

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077420.D
 Acq On : 25 Oct 2023 17:56
 Operator : JC/SY
 Sample : 05040-01
 Misc : 4.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 M-4(50FT)(0-5)

Quant Time: Oct 26 07:02:31 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)

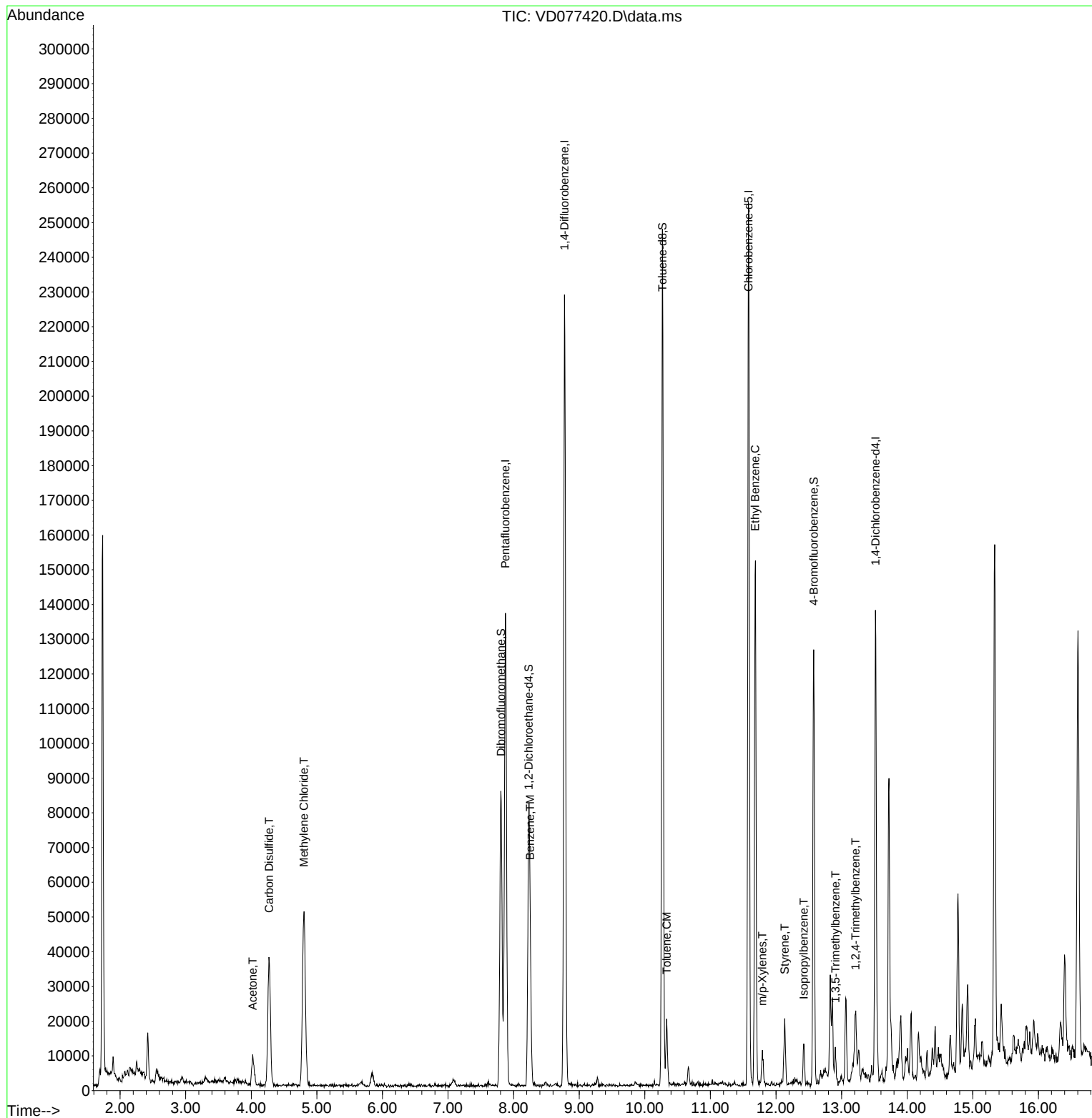
Internal Standards						
1) Pentafluorobenzene	7.875	168	110751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	216756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	158367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	38290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52024	52.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.810	113	64782	42.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.080%	
50) Toluene-d8	10.269	98	176280	32.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 64.640%	
62) 4-Bromofluorobenzene	12.575	95	35756	22.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 45.560%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	14141	65.207	ug/l	91
17) Carbon Disulfide	4.269	76	80996	21.607	ug/l	96
20) Methylene Chloride	4.805	84	45820	33.318	ug/l	99
40) Benzene	8.252	78	30928	5.093	ug/l	97
52) Toluene	10.334	92	8662	2.185	ug/l	87
67) Ethyl Benzene	11.681	91	114496	20.009	ug/l	95
68) m/p-Xylenes	11.793	106	3125	1.330	ug/l	80
70) Styrene	12.134	104	8502	2.304	ug/l	97
73) Isopropylbenzene	12.422	105	6243	2.465	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	3874	1.854	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	8314	3.951	ug/l	99

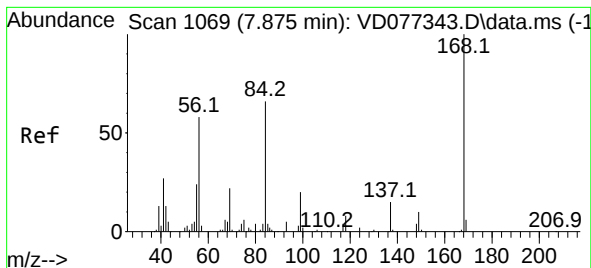
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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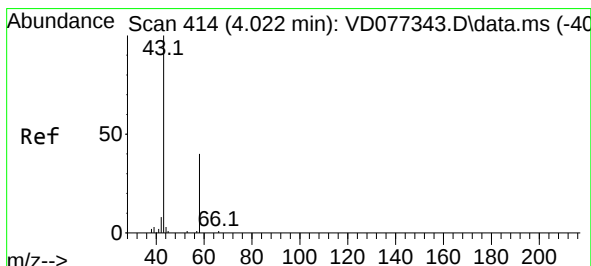
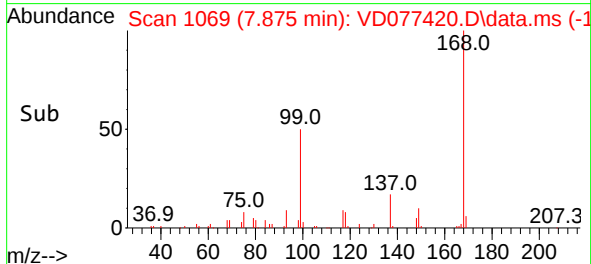
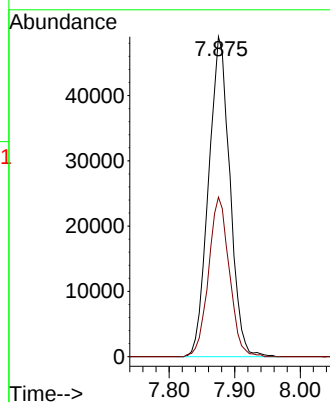
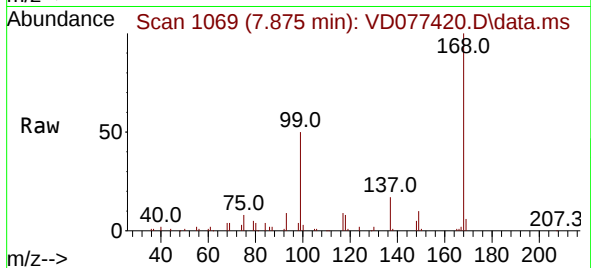




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

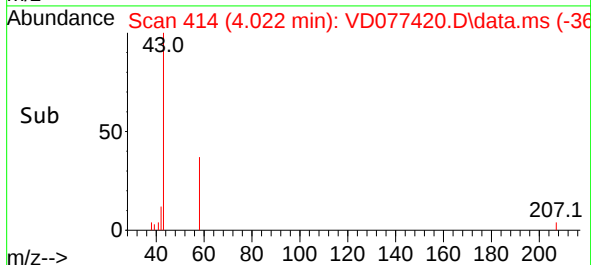
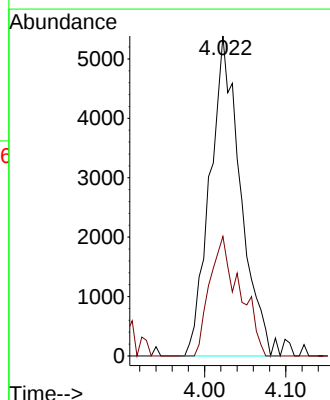
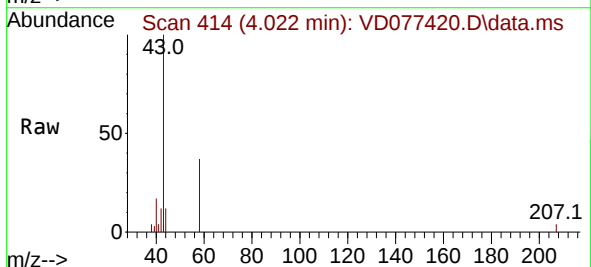
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

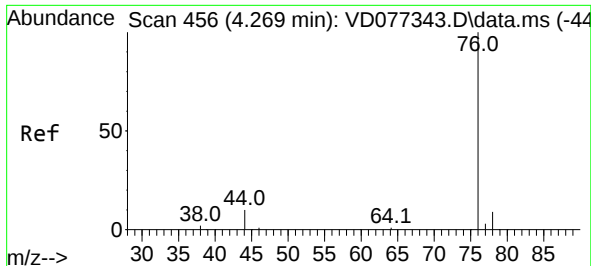
Tgt Ion:168 Resp: 110751
Ion Ratio Lower Upper
168 100
99 49.9 36.7 55.1



#16
Acetone
Concen: 65.207 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion: 43 Resp: 14141
Ion Ratio Lower Upper
43 100
58 37.3 34.7 52.1

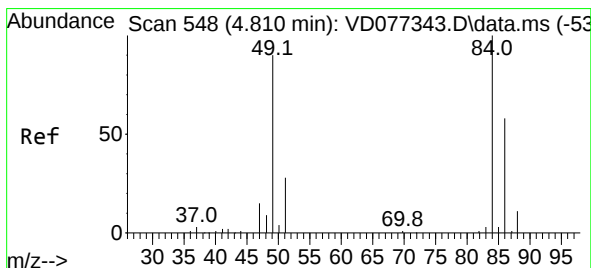
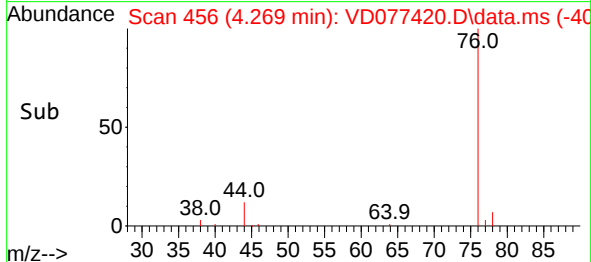
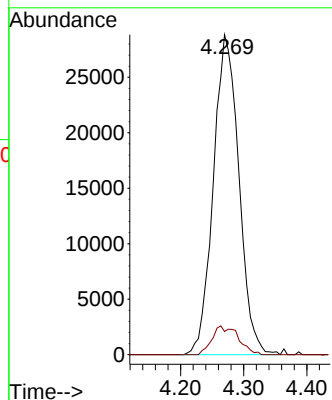
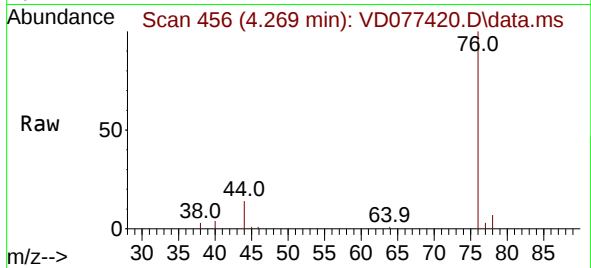




#17
Carbon Disulfide
Concen: 21.607 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

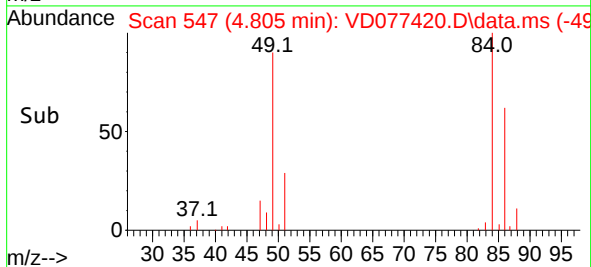
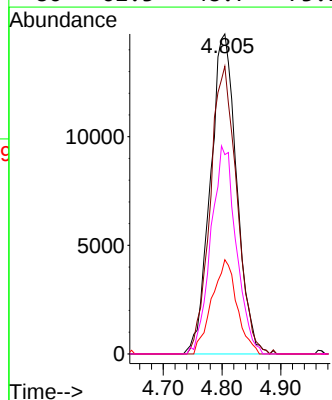
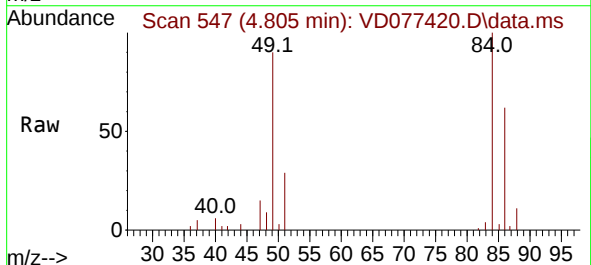
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

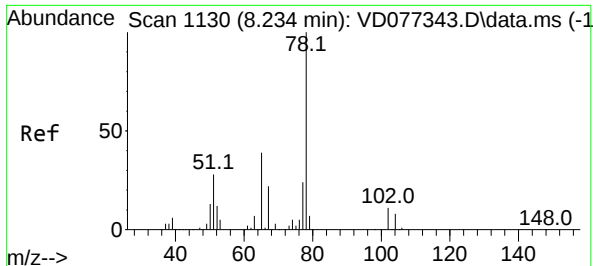
Tgt Ion: 76 Resp: 80996
Ion Ratio Lower Upper
76 100
78 7.2 6.8 10.2



#20
Methylene Chloride
Concen: 33.318 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion: 84 Resp: 45820
Ion Ratio Lower Upper
84 100
49 89.9 71.4 107.2
51 29.5 24.5 36.7
86 62.3 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 52.606 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077420.D

Acq: 25 Oct 2023 17:56

Instrument :

MSVOA_D

ClientSampleId :

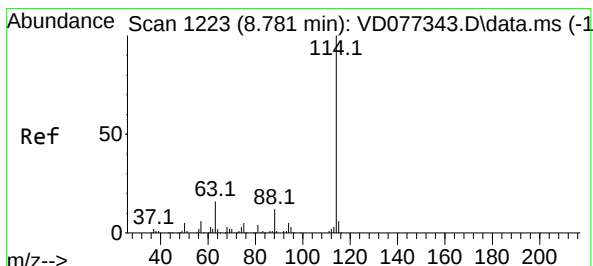
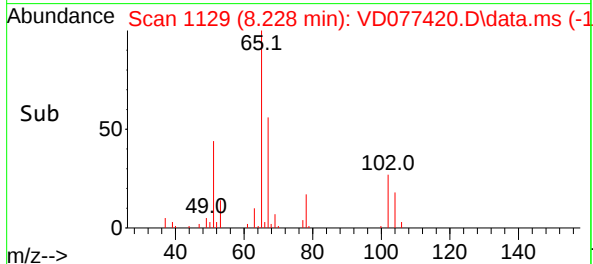
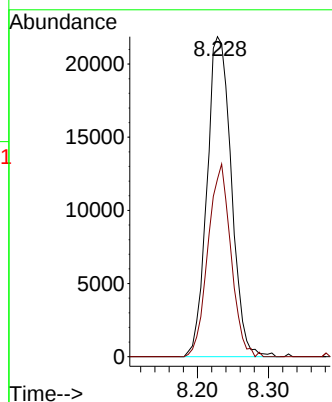
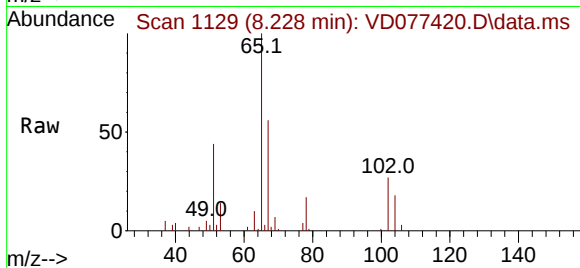
M-4(50FT)(0-5)

Tgt Ion: 65 Resp: 52024

Ion Ratio Lower Upper

65 100

67 56.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077420.D

Acq: 25 Oct 2023 17:56

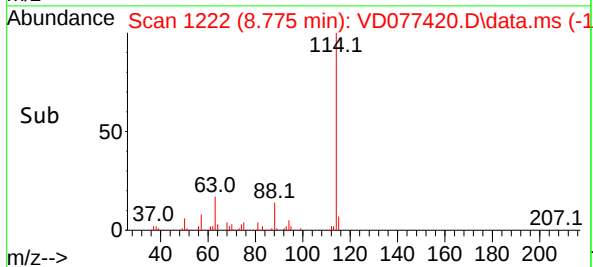
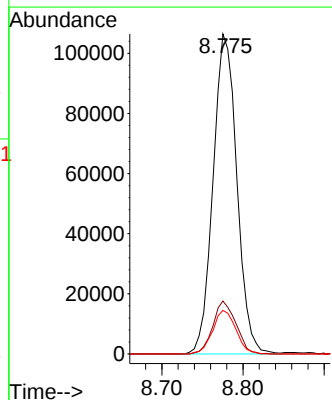
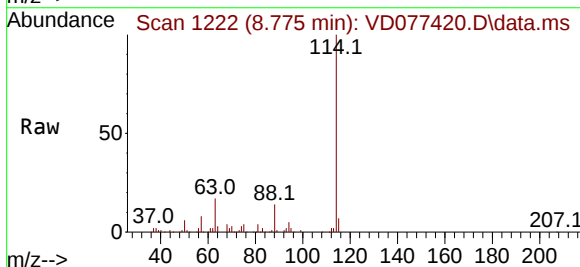
Tgt Ion: 114 Resp: 216756

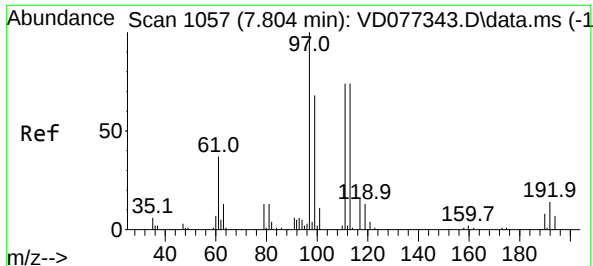
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.6 0.0 26.2

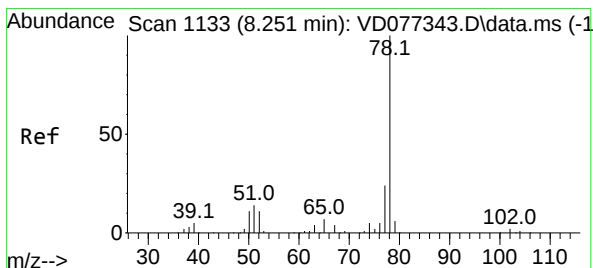
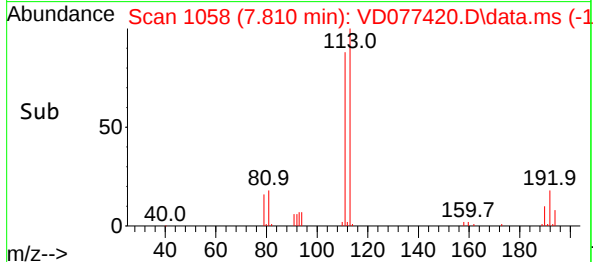
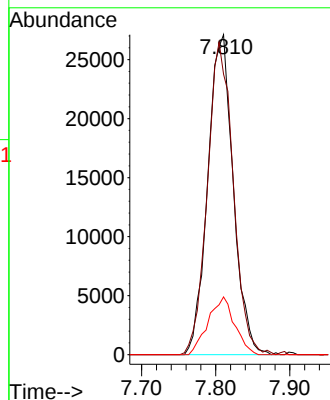
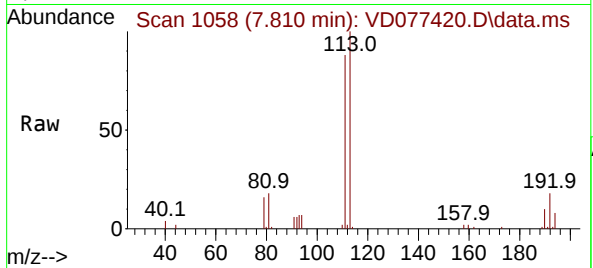




#35
Dibromofluoromethane
Concen: 42.541 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

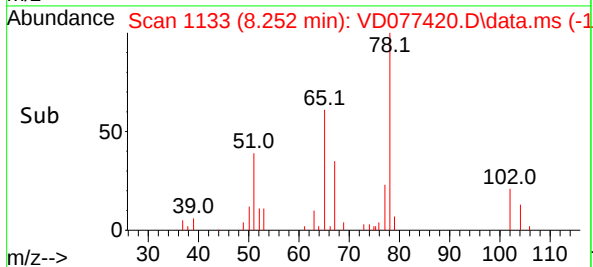
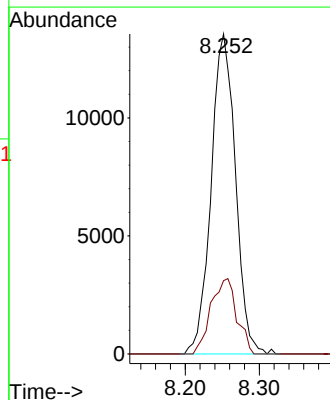
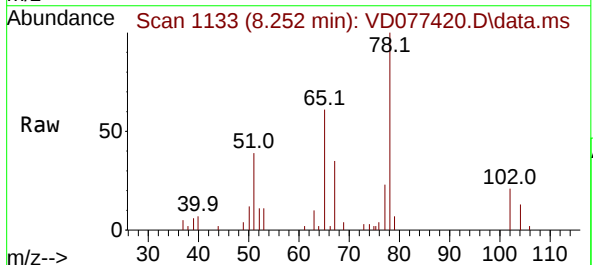
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

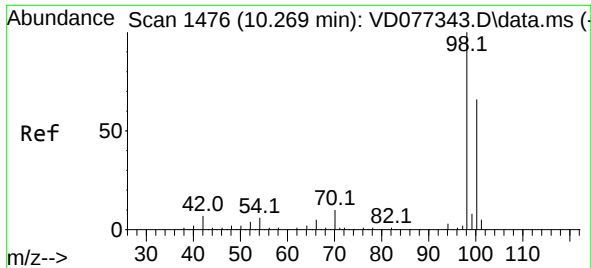
Tgt Ion:113 Resp: 64782
Ion Ratio Lower Upper
113 100
111 98.9 84.7 127.1
192 18.7 16.8 25.2



#40
Benzene
Concen: 5.093 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.001 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion: 78 Resp: 30928
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0

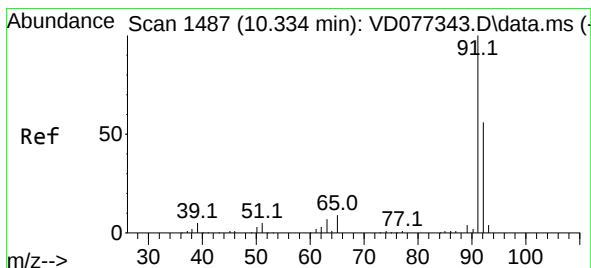
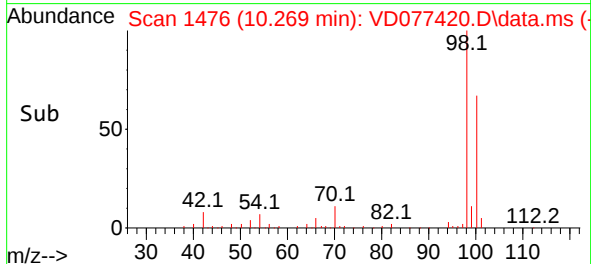
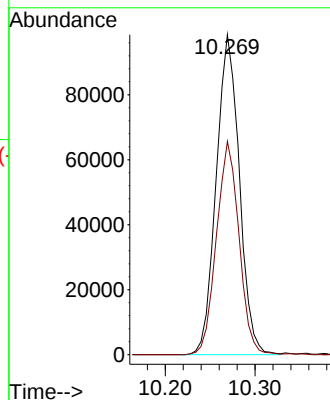
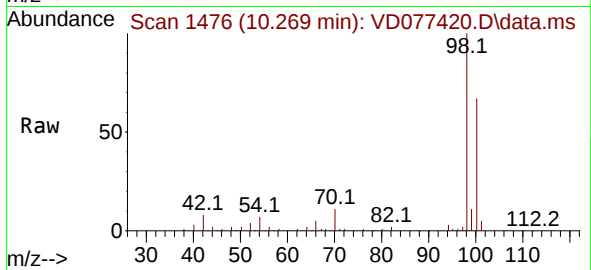




#50
Toluene-d8
Concen: 32.323 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

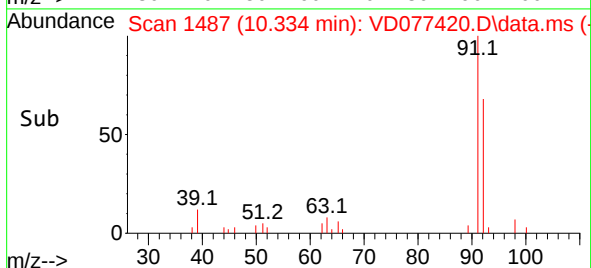
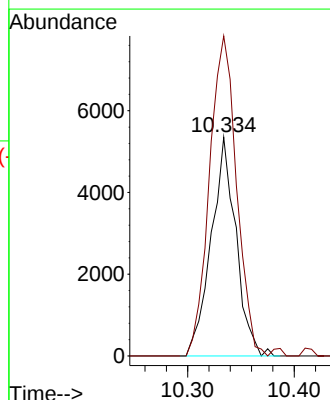
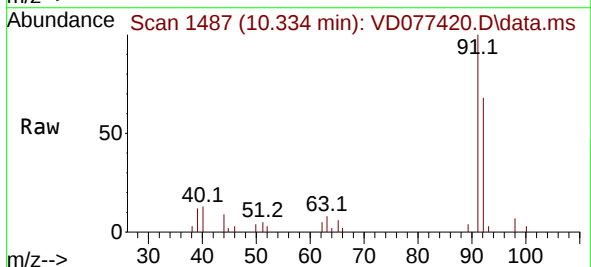
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

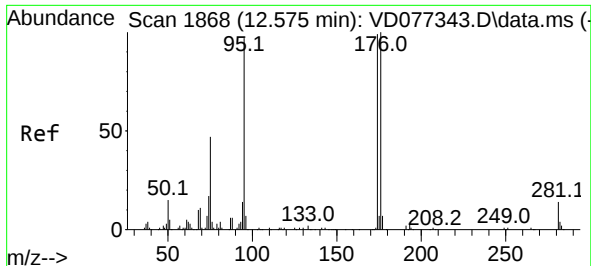
Tgt Ion: 98 Resp: 176280
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#52
Toluene
Concen: 2.185 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion: 92 Resp: 8662
Ion Ratio Lower Upper
92 100
91 159.8 143.0 214.4

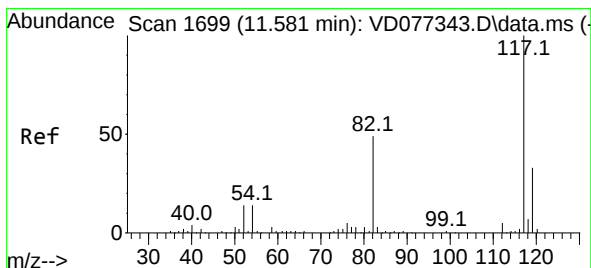
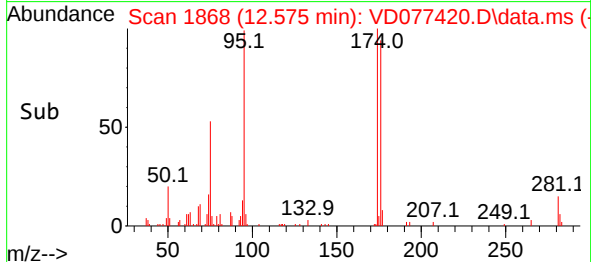
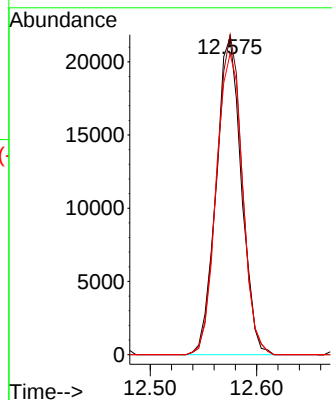
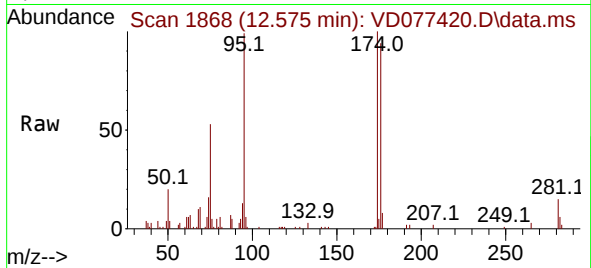




#62
4-Bromofluorobenzene
Concen: 22.776 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

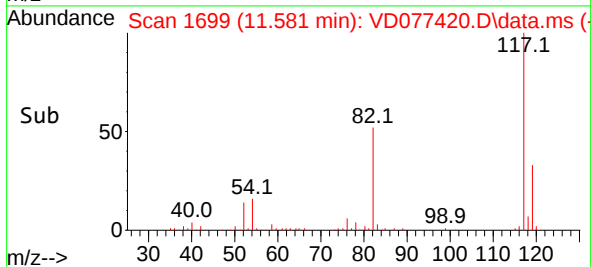
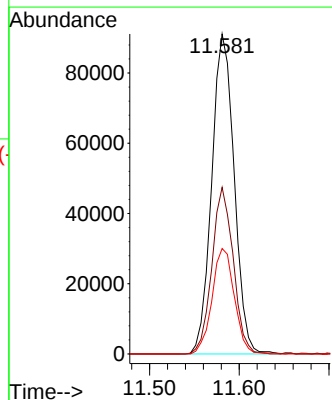
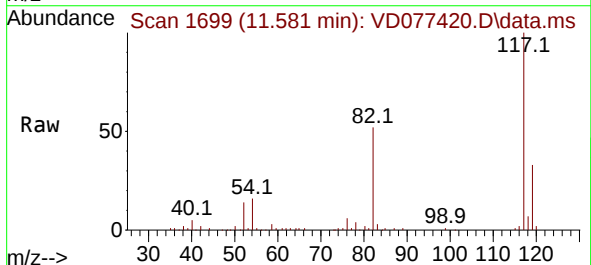
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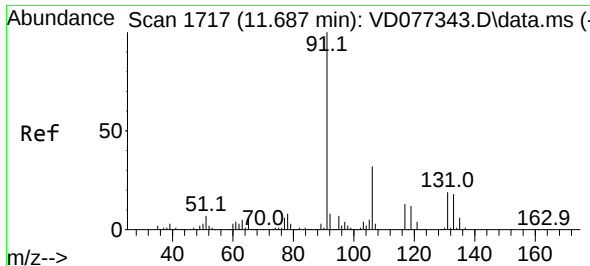
Tgt Ion:	95	Resp:	35756
Ion	Ratio	Lower	Upper
95	100		
174	100.8	0.0	201.8
176	98.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion:	117	Resp:	158367
Ion	Ratio	Lower	Upper
117	100		
82	52.1	38.3	57.5
119	33.0	25.0	37.4

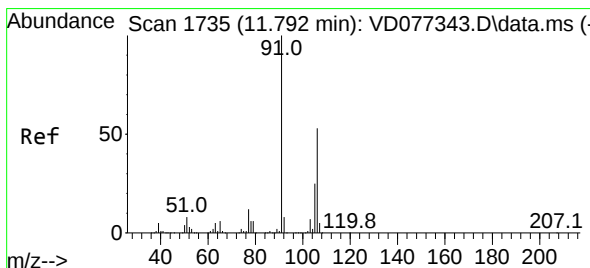
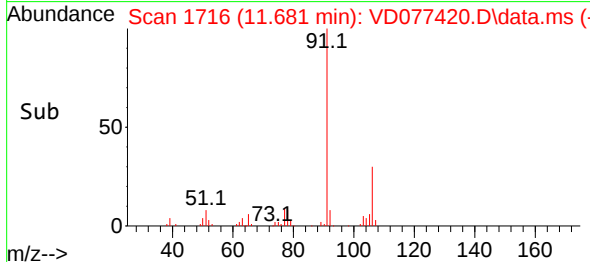
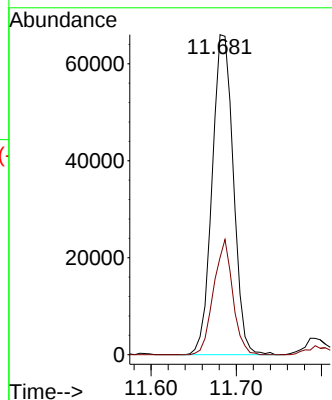
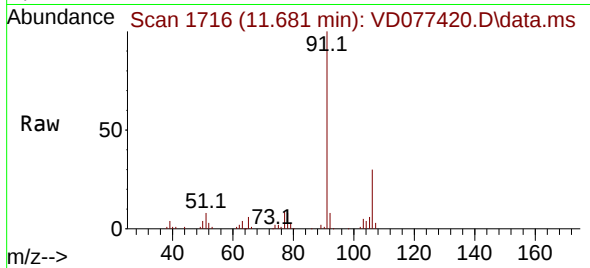




#67
Ethyl Benzene
Concen: 20.009 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

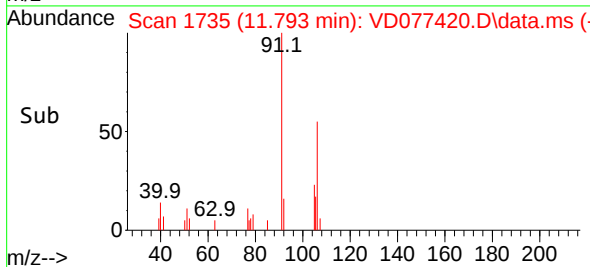
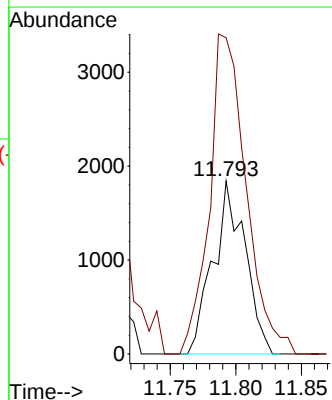
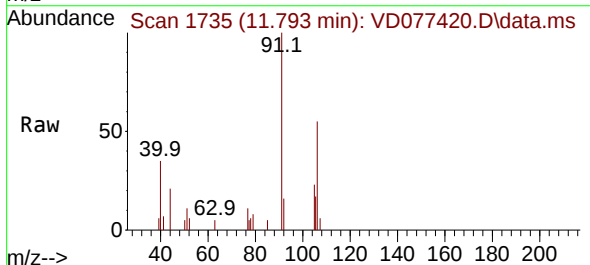
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

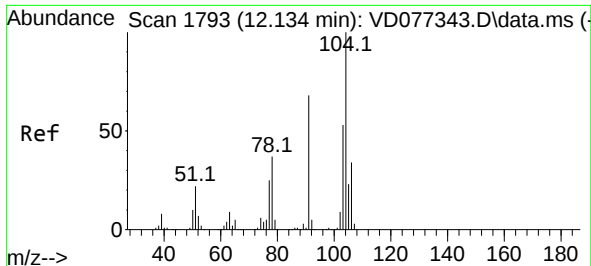
Tgt Ion: 91 Resp: 114496
Ion Ratio Lower Upper
91 100
106 30.4 26.5 39.7



#68
m/p-Xylenes
Concen: 1.330 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion: 106 Resp: 3125
Ion Ratio Lower Upper
106 100
91 212.3 147.0 220.6

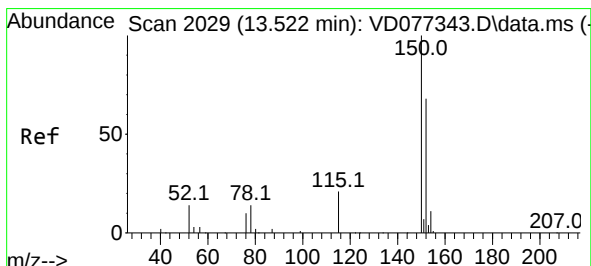
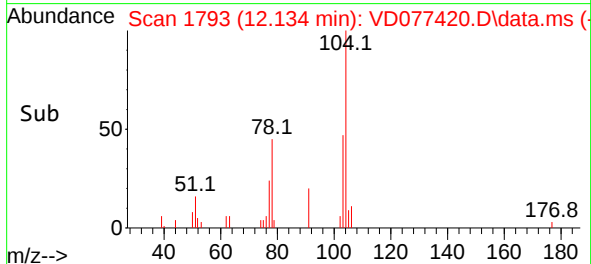
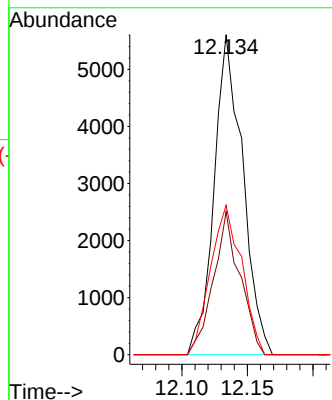
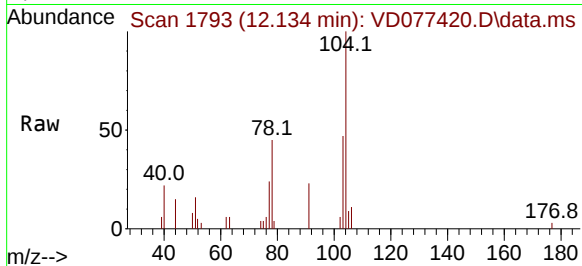




#70
Styrene
Concen: 2.304 ug/l
RT: 12.134 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

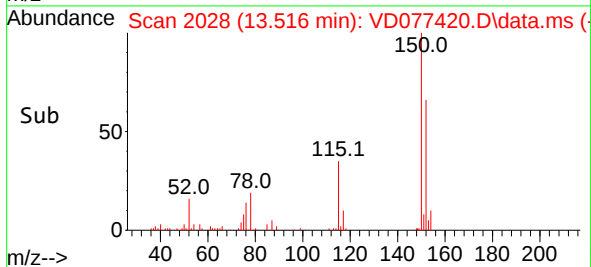
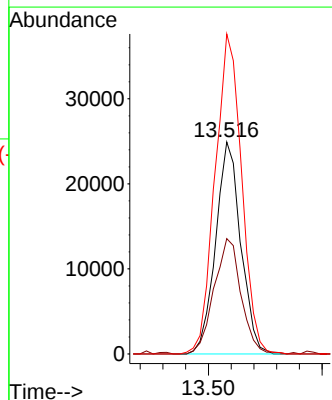
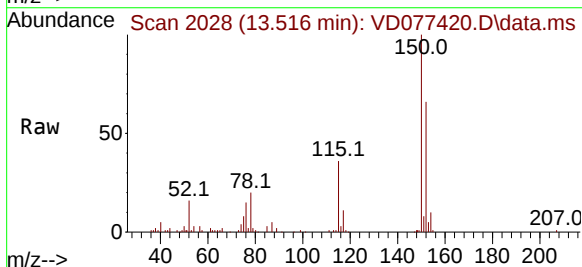
Instrument :
MSVOA_D
ClientSampleId :
M-4(50FT)(0-5)

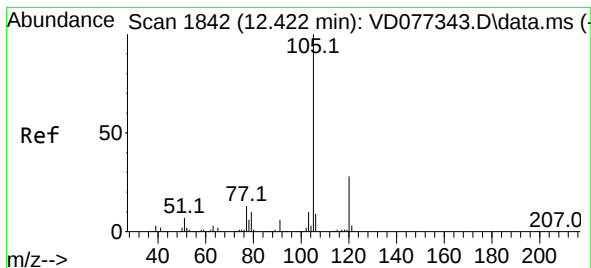
Tgt Ion:104 Resp: 8502
Ion Ratio Lower Upper
104 100
78 41.7 33.2 49.8
103 50.8 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077420.D
Acq: 25 Oct 2023 17:56

Tgt Ion:152 Resp: 38290
Ion Ratio Lower Upper
152 100
115 58.5 27.1 81.3
150 159.7 0.0 353.6





#73

Isopropylbenzene

Concen: 2.465 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077420.D

Acq: 25 Oct 2023 17:56

Instrument :

MSVOA_D

ClientSampleId :

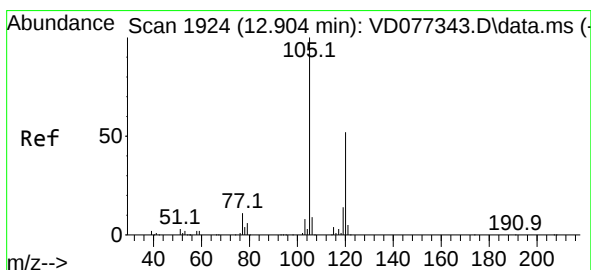
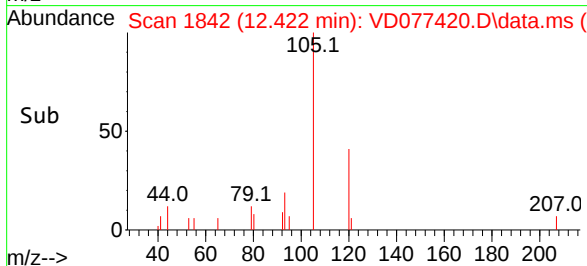
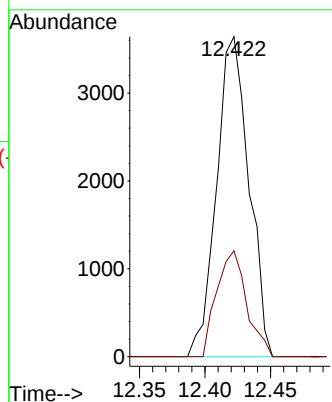
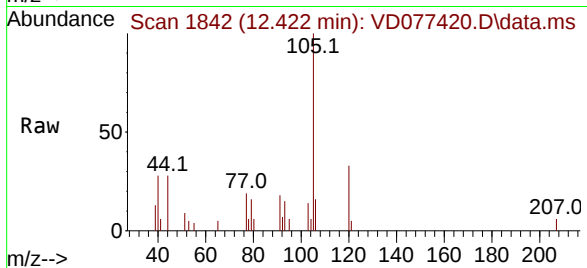
M-4(50FT)(0-5)

Tgt Ion:105 Resp: 6243

Ion Ratio Lower Upper

105 100

120 30.7 14.3 42.9



#80

1,3,5-Trimethylbenzene

Concen: 1.854 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077420.D

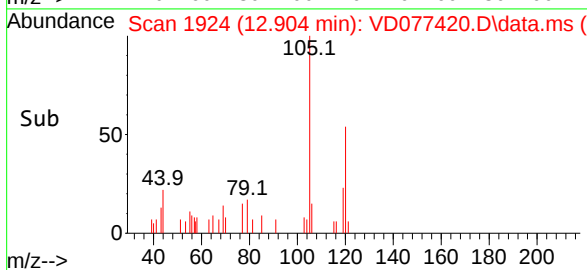
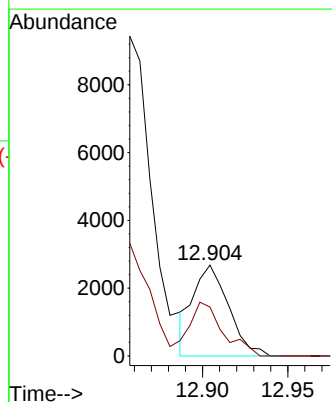
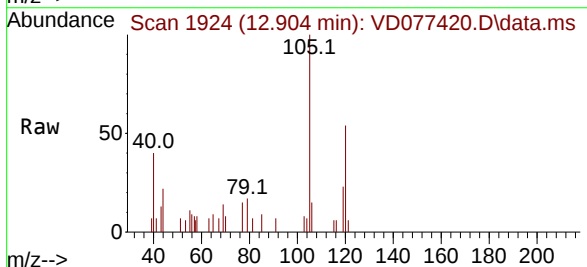
Acq: 25 Oct 2023 17:56

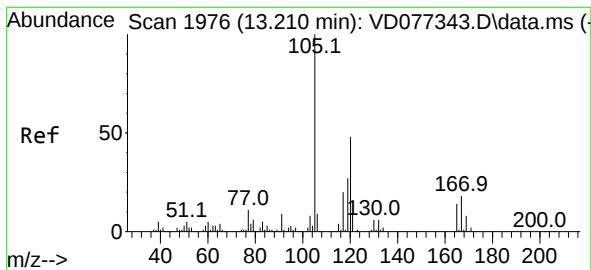
Tgt Ion:105 Resp: 3874

Ion Ratio Lower Upper

105 100

120 57.3 26.4 79.2





#84

1,2,4-Trimethylbenzene

Concen: 3.951 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077420.D

Acq: 25 Oct 2023 17:56

Instrument :

MSVOA_D

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion:105 Resp: 8314

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.9

