

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078090.D
 Acq On : 28 Dec 2023 14:09
 Operator : RP/MD
 Sample : 06031-01RE
 Misc : 5.13G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MR-321-0-2

Quant Time: Dec 28 22:25:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

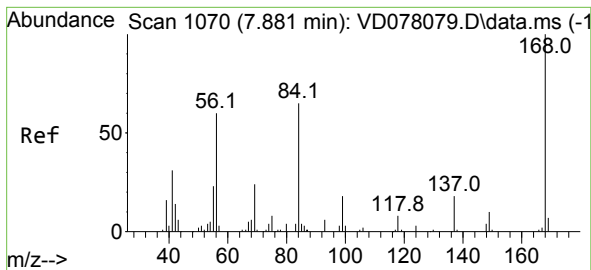
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	323260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	516764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	475902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	211405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	112108	38.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.960%		
35) Dibromofluoromethane	7.810	113	151757	45.641	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.269	98	614806	52.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.100%		
62) 4-Bromofluorobenzene	12.575	95	182901	48.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.180%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	55	Below Cal	#	73
16) Acetone	4.028	43	2845	Below Cal	#	70
20) Methylene Chloride	4.805	84	16767	1.681	ug/l #	94
25) 2-Butanone	7.087	43	462	Below Cal	#	37
30) Chloroform	7.593	83	6799	1.028	ug/l	98
31) Cyclohexane	7.887	56	5508	1.200	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	22487	4.807	ug/l #	49
38) Carbon Tetrachloride	7.881	117	29376	5.795	ug/l #	16
49) 1,4-Dioxane	9.298	88	54	2.985	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	91075	51.064	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	91075	110.031	ug/l #	17

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

Quant Time: Dec 28 22:25:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078090.D

Acq: 28 Dec 2023 14:09

Instrument :

MSVOA_D

ClientSampleId :

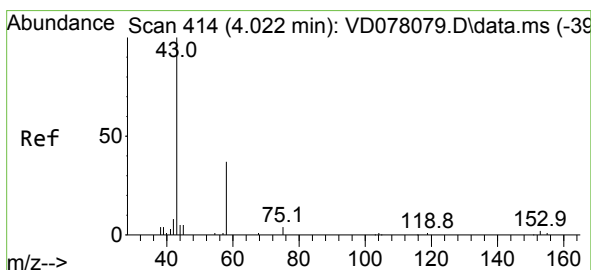
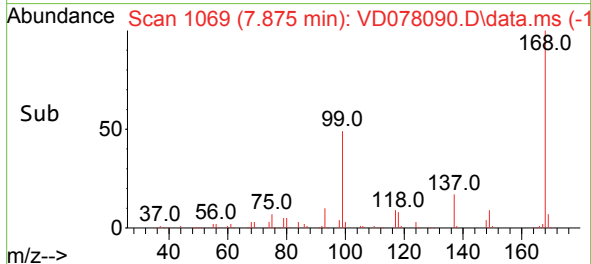
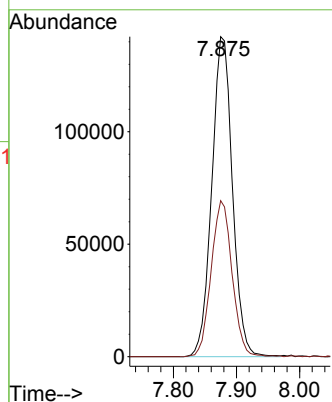
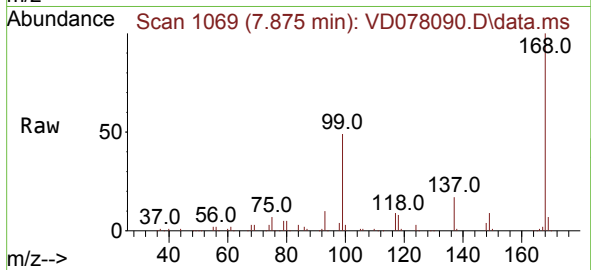
MR-321-0-2

Tgt Ion:168 Resp: 323260

Ion Ratio Lower Upper

168 100

99 48.7 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD078090.D

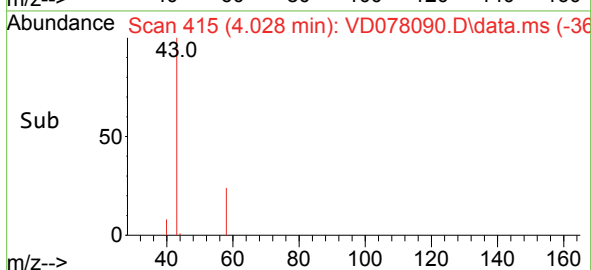
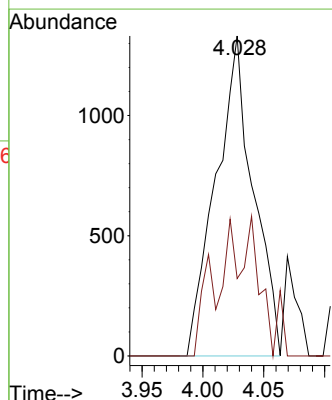
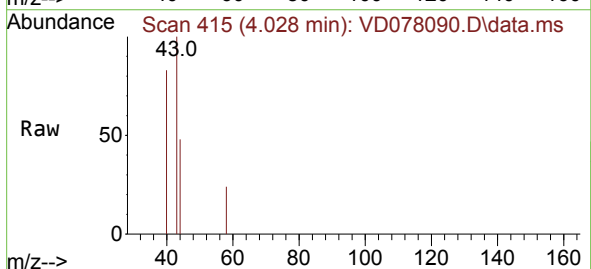
Acq: 28 Dec 2023 14:09

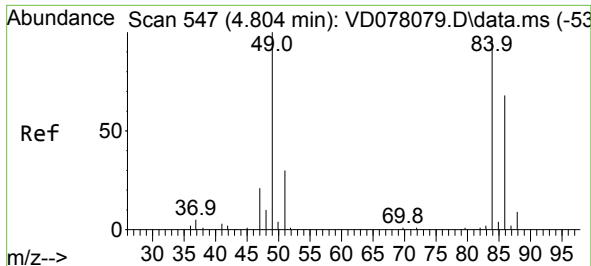
Tgt Ion: 43 Resp: 2845

Ion Ratio Lower Upper

43 100

58 24.2 34.7 52.1#

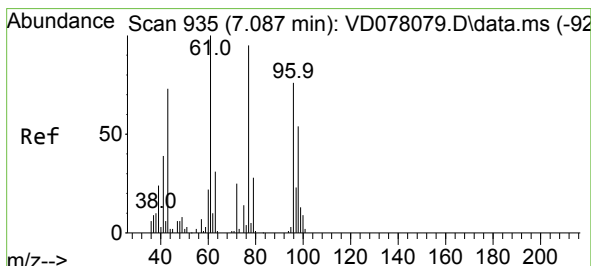
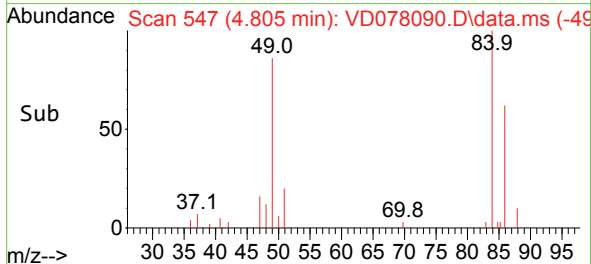
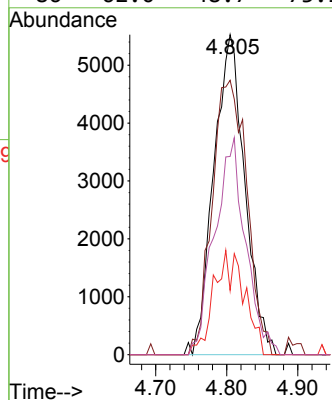
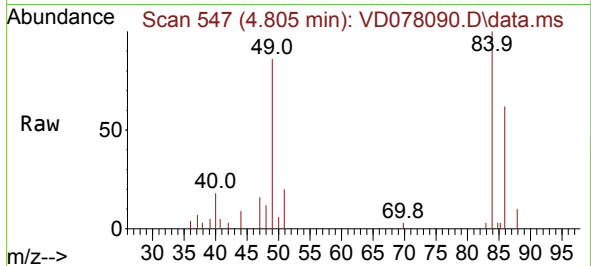




#20
Methylene Chloride
Concen: 1.681 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.001 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

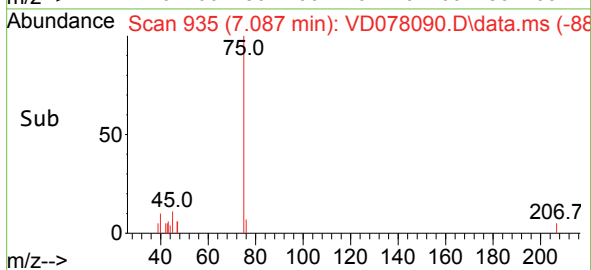
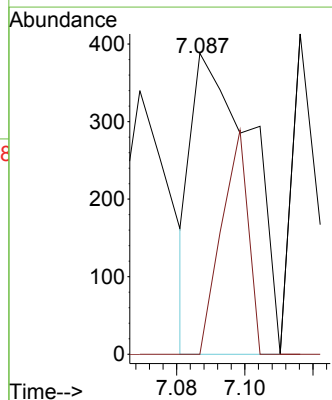
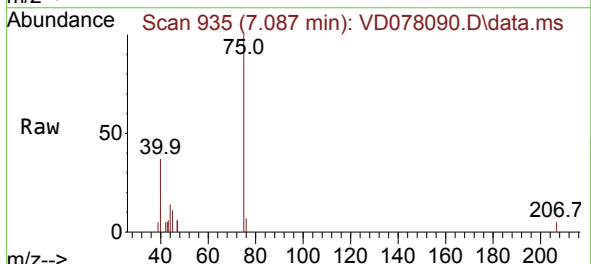
Instrument :
MSVOA_D
ClientSampleId :
MR-321-0-2

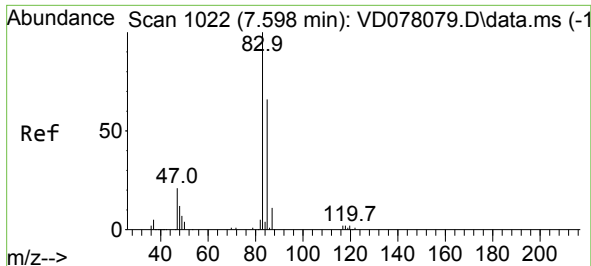
Tgt Ion: 84 Resp: 16767
Ion Ratio Lower Upper
84 100
49 85.7 71.4 107.2
51 20.1 24.5 36.7#
86 62.0 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#30

Chloroform

Concen: 1.028 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD078090.D

Acq: 28 Dec 2023 14:09

Instrument :

MSVOA_D

ClientSampleId :

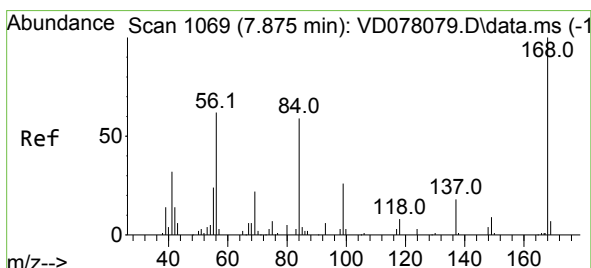
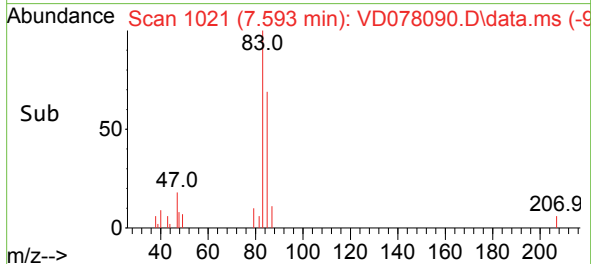
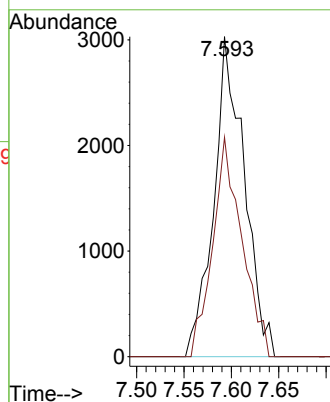
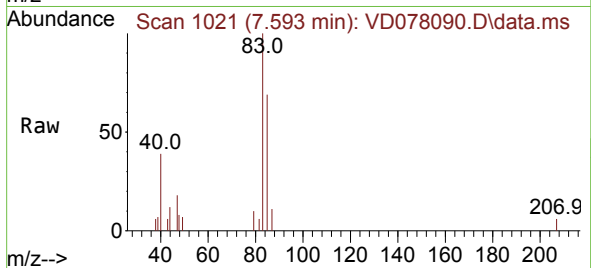
MR-321-0-2

Tgt Ion: 83 Resp: 6799

Ion Ratio Lower Upper

83 100

85 68.6 53.4 80.2



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. 0.012 min

Lab File: VD078090.D

Acq: 28 Dec 2023 14:09

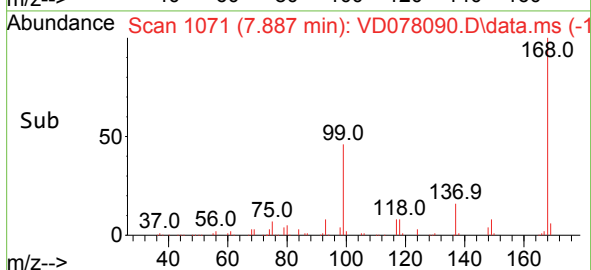
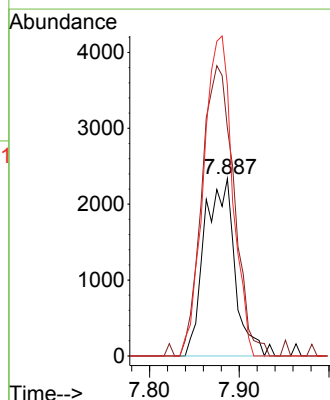
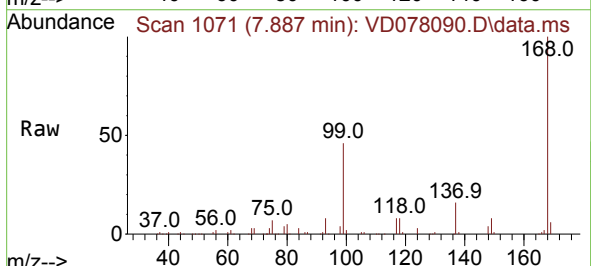
Tgt Ion: 56 Resp: 5508

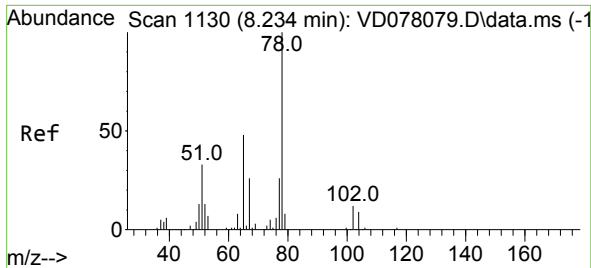
Ion Ratio Lower Upper

56 100

69 128.5 28.6 43.0#

84 152.5 84.8 127.2#

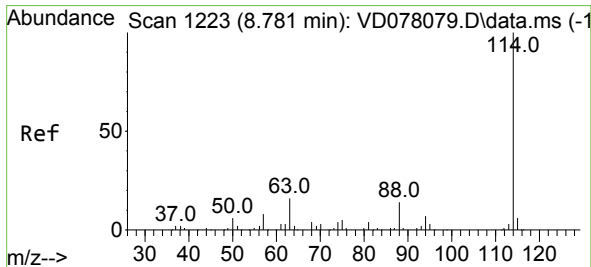
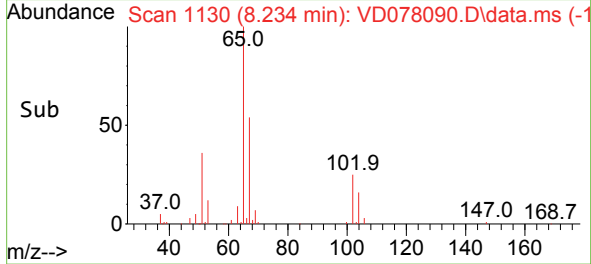
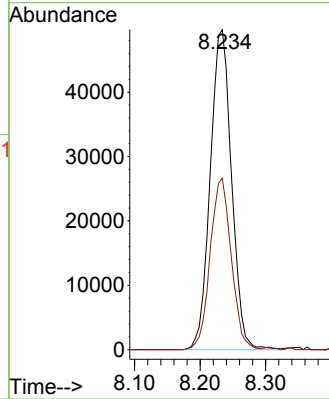
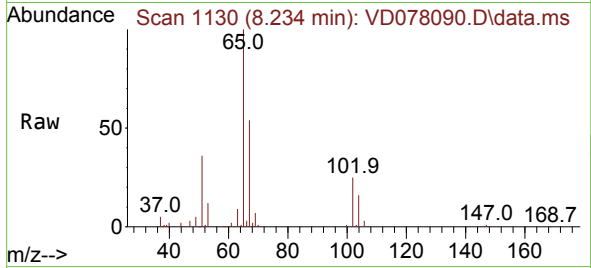




#33
 1,2-Dichloroethane-d4
 Concen: 38.977 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078090.D
 Acq: 28 Dec 2023 14:09

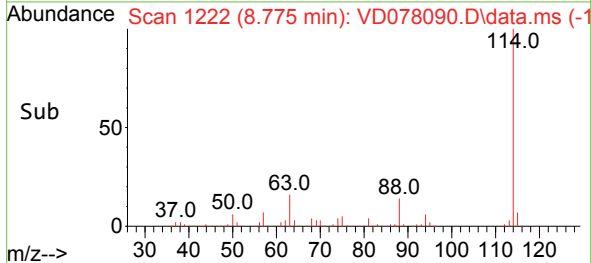
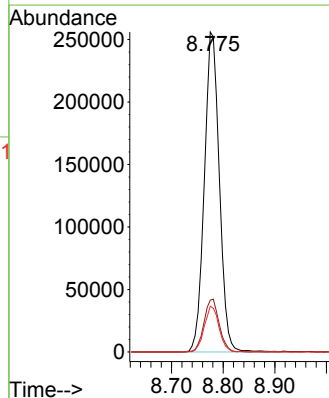
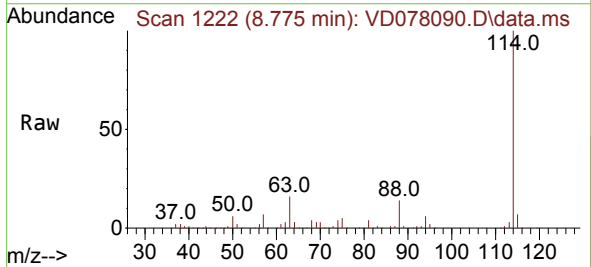
Instrument :
 MSVOA_D
 ClientSampleId :
 MR-321-0-2

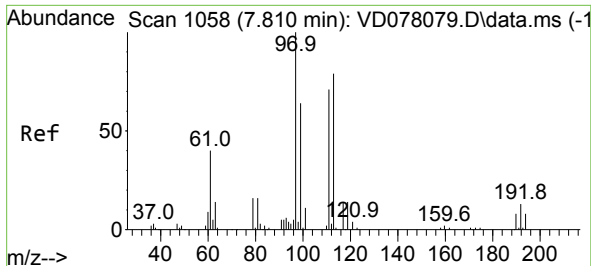
Tgt Ion: 65 Resp: 112108
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.006 min
 Lab File: VD078090.D
 Acq: 28 Dec 2023 14:09

Tgt Ion: 114 Resp: 516764
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 33.4
 88 14.3 0.0 26.2

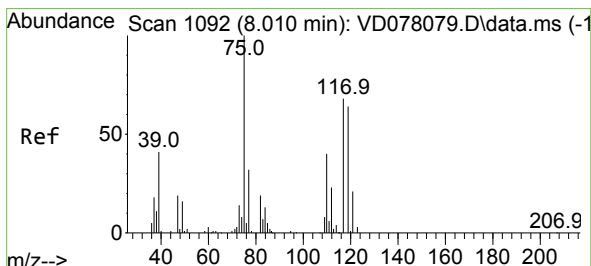
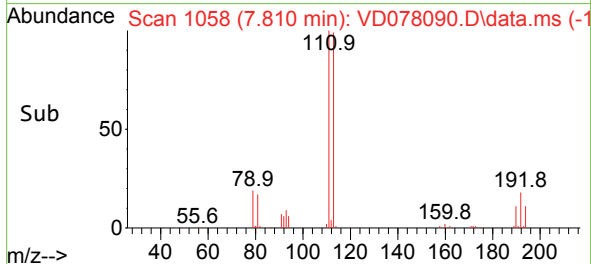
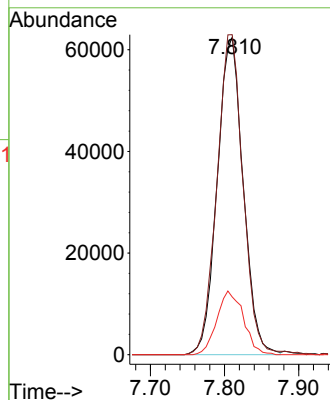
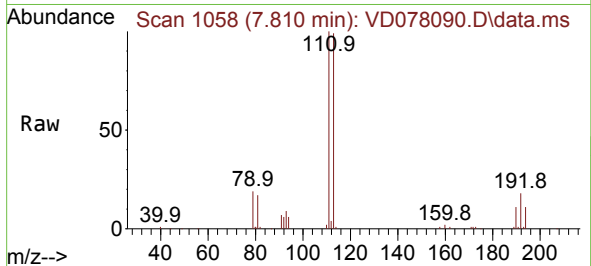




#35
Dibromofluoromethane
Concen: 45.641 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

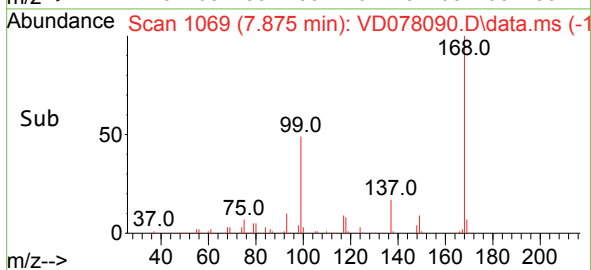
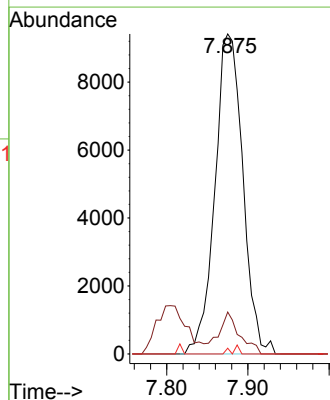
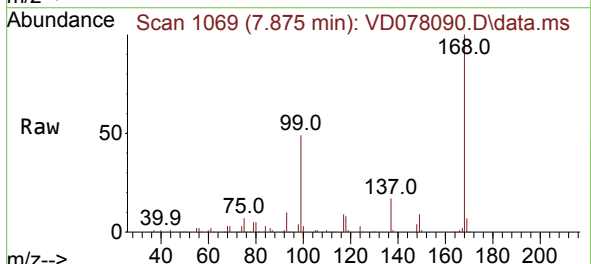
Instrument :
MSVOA_D
ClientSampleId :
MR-321-0-2

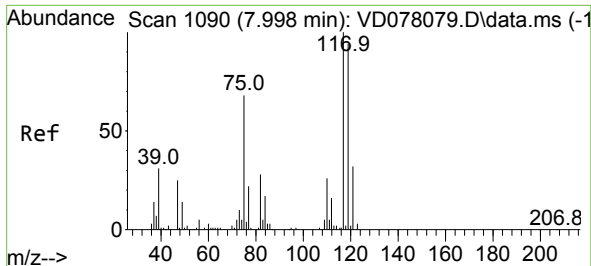
Tgt Ion:113 Resp: 151757
Ion Ratio Lower Upper
113 100
111 101.9 84.7 127.1
192 20.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Tgt Ion: 75 Resp: 22487
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.7 24.7 37.1#

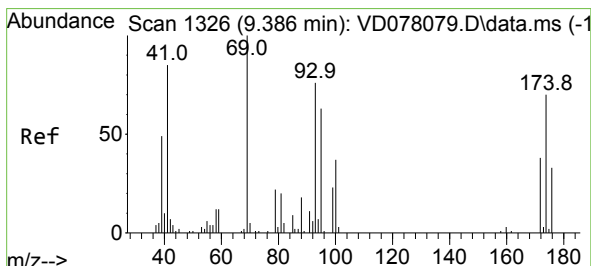
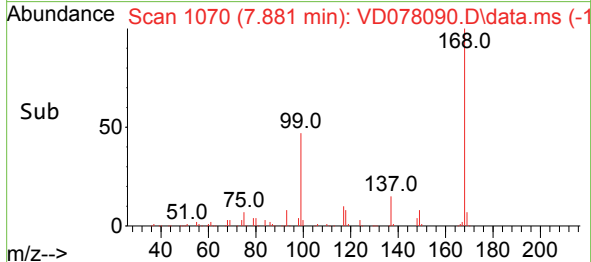
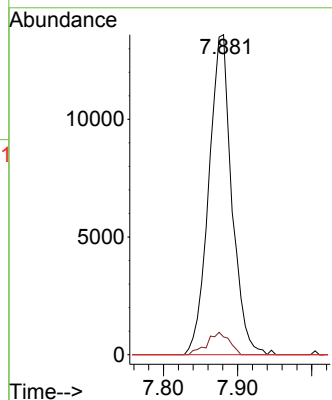
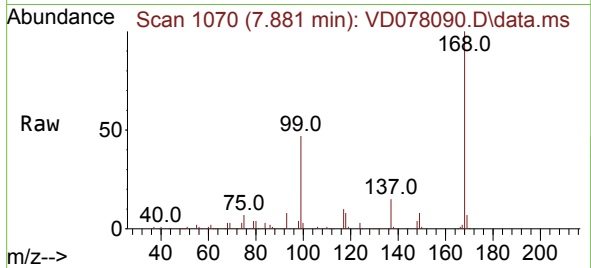




#38
Carbon Tetrachloride
Concen: 5.795 ug/l
RT: 7.881 min Scan# 117
Delta R.T. -0.117 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

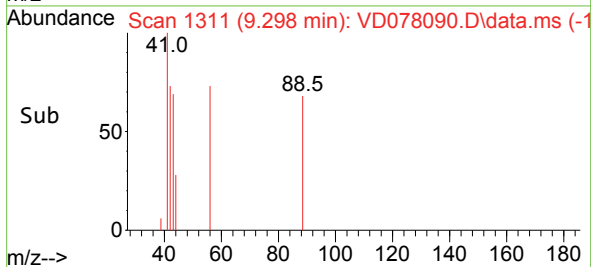
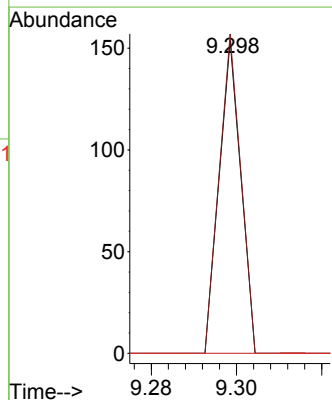
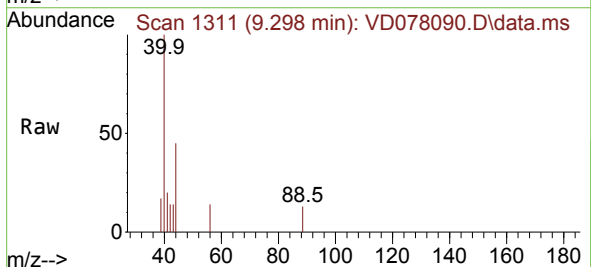
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MR-321-0-2

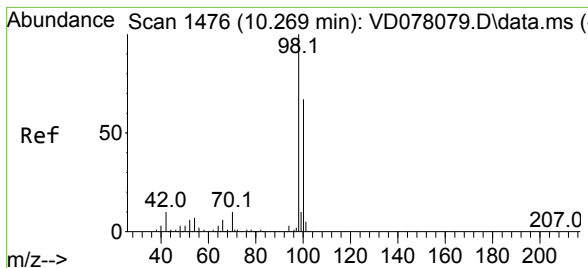
Tgt Ion: 117 Resp: 29376
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 2.985 ug/l
RT: 9.298 min Scan# 1311
Delta R.T. -0.088 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 101.9 19.0 28.6#
58 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 52.549 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078090.D

Acq: 28 Dec 2023 14:09

Instrument :

MSVOA_D

ClientSampleId :

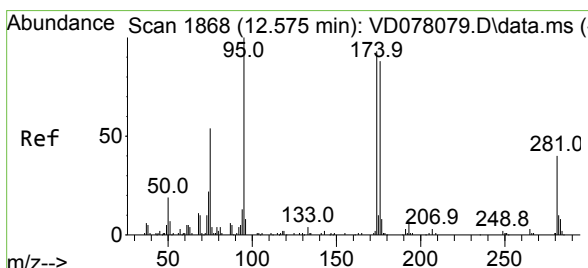
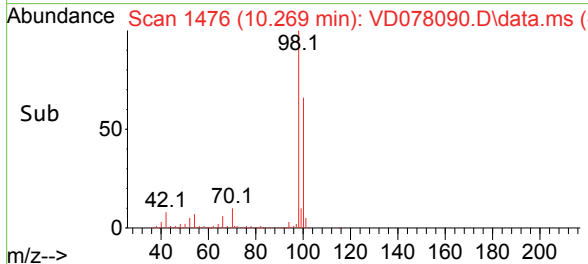
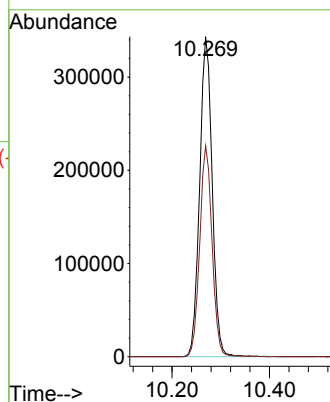
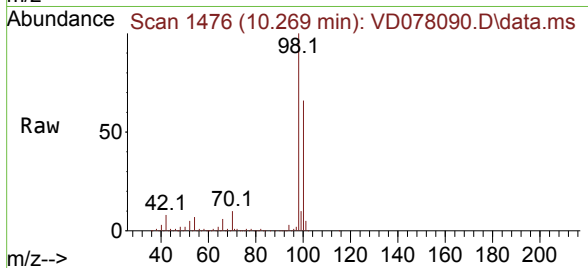
MR-321-0-2

Tgt Ion: 98 Resp: 614806

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 48.586 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078090.D

Acq: 28 Dec 2023 14:09

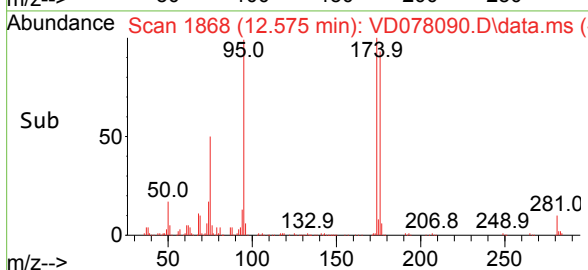
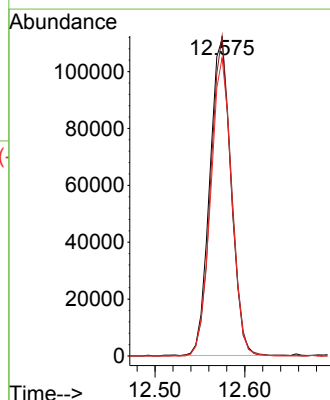
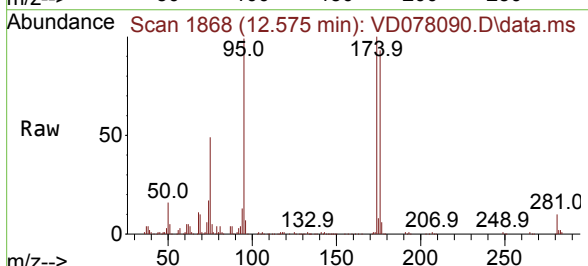
Tgt Ion: 95 Resp: 182901

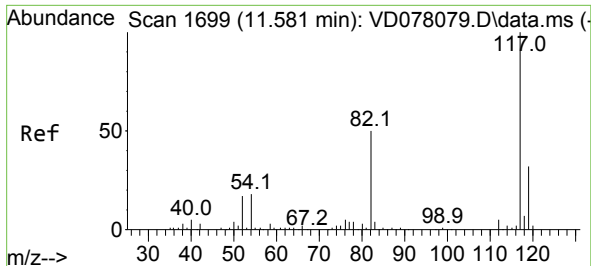
Ion Ratio Lower Upper

95 100

174 98.2 0.0 201.8

176 93.2 0.0 191.8

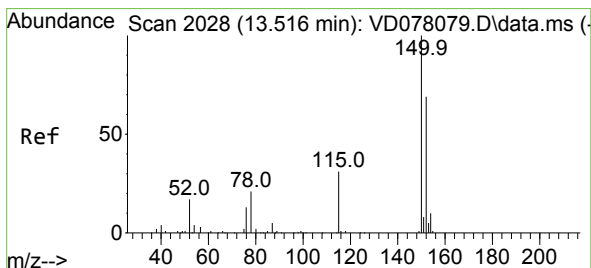
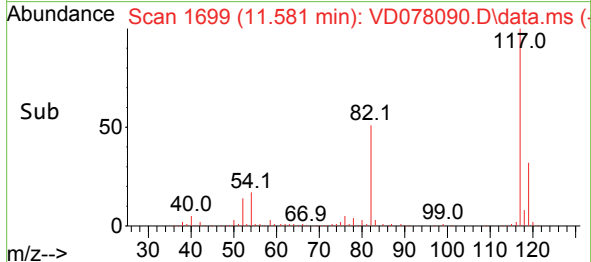
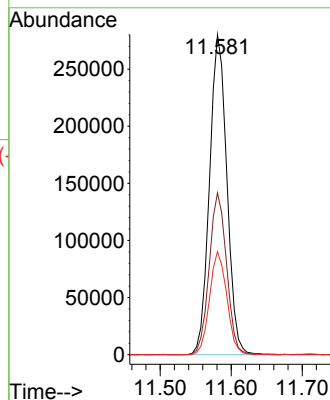
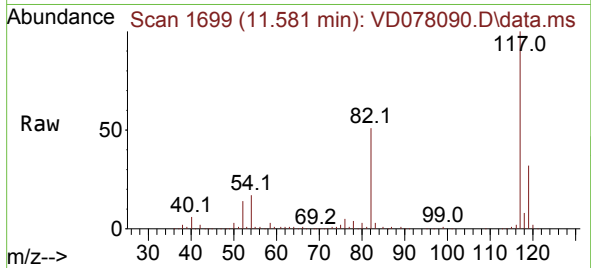




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

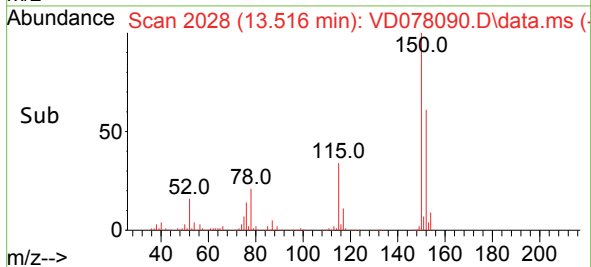
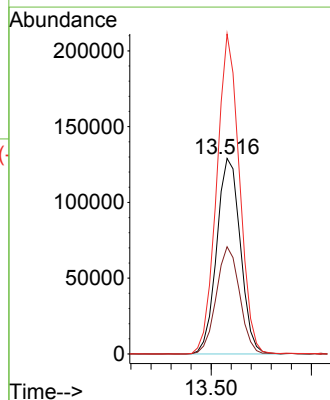
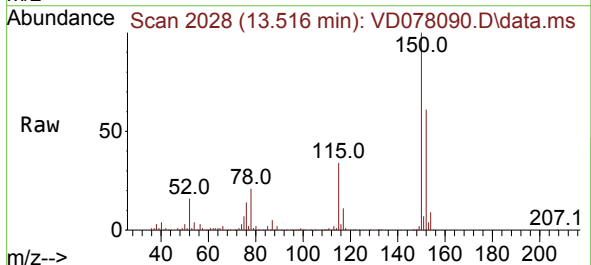
Instrument :
MSVOA_D
ClientSampleId :
MR-321-0-2

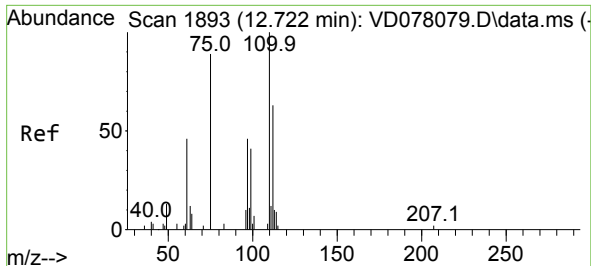
Tgt Ion:117 Resp: 475902
Ion Ratio Lower Upper
117 100
82 50.6 38.3 57.5
119 32.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Tgt Ion:152 Resp: 211405
Ion Ratio Lower Upper
152 100
115 54.2 27.1 81.3
150 157.4 0.0 353.6

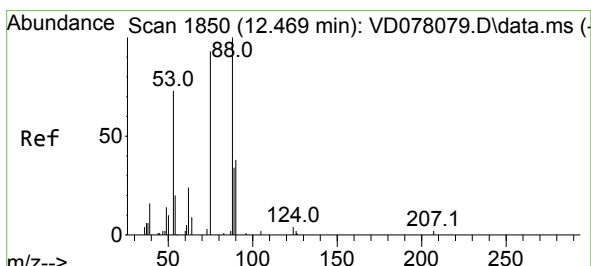
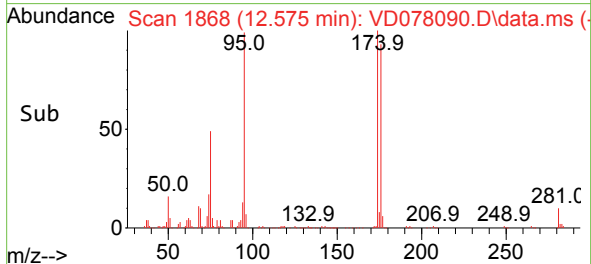
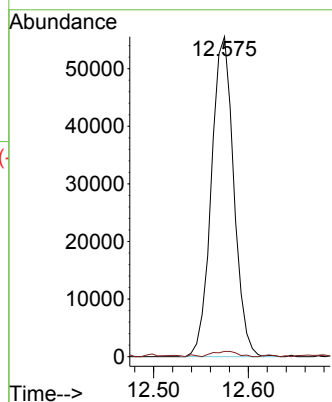
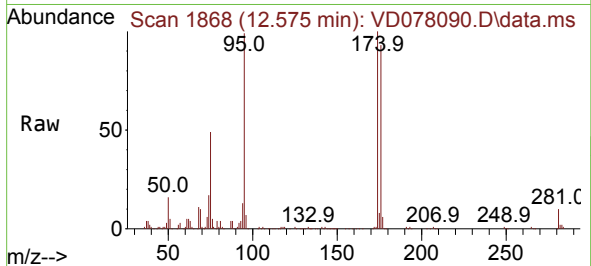




#76
1,2,3-Trichloropropane
Concen: 51.064 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Instrument :
MSVOA_D
ClientSampleId :
MR-321-0-2

Tgt Ion: 75 Resp: 91075
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.031 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078090.D
Acq: 28 Dec 2023 14:09

Tgt Ion: 75 Resp: 91075
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.3 37.9 56.9#

