

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020824\
 Data File : VD078379.D
 Acq On : 08 Feb 2024 19:50
 Operator : RP/MD
 Sample : P1394-05
 Misc : 4.75G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

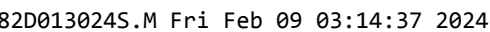
Quant Time: Feb 09 03:14:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

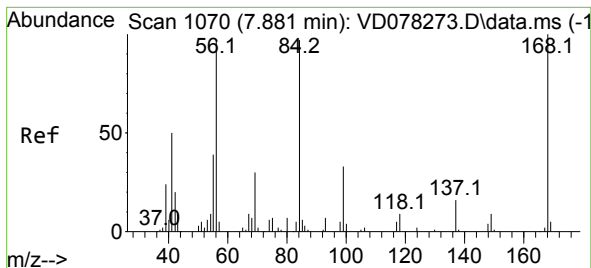
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	57665	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	134506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	157305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45938	64.352	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.700%	
35) Dibromofluoromethane	7.804	113	50086	52.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.600%	
50) Toluene-d8	10.269	98	178392	49.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.420%	
62) 4-Bromofluorobenzene	12.569	95	65028	59.894	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.069	59	77	1.691	ug/l	# 73
16) Acetone	4.034	43	1662	Below Cal		89
20) Methylene Chloride	4.799	84	6216	4.611	ug/l	# 73
31) Cyclohexane	7.875	56	1430	1.070	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	5296	3.335	ug/l	# 45
38) Carbon Tetrachloride	7.875	117	7154	4.582	ug/l	# 11
76) 1,2,3-Trichloropropane	12.569	75	34391	44.108	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	34391	87.722	ug/l	# 17

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

Quant Time: Feb 09 03:14:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 03:58:19 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Instrument :

MSVOA_D

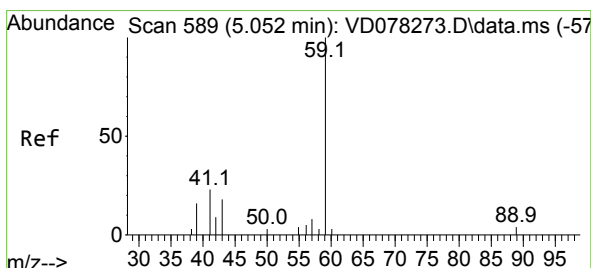
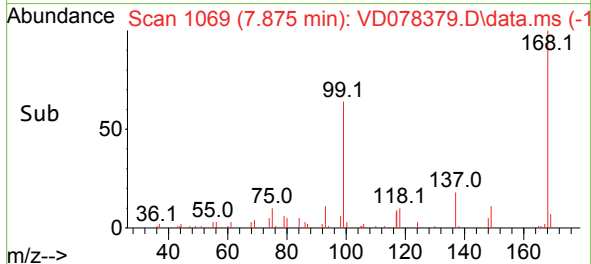
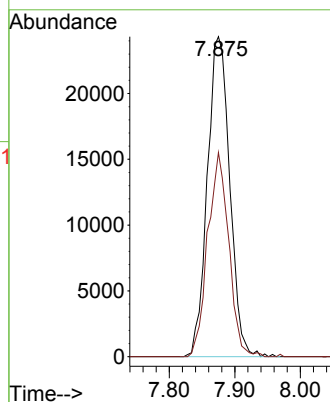
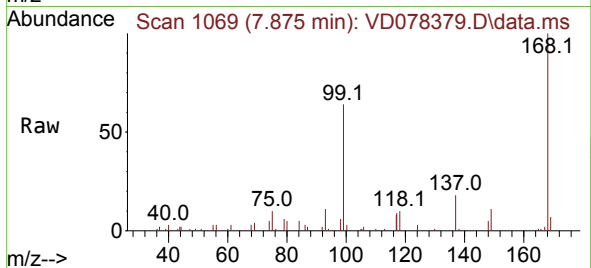
ClientSampleId :

Tgt Ion:168 Resp: 57665

Ion Ratio Lower Upper

168 100

99 63.8 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.691 ug/l

RT: 5.069 min Scan# 592

Delta R.T. 0.018 min

Lab File: VD078379.D

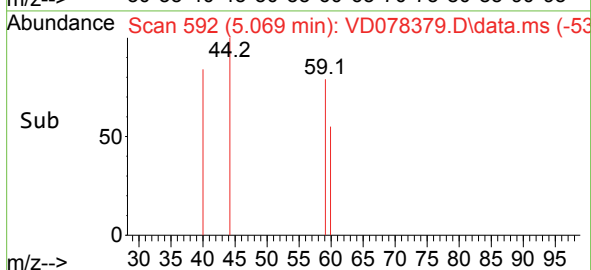
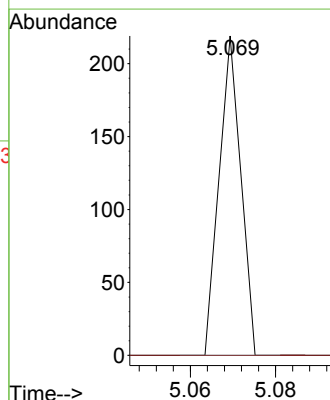
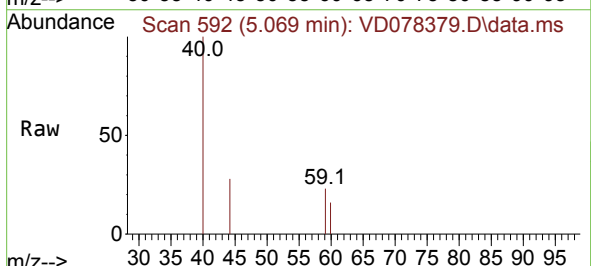
Acq: 08 Feb 2024 19:50

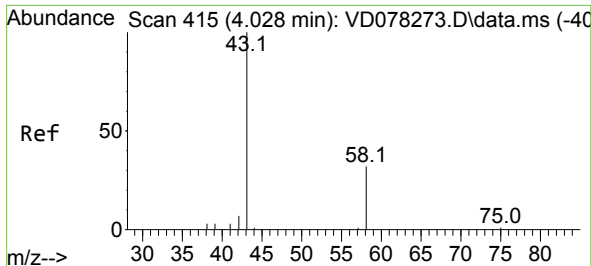
Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Instrument :

MSVOA_D

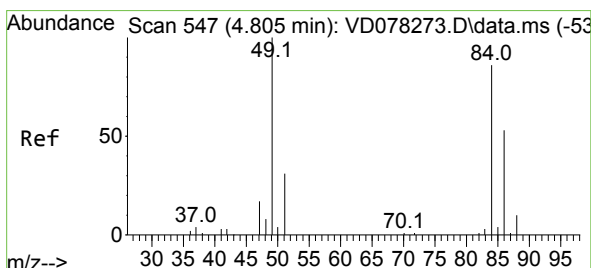
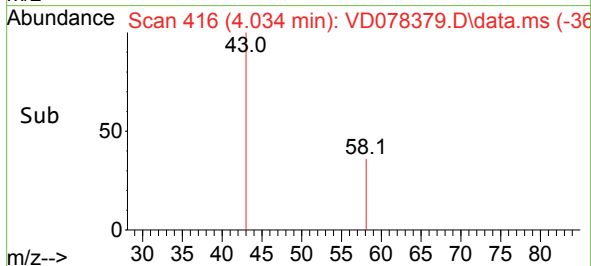
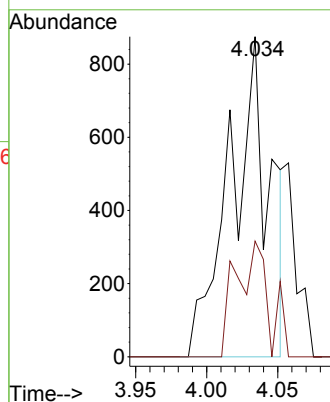
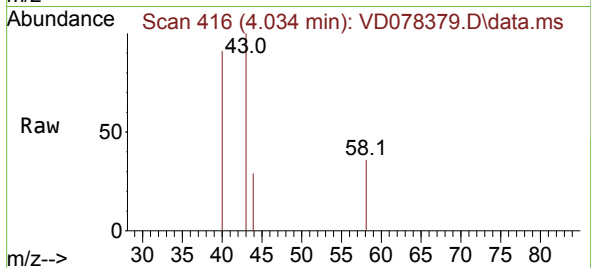
ClientSampleId :

Tgt Ion: 43 Resp: 1662

Ion Ratio Lower Upper

43 100

58 36.1 34.7 52.1



#20

Methylene Chloride

Concen: 4.611 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Tgt Ion: 84 Resp: 6216

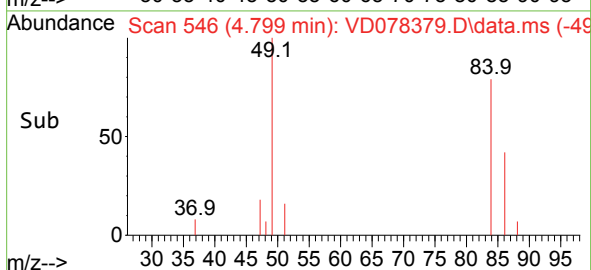
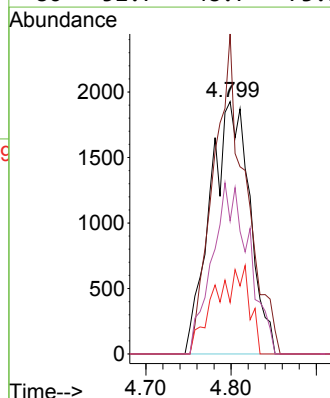
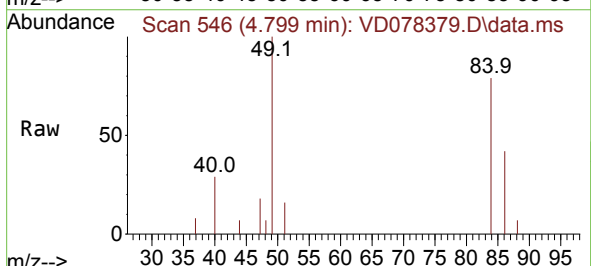
Ion Ratio Lower Upper

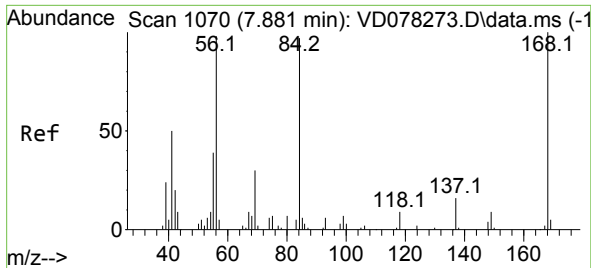
84 100

49 126.8 71.4 107.2#

51 20.4 24.5 36.7#

86 52.7 48.7 73.1

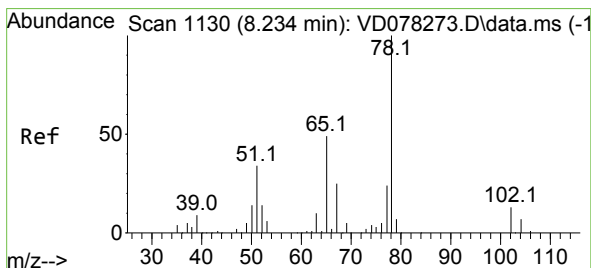
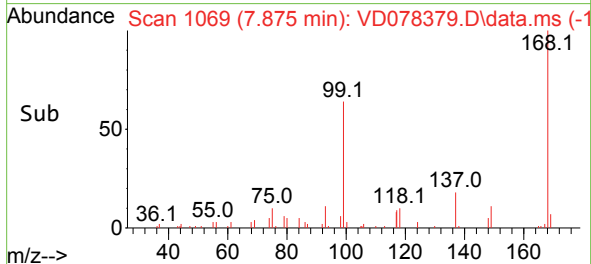
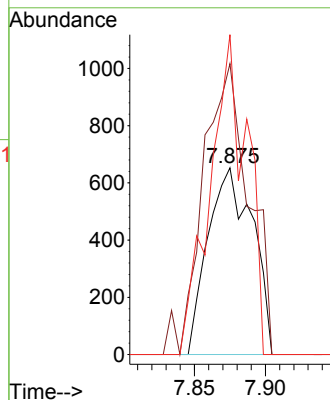
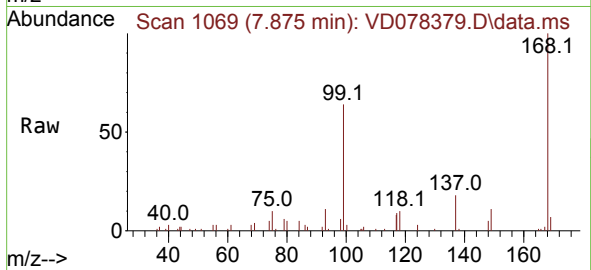




#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

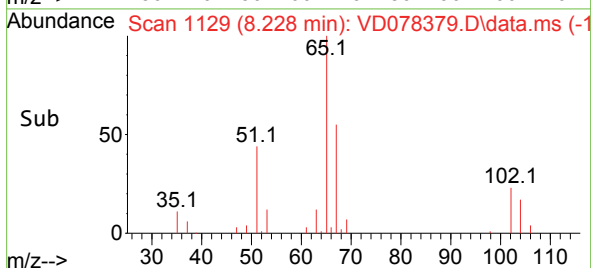
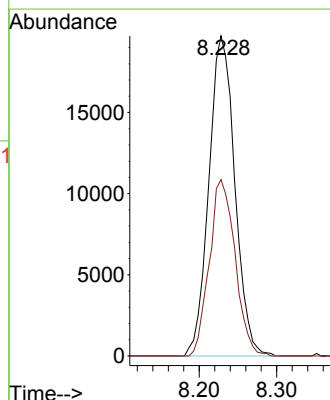
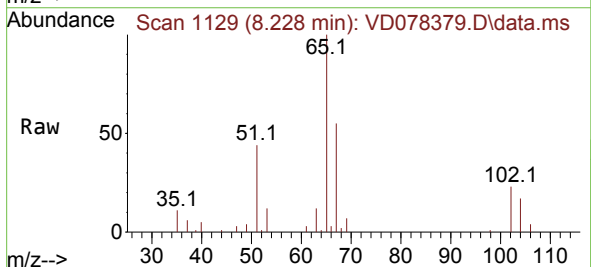
Instrument :
MSVOA_D
ClientSampleId :

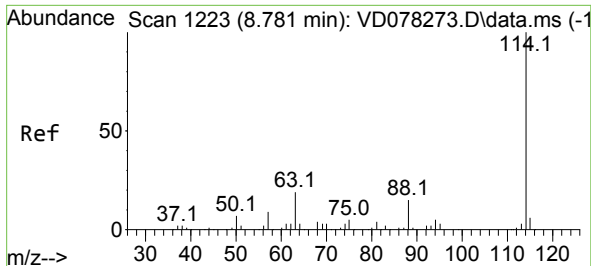
Tgt Ion: 56 Resp: 1430
Ion Ratio Lower Upper
56 100
69 155.7 28.6 43.0#
84 171.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 64.352 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

Tgt Ion: 65 Resp: 45938
Ion Ratio Lower Upper
65 100
67 54.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Instrument :

MSVOA_D

ClientSampleId :

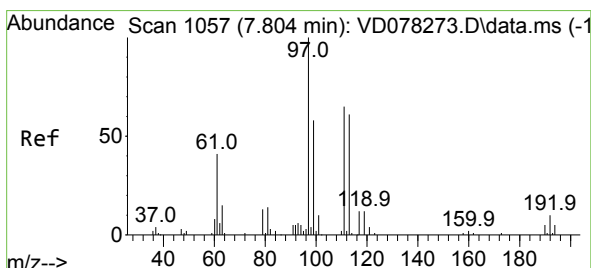
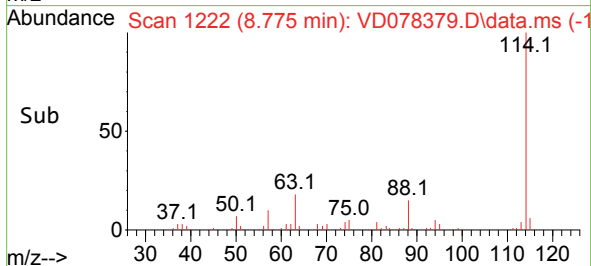
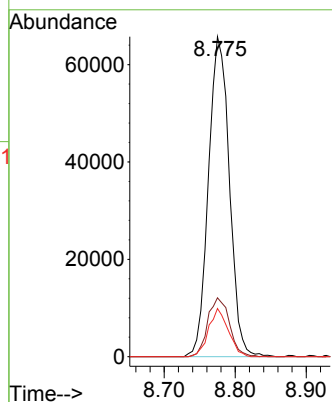
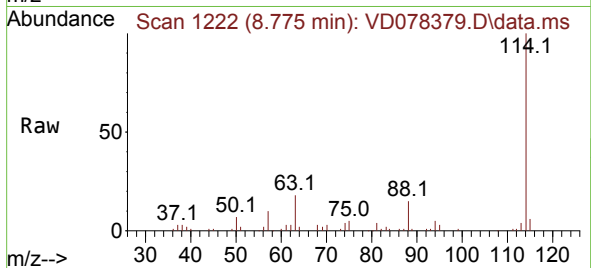
Tgt Ion:114 Resp: 134506

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 15.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.304 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

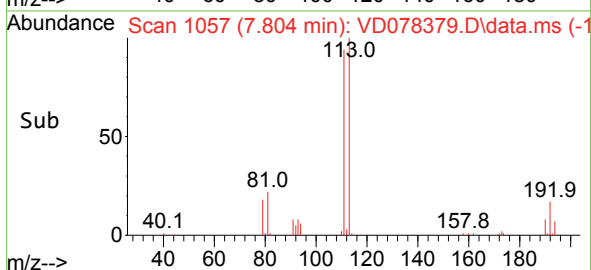
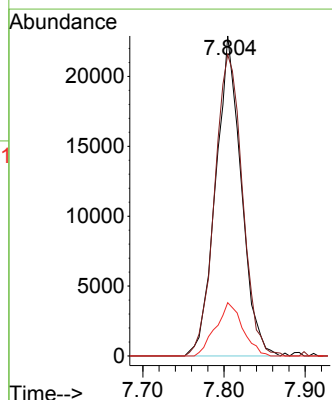
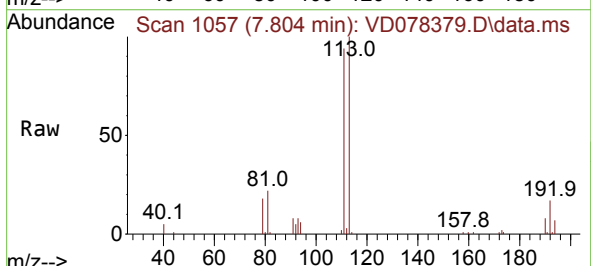
Tgt Ion:113 Resp: 50086

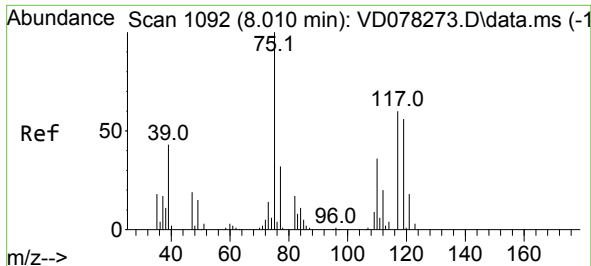
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 17.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.335 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078379.D

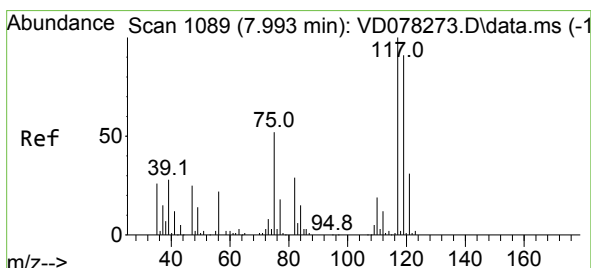
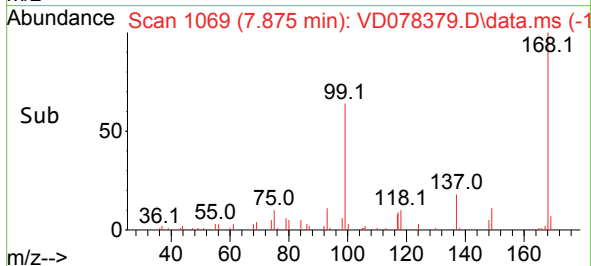
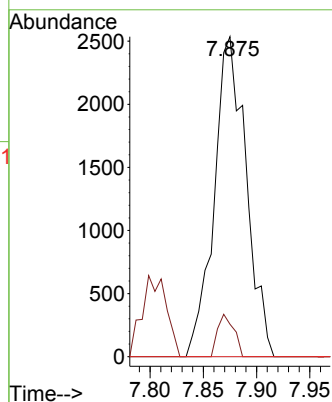
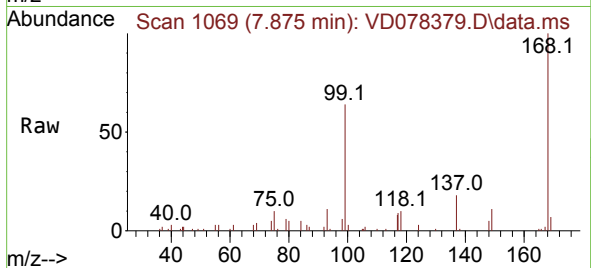
Acq: 08 Feb 2024 19:50

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 5296
Ion Ratio	Lower Upper
75	100
110	6.7 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.582 ug/l

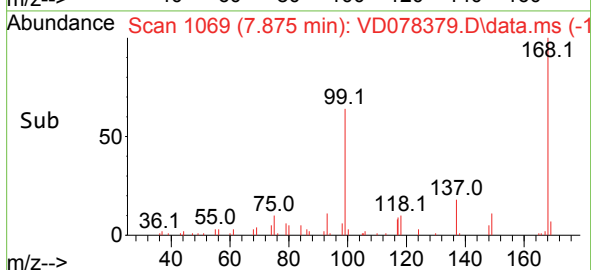
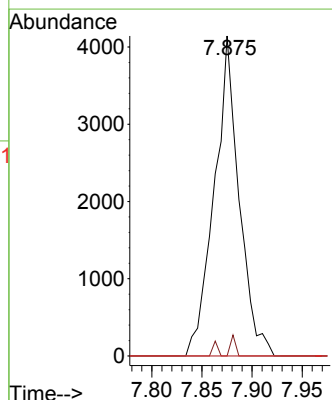
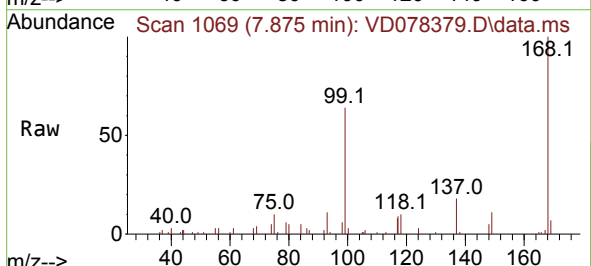
RT: 7.875 min Scan# 1069

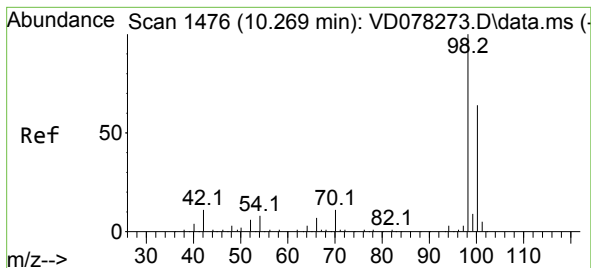
Delta R.T. -0.118 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Tgt Ion: 117	Resp: 7154
Ion Ratio	Lower Upper
117	100
119	0.0 78.0 117.0#
121	0.0 24.2 36.2#

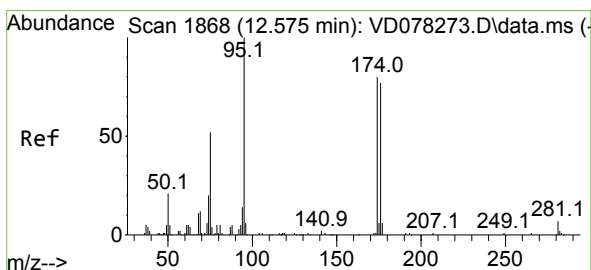
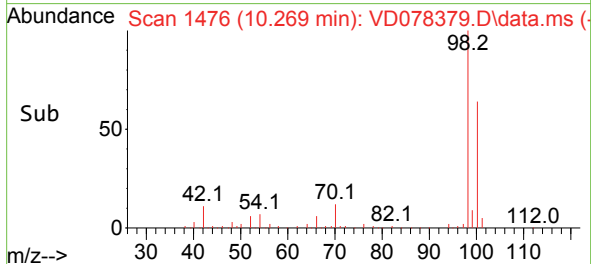
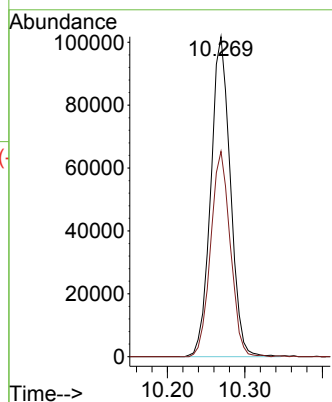
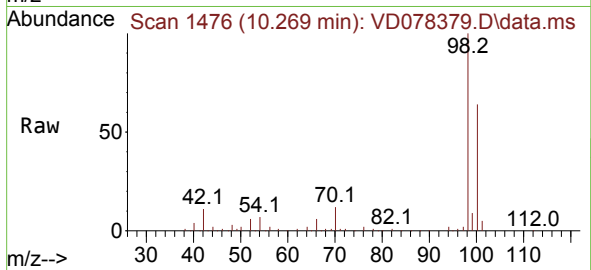




#50
Toluene-d8
Concen: 49.205 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

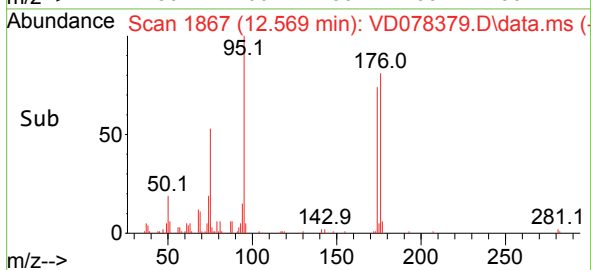
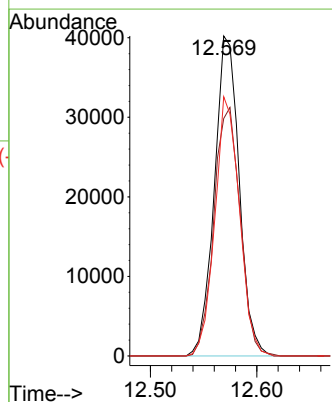
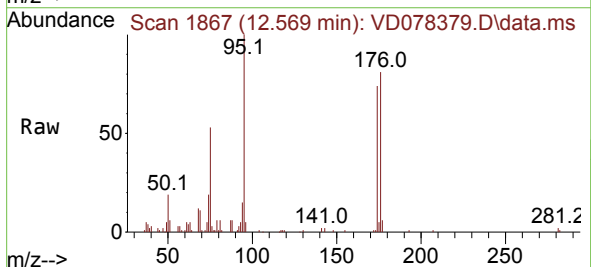
Instrument :
MSVOA_D
ClientSampleId :

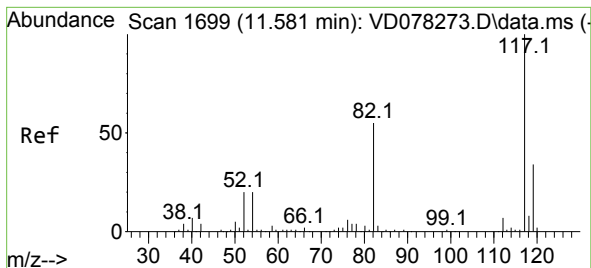
Tgt Ion: 98 Resp: 178392
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.894 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

Tgt Ion: 95 Resp: 65028
Ion Ratio Lower Upper
95 100
174 82.3 0.0 201.8
176 80.3 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078379.D

Acq: 08 Feb 2024 19:50

Instrument :

MSVOA_D

ClientSampleId :

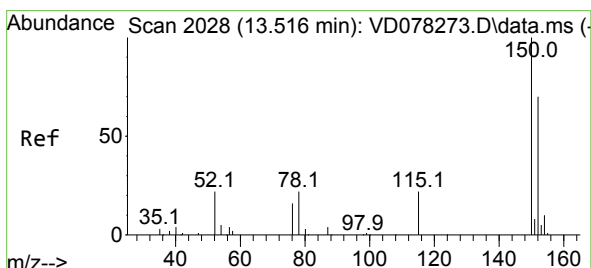
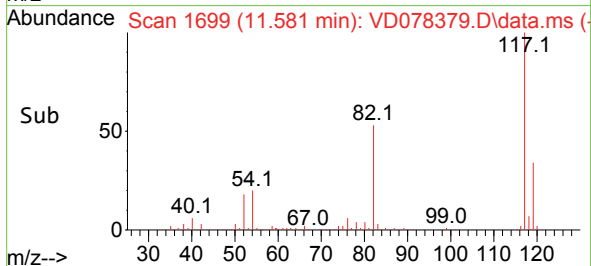
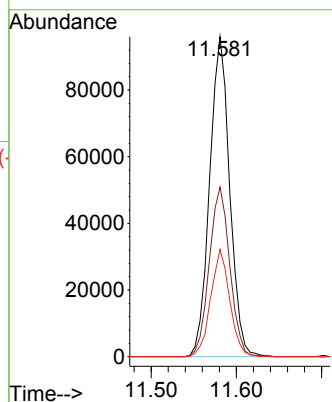
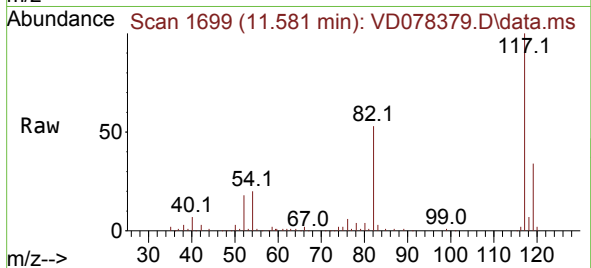
Tgt Ion:117 Resp: 157305

Ion Ratio Lower Upper

117 100

82 53.0 38.3 57.5

119 33.5 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: VD078379.D

Acq: 08 Feb 2024 19:50

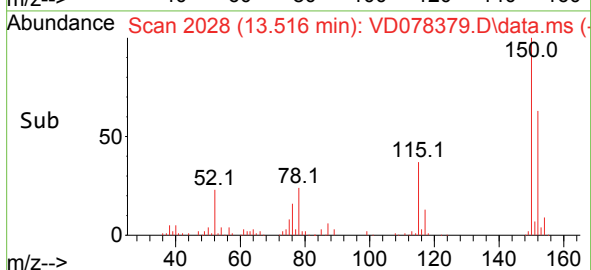
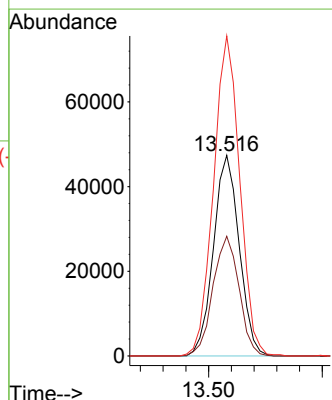
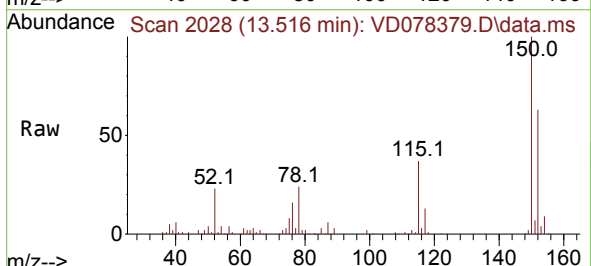
Tgt Ion:152 Resp: 74599

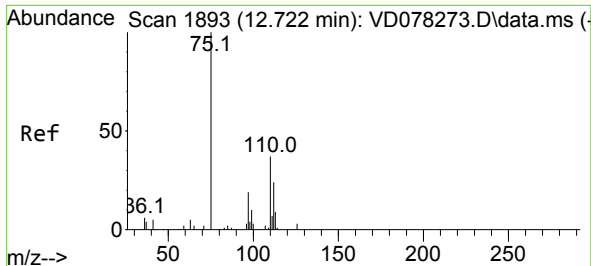
Ion Ratio Lower Upper

152 100

115 60.3 27.1 81.3

150 162.2 0.0 353.6

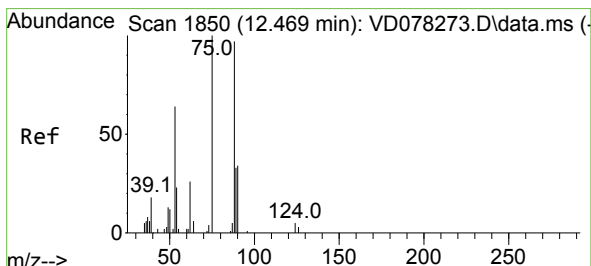
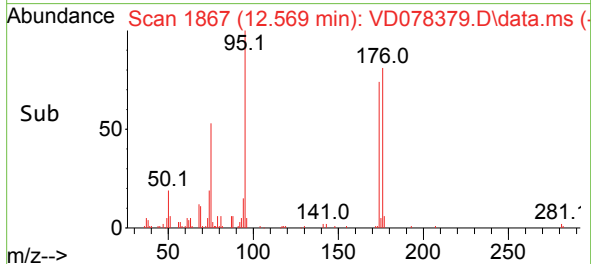
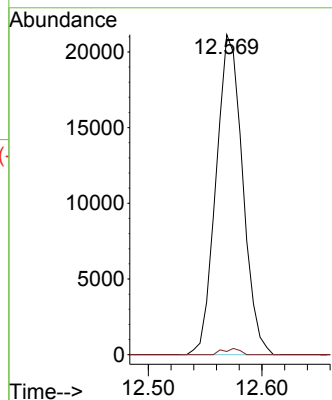
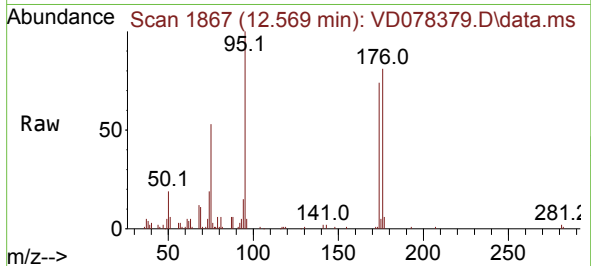




#76
1,2,3-Trichloropropane
Concen: 44.108 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34391
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.722 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078379.D
Acq: 08 Feb 2024 19:50

Tgt Ion: 75 Resp: 34391
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#

