

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070924\
 Data File : VD079369.D
 Acq On : 09 Jul 2024 18:50
 Operator : RP/MD
 Sample : P3141-03
 Misc : 5.62G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-140-SB02

Quant Time: Jul 10 03:07:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

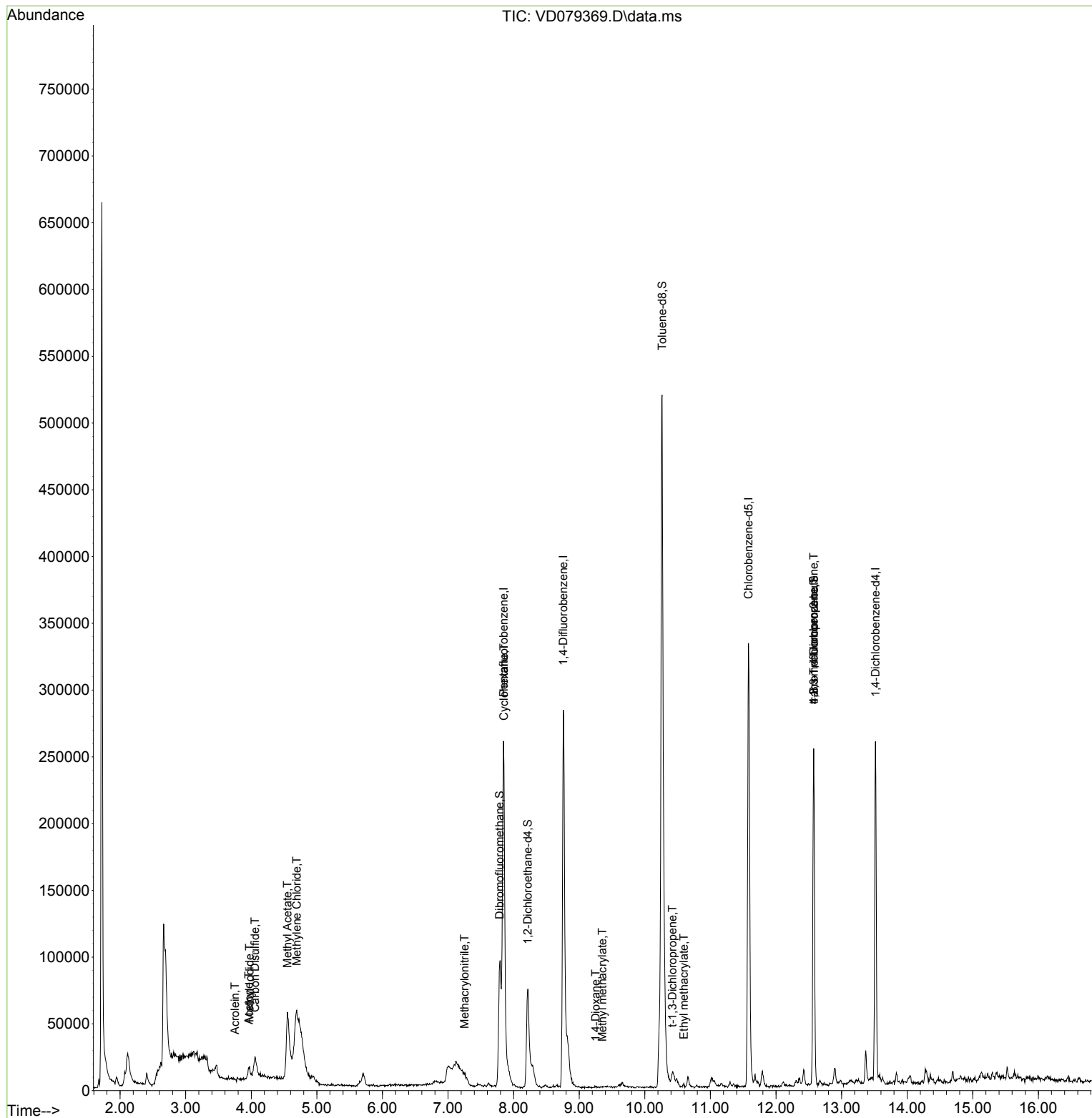
Internal Standards						
1) Pentafluorobenzene	7.846	168	192533	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.758	114	346463	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.581	117	246291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	71975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.216	65	96418	42.496	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.000%		
35) Dibromofluoromethane	7.787	113	95002	38.868	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.740%		
50) Toluene-d8	10.263	98	435970	46.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.540%		
62) 4-Bromofluorobenzene	12.575	95	83475	28.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	57.000%		
Target Compounds						Qvalue
5) Bromomethane	2.676	94	253	Below Cal	#	44
10) Methyl Iodide	3.975	142	7470	3.008	ug/l	95
13) Acrolein	3.752	56	192	1.069	ug/l #	15
16) Acetone	3.964	43	494	1.145	ug/l #	37
17) Carbon Disulfide	4.058	76	33814	4.787	ug/l	96
18) Methyl Acetate	4.552	43	123469	91.443	ug/l	92
20) Methylene Chloride	4.693	84	89619	21.366	ug/l	96
31) Cyclohexane	7.852	56	3600	1.049	ug/l #	34
41) Methacrylonitrile	7.252	41	56	3.140	ug/l #	12
48) Methyl methacrylate	9.352	41	268	2.691	ug/l #	13
49) 1,4-Dioxane	9.252	88	54	3.351	ug/l #	1
53) t-1,3-Dichloropropene	10.422	75	10176	3.229	ug/l #	43
56) Ethyl methacrylate	10.593	69	65	3.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	39597	57.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	39597	107.959	ug/l #	19

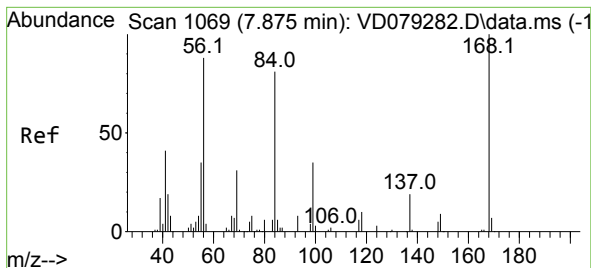
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 03:07:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 17:06:59 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.846 min Scan# 1064

Delta R.T. -0.029 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

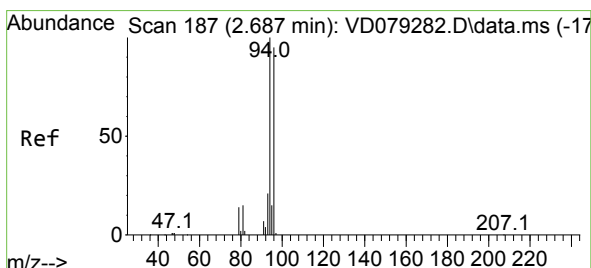
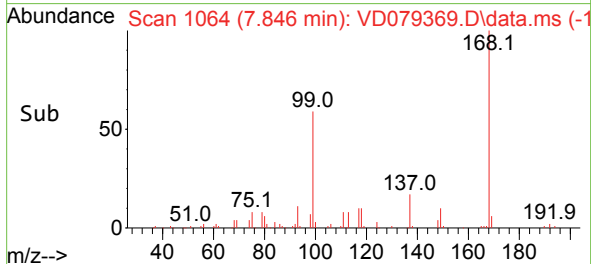
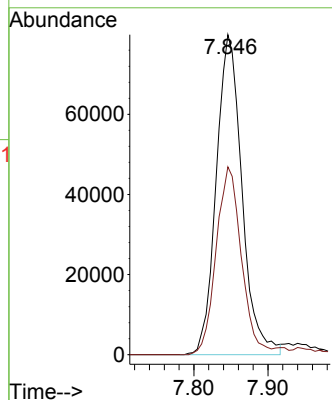
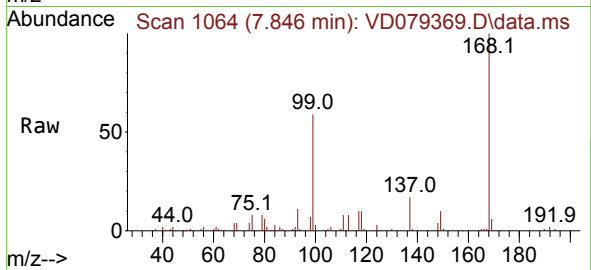
B-140-SB02

Tgt Ion:168 Resp: 192533

Ion Ratio Lower Upper

168 100

99 58.7 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.676 min Scan# 185

Delta R.T. 0.018 min

Lab File: VD079369.D

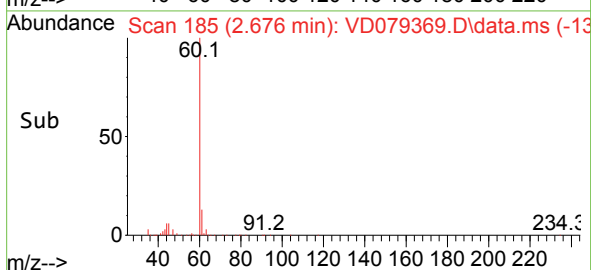
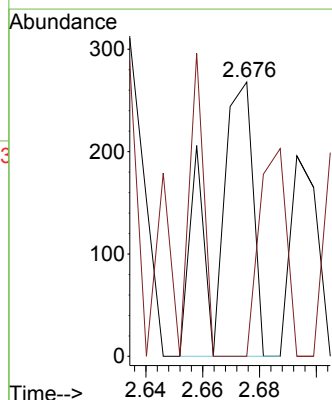
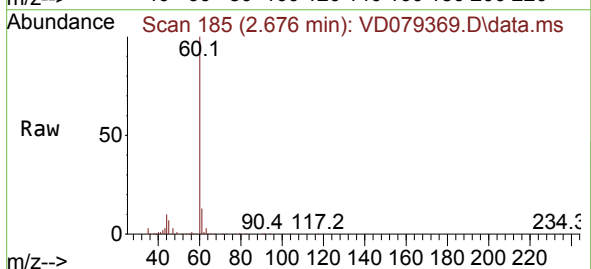
Acq: 09 Jul 2024 18:50

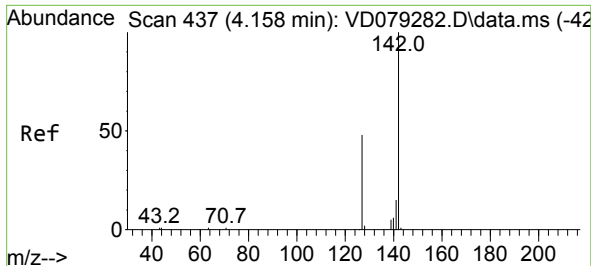
Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

94 100

96 41.1 76.9 115.3#

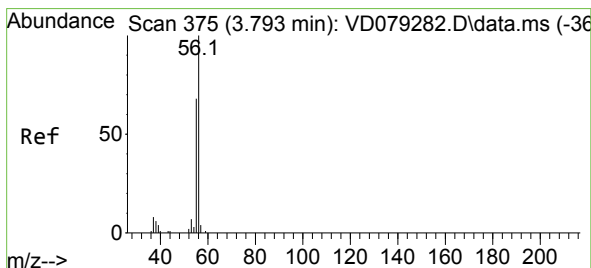
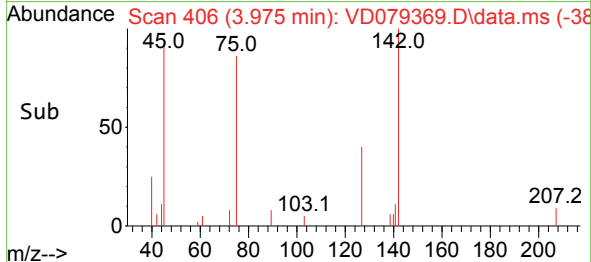
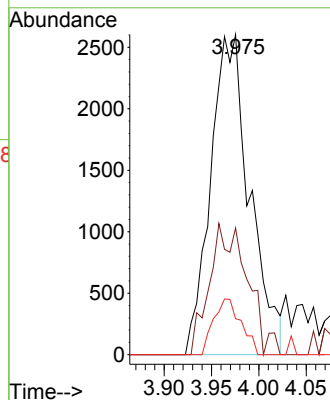
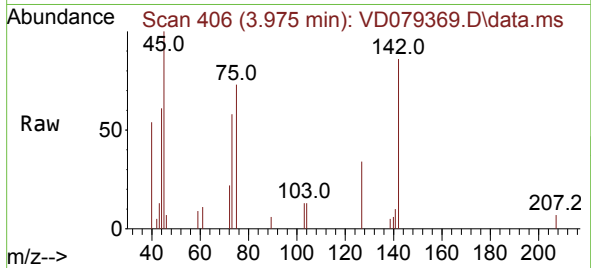




#10
Methyl Iodide
Concen: 3.008 ug/l
RT: 3.975 min Scan# 406
Delta R.T. -0.183 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

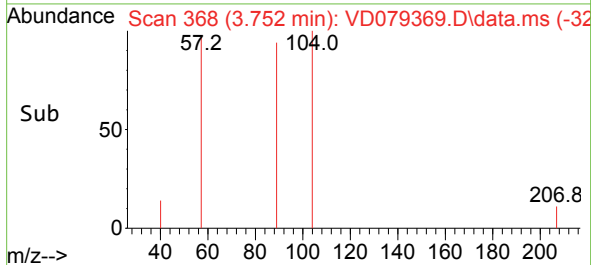
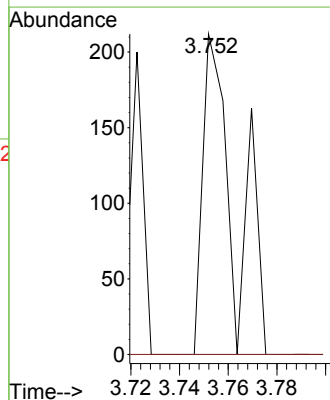
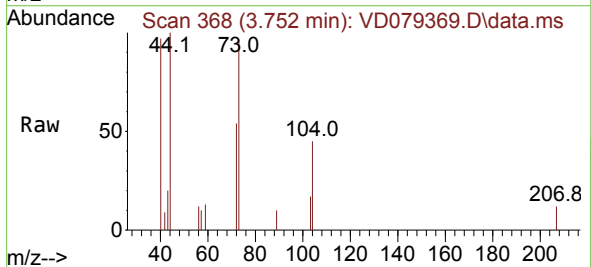
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB02

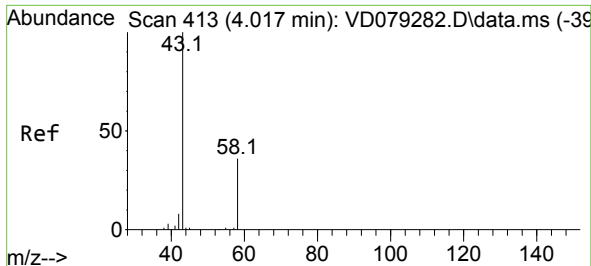
Tgt Ion:142 Resp: 7470
Ion Ratio Lower Upper
142 100
127 39.7 34.2 51.4
141 12.3 11.7 17.5



#13
Acrolein
Concen: 1.069 ug/l
RT: 3.752 min Scan# 368
Delta R.T. -0.041 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#





#16

Acetone

Concen: 1.145 ug/l

RT: 3.964 min Scan# 404

Delta R.T. -0.053 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

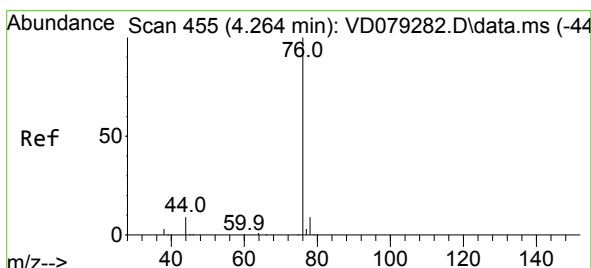
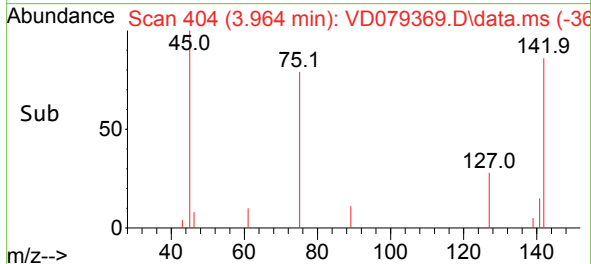
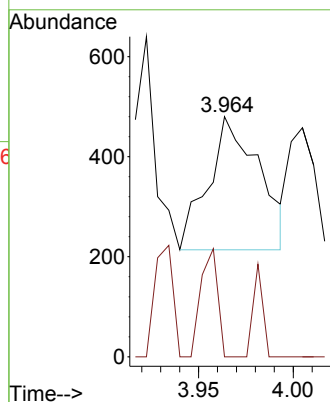
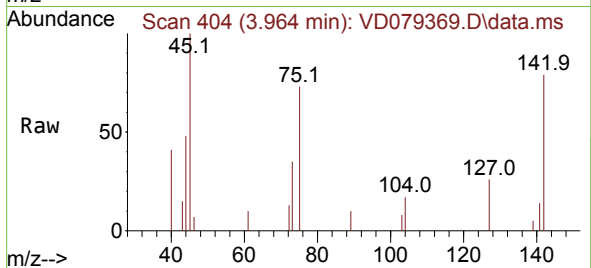
B-140-SB02

Tgt Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#17

Carbon Disulfide

Concen: 4.787 ug/l

RT: 4.058 min Scan# 420

Delta R.T. -0.206 min

Lab File: VD079369.D

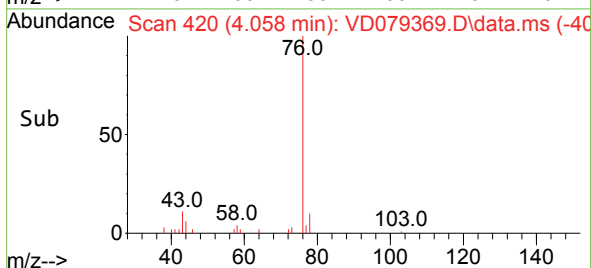
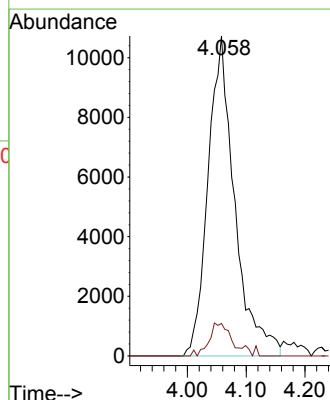
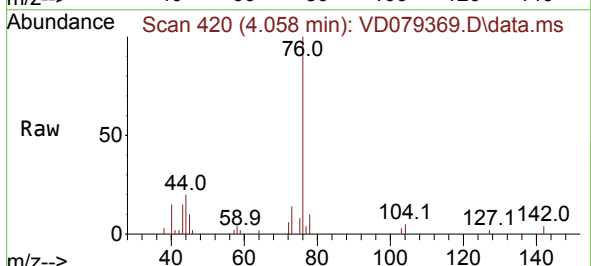
Acq: 09 Jul 2024 18:50

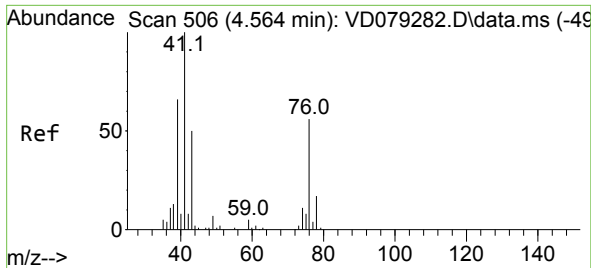
Tgt Ion: 76 Resp: 33814

Ion Ratio Lower Upper

76 100

78 10.1 6.9 10.3

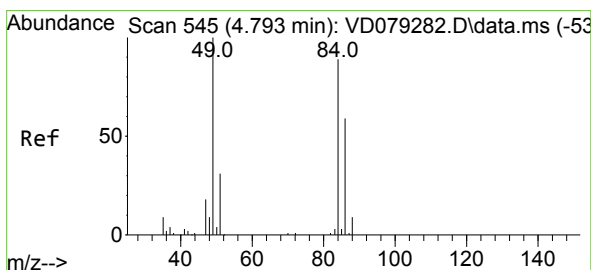
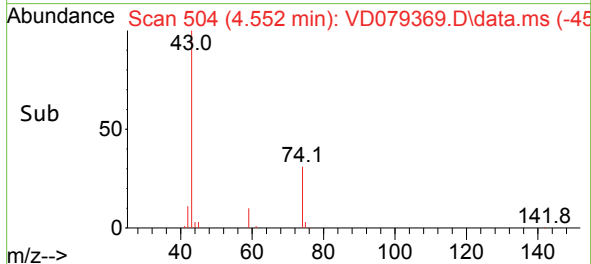
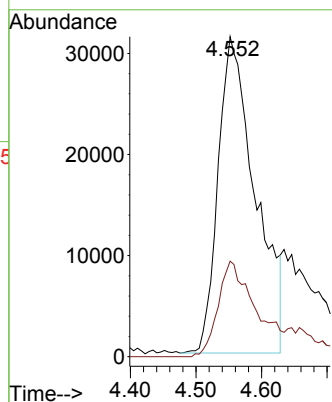
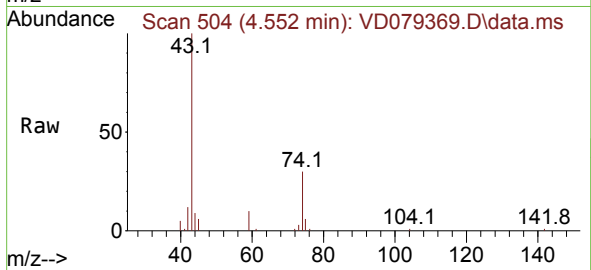




#18
Methyl Acetate
Concen: 91.443 ug/l
RT: 4.552 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

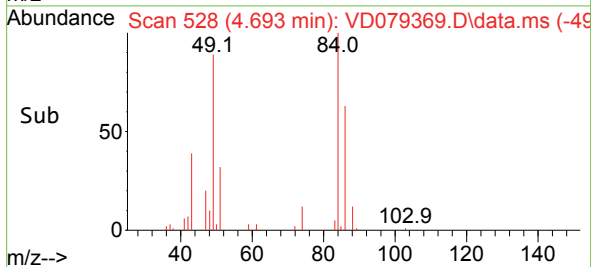
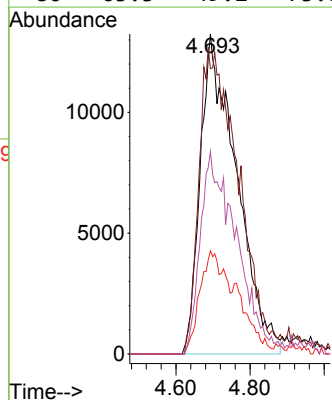
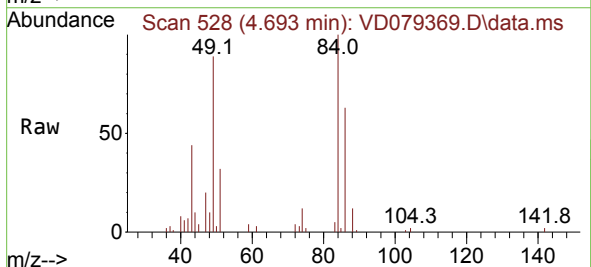
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB02

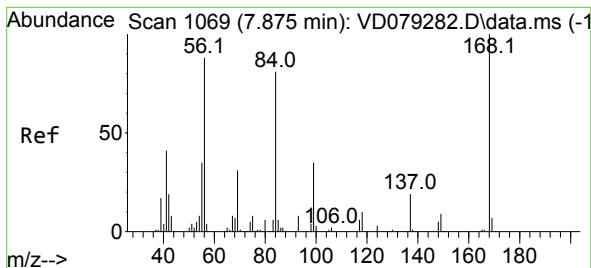
Tgt Ion: 43 Resp: 123469
Ion Ratio Lower Upper
43 100
74 30.7 28.1 42.1



#20
Methylene Chloride
Concen: 21.366 ug/l
RT: 4.693 min Scan# 528
Delta R.T. -0.100 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

Tgt Ion: 84 Resp: 89619
Ion Ratio Lower Upper
84 100
49 89.2 75.6 113.4
51 32.2 24.2 36.2
86 63.3 49.2 73.8





#31

Cyclohexane

Concen: 1.049 ug/l

RT: 7.852 min Scan# 1065

Delta R.T. -0.024 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB02

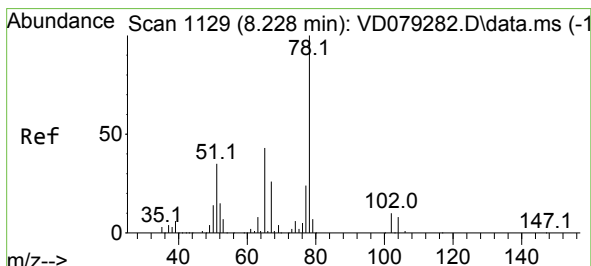
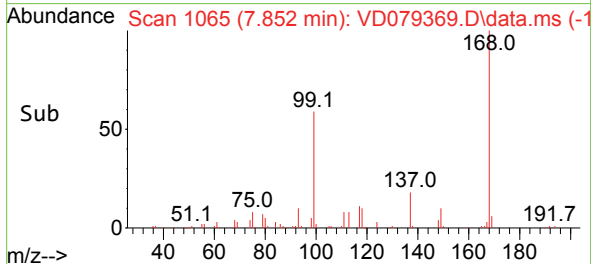
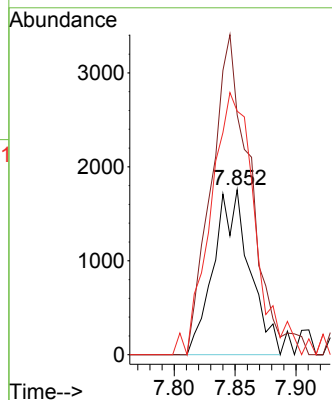
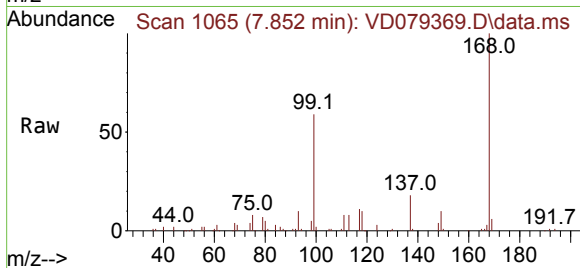
Tgt Ion: 56 Resp: 3600

Ion Ratio Lower Upper

56 100

69 145.4 28.0 42.0#

84 137.3 87.4 131.0#



#33

1,2-Dichloroethane-d4

Concen: 42.496 ug/l

RT: 8.216 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VD079369.D

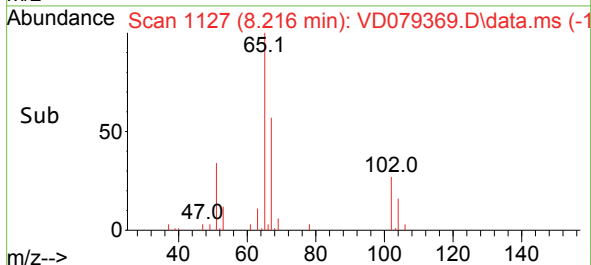
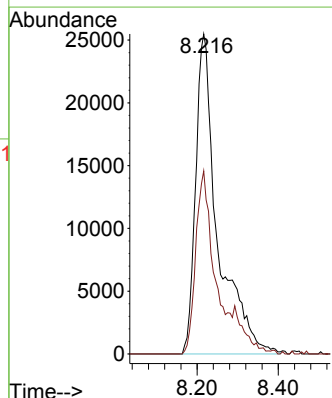
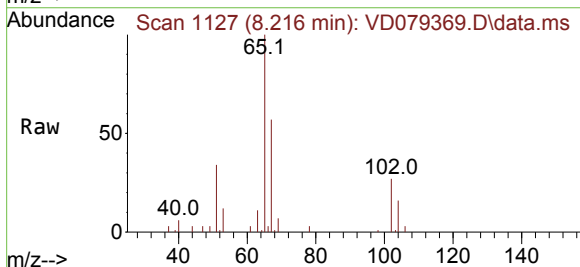
Acq: 09 Jul 2024 18:50

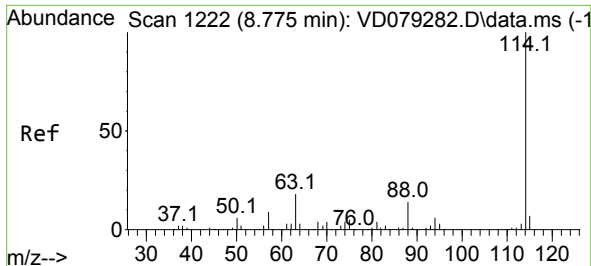
Tgt Ion: 65 Resp: 96418

Ion Ratio Lower Upper

65 100

67 47.2 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.758 min Scan# 11

Delta R.T. -0.018 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB02

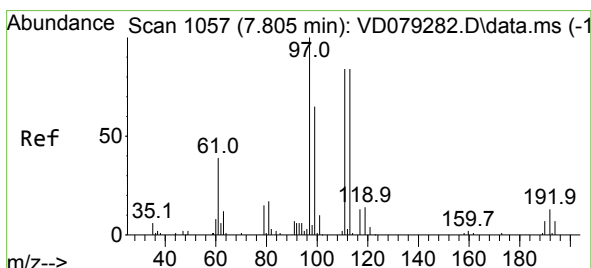
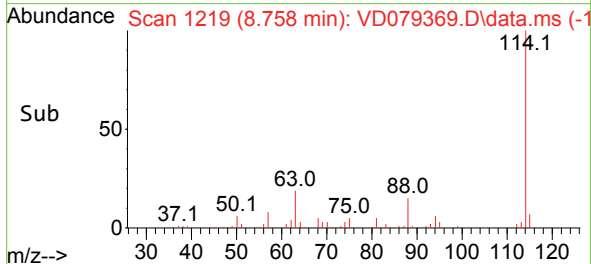
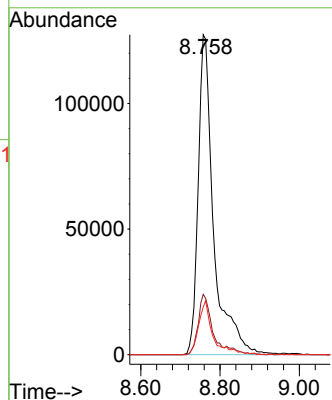
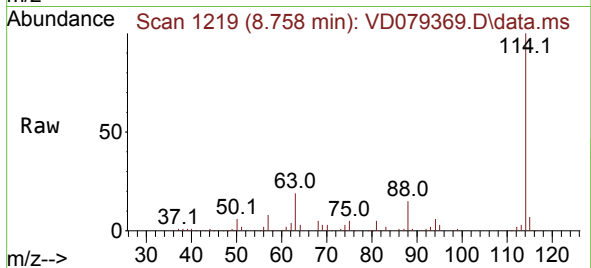
Tgt Ion:114 Resp: 346463

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 38.868 ug/l

RT: 7.787 min Scan# 1054

Delta R.T. -0.018 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

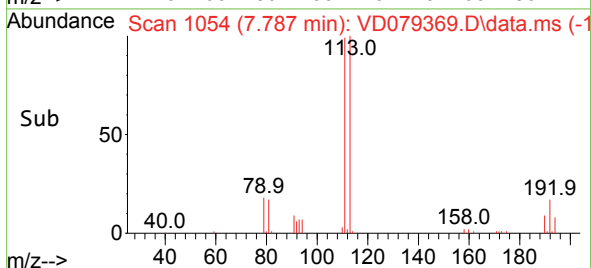
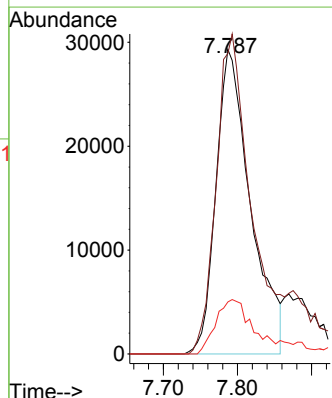
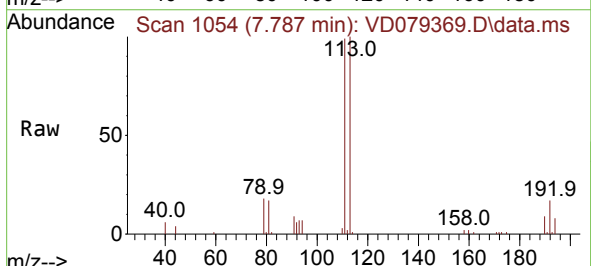
Tgt Ion:113 Resp: 95002

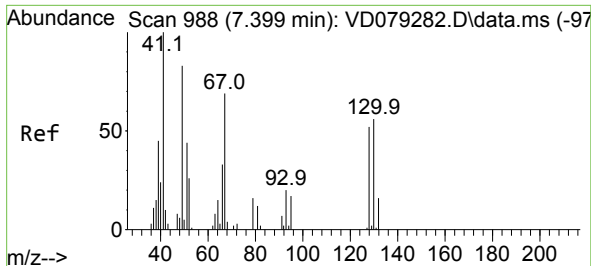
Ion Ratio Lower Upper

113 100

111 106.4 84.0 126.0

192 18.9 15.4 23.0

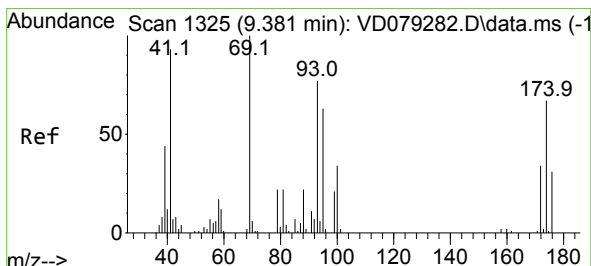
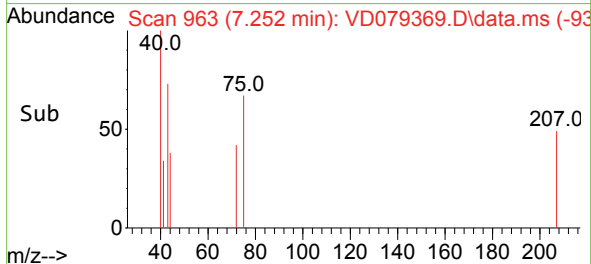
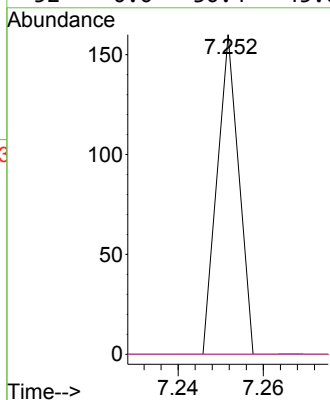
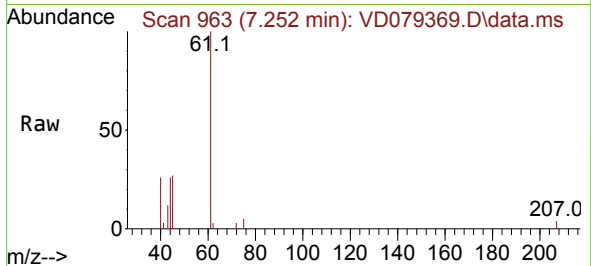




#41
Methacrylonitrile
Concen: 3.140 ug/l
RT: 7.252 min Scan# 90
Delta R.T. -0.141 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

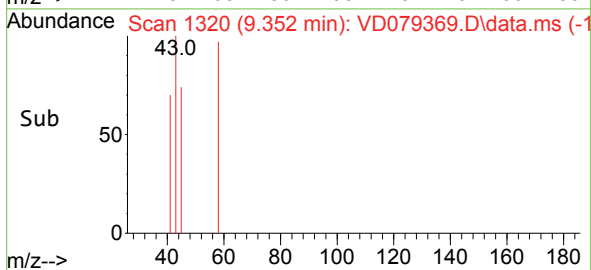
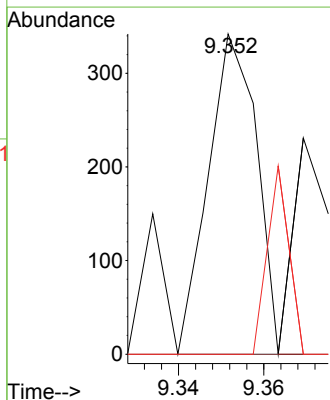
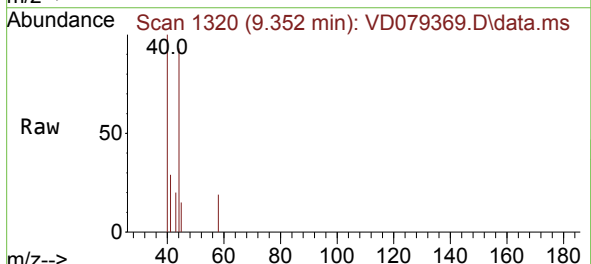
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB02

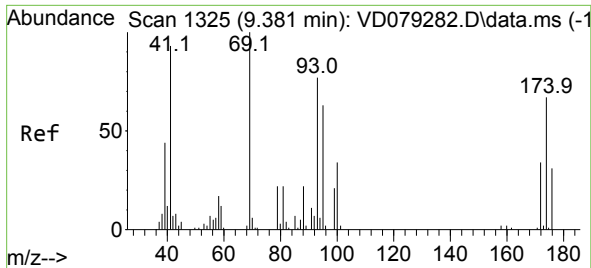
Tgt Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.4	62.0#
67	0.0	85.8	128.6#
52	0.0	30.4	45.6#



#48
Methyl methacrylate
Concen: 2.691 ug/l
RT: 9.352 min Scan# 1320
Delta R.T. -0.023 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

Tgt Ion:	41	Resp:	268
Ion	Ratio	Lower	Upper
41	100		
69	0.0	96.7	145.1#
39	26.5	43.8	65.6#





#49

1,4-Dioxane

Concen: 3.351 ug/l

RT: 9.252 min Scan# 11

Delta R.T. -0.129 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB02

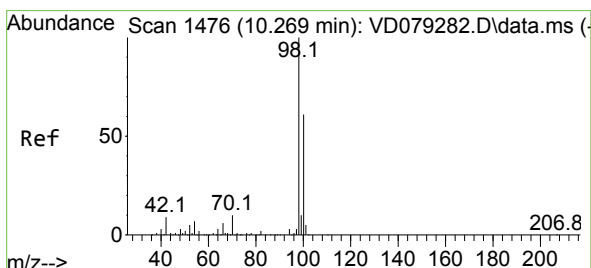
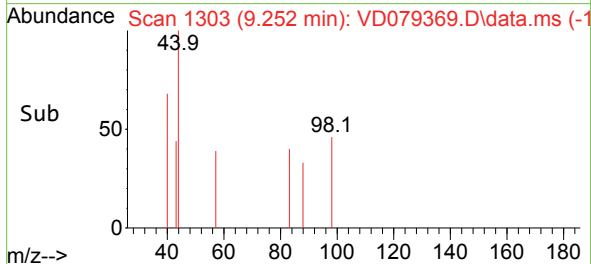
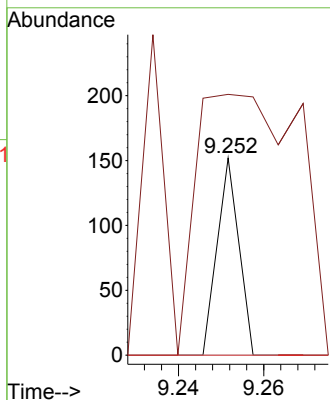
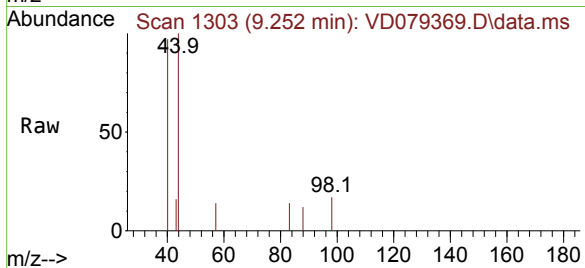
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 624.1 21.5 32.3#

58 0.0 42.2 63.4#



#50

Toluene-d8

Concen: 46.271 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD079369.D

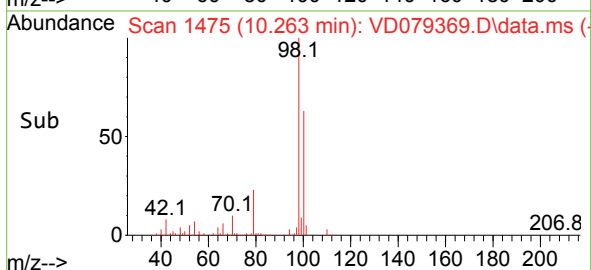
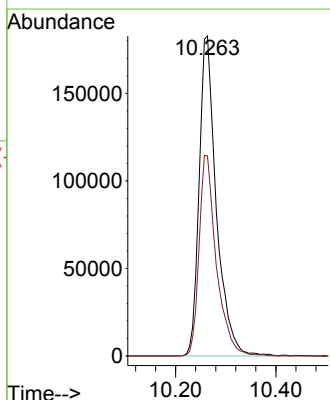
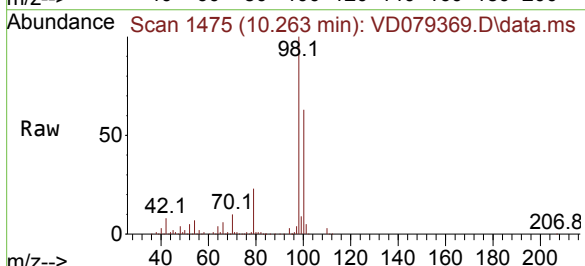
Acq: 09 Jul 2024 18:50

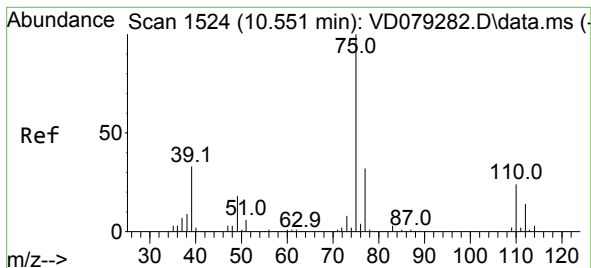
Tgt Ion: 98 Resp: 435970

Ion Ratio Lower Upper

98 100

100 62.9 51.6 77.4

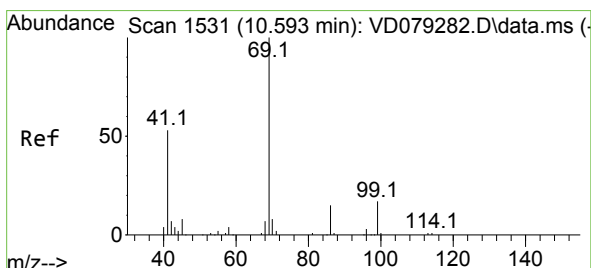
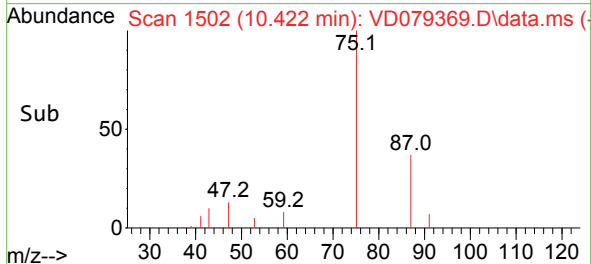
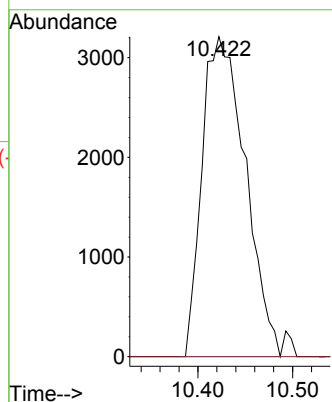
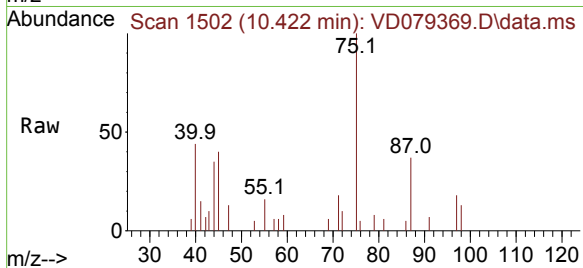




#53
t-1,3-Dichloropropene
Concen: 3.229 ug/l
RT: 10.422 min Scan# 11
Delta R.T. -0.129 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

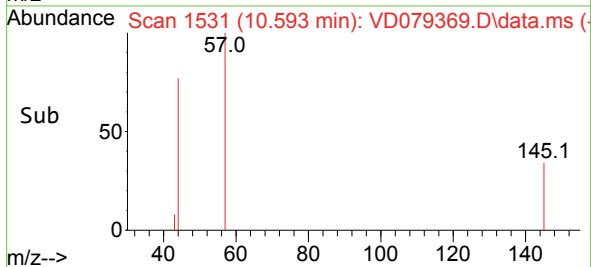
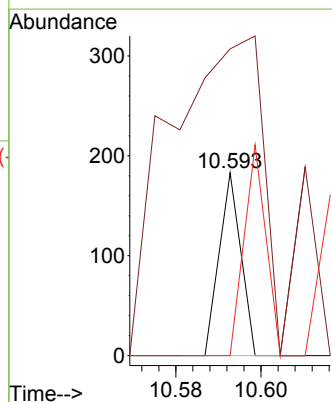
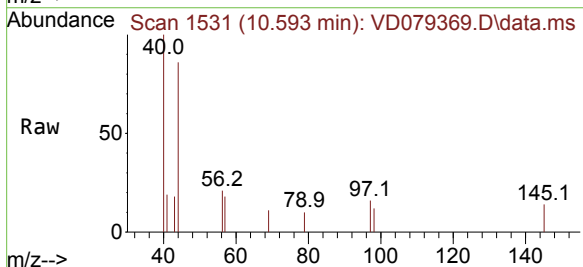
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB02

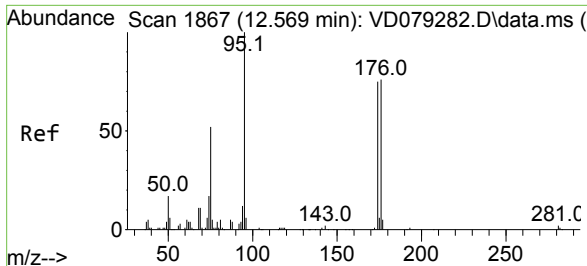
Tgt Ion: 75 Resp: 10176
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#



#56
Ethyl methacrylate
Concen: 3.223 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 846.2 39.8 59.6#
39 113.8 20.2 30.4#

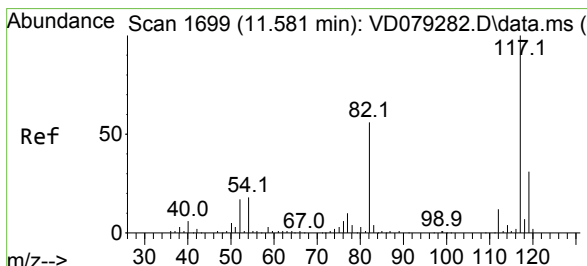
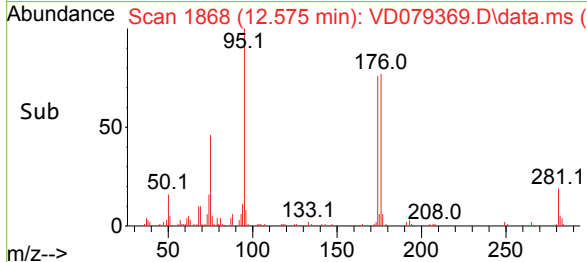
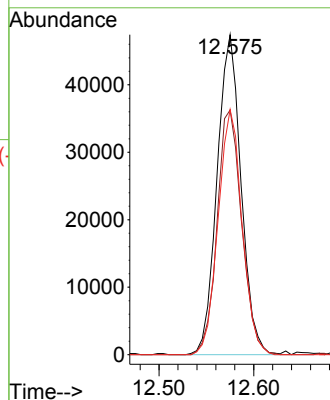
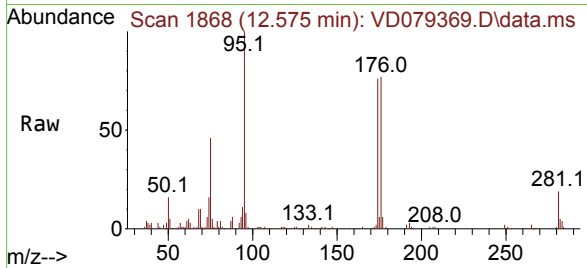




#62
4-Bromofluorobenzene
Concen: 28.505 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

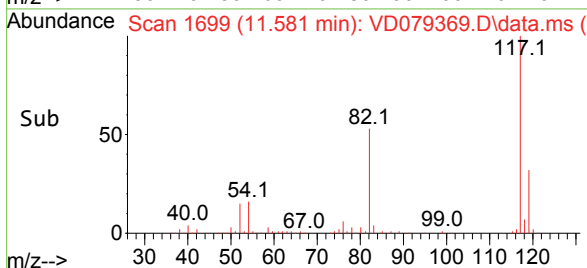
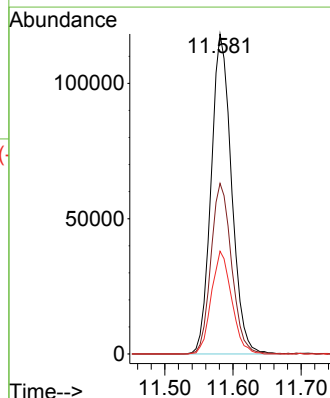
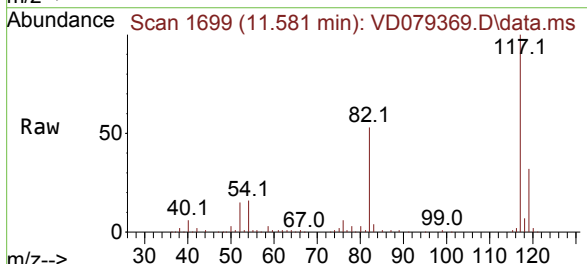
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB02

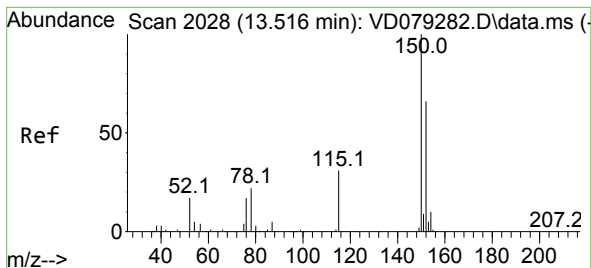
Tgt Ion: 95 Resp: 83475
Ion Ratio Lower Upper
95 100
174 78.3 0.0 195.4
176 76.6 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079369.D
Acq: 09 Jul 2024 18:50

Tgt Ion: 117 Resp: 246291
Ion Ratio Lower Upper
117 100
82 53.3 39.8 59.6
119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD079369.D

Acq: 09 Jul 2024 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB02

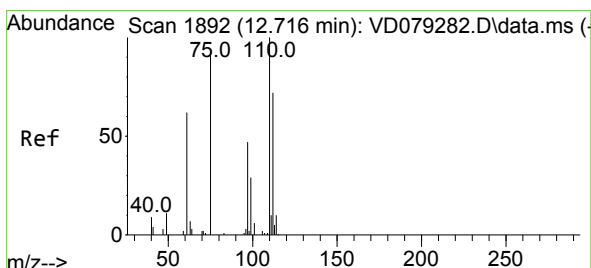
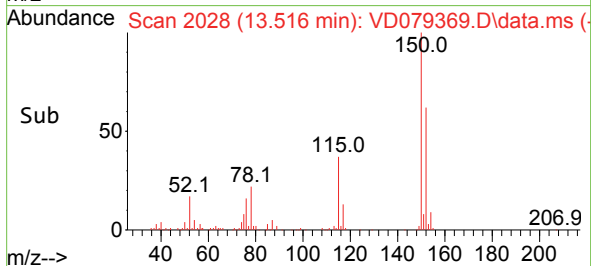
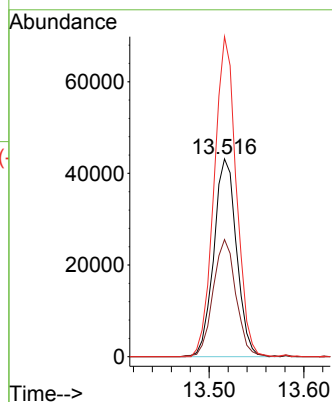
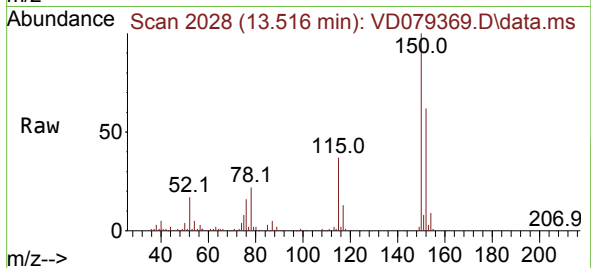
Tgt Ion:152 Resp: 71975

Ion Ratio Lower Upper

152 100

115 59.4 26.5 79.5

150 157.6 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 57.259 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079369.D

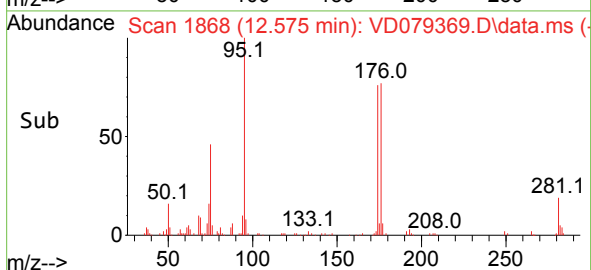
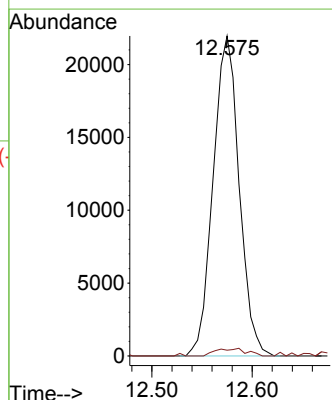
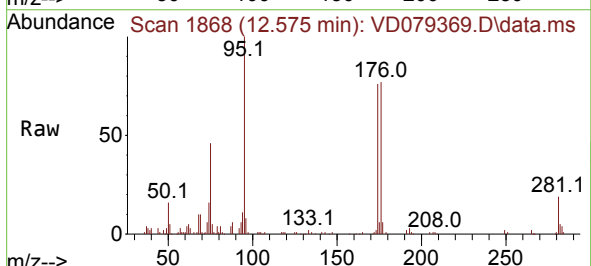
Acq: 09 Jul 2024 18:50

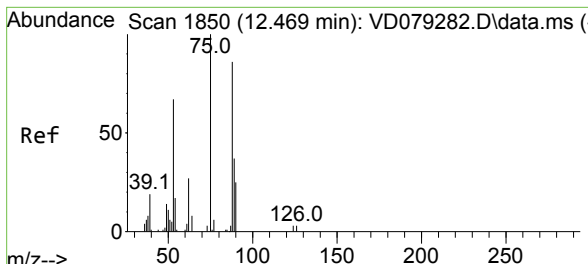
Tgt Ion: 75 Resp: 39597

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.959 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD079369.D
 Acq: 09 Jul 2024 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 B-140-SB02

Tgt Ion:	75	Resp:	39597
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.2	35.4	53.0#

