

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078433.D
 Acq On : 15 Feb 2024 14:00
 Operator : RP/MD
 Sample : P1473-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-021424

Quant Time: Feb 16 08:42:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

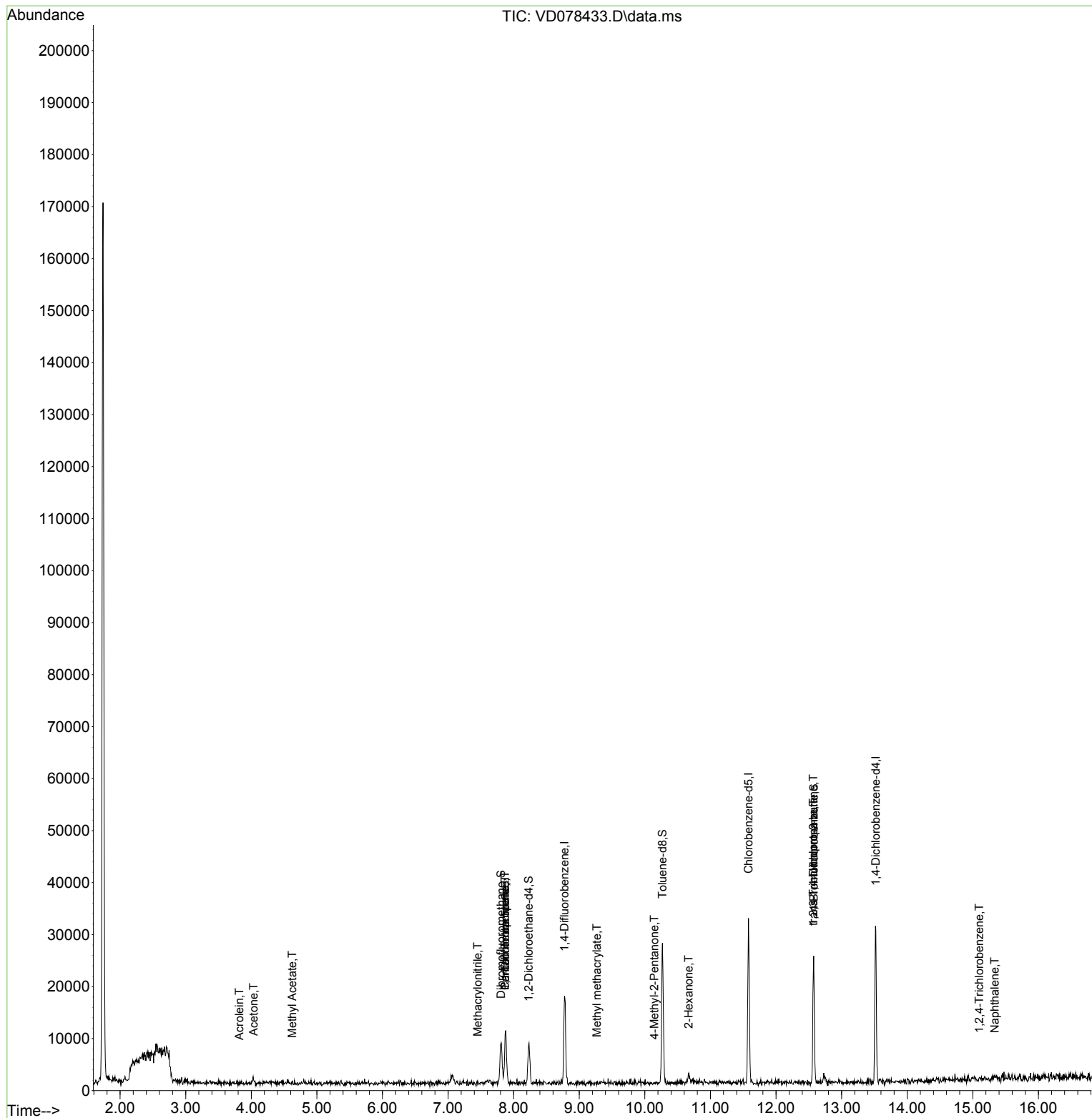
Internal Standards						
1) Pentafluorobenzene	7.869	168	8257	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.775	114	15983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17975	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	8560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6082	68.124	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.240%			
35) Dibromofluoromethane	7.810	113	6453	63.559	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.120%			
50) Toluene-d8	10.269	98	19560	48.162	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.575	95	7478	63.272	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.540%			
Target Compounds						Qvalue
13) Acrolein	3.816	56	112	13.579	ug/l #	15
16) Acetone	4.034	43	1077	42.028	ug/l #	32
18) Methyl Acetate	4.622	43	54	4.727	ug/l #	42
20) Methylene Chloride	4.793	84	149	Below Cal	#	62
23) Vinyl Acetate	6.187	43	61	Below Cal	#	63
36) 1,1-Dichloropropene	7.869	75	512	3.246	ug/l #	39
38) Carbon Tetrachloride	7.869	117	908	5.813	ug/l #	11
41) Methacrylonitrile	7.451	41	61	2.120	ug/l #	1
48) Methyl methacrylate	9.269	41	64	1.178	ug/l #	1
51) 4-Methyl-2-Pentanone	10.145	43	59	1.086	ug/l #	28
59) 2-Hexanone	10.669	43	66	1.616	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	4065	55.936	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	4065	116.125	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.098	180	162	1.139	ug/l #	11
95) Naphthalene	15.333	128	618	2.342	ug/l #	69

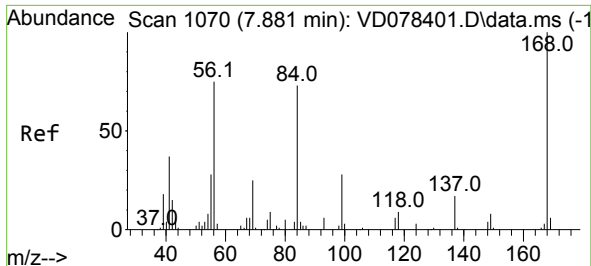
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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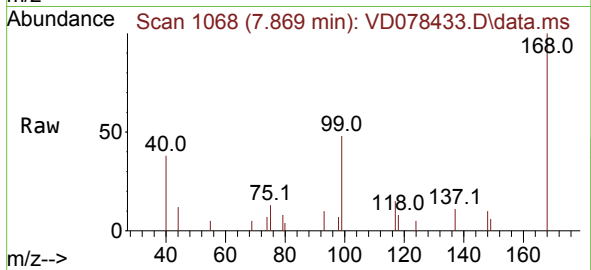
Quant Time: Feb 16 08:42:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration



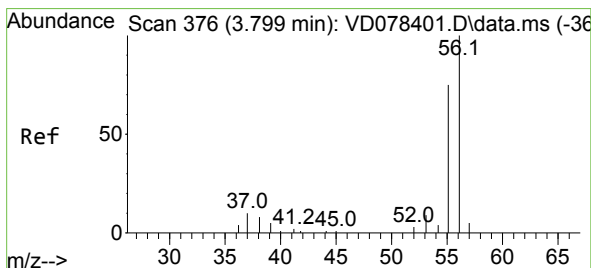
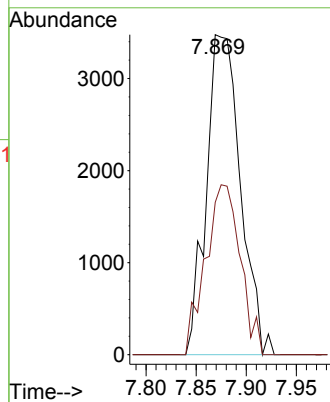
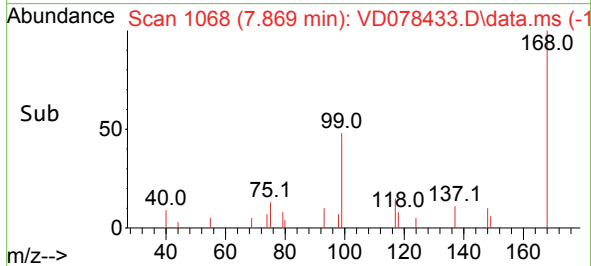


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

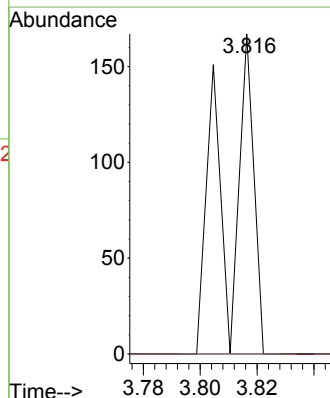
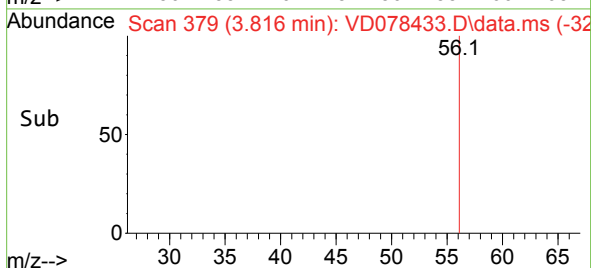
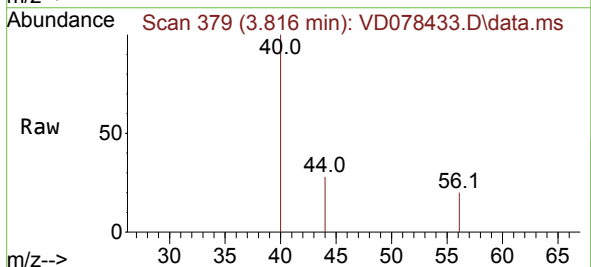


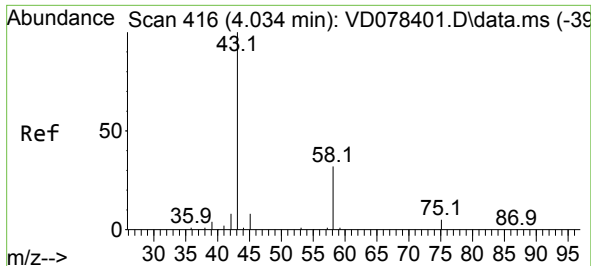
Tgt Ion:168 Resp: 8257
Ion Ratio Lower Upper
168 100
99 47.6 36.7 55.1



#13
Acrolein
Concen: 13.579 ug/l
RT: 3.816 min Scan# 379
Delta R.T. 0.017 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

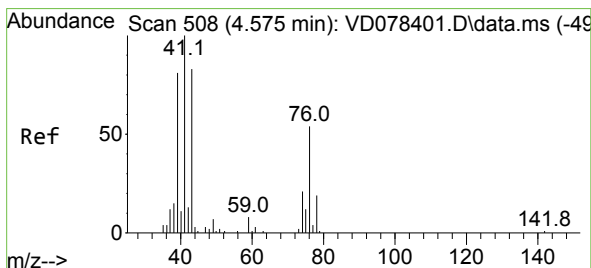
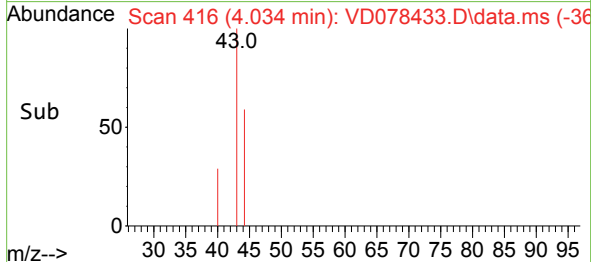
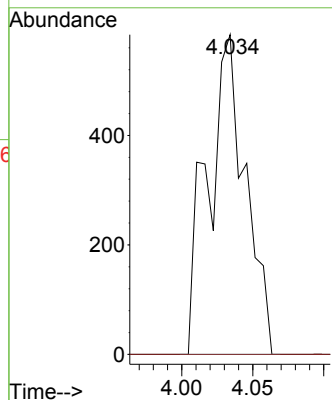
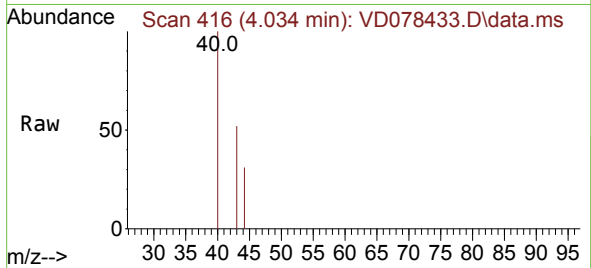




#16
Acetone
Concen: 42.028 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.000 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

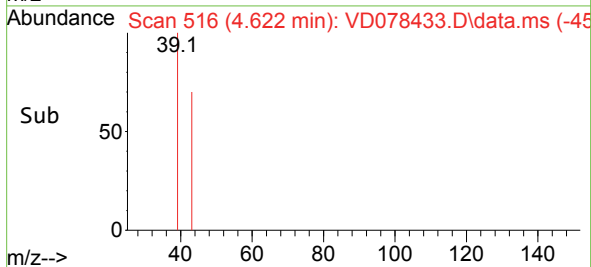
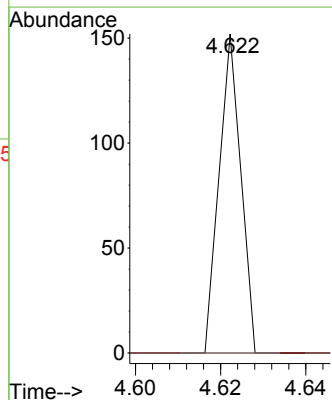
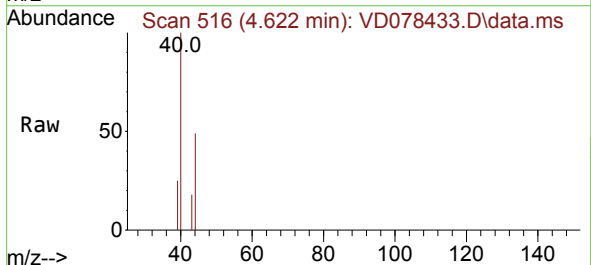
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

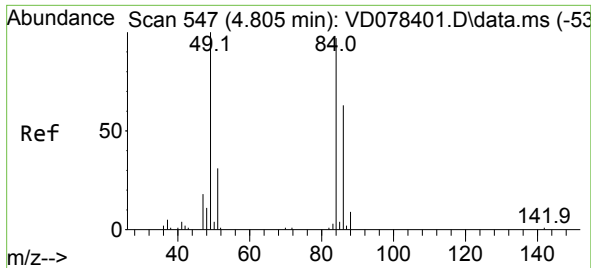
Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 4.727 ug/l
RT: 4.622 min Scan# 516
Delta R.T. 0.047 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

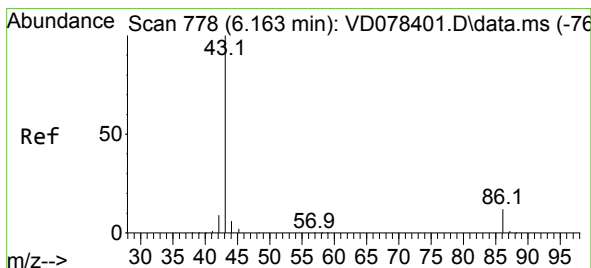
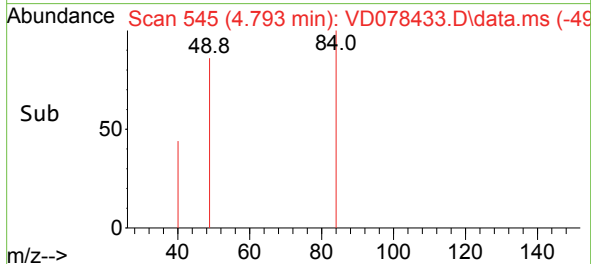
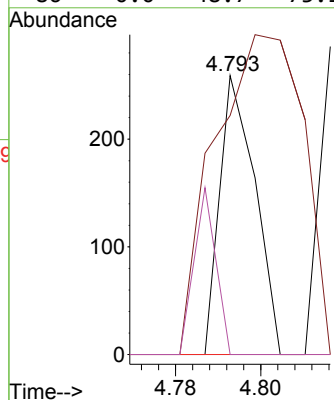
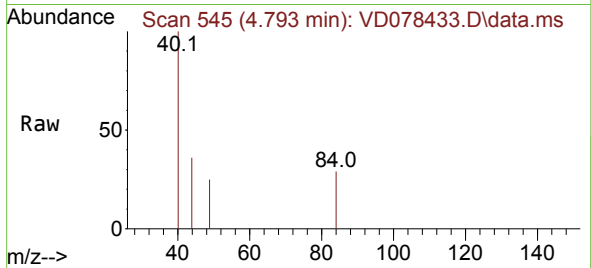




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

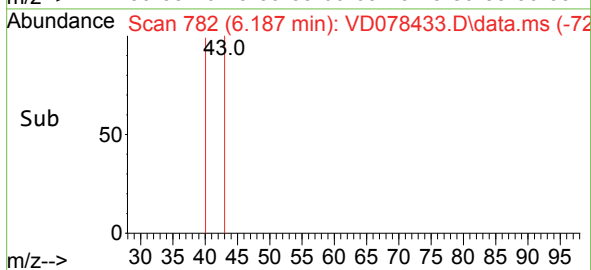
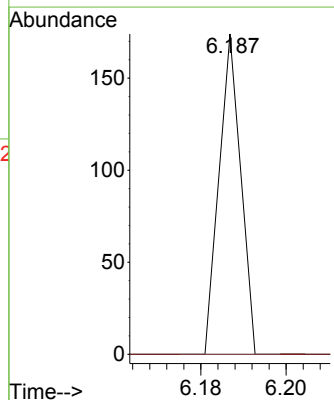
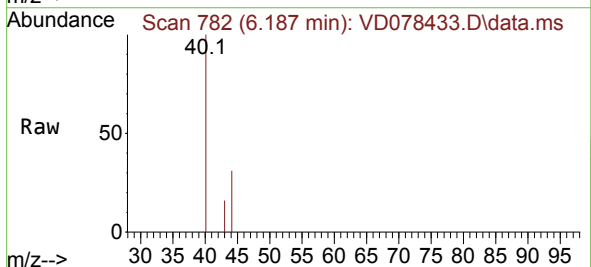
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

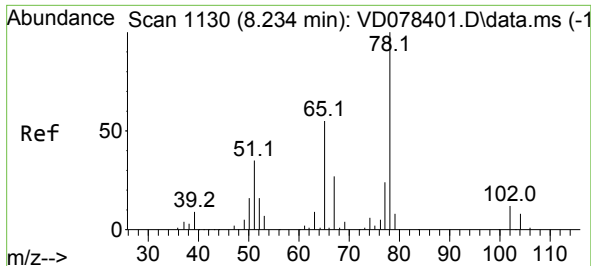
Tgt Ion:	84	Resp:	149
Ion	Ratio	Lower	Upper
84	100		
49	85.7	71.4	107.2
51	0.0	24.5	36.7#
86	0.0	48.7	73.1#



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.187 min Scan# 782
Delta R.T. 0.024 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.5	18.7#





#33

1,2-Dichloroethane-d4

Concen: 68.124 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078433.D

Acq: 15 Feb 2024 14:00

Instrument :

MSVOA_D

ClientSampleId :

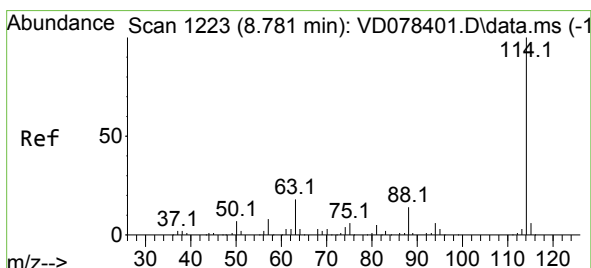
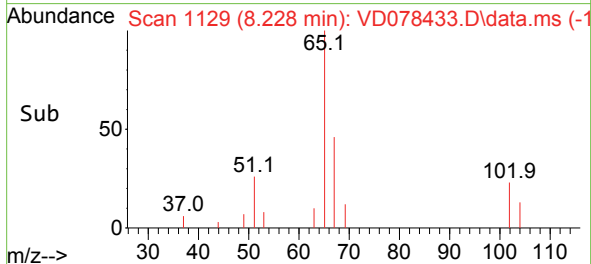
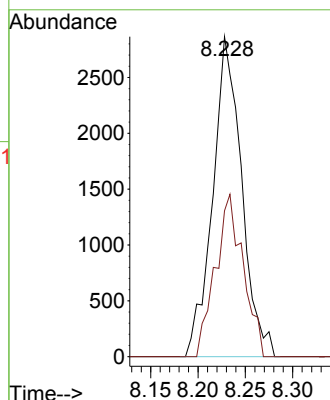
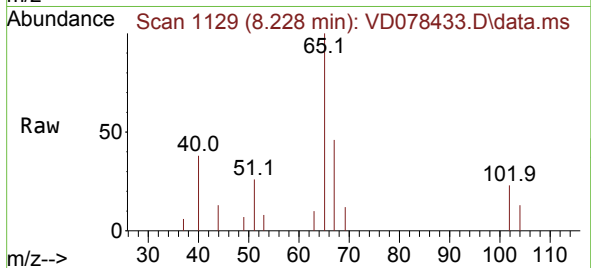
SU-03-021424

Tgt Ion: 65 Resp: 6082

Ion Ratio Lower Upper

65 100

67 48.7 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: VD078433.D

Acq: 15 Feb 2024 14:00

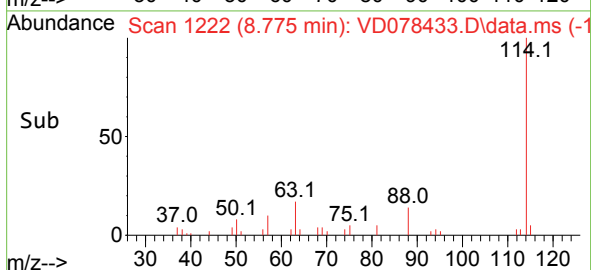
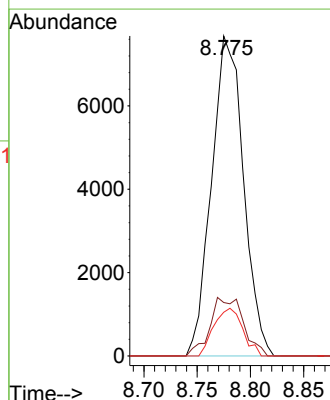
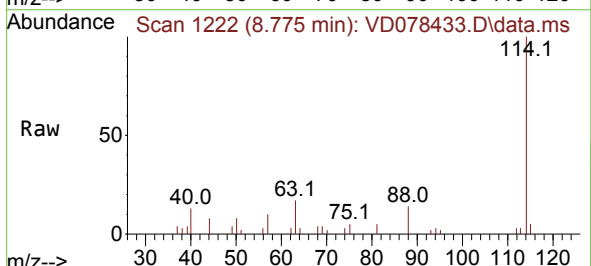
Tgt Ion: 114 Resp: 15983

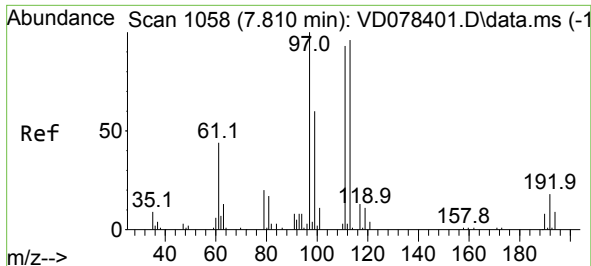
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 63.559 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078433.D

Acq: 15 Feb 2024 14:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-021424

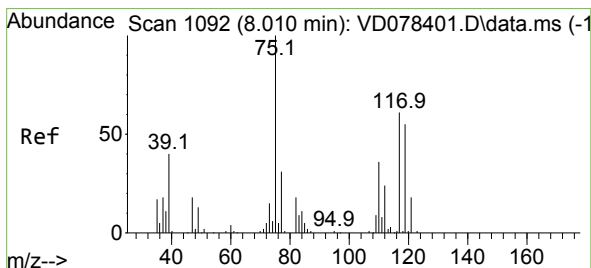
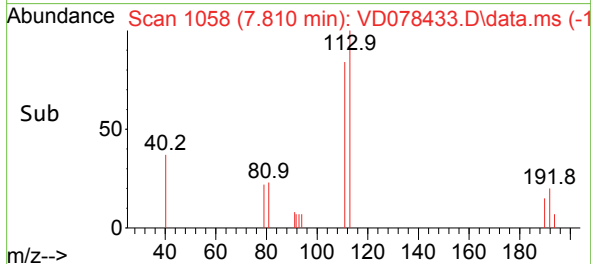
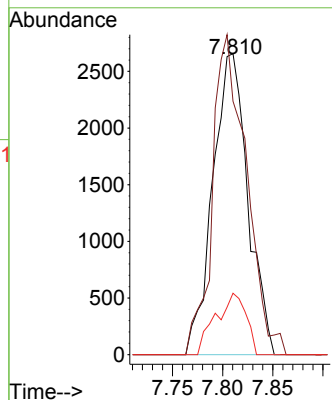
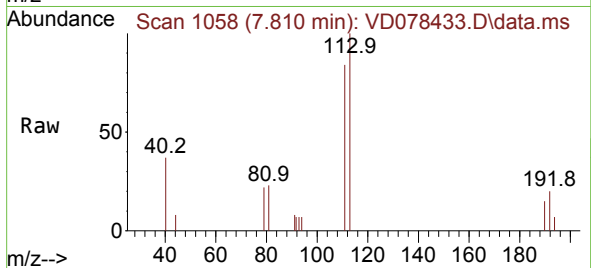
Tgt Ion:113 Resp: 6453

Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 17.7 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.246 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078433.D

Acq: 15 Feb 2024 14:00

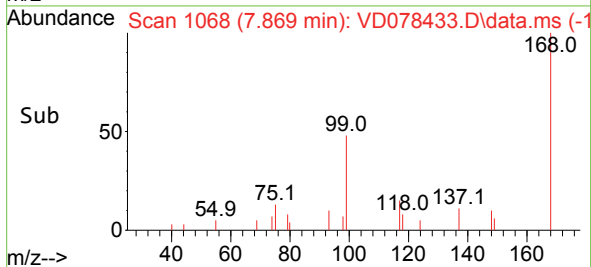
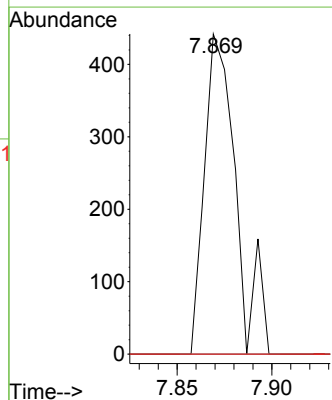
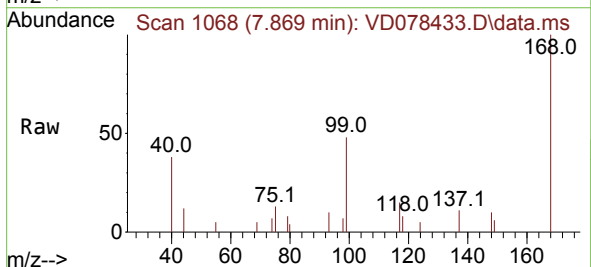
Tgt Ion: 75 Resp: 512

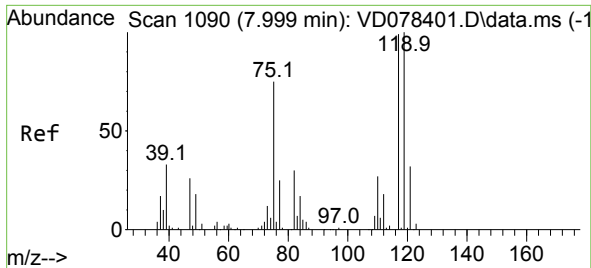
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

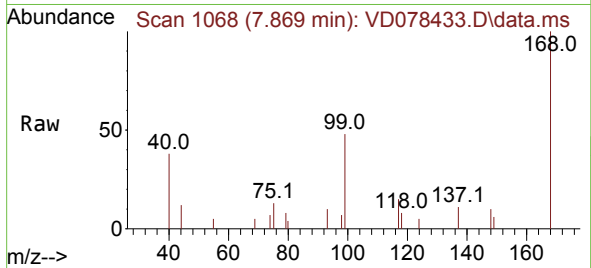
77 0.0 24.7 37.1#



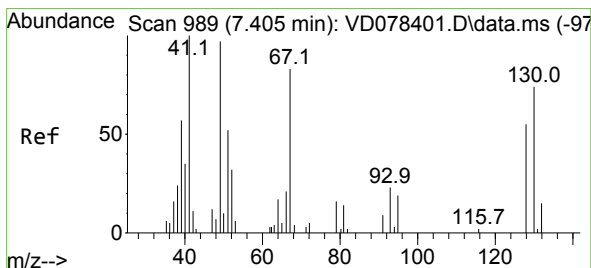
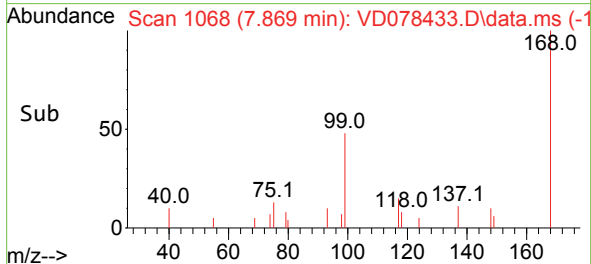
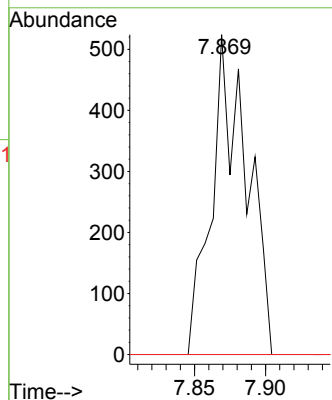


#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.130 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

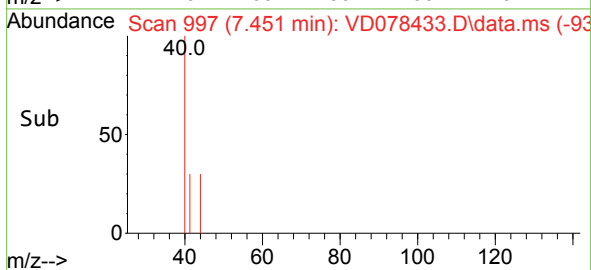
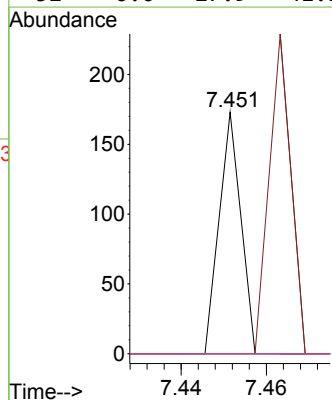
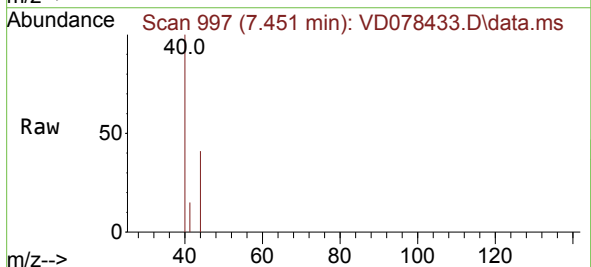


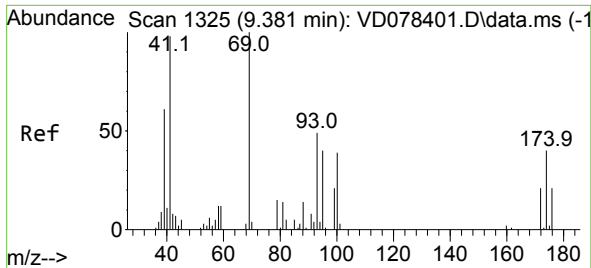
Tgt Ion:117 Resp: 908
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.120 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.047 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 132.8 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

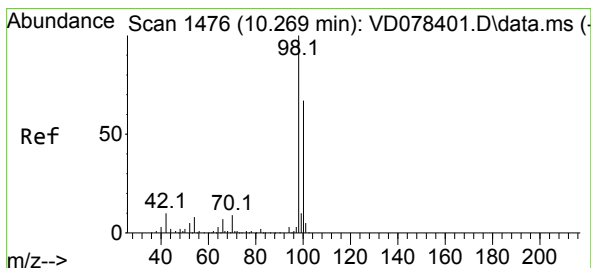
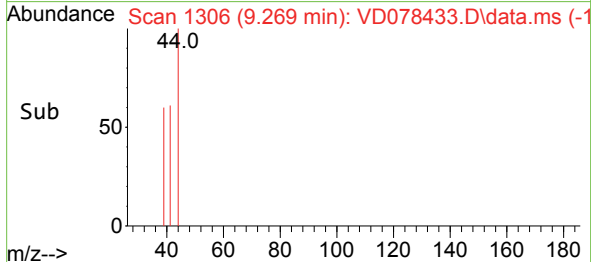
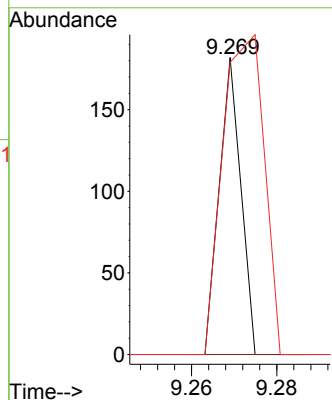
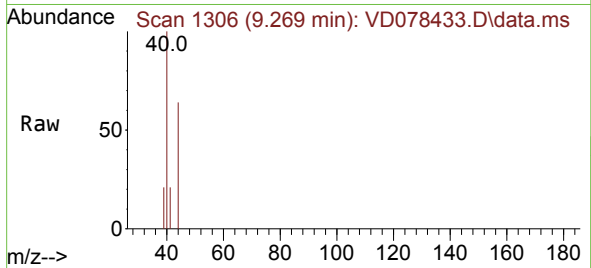




#48
Methyl methacrylate
Concen: 1.178 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.112 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

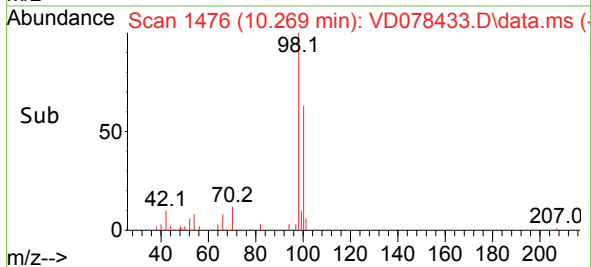
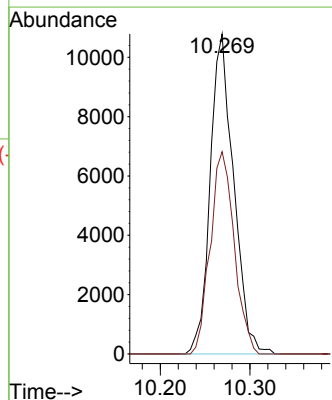
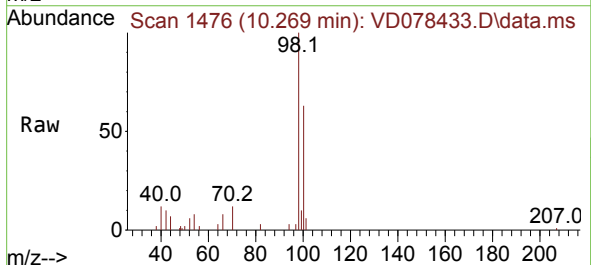
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

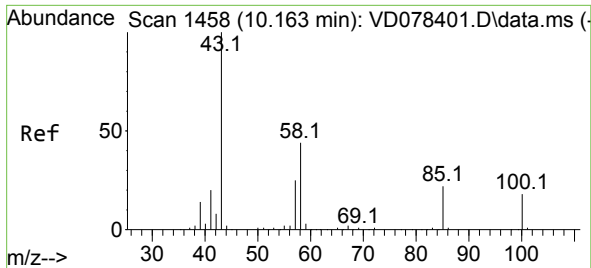
Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 206.3 41.4 62.2#



#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 98 Resp: 19560
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5

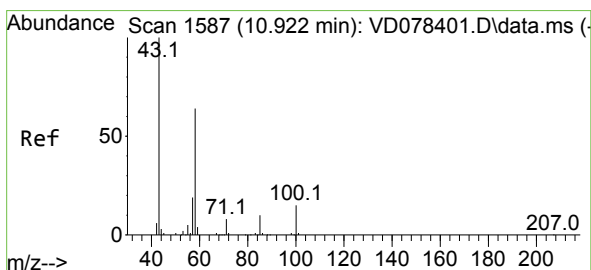
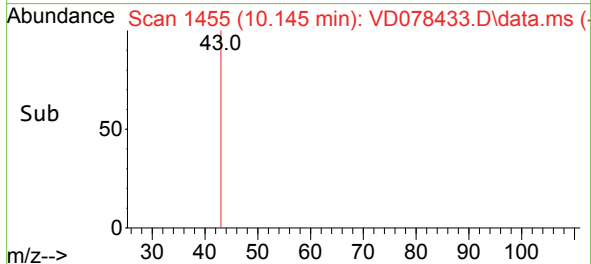
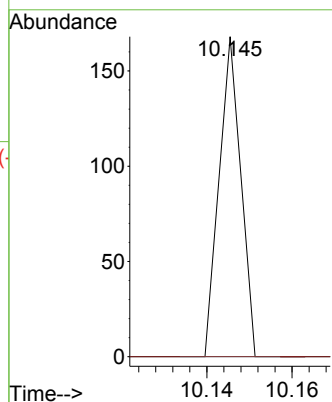
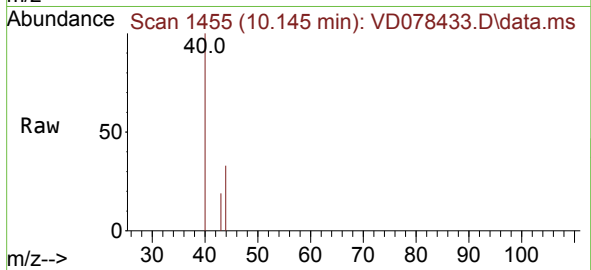




#51
4-Methyl-2-Pentanone
Concen: 1.086 ug/l
RT: 10.145 min Scan# 1455
Delta R.T. -0.018 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

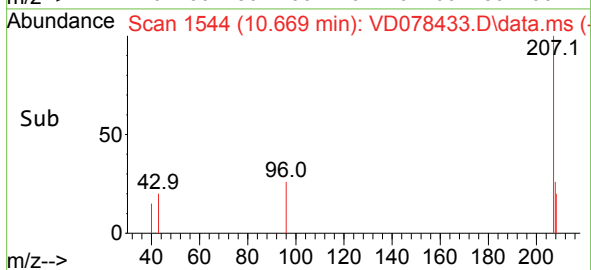
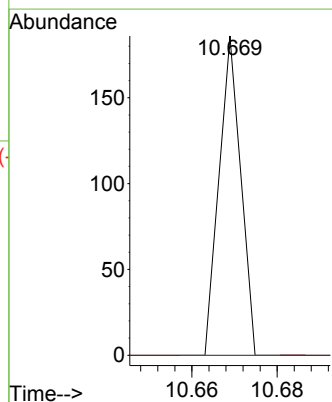
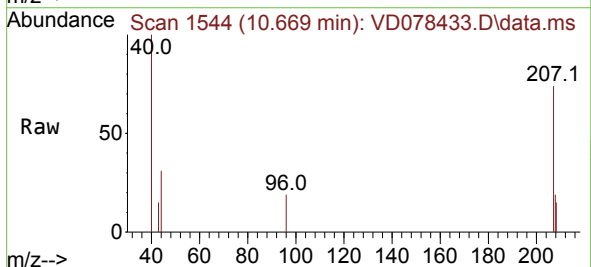
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

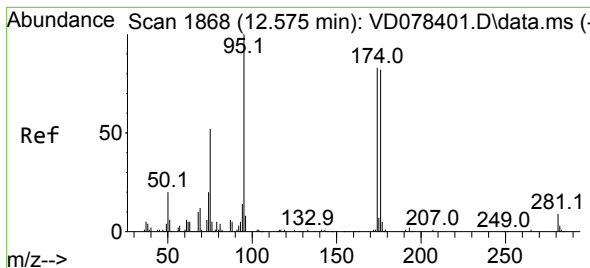
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#59
2-Hexanone
Concen: 1.616 ug/l
RT: 10.669 min Scan# 1544
Delta R.T. -0.253 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

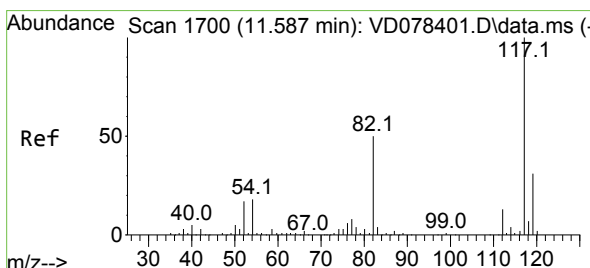
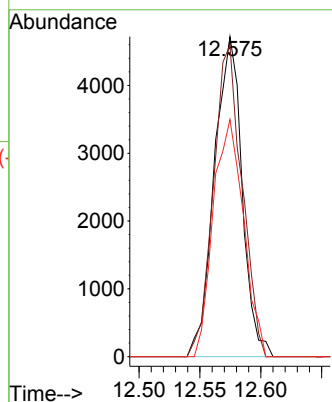
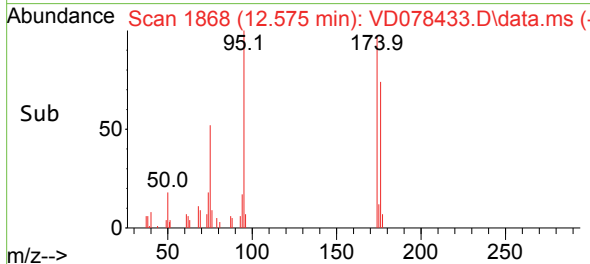
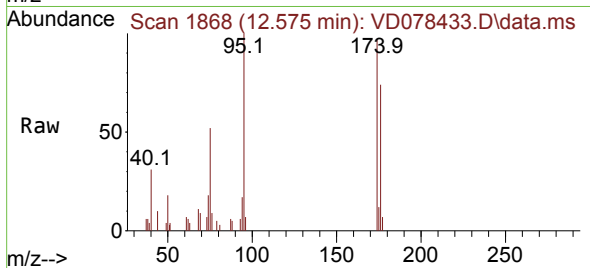




#62
4-Bromofluorobenzene
Concen: 63.272 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

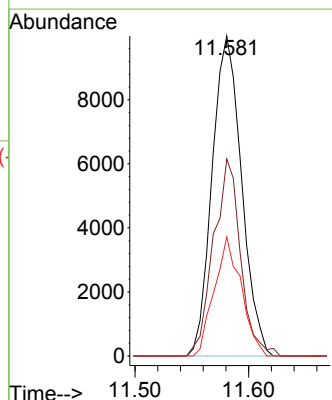
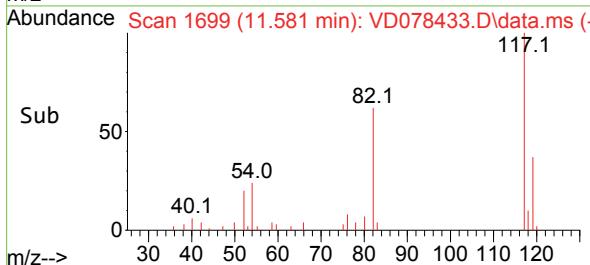
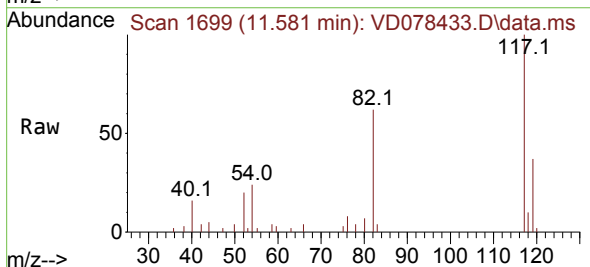
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

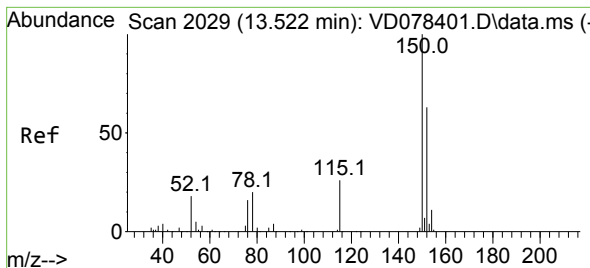
Tgt Ion:	95	Resp:	7478
Ion	Ratio	Lower	Upper
95	100		
174	100.1	0.0	201.8
176	80.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion:	117	Resp:	17975
Ion	Ratio	Lower	Upper
117	100		
82	61.5	38.3	57.5#
119	37.2	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD078433.D

Acq: 15 Feb 2024 14:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-021424

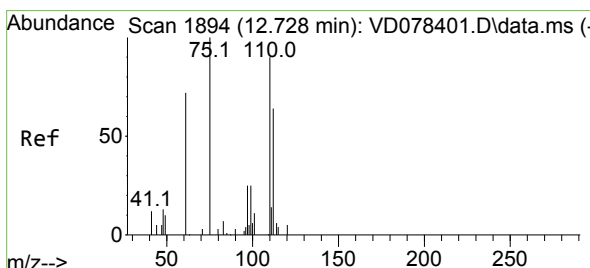
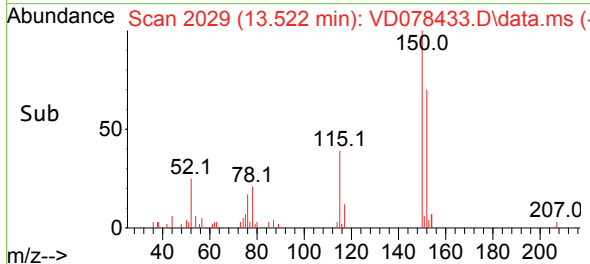
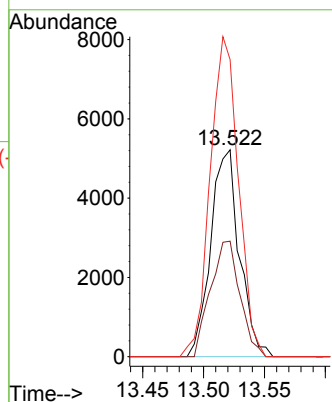
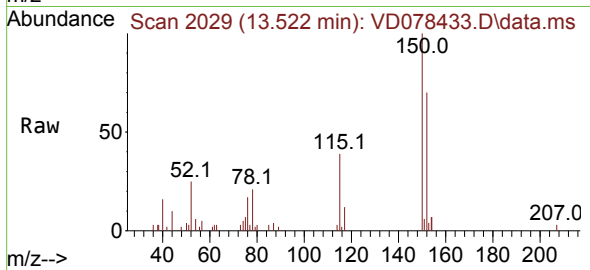
Tgt Ion:152 Resp: 8560

Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

150 152.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 55.936 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.159 min

Lab File: VD078433.D

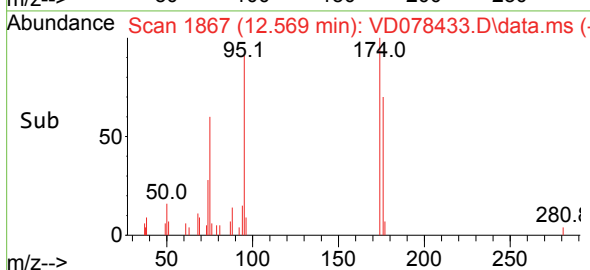
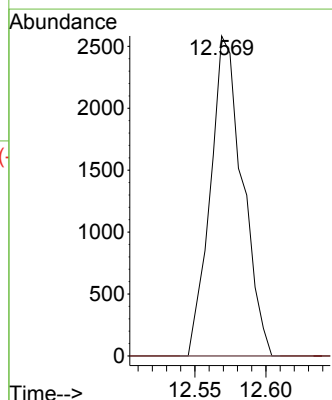
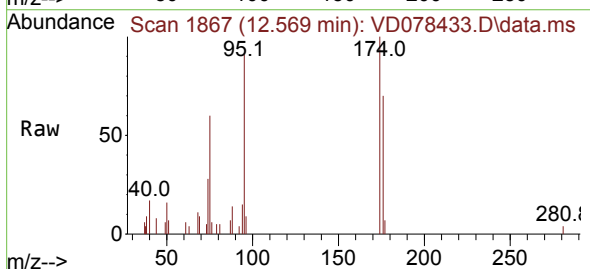
Acq: 15 Feb 2024 14:00

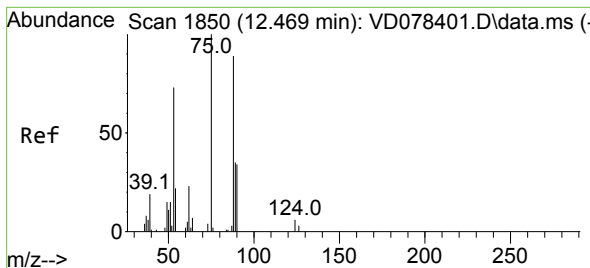
Tgt Ion: 75 Resp: 4065

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

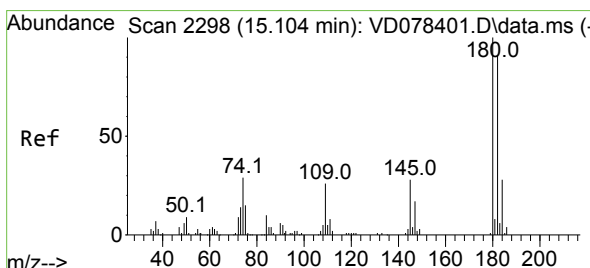
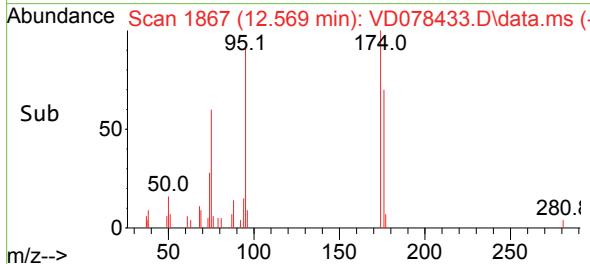
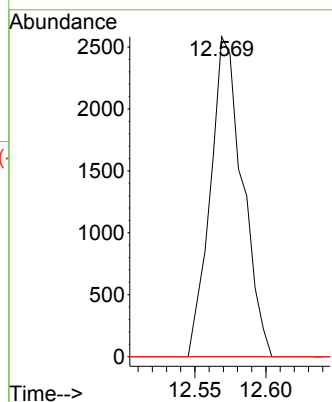
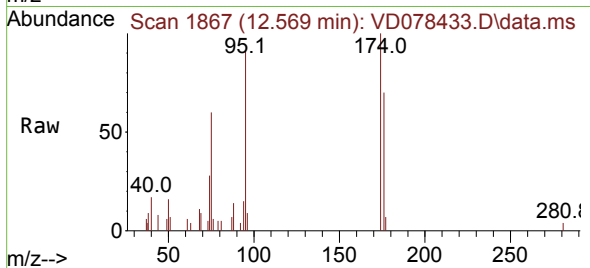




#81
trans-1,4-Dichloro-2-butene
Concen: 116.125 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

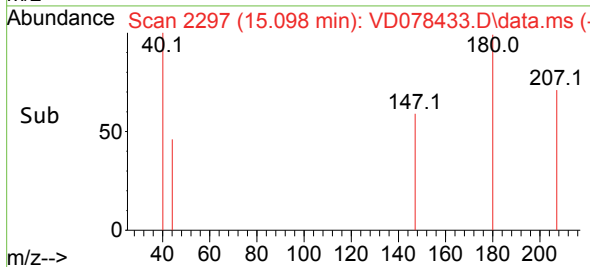
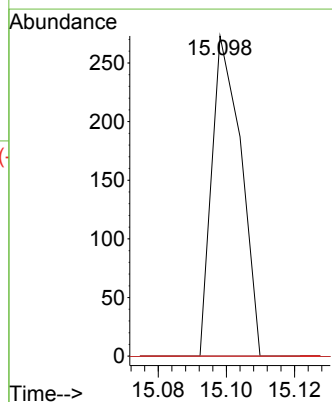
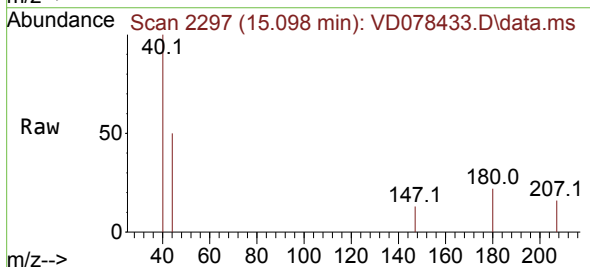
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424

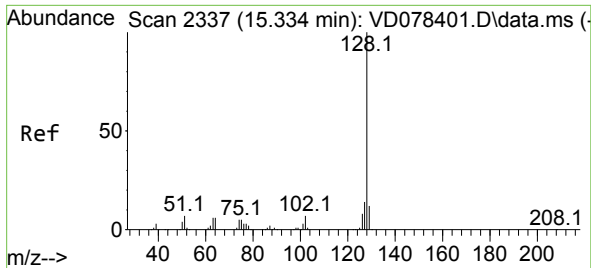
Tgt Ion: 75	Resp:	4065
Ion Ratio	Lower	Upper
75	100	
53	0.0	63.0
89	0.0	37.9



#93
1,2,4-Trichlorobenzene
Concen: 1.139 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD078433.D
Acq: 15 Feb 2024 14:00

Tgt Ion: 180	Resp:	162
Ion Ratio	Lower	Upper
180	100	
182	0.0	48.5
145	0.0	14.2





#95

Naphthalene

Concen: 2.342 ug/l

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD078433.D

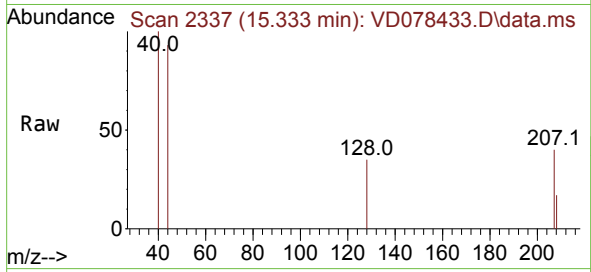
Acq: 15 Feb 2024 14:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-021424



Tgt Ion:128 Resp: 618

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

