

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075668.D
 Acq On : 13 Apr 2023 19:04
 Operator : KP/SY
 Sample : 02305-01
 Misc : 6.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-232

Quant Time: Apr 14 01:36:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

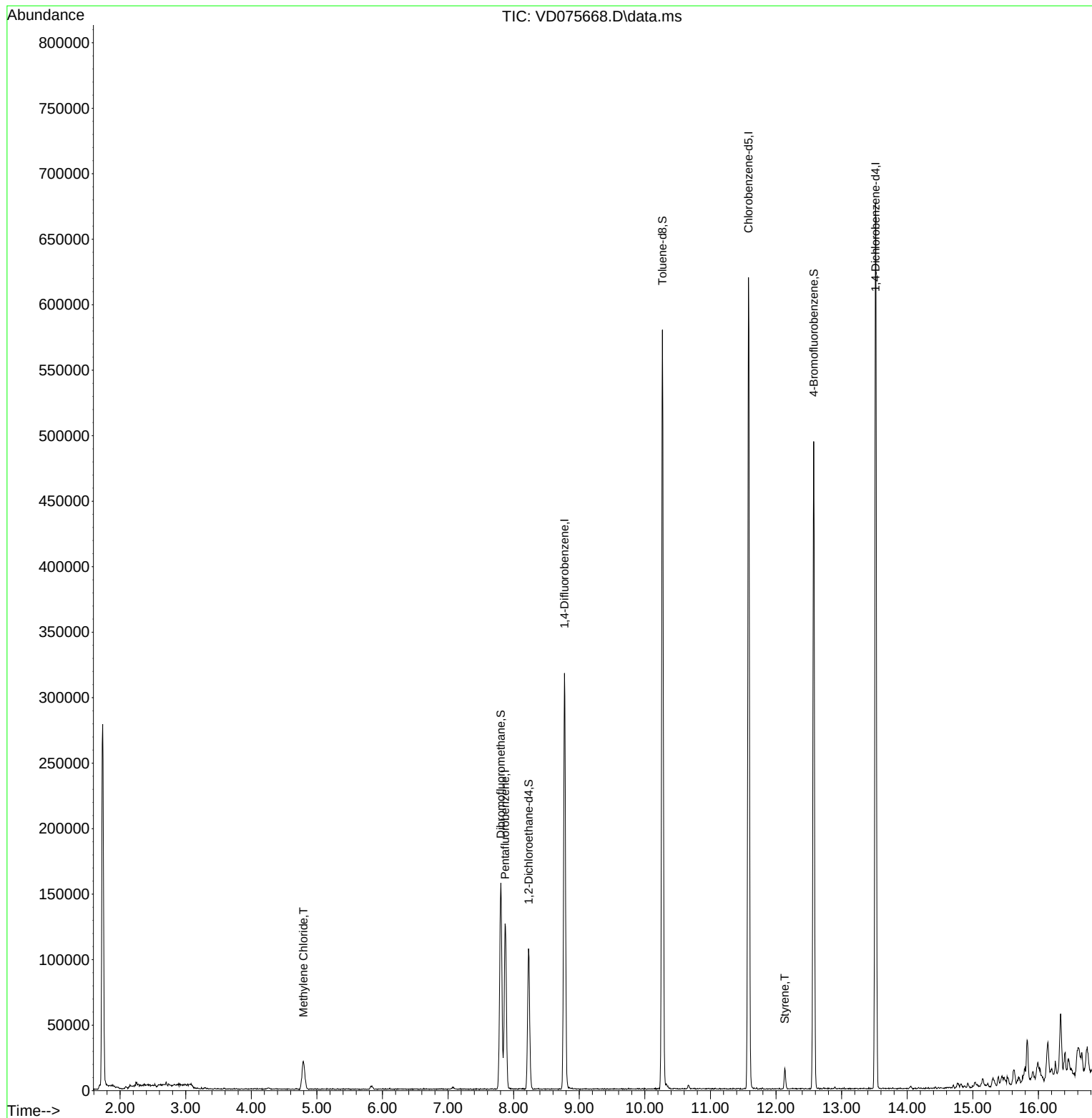
Internal Standards						
1) Pentafluorobenzene	7.869	168	105021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	305425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	391616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	193396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79704	79.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.920%
35) Dibromofluoromethane	7.804	113	119377	58.111	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.220%
50) Toluene-d8	10.269	98	426945	51.898	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.800%
62) 4-Bromofluorobenzene	12.575	95	157978	72.248	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	144.500%#
Target Compounds						
						Qvalue
20) Methylene Chloride	4.793	84	18860	9.626	ug/l #	77
70) Styrene	12.134	104	8802	1.405	ug/l #	81

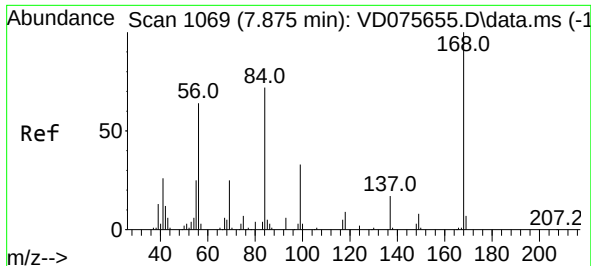
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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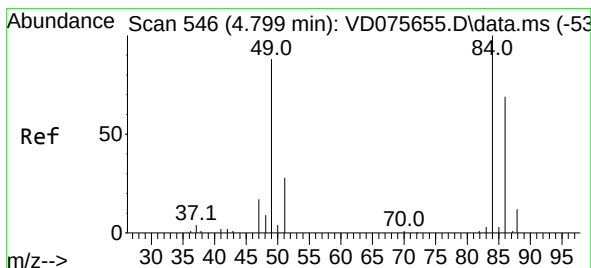
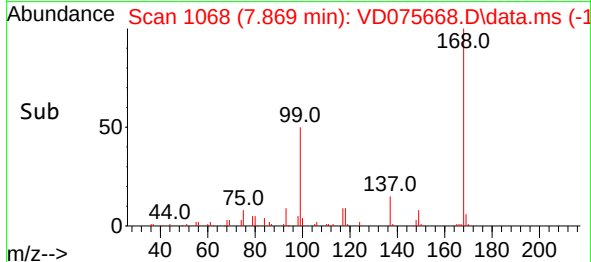
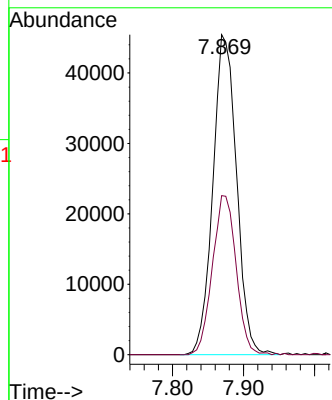
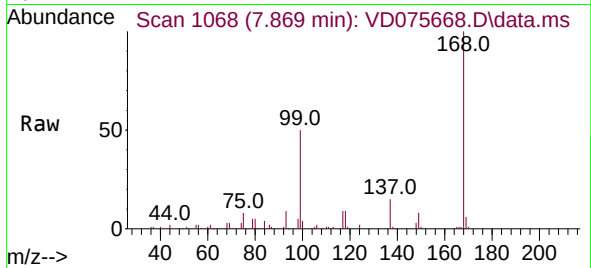




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075668.D
Acq: 13 Apr 2023 19:04

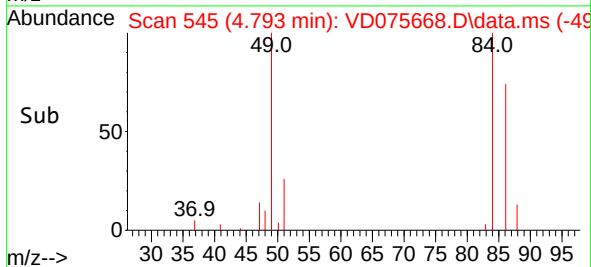
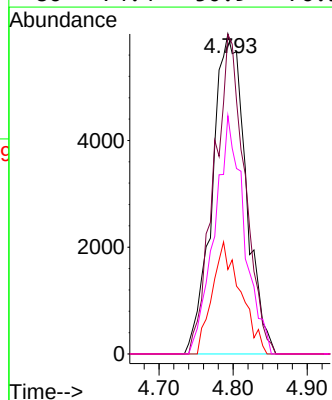
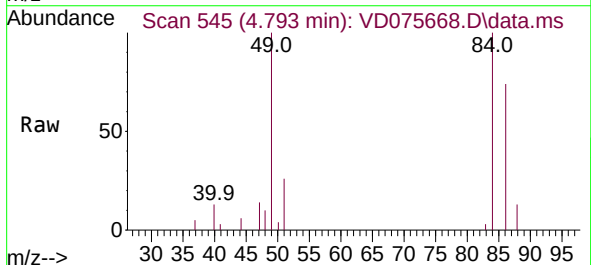
Instrument :
MSVOA_D
ClientSampleId :
VNJ-232

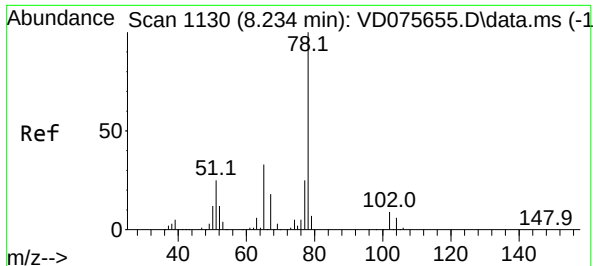
Tgt Ion:168 Resp: 105021
Ion Ratio Lower Upper
168 100
99 49.7 43.8 65.6



#20
Methylene Chloride
Concen: 9.626 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD075668.D
Acq: 13 Apr 2023 19:04

Tgt Ion: 84 Resp: 18860
Ion Ratio Lower Upper
84 100
49 99.8 106.4 159.6#
51 26.4 32.4 48.6#
86 74.4 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 79.956 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075668.D

Acq: 13 Apr 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

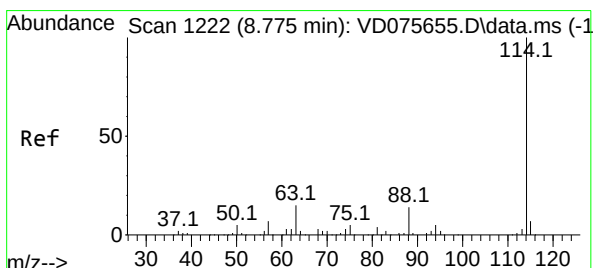
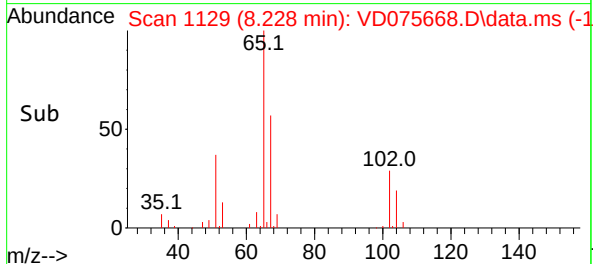
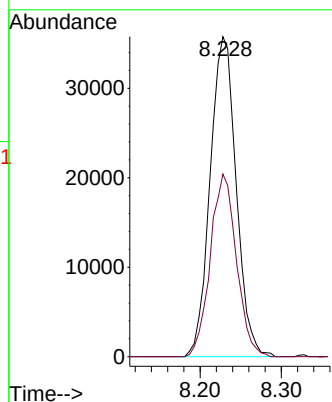
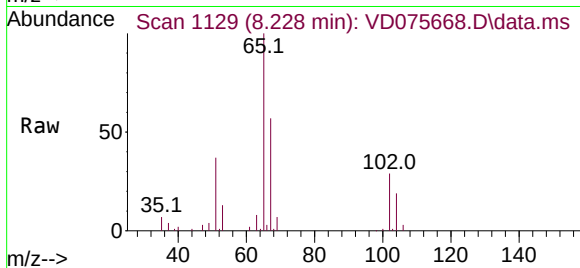
VNJ-232

Tgt Ion: 65 Resp: 79704

Ion Ratio Lower Upper

65 100

67 57.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075668.D

Acq: 13 Apr 2023 19:04

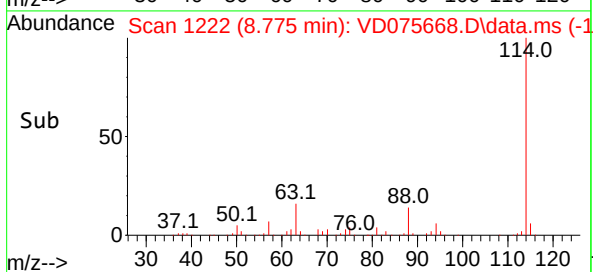
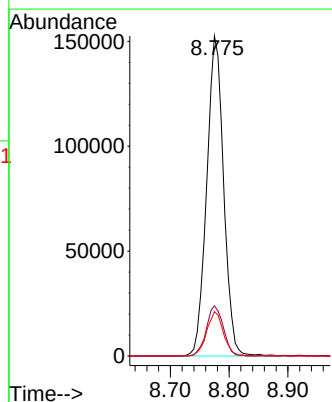
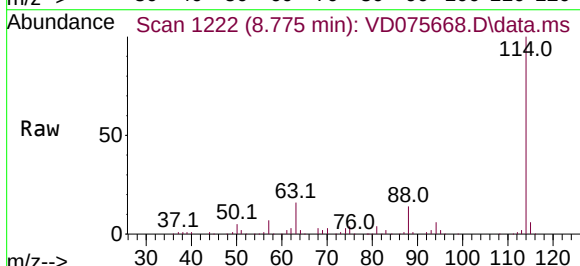
Tgt Ion: 114 Resp: 305425

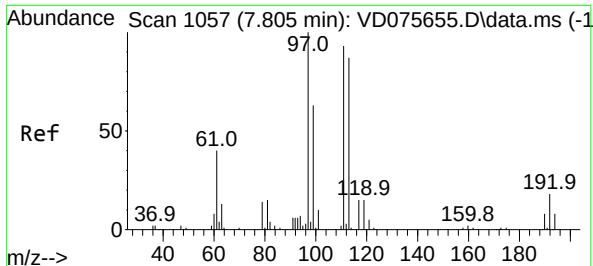
Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 13.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.111 ug/l

RT: 7.804 min Scan# 11

Delta R.T. -0.001 min

Lab File: VD075668.D

Acq: 13 Apr 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

VNJ-232

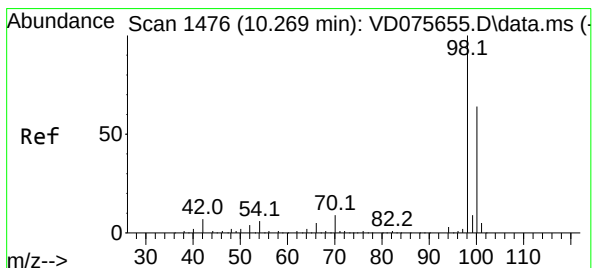
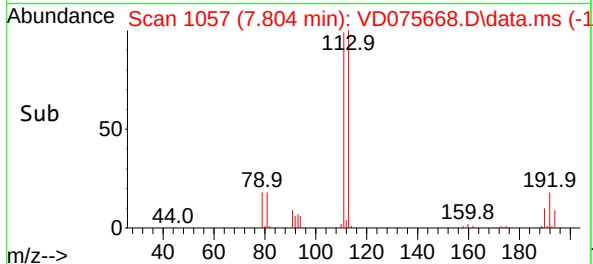
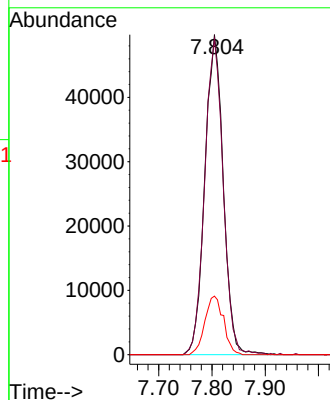
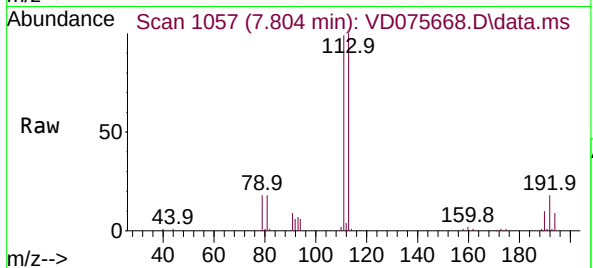
Tgt Ion:113 Resp: 119377

Ion Ratio Lower Upper

113 100

111 99.1 81.4 122.0

192 18.5 15.2 22.8



#50

Toluene-d8

Concen: 51.898 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075668.D

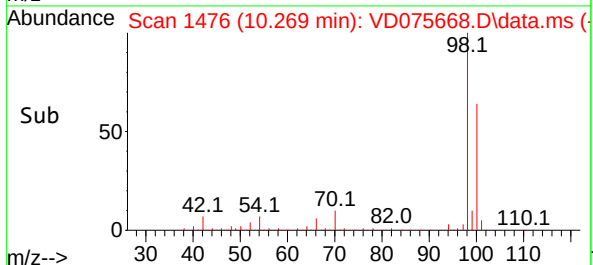
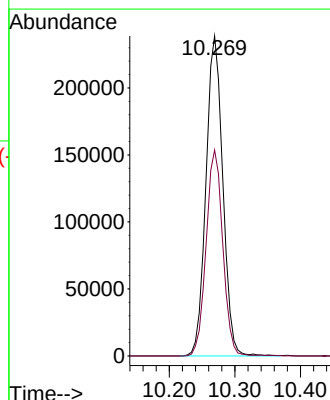
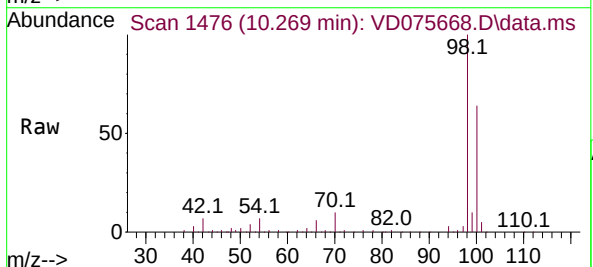
Acq: 13 Apr 2023 19:04

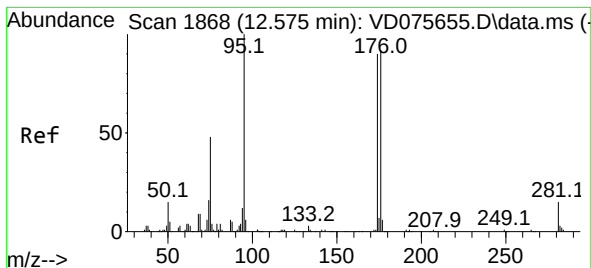
Tgt Ion: 98 Resp: 426945

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1

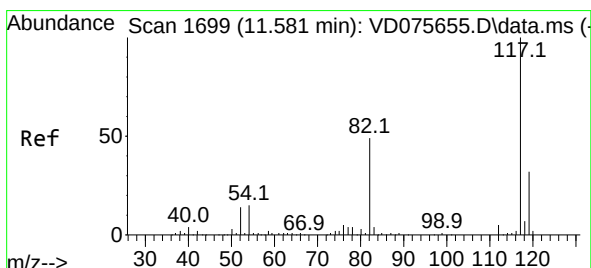
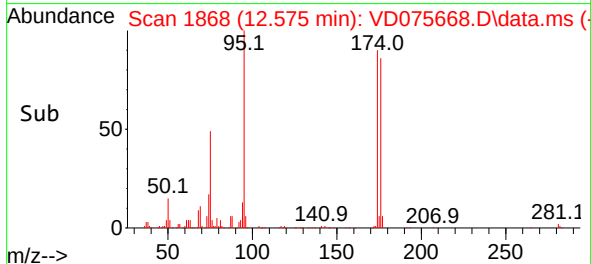
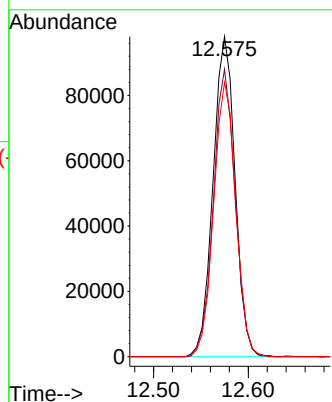
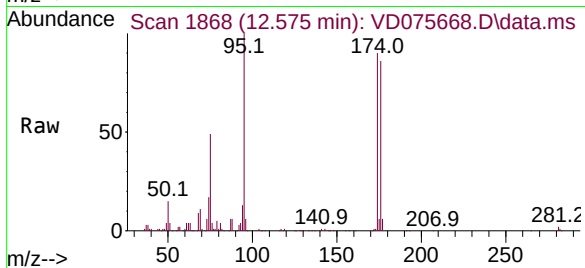




#62
4-Bromofluorobenzene
Concen: 72.248 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075668.D
Acq: 13 Apr 2023 19:04

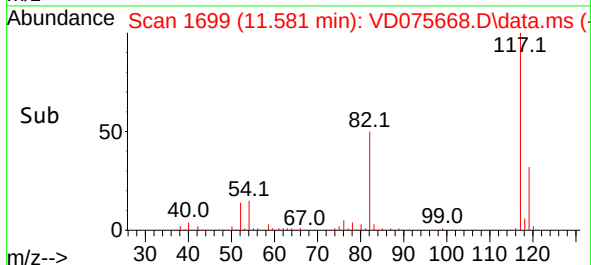
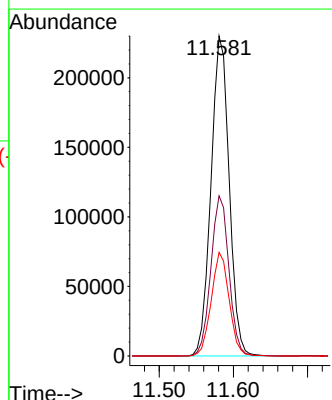
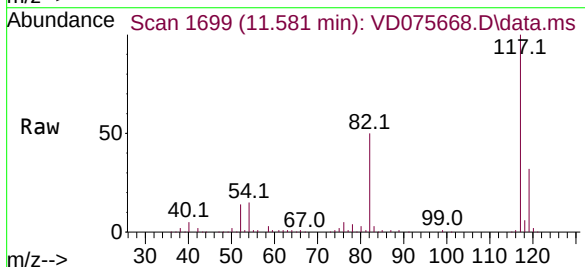
Instrument :
MSVOA_D
ClientSampleId :
VNJ-232

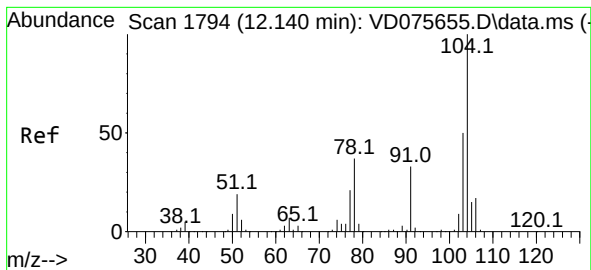
Tgt Ion: 95 Resp: 157978
Ion Ratio Lower Upper
95 100
174 89.4 0.0 164.0
176 86.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075668.D
Acq: 13 Apr 2023 19:04

Tgt Ion: 117 Resp: 391616
Ion Ratio Lower Upper
117 100
82 50.1 44.0 66.0
119 32.4 25.1 37.7





#70

Styrene

Concen: 1.405 ug/l

RT: 12.134 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075668.D

Acq: 13 Apr 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

VNJ-232

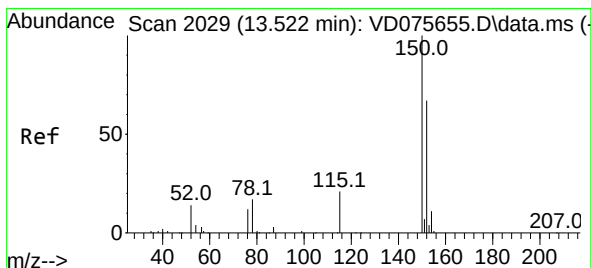
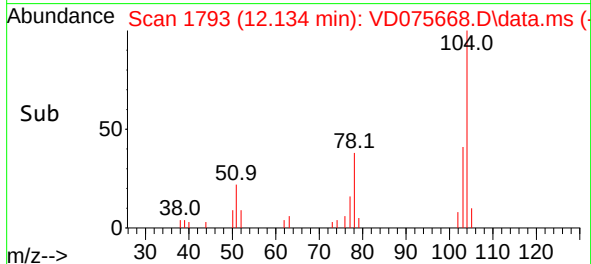
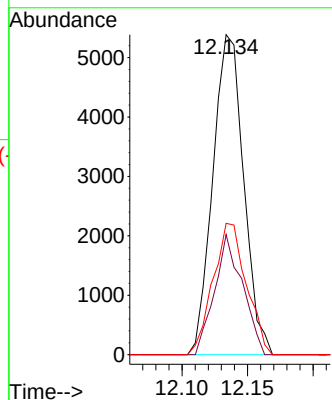
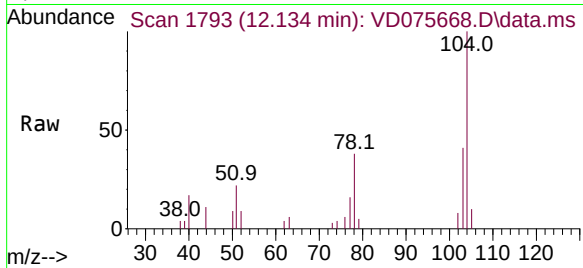
Tgt Ion:104 Resp: 8802

Ion Ratio Lower Upper

104 100

78 34.0 40.2 60.4#

103 44.4 44.2 66.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD075668.D

Acq: 13 Apr 2023 19:04

Tgt Ion:152 Resp: 193396

Ion Ratio Lower Upper

152 100

115 55.4 30.1 90.3

150 158.0 0.0 364.8

