

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077827.D
 Acq On : 11 Dec 2023 22:25
 Operator : JC/SY
 Sample : 05740-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24328

Quant Time: Dec 12 00:53:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

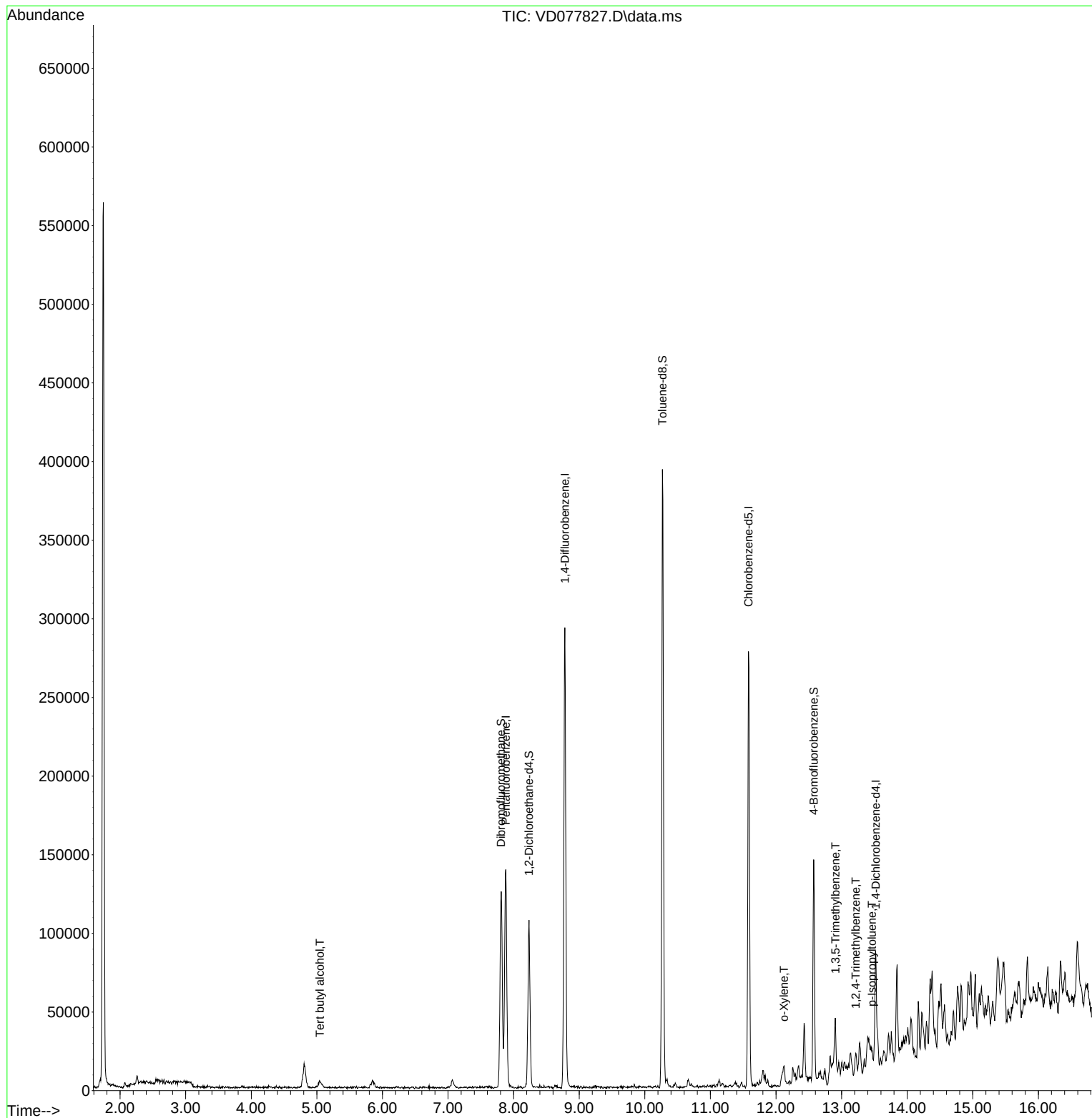
Internal Standards						
1) Pentafluorobenzene	7.881	168	110266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	257766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	20305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77811	59.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.780%
35) Dibromofluoromethane	7.810	113	92079	50.997	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.269	98	274417	37.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.900%
62) 4-Bromofluorobenzene	12.575	95	40491	18.728	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	8045	122.842	ug/l #	89
69) o-Xylene	12.122	106	2921	1.200	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	6345	4.943	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	6599	5.140	ug/l	98
86) p-Isopropyltoluene	13.463	119	5667	3.952	ug/l	89

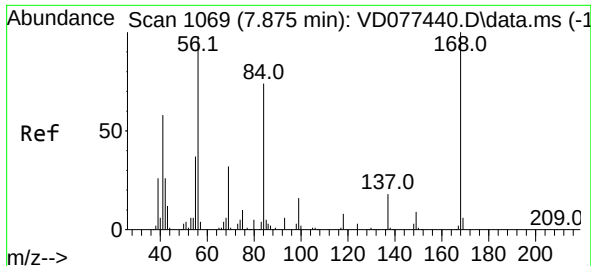
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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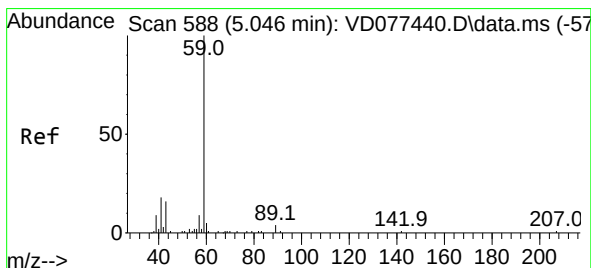
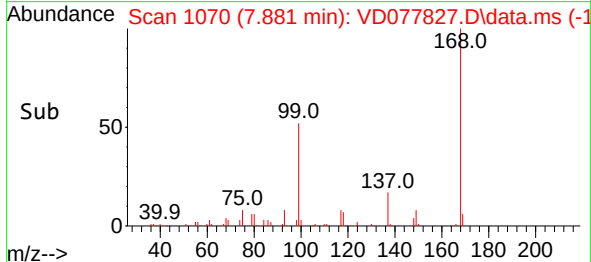
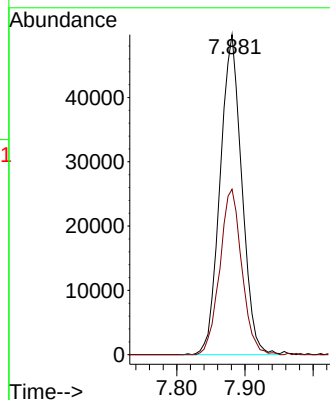
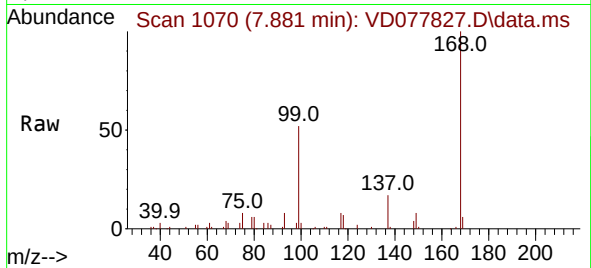




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

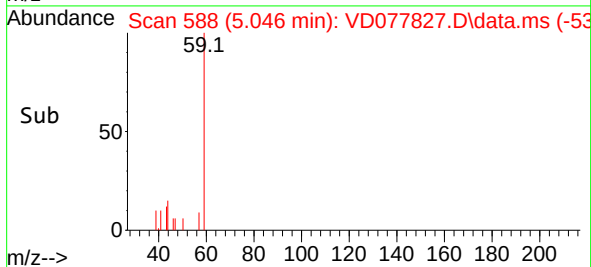
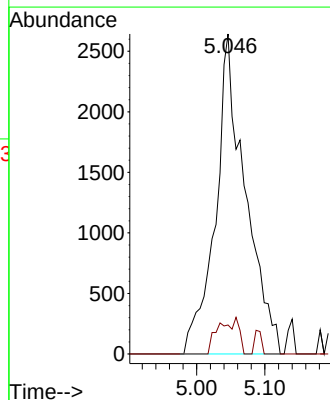
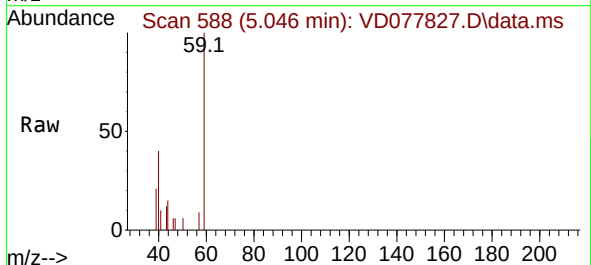
Instrument :
MSVOA_D
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CHRT-24328

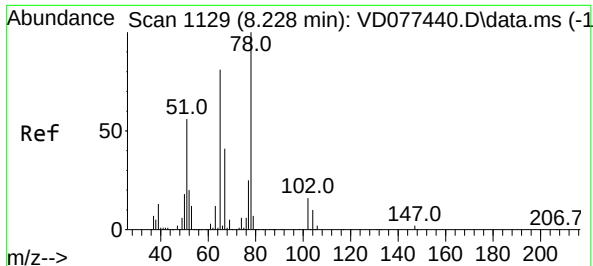
Tgt Ion:168 Resp: 110266
Ion Ratio Lower Upper
168 100
99 51.7 36.7 55.1



#11
Tert butyl alcohol
Concen: 122.842 ug/l
RT: 5.046 min Scan# 588
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion: 59 Resp: 8045
Ion Ratio Lower Upper
59 100
57 5.6 7.8 11.8#

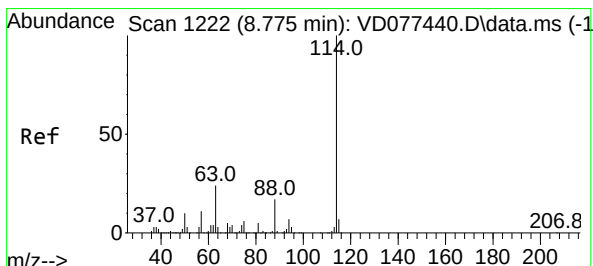
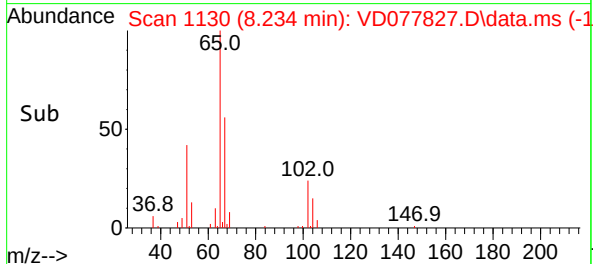
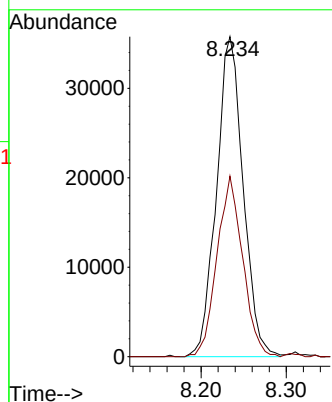
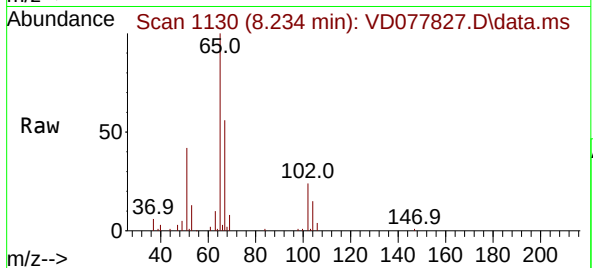




#33
 1,2-Dichloroethane-d4
 Concen: 59.886 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

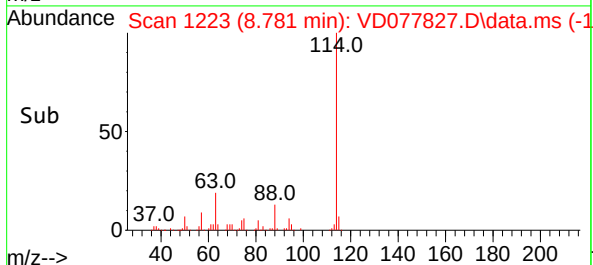
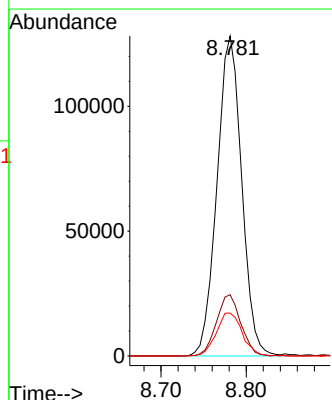
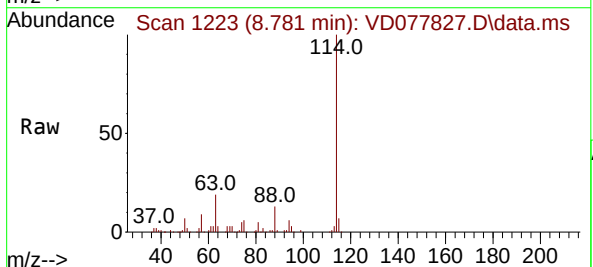
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24328

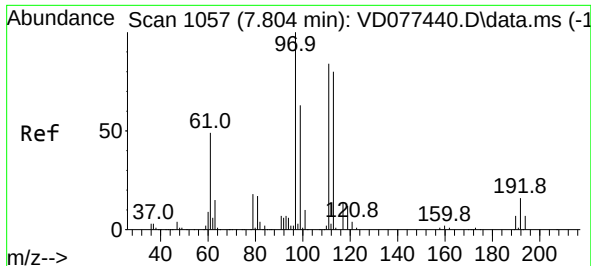
Tgt Ion: 65 Resp: 77811
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

Tgt Ion: 114 Resp: 257766
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 33.4
 88 13.4 0.0 26.2

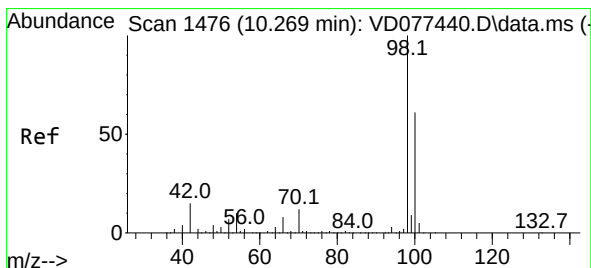
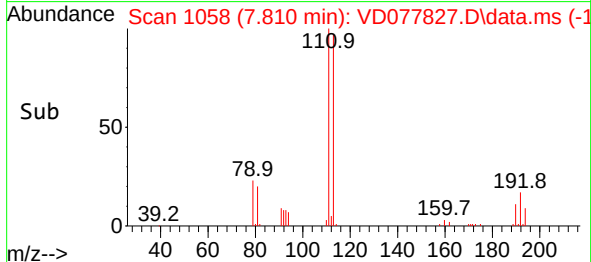
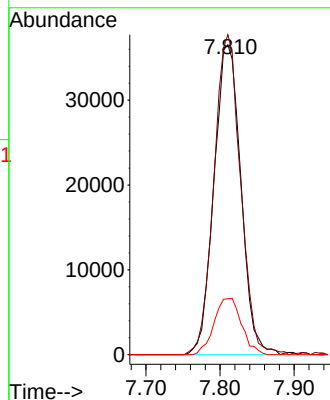
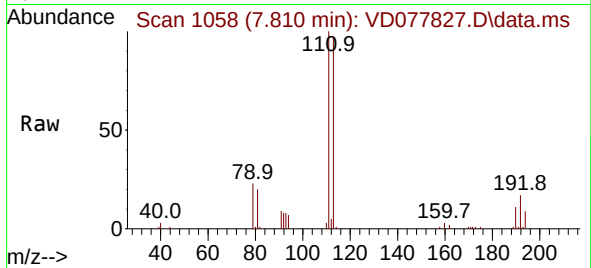




#35
 Dibromofluoromethane
 Concen: 50.997 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

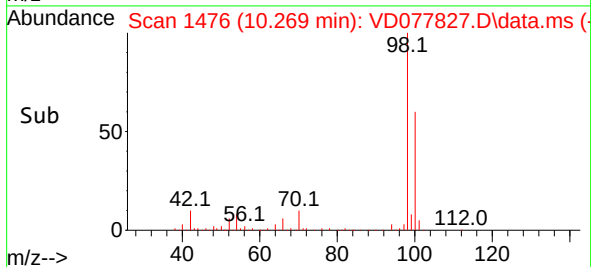
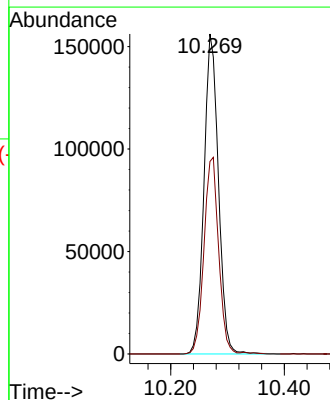
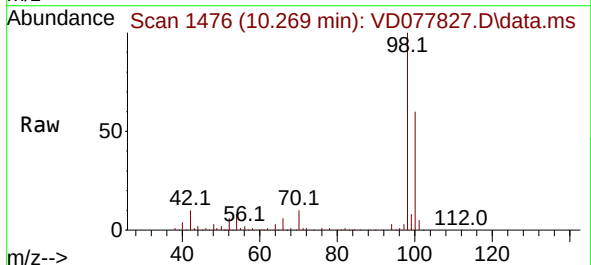
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24328

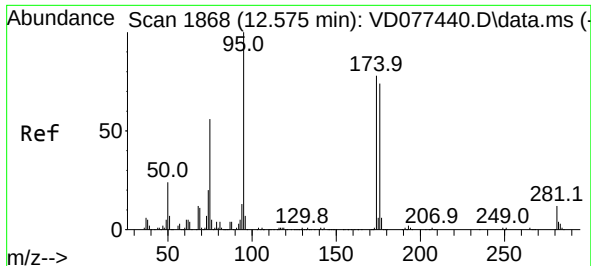
Tgt Ion:113 Resp: 92079
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.7 127.1
 192 18.6 16.8 25.2



#50
 Toluene-d8
 Concen: 37.947 ug/l
 RT: 10.269 min Scan# 1476
 Delta R.T. 0.000 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

Tgt Ion: 98 Resp: 274417
 Ion Ratio Lower Upper
 98 100
 100 62.2 50.3 75.5

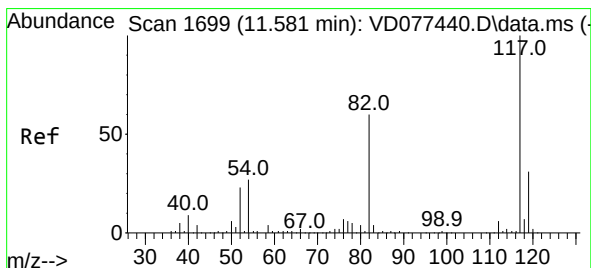
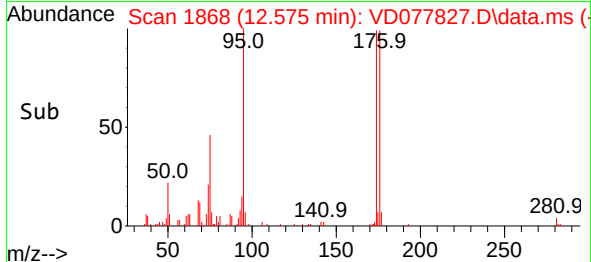
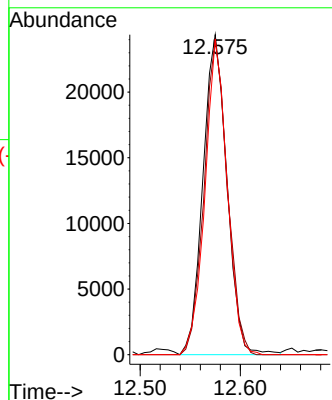
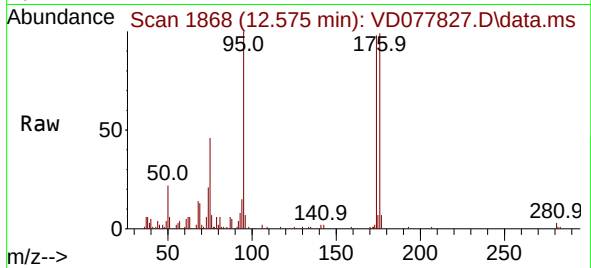




#62
4-Bromofluorobenzene
Concen: 18.728 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

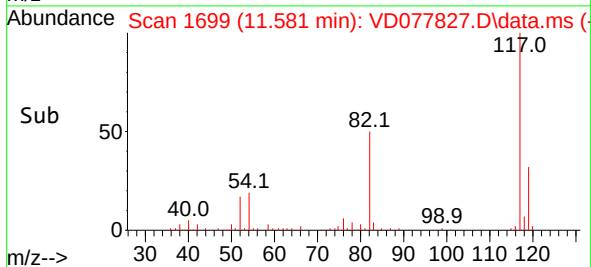
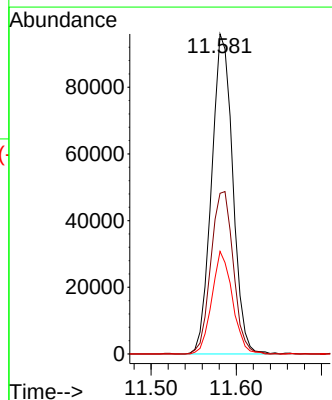
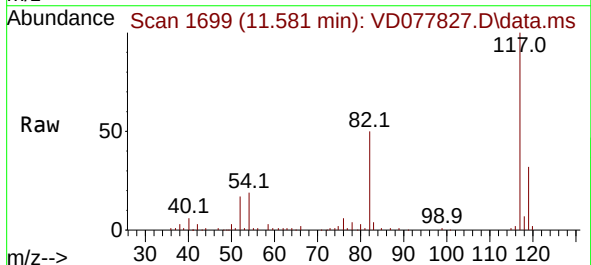
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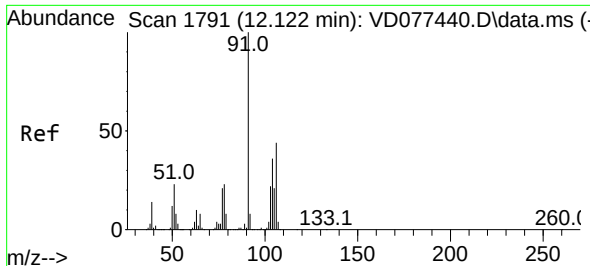
Tgt Ion: 95 Resp: 40491
Ion Ratio Lower Upper
95 100
174 95.4 0.0 201.8
176 91.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion: 117 Resp: 165826
Ion Ratio Lower Upper
117 100
82 50.2 38.3 57.5
119 32.1 25.0 37.4

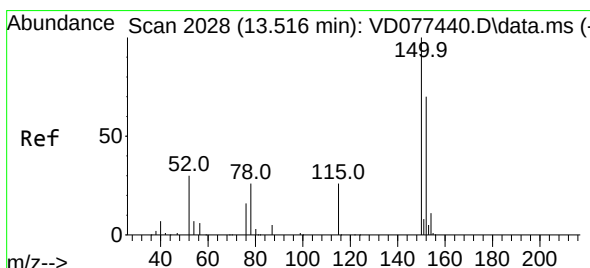
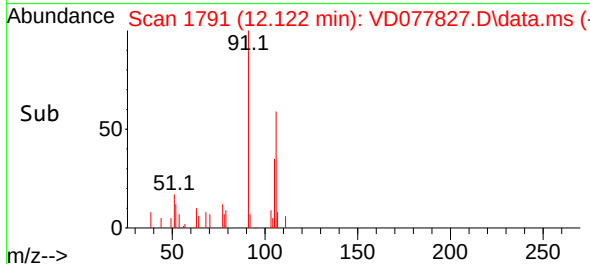
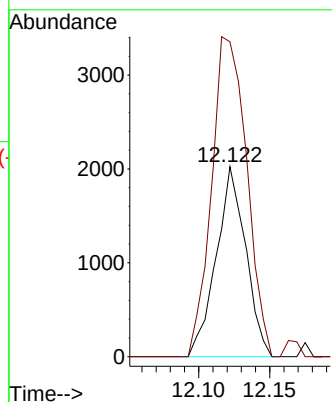
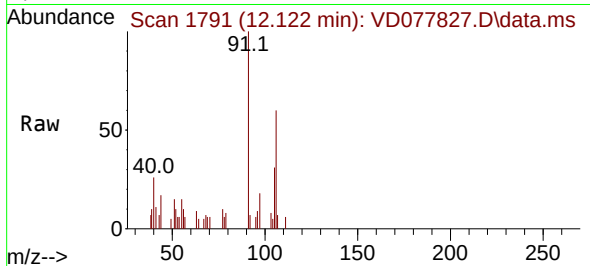




#69
o-Xylene
Concen: 1.200 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

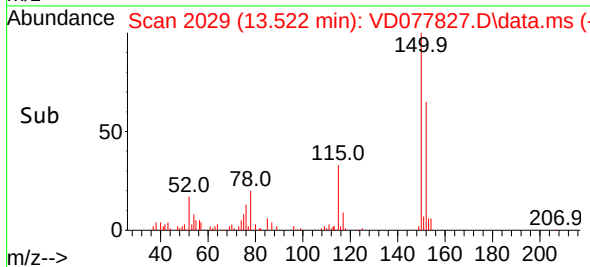
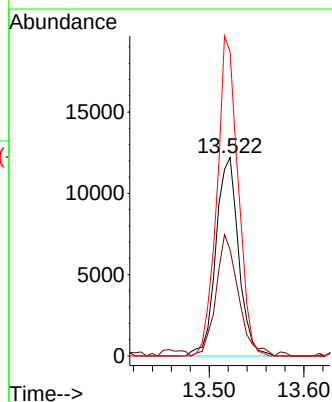
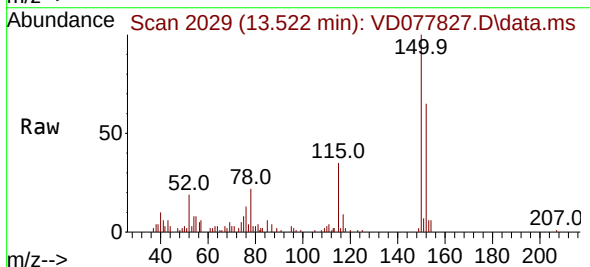
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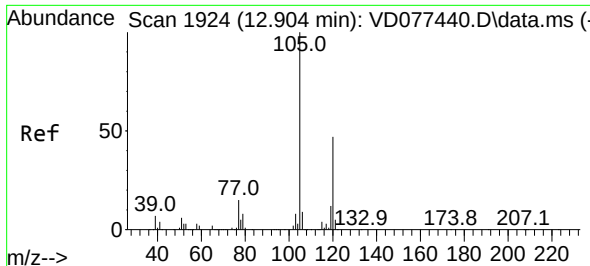
Tgt Ion:106 Resp: 2921
Ion Ratio Lower Upper
106 100
91 200.6 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion:152 Resp: 20305
Ion Ratio Lower Upper
152 100
115 60.2 27.1 81.3
150 150.4 0.0 353.6

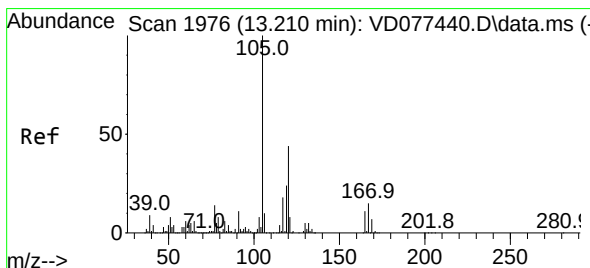
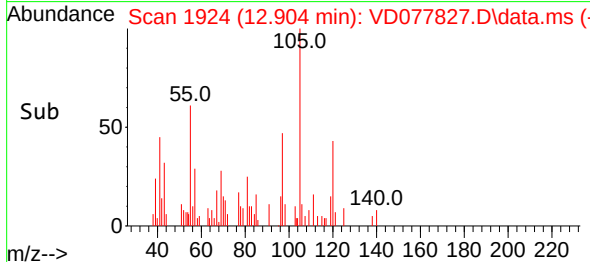
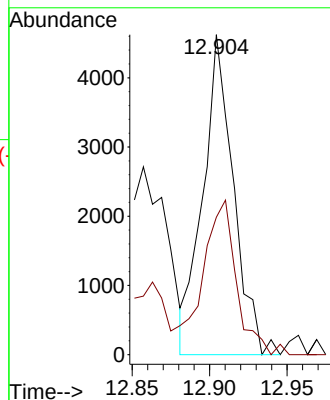
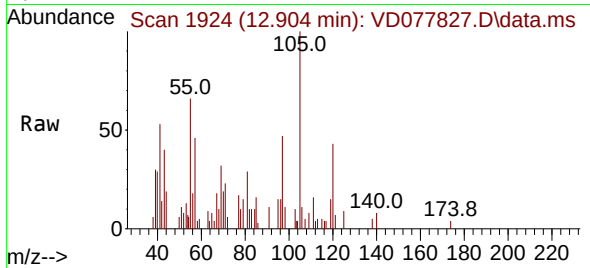




#80
 1,3,5-Trimethylbenzene
 Concen: 4.943 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

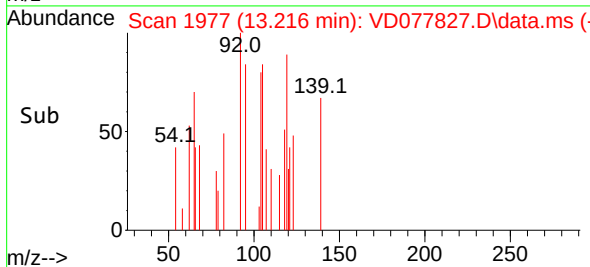
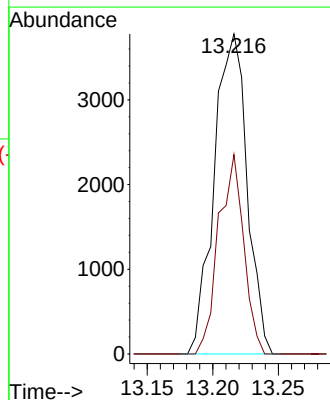
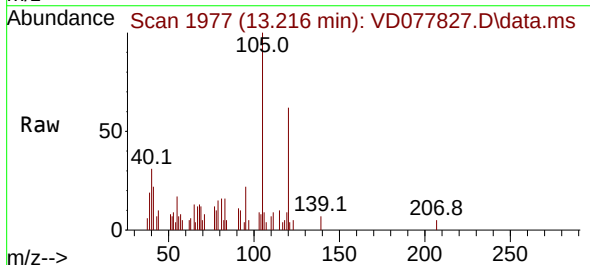
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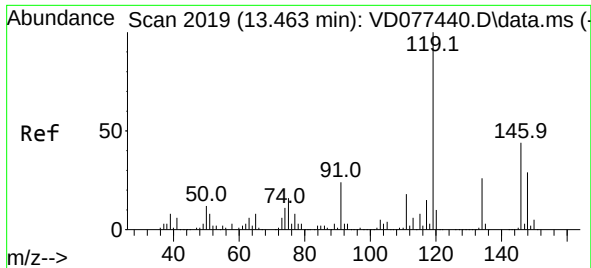
Tgt Ion:105 Resp: 6345
 Ion Ratio Lower Upper
 105 100
 120 51.8 26.4 79.2



#84
 1,2,4-Trimethylbenzene
 Concen: 5.140 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

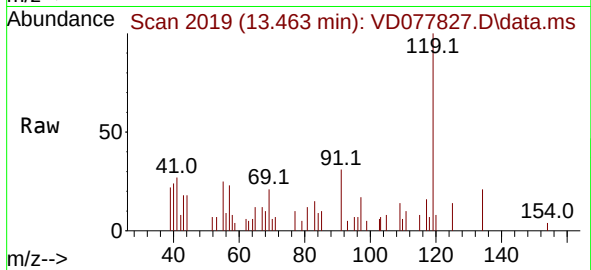
Tgt Ion:105 Resp: 6599
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 72.9





#86
 p-Isopropyltoluene
 Concen: 3.952 ug/l
 RT: 13.463 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

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Tgt Ion:	119	Resp:	5667
Ion	Ratio	Lower	Upper
119	100		
134	19.9	14.2	42.6
91	18.5	10.5	31.5

