

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031524\
 Data File : VD078686.D
 Acq On : 15 Mar 2024 16:42
 Operator : RP/MD
 Sample : P1746-01RE
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-01-0-2.0RE

Quant Time: Mar 16 05:27:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

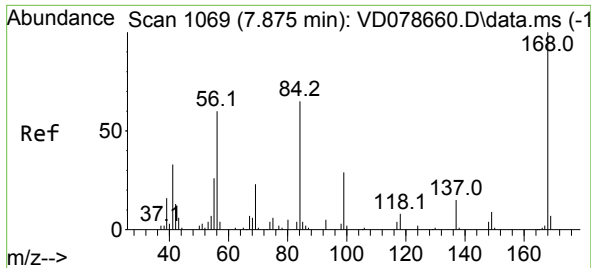
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	72383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	132702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	116120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	37788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45528	67.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.240%
35) Dibromofluoromethane	7.810	113	49494	57.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.860%
50) Toluene-d8	10.269	98	161114	51.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.540%
62) 4-Bromofluorobenzene	12.575	95	35069	38.149	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.300%
Target Compounds						
16) Acetone	4.040	43	228	1.738	ug/l #	39
20) Methylene Chloride	4.793	84	2367	Below Cal		93
31) Cyclohexane	7.875	56	1754	1.538	ug/l #	52
36) 1,1-Dichloropropene	7.869	75	5610	4.525	ug/l #	46
38) Carbon Tetrachloride	7.881	117	6828	5.225	ug/l #	11
51) 4-Methyl-2-Pentanone	10.269	43	482	1.252	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	18210	62.549	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	18210	131.112	ug/l #	19

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

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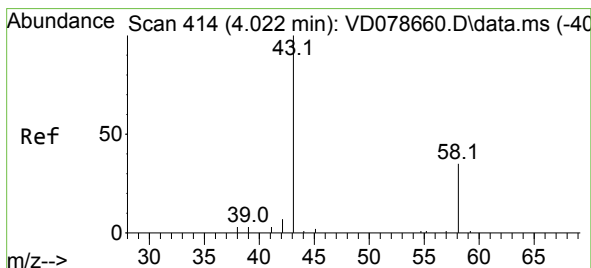
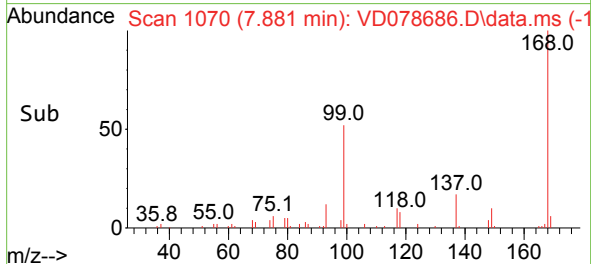
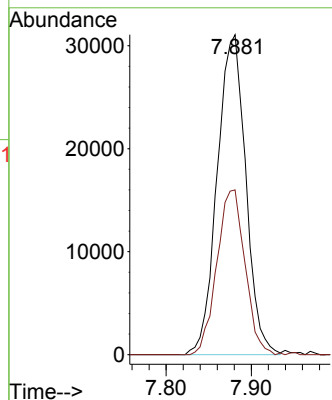
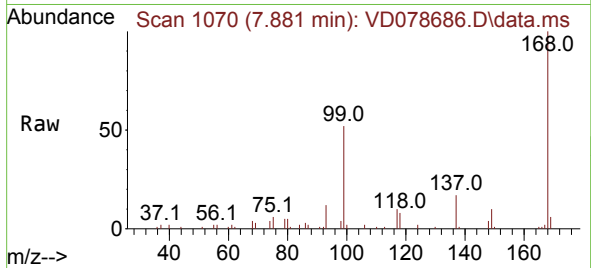




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

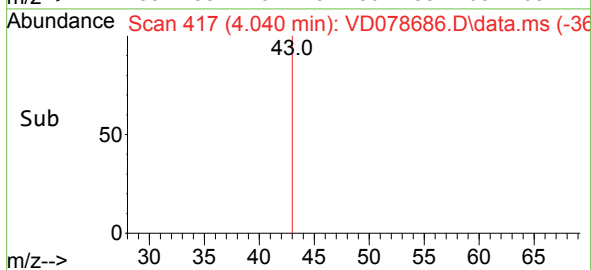
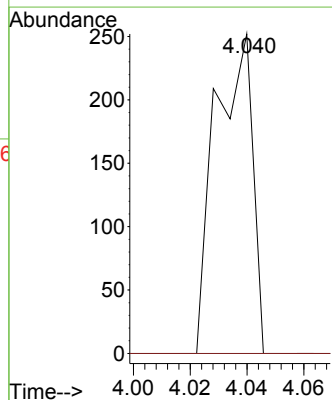
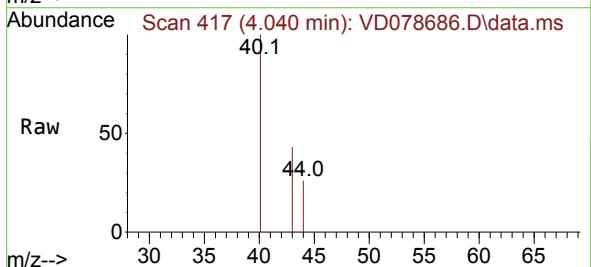
Instrument :
MSVOA_D
ClientSampleId :
SB-01-0-2.0RE

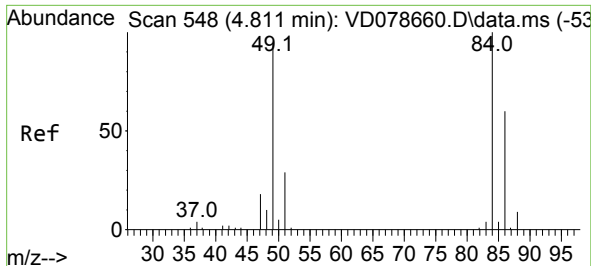
Tgt Ion:168 Resp: 72383
Ion Ratio Lower Upper
168 100
99 51.5 38.8 58.2



#16
Acetone
Concen: 1.738 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.018 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

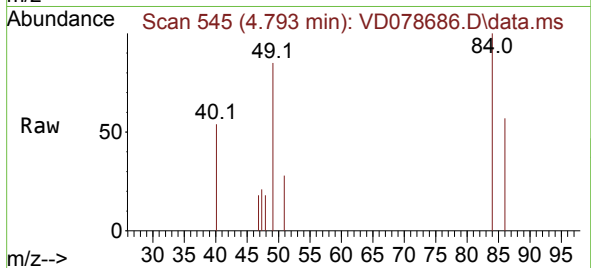
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#





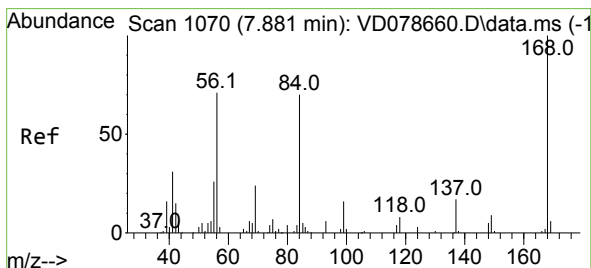
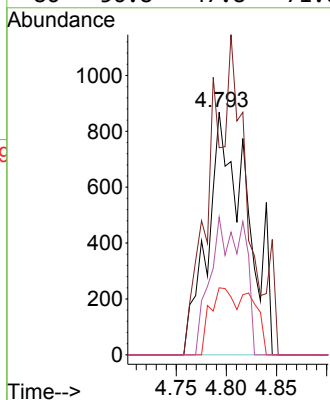
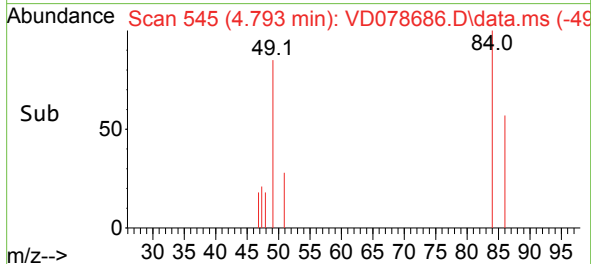
#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.018 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Instrument :
MSVOA_D
ClientSampleId :
SB-01-0-2.0RE

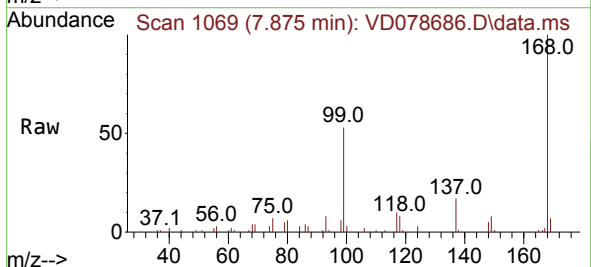


Tgt Ion: 84 Resp: 2367

Ion	Ratio	Lower	Upper
84	100		
49	85.4	75.6	113.4
51	27.6	23.4	35.0
86	56.8	47.8	71.6

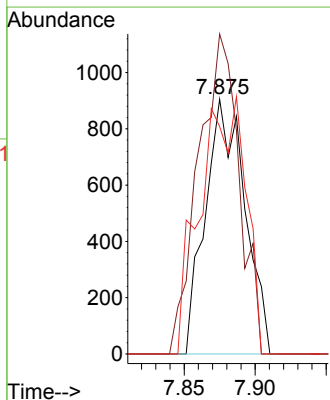
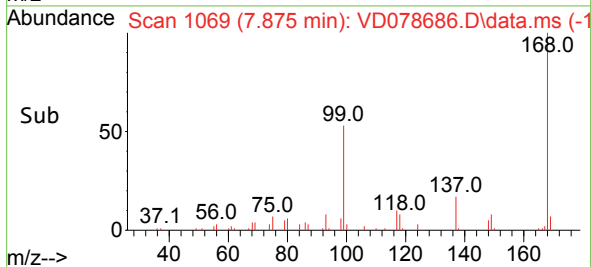


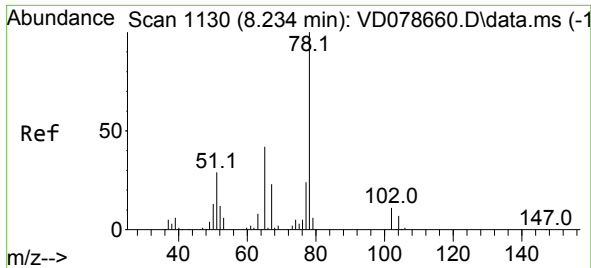
#31
Cyclohexane
Concen: 1.538 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42



Tgt Ion: 56 Resp: 1754

Ion	Ratio	Lower	Upper
56	100		
69	125.6	26.6	40.0#
84	89.3	79.4	119.2





#33

1,2-Dichloroethane-d4

Concen: 67.116 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

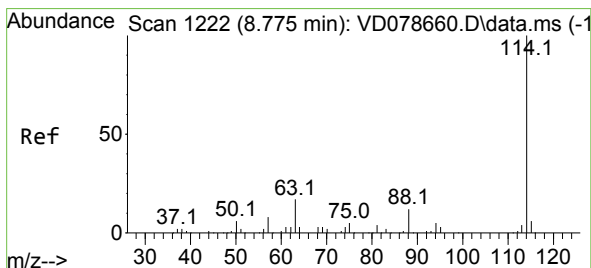
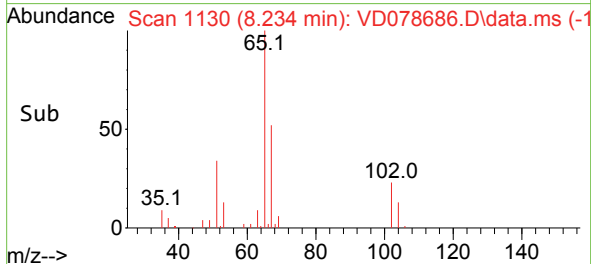
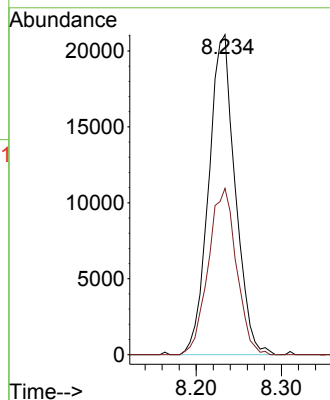
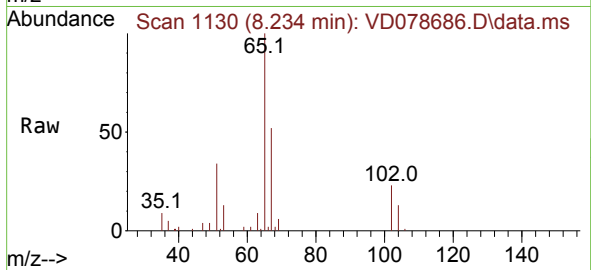
SB-01-0-2.0RE

Tgt Ion: 65 Resp: 45528

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

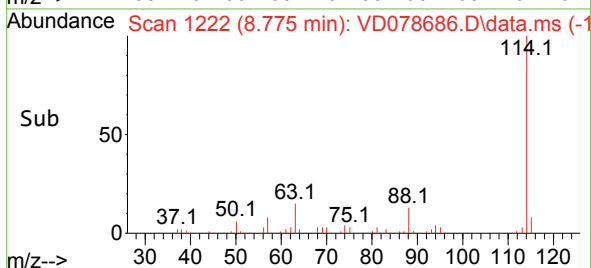
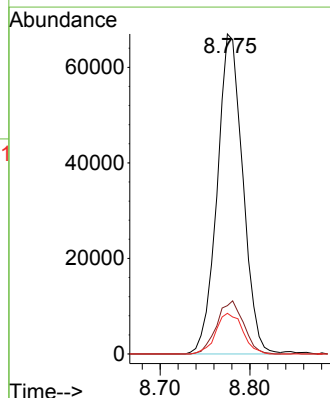
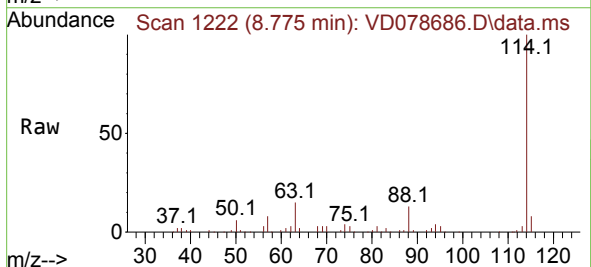
Tgt Ion:114 Resp: 132702

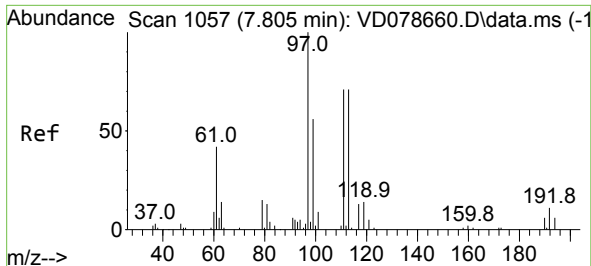
Ion Ratio Lower Upper

114 100

63 15.1 0.0 33.4

88 12.7 0.0 24.6





#35

Dibromofluoromethane

Concen: 57.928 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

SB-01-0-2.0RE

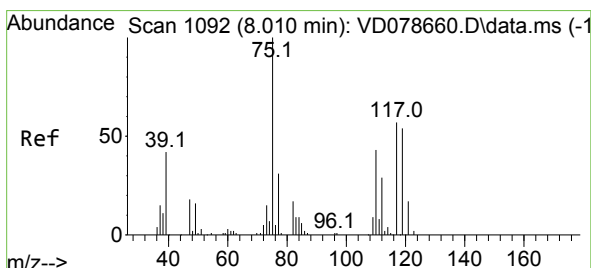
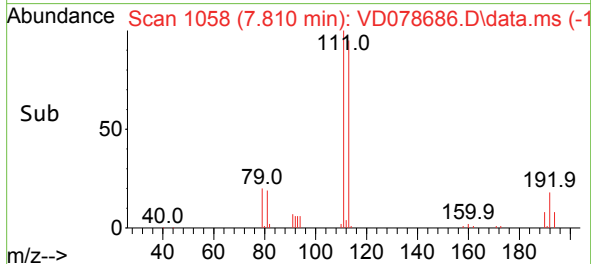
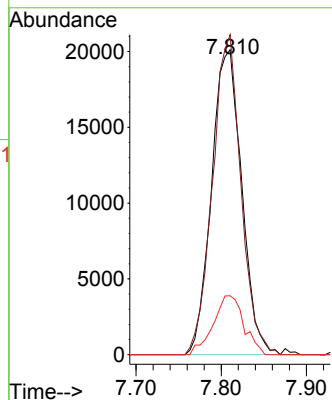
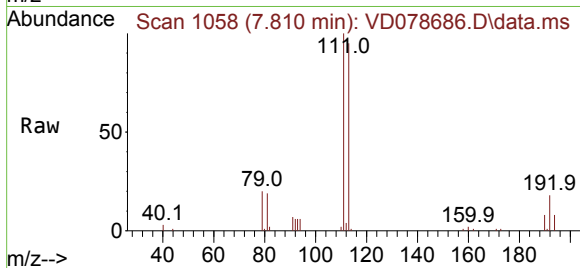
Tgt Ion:113 Resp: 49494

Ion Ratio Lower Upper

113 100

111 98.9 81.9 122.9

192 19.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.525 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

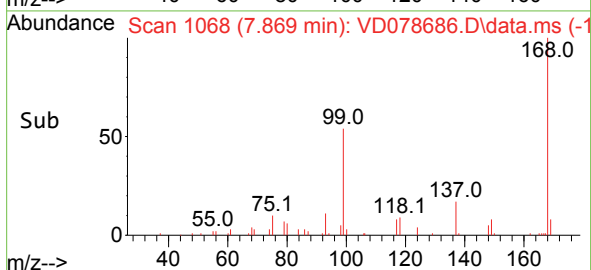
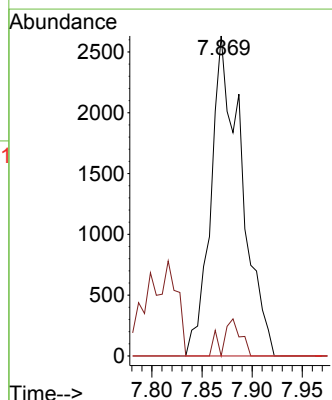
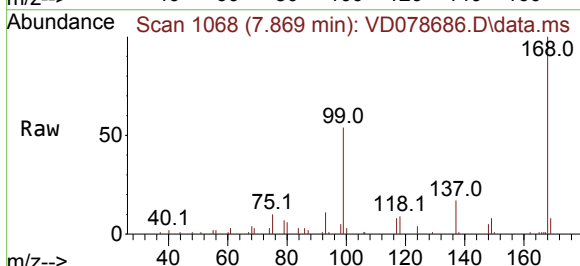
Tgt Ion: 75 Resp: 5610

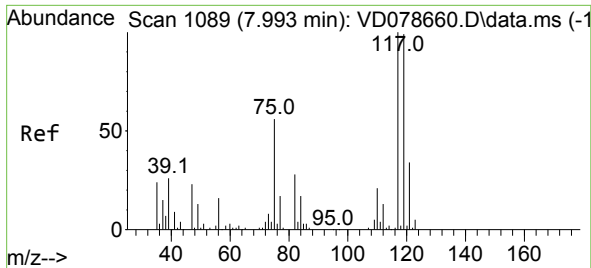
Ion Ratio Lower Upper

75 100

110 6.8 19.1 57.1#

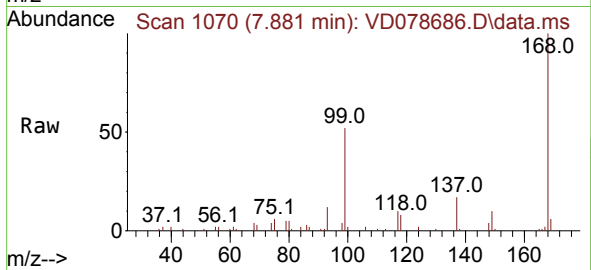
77 0.0 25.4 38.2#



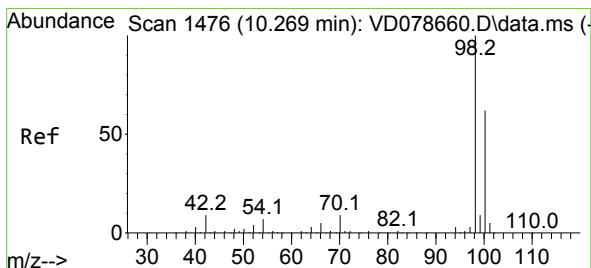
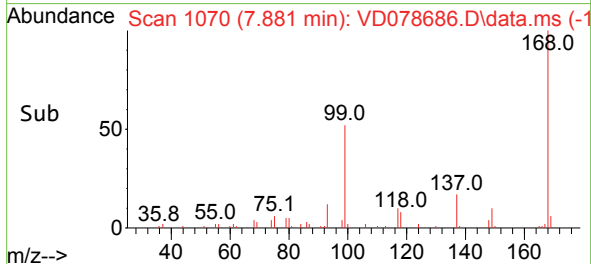
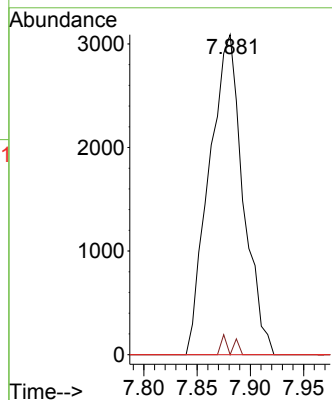


#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Instrument :
MSVOA_D
ClientSampleId :
SB-01-0-2.0RE

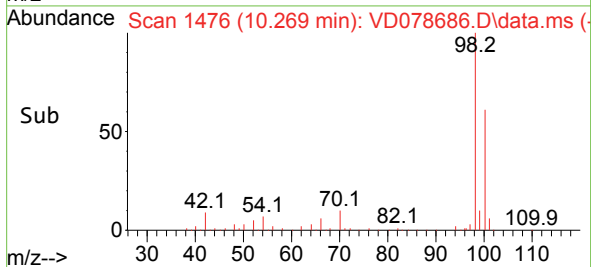
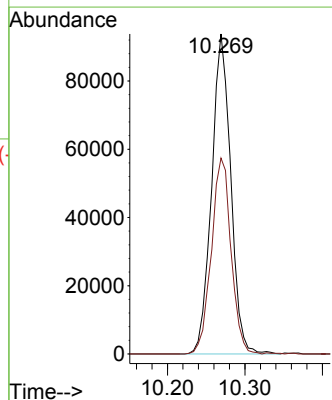
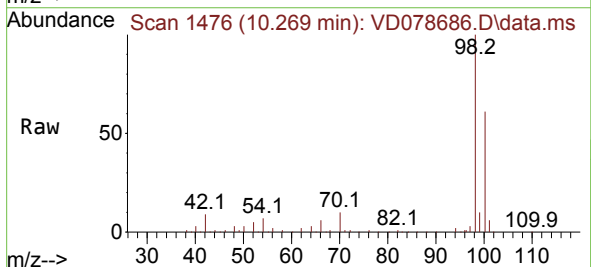


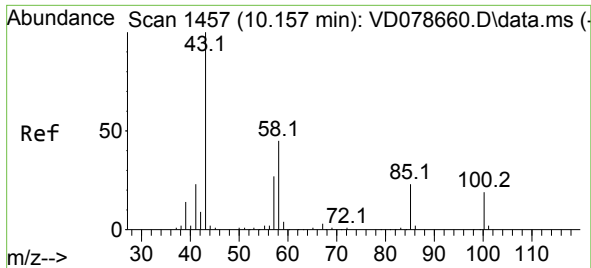
Tgt Ion:117 Resp: 6828
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
121 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 51.274 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Tgt Ion: 98 Resp: 161114
Ion Ratio Lower Upper
98 100
100 62.9 50.5 75.7

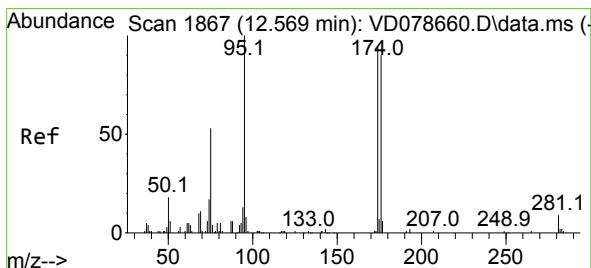
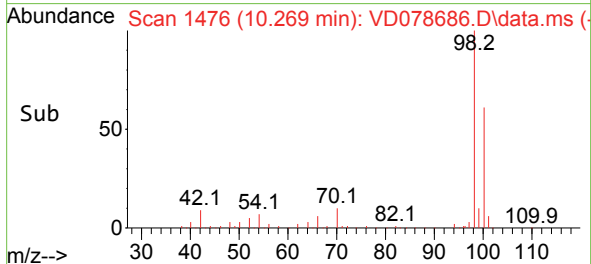
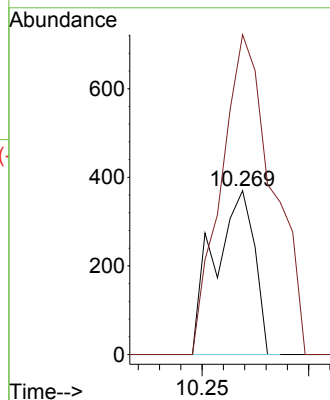
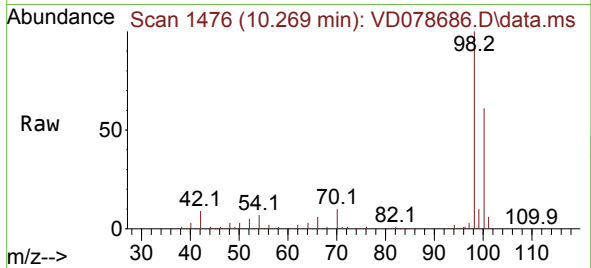




#51
4-Methyl-2-Pentanone
Concen: 1.252 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

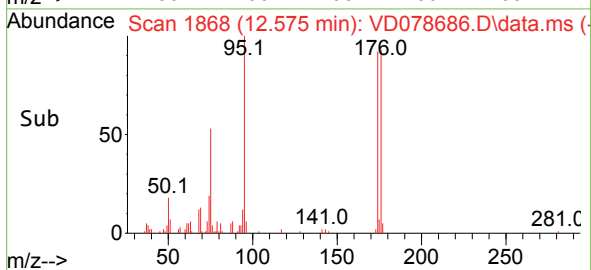
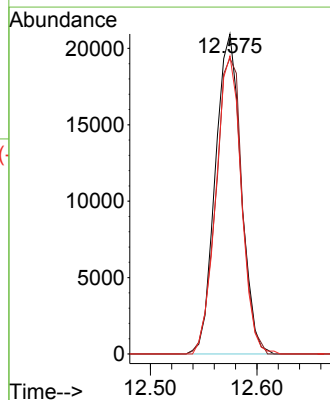
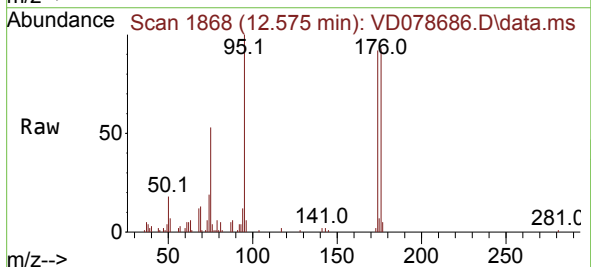
Instrument :
MSVOA_D
ClientSampleId :
SB-01-0-2.0RE

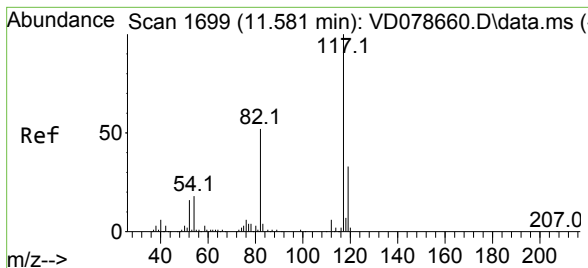
Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
58 252.7 36.4 54.6#



#62
4-Bromofluorobenzene
Concen: 38.149 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Tgt Ion: 95 Resp: 35069
Ion Ratio Lower Upper
95 100
174 94.7 0.0 195.2
176 92.0 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

SB-01-0-2.0RE

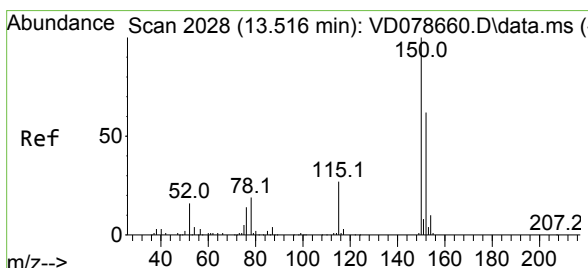
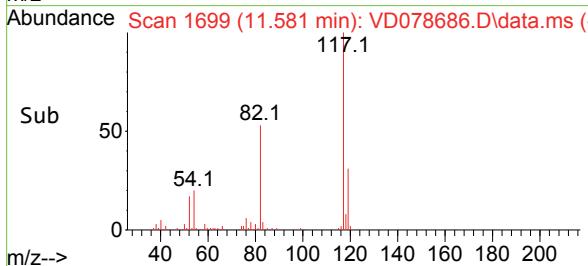
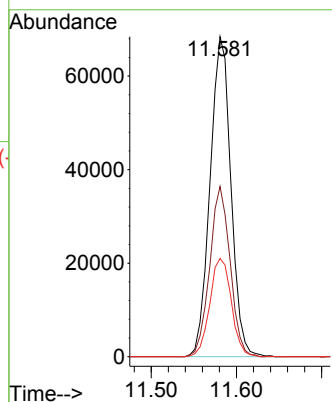
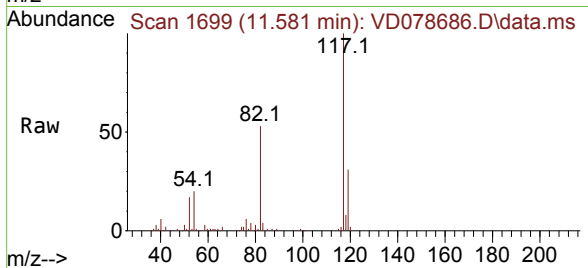
Tgt Ion:117 Resp: 116120

Ion Ratio Lower Upper

117 100

82 53.2 41.4 62.2

119 30.7 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078686.D

Acq: 15 Mar 2024 16:42

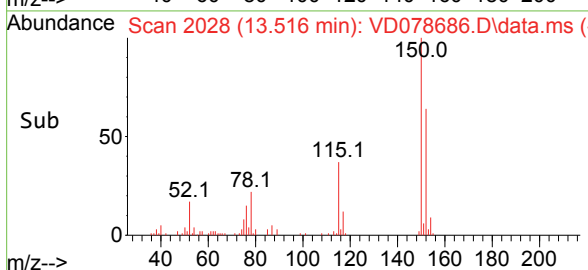
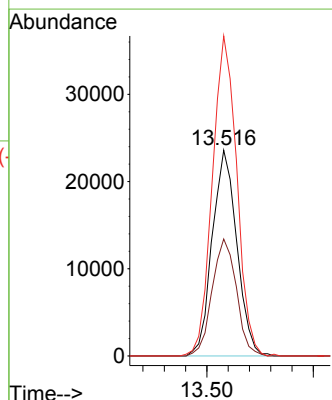
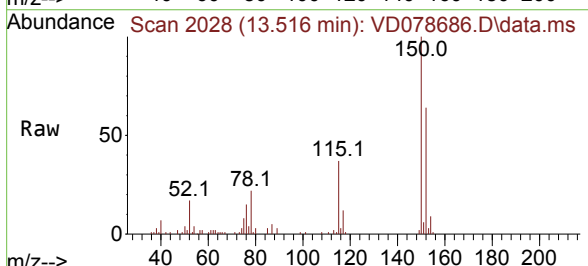
Tgt Ion:152 Resp: 37788

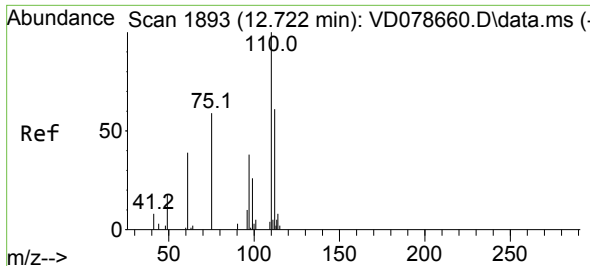
Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.2

150 154.2 0.0 350.2

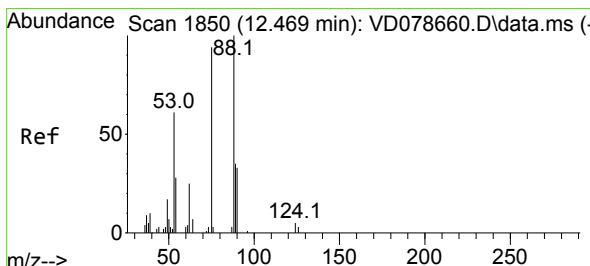
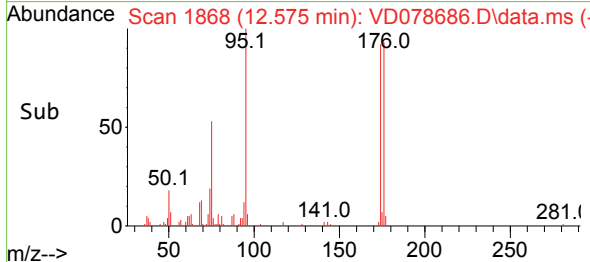
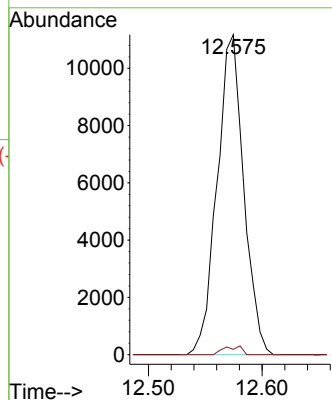
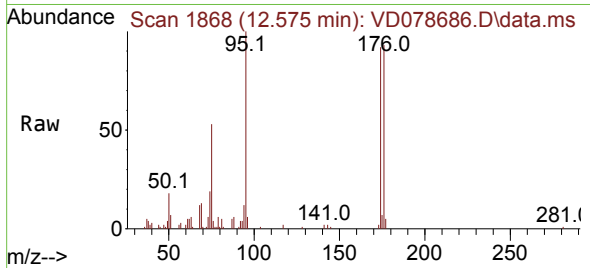




#76
1,2,3-Trichloropropane
Concen: 62.549 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Instrument :
MSVOA_D
ClientSampleId :
SB-01-0-2.0RE

Tgt Ion: 75 Resp: 18210
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.112 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078686.D
Acq: 15 Mar 2024 16:42

Tgt Ion: 75 Resp: 18210
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

