

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077201.D
 Acq On : 22 Sep 2023 16:04
 Operator : JC/SY
 Sample : 04527-10
 Misc : 5.03G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 23:43:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 23:41:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	262503	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	291944	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	136905	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	115656	17.881	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.520%		
7) Chloroethane-d5	2.799	69	105714	19.874	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.480%		
11) 1,1-Dichloroethene-d2	3.911	65	19142	13.028	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	52.120%		
21) 2-Butanone-d5	6.981	46	35127	43.108	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.220%		
24) Chloroform-d	7.563	84	144144	20.068	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	80.280%		
26) 1,2-Dichloroethane-d4	8.234	65	77954	22.898	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	91.600%		
32) Benzene-d6	8.199	84	295363	18.318	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	73.280%		
36) 1,2-Dichloropropane-d6	9.210	67	97119	21.003	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	84.000%		
41) Toluene-d8	10.269	98	271865	18.419	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	73.680%		
43) trans-1,3-Dichloroprop...	10.528	79	37699	17.893	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	71.560%		
47) 2-Hexanone-d5	10.881	63	26415	35.766	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	71.540%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	72210	17.517	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	70.080%		
66) 1,2-Dichlorobenzene-d4	13.816	152	84982	19.339	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	77.360%		
Target Compounds					Qvalue	
13) Acetone	4.022	43	1977	1.691	ug/L	69
15) Methyl Acetate	4.575	43	562	0.359	ug/L #	100
16) Methylene chloride	4.793	84	5509	1.031	ug/L	94
25) Chloroform	7.599	83	11948	1.654	ug/L	93
35) Methylcyclohexane	9.269	83	4796	0.669	ug/L #	78
42) Toluene	10.340	91	7767	0.409	ug/L	97
45) 1,1,2-Trichloroethane	10.710	97	10035	2.681	ug/L #	17
48) 2-Hexanone	10.887	43	10081	5.377	ug/L #	34
52) Ethylbenzene	11.681	91	1297080	63.096	ug/L	100
53) m,p-Xylene	11.787	106	2892049	364.335	ug/L	96
54) o-Xylene	12.122	106	1034139	134.966	ug/L	99
55) Styrene	12.122	104	53754	3.926	ug/L #	1
60) Isopropylbenzene	12.422	105	20087	1.138	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	15105	1.107	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	44748	3.347	ug/L	94
71) Naphthalene	15.333	128	62167	6.559	ug/L	99

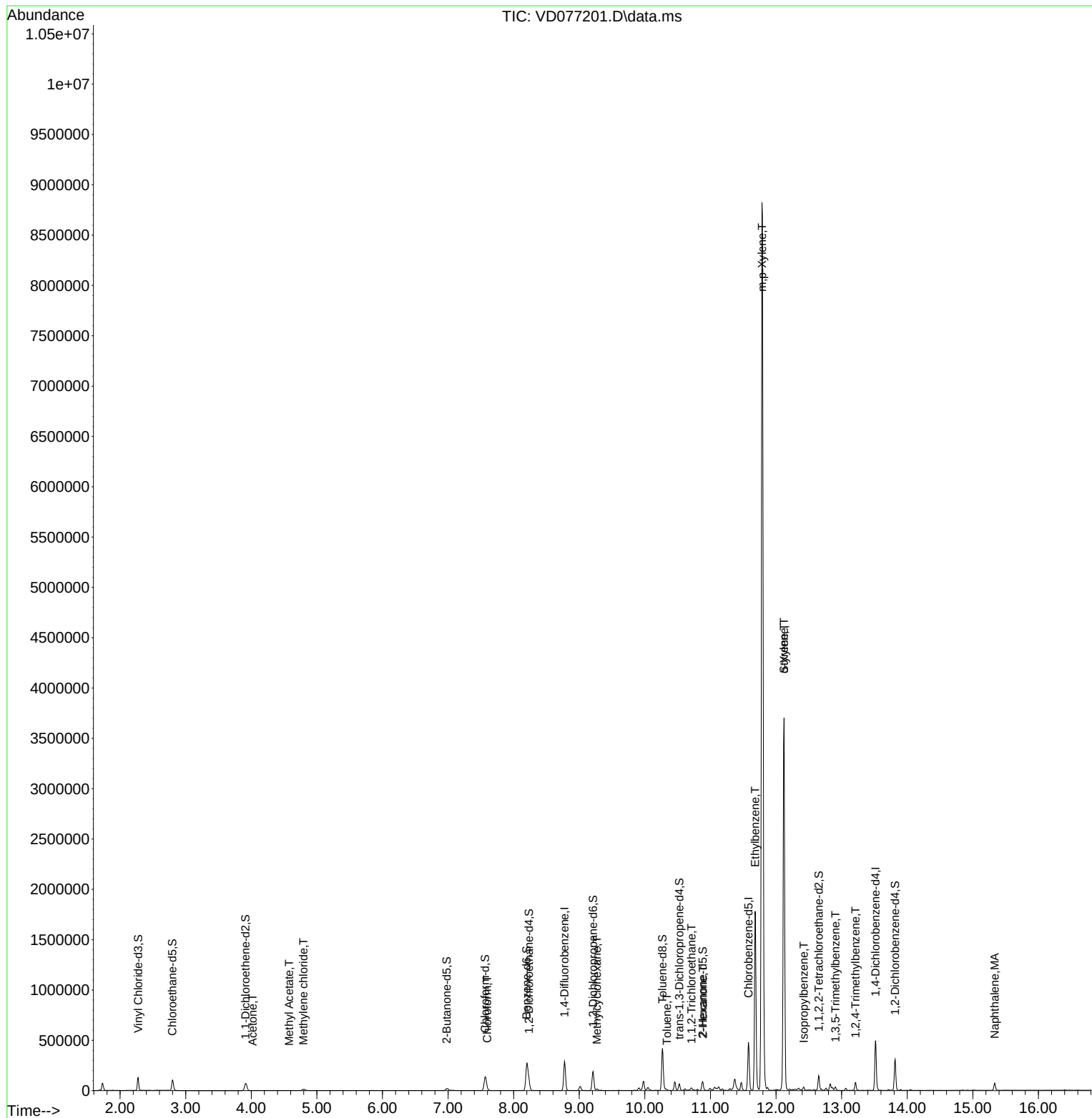
(#) = qualifier out of range (m) = manual integration (+) = signals summed

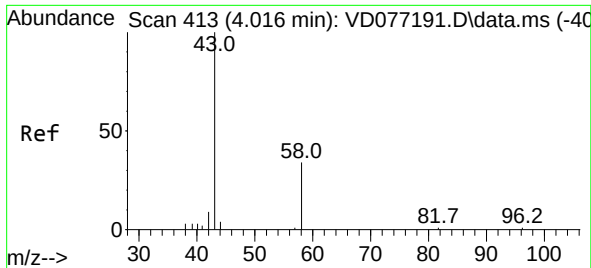
Instrument :
MSVOA_D
ClientSampleId :

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ClientSampleId :

Quant Time: Sep 22 23:43:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Sep 22 23:41:10 2023
Response via : Initial Calibration





#13

Acetone

Concen: 1.691 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Instrument :

MSVOA_D

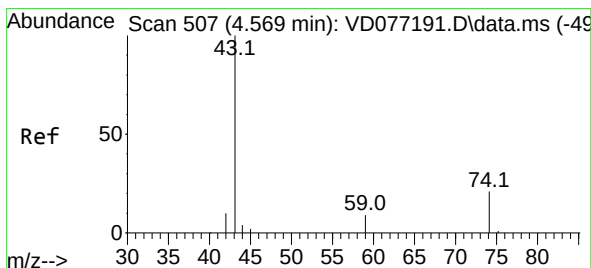
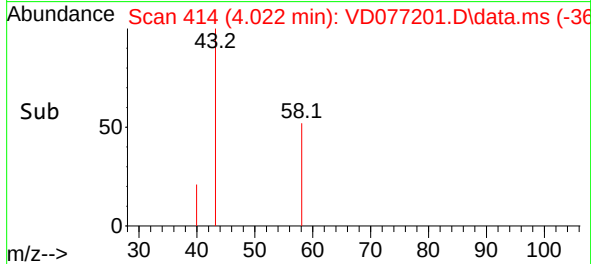
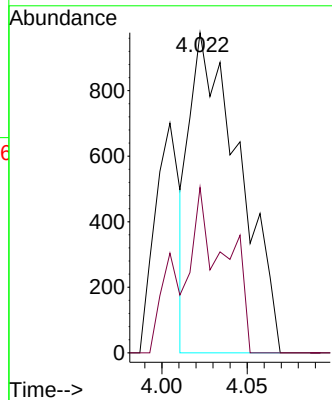
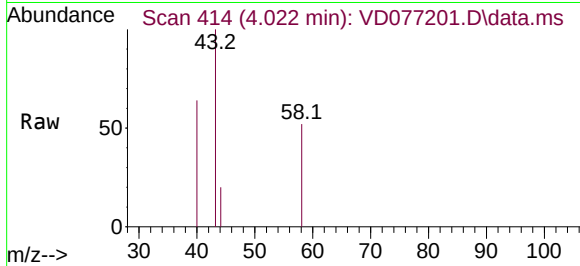
ClientSampleId :

Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

43 100

58 17.9 0.0 71.8



#15

Methyl Acetate

Concen: 0.359 ug/L

RT: 4.575 min Scan# 508

Delta R.T. 0.006 min

Lab File: VD077201.D

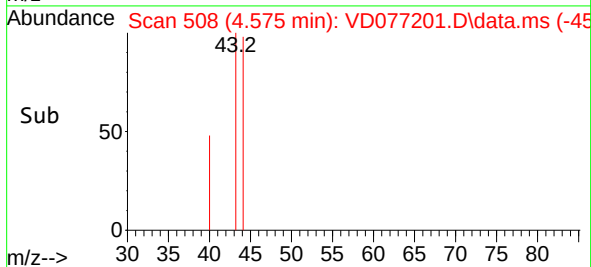
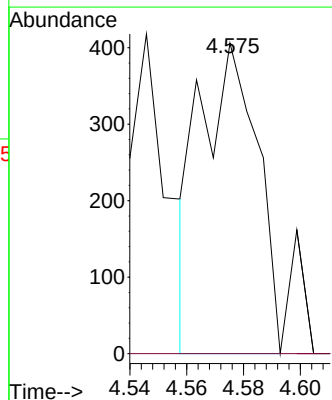
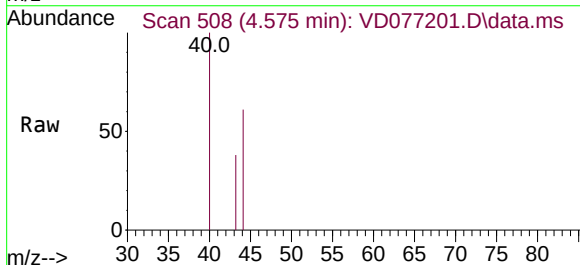
Acq: 22 Sep 2023 16:04

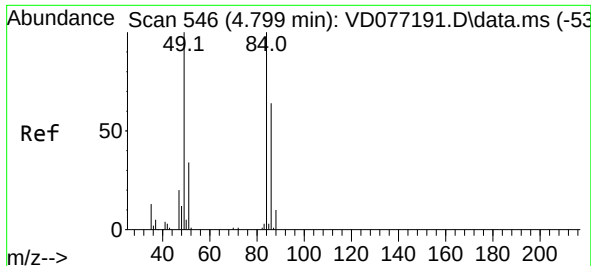
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

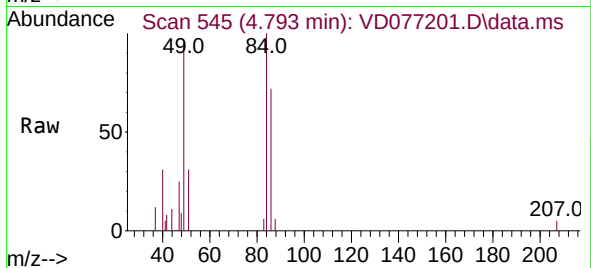
74 0.0 0.2 0.2#



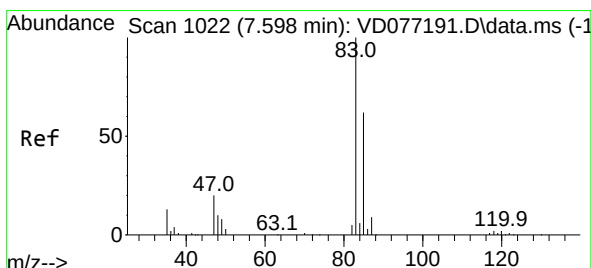
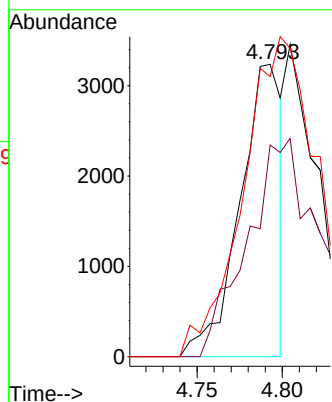
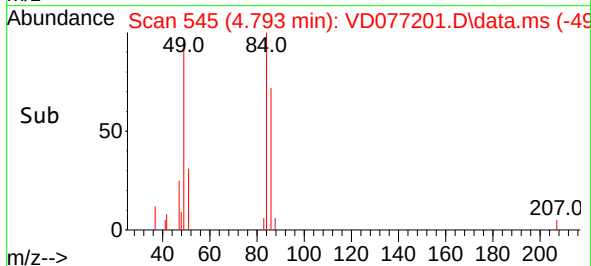


#16
Methylene chloride
Concen: 1.031 ug/L
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

Instrument :
MSVOA_D
ClientSampleId :

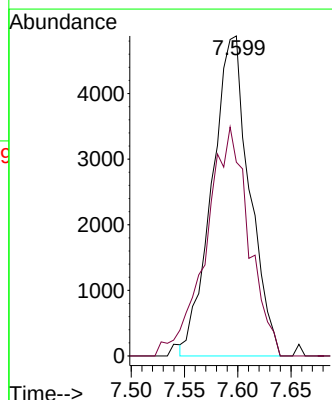
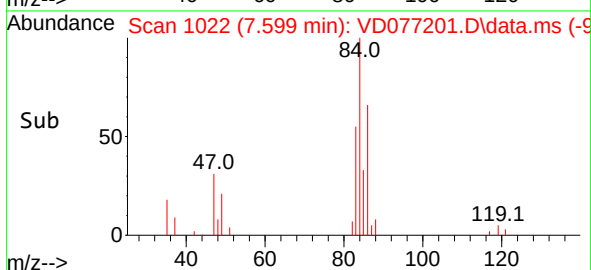
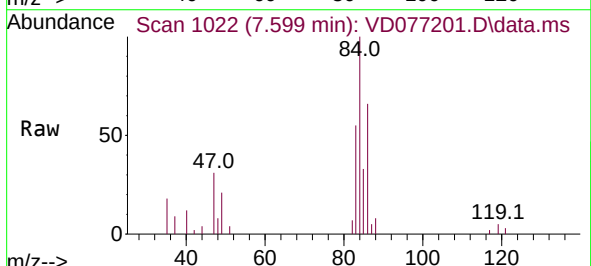


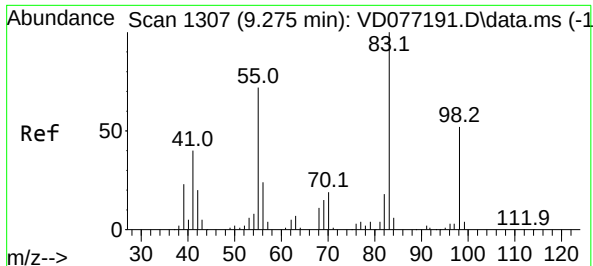
Tgt Ion: 84 Resp: 5509
Ion Ratio Lower Upper
84 100
86 72.4 45.3 84.1
49 95.8 69.2 128.6



#25
Chloroform
Concen: 1.654 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

Tgt Ion: 83 Resp: 11948
Ion Ratio Lower Upper
83 100
85 60.6 46.2 85.8





#35

Methylcyclohexane

Concen: 0.669 ug/L

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Instrument :

MSVOA_D

ClientSampleId :

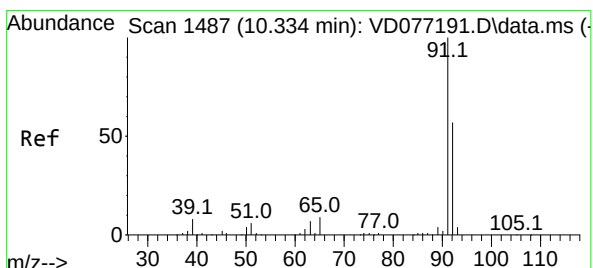
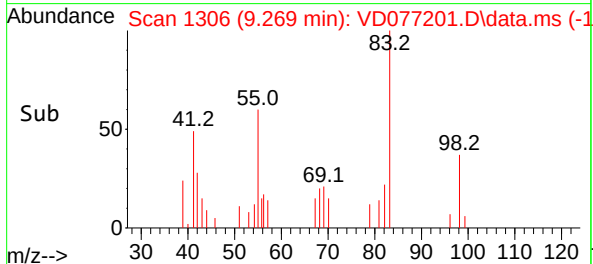
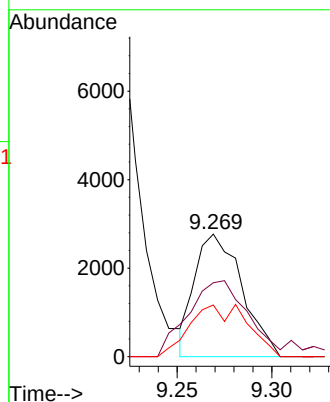
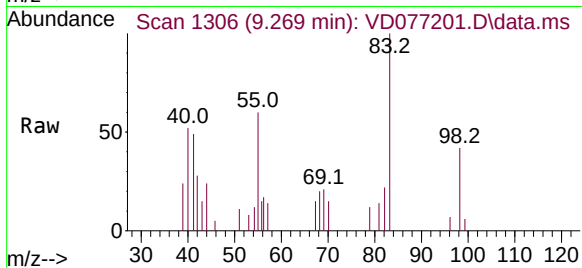
Tgt Ion: 83 Resp: 4796

Ion Ratio Lower Upper

83 100

55 78.3 51.5 77.3#

98 32.1 40.7 61.1#



#42

Toluene

Concen: 0.409 ug/L

RT: 10.340 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VD077201.D

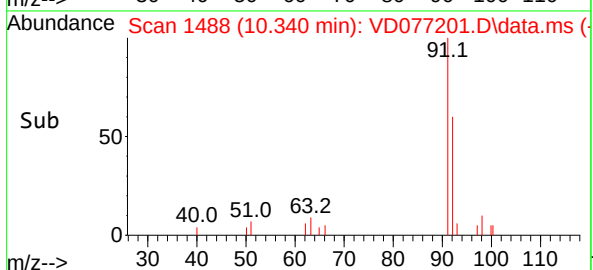
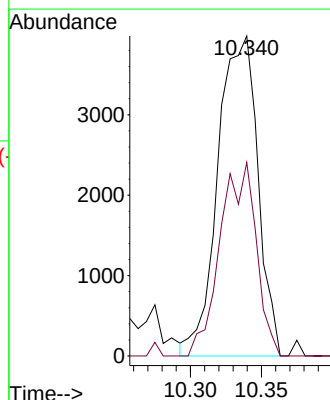
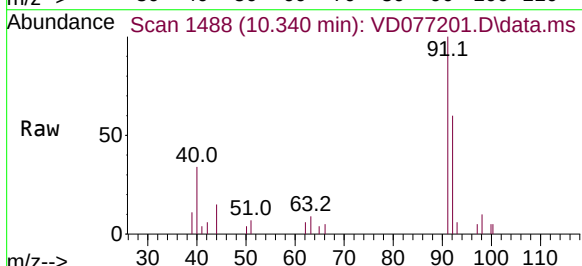
Acq: 22 Sep 2023 16:04

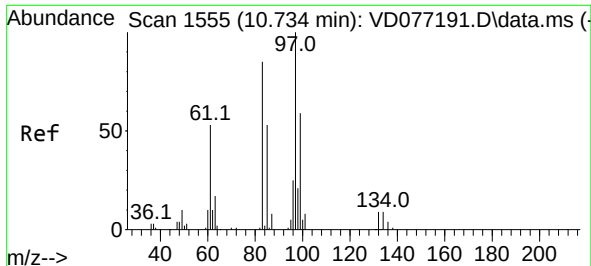
Tgt Ion: 91 Resp: 7767

Ion Ratio Lower Upper

91 100

92 60.5 40.8 75.8





#45

1,1,2-Trichloroethane

Concen: 2.681 ug/L

RT: 10.710 min Scan# 1551

Delta R.T. -0.023 min

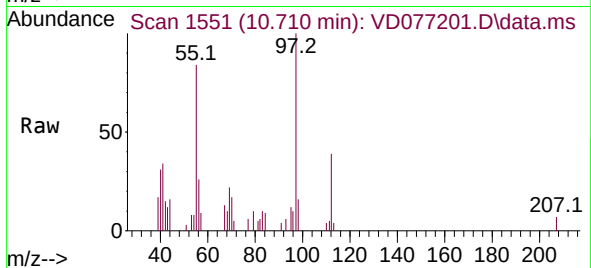
Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 10035

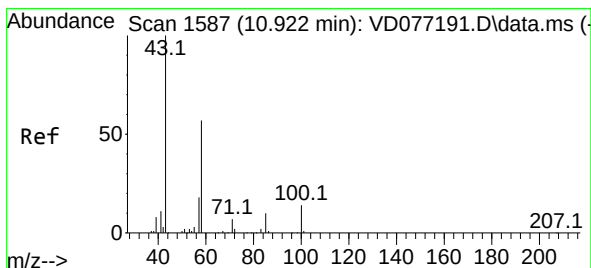
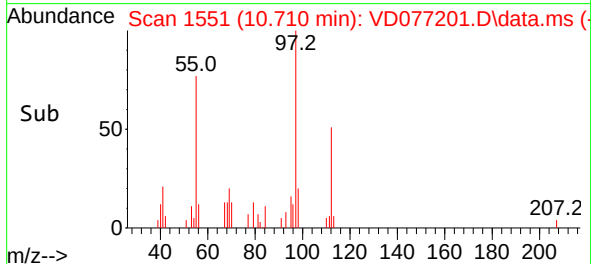
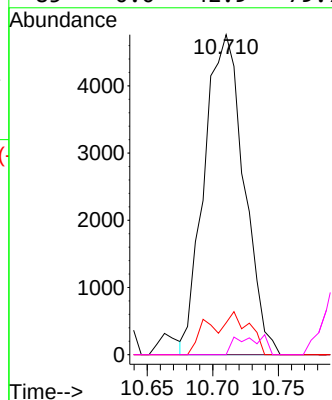
Ion Ratio Lower Upper

97 100

99 0.0 46.1 85.5#

83 9.9 64.3 119.3#

85 0.0 42.9 79.7#



#48

2-Hexanone

Concen: 5.377 ug/L

RT: 10.887 min Scan# 1581

Delta R.T. -0.035 min

Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Tgt Ion: 43 Resp: 10081

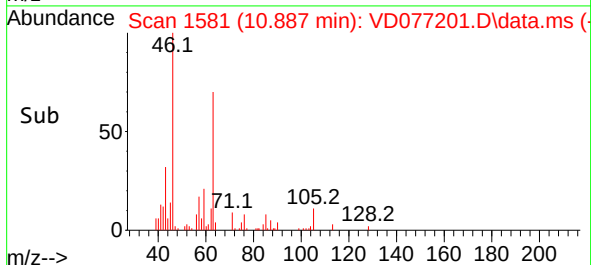
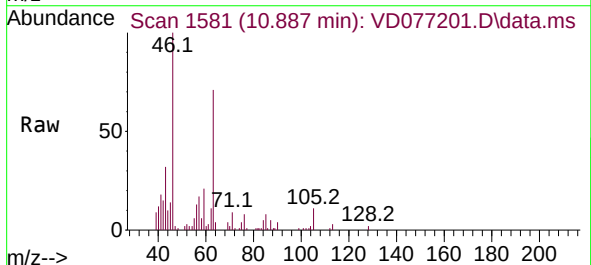
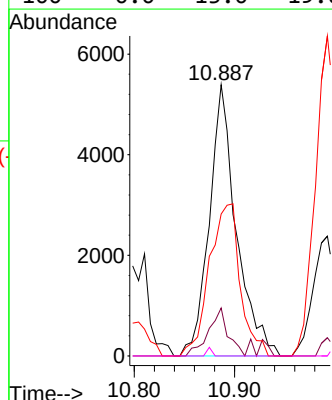
Ion Ratio Lower Upper

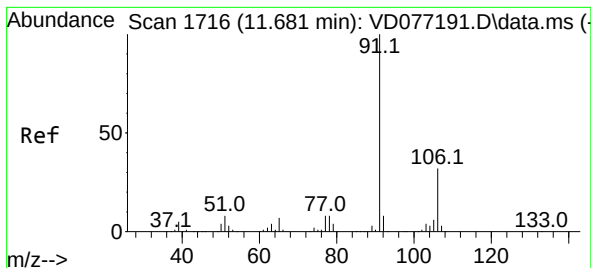
43 100

58 12.9 50.6 75.8#

57 63.9 16.6 24.8#

100 0.0 13.0 19.6#

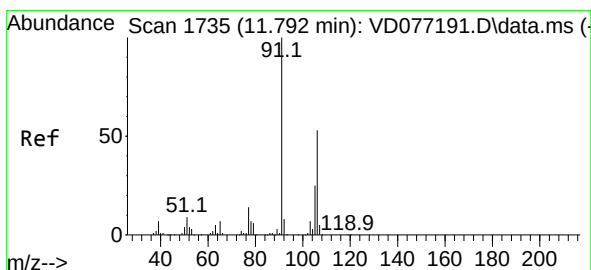
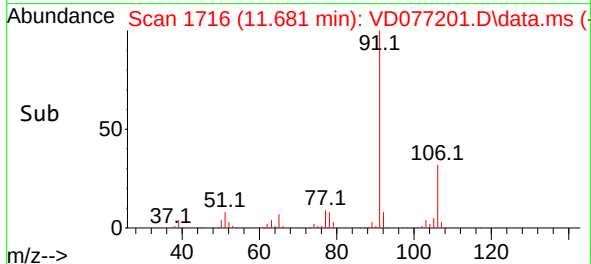
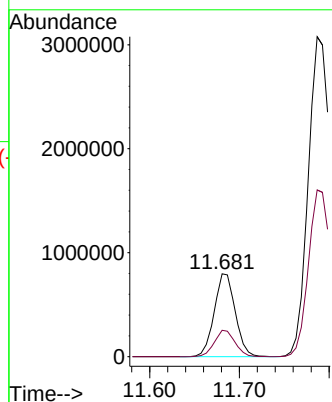
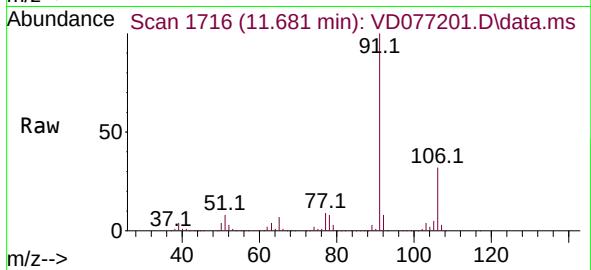




#52
Ethylbenzene
Concen: 63.096 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

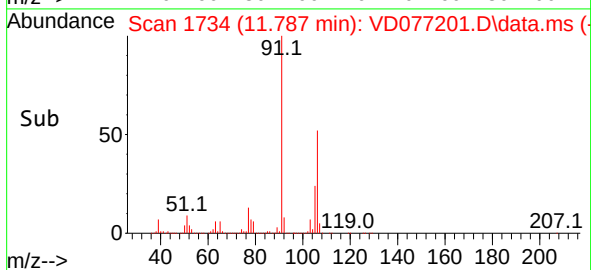
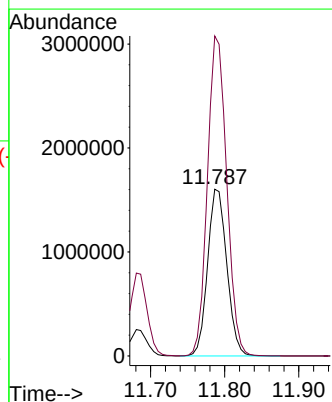
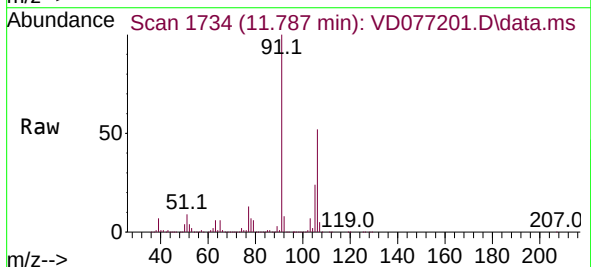
Instrument :
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ClientSampleId :

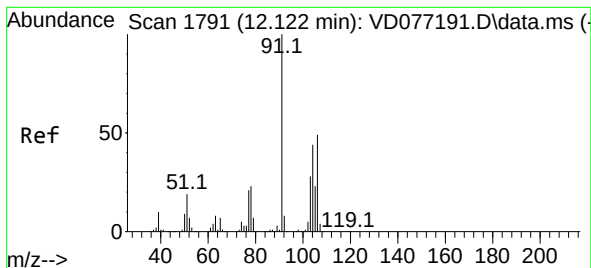
Tgt Ion: 91 Resp: 1297080
Ion Ratio Lower Upper
91 100
106 31.9 22.1 41.1



#53
m,p-Xylene
Concen: 364.335 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

Tgt Ion:106 Resp: 2892049
Ion Ratio Lower Upper
106 100
91 191.9 138.2 256.6

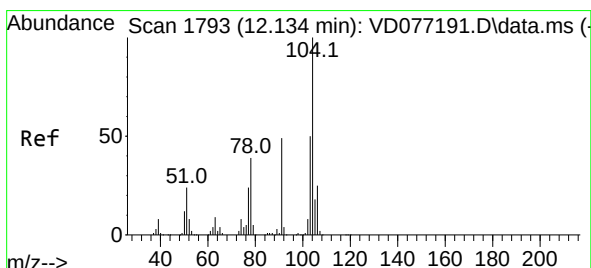
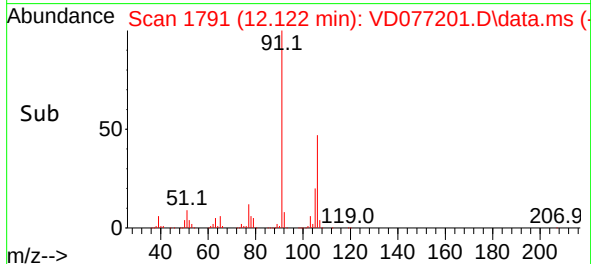
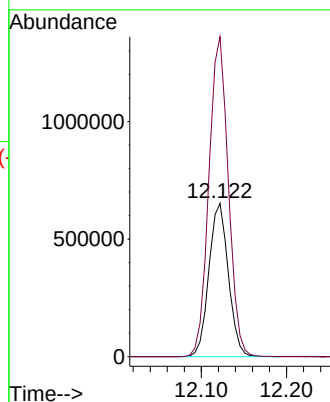
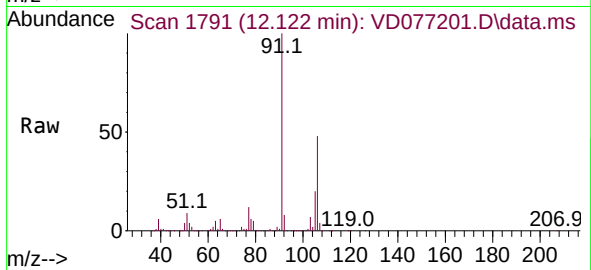




#54
o-Xylene
Concen: 134.966 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

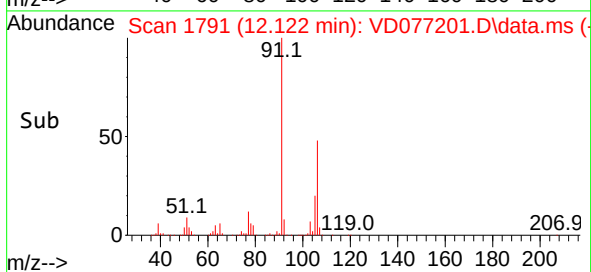
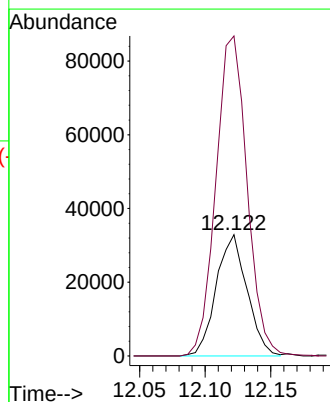
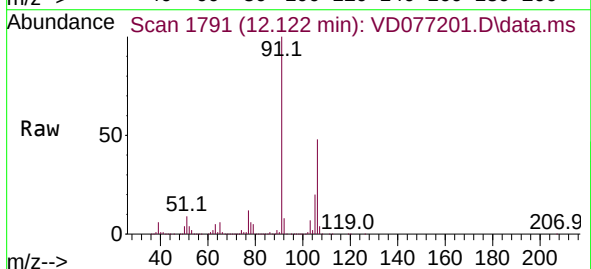
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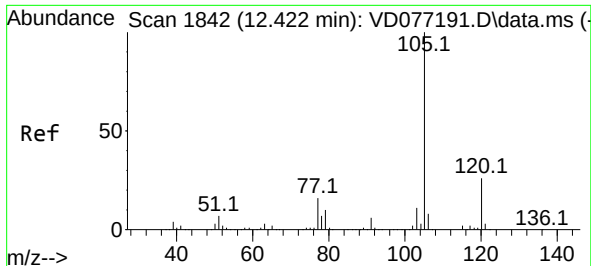
Tgt Ion:106 Resp: 1034139
Ion Ratio Lower Upper
106 100
91 208.7 146.9 272.7



#55
Styrene
Concen: 3.926 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

Tgt Ion:104 Resp: 53754
Ion Ratio Lower Upper
104 100
78 263.7 27.8 51.6#

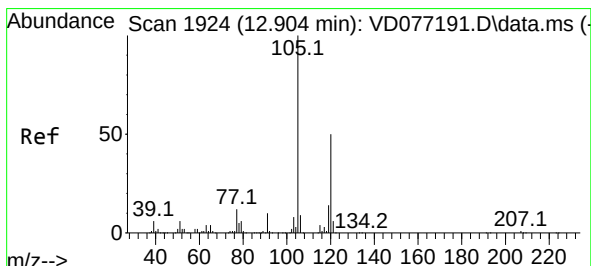
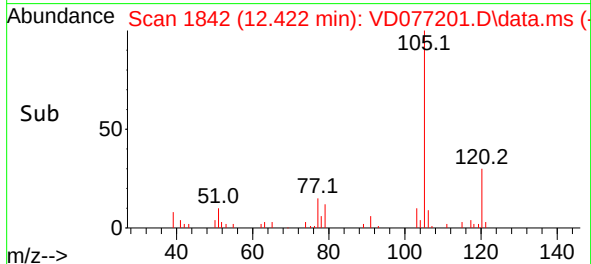
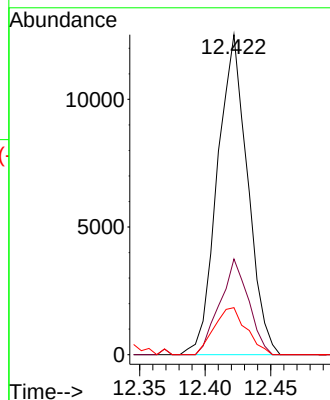
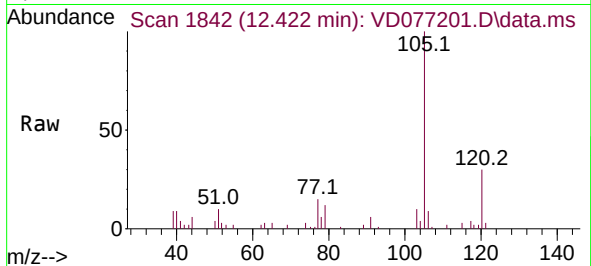




#60
Isopropylbenzene
Concen: 1.138 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

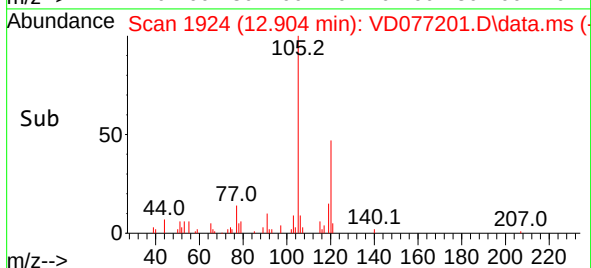
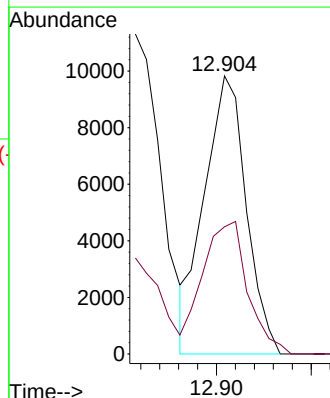
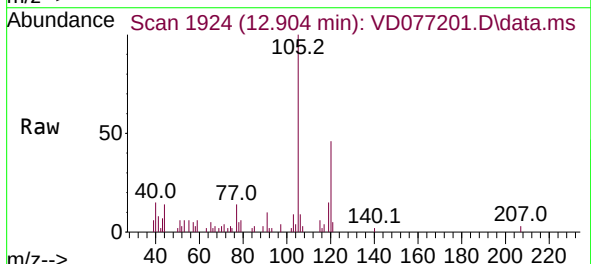
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ClientSampleId :

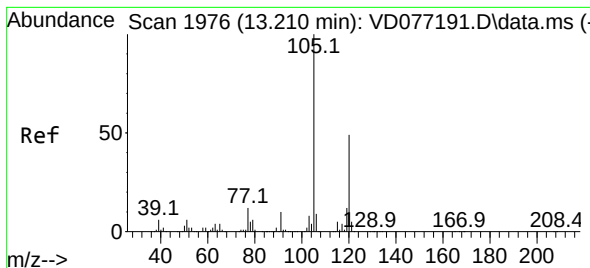
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Ion Ratio Lower Upper
105 100
120 28.3 21.8 32.6
77 15.7 11.9 17.9



#62
1,3,5-Trimethylbenzene
Concen: 1.107 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077201.D
Acq: 22 Sep 2023 16:04

Tgt Ion:105 Resp: 15105
Ion Ratio Lower Upper
105 100
120 51.5 40.2 60.2





#63

1,2,4-Trimethylbenzene

Concen: 3.347 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Instrument :

MSVOA_D

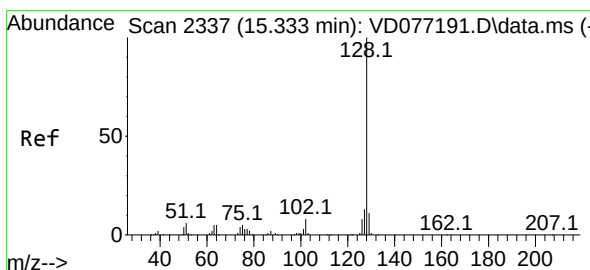
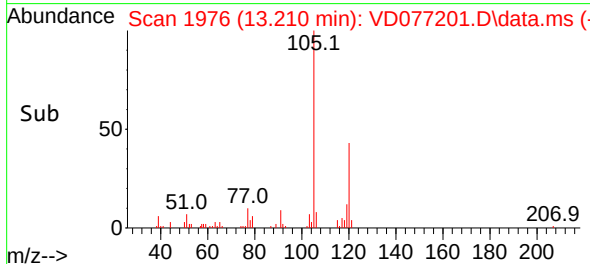
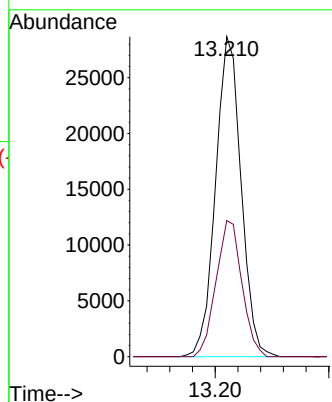
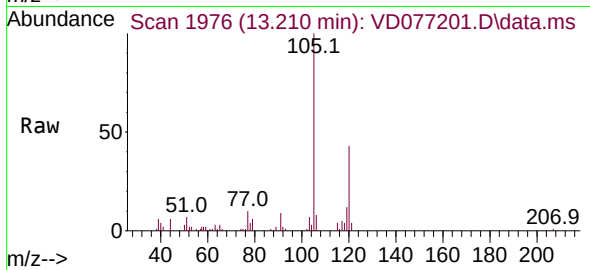
ClientSampleId :

Tgt Ion:105 Resp: 44748

Ion Ratio Lower Upper

105 100

120 43.0 37.8 56.8



#71

Naphthalene

Concen: 6.559 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD077201.D

Acq: 22 Sep 2023 16:04

Tgt Ion:128 Resp: 62167

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.5 8.6 13.0

