

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077202.D
 Acq On : 22 Sep 2023 16:31
 Operator : JC/SY
 Sample : 04527-11
 Misc : 5.42G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 23:44:09 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	240890	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	270383	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	129195	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	101374	17.079	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.320%
7) Chloroethane-d5	2.799	69	78049	15.990	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.960%
11) 1,1-Dichloroethene-d2	3.917	65	25525	18.931	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.720%
21) 2-Butanone-d5	6.987	46	38805	51.895	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.780%
24) Chloroform-d	7.563	84	40872	6.201	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	24.800%#
26) 1,2-Dichloroethane-d4	8.228	65	81022	25.934	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.720%
32) Benzene-d6	8.199	84	275932	18.477	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.920%
36) 1,2-Dichloropropane-d6	9.205	67	96813	22.606	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.440%
41) Toluene-d8	10.269	98	253679	18.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.240%
43) trans-1,3-Dichloroprop...	10.528	79	39136	20.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.240%
47) 2-Hexanone-d5	10.875	63	25840	37.778	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.560%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	2244	0.588	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	2.360%#
66) 1,2-Dichlorobenzene-d4	13.810	152	86757	20.921	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.680%
Target Compounds						Qvalue
13) Acetone	4.017	43	16164	15.069	ug/L	83
15) Methyl Acetate	4.564	43	4799	3.345	ug/L #	93
16) Methylene chloride	4.799	84	9424	1.922	ug/L	87
22) 2-Butanone	7.093	43	2216	1.712	ug/L	90
25) Chloroform	7.593	83	105971	15.981	ug/L	94
34) Trichloroethene	9.028	95	7427	1.724	ug/L	94
35) Methylcyclohexane	9.269	83	6026	0.907	ug/L	88
40) 4-Methyl-2-pentanone	10.157	43	2324	1.032	ug/L #	75
42) Toluene	10.334	91	5835	0.332	ug/L	94
45) 1,1,2-Trichloroethane	10.710	97	9665	2.788	ug/L #	15
52) Ethylbenzene	11.681	91	536780	28.194	ug/L	98
53) m,p-Xylene	11.787	106	1173684	159.649	ug/L	97
54) o-Xylene	12.122	106	462086	65.116	ug/L	98
55) Styrene	12.122	104	24671	1.945	ug/L #	1
60) Isopropylbenzene	12.422	105	10704	0.643	ug/L #	93
62) 1,3,5-Trimethylbenzene	12.904	105	10467	0.813	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	31688	2.511	ug/L	99
71) Naphthalene	15.334	128	108979	12.183	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Fri Sep 22 23:41:10 2023
Response via : Initial Calibration

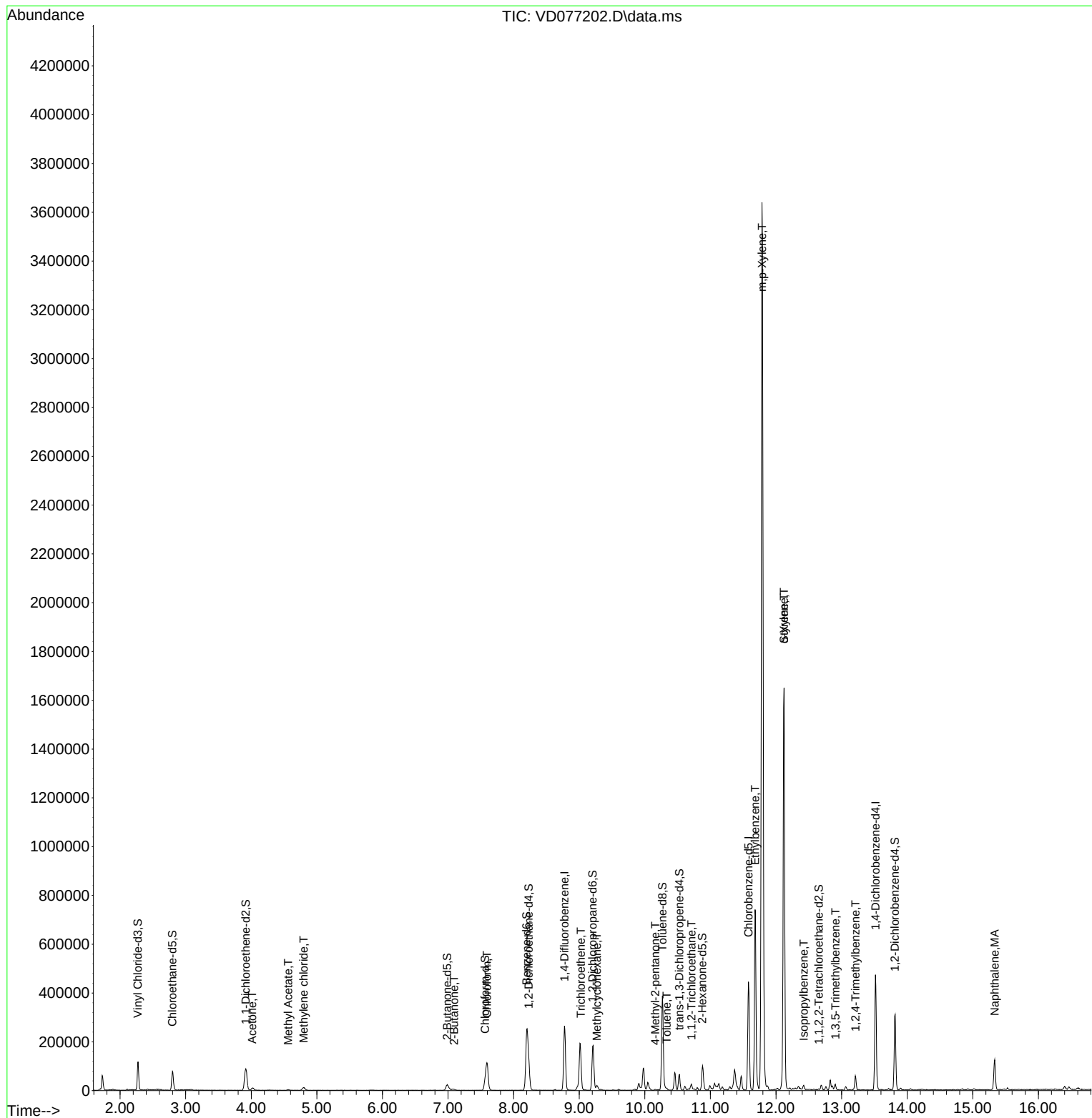
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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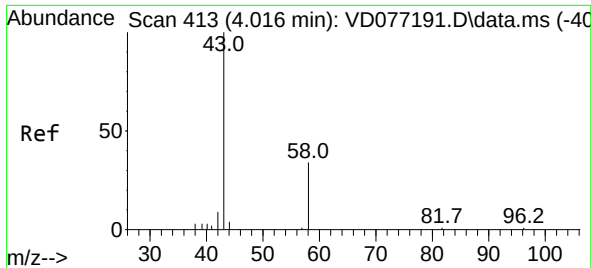
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Fri Sep 22 23:41:10 2023
Response via : Initial Calibration





#13

Acetone

Concen: 15.069 ug/L

RT: 4.017 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD077202.D

Acq: 22 Sep 2023 16:31

Instrument :

MSVOA_D

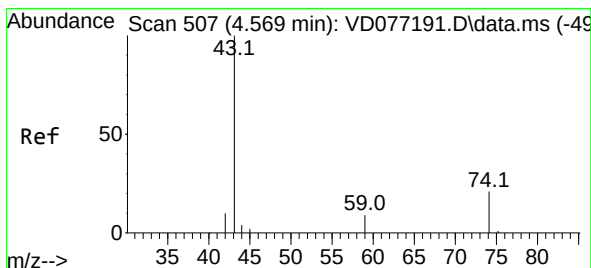
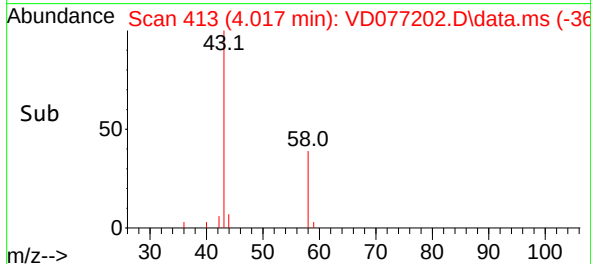
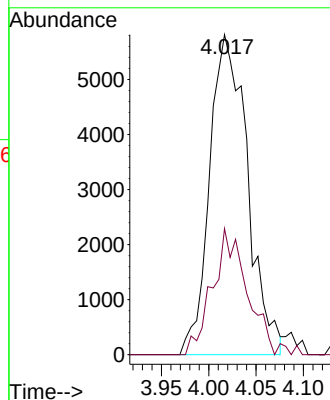
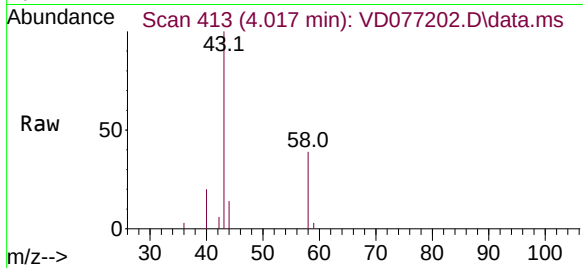
ClientSampleId :

Tgt Ion: 43 Resp: 16164

Ion Ratio Lower Upper

43 100

58 25.7 0.0 71.8



#15

Methyl Acetate

Concen: 3.345 ug/L

RT: 4.564 min Scan# 506

Delta R.T. -0.006 min

Lab File: VD077202.D

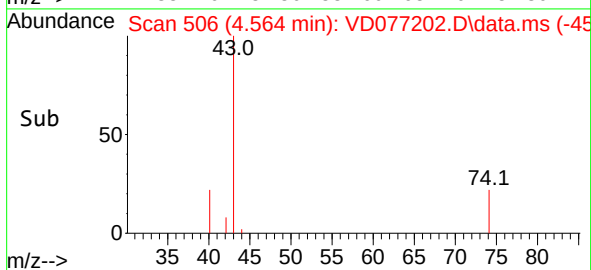
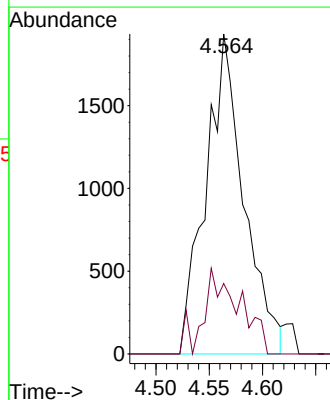
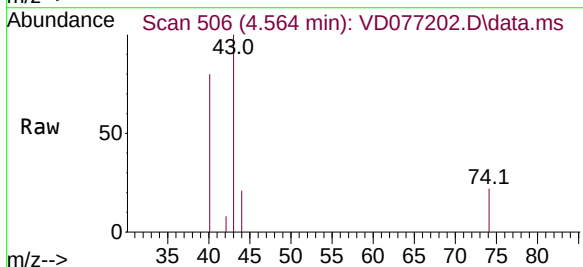
Acq: 22 Sep 2023 16:31

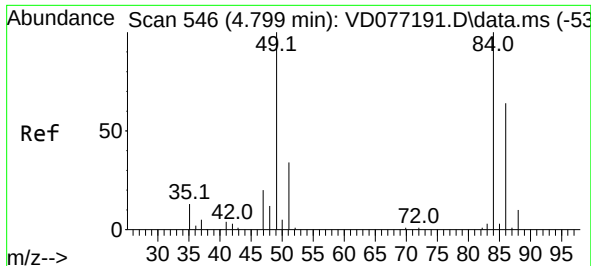
Tgt Ion: 43 Resp: 4799

Ion Ratio Lower Upper

43 100

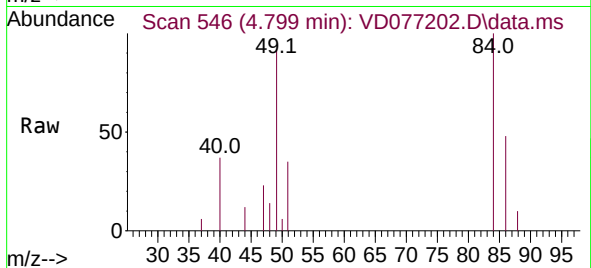
74 8.9 0.2 0.2#



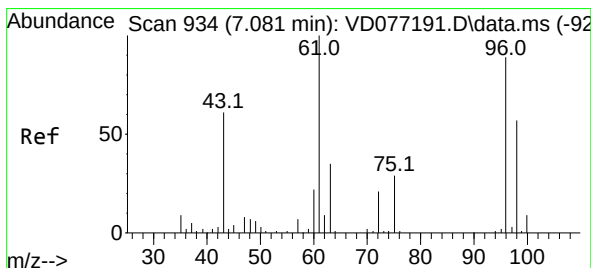
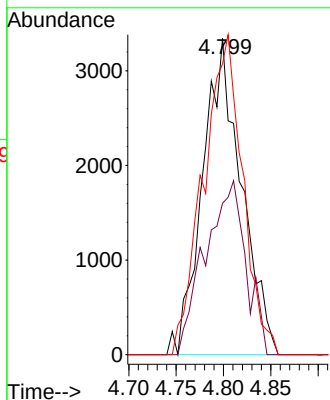
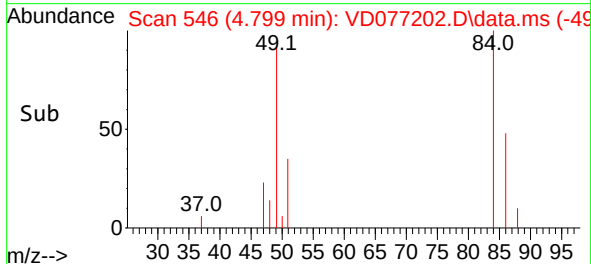


#16
Methylene chloride
Concen: 1.922 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

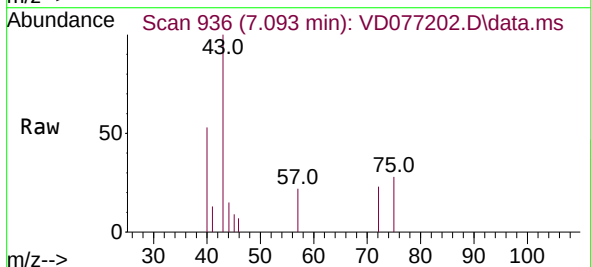
Instrument :
MSVOA_D
ClientSampleId :



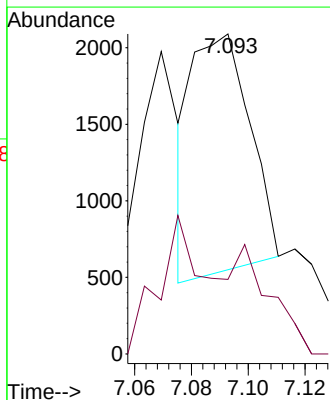
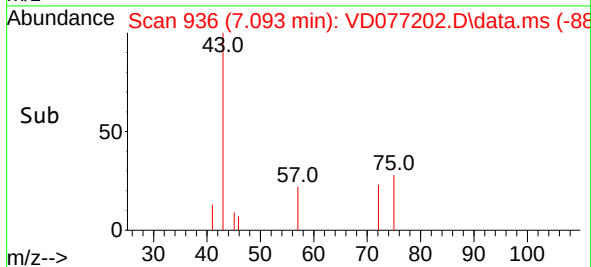
Tgt Ion: 84 Resp: 9424
Ion Ratio Lower Upper
84 100
86 47.8 45.3 84.1
49 91.8 69.2 128.6

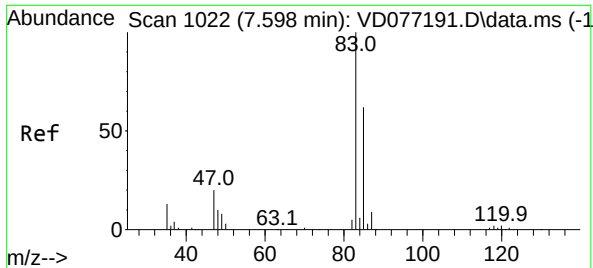


#22
2-Butanone
Concen: 1.712 ug/L
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31



Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
72 26.5 16.0 48.0





#25

Chloroform

Concen: 15.981 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD077202.D

Acq: 22 Sep 2023 16:31

Instrument :

MSVOA_D

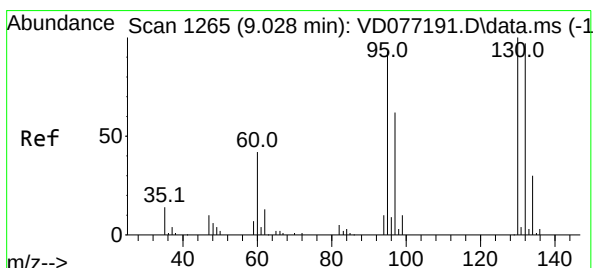
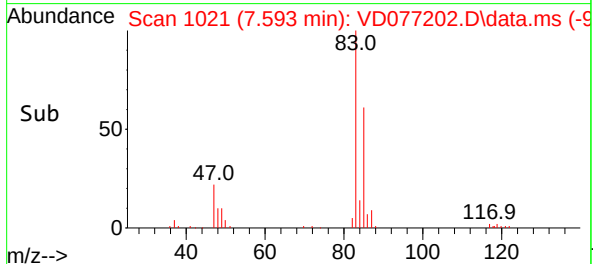
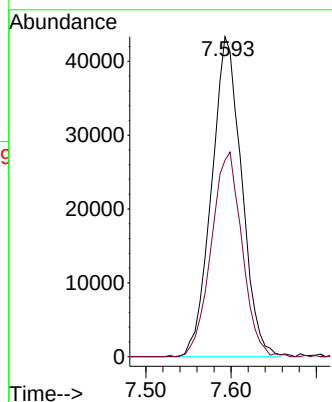
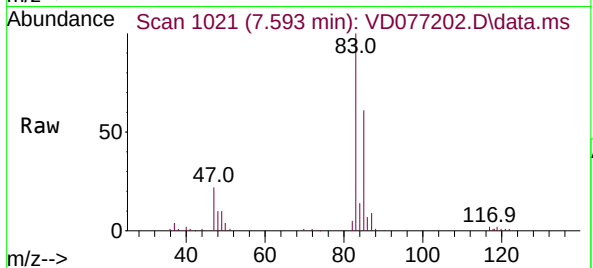
ClientSampleId :

Tgt Ion: 83 Resp: 105971

Ion Ratio Lower Upper

83 100

85 61.4 46.2 85.8



#34

Trichloroethene

Concen: 1.724 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD077202.D

Acq: 22 Sep 2023 16:31

Tgt Ion: 95 Resp: 7427

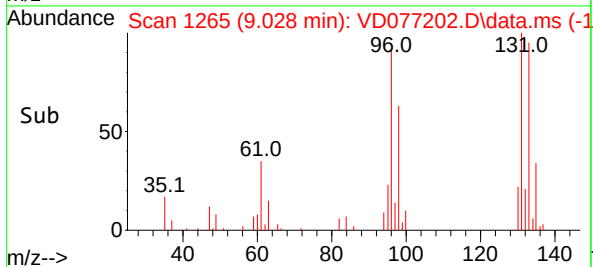
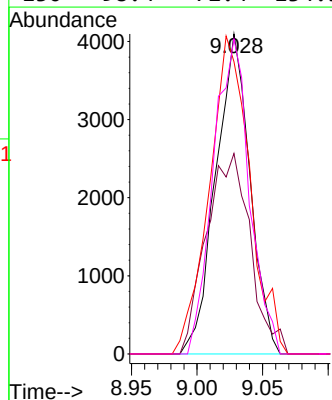
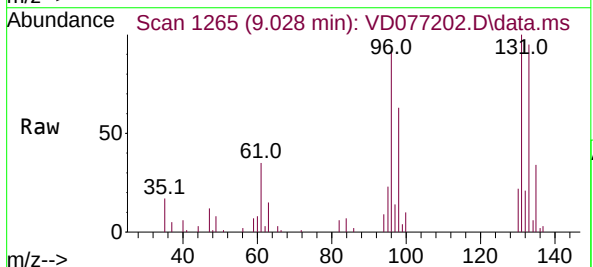
Ion Ratio Lower Upper

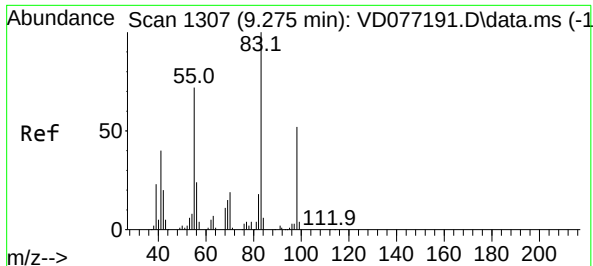
95 100

97 62.7 46.4 86.2

132 91.3 70.1 130.1

130 98.4 72.4 134.5

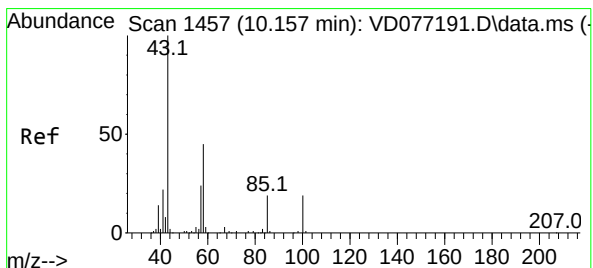
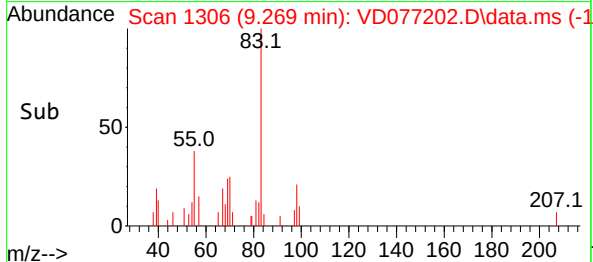
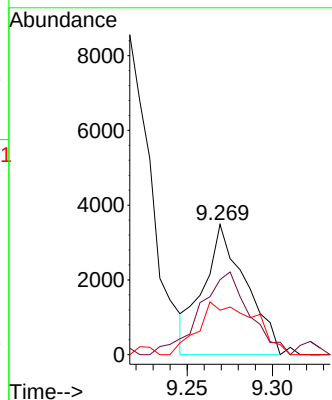
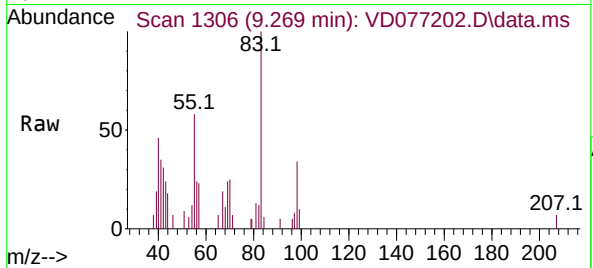




#35
Methylcyclohexane
Concen: 0.907 ug/L
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

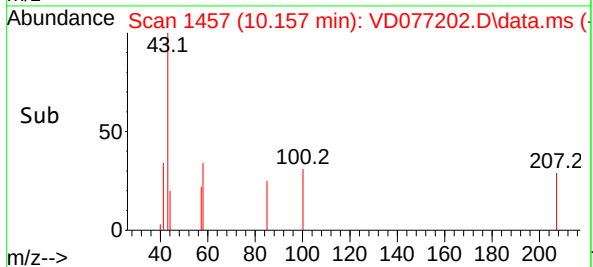
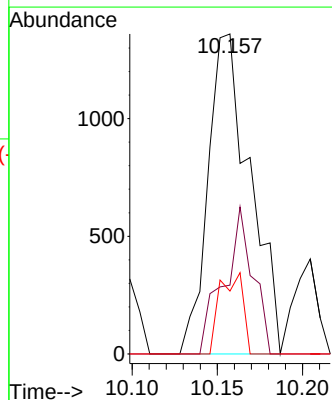
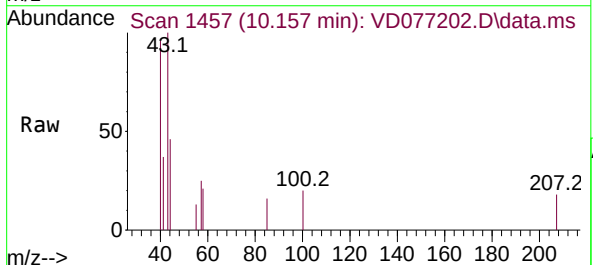
Instrument :
MSVOA_D
ClientSampleId :

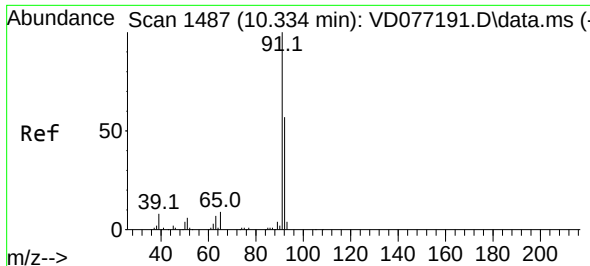
Tgt Ion: 83 Resp: 6026
Ion Ratio Lower Upper
83 100
55 74.2 51.5 77.3
98 43.6 40.7 61.1



#40
4-Methyl-2-pentanone
Concen: 1.032 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

Tgt Ion: 43 Resp: 2324
Ion Ratio Lower Upper
43 100
58 23.5 34.6 51.8#
100 14.1 16.2 24.4#

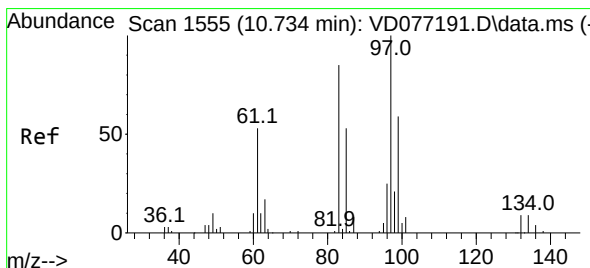
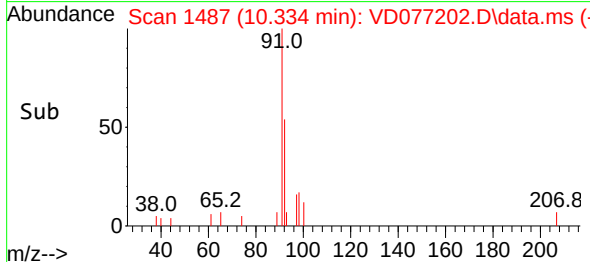
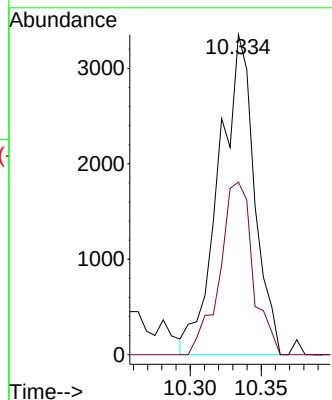
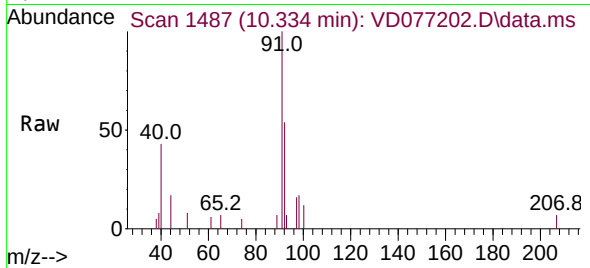




#42
Toluene
Concen: 0.332 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

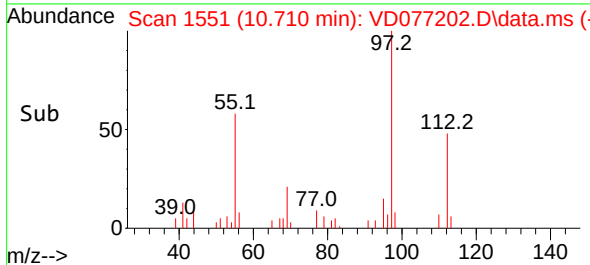
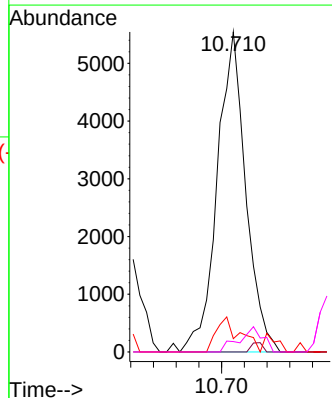
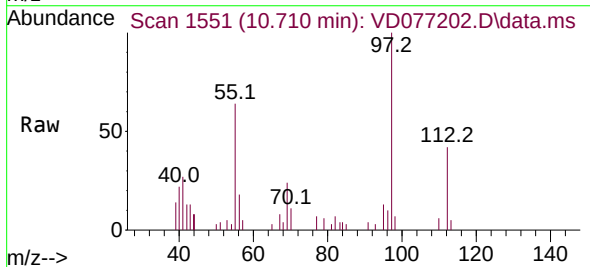
Instrument :
MSVOA_D
ClientSampleId :

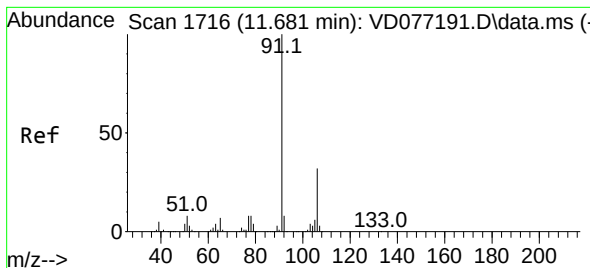
Tgt Ion: 91 Resp: 5835
Ion Ratio Lower Upper
91 100
92 54.0 40.8 75.8



#45
1,1,2-Trichloroethane
Concen: 2.788 ug/L
RT: 10.710 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

Tgt Ion: 97 Resp: 9665
Ion Ratio Lower Upper
97 100
99 0.0 46.1 85.5#
83 4.1 64.3 119.3#
85 3.2 42.9 79.7#

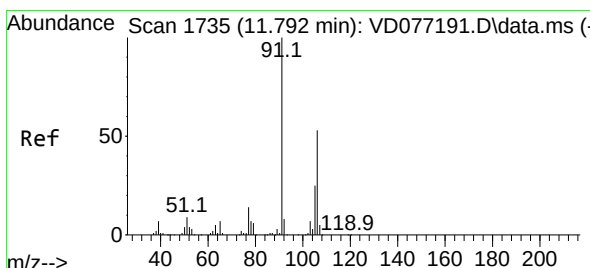
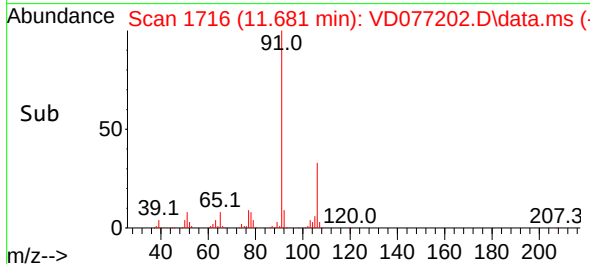
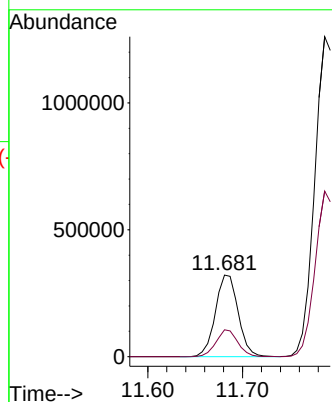
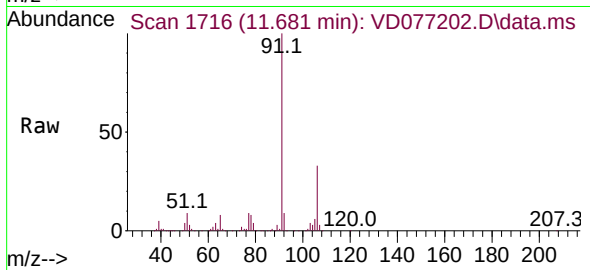




#52
Ethylbenzene
Concen: 28.194 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

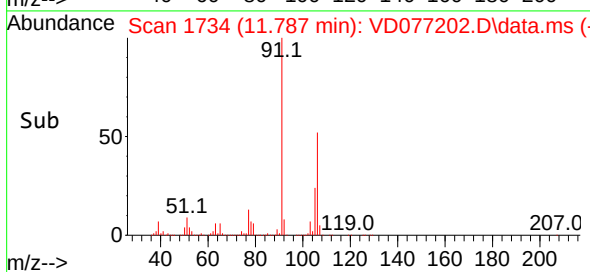
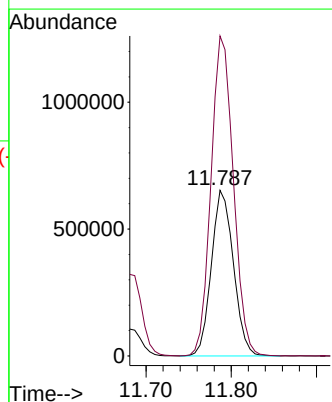
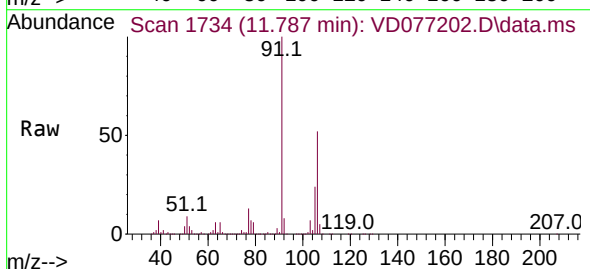
Instrument :
MSVOA_D
ClientSampleId :

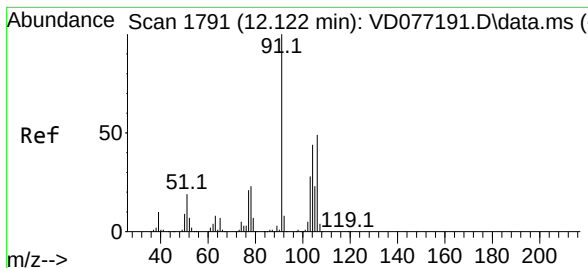
Tgt Ion: 91 Resp: 536780
Ion Ratio Lower Upper
91 100
106 32.9 22.1 41.1



#53
m,p-Xylene
Concen: 159.649 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

Tgt Ion:106 Resp: 1173684
Ion Ratio Lower Upper
106 100
91 193.2 138.2 256.6

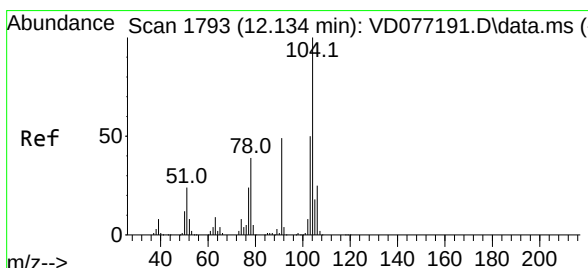
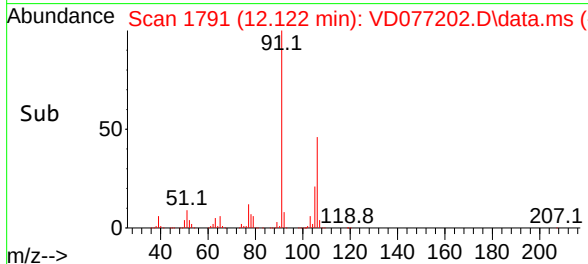
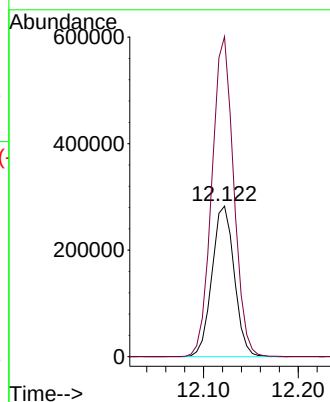
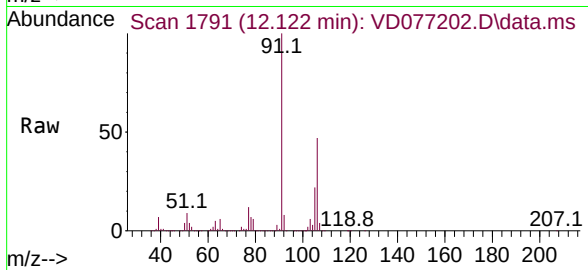




#54
o-Xylene
Concen: 65.116 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

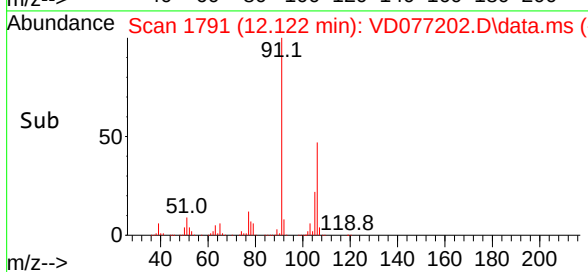
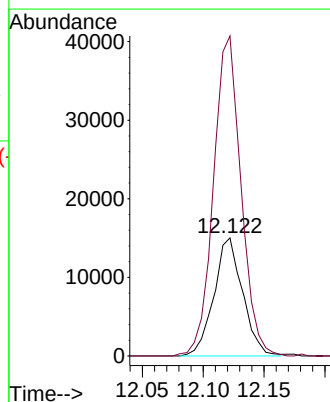
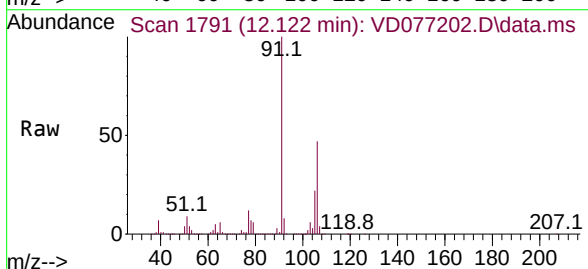
Instrument :
MSVOA_D
ClientSampleId :

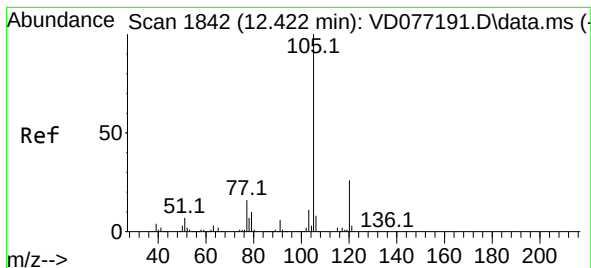
Tgt Ion:106 Resp: 462086
Ion Ratio Lower Upper
106 100
91 212.4 146.9 272.7



#55
Styrene
Concen: 1.945 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.011 min
Lab File: VD077202.D
Acq: 22 Sep 2023 16:31

Tgt Ion:104 Resp: 24671
Ion Ratio Lower Upper
104 100
78 270.9 27.8 51.6#





#60

Isopropylbenzene

Concen: 0.643 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077202.D

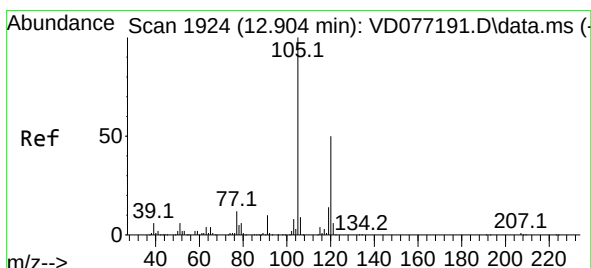
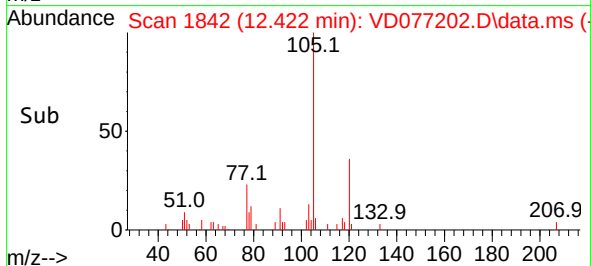
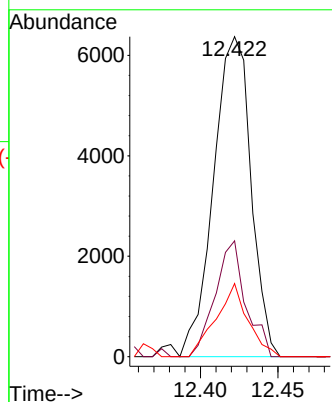
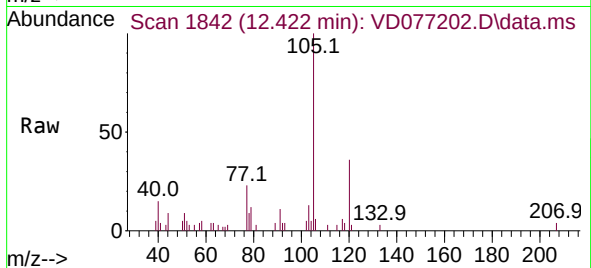
Acq: 22 Sep 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:105	Resp:	10704
Ion Ratio	Lower	Upper
105	100	
120	29.6	21.8 32.6
77	19.4	11.9 17.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.813 ug/L

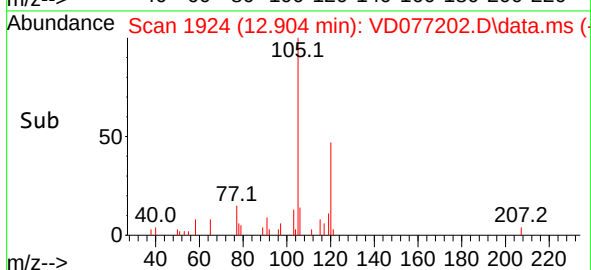
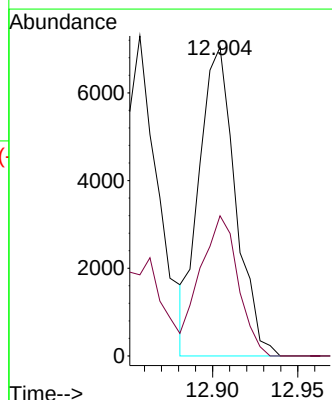
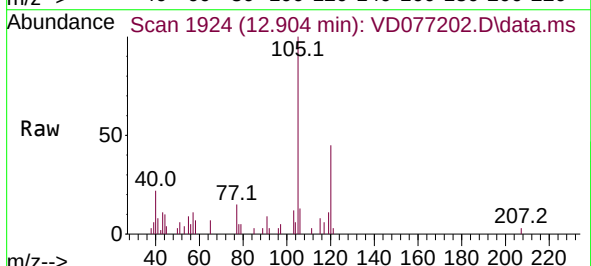
RT: 12.904 min Scan# 1924

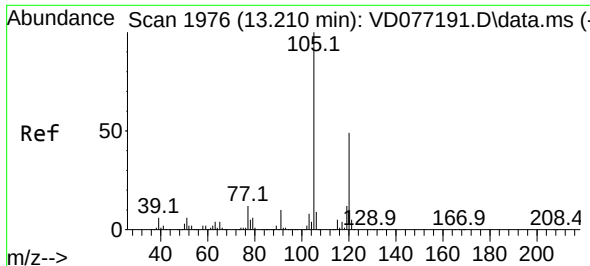
Delta R.T. 0.000 min

Lab File: VD077202.D

Acq: 22 Sep 2023 16:31

Tgt Ion:105	Resp:	10467
Ion Ratio	Lower	Upper
105	100	
120	47.2	40.2 60.2

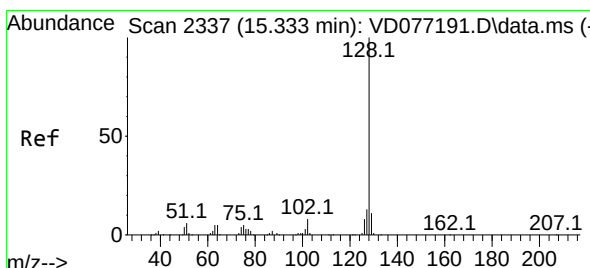
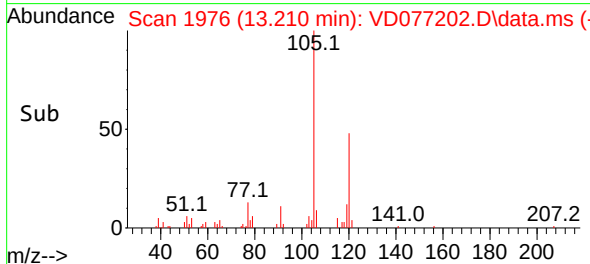
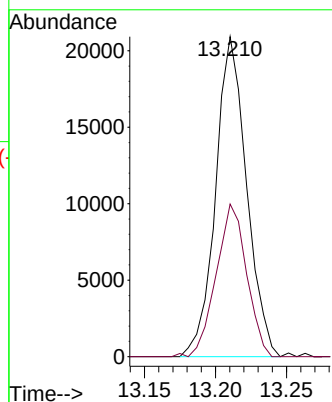
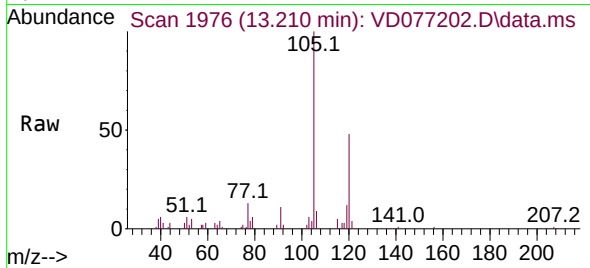




#63
 1,2,4-Trimethylbenzene
 Concen: 2.511 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD077202.D
 Acq: 22 Sep 2023 16:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 31688
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.8 56.8



#71
 Naphthalene
 Concen: 12.183 ug/L
 RT: 15.334 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: VD077202.D
 Acq: 22 Sep 2023 16:31

Tgt Ion:128 Resp: 108979
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 16.0
 129 10.3 8.6 13.0

