

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077400.D
 Acq On : 24 Oct 2023 17:43
 Operator : JC/SY
 Sample : 05005-02
 Misc : 4.84G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-4(0-5)

Quant Time: Oct 25 04:07:52 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)

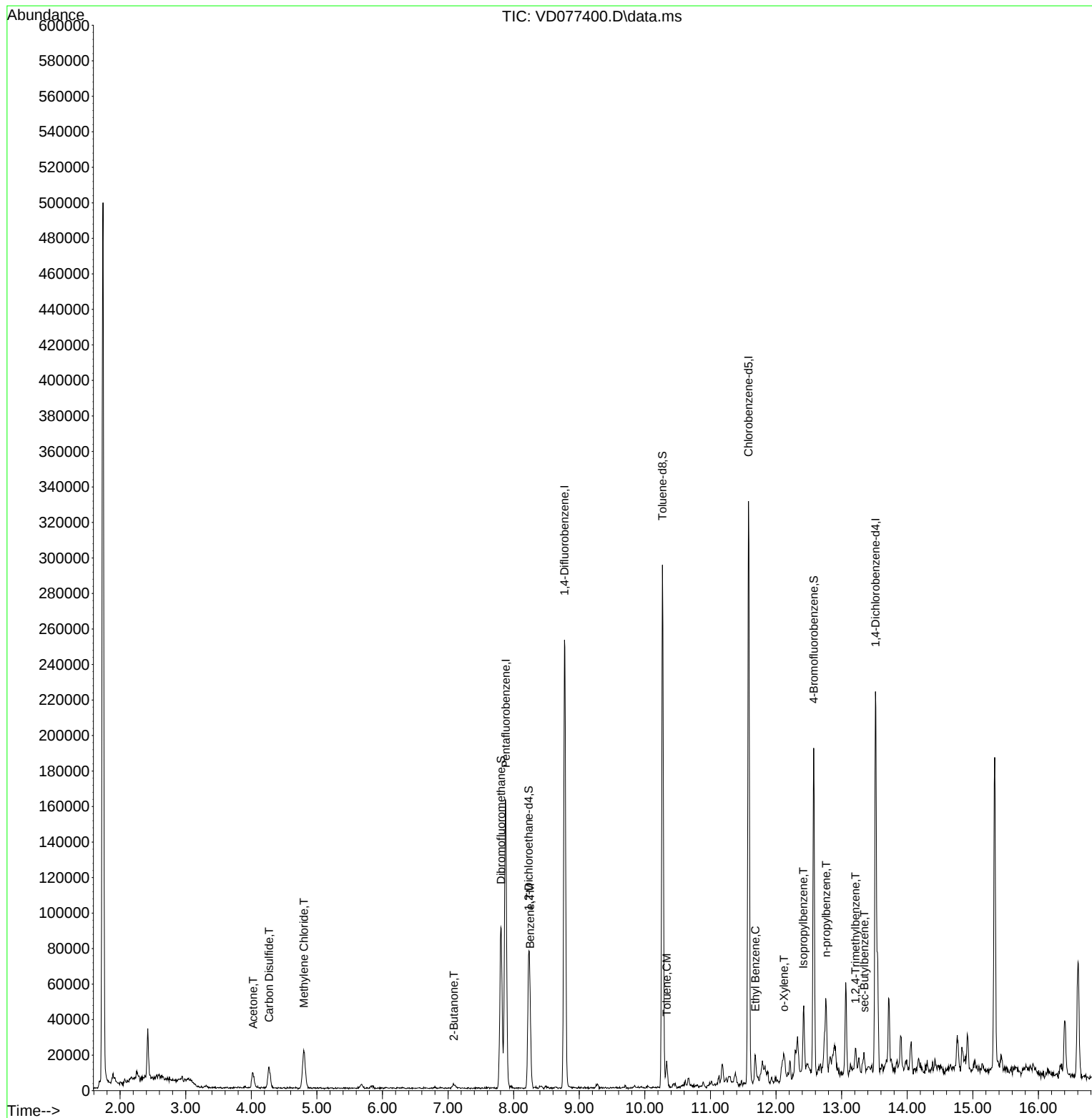
Internal Standards						
1) Pentafluorobenzene	7.881	168	130527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	245359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	205861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52274	44.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.700%
35) Dibromofluoromethane	7.810	113	69313	40.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.420%
50) Toluene-d8	10.269	98	207024	33.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	67.080%
62) 4-Bromofluorobenzene	12.575	95	51987	29.255	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.500%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	15731	61.549	ug/l #	77
17) Carbon Disulfide	4.269	76	24686	5.588	ug/l	96
20) Methylene Chloride	4.805	84	17411	7.169	ug/l	96
25) 2-Butanone	7.087	43	3618	13.646	ug/l #	75
40) Benzene	8.251	78	27641	4.021	ug/l	97
52) Toluene	10.334	92	6318	1.408	ug/l	91
67) Ethyl Benzene	11.687	91	12946	1.740	ug/l	97
69) o-Xylene	12.122	106	3458	1.230	ug/l	71
73) Isopropylbenzene	12.416	105	22040	5.365	ug/l	94
78) n-propylbenzene	12.763	91	32199	6.508	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	5546	1.625	ug/l	89
85) sec-Butylbenzene	13.345	105	4841	1.070	ug/l #	72

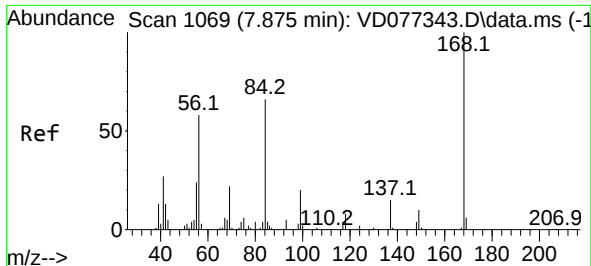
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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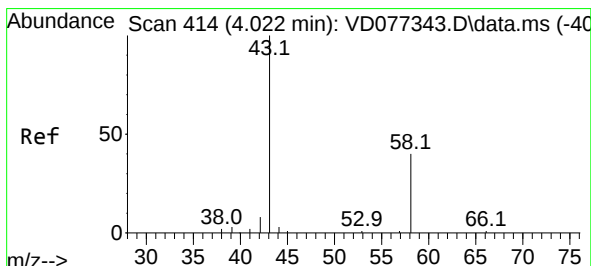
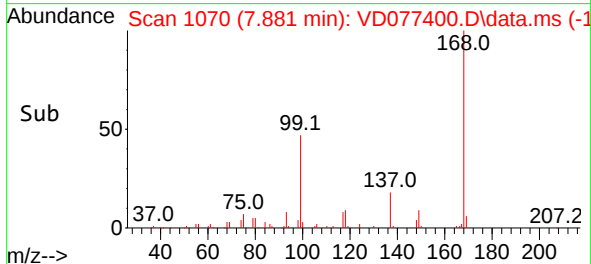
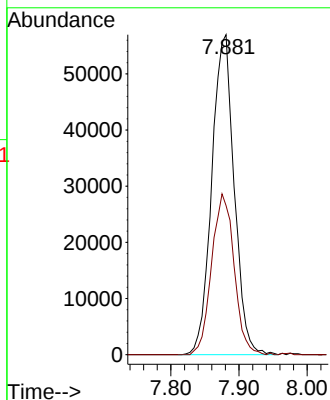
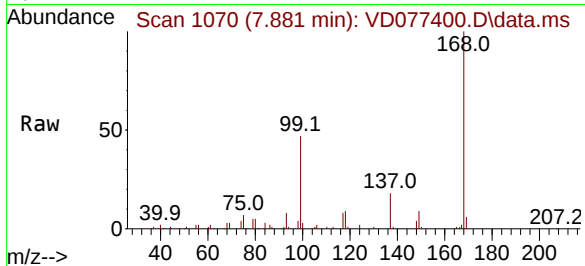




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

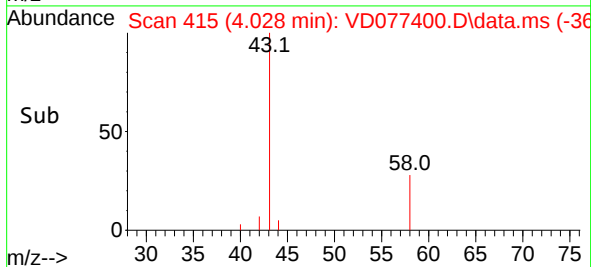
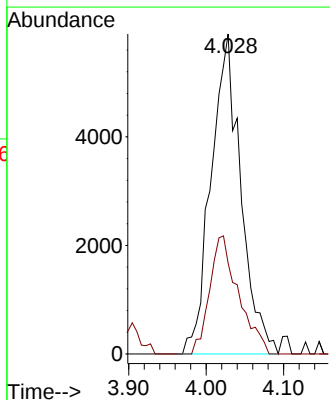
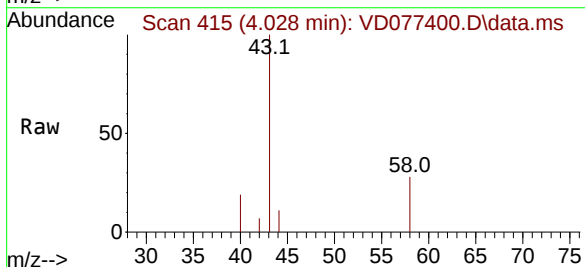
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

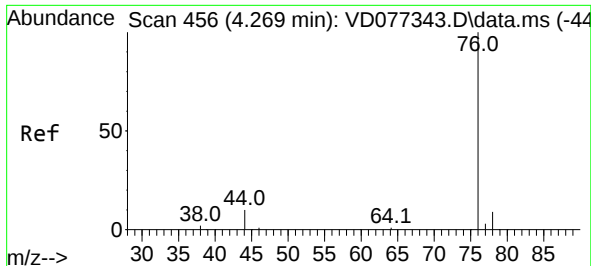
Tgt Ion:168 Resp: 130527
Ion Ratio Lower Upper
168 100
99 46.6 36.7 55.1



#16
Acetone
Concen: 61.549 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion: 43 Resp: 15731
Ion Ratio Lower Upper
43 100
58 28.4 34.7 52.1#

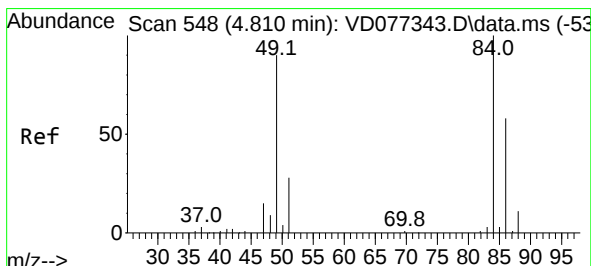
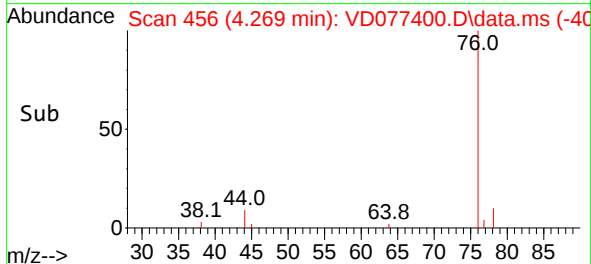
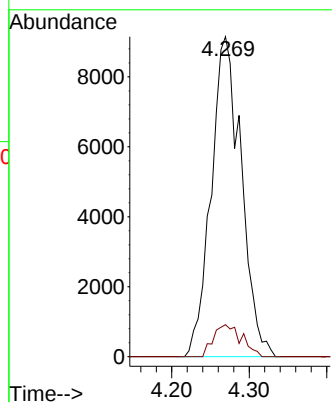
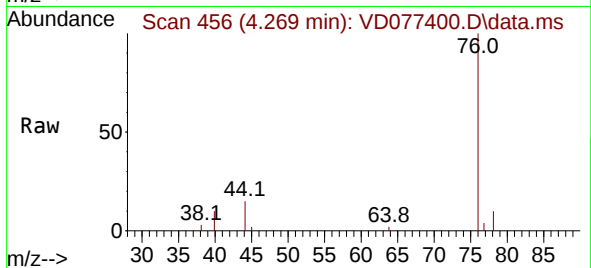




#17
Carbon Disulfide
Concen: 5.588 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

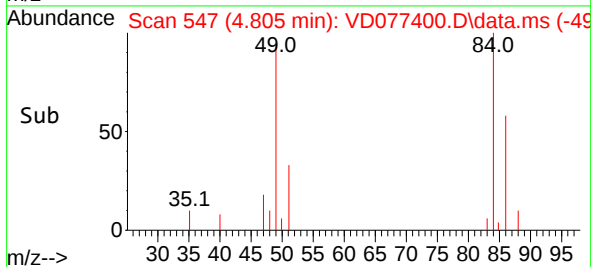
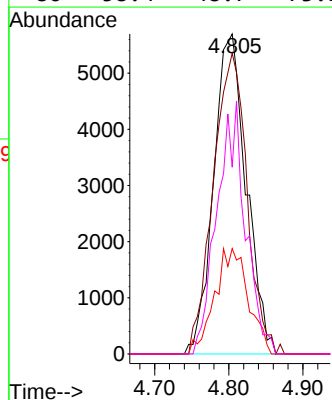
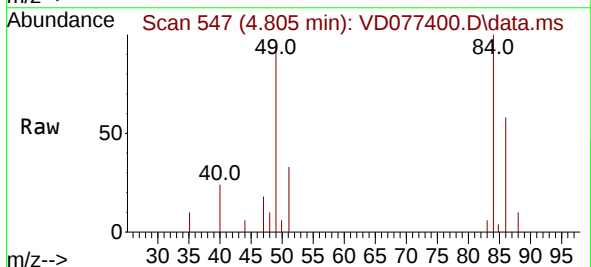
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

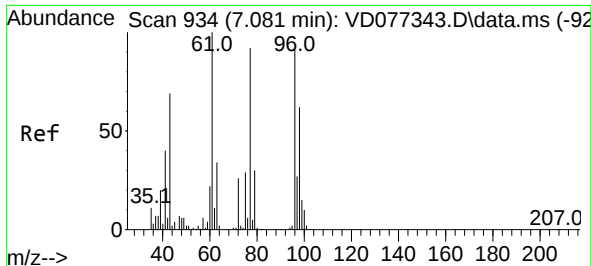
Tgt Ion: 76 Resp: 24686
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#20
Methylene Chloride
Concen: 7.169 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion: 84 Resp: 17411
Ion Ratio Lower Upper
84 100
49 94.0 71.4 107.2
51 33.0 24.5 36.7
86 58.4 48.7 73.1





#25

2-Butanone

Concen: 13.646 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

Instrument :

MSVOA_D

ClientSampleId :

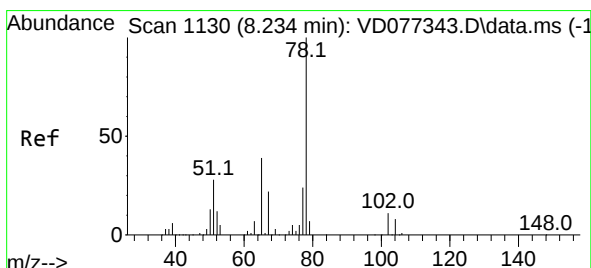
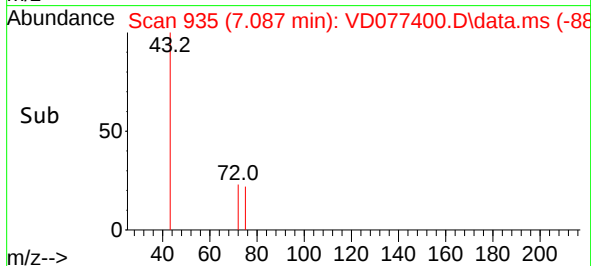
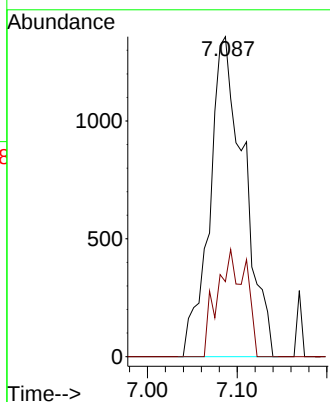
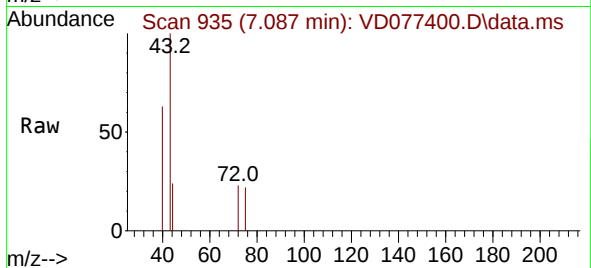
N-4(0-5)

Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

72 23.4 30.7 46.1#



#33

1,2-Dichloroethane-d4

Concen: 44.850 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077400.D

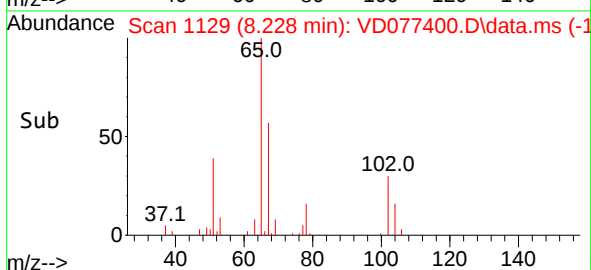
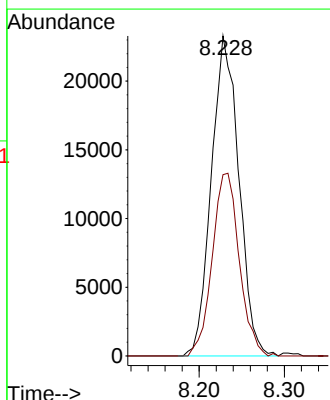
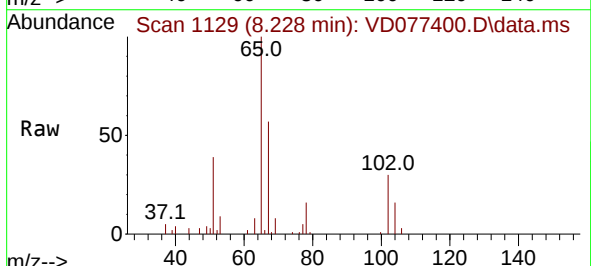
Acq: 24 Oct 2023 17:43

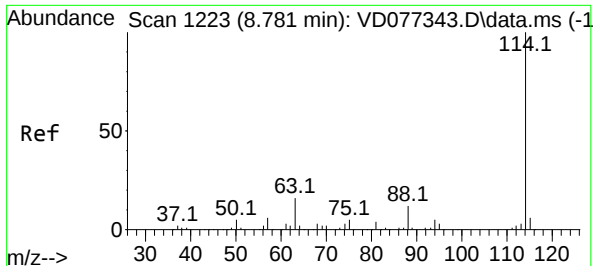
Tgt Ion: 65 Resp: 52274

Ion Ratio Lower Upper

65 100

67 56.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

Instrument :

MSVOA_D

ClientSampleId :

N-4(0-5)

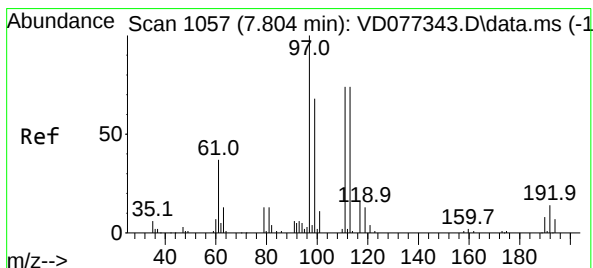
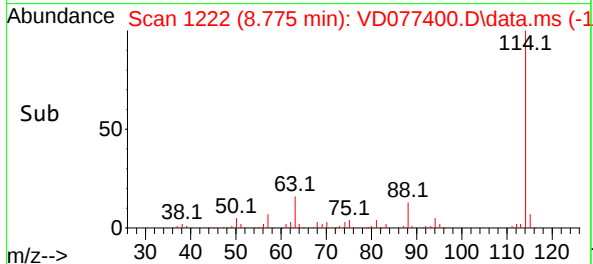
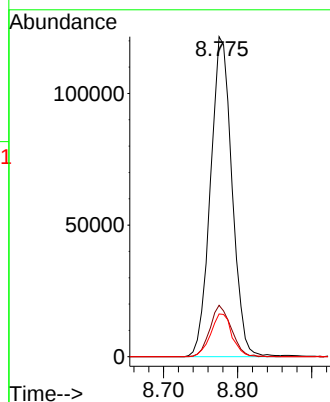
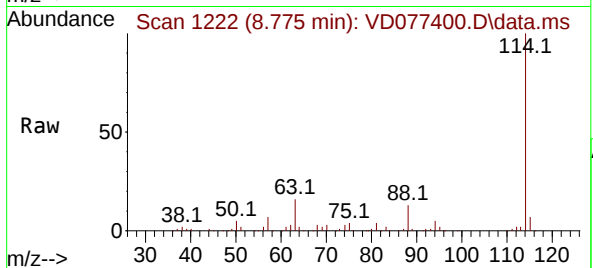
Tgt Ion:114 Resp: 245359

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 40.210 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

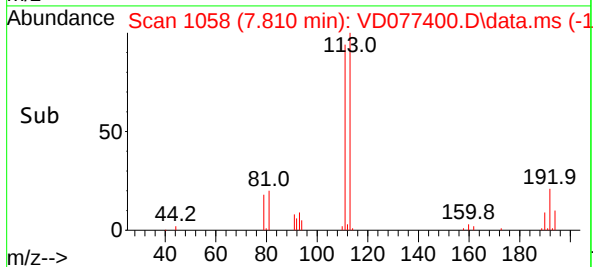
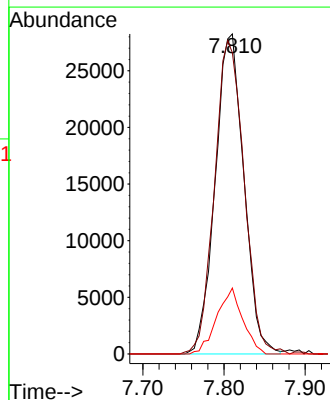
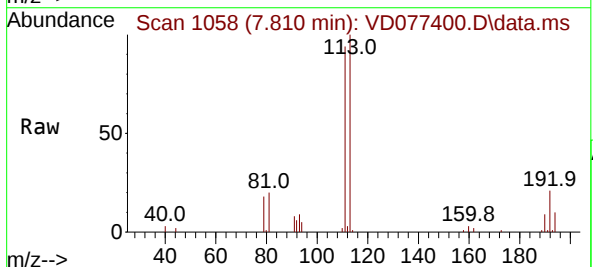
Tgt Ion:113 Resp: 69313

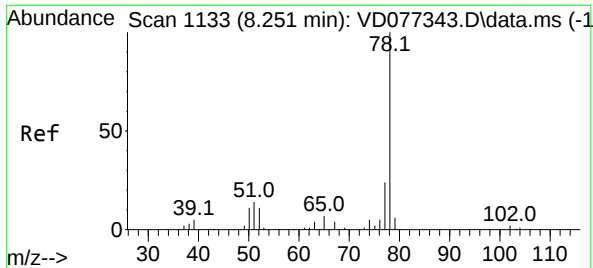
Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 18.6 16.8 25.2

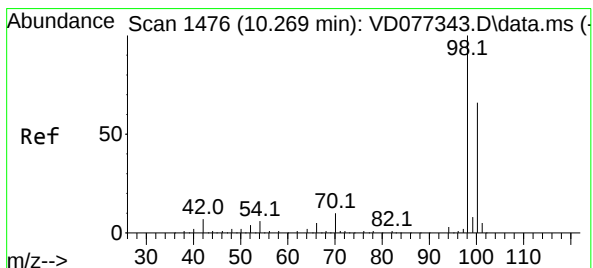
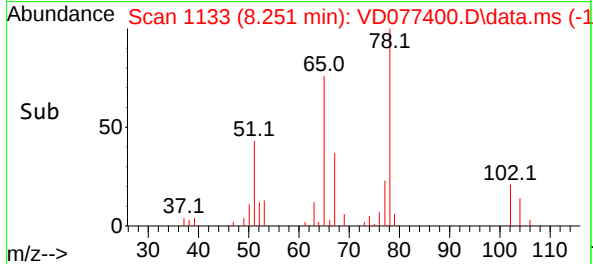
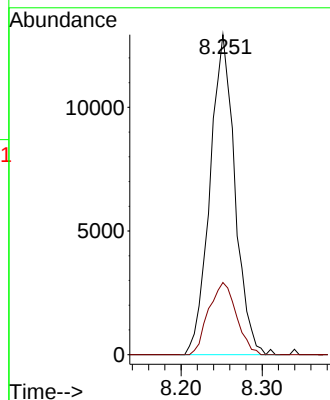
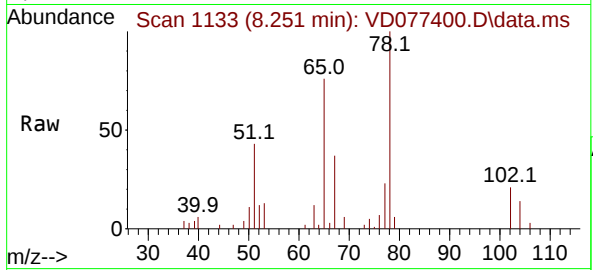




#40
Benzene
Concen: 4.021 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

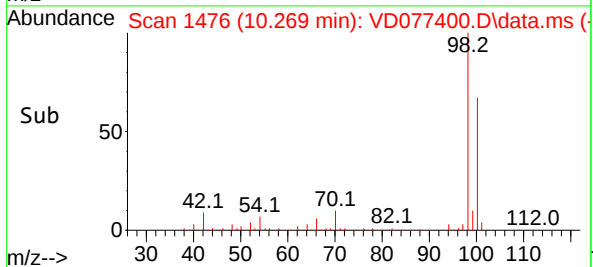
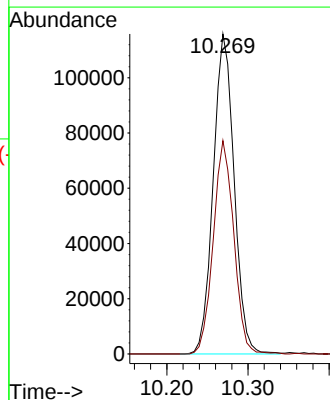
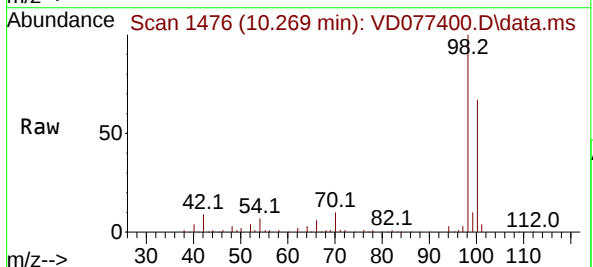
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

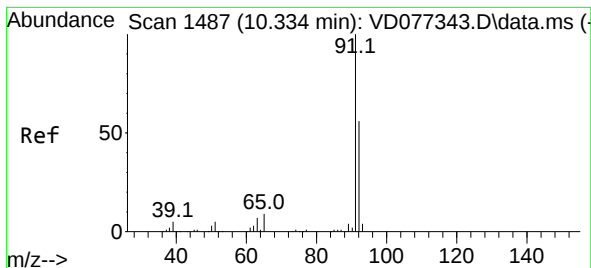
Tgt Ion: 78 Resp: 27641
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.0



#50
Toluene-d8
Concen: 33.535 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion: 98 Resp: 207024
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5





#52

Toluene

Concen: 1.408 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

Instrument :

MSVOA_D

ClientSampleId :

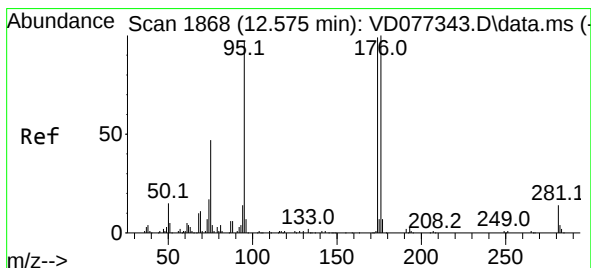
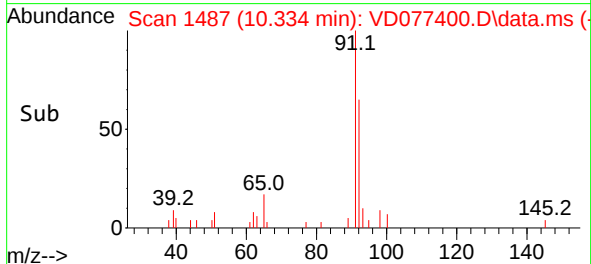
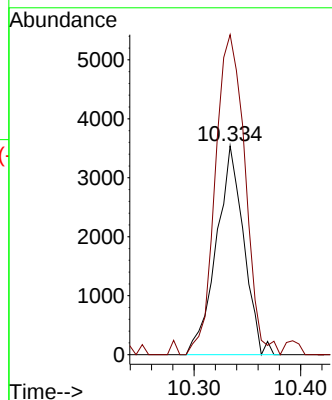
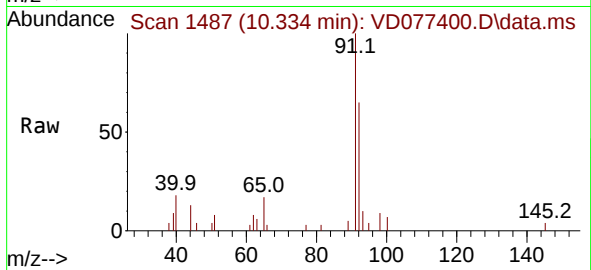
N-4(0-5)

Tgt Ion: 92 Resp: 6318

Ion Ratio Lower Upper

92 100

91 166.3 143.0 214.4



#62

4-Bromofluorobenzene

Concen: 29.255 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

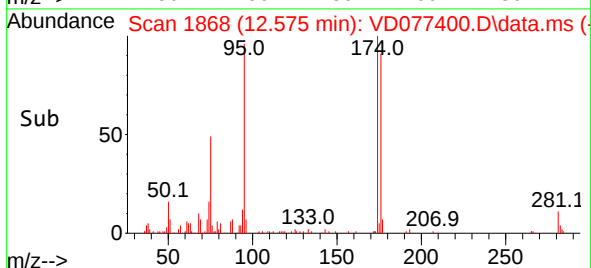
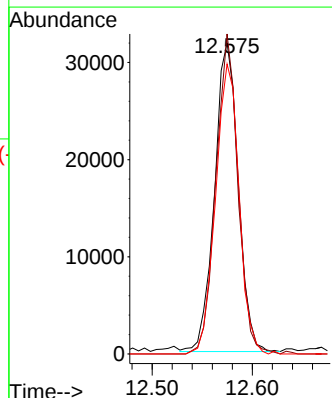
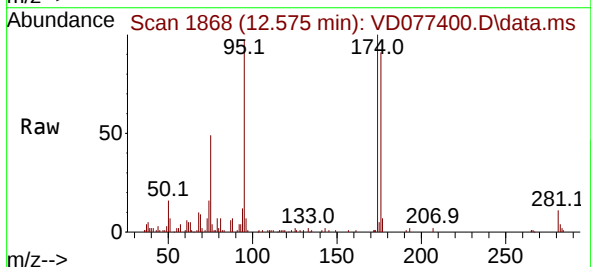
Tgt Ion: 95 Resp: 51987

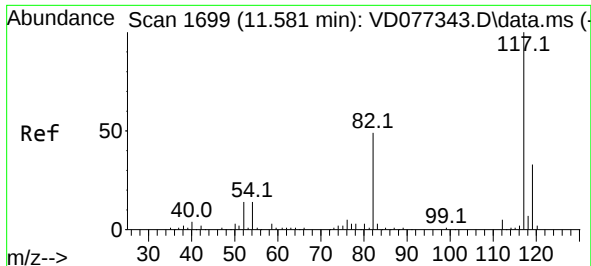
Ion Ratio Lower Upper

95 100

174 96.5 0.0 201.8

176 93.4 0.0 191.8

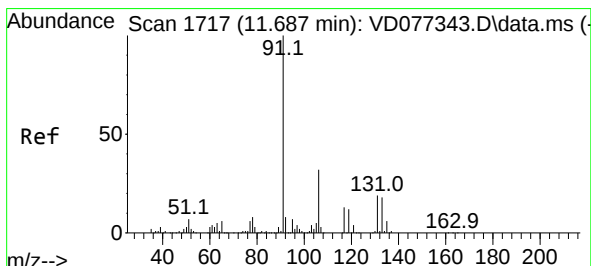
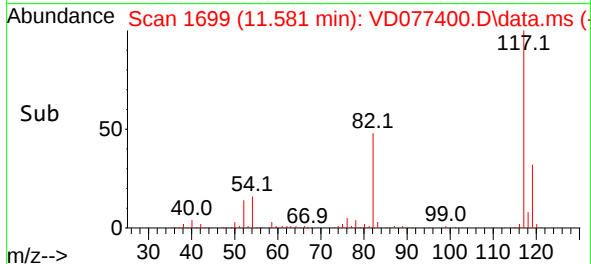
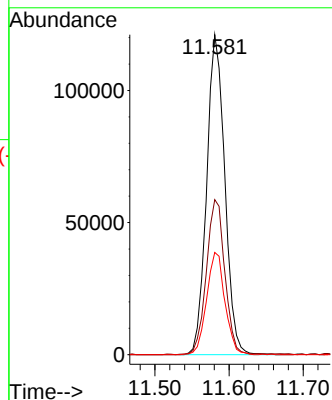
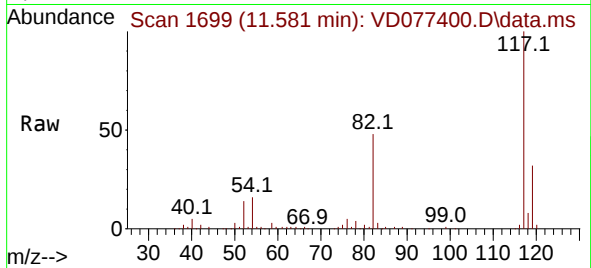




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

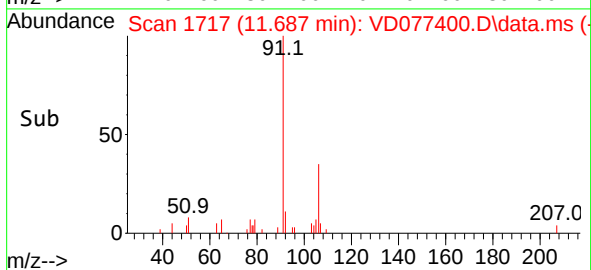
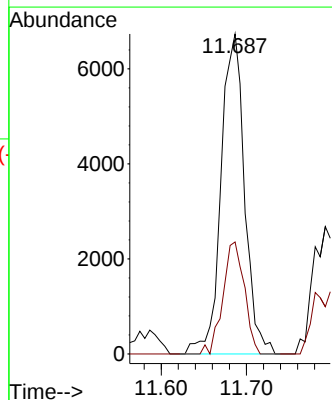
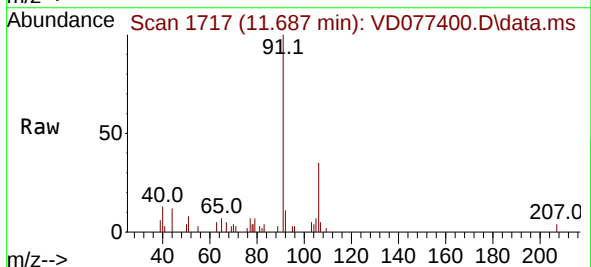
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

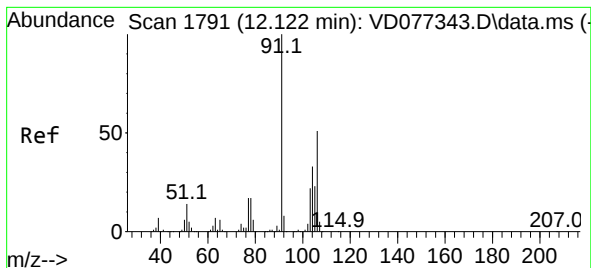
Tgt Ion:117 Resp: 205861
Ion Ratio Lower Upper
117 100
82 48.3 38.3 57.5
119 32.0 25.0 37.4



#67
Ethyl Benzene
Concen: 1.740 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion: 91 Resp: 12946
Ion Ratio Lower Upper
91 100
106 35.0 26.5 39.7





#69

o-Xylene

Concen: 1.230 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077400.D

Acq: 24 Oct 2023 17:43

Instrument :

MSVOA_D

ClientSampleId :

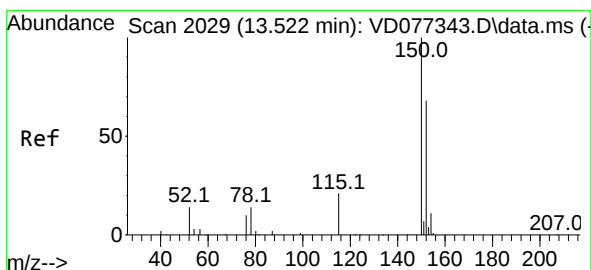
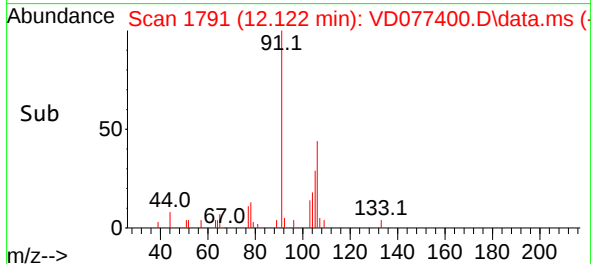
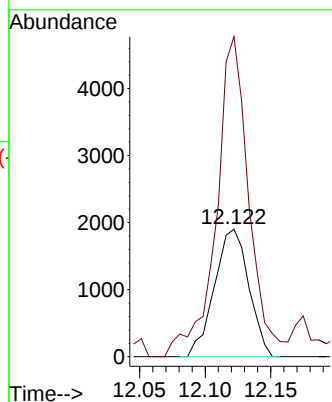
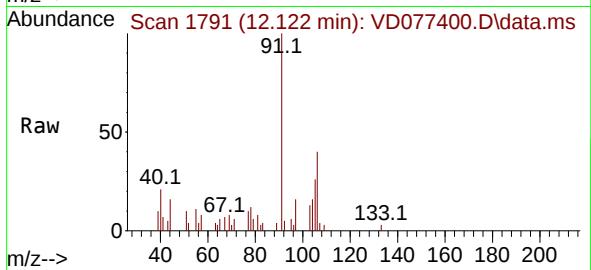
N-4(0-5)

Tgt Ion:106 Resp: 3458

Ion Ratio Lower Upper

106 100

91 238.5 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: VD077400.D

Acq: 24 Oct 2023 17:43

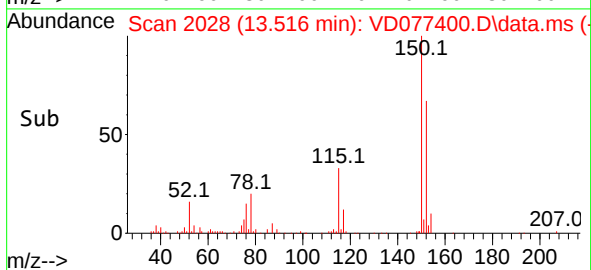
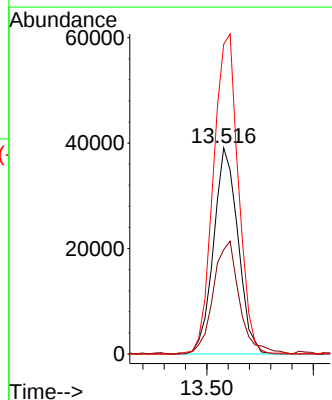
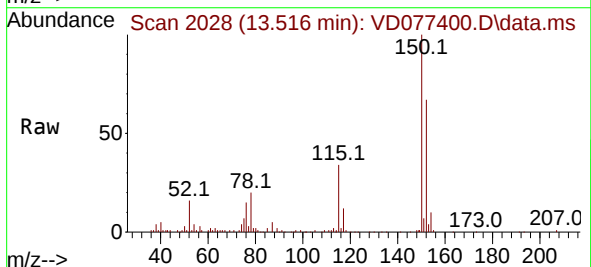
Tgt Ion:152 Resp: 62105

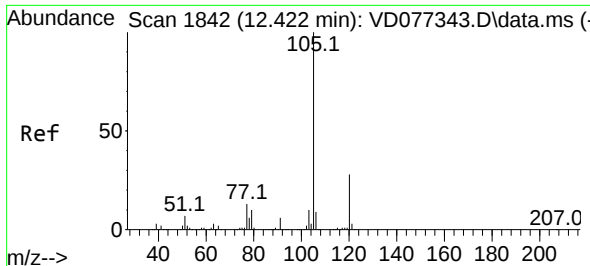
Ion Ratio Lower Upper

152 100

115 58.9 27.1 81.3

150 158.7 0.0 353.6

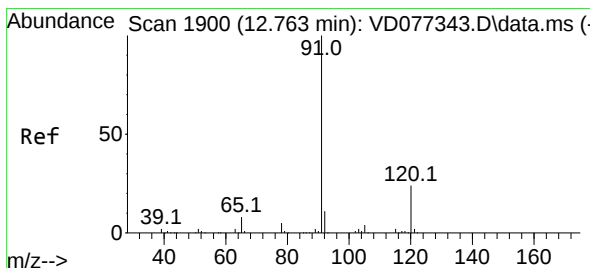
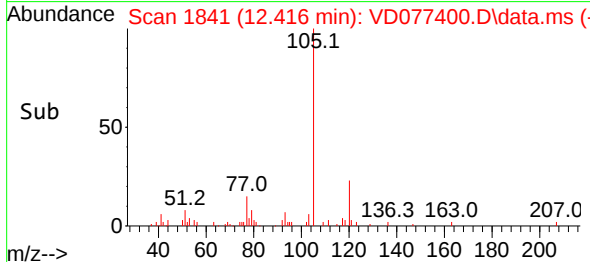
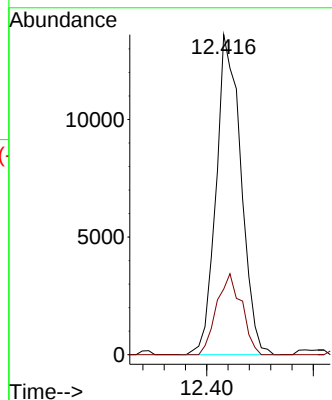
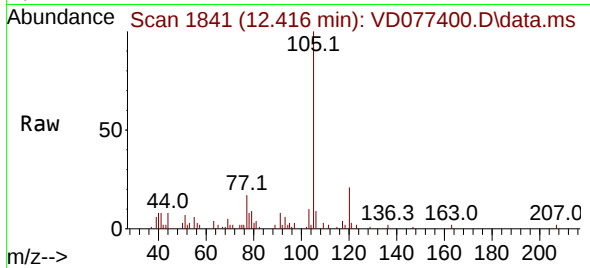




#73
Isopropylbenzene
Concen: 5.365 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

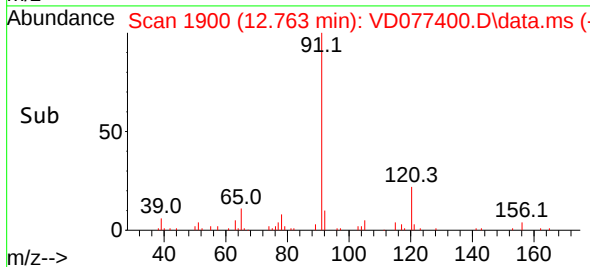
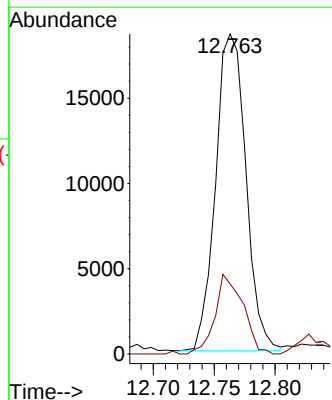
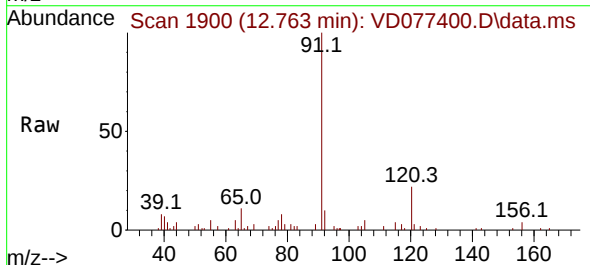
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

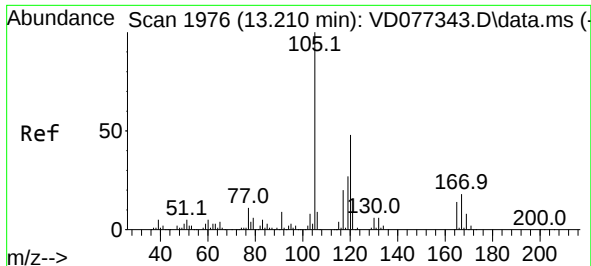
Tgt Ion:105 Resp: 22040
Ion Ratio Lower Upper
105 100
120 25.5 14.3 42.9



#78
n-propylbenzene
Concen: 6.508 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion: 91 Resp: 32199
Ion Ratio Lower Upper
91 100
120 23.1 12.4 37.2

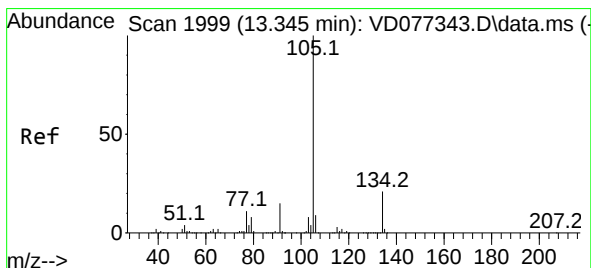
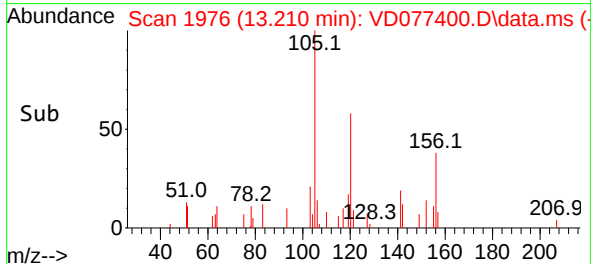
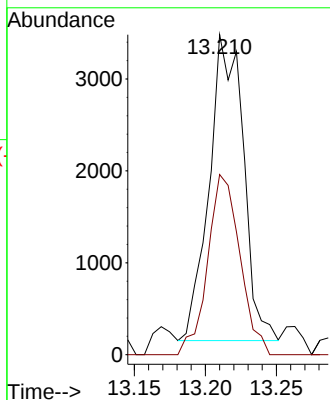
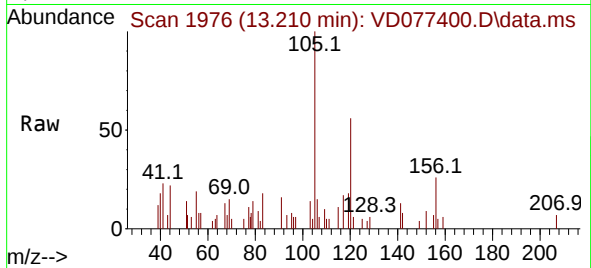




#84
1,2,4-Trimethylbenzene
Concen: 1.625 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)

Tgt Ion:105 Resp: 5546
Ion Ratio Lower Upper
105 100
120 55.7 24.3 72.9



#85
sec-Butylbenzene
Concen: 1.070 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VD077400.D
Acq: 24 Oct 2023 17:43

Tgt Ion:105 Resp: 4841
Ion Ratio Lower Upper
105 100
134 35.0 10.9 32.9#

