

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
 Data File : VD079293.D
 Acq On : 01 Jul 2024 13:56
 Operator : RP/MD
 Sample : P3115-12RE
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-325RE

Quant Time: Jul 01 15:36:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	84309	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	205850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	147823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	20698	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	58315	72.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.160%
35) Dibromofluoromethane	7.805	113	63807	47.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.440%
50) Toluene-d8	10.269	98	176632	36.337	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	72.680%
62) 4-Bromofluorobenzene	12.569	95	35860	23.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.020%

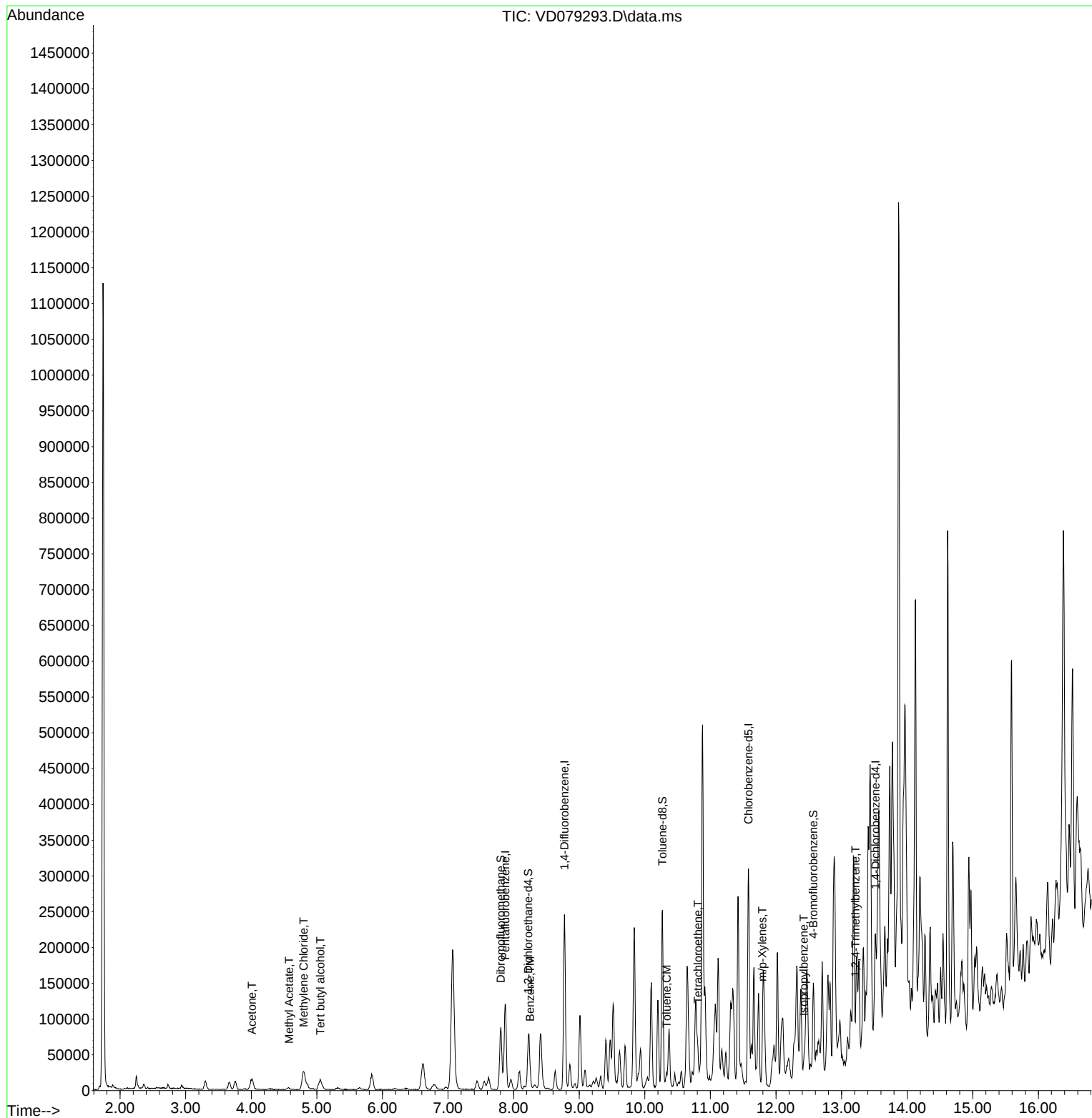
Target Compounds						Qvalue
11) Tert butyl alcohol	5.052	59	25904	459.186	ug/l	98
16) Acetone	4.011	43	13281	66.372	ug/l	# 84
18) Methyl Acetate	4.575	43	4329	7.447	ug/l	# 83
20) Methylene Chloride	4.799	84	20276	10.322	ug/l	91
40) Benzene	8.252	78	11318	1.728	ug/l	# 69
52) Toluene	10.334	92	8563	2.148	ug/l	94
64) Tetrachloroethene	10.810	164	8268	8.977	ug/l	93
68) m/p-Xylenes	11.793	106	2681	1.211	ug/l	# 36
73) Isopropylbenzene	12.422	105	3181	2.067	ug/l	80
84) 1,2,4-Trimethylbenzene	13.210	105	3780	2.899	ug/l	98

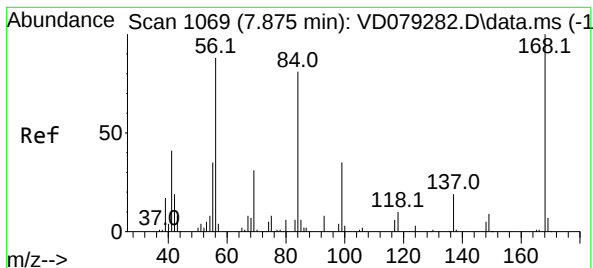
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

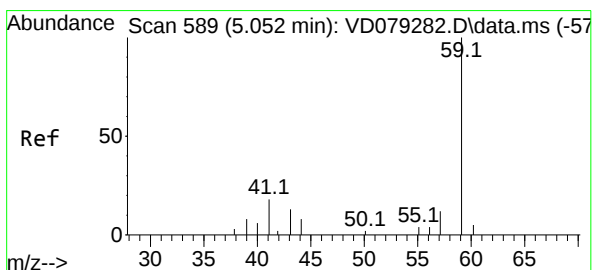
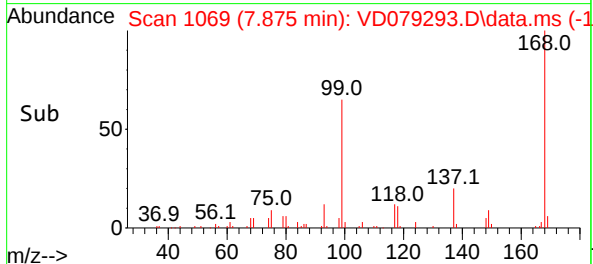
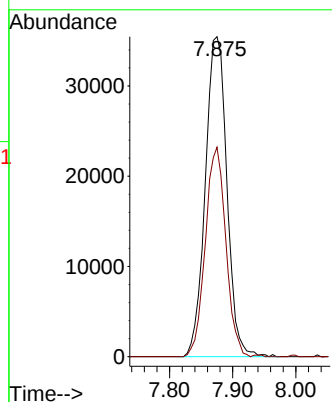
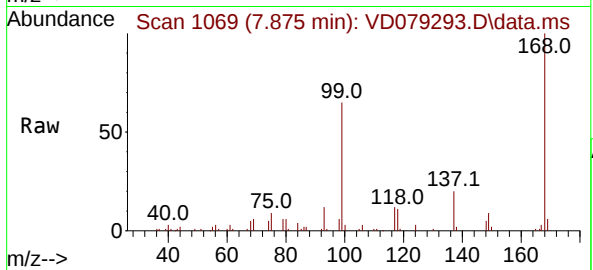




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

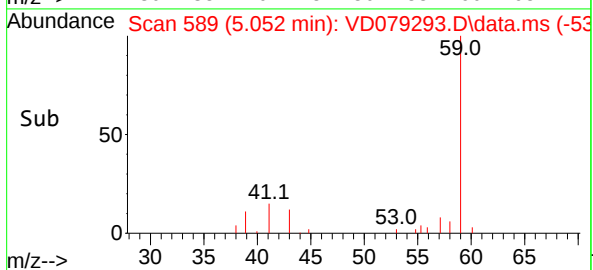
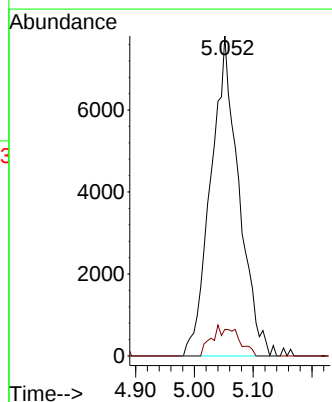
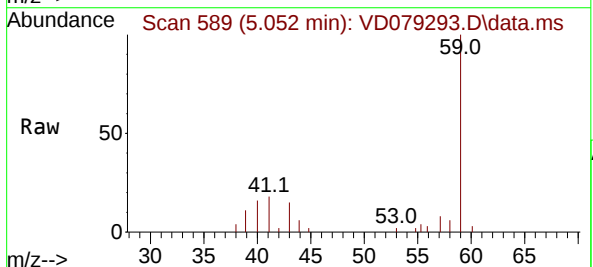
Instrument :
MSVOA_D
ClientSampleId :
VNJ-325RE

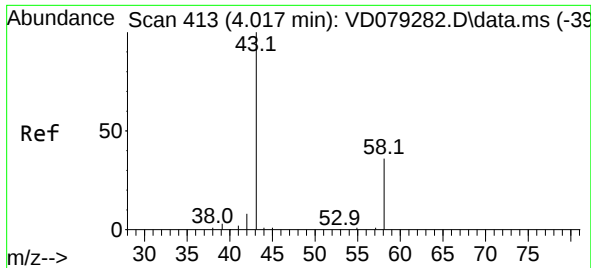
Tgt Ion:168 Resp: 84309
Ion Ratio Lower Upper
168 100
99 65.4 41.1 61.7#



#11
Tert butyl alcohol
Concen: 459.186 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

Tgt Ion: 59 Resp: 25904
Ion Ratio Lower Upper
59 100
57 3.7 3.6 5.4

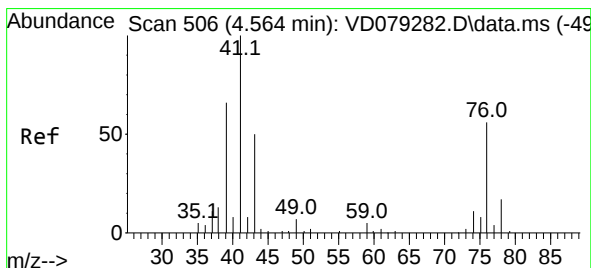
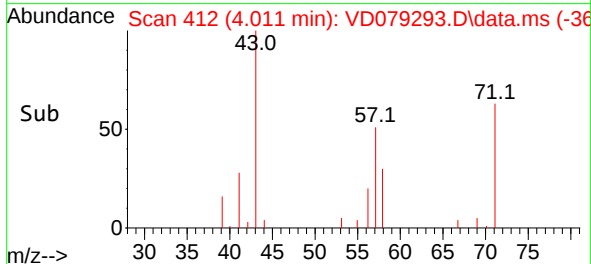
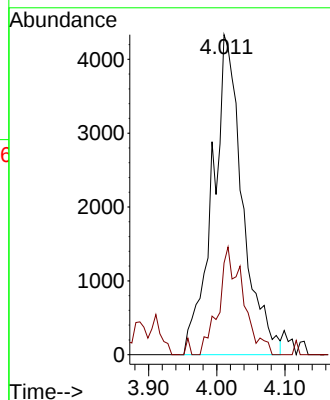
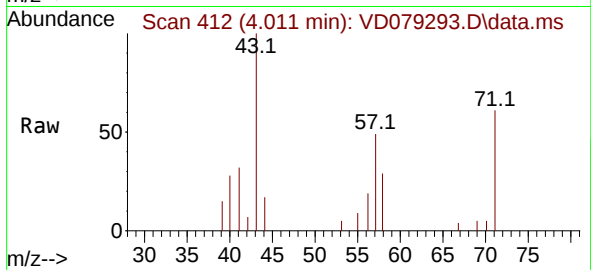




#16
Acetone
Concen: 66.372 ug/l
RT: 4.011 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

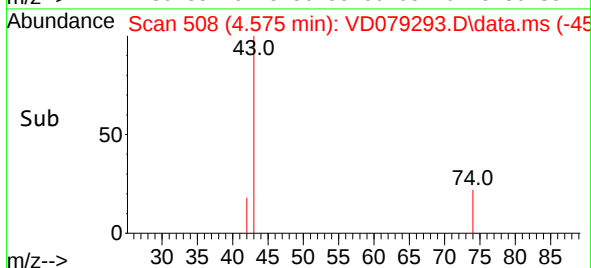
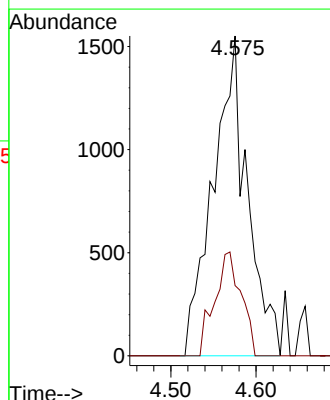
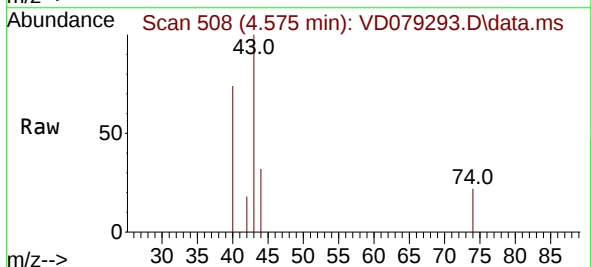
Instrument :
MSVOA_D
ClientSampleId :
VNJ-325RE

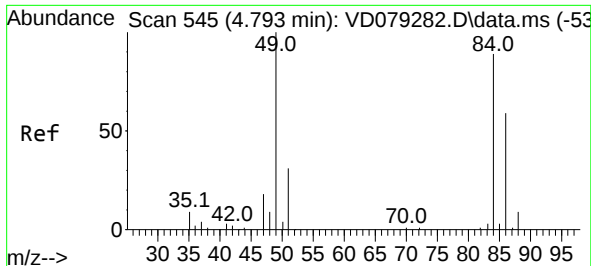
Tgt Ion: 43 Resp: 13281
Ion Ratio Lower Upper
43 100
58 28.6 30.4 45.6#



#18
Methyl Acetate
Concen: 7.447 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.018 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

Tgt Ion: 43 Resp: 4329
Ion Ratio Lower Upper
43 100
74 25.1 28.1 42.1#

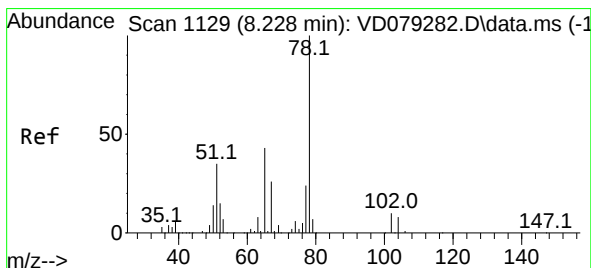
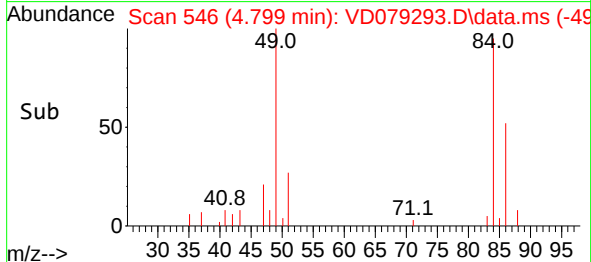
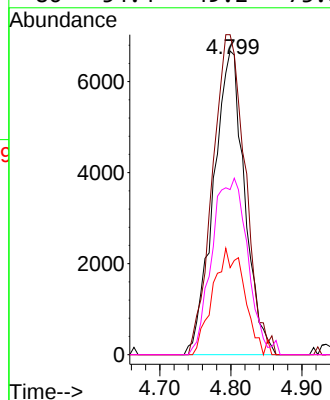
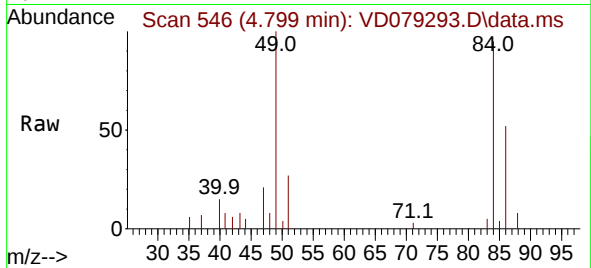




#20
Methylene Chloride
Concen: 10.322 ug/l
RT: 4.799 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

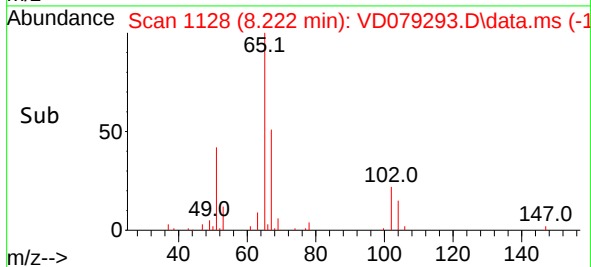
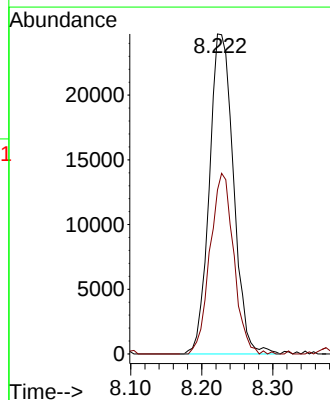
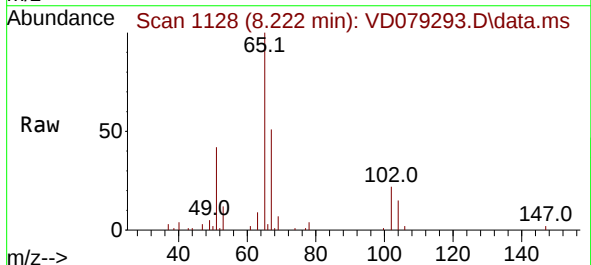
Instrument :
MSVOA_D
ClientSampleId :
VNJ-325RE

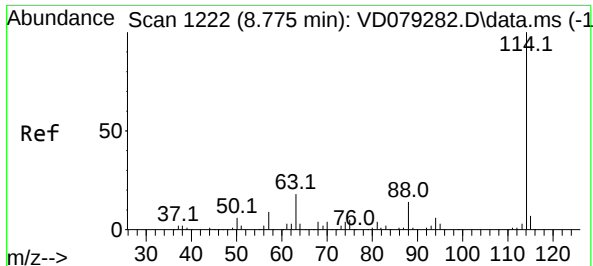
Tgt Ion: 84	Resp: 20276
Ion Ratio	Lower Upper
84 100	
49 105.3	75.6 113.4
51 28.6	24.2 36.2
86 54.4	49.2 73.8



#33
1,2-Dichloroethane-d4
Concen: 72.578 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

Tgt Ion: 65	Resp: 58315
Ion Ratio	Lower Upper
65 100	
67 55.4	0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

VNJ-325RE

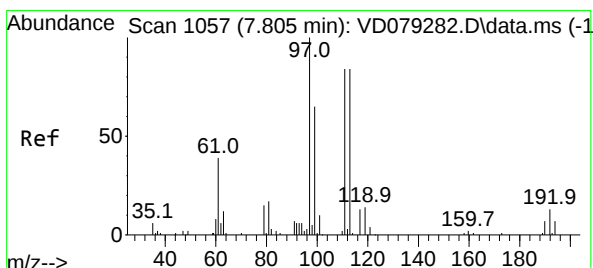
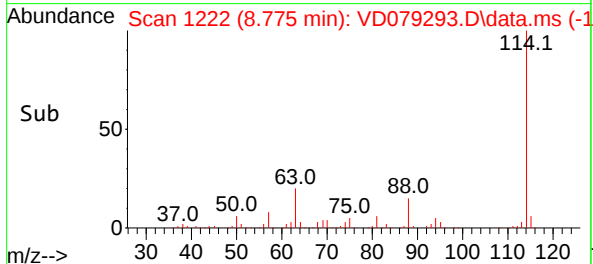
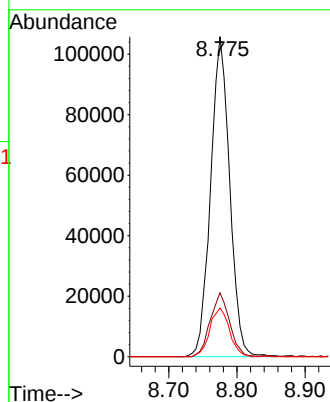
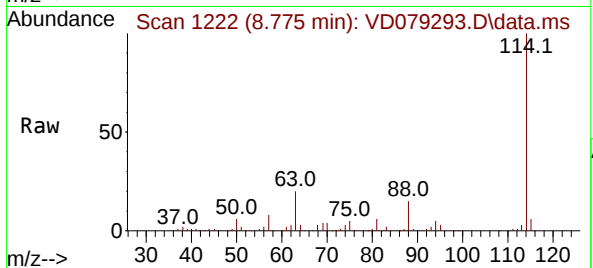
Tgt Ion:114 Resp: 205850

Ion Ratio Lower Upper

114 100

63 20.0 0.0 34.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.223 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

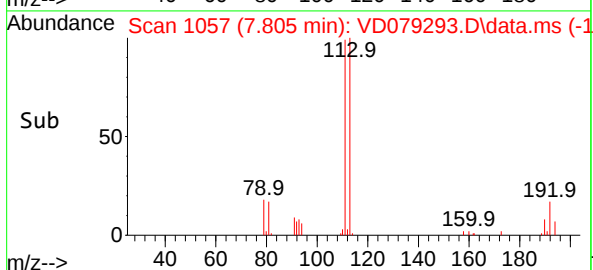
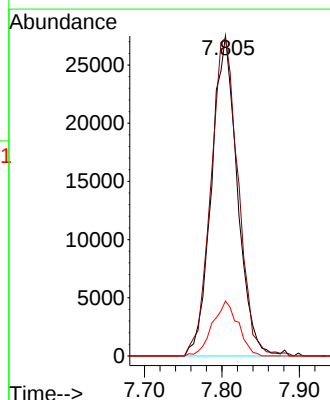
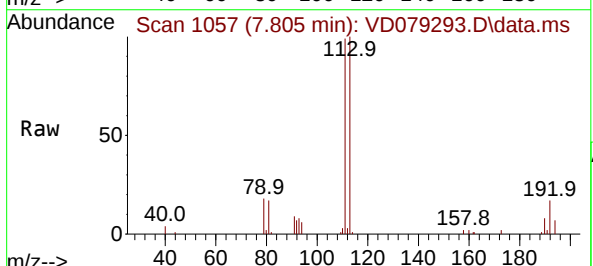
Tgt Ion:113 Resp: 63807

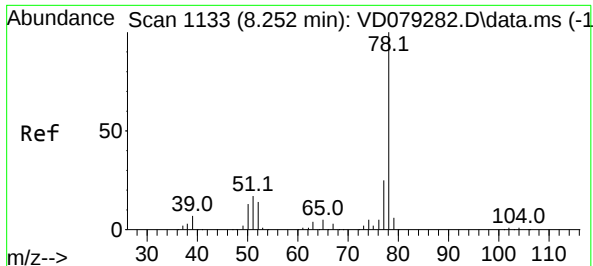
Ion Ratio Lower Upper

113 100

111 105.0 84.0 126.0

192 17.0 15.4 23.0

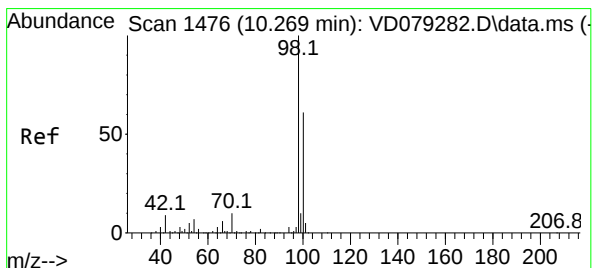
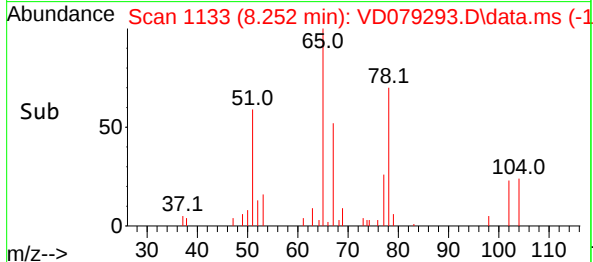
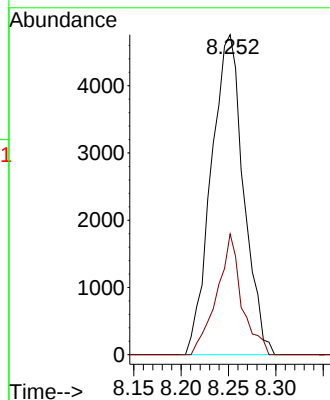
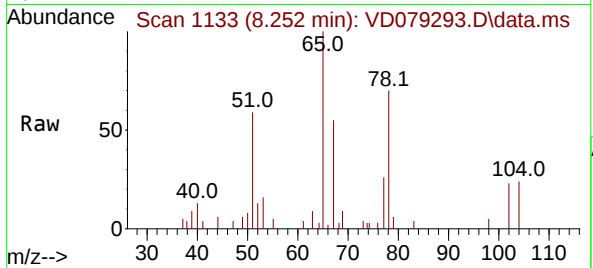




#40
Benzene
Concen: 1.728 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

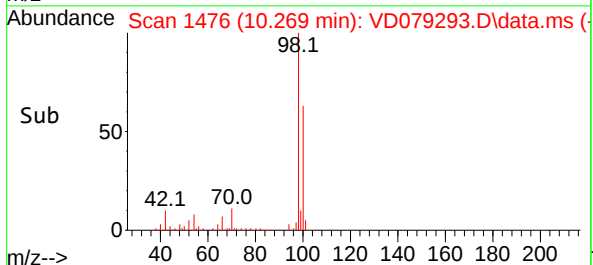
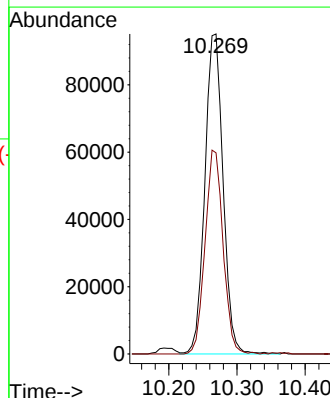
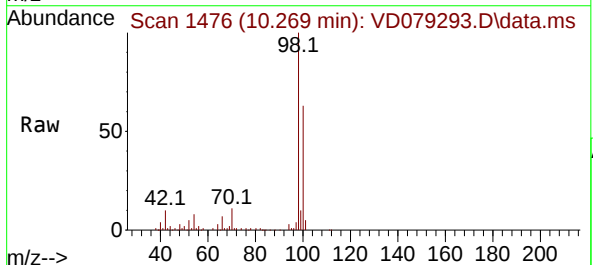
Instrument :
MSVOA_D
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VNJ-325RE

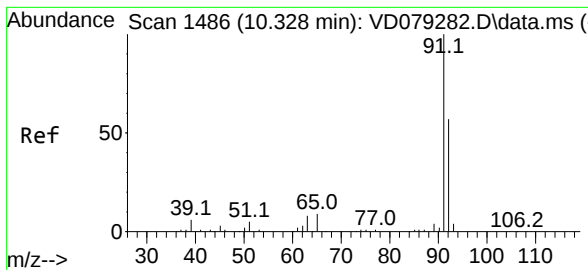
Tgt Ion: 78 Resp: 11318
Ion Ratio Lower Upper
78 100
77 37.8 18.1 27.1#



#50
Toluene-d8
Concen: 36.337 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

Tgt Ion: 98 Resp: 176632
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4





#52

Toluene

Concen: 2.148 ug/l

RT: 10.334 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

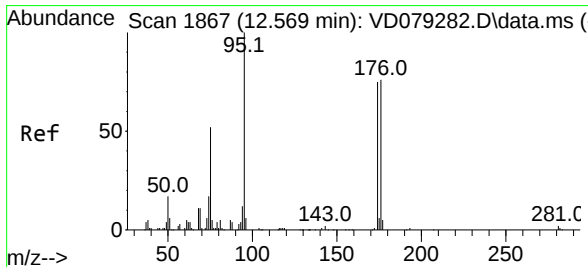
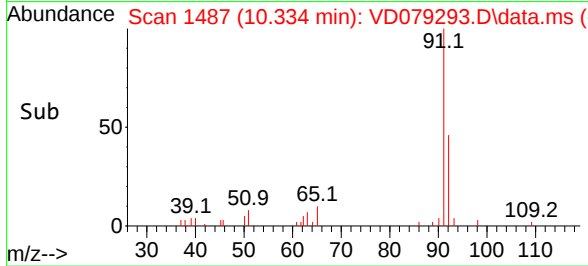
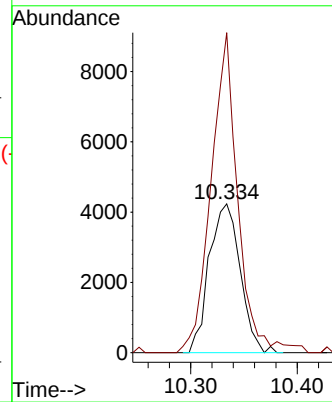
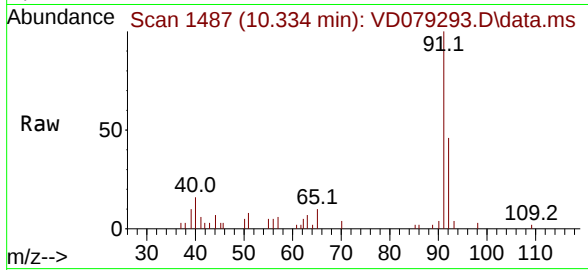
VNJ-325RE

Tgt Ion: 92 Resp: 8563

Ion Ratio Lower Upper

92 100

91 186.2 141.7 212.5



#62

4-Bromofluorobenzene

Concen: 23.006 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

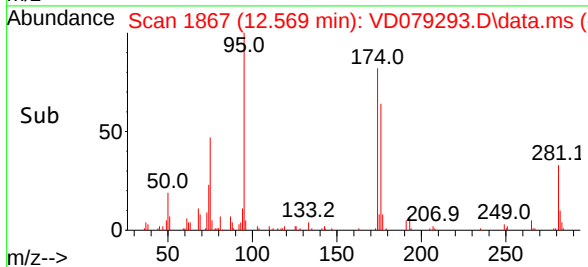
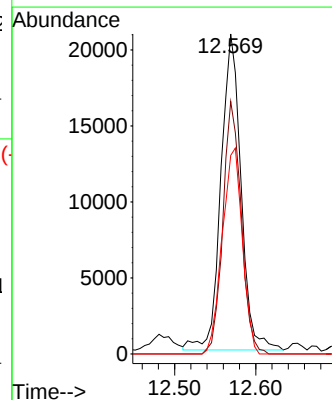
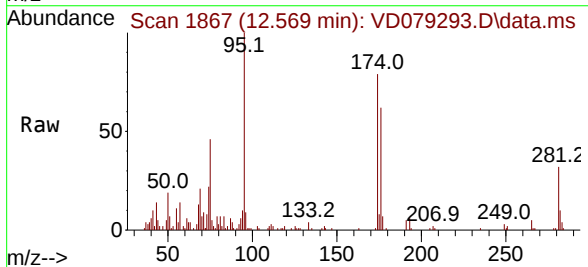
Tgt Ion: 95 Resp: 35860

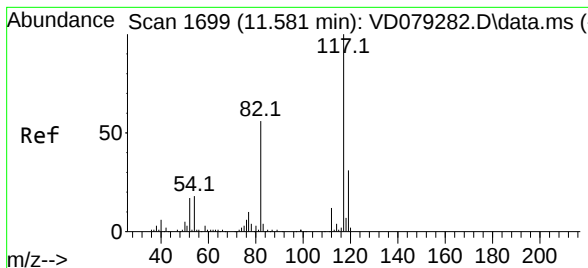
Ion Ratio Lower Upper

95 100

174 72.4 0.0 195.4

176 65.1 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

VNJ-325RE

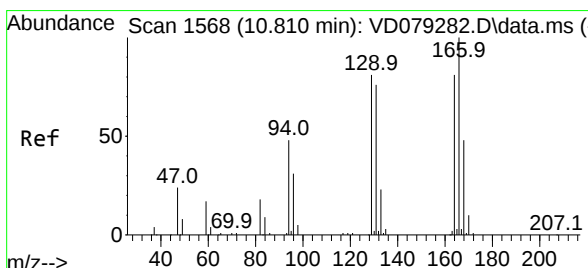
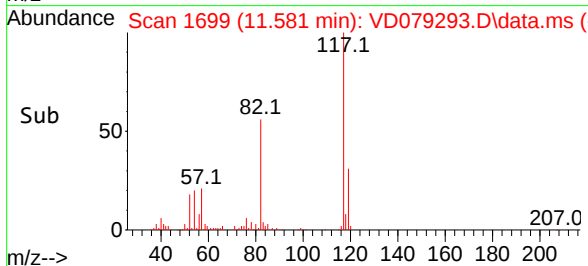
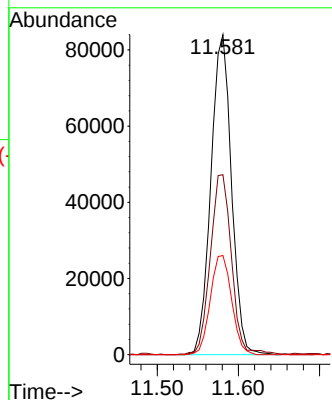
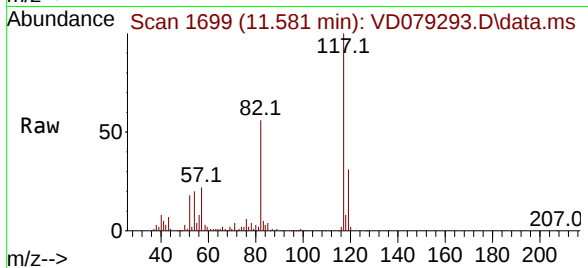
Tgt Ion:117 Resp: 147823

Ion Ratio Lower Upper

117 100

82 56.0 39.8 59.6

119 31.0 25.7 38.5



#64

Tetrachloroethene

Concen: 8.977 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Tgt Ion:164 Resp: 8268

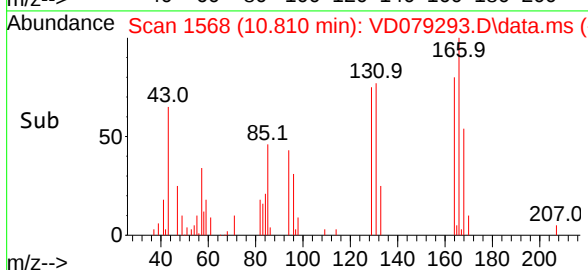
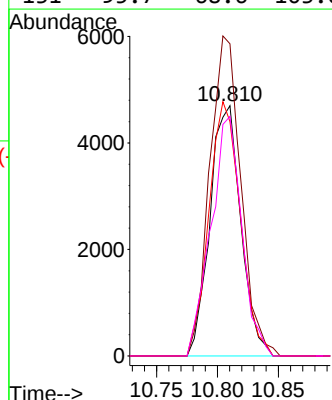
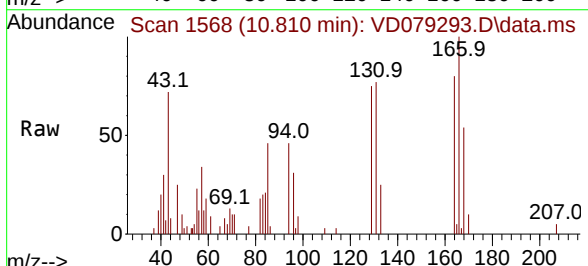
Ion Ratio Lower Upper

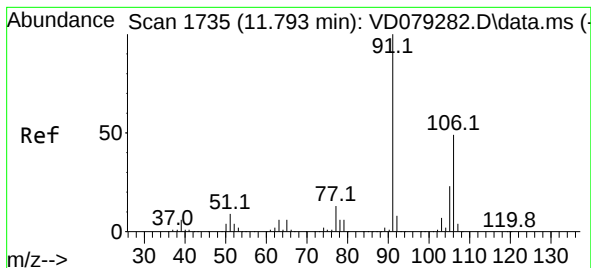
164 100

166 124.7 108.6 163.0

129 93.6 74.6 112.0

131 95.7 68.6 103.0

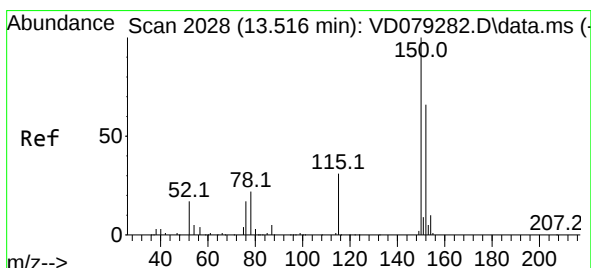
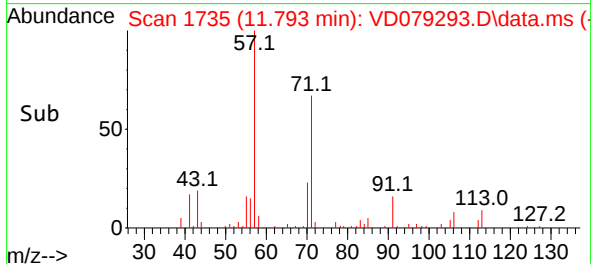
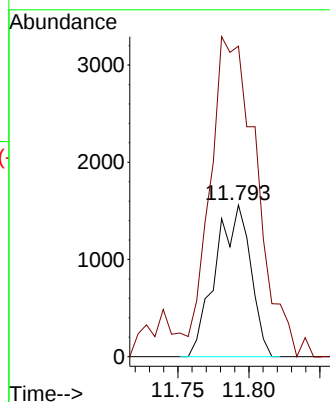
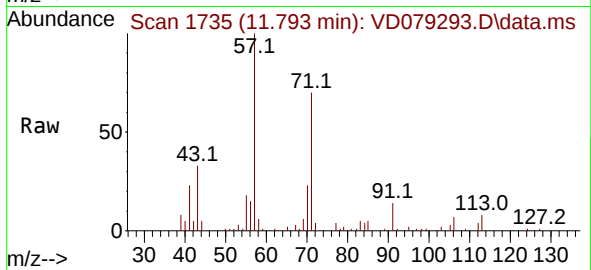




#68
m/p-Xylenes
Concen: 1.211 ug/l
RT: 11.793 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

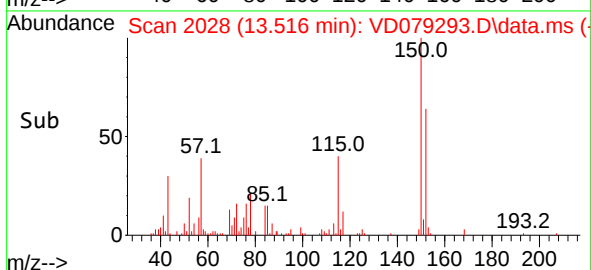
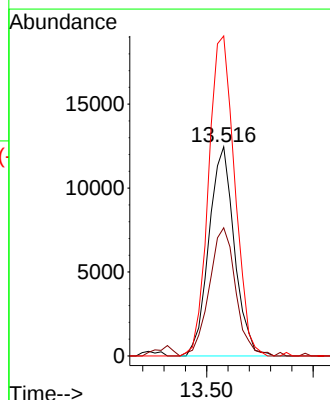
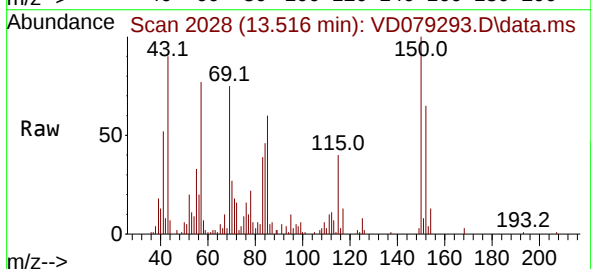
Instrument :
MSVOA_D
ClientSampleId :
VNJ-325RE

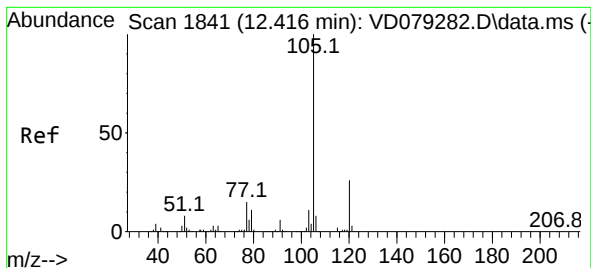
Tgt Ion:106 Resp: 2681
Ion Ratio Lower Upper
106 100
91 278.2 148.5 222.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079293.D
Acq: 01 Jul 2024 13:56

Tgt Ion:152 Resp: 20698
Ion Ratio Lower Upper
152 100
115 63.9 26.5 79.5
150 156.8 0.0 341.6





#73

Isopropylbenzene

Concen: 2.067 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

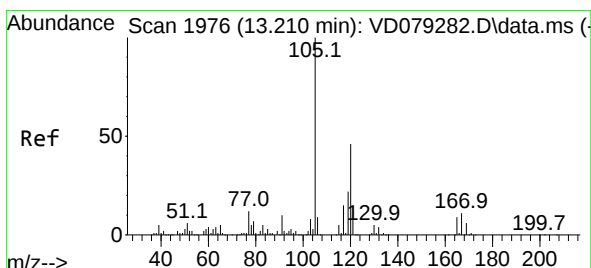
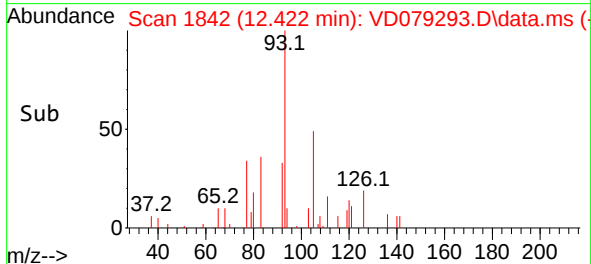
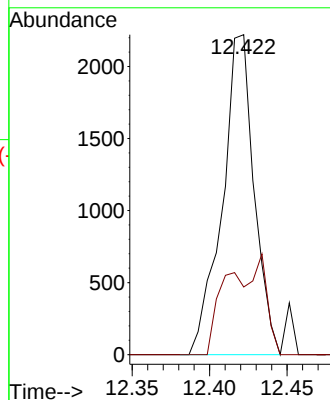
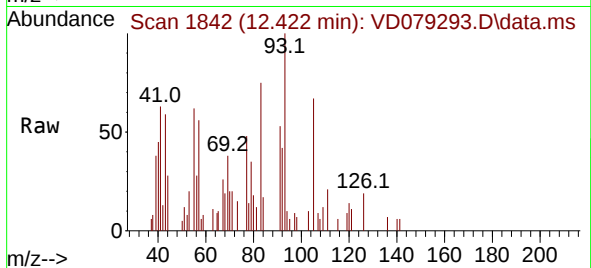
VNJ-325RE

Tgt Ion:105 Resp: 3181

Ion Ratio Lower Upper

105 100

120 37.6 13.6 40.7



#84

1,2,4-Trimethylbenzene

Concen: 2.899 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079293.D

Acq: 01 Jul 2024 13:56

Tgt Ion:105 Resp: 3780

Ion Ratio Lower Upper

105 100

120 45.6 23.6 71.0

