

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077196.D
 Acq On : 22 Sep 2023 12:24
 Operator : JC/SY
 Sample : 04527-01
 Misc : 5.22G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 23:42:48 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)

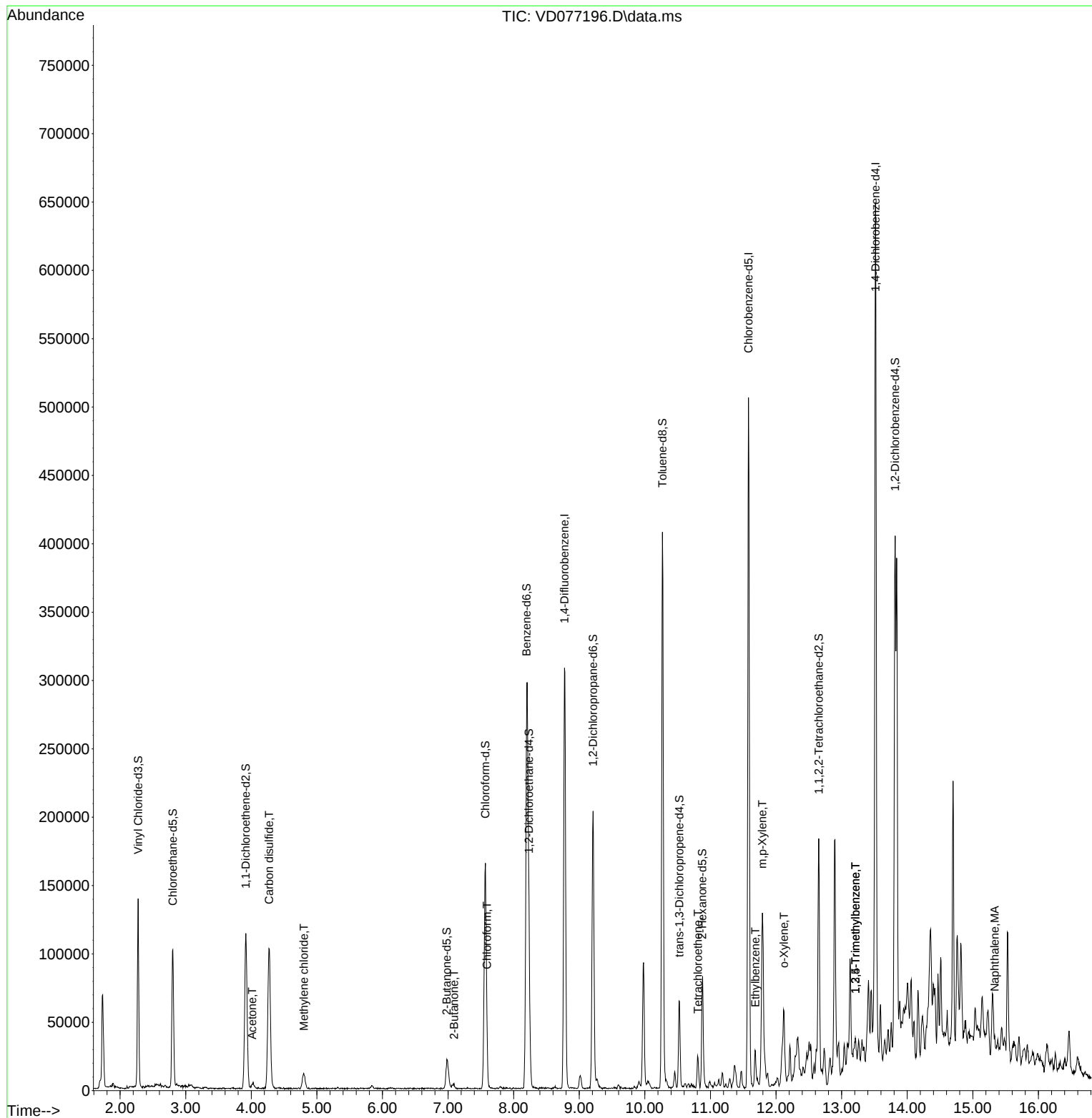
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	287521	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	305876	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	164344	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	121213	17.109	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.440%
7) Chloroethane-d5	2.805	69	107142	18.390	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.560%
11) 1,1-Dichloroethene-d2	3.916	65	30263	18.805	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.200%
21) 2-Butanone-d5	6.981	46	36185	40.543	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.080%
24) Chloroform-d	7.569	84	165210	20.999	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	8.234	65	83499	22.392	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.560%
32) Benzene-d6	8.199	84	326710	19.339	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.360%
36) 1,2-Dichloropropane-d6	9.210	67	103746	21.414	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.640%
41) Toluene-d8	10.269	98	281379	18.195	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.760%
43) trans-1,3-Dichloroprop...	10.528	79	38384	17.388	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.560%
47) 2-Hexanone-d5	10.875	63	27442	35.464	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.920%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	87996	20.374	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.480%
66) 1,2-Dichlorobenzene-d4	13.816	152	105166	19.937	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.760%
Target Compounds	Qvalue					
13) Acetone	4.016	43	3068	2.396	ug/L #	39
14) Carbon disulfide	4.269	76	222219	17.780	ug/L	100
16) Methylene chloride	4.805	84	8479	1.449	ug/L	94
22) 2-Butanone	7.093	43	1261	0.816	ug/L #	43
25) Chloroform	7.593	83	3280	0.414	ug/L	91
46) Tetrachloroethene	10.810	164	5136	1.289	ug/L	82
52) Ethylbenzene	11.687	91	18345	0.852	ug/L	93
53) m,p-Xylene	11.793	106	32535	3.912	ug/L	90
54) o-Xylene	12.122	106	12775	1.591	ug/L	96
62) 1,3,5-Trimethylbenzene	13.210	105	8890	0.543	ug/L	92
63) 1,2,4-Trimethylbenzene	13.210	105	8890	0.554	ug/L	96
71) Naphthalene	15.334	128	4743	0.417	ug/L #	89

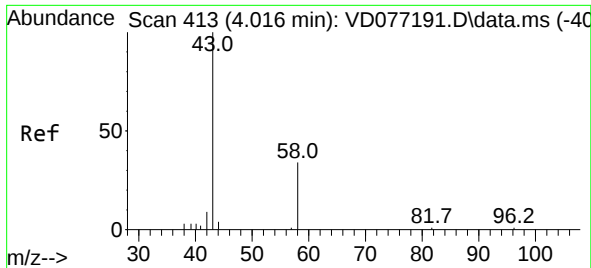
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 2.396 ug/L

RT: 4.016 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD077196.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_D

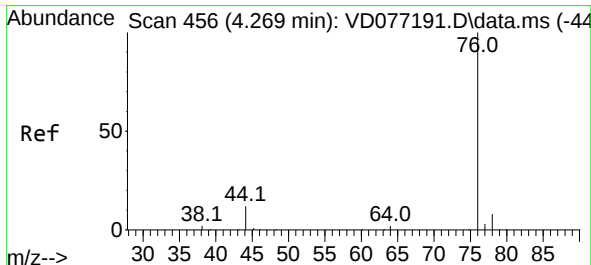
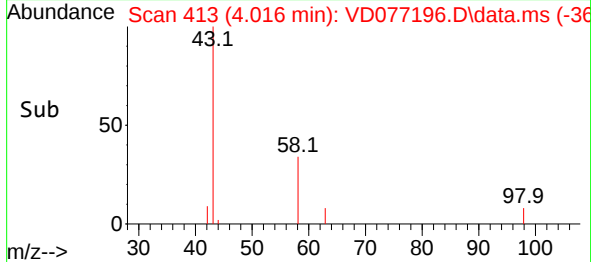
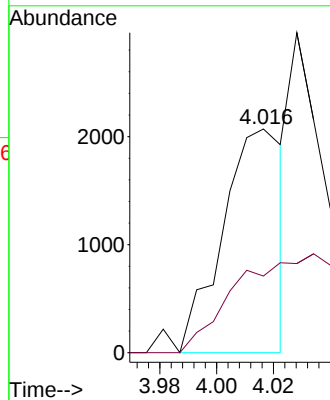
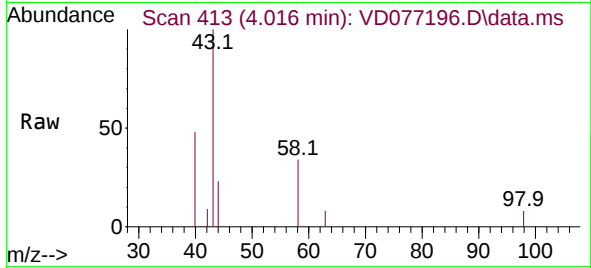
ClientSampleId :

Tgt Ion: 43 Resp: 3068

Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.8



#14

Carbon disulfide

Concen: 17.780 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD077196.D

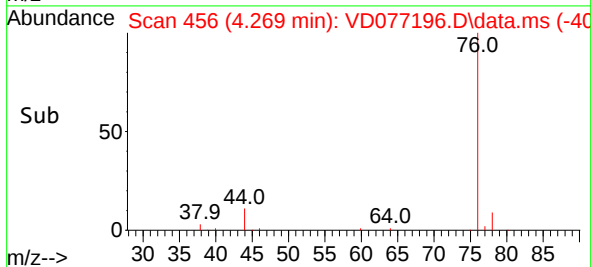
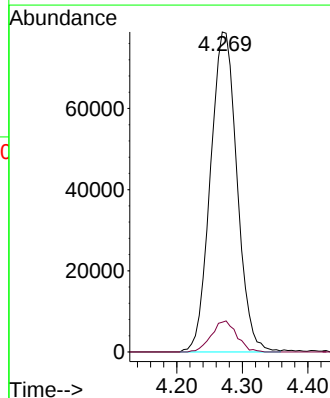
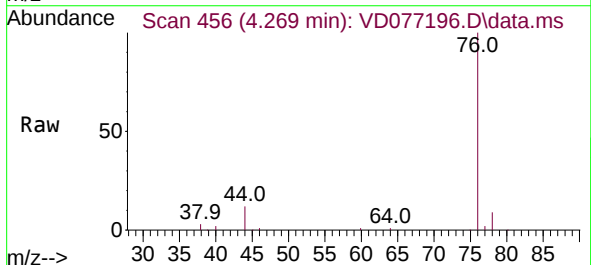
Acq: 22 Sep 2023 12:24

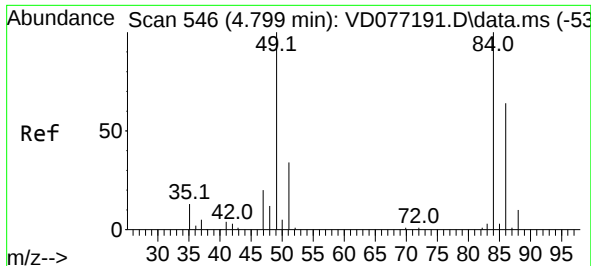
Tgt Ion: 76 Resp: 222219

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

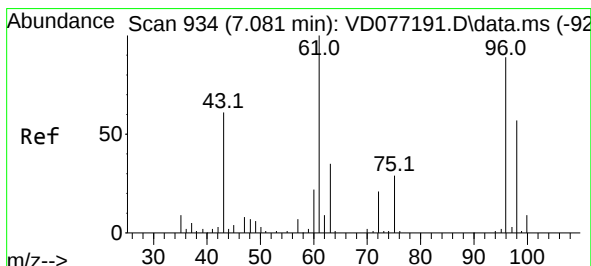
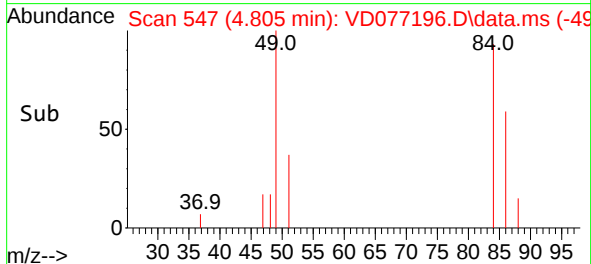
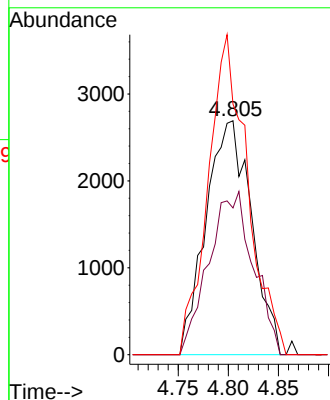
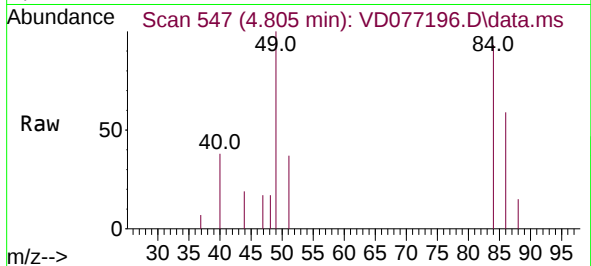




#16
Methylene chloride
Concen: 1.449 ug/L
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

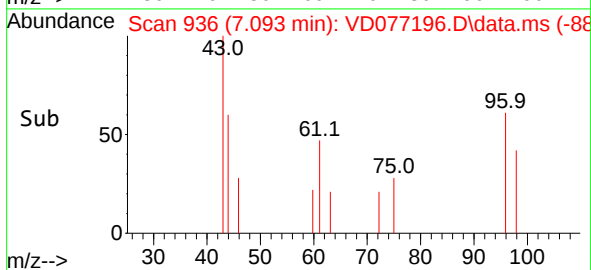
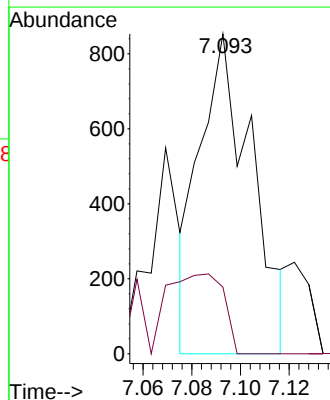
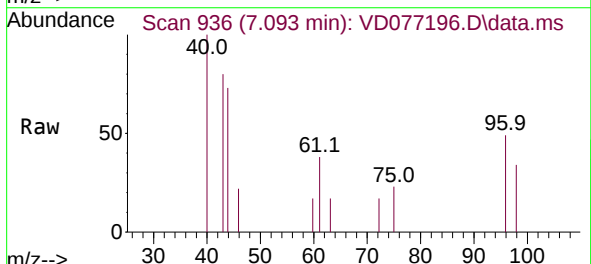
Instrument :
MSVOA_D
ClientSampleId :

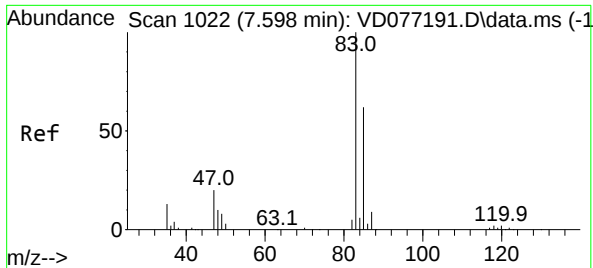
Tgt Ion: 84 Resp: 8479
Ion Ratio Lower Upper
84 100
86 62.8 45.3 84.1
49 107.1 69.2 128.6



#22
2-Butanone
Concen: 0.816 ug/L
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
72 0.0 16.0 48.0#





#25

Chloroform

Concen: 0.414 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD077196.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_D

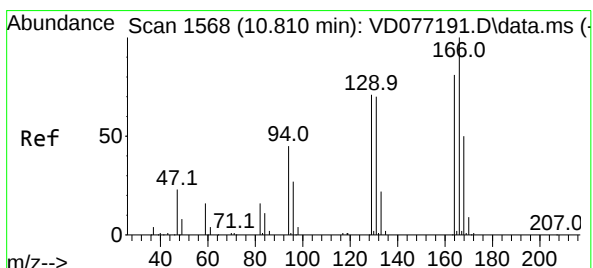
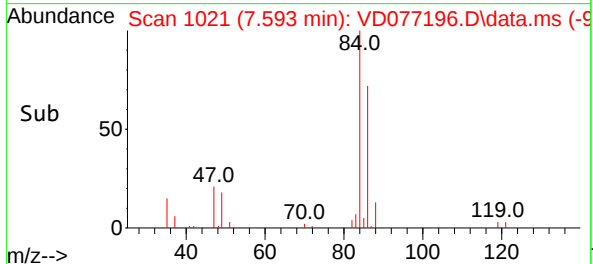
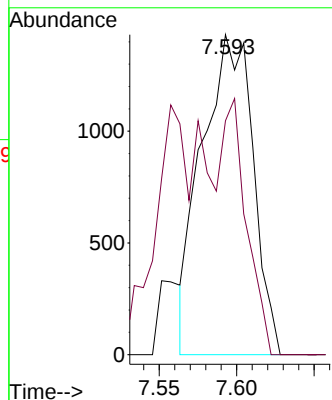
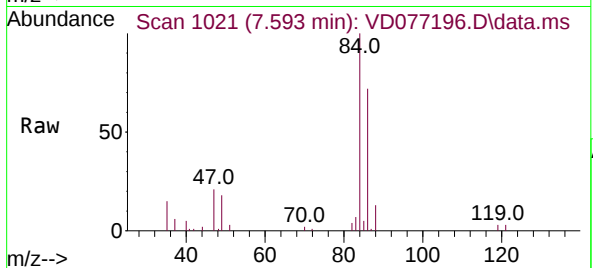
ClientSampleId :

Tgt Ion: 83 Resp: 3280

Ion Ratio Lower Upper

83 100

85 73.1 46.2 85.8



#46

Tetrachloroethene

Concen: 1.289 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077196.D

Acq: 22 Sep 2023 12:24

Tgt Ion:164 Resp: 5136

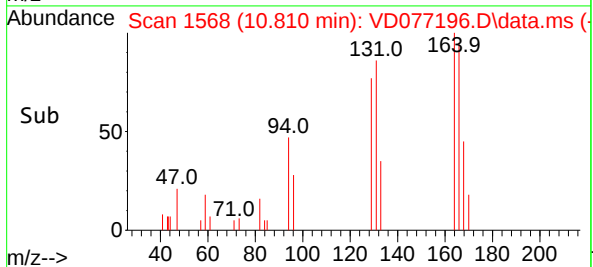
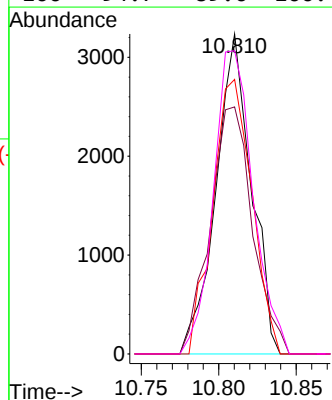
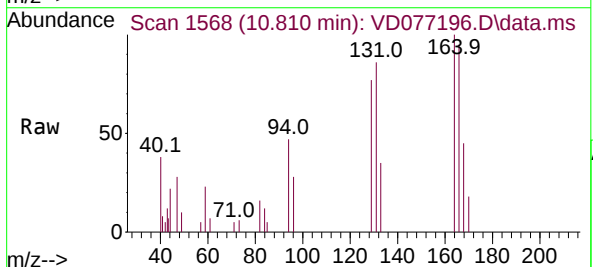
Ion Ratio Lower Upper

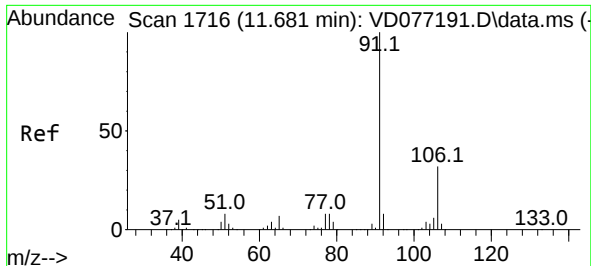
164 100

129 77.2 66.4 123.4

131 85.8 62.6 116.3

166 94.7 89.6 166.4

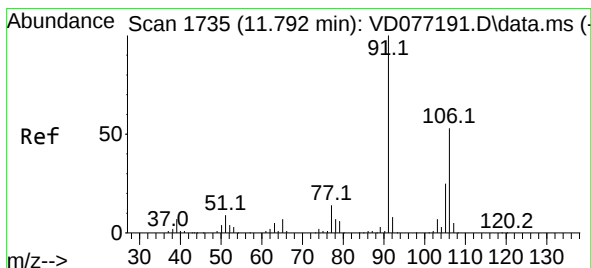
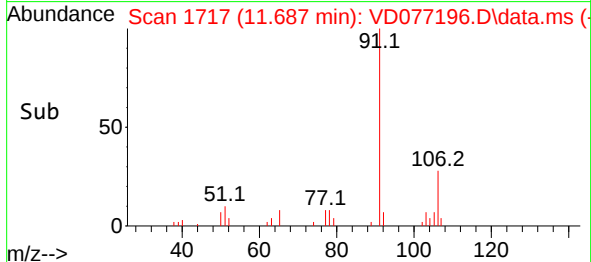
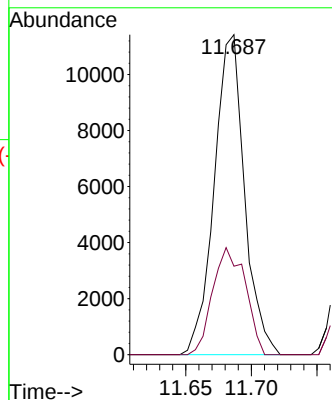
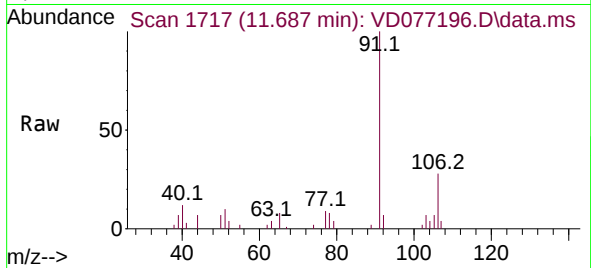




#52
Ethylbenzene
Concen: 0.852 ug/L
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

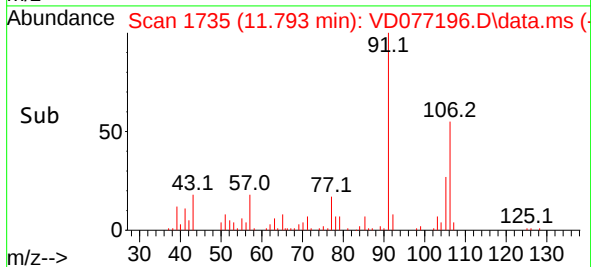
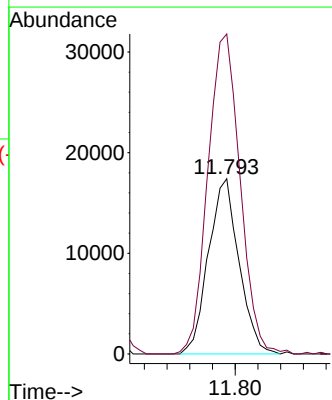
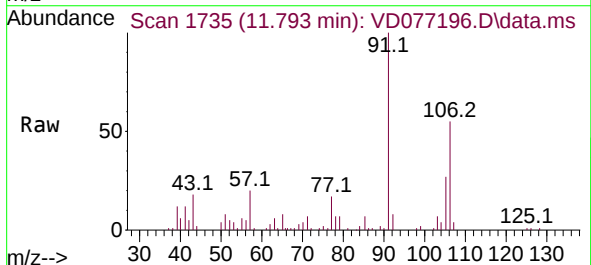
Instrument :
MSVOA_D
ClientSampleId :

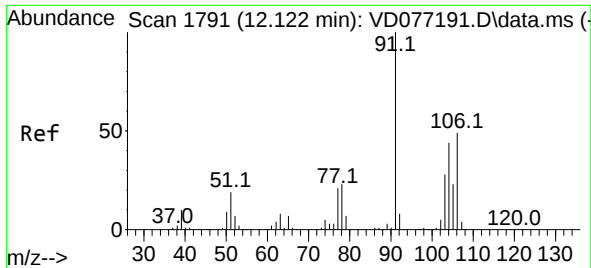
Tgt Ion: 91 Resp: 18345
Ion Ratio Lower Upper
91 100
106 27.7 22.1 41.1



#53
m,p-Xylene
Concen: 3.912 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 106 Resp: 32535
Ion Ratio Lower Upper
106 100
91 182.6 138.2 256.6

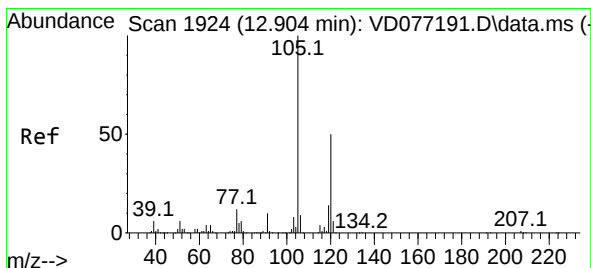
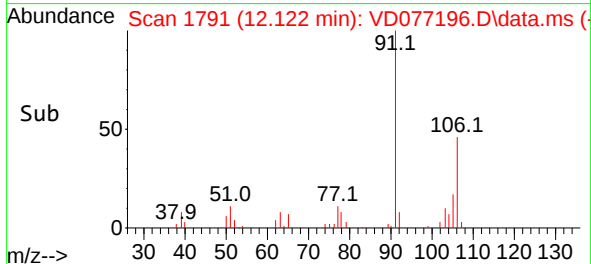
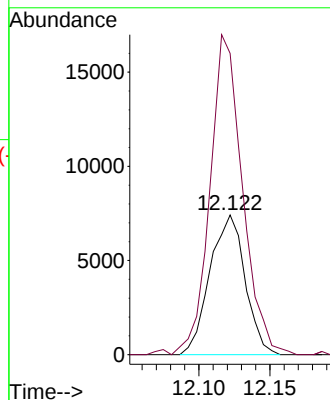
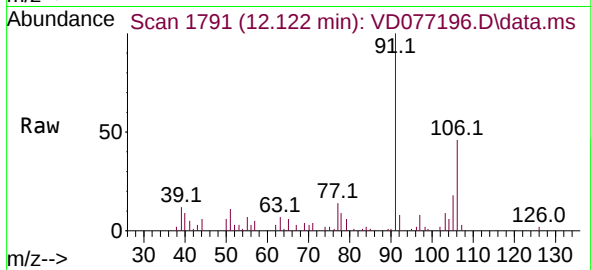




#54
o-Xylene
Concen: 1.591 ug/L
RT: 12.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

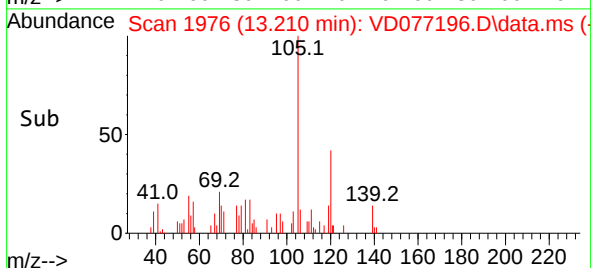
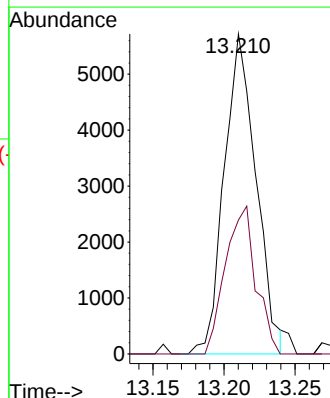
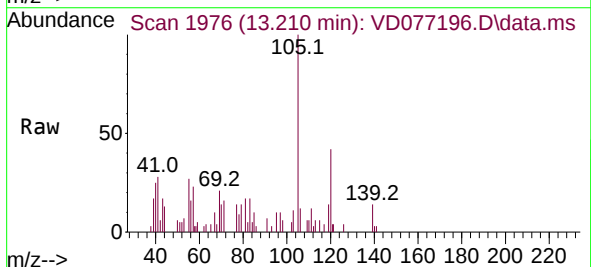
Instrument :
MSVOA_D
ClientSampleId :

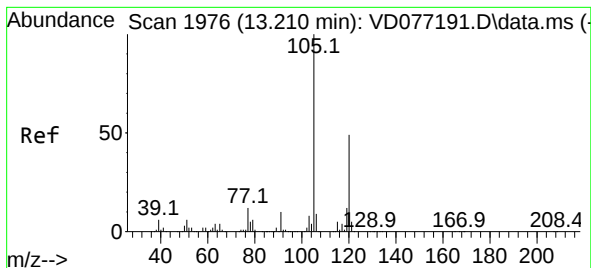
Tgt Ion:106 Resp: 12775
Ion Ratio Lower Upper
106 100
91 215.7 146.9 272.7



#62
1,3,5-Trimethylbenzene
Concen: 0.543 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.306 min
Lab File: VD077196.D
Acq: 22 Sep 2023 12:24

Tgt Ion:105 Resp: 8890
Ion Ratio Lower Upper
105 100
120 44.4 40.2 60.2





#63

1,2,4-Trimethylbenzene

Concen: 0.554 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077196.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_D

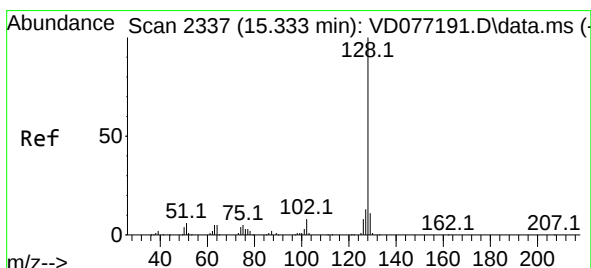
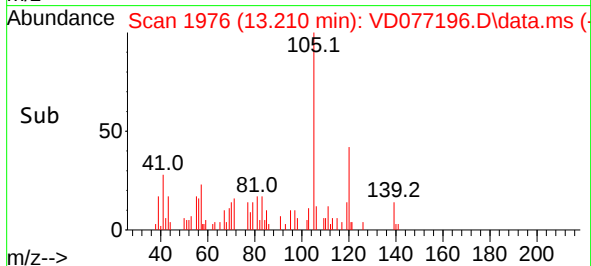
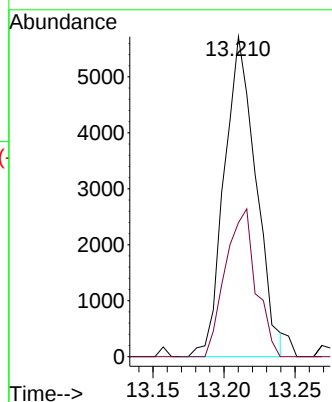
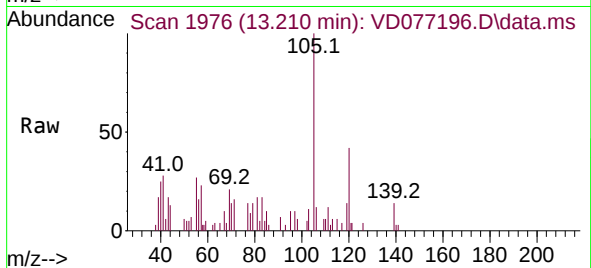
ClientSampleId :

Tgt Ion:105 Resp: 8890

Ion Ratio Lower Upper

105 100

120 44.4 37.8 56.8



#71

Naphthalene

Concen: 0.417 ug/L

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD077196.D

Acq: 22 Sep 2023 12:24

Tgt Ion:128 Resp: 4743

Ion Ratio Lower Upper

128 100

127 14.9 10.6 16.0

129 3.1 8.6 13.0#

