

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079544.D
 Acq On : 02 Aug 2024 16:05
 Operator : RP/MD
 Sample : P3403-01
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT3054

Quant Time: Aug 02 18:56:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

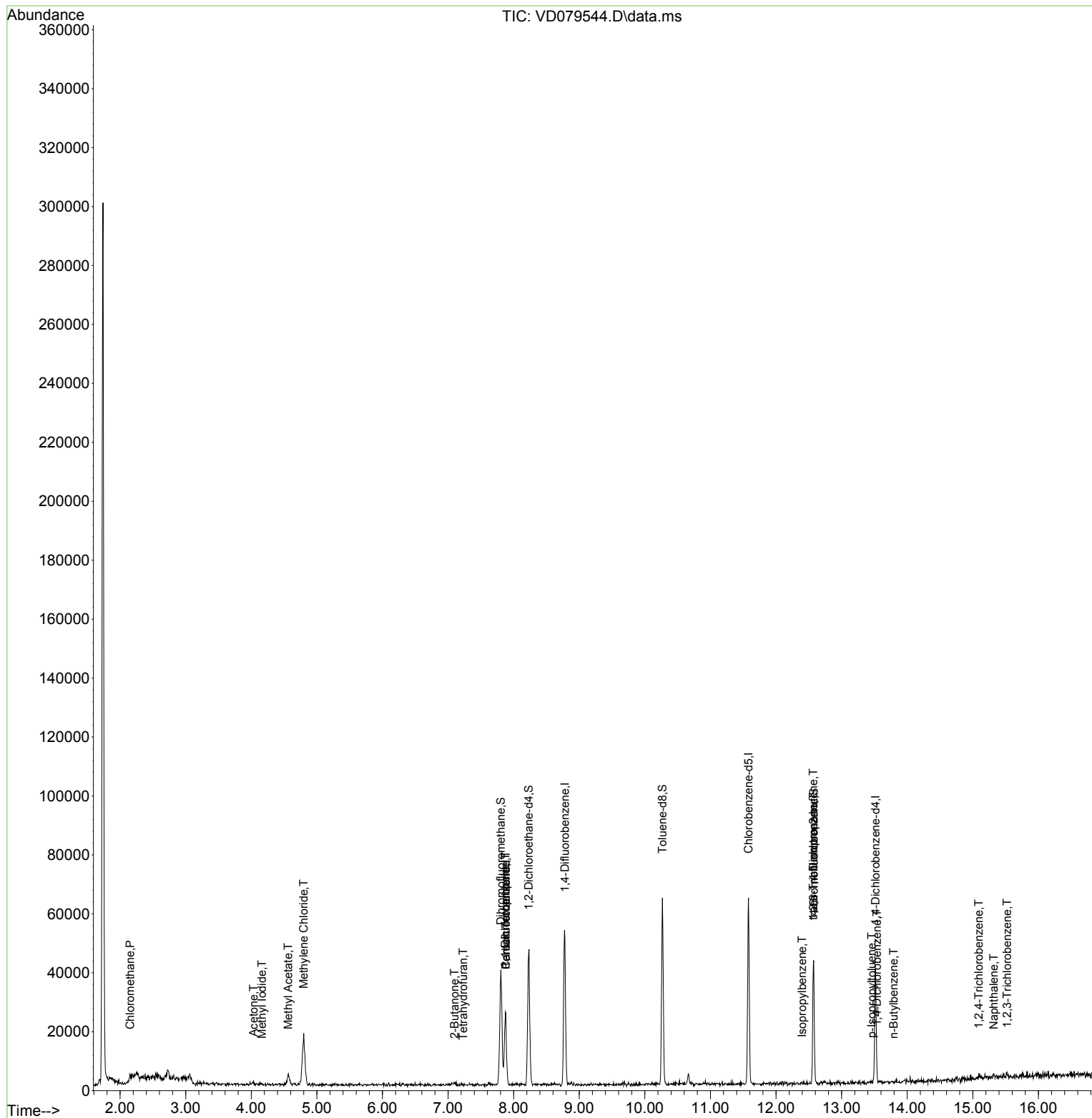
Internal Standards						
1) Pentafluorobenzene	7.881	168	19363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	47592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	38141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	34546	175.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	351.240%#
35) Dibromofluoromethane	7.804	113	27841	86.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	172.860%#
50) Toluene-d8	10.269	98	44970	35.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.900%
62) 4-Bromofluorobenzene	12.575	95	12353	34.125	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	364	1.302	ug/l #	67
10) Methyl Iodide	4.164	142	265	1.673	ug/l #	67
16) Acetone	4.034	43	1734	45.358	ug/l #	85
18) Methyl Acetate	4.563	43	5412	45.597	ug/l #	66
20) Methylene Chloride	4.799	84	12441	42.247	ug/l	96
25) 2-Butanone	7.099	43	393	7.251	ug/l #	42
29) Tetrahydrofuran	7.228	42	54	1.608	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	1731	3.937	ug/l #	39
38) Carbon Tetrachloride	7.881	117	1982	4.288	ug/l #	13
73) Isopropylbenzene	12.398	105	54	3.690	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	6275	66.551	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	6275	126.930	ug/l #	19
86) p-Isopropyltoluene	13.457	119	172	4.096	ug/l #	51
88) 1,4-Dichlorobenzene	13.539	146	428	1.162	ug/l	82
89) n-Butylbenzene	13.792	91	235	4.093	ug/l #	34
93) 1,2,4-Trichlorobenzene	15.092	180	395	1.958	ug/l #	87
95) Naphthalene	15.322	128	1823	5.221	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.522	180	202	1.138	ug/l #	12

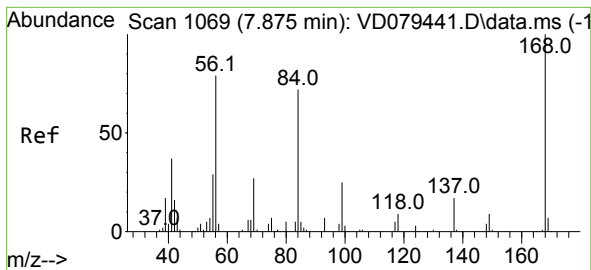
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 03:50:47 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

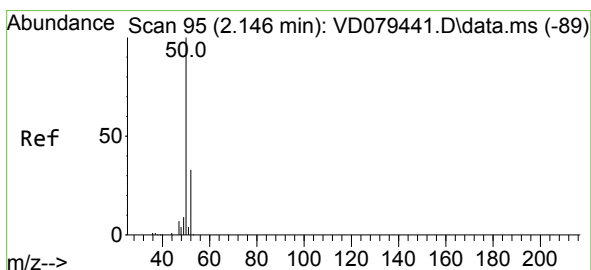
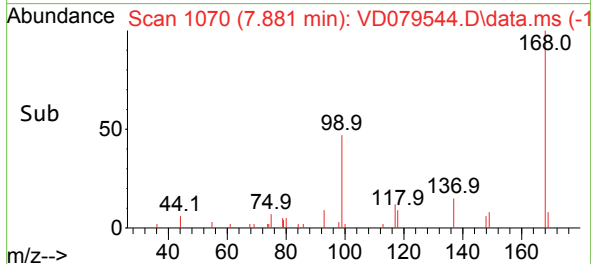
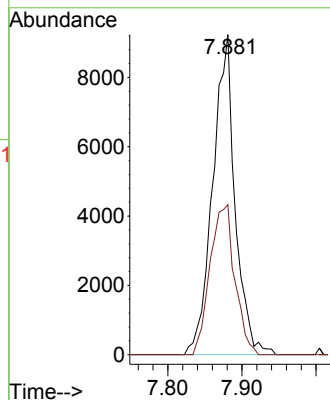
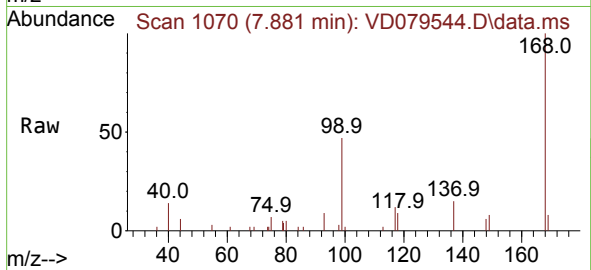
RT3054

Tgt Ion:168 Resp: 19363

Ion Ratio Lower Upper

168 100

99 46.9 41.1 61.7



#3

Chloromethane

Concen: 1.302 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD079544.D

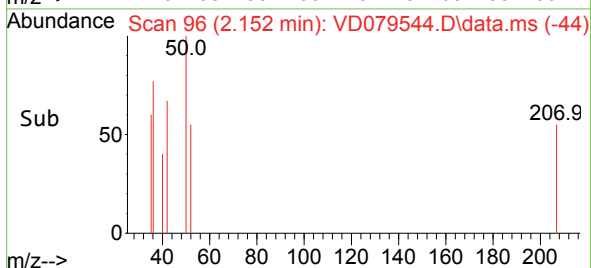
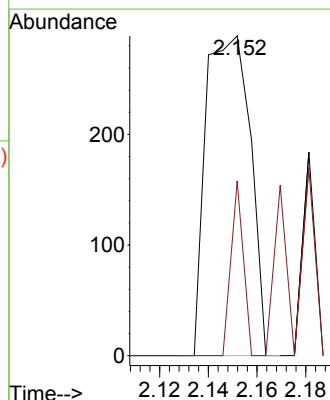
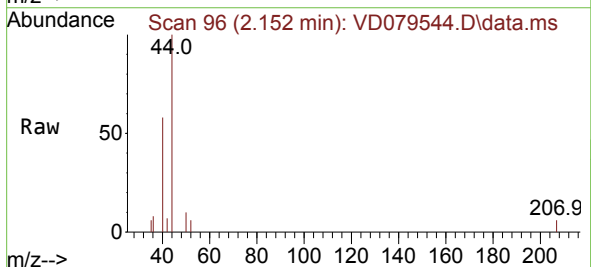
Acq: 02 Aug 2024 16:05

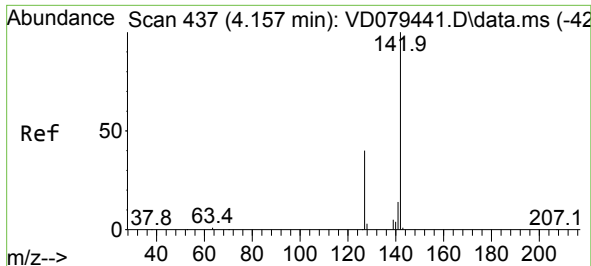
Tgt Ion: 50 Resp: 364

Ion Ratio Lower Upper

50 100

52 54.7 28.2 42.2#





#10

Methyl Iodide

Concen: 1.673 ug/l

RT: 4.164 min Scan# 41

Delta R.T. 0.011 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

RT3054

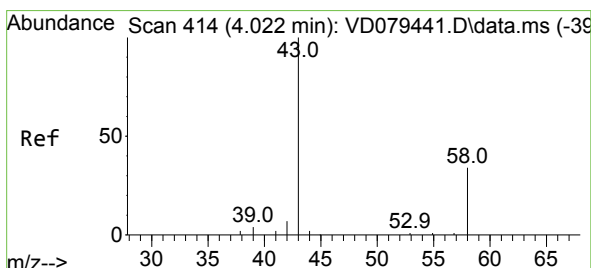
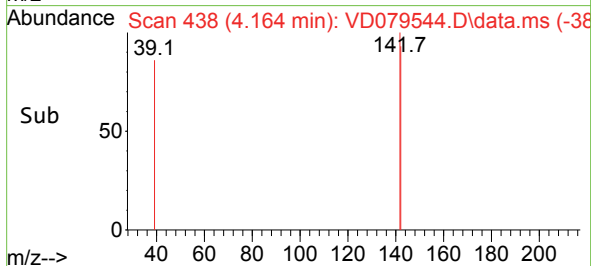
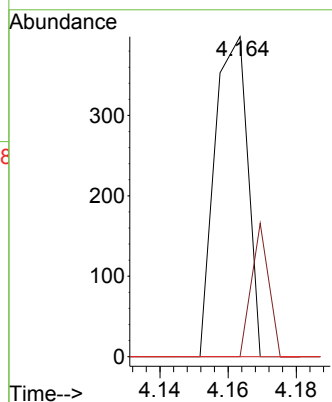
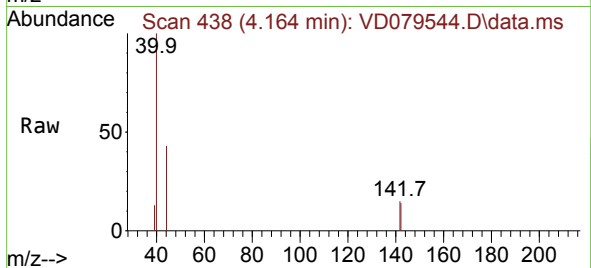
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 22.3 34.2 51.4#

141 0.0 11.7 17.5#



#16

Acetone

Concen: 45.358 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD079544.D

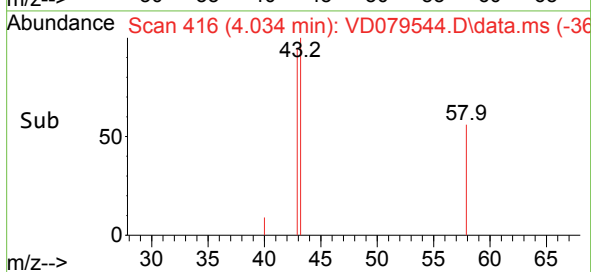
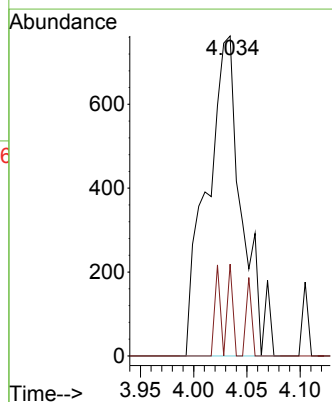
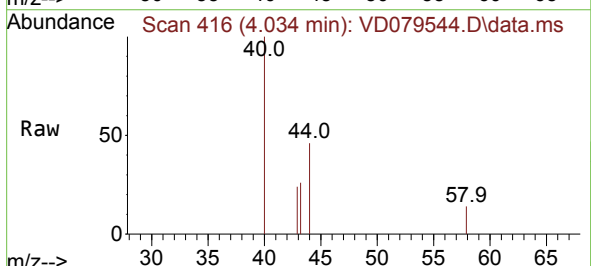
Acq: 02 Aug 2024 16:05

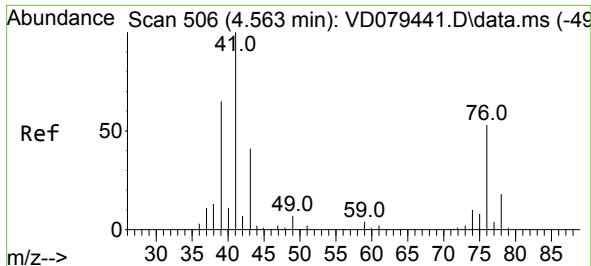
Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

43 100

58 28.7 30.4 45.6#

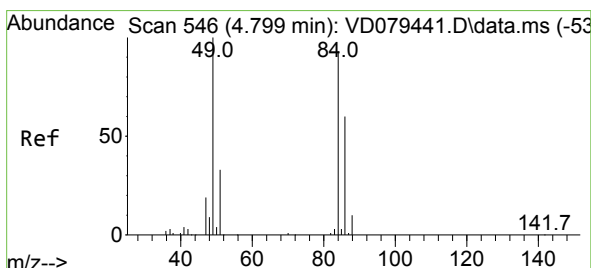
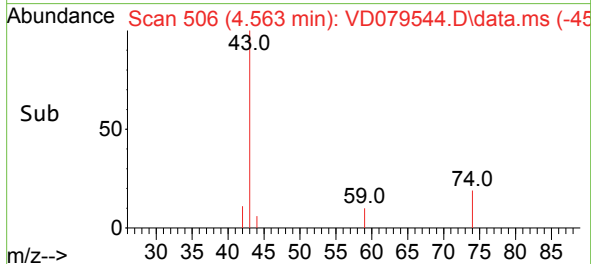
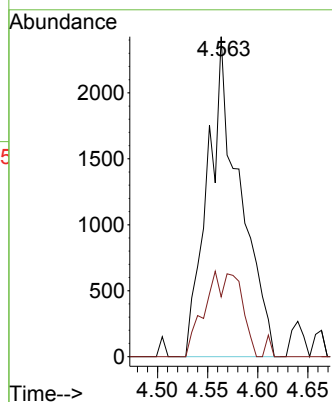
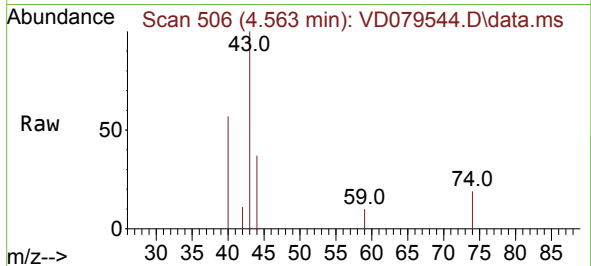




#18
Methyl Acetate
Concen: 45.597 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

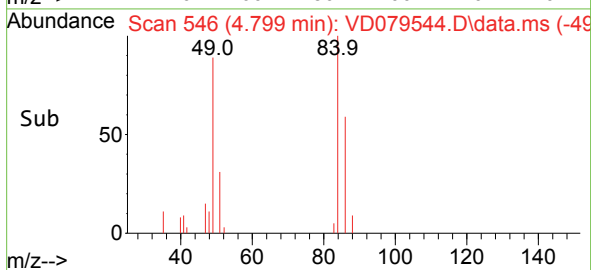
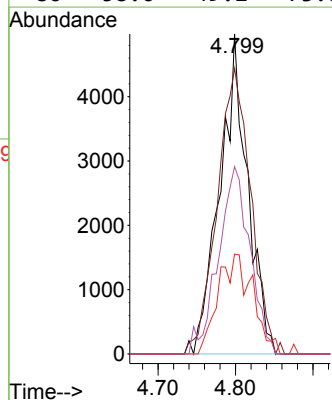
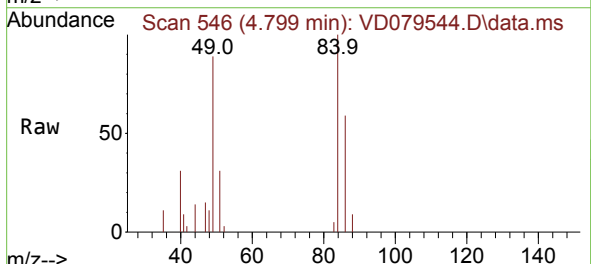
Instrument :
MSVOA_D
ClientSampleId :
RT3054

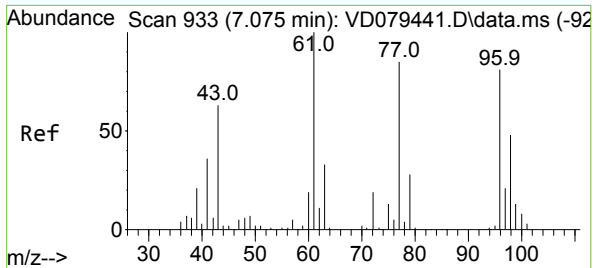
Tgt Ion: 43 Resp: 5412
Ion Ratio Lower Upper
43 100
74 15.4 28.1 42.1#



#20
Methylene Chloride
Concen: 42.247 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Tgt Ion: 84 Resp: 12441
Ion Ratio Lower Upper
84 100
49 89.2 75.6 113.4
51 31.2 24.2 36.2
86 58.6 49.2 73.8





#25

2-Butanone

Concen: 7.251 ug/l

RT: 7.099 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

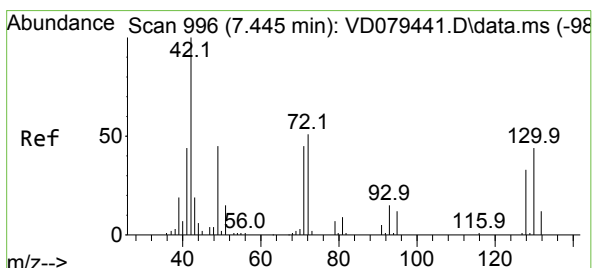
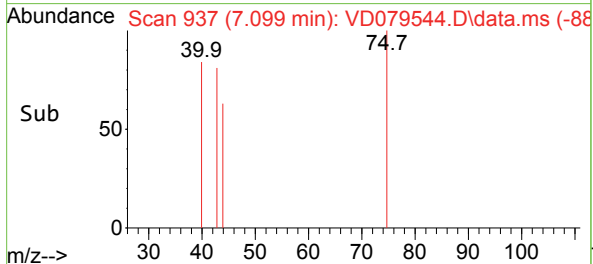
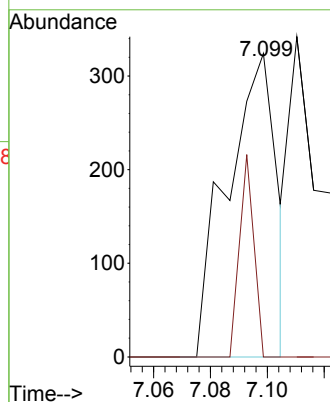
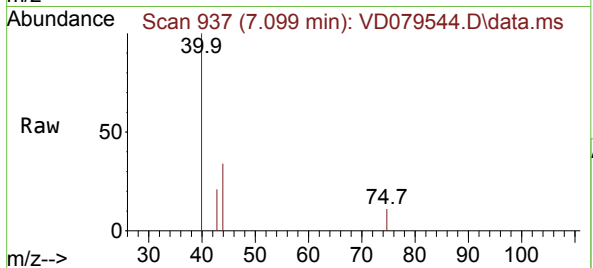
RT3054

Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#29

Tetrahydrofuran

Concen: 1.608 ug/l

RT: 7.228 min Scan# 959

Delta R.T. -0.218 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

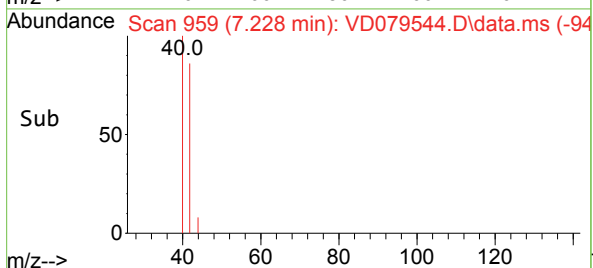
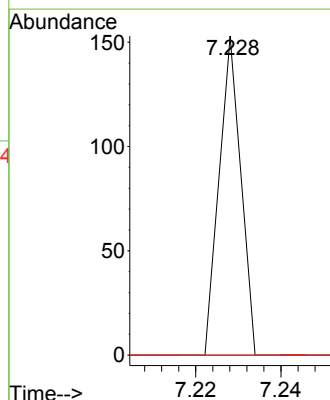
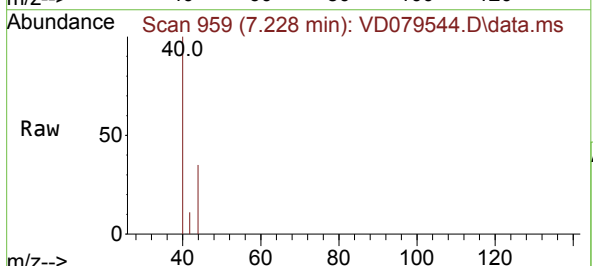
Tgt Ion: 42 Resp: 54

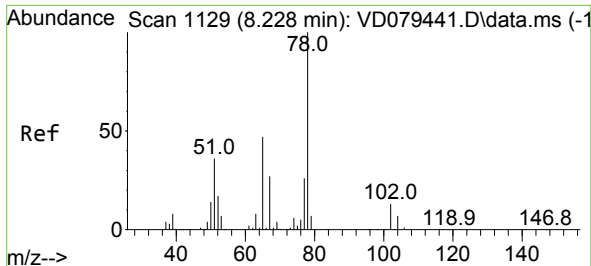
Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 0.0 45.0 67.6#





#33

1,2-Dichloroethane-d4

Concen: 175.619 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

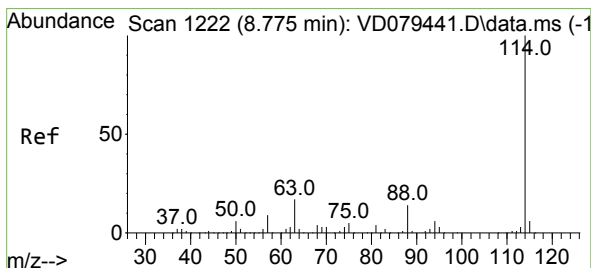
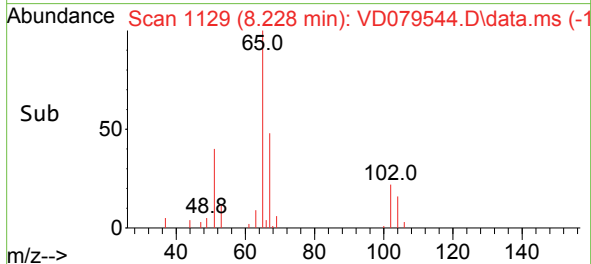
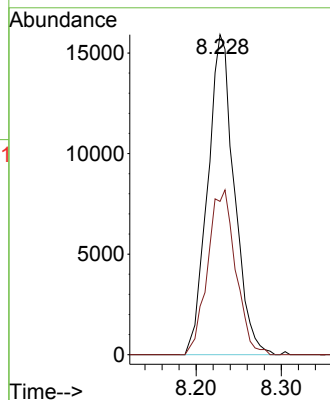
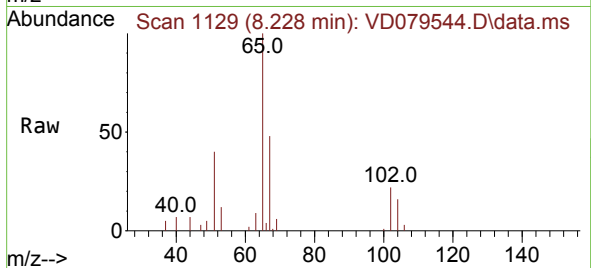
RT3054

Tgt Ion: 65 Resp: 34546

Ion Ratio Lower Upper

65 100

67 54.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

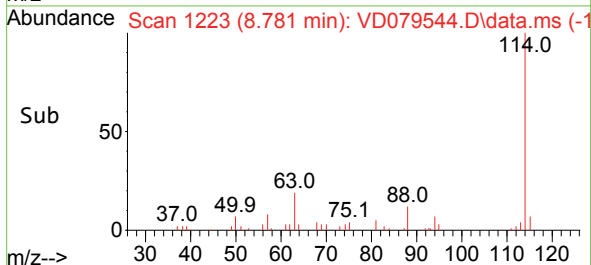
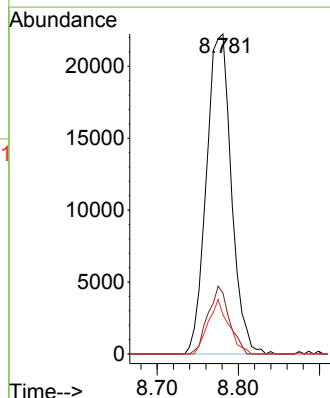
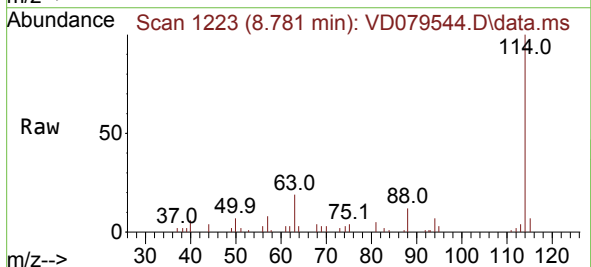
Tgt Ion: 114 Resp: 47592

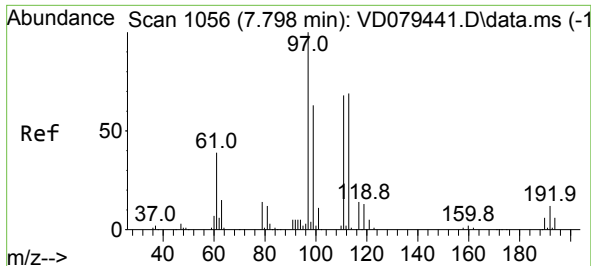
Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 12.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 86.429 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

RT3054

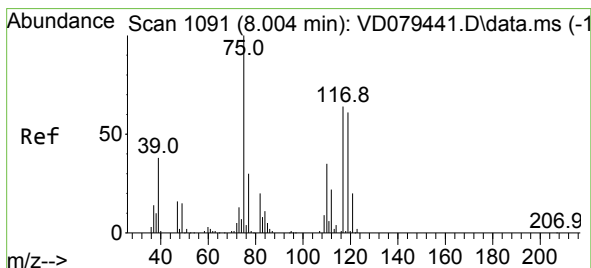
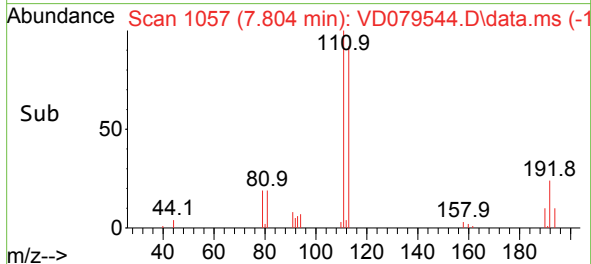
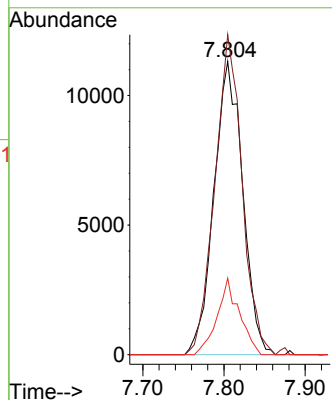
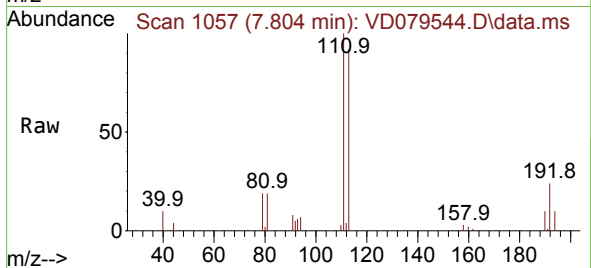
Tgt Ion:113 Resp: 27841

Ion Ratio Lower Upper

113 100

111 103.5 84.0 126.0

192 20.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.937 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

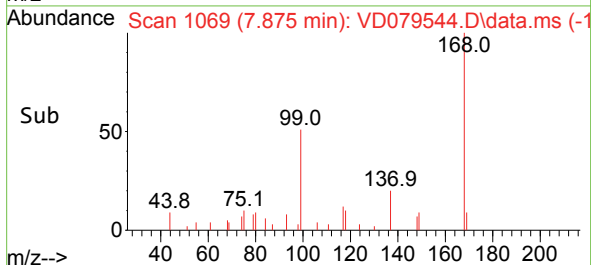
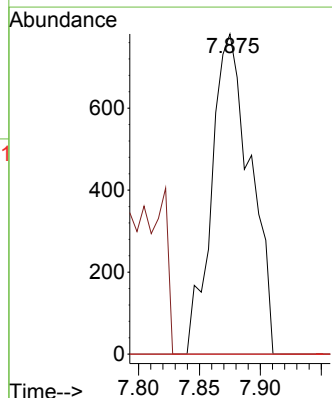
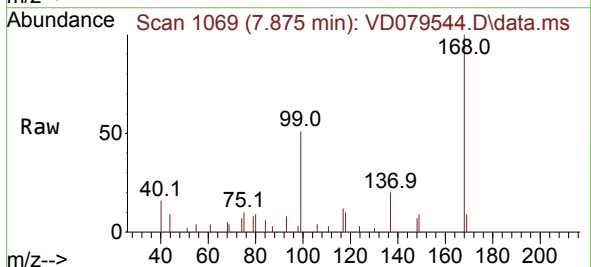
Tgt Ion: 75 Resp: 1731

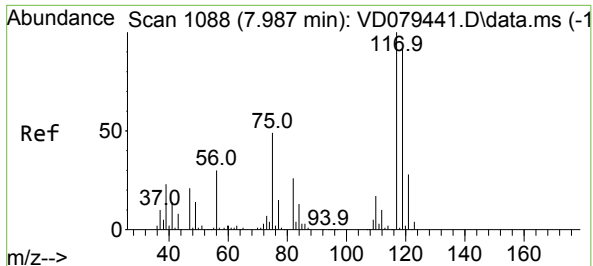
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

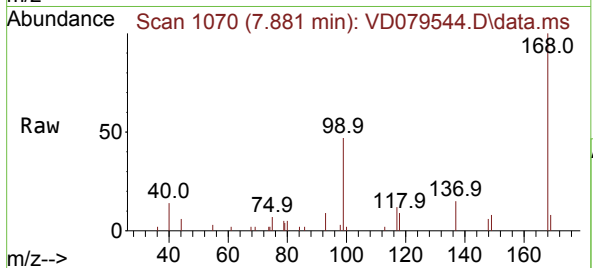
77 0.0 26.1 39.1#



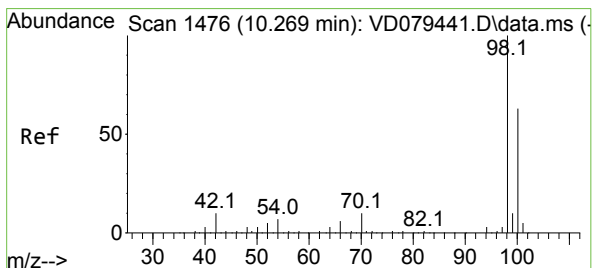
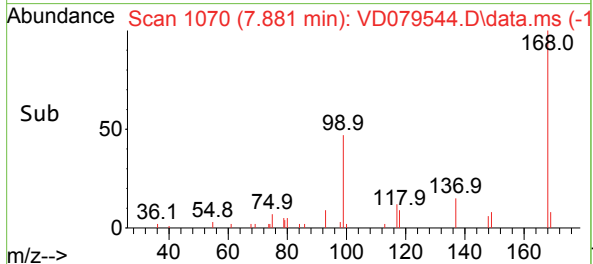
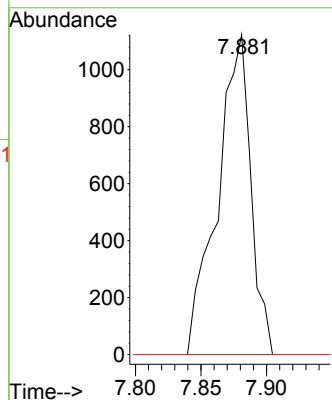


#38
Carbon Tetrachloride
Concen: 4.288 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Instrument :
MSVOA_D
ClientSampleId :
RT3054

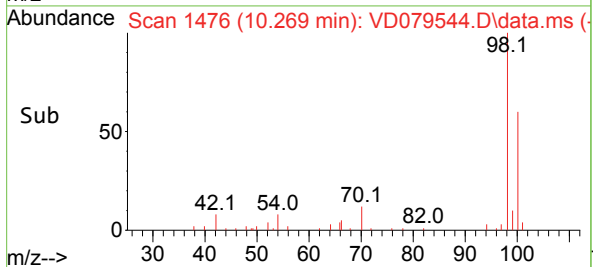
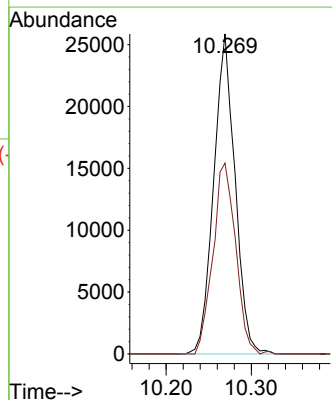
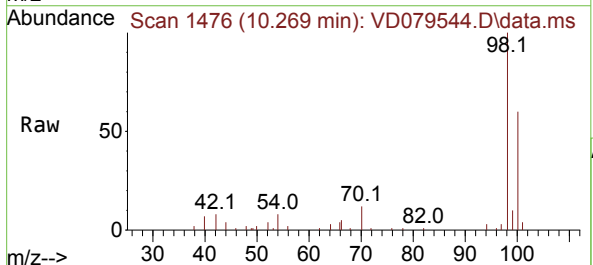


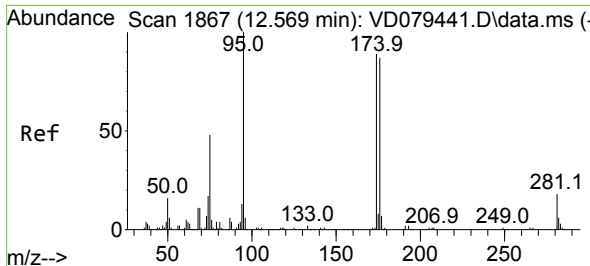
Tgt Ion:117 Resp: 1982
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 35.949 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Tgt Ion: 98 Resp: 44970
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

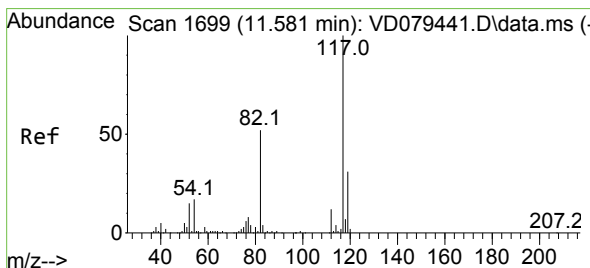
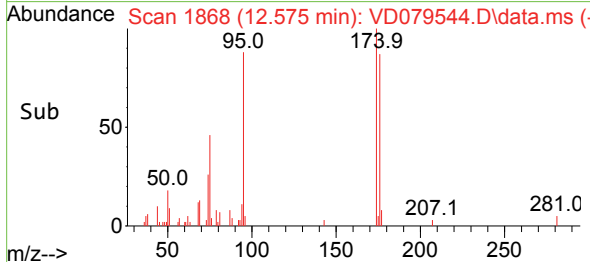
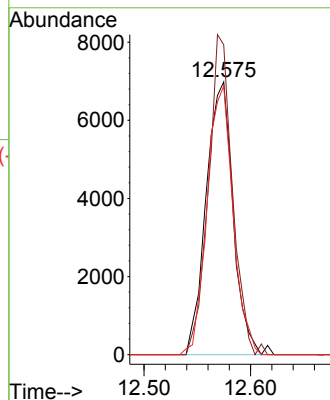
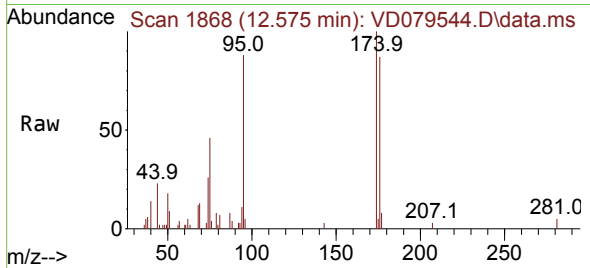




#62
4-Bromofluorobenzene
Concen: 34.125 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

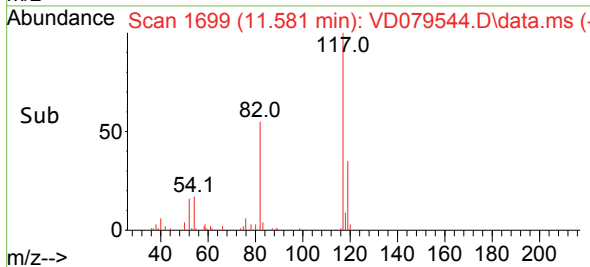
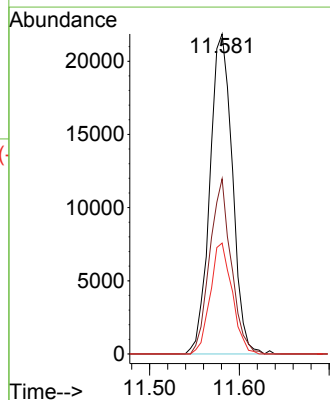
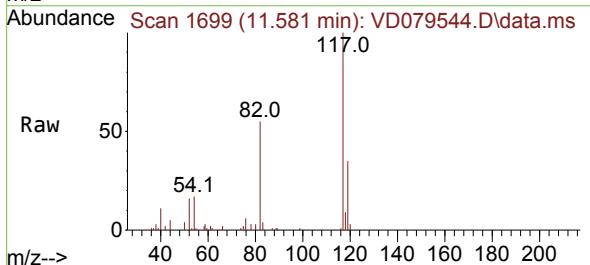
Instrument :
MSVOA_D
ClientSampleId :
RT3054

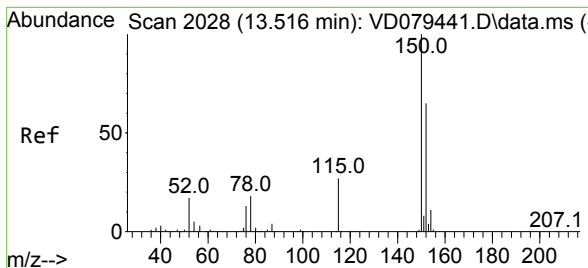
Tgt Ion: 95	Resp: 12353
Ion Ratio	Lower Upper
95	100
174	104.2 0.0 195.4
176	94.3 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Tgt Ion: 117	Resp: 38141
Ion Ratio	Lower Upper
117	100
82	54.8 39.8 59.6
119	34.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

RT3054

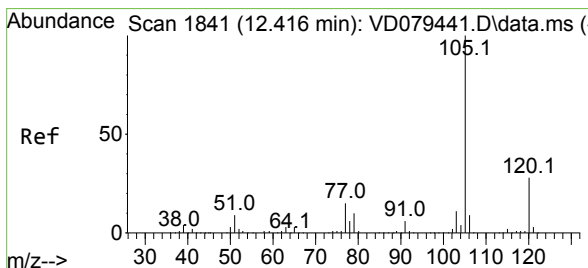
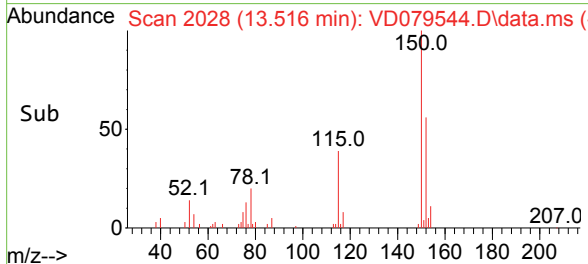
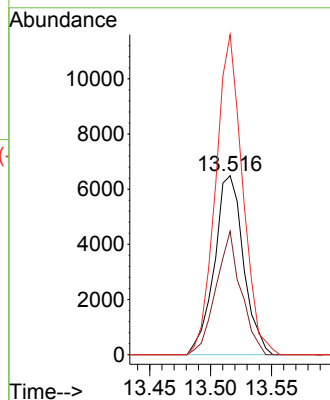
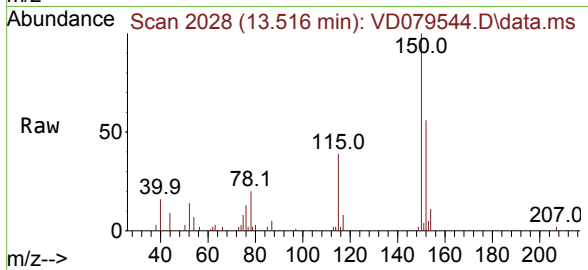
Tgt Ion:152 Resp: 10787

Ion Ratio Lower Upper

152 100

115 59.6 26.5 79.5

150 165.6 0.0 341.6



#73

Isopropylbenzene

Concen: 3.690 ug/l

RT: 12.398 min Scan# 1838

Delta R.T. -0.018 min

Lab File: VD079544.D

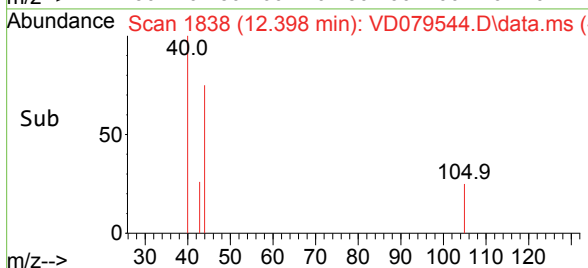
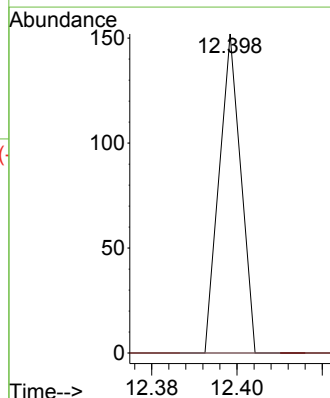
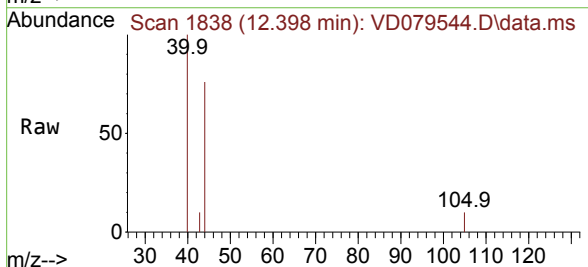
Acq: 02 Aug 2024 16:05

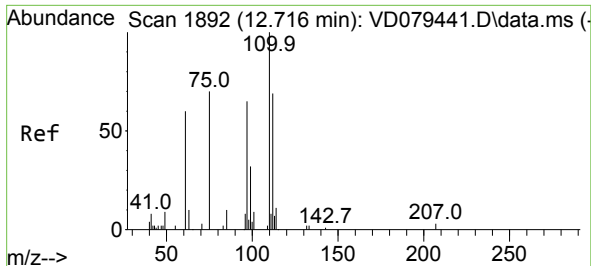
Tgt Ion:105 Resp: 54

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

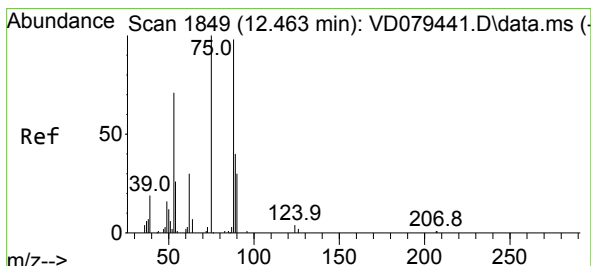
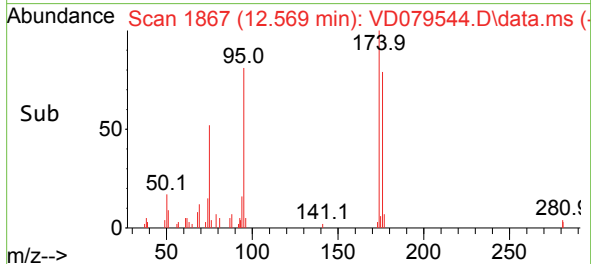
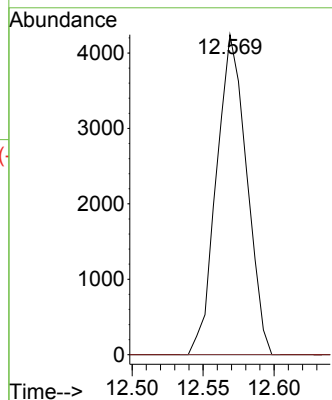
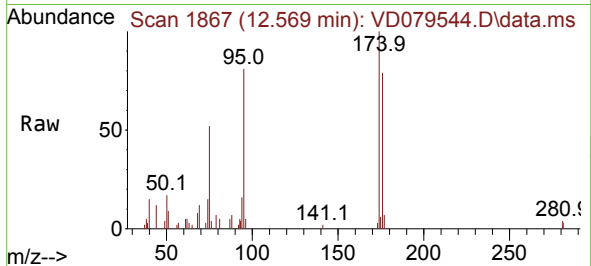




#76
1,2,3-Trichloropropane
Concen: 66.551 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

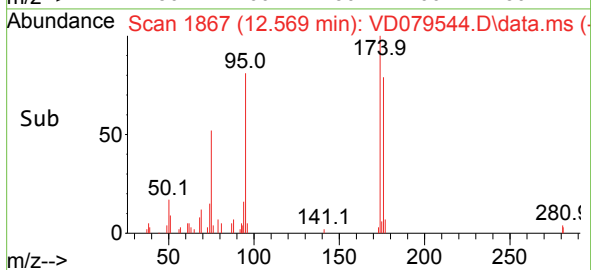
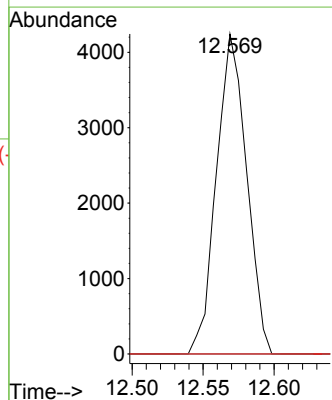
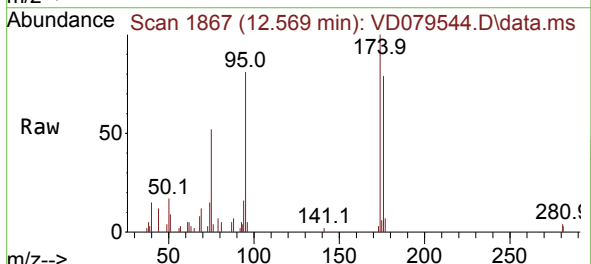
Instrument :
MSVOA_D
ClientSampleId :
RT3054

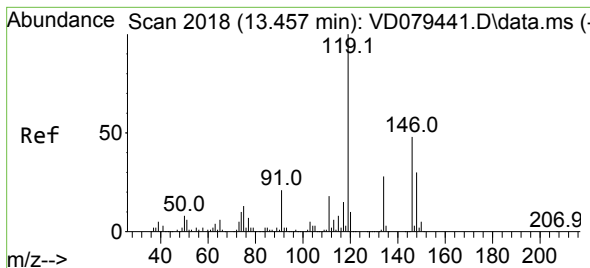
Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 126.930 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

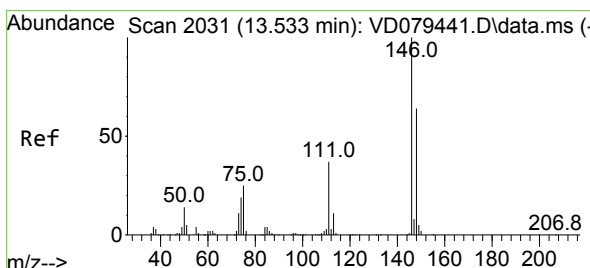
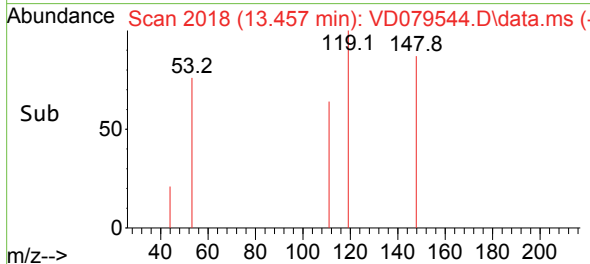
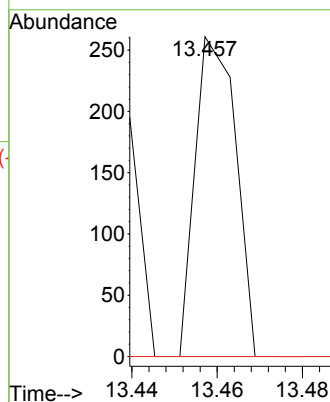
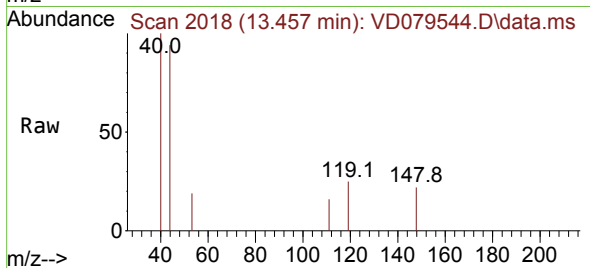




#86
p-Isopropyltoluene
Concen: 4.096 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

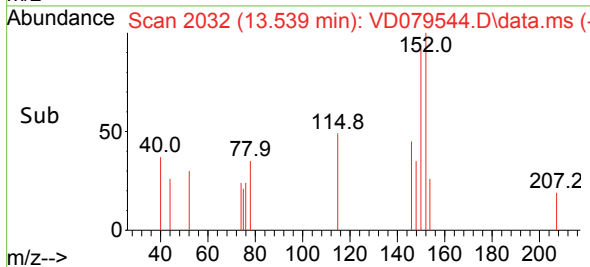
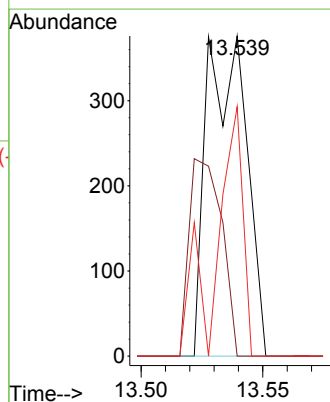
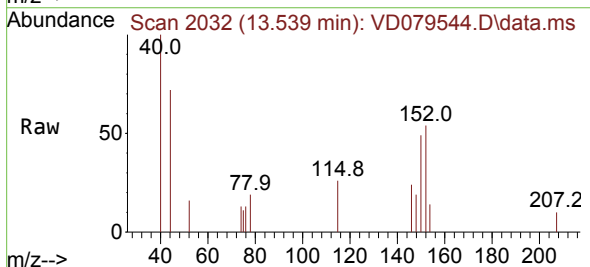
Instrument :
MSVOA_D
ClientSampleId :
RT3054

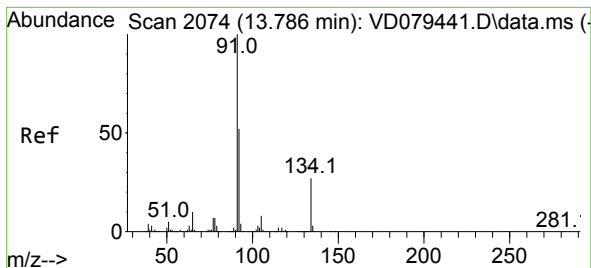
Tgt Ion:119 Resp: 172
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#88
1,4-Dichlorobenzene
Concen: 1.162 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD079544.D
Acq: 02 Aug 2024 16:05

Tgt Ion:146 Resp: 428
Ion Ratio Lower Upper
146 100
111 50.5 17.5 52.6
148 52.8 31.4 94.2





#89

n-Butylbenzene

Concen: 4.093 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. 0.011 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

RT3054

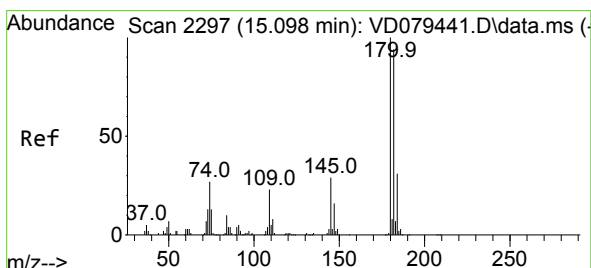
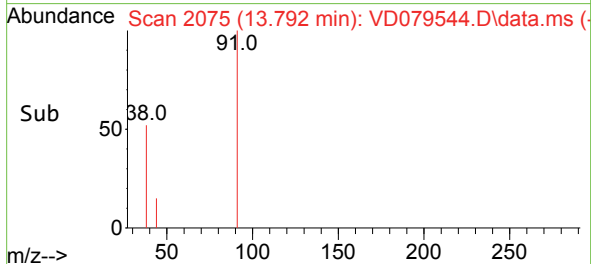
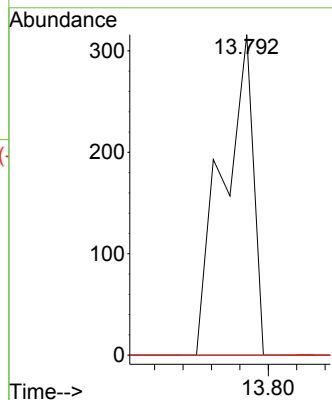
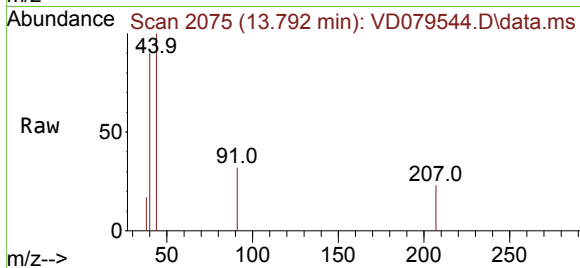
Tgt Ion: 91 Resp: 235

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.958 ug/l

RT: 15.092 min Scan# 2296

Delta R.T. -0.000 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

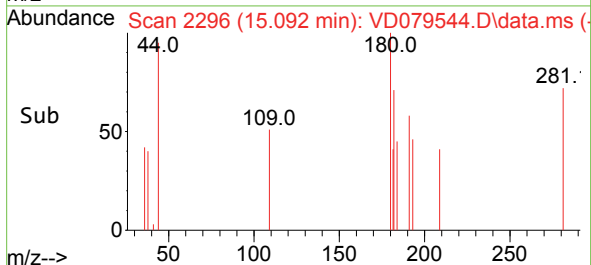
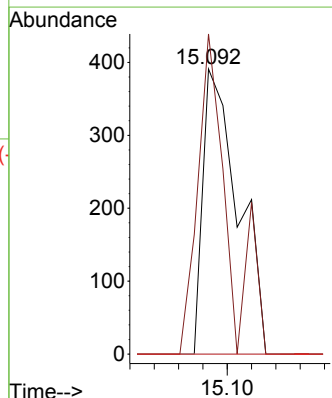
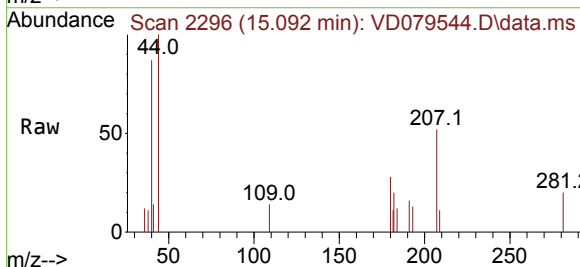
Tgt Ion:180 Resp: 395

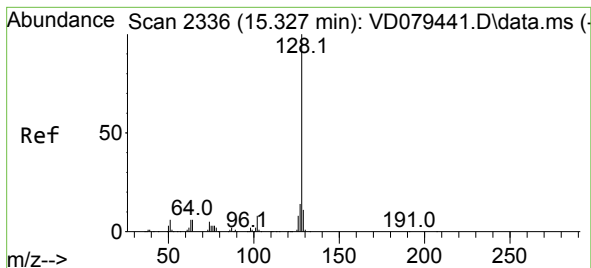
Ion Ratio Lower Upper

180 100

182 95.2 46.9 140.7

145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 5.221 ug/l

RT: 15.322 min Scan# 2335

Delta R.T. -0.006 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Instrument :

MSVOA_D

ClientSampleId :

RT3054

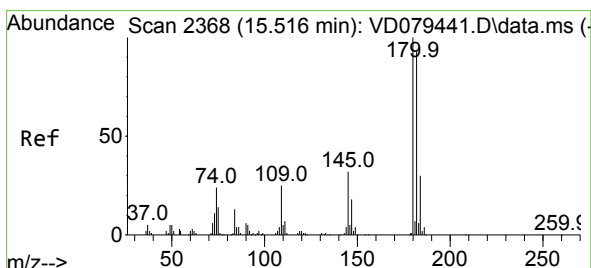
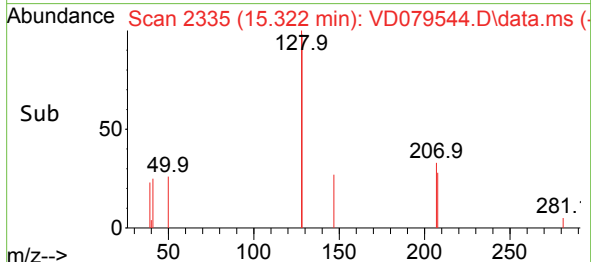
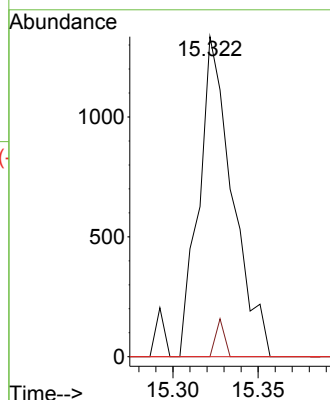
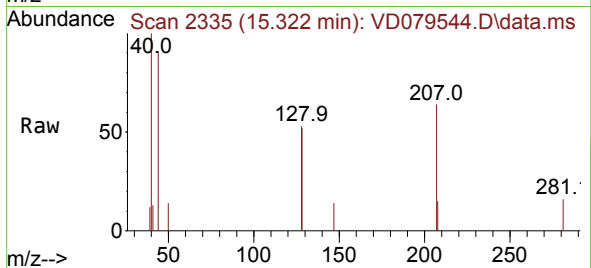
Tgt Ion:128 Resp: 1823

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 1.138 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD079544.D

Acq: 02 Aug 2024 16:05

Tgt Ion:180 Resp: 202

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 16.1 48.2#

