

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078093.D
 Acq On : 28 Dec 2023 15:31
 Operator : RP/MD
 Sample : 06017-07
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB32-1-20231222-12.5-13.5

Quant Time: Dec 28 22:26:12 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)

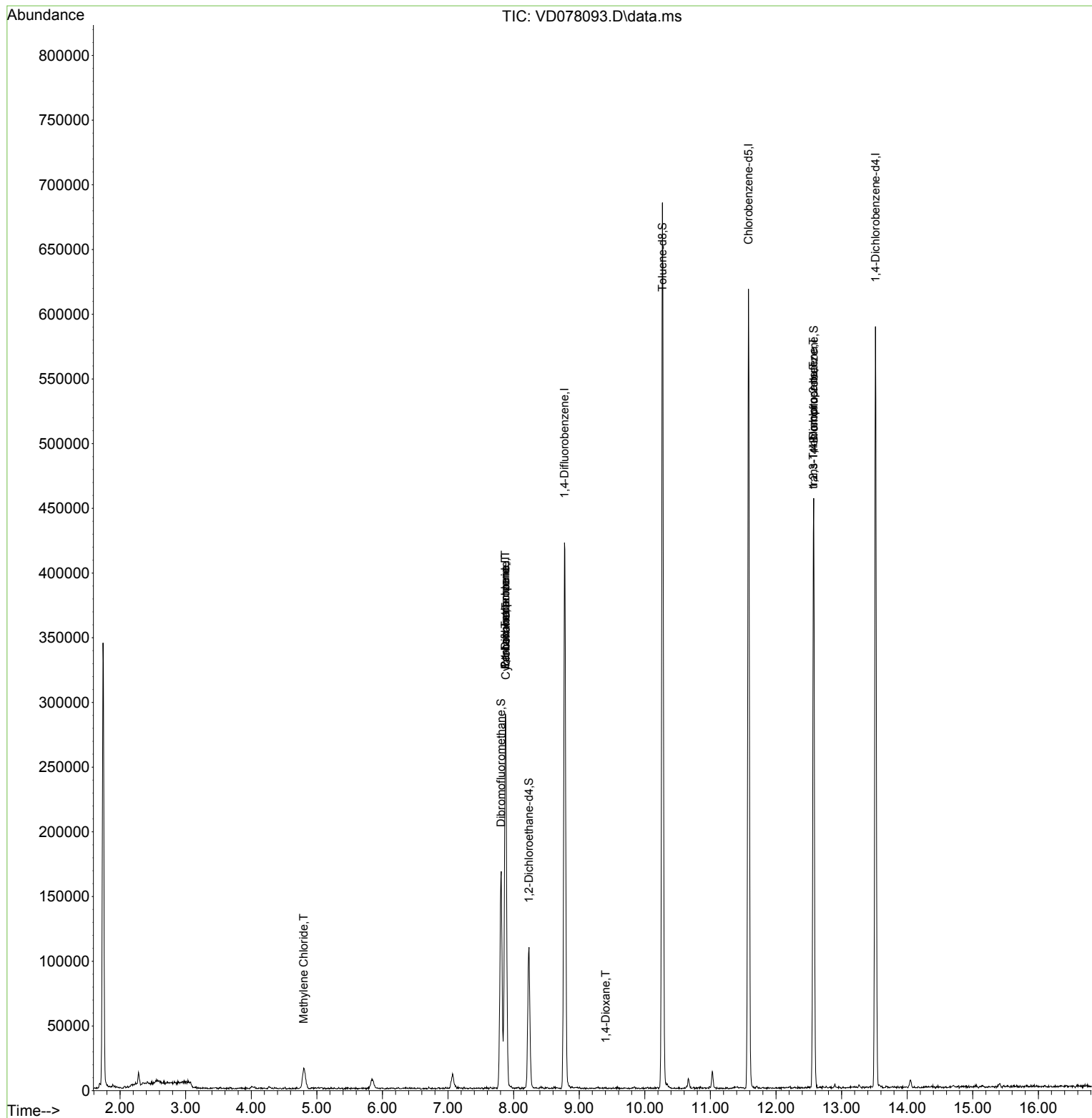
Internal Standards						
1) Pentafluorobenzene	7.875	168	238181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	395074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	165753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86443	40.789	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.580%		
35) Dibromofluoromethane	7.811	113	119685	47.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.160%		
50) Toluene-d8	10.269	98	482897	53.987	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.980%		
62) 4-Bromofluorobenzene	12.575	95	138478	48.116	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.240%		
Target Compounds						
11) Tert butyl alcohol	5.040	59	310	Below Cal	#	73
16) Acetone	4.017	43	1128	Below Cal	#	79
20) Methylene Chloride	4.799	84	12800	1.865	ug/l	90
25) 2-Butanone	7.058	43	562	Below Cal	#	37
31) Cyclohexane	7.881	56	4601	1.361	ug/l	# 37
36) 1,1-Dichloropropene	7.875	75	17294	4.835	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	22767	5.874	ug/l	# 16
49) 1,4-Dioxane	9.405	88	54	3.904	ug/l	# 33
76) 1,2,3-Trichloropropane	12.569	75	68466	48.960	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	68466	105.498	ug/l	# 17

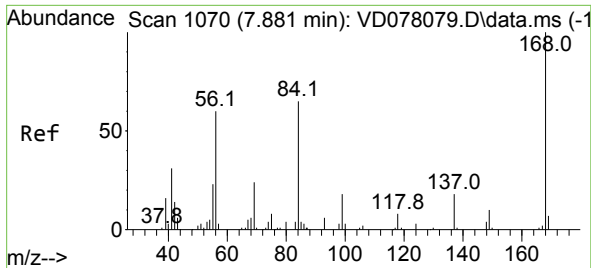
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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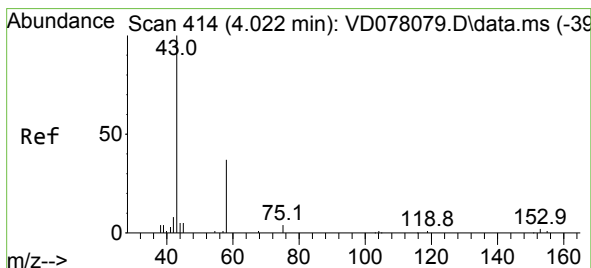
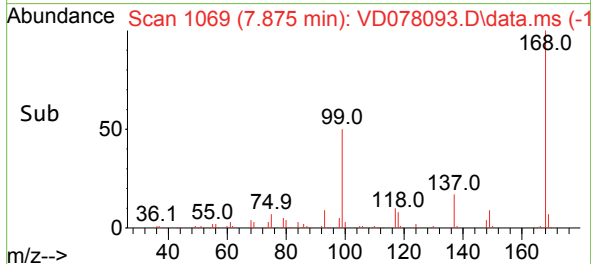
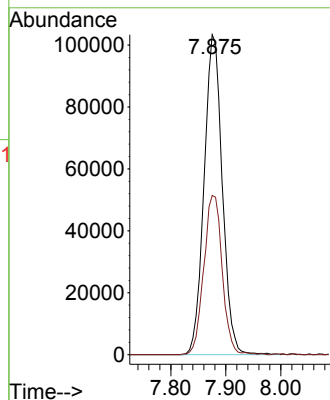
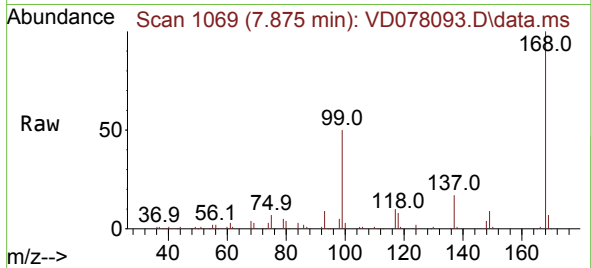




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

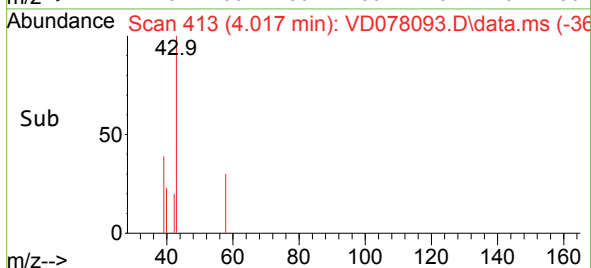
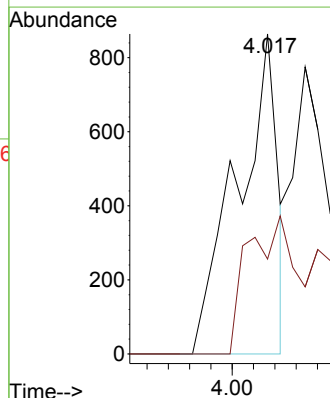
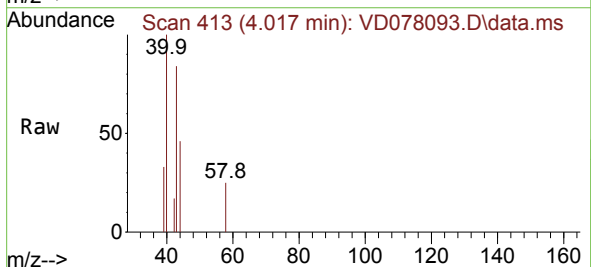
Instrument :
MSVOA_D
ClientSampleId :
SB32-1-20231222-12.5-13.5

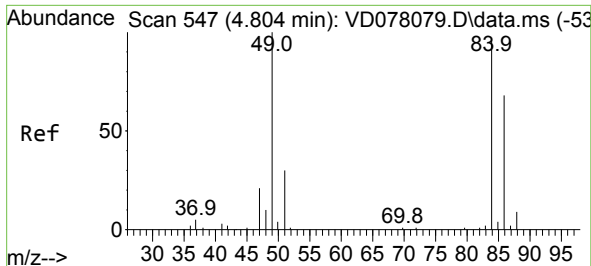
Tgt Ion:168 Resp: 238181
Ion Ratio Lower Upper
168 100
99 49.8 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 413
Delta R.T. -0.005 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 29.6 34.7 52.1#

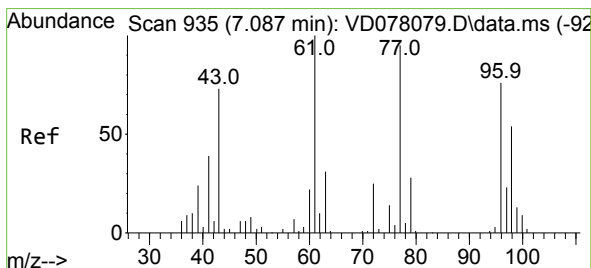
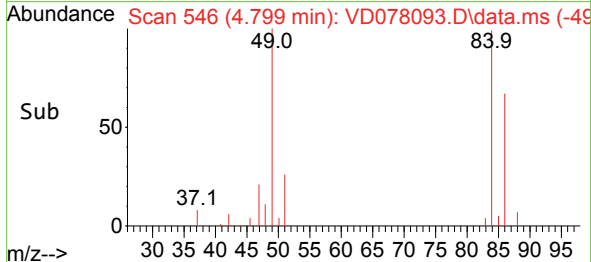
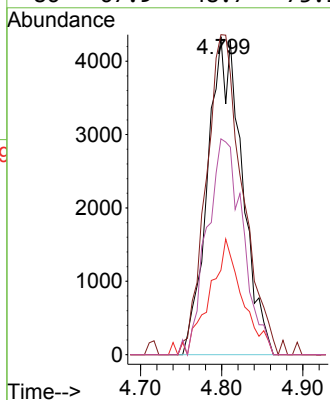
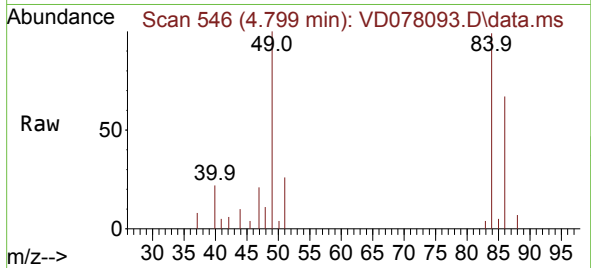




#20
Methylene Chloride
Concen: 1.865 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

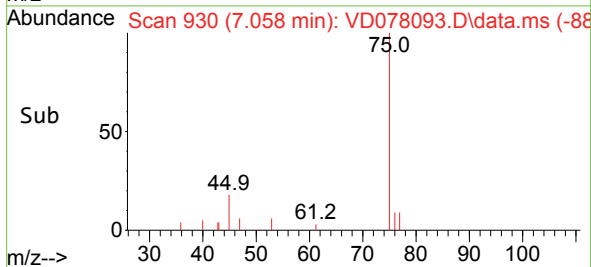
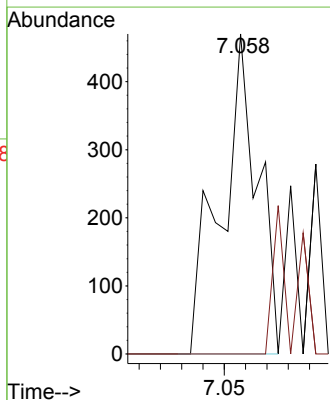
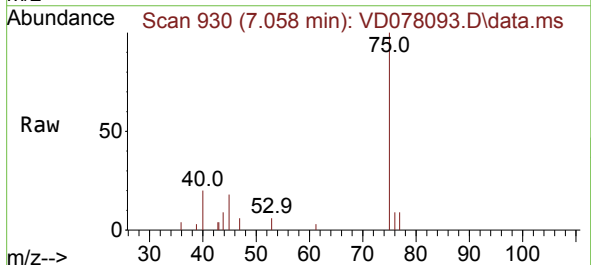
Instrument :
MSVOA_D
ClientSampleId :
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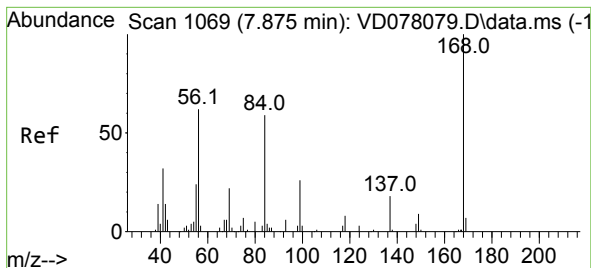
Tgt Ion:	84	Resp:	12800
Ion	Ratio	Lower	Upper
84	100		
49	100.6	71.4	107.2
51	26.6	24.5	36.7
86	67.9	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.058 min Scan# 930
Delta R.T. -0.029 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion:	43	Resp:	562
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD078093.D

Acq: 28 Dec 2023 15:31

Instrument :

MSVOA_D

ClientSampleId :

SB32-1-20231222-12.5-13.5

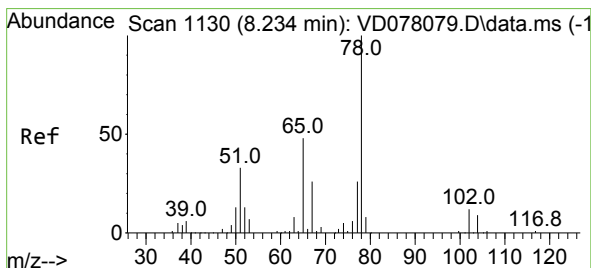
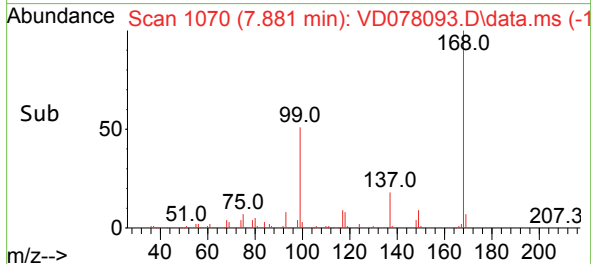
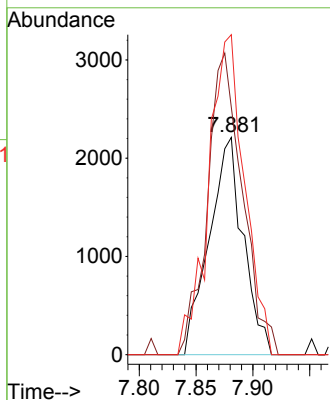
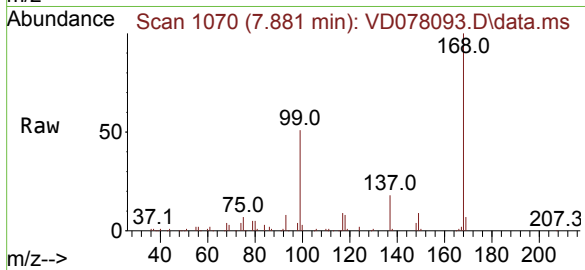
Tgt Ion: 56 Resp: 4601

Ion Ratio Lower Upper

56 100

69 113.8 28.6 43.0#

84 147.2 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 40.789 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078093.D

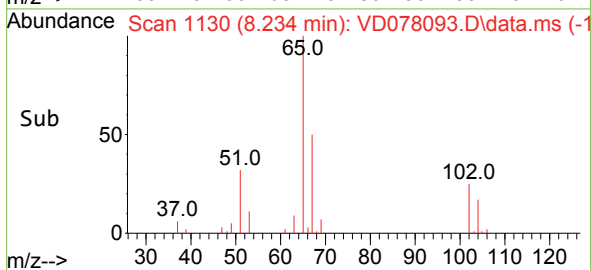
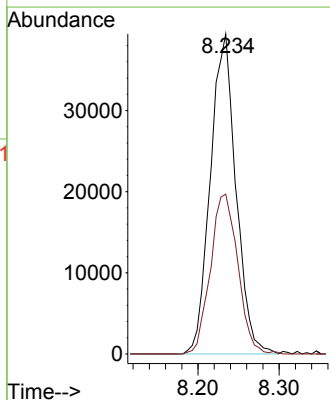
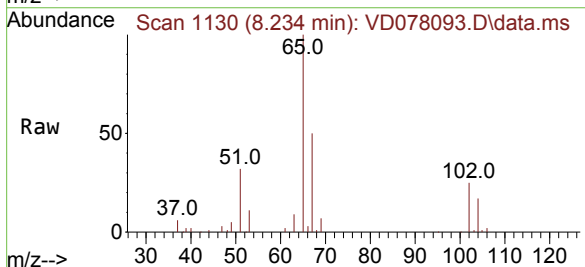
Acq: 28 Dec 2023 15:31

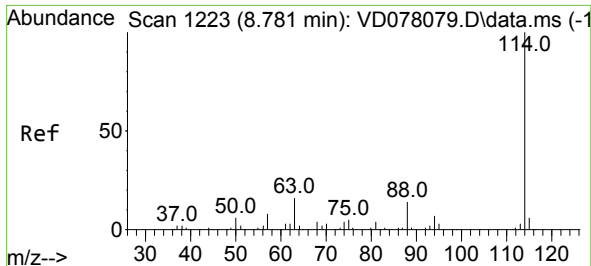
Tgt Ion: 65 Resp: 86443

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD078093.D

Acq: 28 Dec 2023 15:31

Instrument :

MSVOA_D

ClientSampleId :

SB32-1-20231222-12.5-13.5

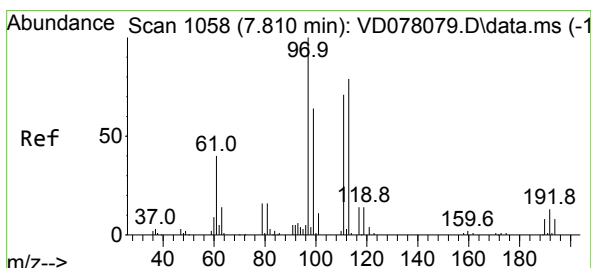
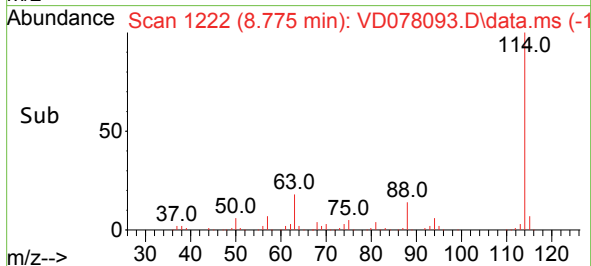
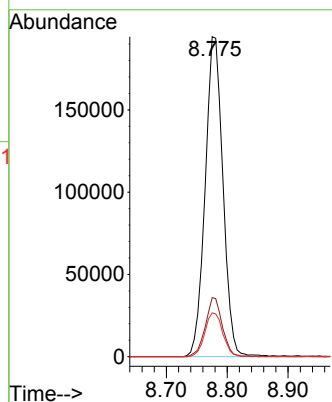
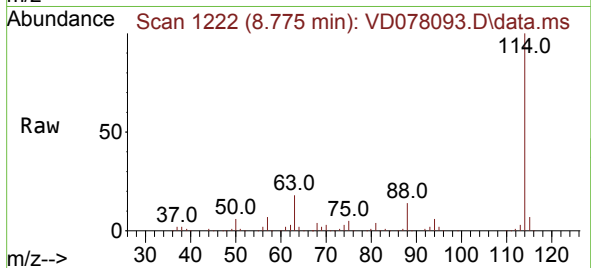
Tgt Ion:114 Resp: 395074

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.082 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078093.D

Acq: 28 Dec 2023 15:31

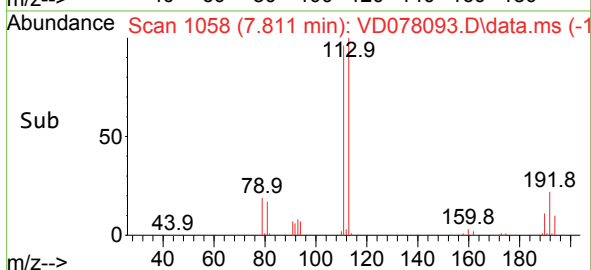
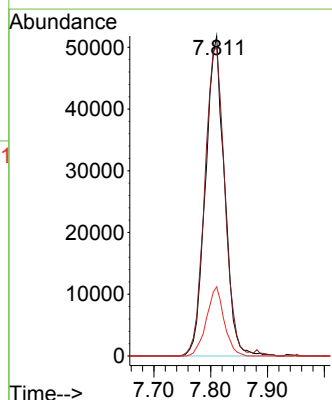
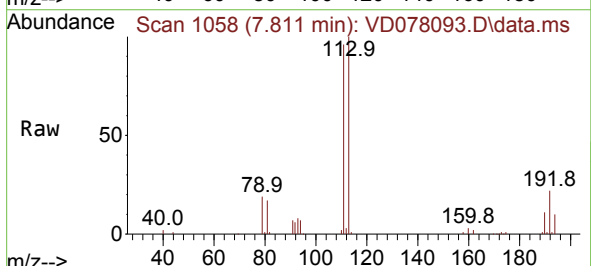
Tgt Ion:113 Resp: 119685

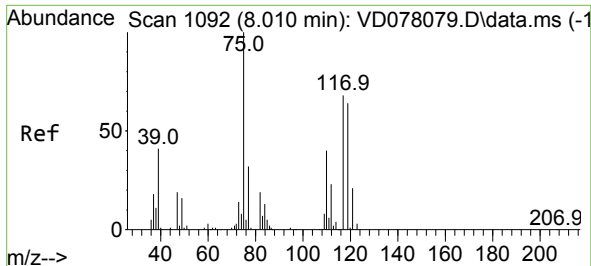
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 20.2 16.8 25.2

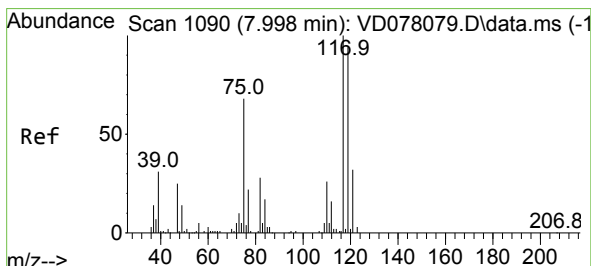
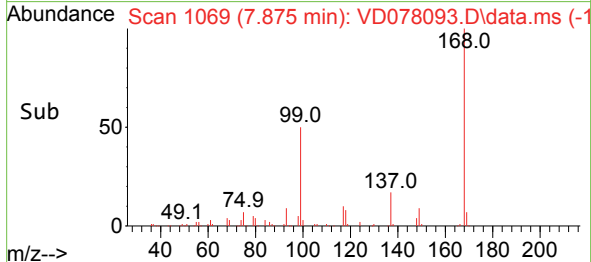
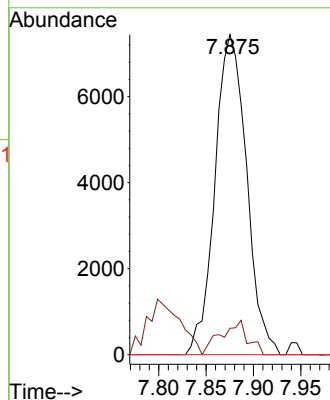
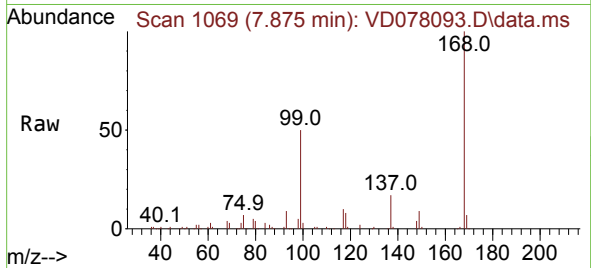




#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

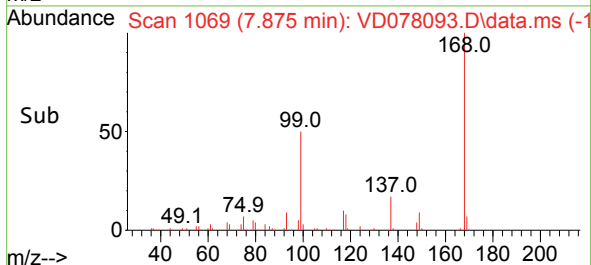
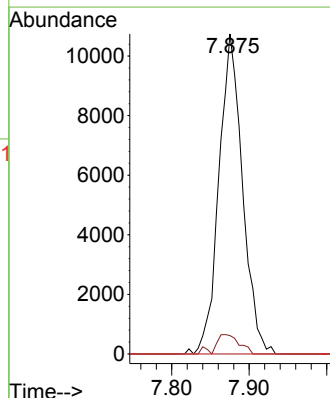
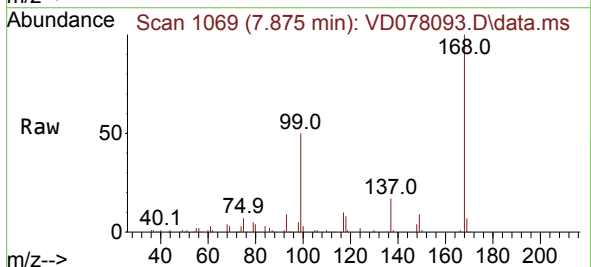
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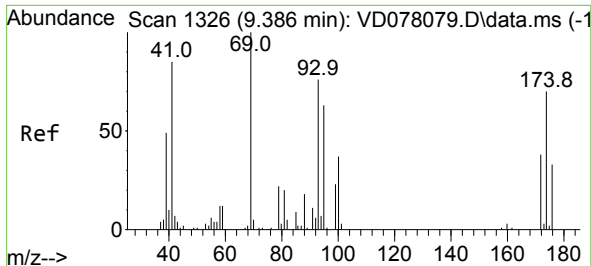
Tgt Ion: 75 Resp: 17294
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.874 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion: 117 Resp: 22767
Ion Ratio Lower Upper
117 100
119 5.7 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 3.904 ug/l

RT: 9.405 min Scan# 11

Delta R.T. 0.018 min

Lab File: VD078093.D

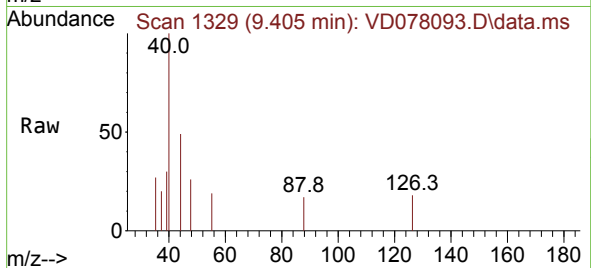
Acq: 28 Dec 2023 15:31

Instrument :

MSVOA_D

ClientSampleId :

SB32-1-20231222-12.5-13.5



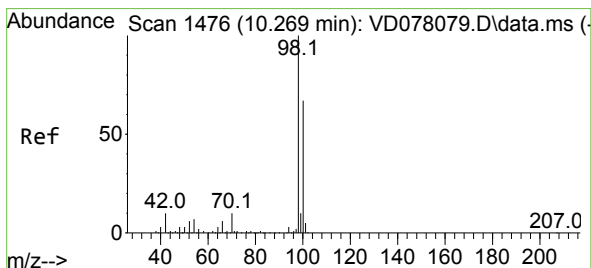
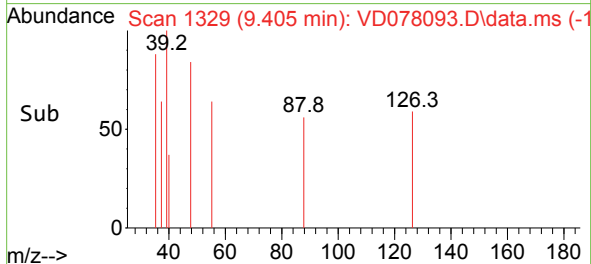
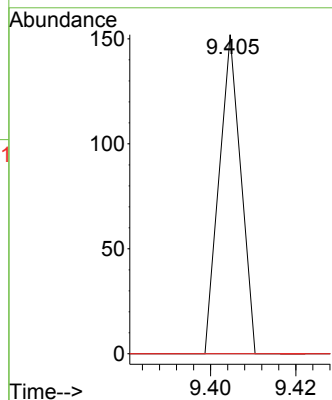
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 53.987 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078093.D

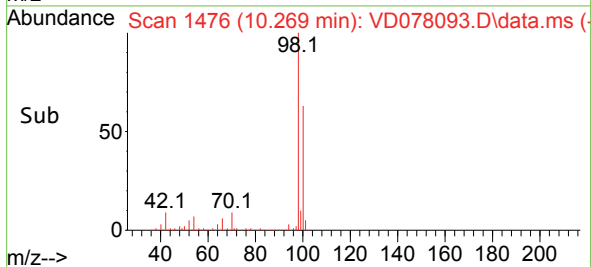
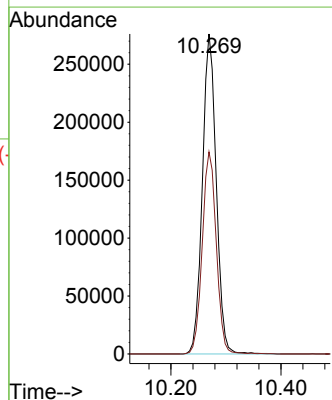
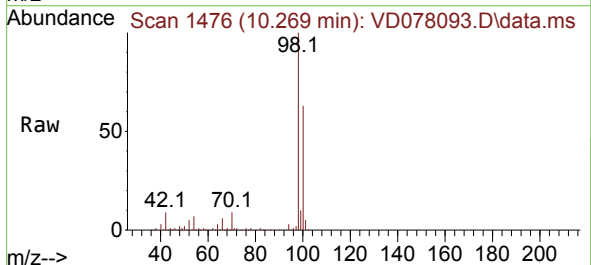
Acq: 28 Dec 2023 15:31

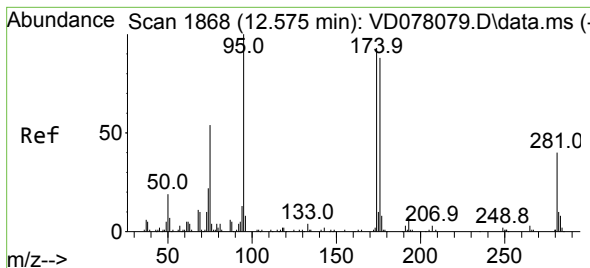
Tgt Ion: 98 Resp: 482897

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

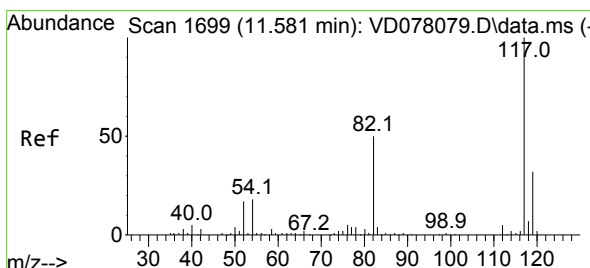
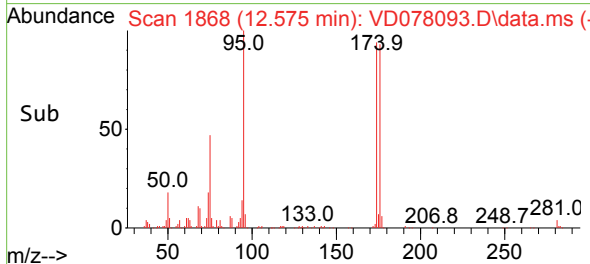
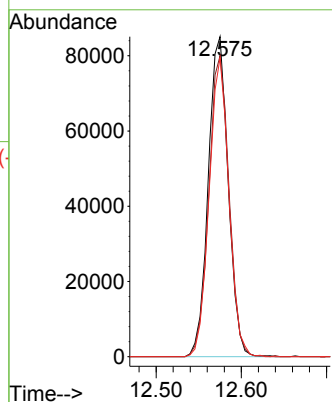
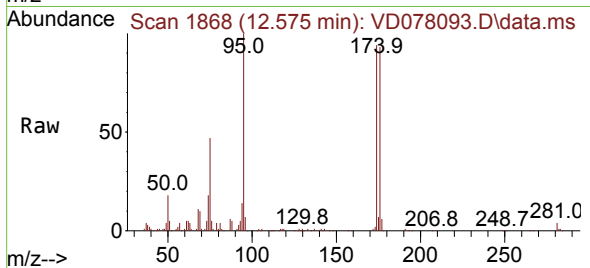




#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

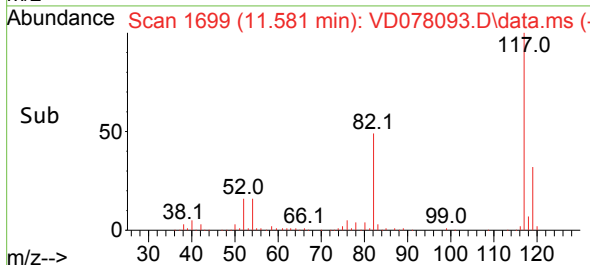
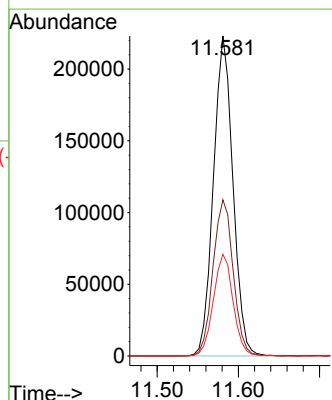
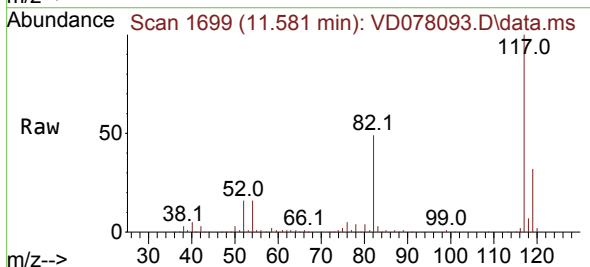
Instrument :
MSVOA_D
ClientSampleId :
SB32-1-20231222-12.5-13.5

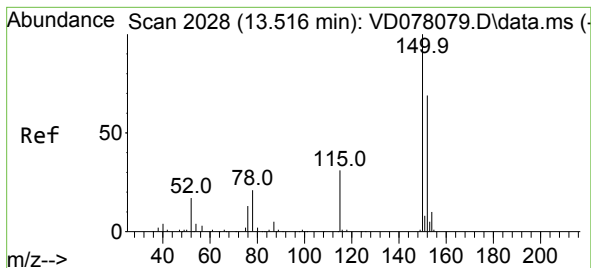
Tgt Ion:	95	Resp:	138478
Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	201.8
176	92.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion:	117	Resp:	372829
Ion	Ratio	Lower	Upper
117	100		
82	48.8	38.3	57.5
119	31.8	25.0	37.4

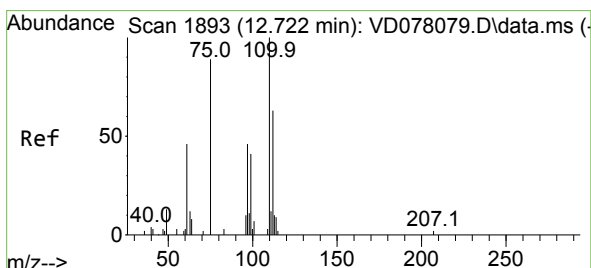
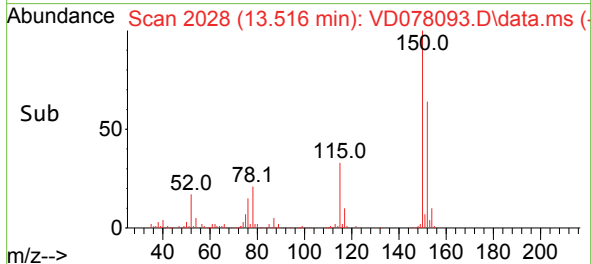
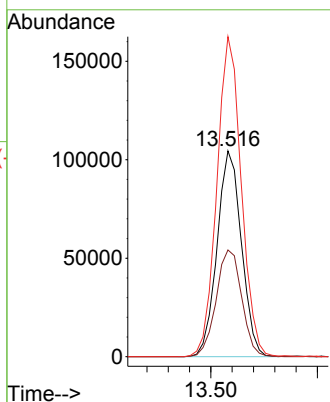
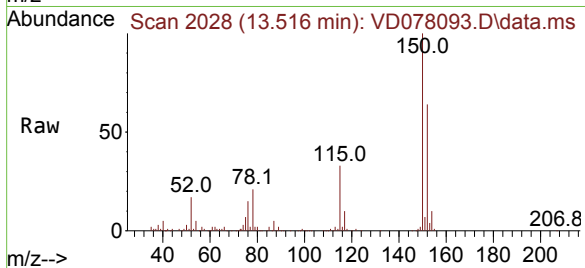




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

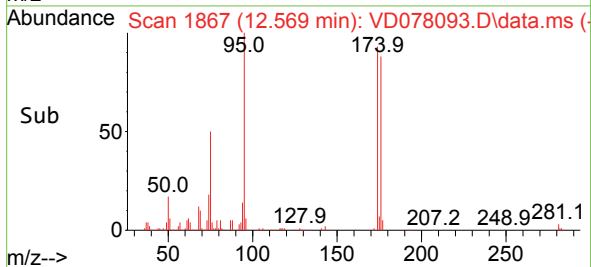
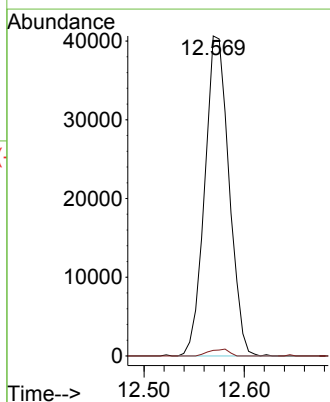
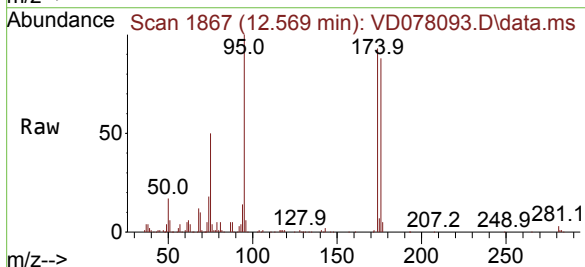
Instrument :
MSVOA_D
ClientSampleId :
SB32-1-20231222-12.5-13.5

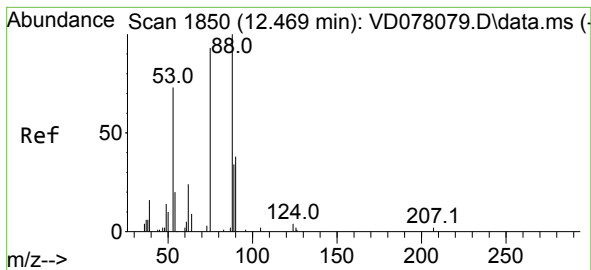
Tgt Ion:152 Resp: 165753
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 155.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 48.960 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

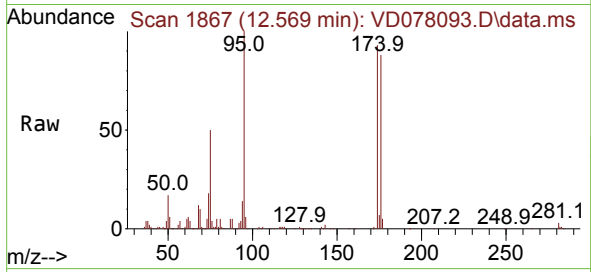
Tgt Ion: 75 Resp: 68466
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.498 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD078093.D
 Acq: 28 Dec 2023 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SB32-1-20231222-12.5-13.5



Tgt Ion:	75	Resp:	68466
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.1	37.9	56.9#

