

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077373.D
 Acq On : 20 Oct 2023 19:08
 Operator : JC/SY
 Sample : 04936-07RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1084RE

Quant Time: Oct 21 05:32:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

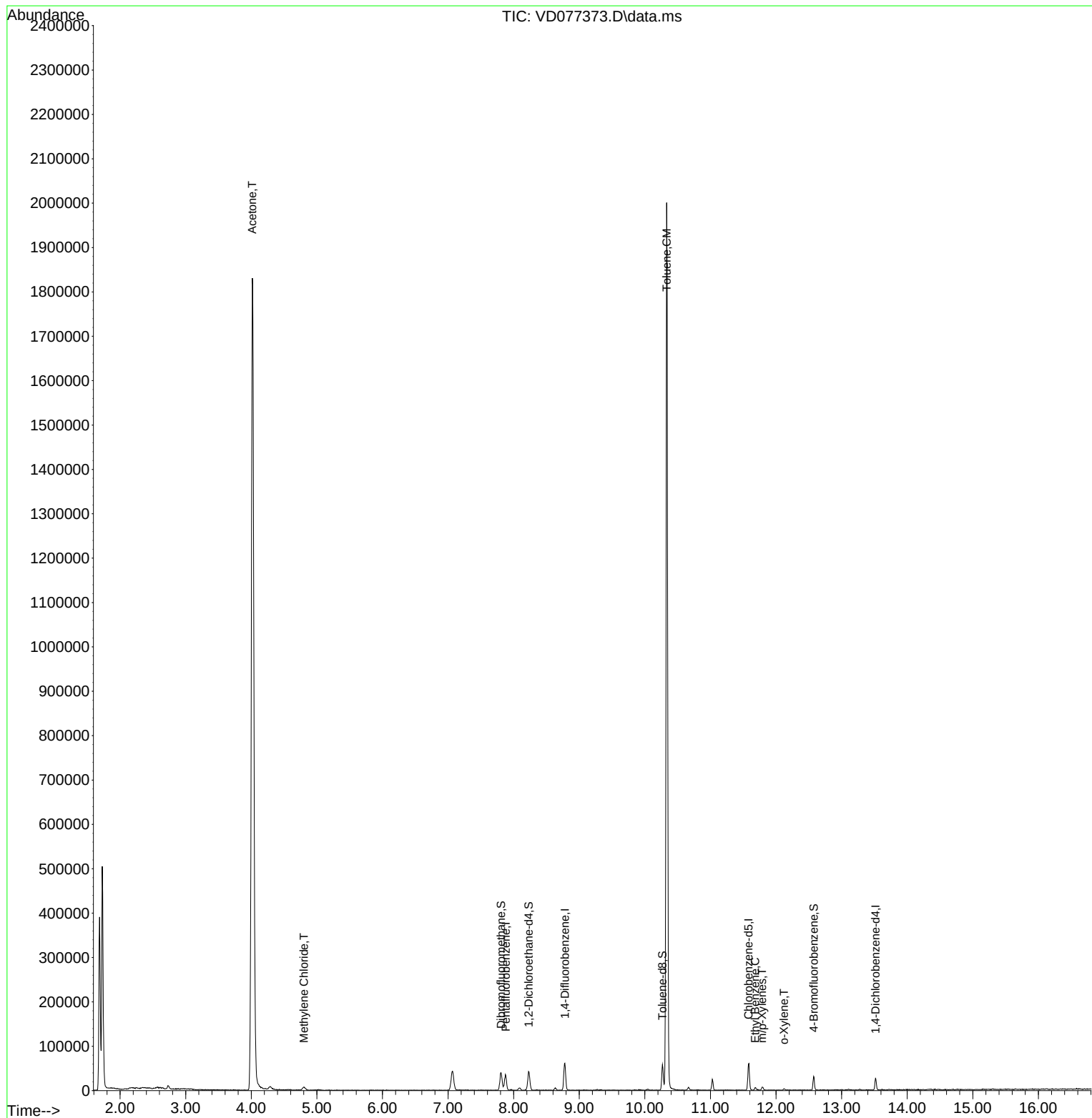
Internal Standards						
1) Pentafluorobenzene	7.881	168	25549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	58164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	38353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	7720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	31867	139.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 279.360%#	
35) Dibromofluoromethane	7.810	113	29583	72.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 144.800%	
50) Toluene-d8	10.269	98	41039	28.043	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 56.080%#	
62) 4-Bromofluorobenzene	12.575	95	8446	20.049	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 40.100%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	2967350	59314.092	ug/l	97
20) Methylene Chloride	4.805	84	6440	18.239	ug/l #	87
52) Toluene	10.334	92	859139	807.556	ug/l	97
67) Ethyl Benzene	11.681	91	4417	3.187	ug/l #	85
68) m/p-Xylenes	11.787	106	2489	4.374	ug/l	100
69) o-Xylene	12.122	106	933	1.781	ug/l	88

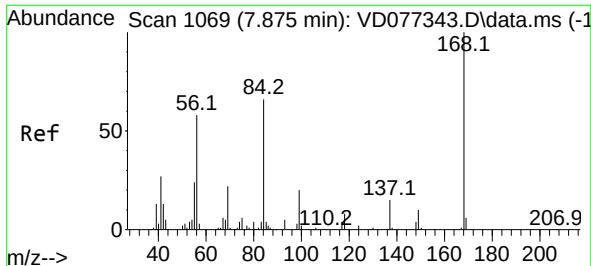
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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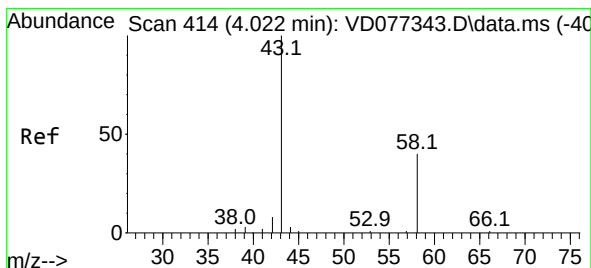
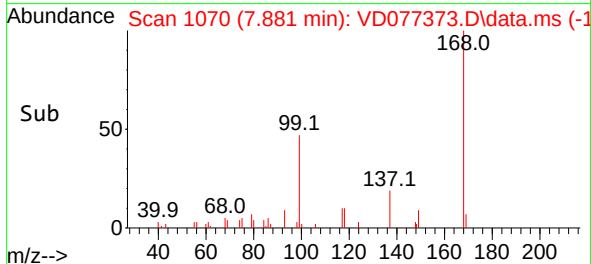
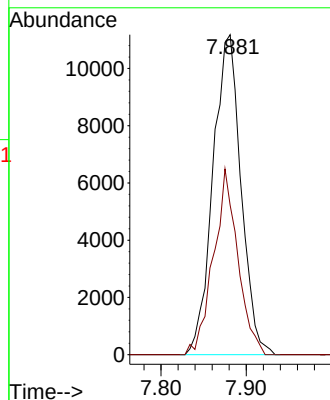
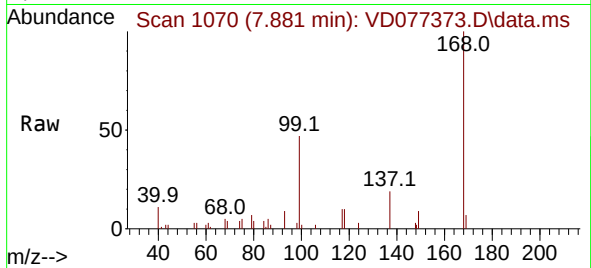




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

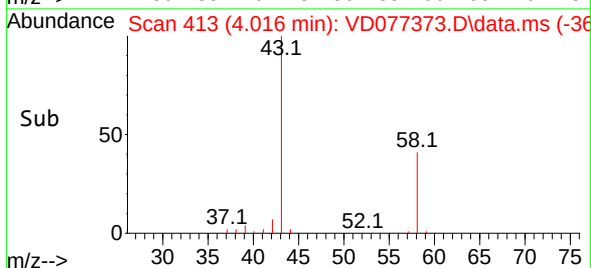
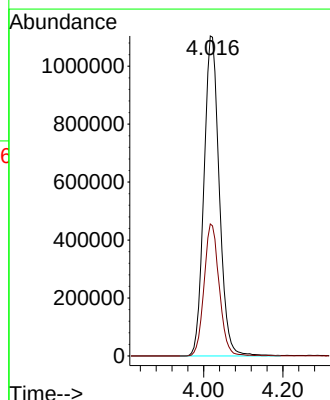
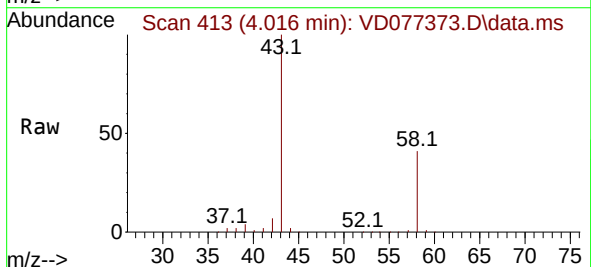
Instrument :
MSVOA_D
ClientSampleId :
1084RE

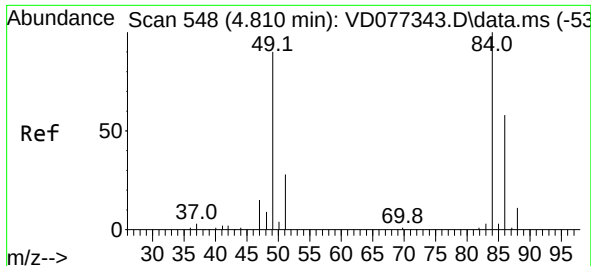
Tgt Ion:168 Resp: 25549
Ion Ratio Lower Upper
168 100
99 46.7 36.7 55.1



#16
Acetone
Concen: 59314.092 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

Tgt Ion: 43 Resp: 2967350
Ion Ratio Lower Upper
43 100
58 41.2 34.7 52.1

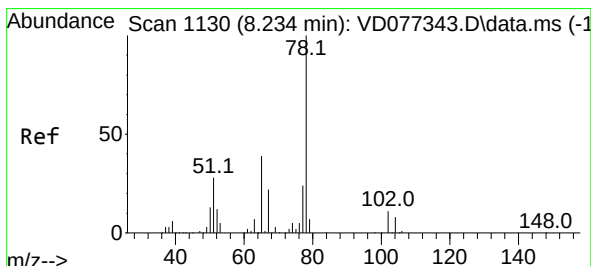
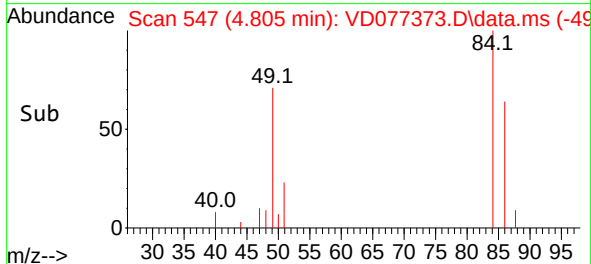
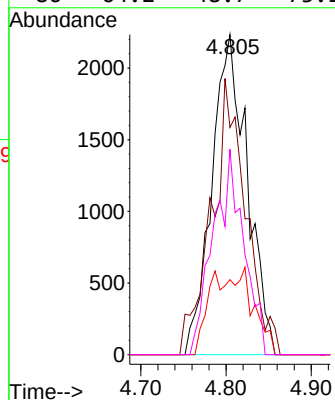
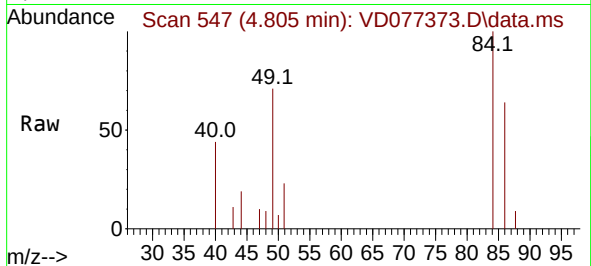




#20
Methylene Chloride
Concen: 18.239 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

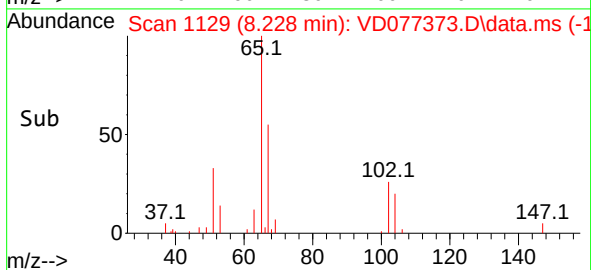
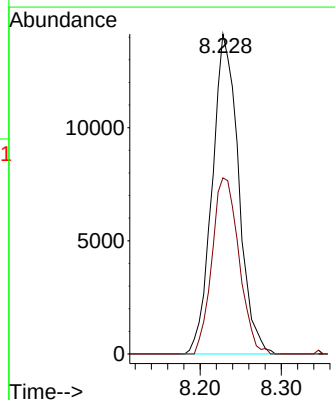
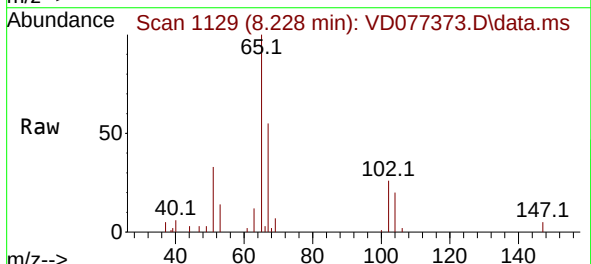
Instrument :
MSVOA_D
ClientSampleId :
1084RE

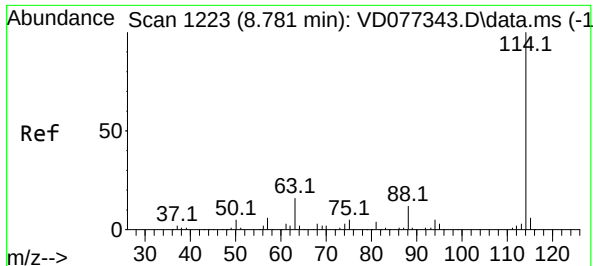
Tgt Ion: 84 Resp: 6440
Ion Ratio Lower Upper
84 100
49 71.0 71.4 107.2#
51 23.5 24.5 36.7#
86 64.2 48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 139.683 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

Tgt Ion: 65 Resp: 31867
Ion Ratio Lower Upper
65 100
67 56.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :

1084RE

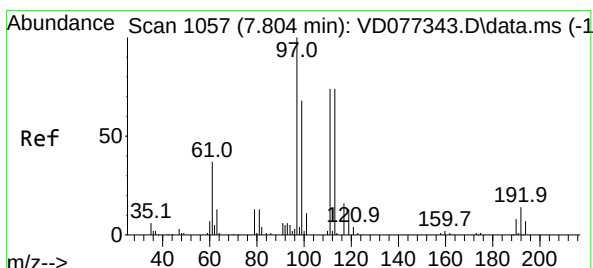
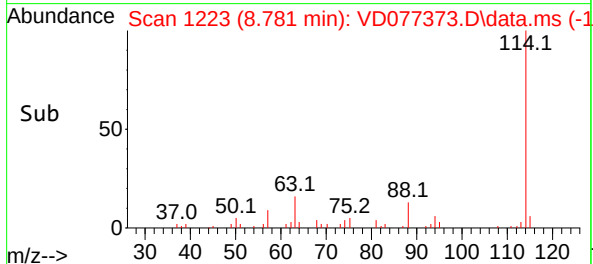
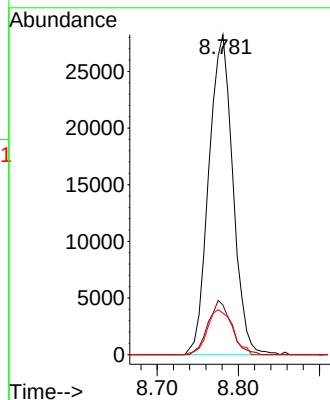
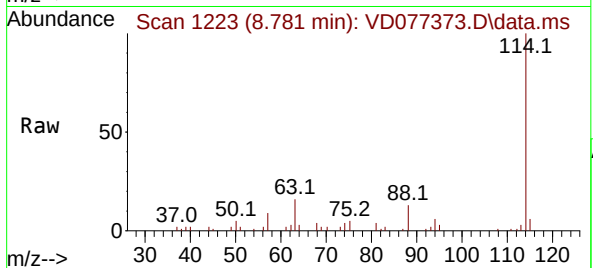
Tgt Ion:114 Resp: 58164

Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 72.396 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

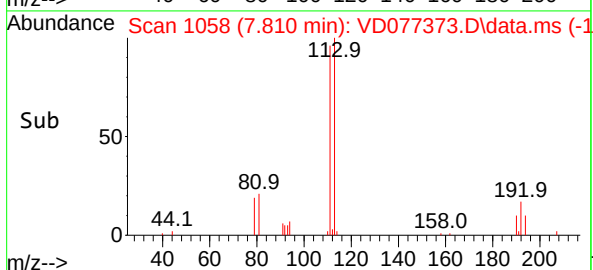
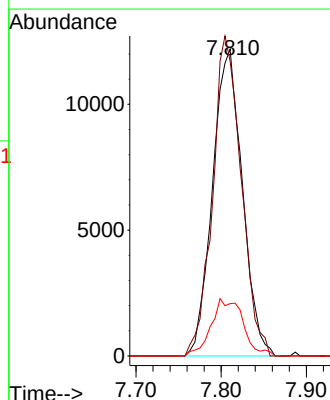
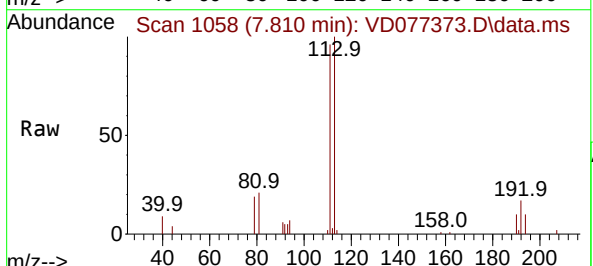
Tgt Ion:113 Resp: 29583

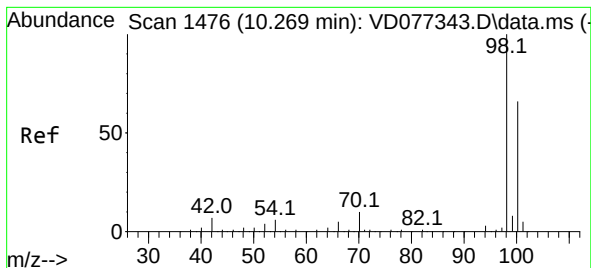
Ion Ratio Lower Upper

113 100

111 100.2 84.7 127.1

192 19.9 16.8 25.2





#50

Toluene-d8

Concen: 28.043 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :

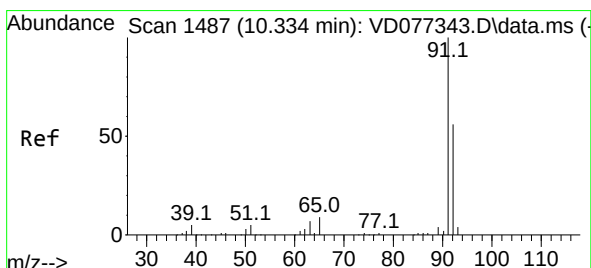
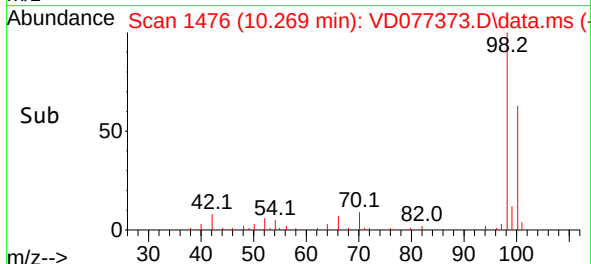
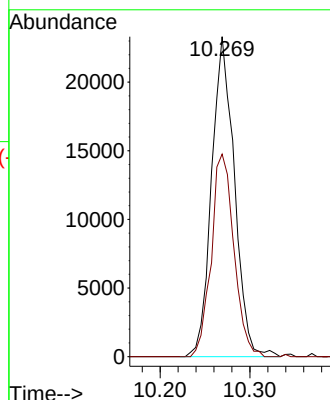
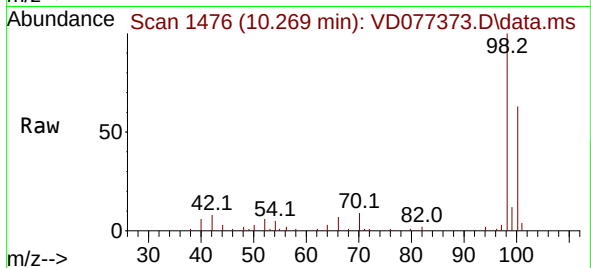
1084RE

Tgt Ion: 98 Resp: 41039

Ion Ratio Lower Upper

98 100

100 63.1 50.3 75.5



#52

Toluene

Concen: 807.556 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077373.D

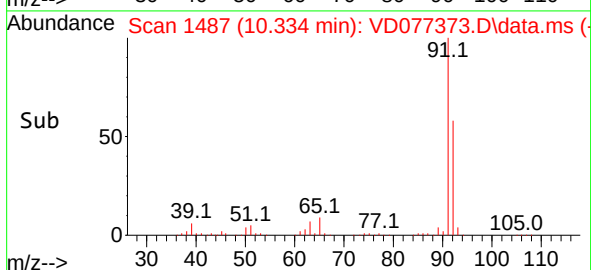
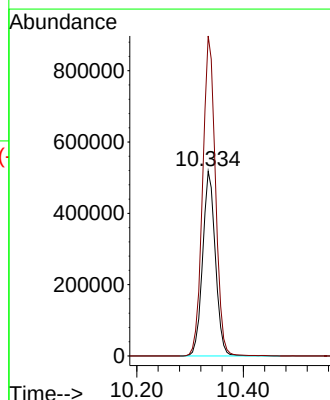
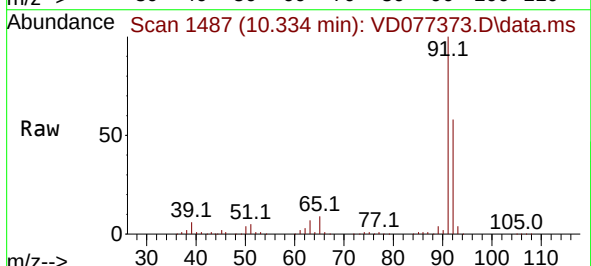
Acq: 20 Oct 2023 19:08

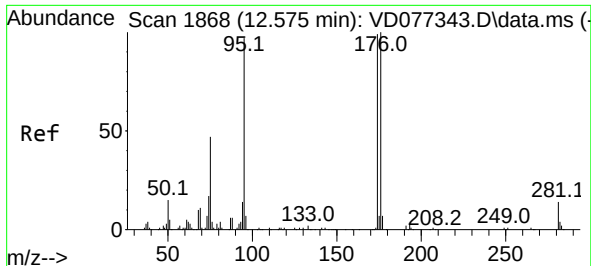
Tgt Ion: 92 Resp: 859139

Ion Ratio Lower Upper

92 100

91 174.4 143.0 214.4

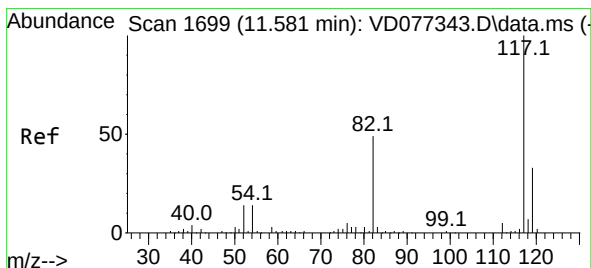
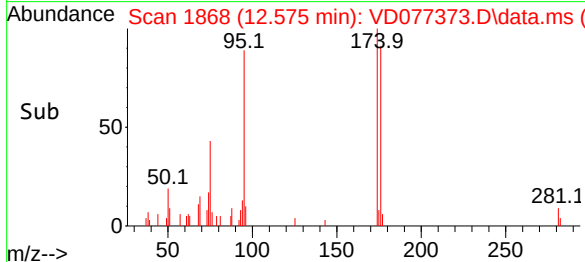
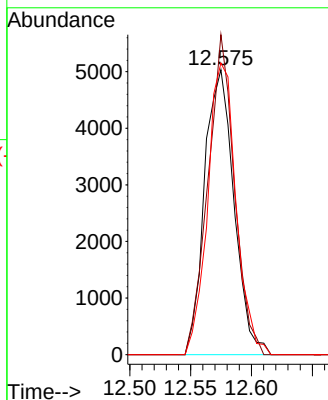
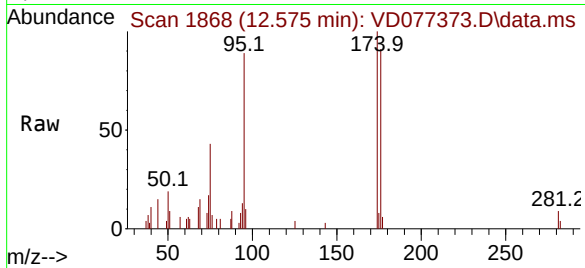




#62
4-Bromofluorobenzene
Concen: 20.049 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

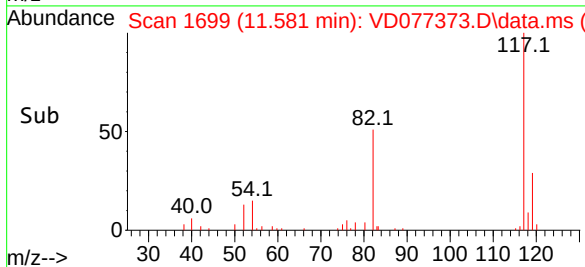
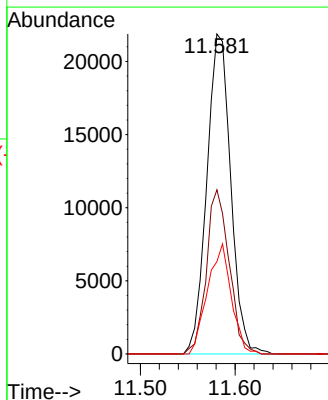
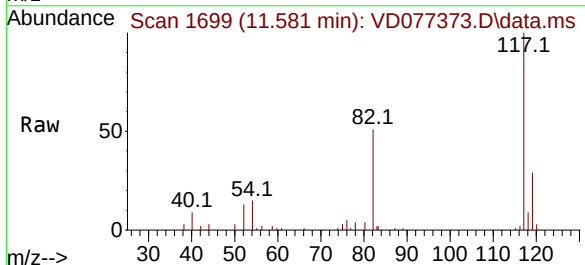
Instrument :
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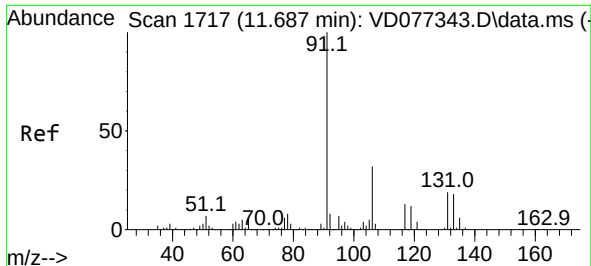
Tgt Ion:	95	Resp:	8446
Ion	Ratio	Lower	Upper
95	100		
174	101.6	0.0	201.8
176	99.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077373.D
Acq: 20 Oct 2023 19:08

Tgt Ion:	117	Resp:	38353
Ion	Ratio	Lower	Upper
117	100		
82	51.3	38.3	57.5
119	28.9	25.0	37.4





#67

Ethyl Benzene

Concen: 3.187 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :

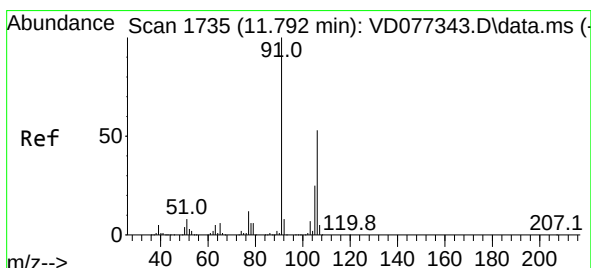
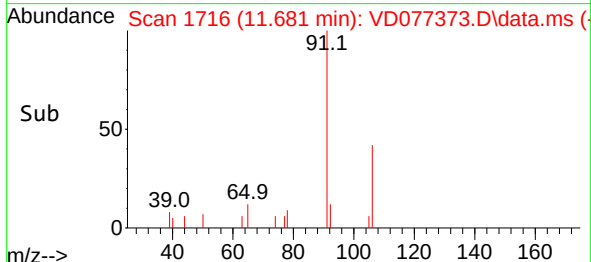
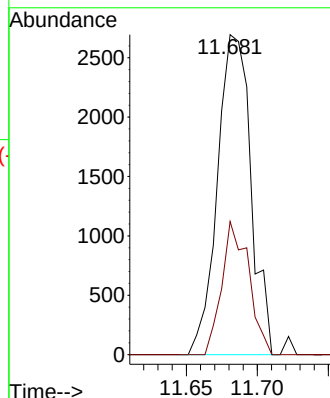
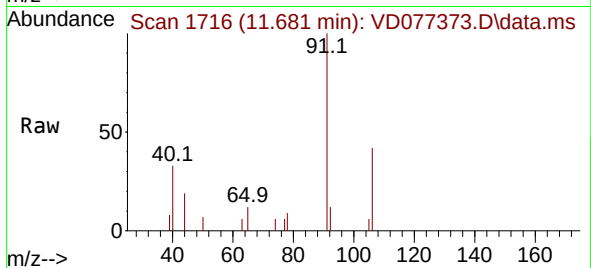
1084RE

Tgt Ion: 91 Resp: 4417

Ion Ratio Lower Upper

91 100

106 41.6 26.5 39.7#



#68

m/p-Xylenes

Concen: 4.374 ug/l

RT: 11.787 min Scan# 1734

Delta R.T. -0.005 min

Lab File: VD077373.D

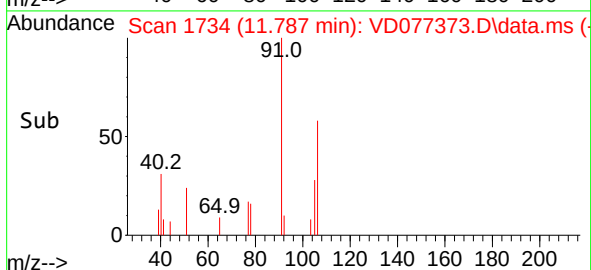
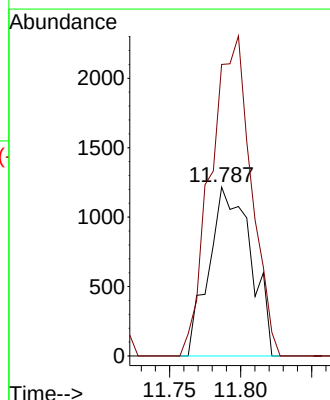
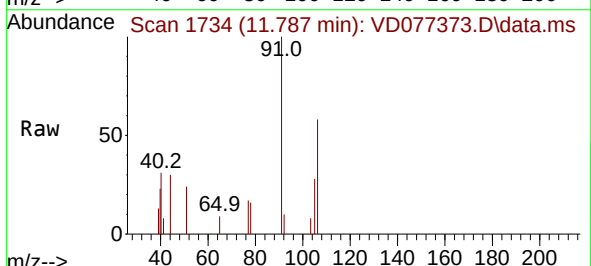
Acq: 20 Oct 2023 19:08

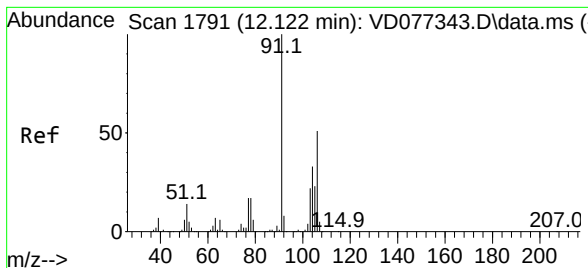
Tgt Ion: 106 Resp: 2489

Ion Ratio Lower Upper

106 100

91 183.9 147.0 220.6





#69

o-Xylene

Concen: 1.781 ug/l

RT: 12.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

Instrument :

MSVOA_D

ClientSampleId :

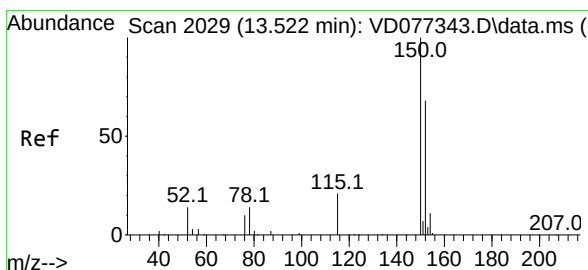
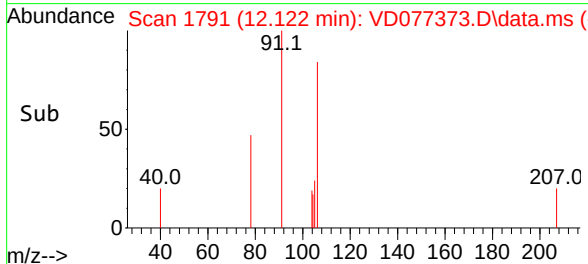
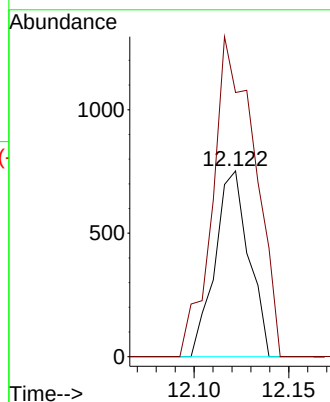
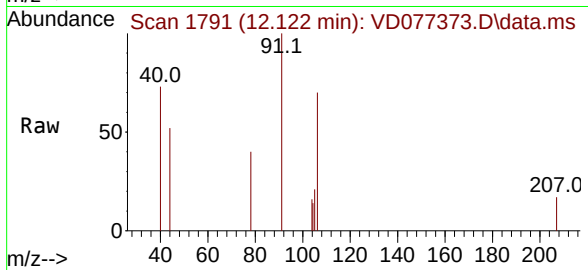
1084RE

Tgt Ion:106 Resp: 933

Ion Ratio Lower Upper

106 100

91 214.4 97.9 293.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD077373.D

Acq: 20 Oct 2023 19:08

Tgt Ion:152 Resp: 7720

Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 149.8 0.0 353.6

