

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031524\
 Data File : VD078684.D
 Acq On : 15 Mar 2024 15:47
 Operator : RP/MD
 Sample : P1746-15RE
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-0-2.0RE

Quant Time: Mar 16 05:26:26 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)

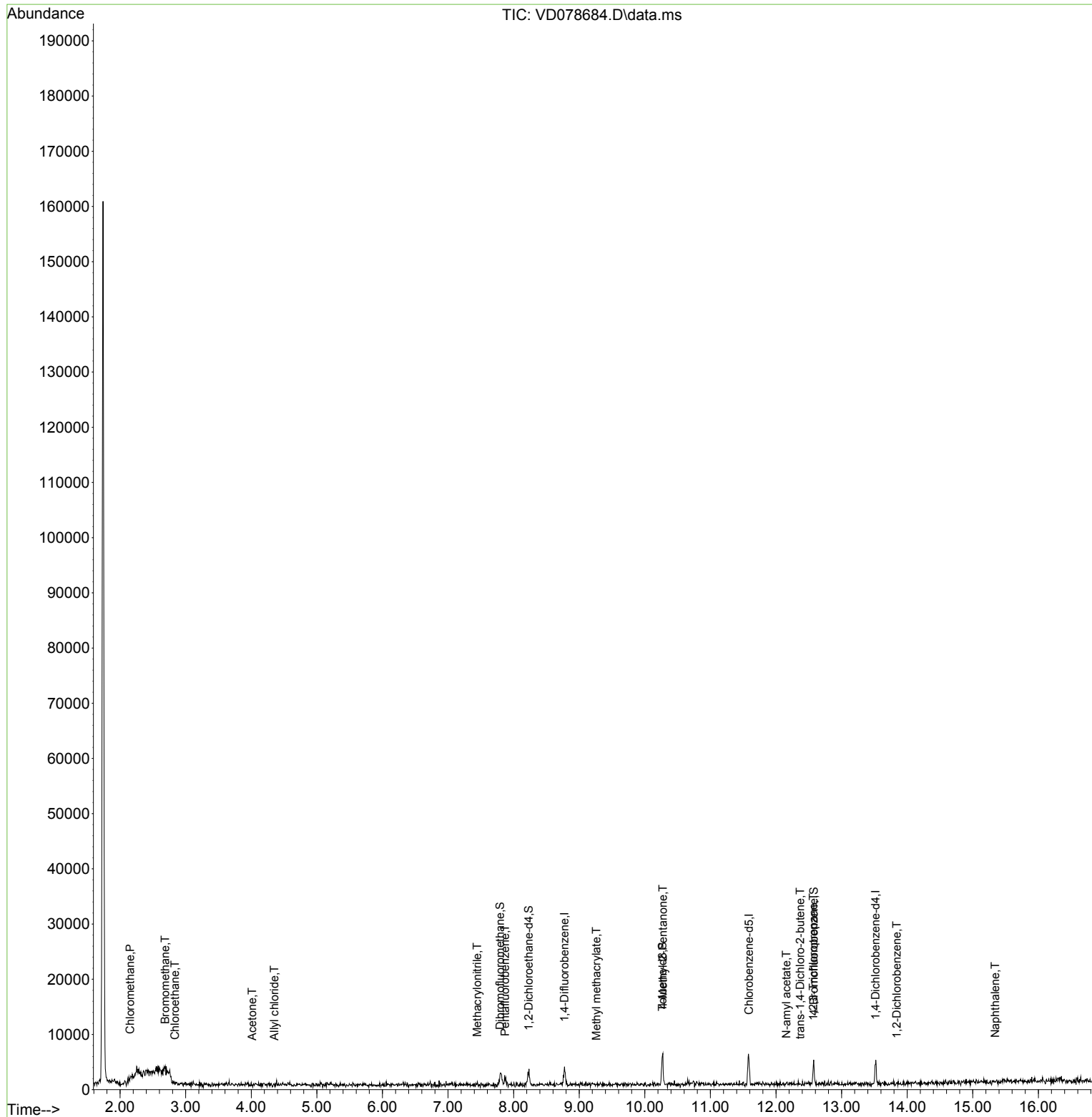
Internal Standards						
1) Pentafluorobenzene	7.869	168	1454	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	3374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	3835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	1437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	2066	151.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 303.240%#	
35) Dibromofluoromethane	7.793	113	1939	89.258	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 178.520%#	
50) Toluene-d8	10.269	98	4071	50.956	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.575	95	1282	54.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	145	6.786	ug/l	# 43
5) Bromomethane	2.687	94	58	1.922	ug/l	# 1
6) Chloroethane	2.834	64	62	2.522	ug/l	# 41
14) Allyl chloride	4.352	41	58	3.494	ug/l	# 18
16) Acetone	4.017	43	65	24.668	ug/l	# 39
41) Methacrylonitrile	7.446	41	72	13.343	ug/l	# 12
48) Methyl methacrylate	9.263	41	54	5.918	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.275	43	54	5.516	ug/l	# 31
74) N-amyl acetate	12.157	43	64	4.166	ug/l	# 36
76) 1,2,3-Trichloropropane	12.569	75	675	60.969	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.369	75	56	10.603	ug/l	# 19
91) 1,2-Dichlorobenzene	13.840	146	75	1.759	ug/l	# 25
95) Naphthalene	15.340	128	76	1.756	ug/l	# 70

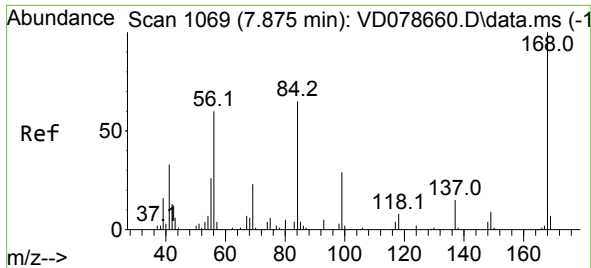
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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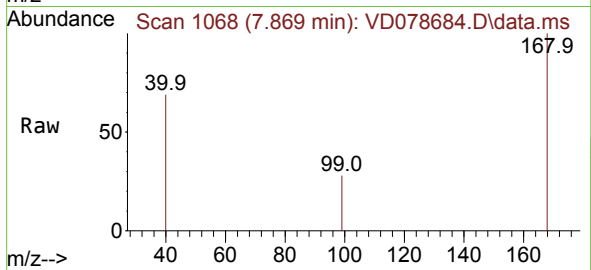
Quant Time: Mar 16 05:26:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
Response via : Initial Calibration



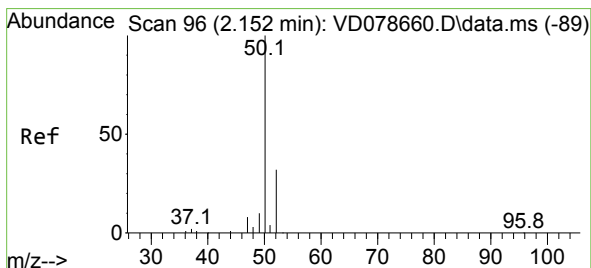
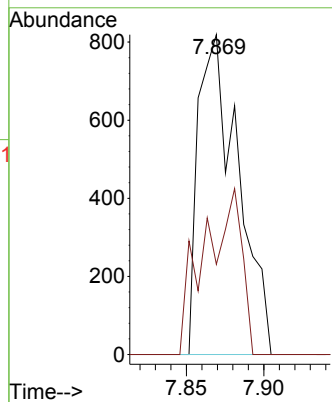
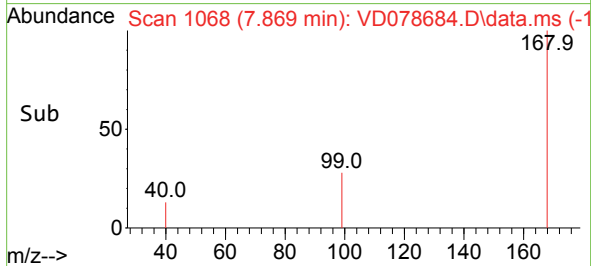


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

Instrument :
MSVOA_D
ClientSampleId :
SB-05-0-2.0RE

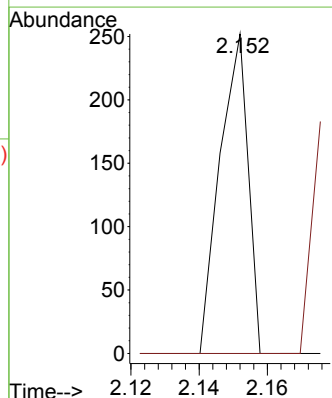
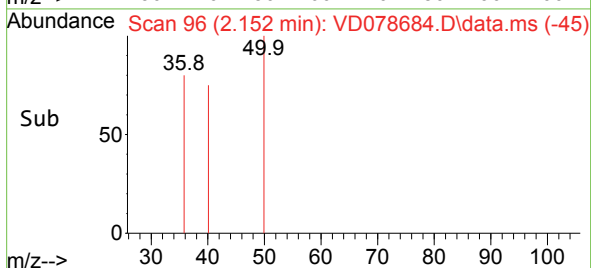
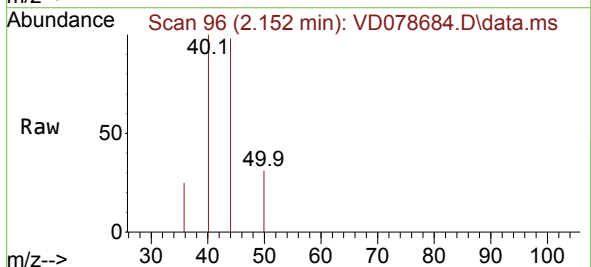


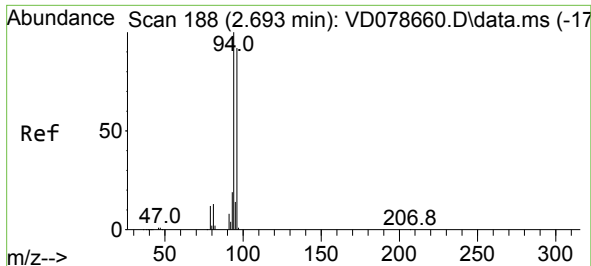
Tgt Ion:168 Resp: 1454
Ion Ratio Lower Upper
168 100
99 28.2 38.8 58.2#



#3
Chloromethane
Concen: 6.786 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

Tgt Ion: 50 Resp: 145
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

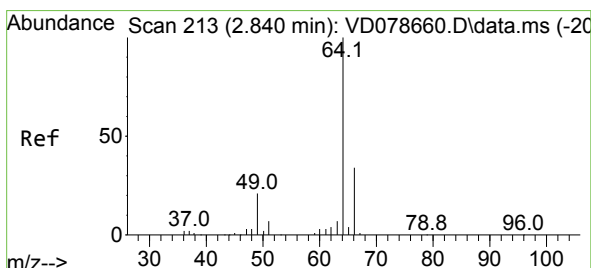
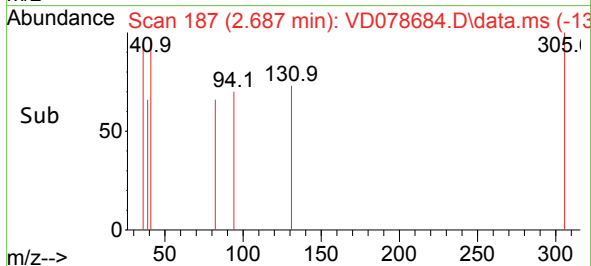
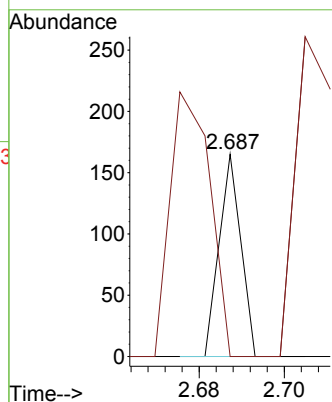
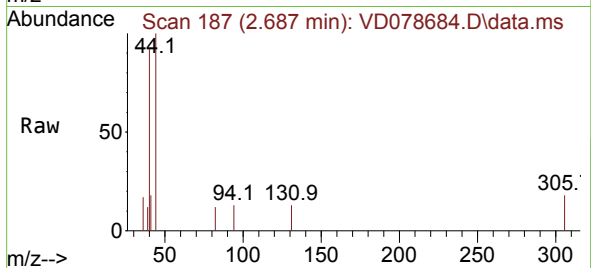




#5
Bromomethane
Concen: 1.922 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

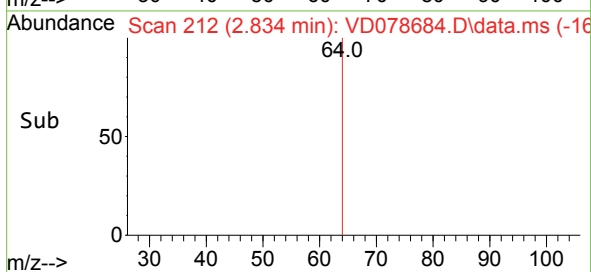
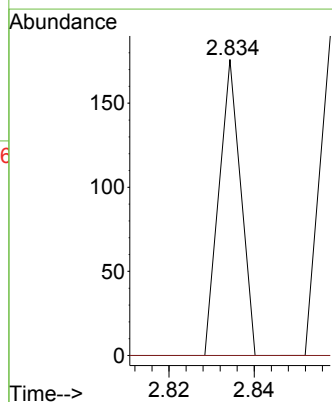
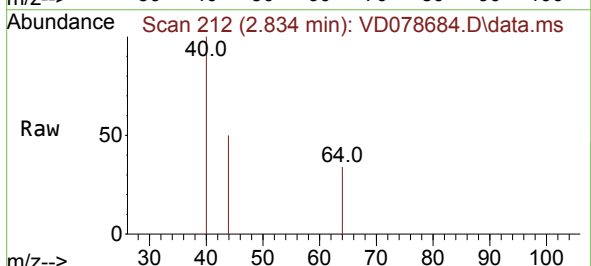
Instrument :
MSVOA_D
ClientSampleId :
SB-05-0-2.0RE

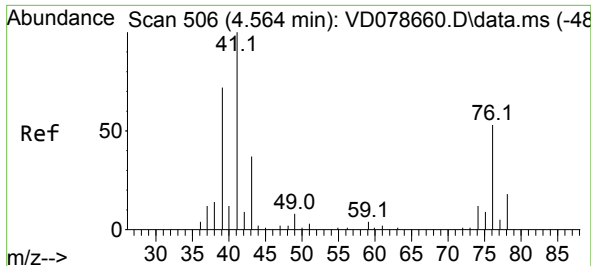
Tgt Ion: 94 Resp: 58
Ion Ratio Lower Upper
94 100
96 241.4 73.5 110.3#



#6
Chloroethane
Concen: 2.522 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 26.8 40.2#





#14

Allyl chloride

Concen: 3.494 ug/l

RT: 4.352 min Scan# 41

Delta R.T. -0.212 min

Lab File: VD078684.D

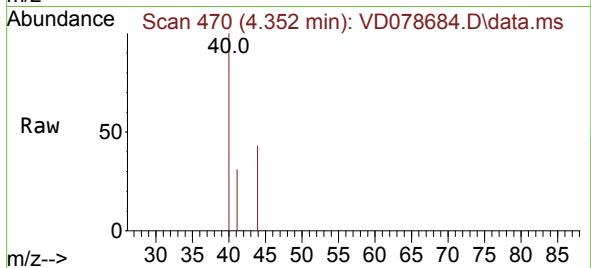
Acq: 15 Mar 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :

SB-05-0-2.0RE



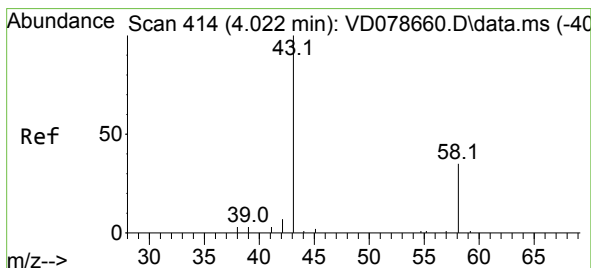
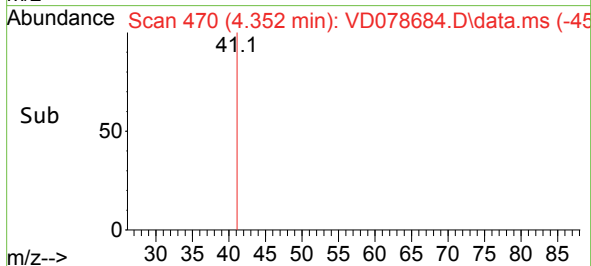
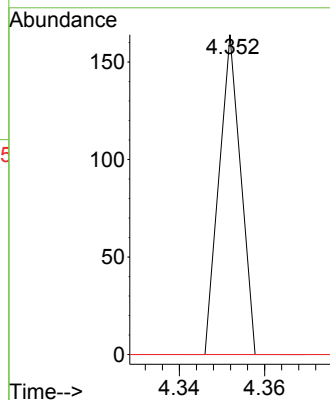
Tgt Ion: 41 Resp: 58

Ion Ratio Lower Upper

41 100

39 0.0 57.8 86.6#

76 0.0 44.8 67.2#



#16

Acetone

Concen: 24.668 ug/l

RT: 4.017 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD078684.D

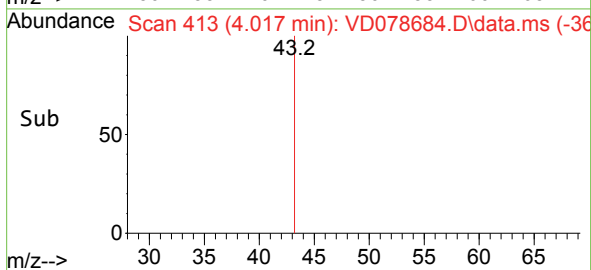
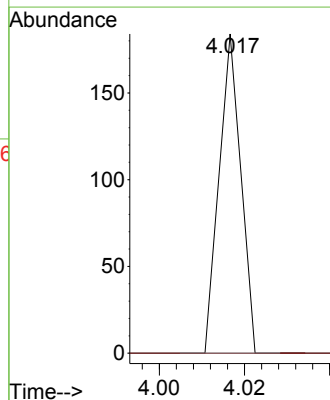
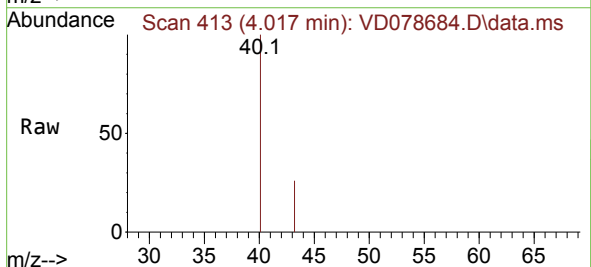
Acq: 15 Mar 2024 15:47

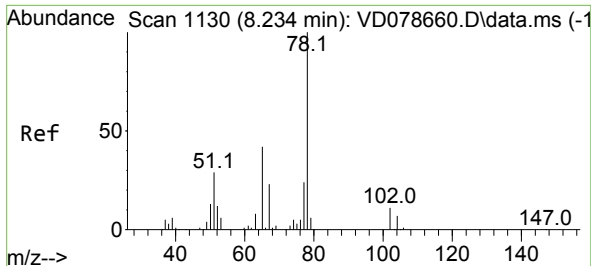
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.4#





#33

1,2-Dichloroethane-d4

Concen: 151.618 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078684.D

Acq: 15 Mar 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :

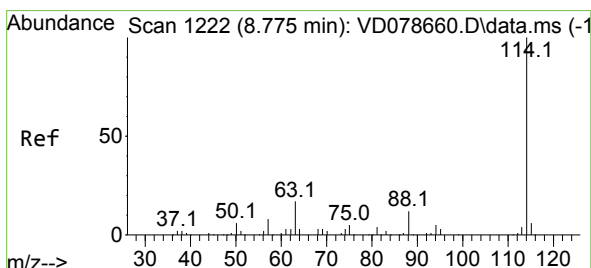
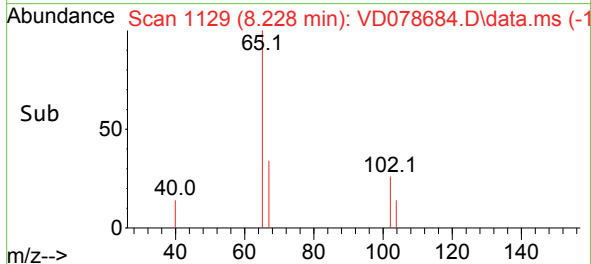
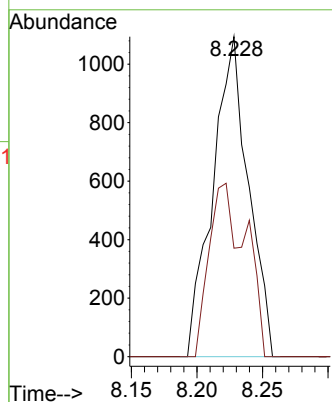
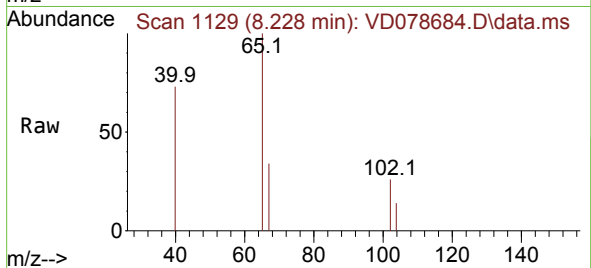
SB-05-0-2.0RE

Tgt Ion: 65 Resp: 2066

Ion Ratio Lower Upper

65 100

67 56.0 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: VD078684.D

Acq: 15 Mar 2024 15:47

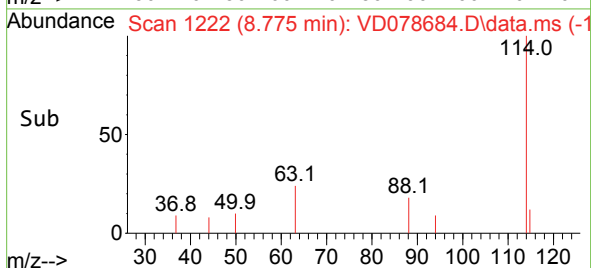
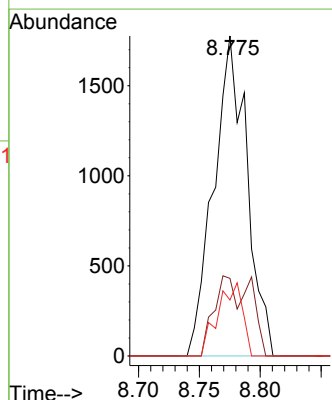
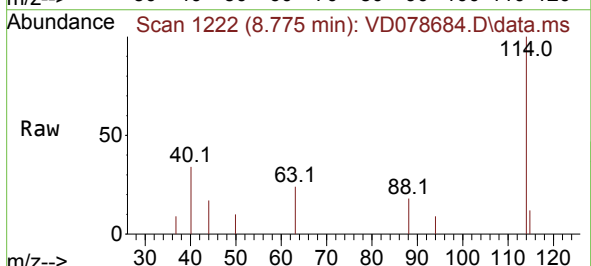
Tgt Ion: 114 Resp: 3374

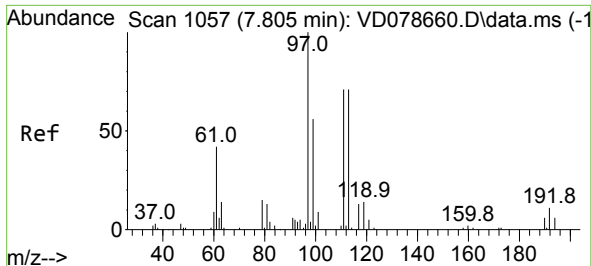
Ion Ratio Lower Upper

114 100

63 24.3 0.0 33.4

88 17.5 0.0 24.6





#35

Dibromofluoromethane

Concen: 89.258 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.012 min

Lab File: VD078684.D

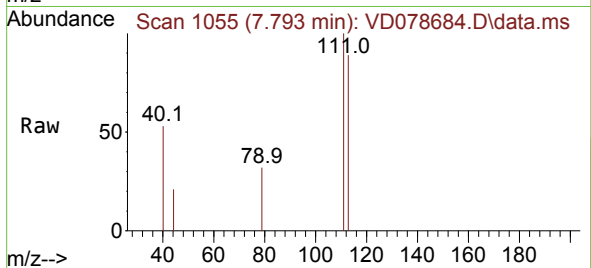
Acq: 15 Mar 2024 15:47

Instrument :

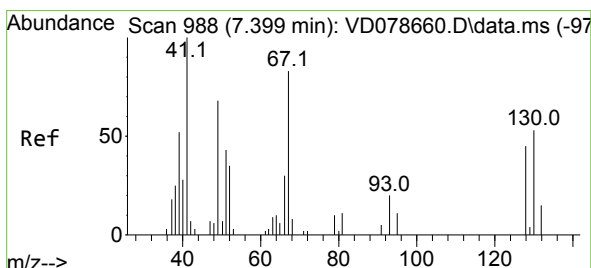
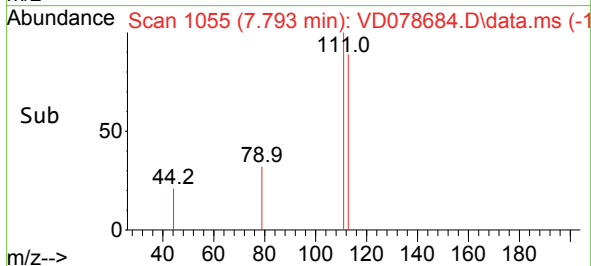
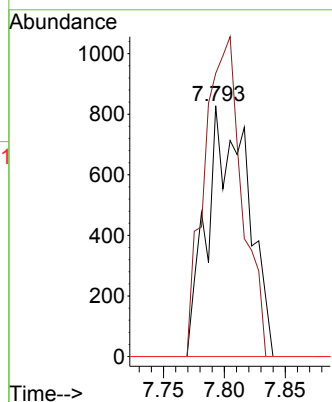
MSVOA_D

ClientSampleId :

SB-05-0-2.0RE



Tgt Ion	Ratio	Lower	Upper
113	100		
111	116.2	81.9	122.9
192	0.0	15.4	23.0#



#41

Methacrylonitrile

Concen: 13.343 ug/l

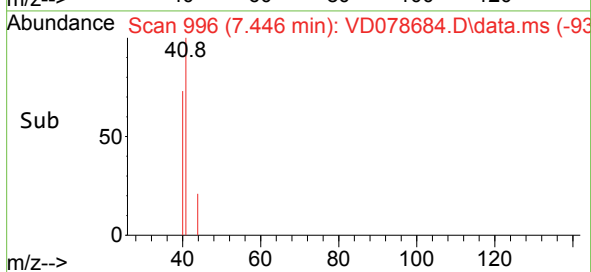
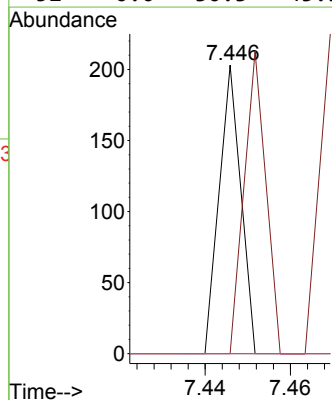
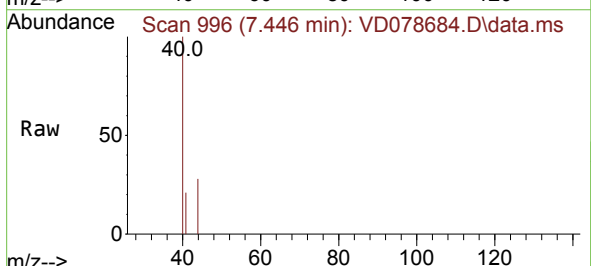
RT: 7.446 min Scan# 996

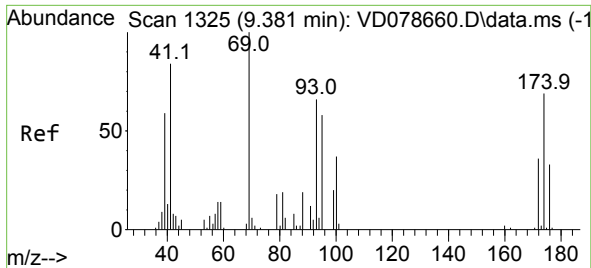
Delta R.T. 0.047 min

Lab File: VD078684.D

Acq: 15 Mar 2024 15:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	104.2	39.8	59.6#
67	0.0	83.5	125.3#
52	0.0	30.3	45.5#

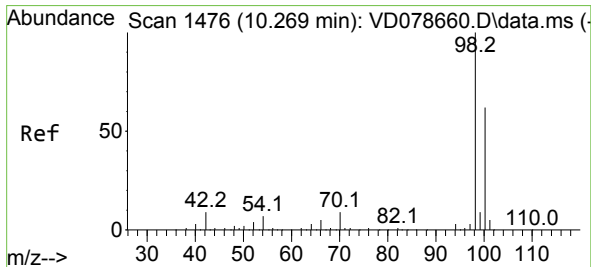
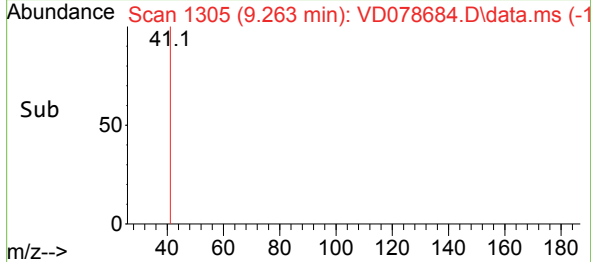
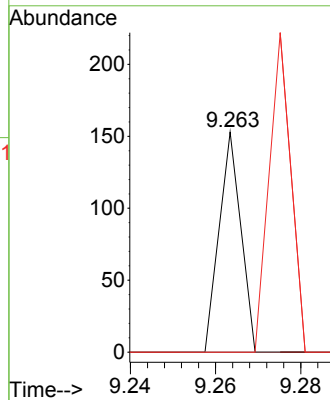
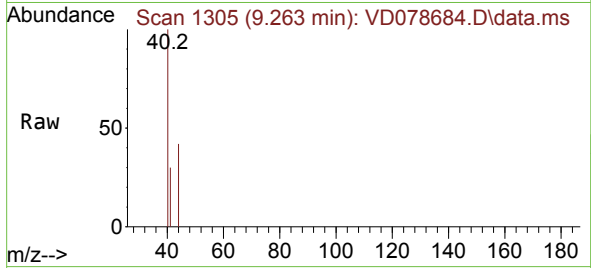




#48
Methyl methacrylate
Concen: 5.918 ug/l
RT: 9.263 min Scan# 11
Delta R.T. -0.118 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

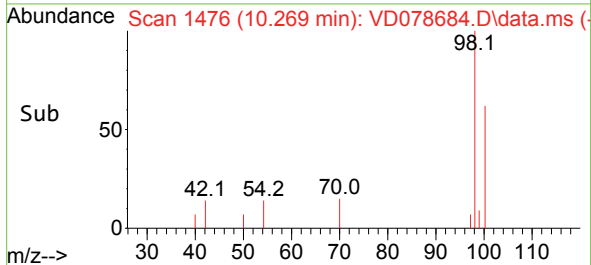
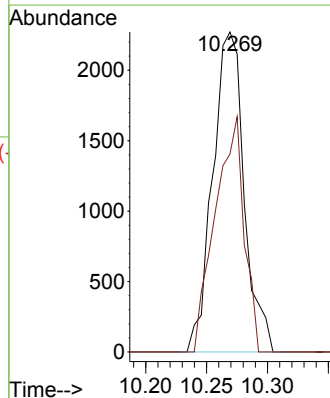
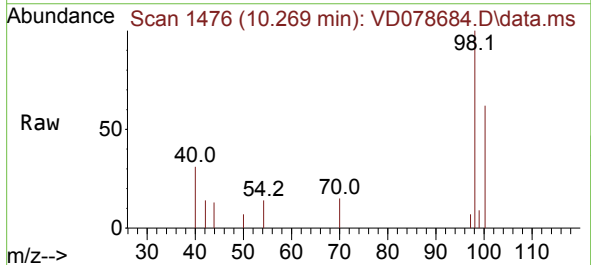
Instrument :
MSVOA_D
ClientSampleId :
SB-05-0-2.0RE

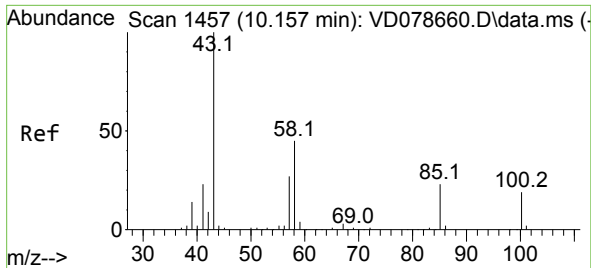
Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
69 0.0 88.3 132.5#
39 144.4 46.6 69.8#



#50
Toluene-d8
Concen: 50.956 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

Tgt Ion: 98 Resp: 4071
Ion Ratio Lower Upper
98 100
100 67.6 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 5.516 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD078684.D

Acq: 15 Mar 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :

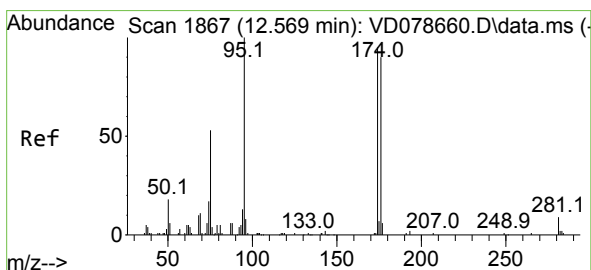
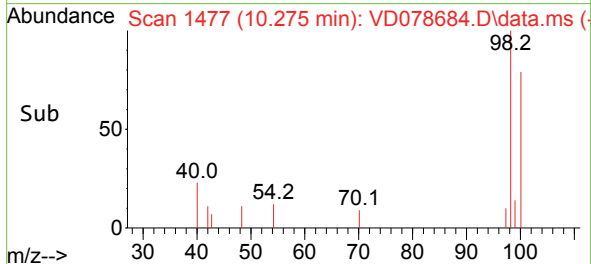
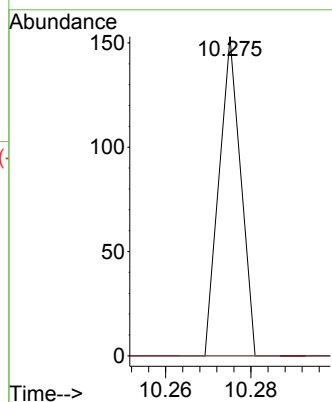
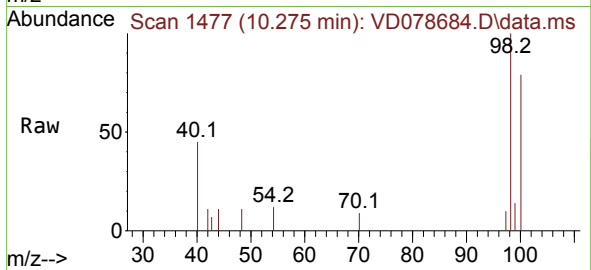
SB-05-0-2.0RE

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

58 0.0 36.4 54.6#



#62

4-Bromofluorobenzene

Concen: 54.850 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD078684.D

Acq: 15 Mar 2024 15:47

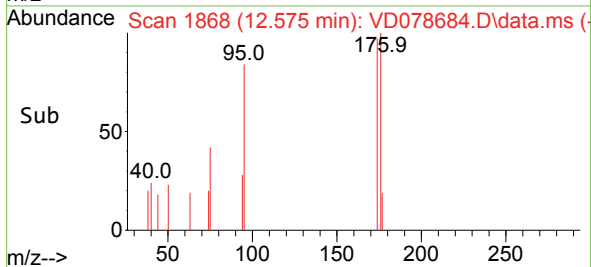
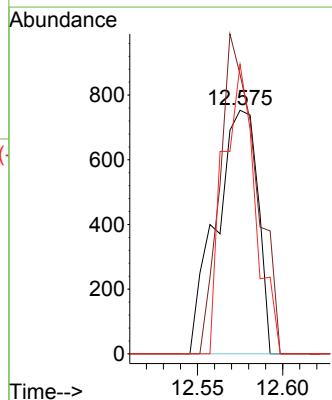
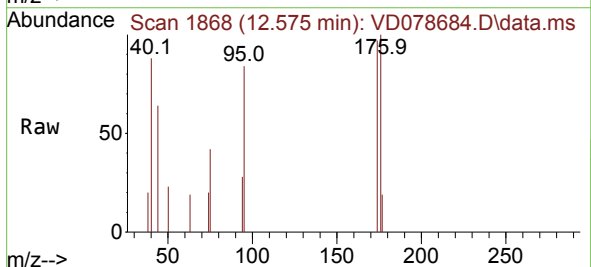
Tgt Ion: 95 Resp: 1282

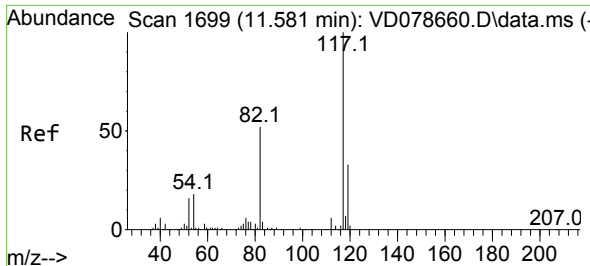
Ion Ratio Lower Upper

95 100

174 113.0 0.0 195.2

176 91.1 0.0 188.2

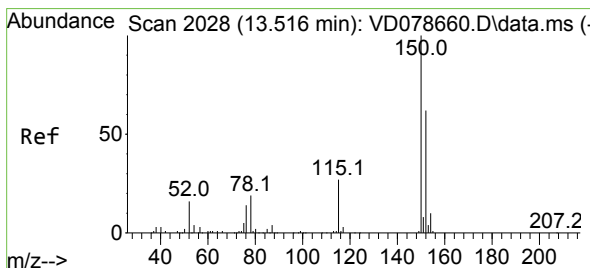
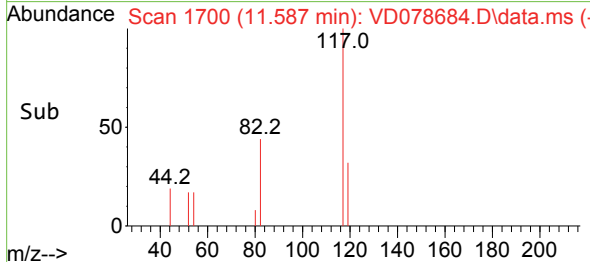
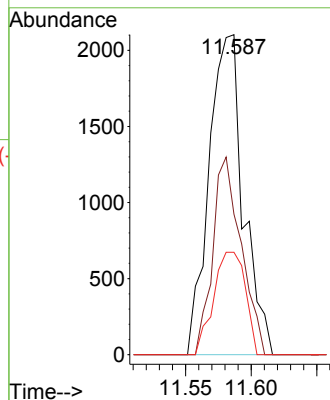
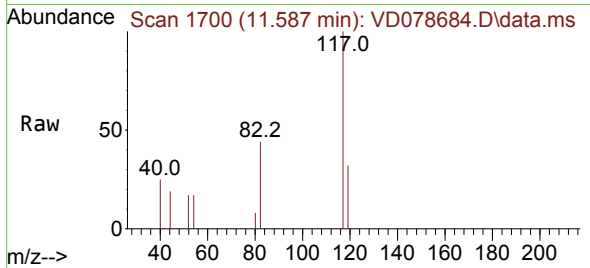




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

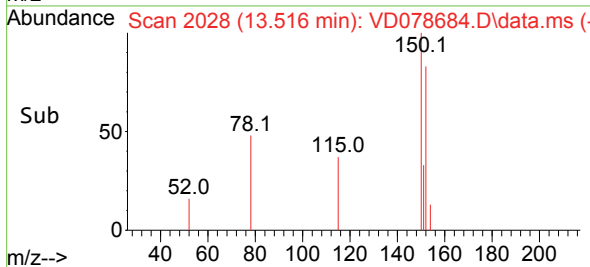
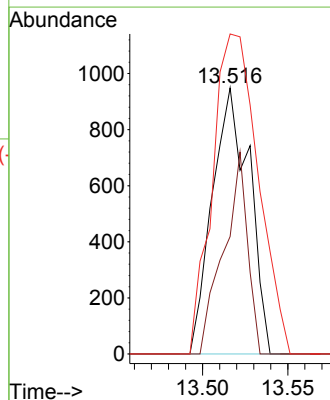
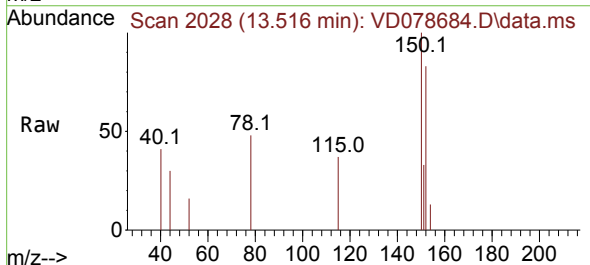
Instrument :
MSVOA_D
ClientSampleId :
SB-05-0-2.0RE

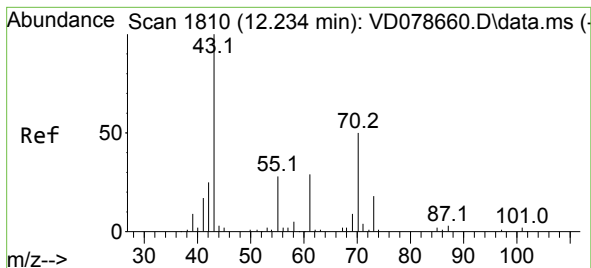
Tgt Ion	Ratio	Lower	Upper
117	100		
82	43.9	41.4	62.2
119	32.0	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.7	27.1	81.2
150	148.4	0.0	350.2





#74

N-amy1 acetate

Concen: 4.166 ug/l

RT: 12.157 min Scan# 1

Delta R.T. -0.076 min

Lab File: VD078684.D

Acq: 15 Mar 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :

SB-05-0-2.0RE

Tgt Ion: 43 Resp: 64

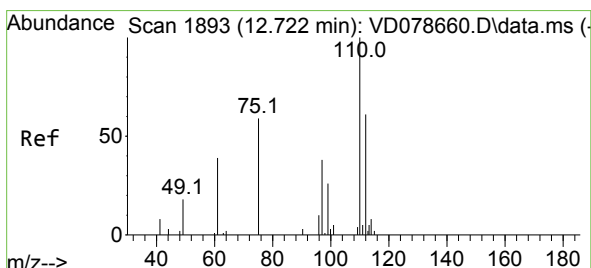
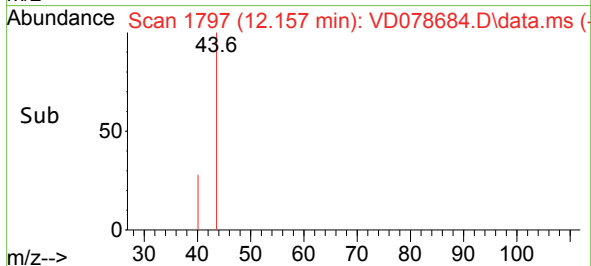
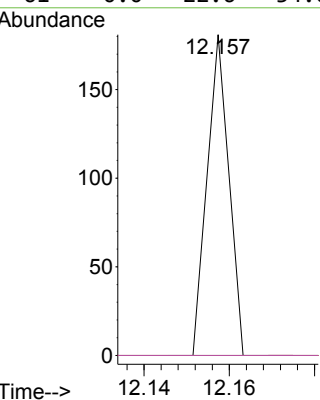
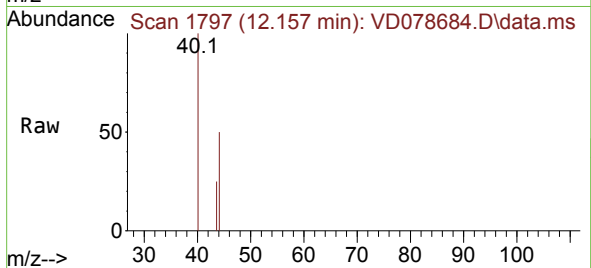
Ion Ratio Lower Upper

43 100

70 0.0 42.1 63.1#

55 0.0 22.6 33.8#

61 0.0 22.6 34.0#



#76

1,2,3-Trichloropropane

Concen: 60.969 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD078684.D

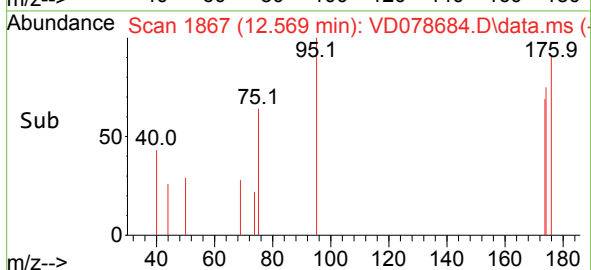
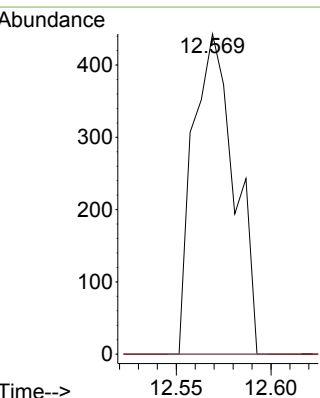
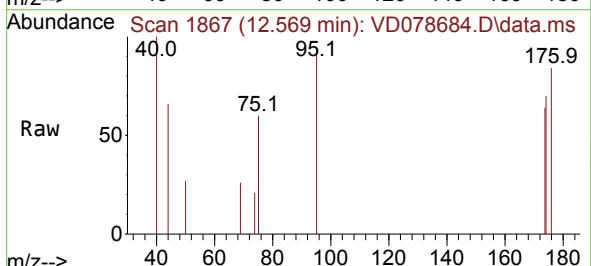
Acq: 15 Mar 2024 15:47

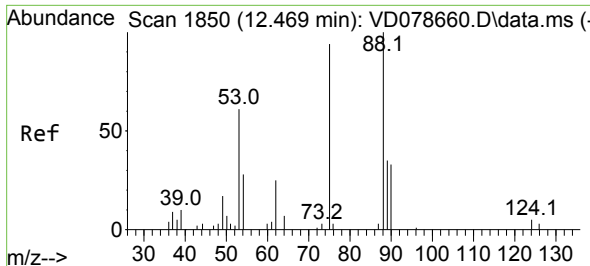
Tgt Ion: 75 Resp: 675

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

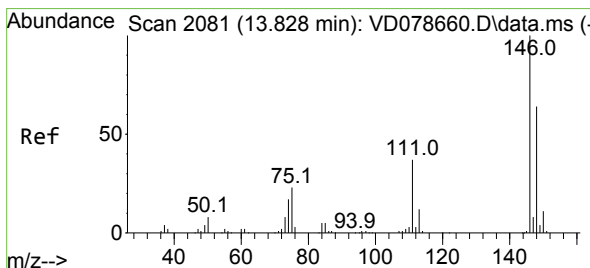
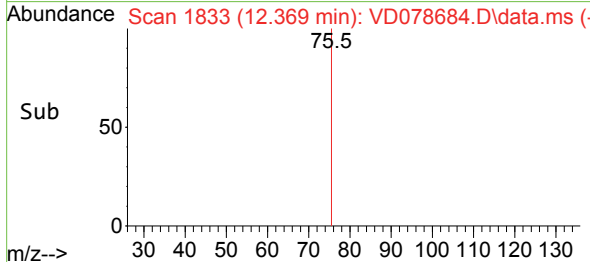
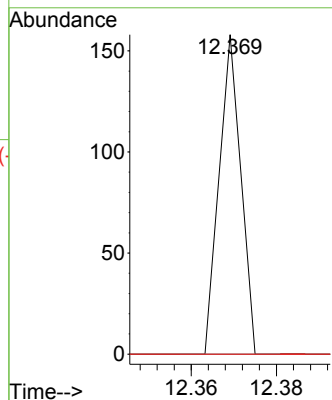
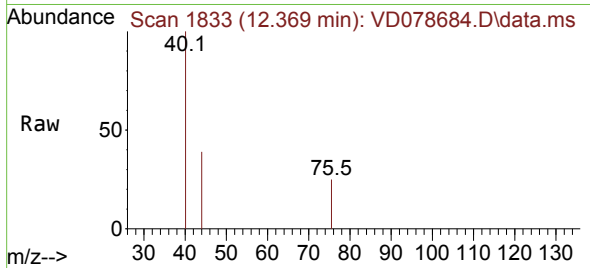




#81
trans-1,4-Dichloro-2-butene
Concen: 10.603 ug/l
RT: 12.369 min Scan# 1850
Delta R.T. -0.100 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

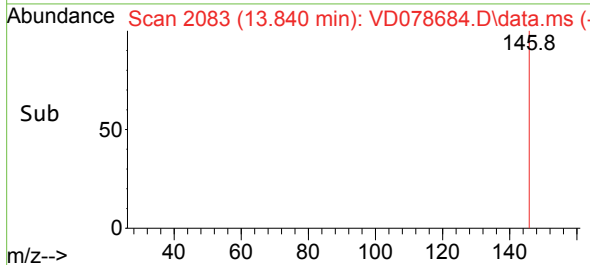
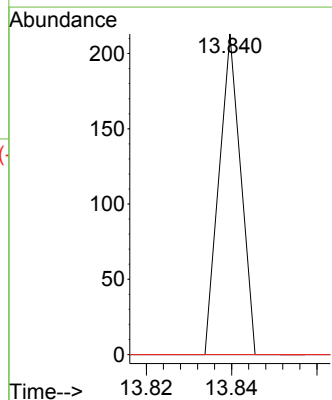
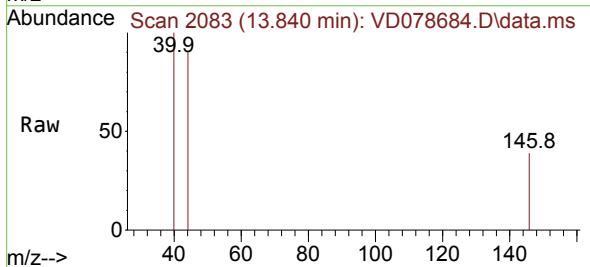
Instrument :
MSVOA_D
ClientSampleId :
SB-05-0-2.0RE

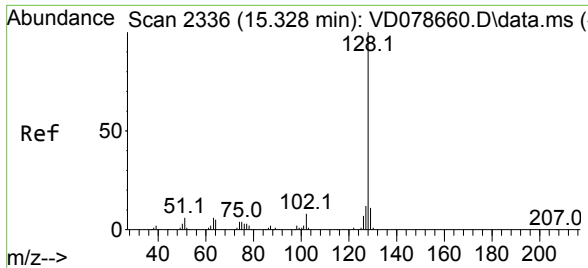
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#



#91
1,2-Dichlorobenzene
Concen: 1.759 ug/l
RT: 13.840 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VD078684.D
Acq: 15 Mar 2024 15:47

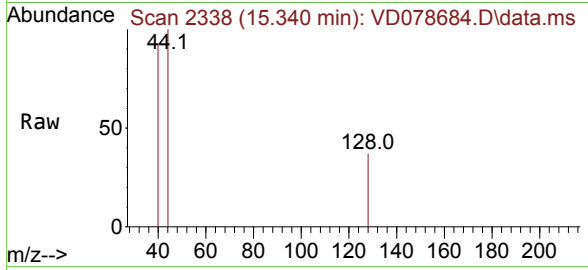
Tgt Ion: 146 Resp: 75
Ion Ratio Lower Upper
146 100
111 0.0 18.6 56.0#
148 0.0 32.1 96.5#





#95
 Naphthalene
 Concen: 1.756 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VD078684.D
 Acq: 15 Mar 2024 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-0-2.0RE



Tgt Ion:	128	Resp:	76
Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.3	13.9#
129	0.0	8.9	13.3#

