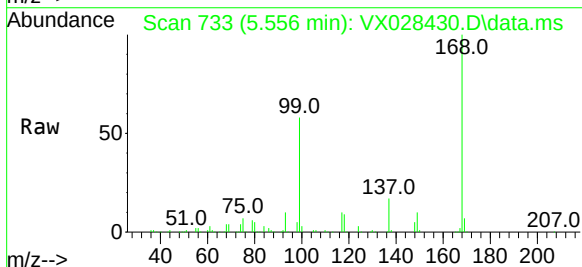
Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

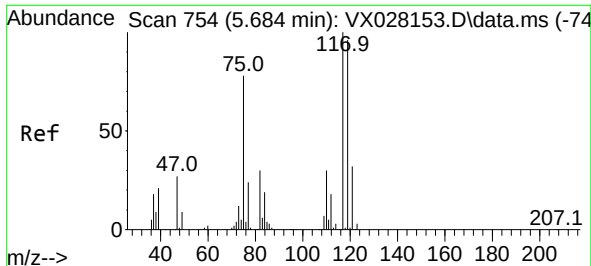
Tgt Ion:113 Resp: 269102
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.663 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

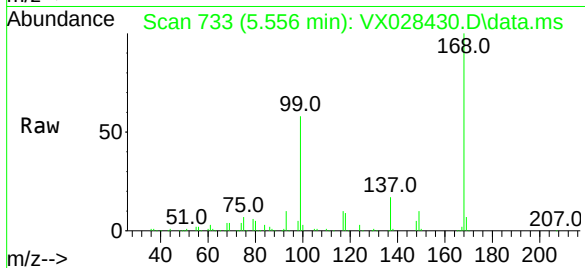
Tgt Ion: 75 Resp: 28751
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 24.8 37.2#



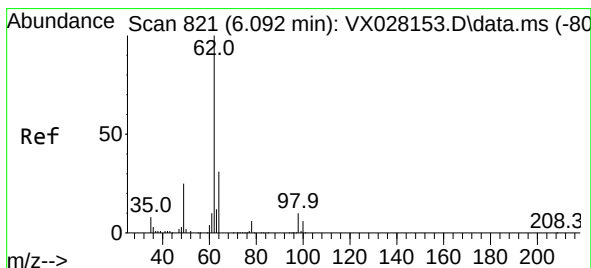
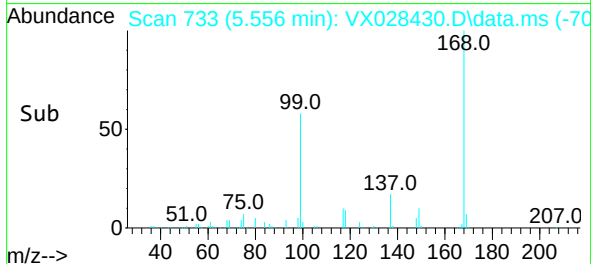
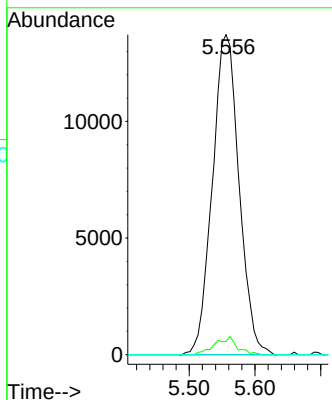


#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

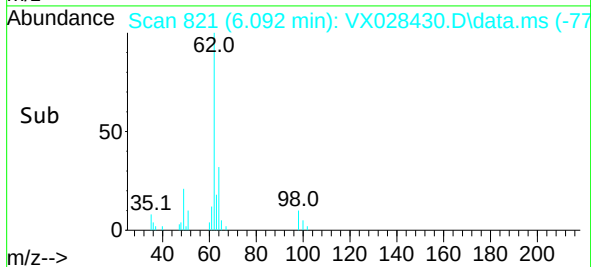
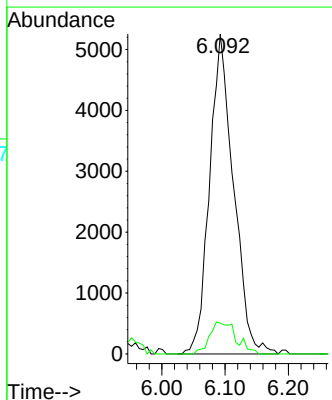
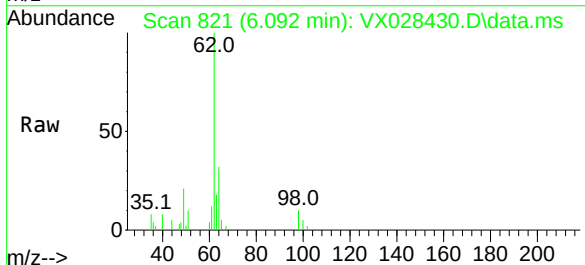


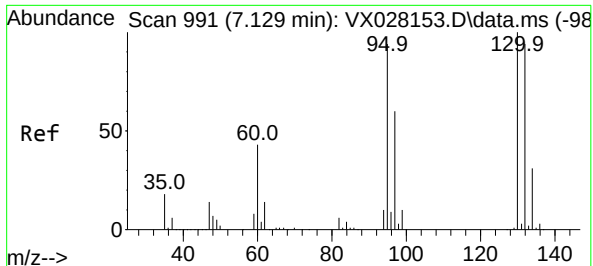
Tgt Ion:117 Resp: 38703
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 2.062 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

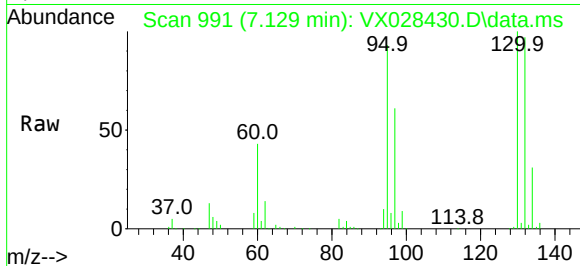
Tgt Ion: 62 Resp: 13813
Ion Ratio Lower Upper
62 100
98 11.1 0.0 20.4



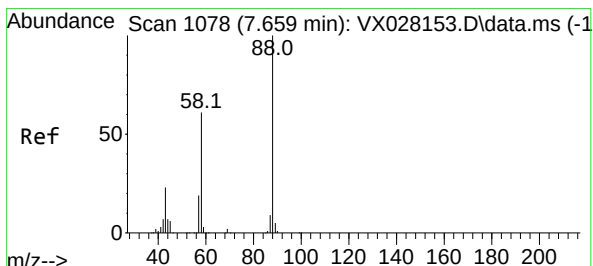
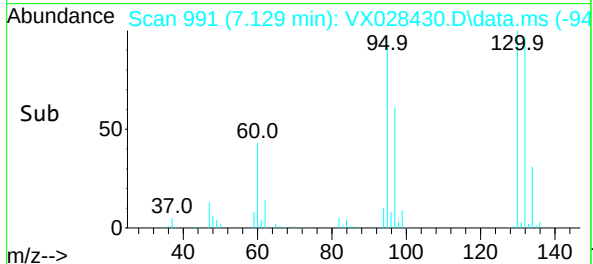
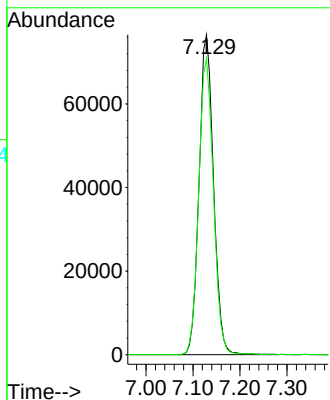


#44
Trichloroethene
Concen: 31.275 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

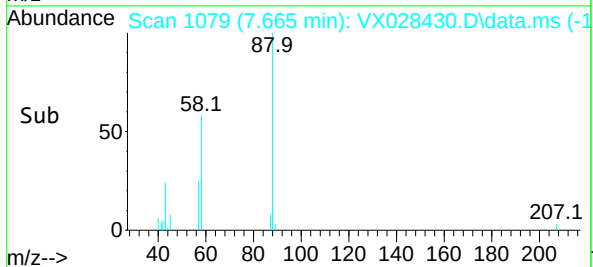
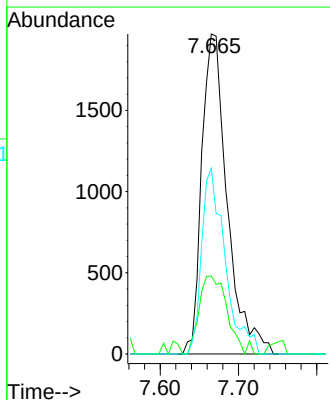
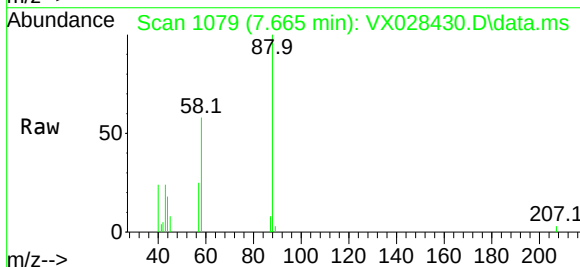


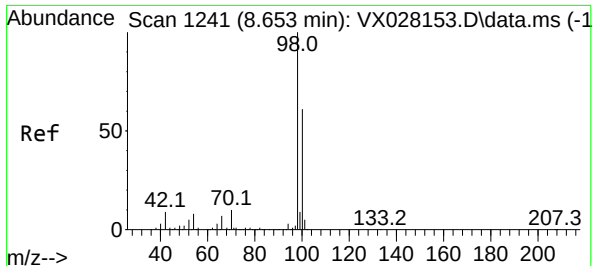
Tgt Ion:130 Resp: 163679
Ion Ratio Lower Upper
130 100
95 92.7 0.0 188.8



#49
1,4-Dioxane
Concen: 35.569 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 88 Resp: 4448
Ion Ratio Lower Upper
88 100
43 26.8 21.9 32.9
58 53.6 53.7 80.5#

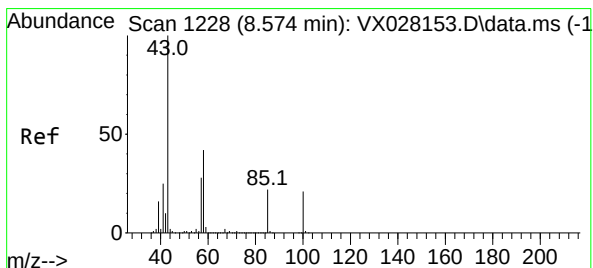
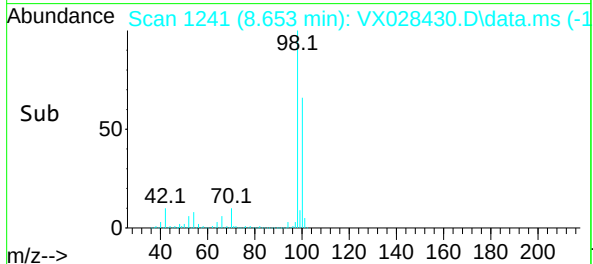
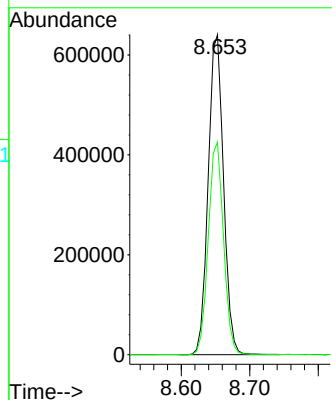
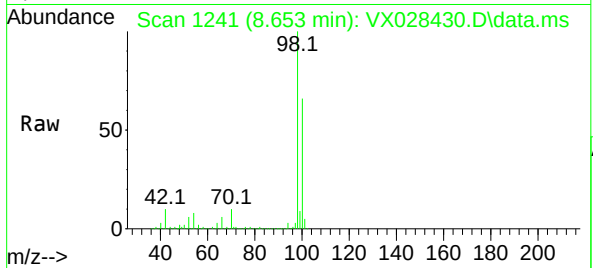




#50
Toluene-d8
Concen: 54.965 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

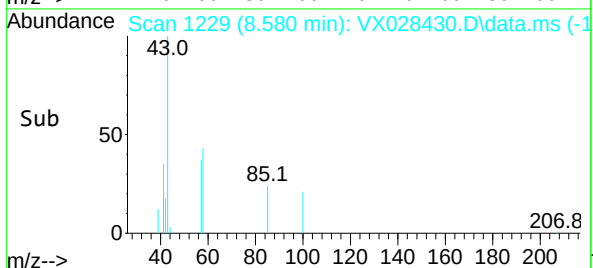
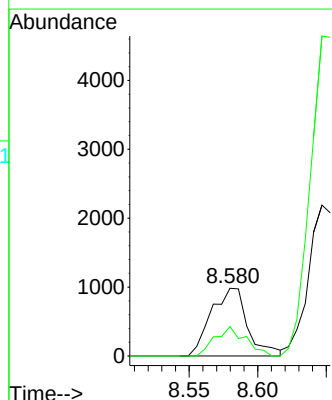
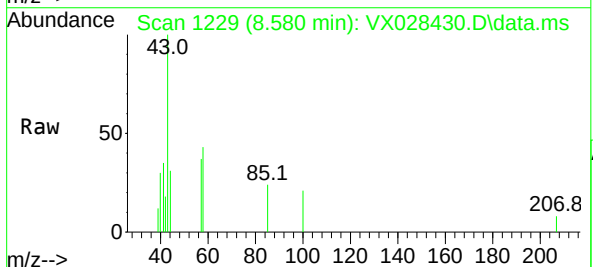
Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

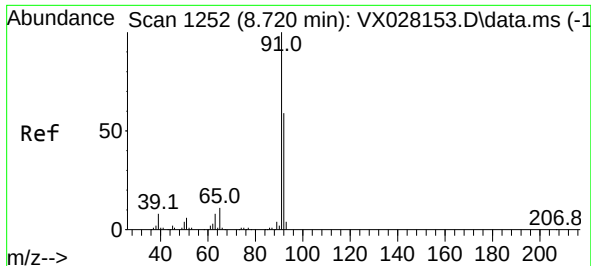
Tgt Ion: 98 Resp: 997831
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.278 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
58 36.4 36.1 54.1

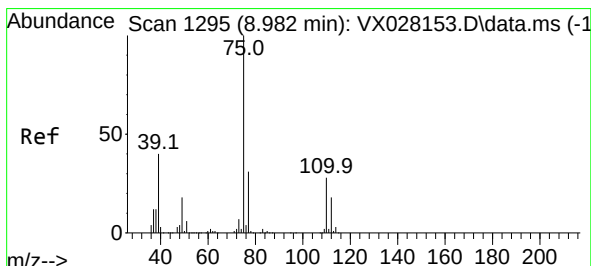
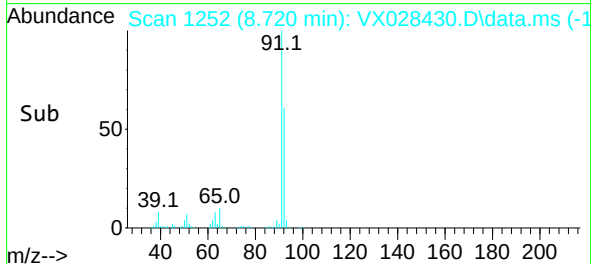
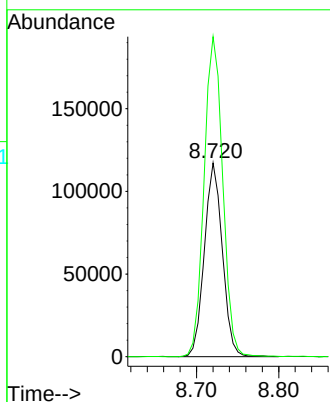
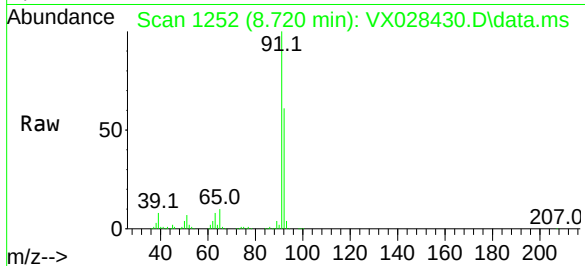




#52
Toluene
Concen: 14.214 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

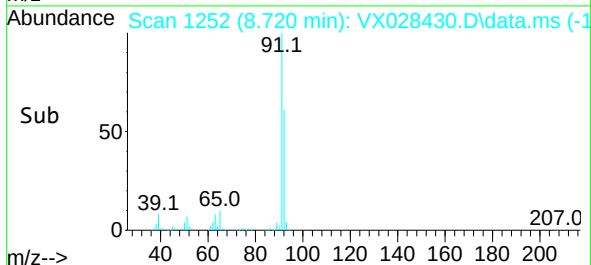
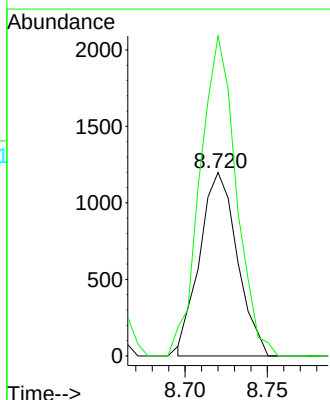
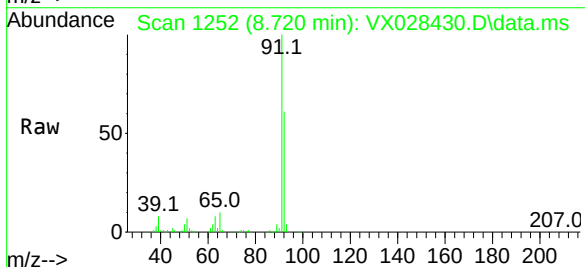
Instrument : MSVOA_X
ClientSampleId : MWBR3D-B-480-500-042922-FD

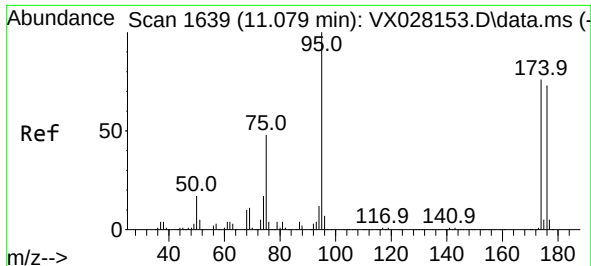
Tgt Ion: 92 Resp: 178221
Ion Ratio Lower Upper
92 100
91 171.2 137.5 206.3



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 75 Resp: 1901
Ion Ratio Lower Upper
75 100
77 174.4 25.4 38.0#

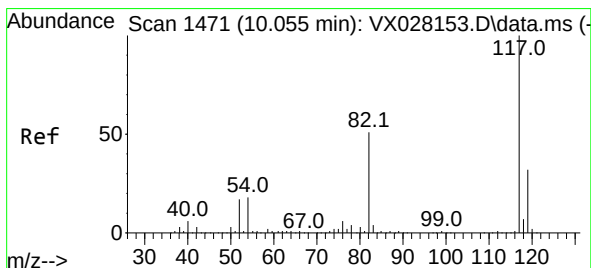
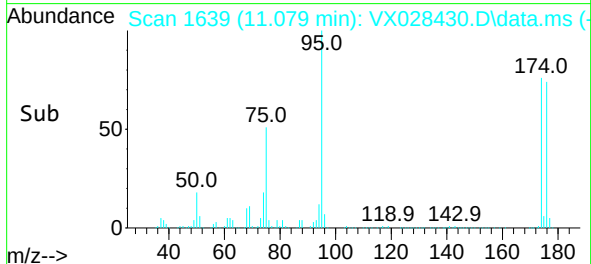
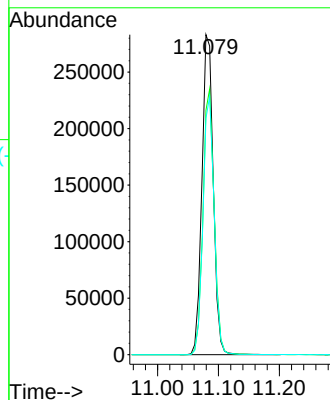
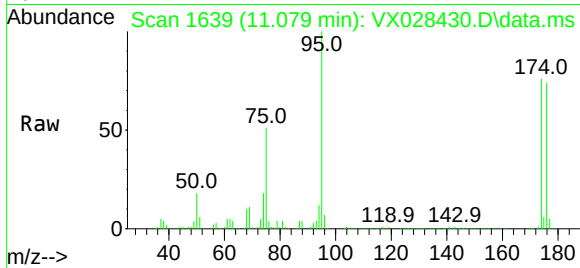




#62
4-Bromofluorobenzene
Concen: 52.860 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

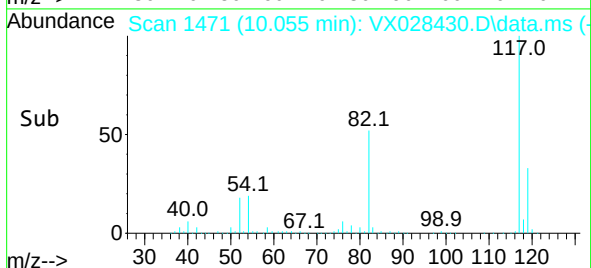
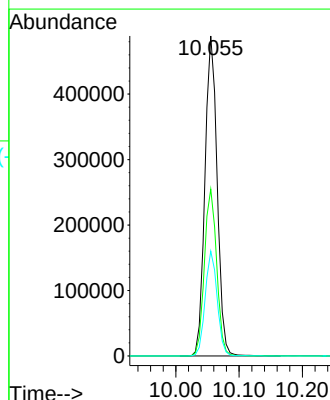
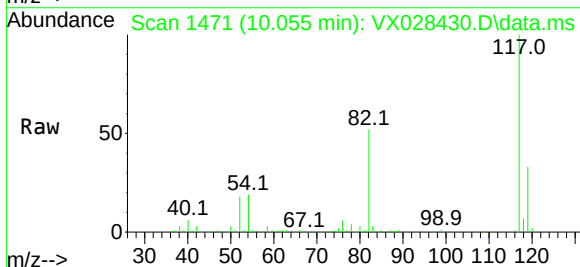
Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

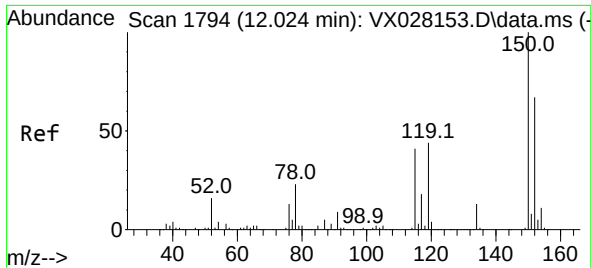
Tgt Ion: 95 Resp: 366915
Ion Ratio Lower Upper
95 100
174 81.8 0.0 163.0
176 79.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 117 Resp: 658473
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.8 24.8 37.2

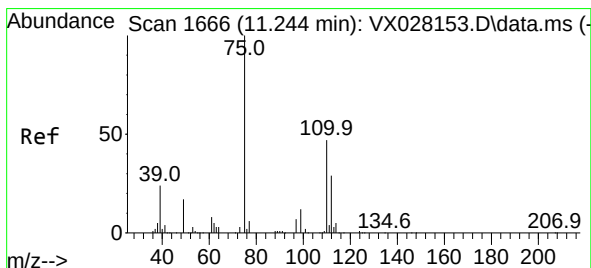
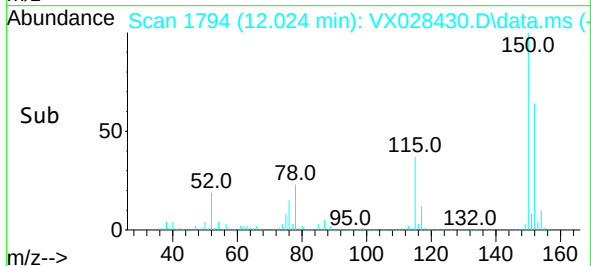
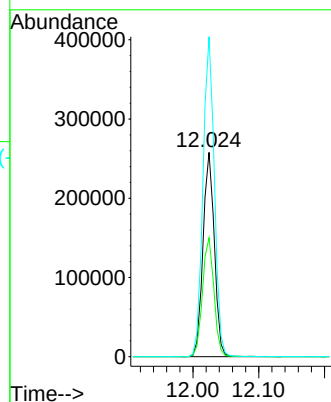
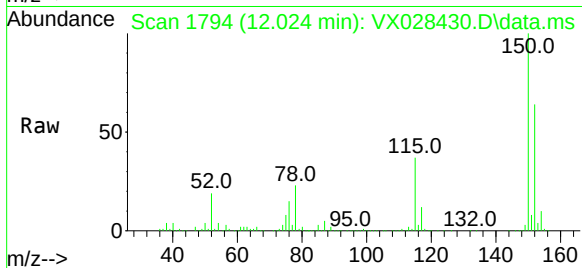




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028430.D
 Acq: 29 Apr 2022 17:46

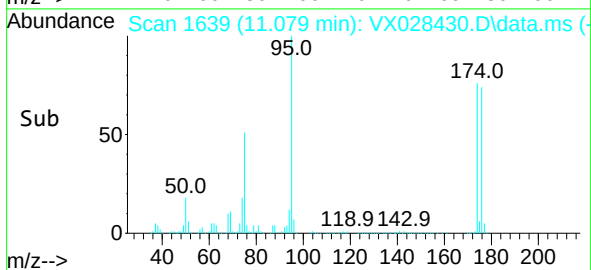
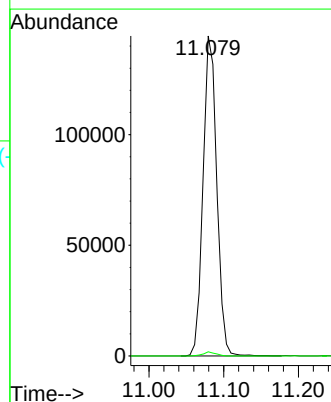
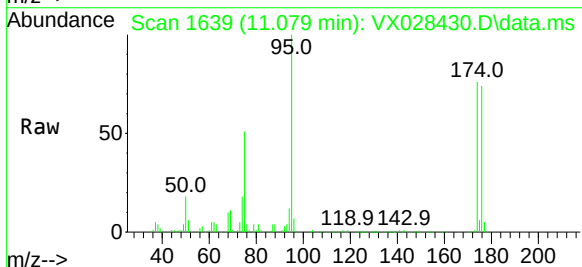
Instrument :
 MSVOA_X
 ClientSampleId :
 MWBR3D-B-480-500-042922-FD

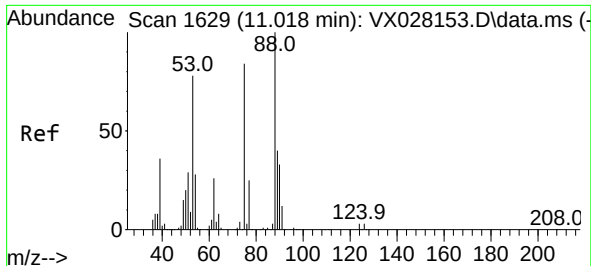
Tgt Ion:152 Resp: 308407
 Ion Ratio Lower Upper
 152 100
 115 58.9 37.5 112.7
 150 157.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 30.353 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028430.D
 Acq: 29 Apr 2022 17:46

Tgt Ion: 75 Resp: 184234
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

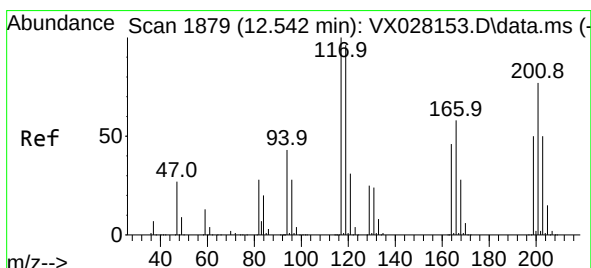
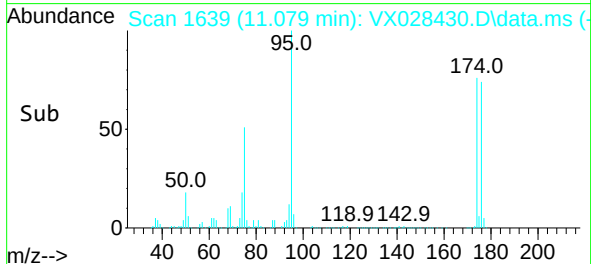
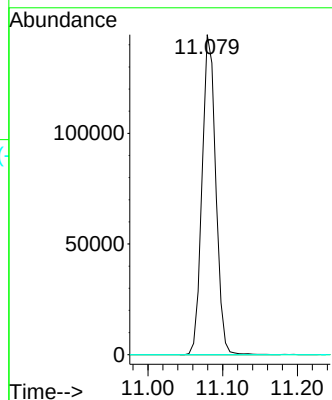
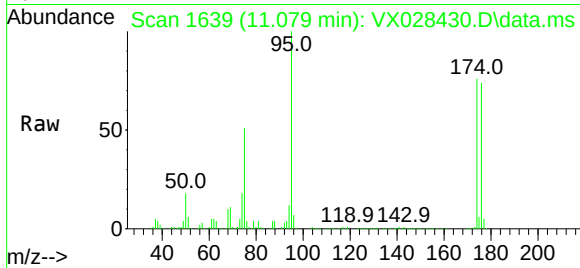




#81
trans-1,4-Dichloro-2-butene
Concen: 90.202 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Instrument :
MSVOA_X
ClientSampleId :
MWBR3D-B-480-500-042922-FD

Tgt Ion: 75 Resp: 184234
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.835 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX028430.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

