

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
 Data File : VD080131.D
 Acq On : 11 Dec 2024 17:01
 Operator : RP/MD
 Sample : P5232-06
 Misc : 3.62G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:59:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:57:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	306323	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	295698	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	71996	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	87712	17.966	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.880%
7) Chloroethane-d5	2.799	69	95885	22.025	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.120%
11) 1,1-Dichloroethene-d2	3.917	65	24316	12.976	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.920%
21) 2-Butanone-d5	6.987	46	28076	25.756	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.520%
24) Chloroform-d	7.569	84	128522	15.196	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	60.800%
26) 1,2-Dichloroethane-d4	8.228	65	72192	16.130	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	64.520%#
32) Benzene-d6	8.199	84	241127	13.723	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	54.880%
36) 1,2-Dichloropropane-d6	9.210	67	91242	15.293	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	61.160%#
41) Toluene-d8	10.269	98	191147	11.515	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	46.040%
43) trans-1,3-Dichloroprop...	10.522	79	32202	13.183	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	52.720%
47) 2-Hexanone-d5	10.875	63	23453	25.992	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.980%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	55000	10.773	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	43.080%#
66) 1,2-Dichlorobenzene-d4	13.810	152	43064	16.567	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.280%#
Target Compounds						
					Qvalue	
13) Acetone	4.028	43	9855	5.334	ug/L	70
14) Carbon disulfide	4.269	76	30115	2.004	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	1147	0.228	ug/L	84
25) Chloroform	7.599	83	18365	1.816	ug/L	94
33) Benzene	8.252	78	5769	0.270	ug/L	100
34) Trichloroethene	9.034	95	6059	1.044	ug/L #	68
39) cis-1,3-Dichloropropene	9.981	75	2411	0.276	ug/L	85
40) 4-Methyl-2-pentanone	10.163	43	2181	0.645	ug/L #	89
42) Toluene	10.328	91	10143	0.438	ug/L	89
52) Ethylbenzene	11.687	91	5376	0.234	ug/L #	75
53) m,p-Xylene	11.793	106	4662	0.530	ug/L	72
54) o-Xylene	12.116	106	2070	0.245	ug/L	62
55) Styrene	12.134	104	5521	0.361	ug/L	91
60) Isopropylbenzene	12.422	105	1273	0.124	ug/L #	79
62) 1,3,5-Trimethylbenzene	12.898	105	2070	0.242	ug/L	93
63) 1,2,4-Trimethylbenzene	13.210	105	4175	0.514	ug/L	96
71) Naphthalene	15.328	128	2784	0.532	ug/L #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
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ClientSampleId :

Quant Time: Dec 12 00:59:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 12 00:57:48 2024
Response via : Initial Calibration

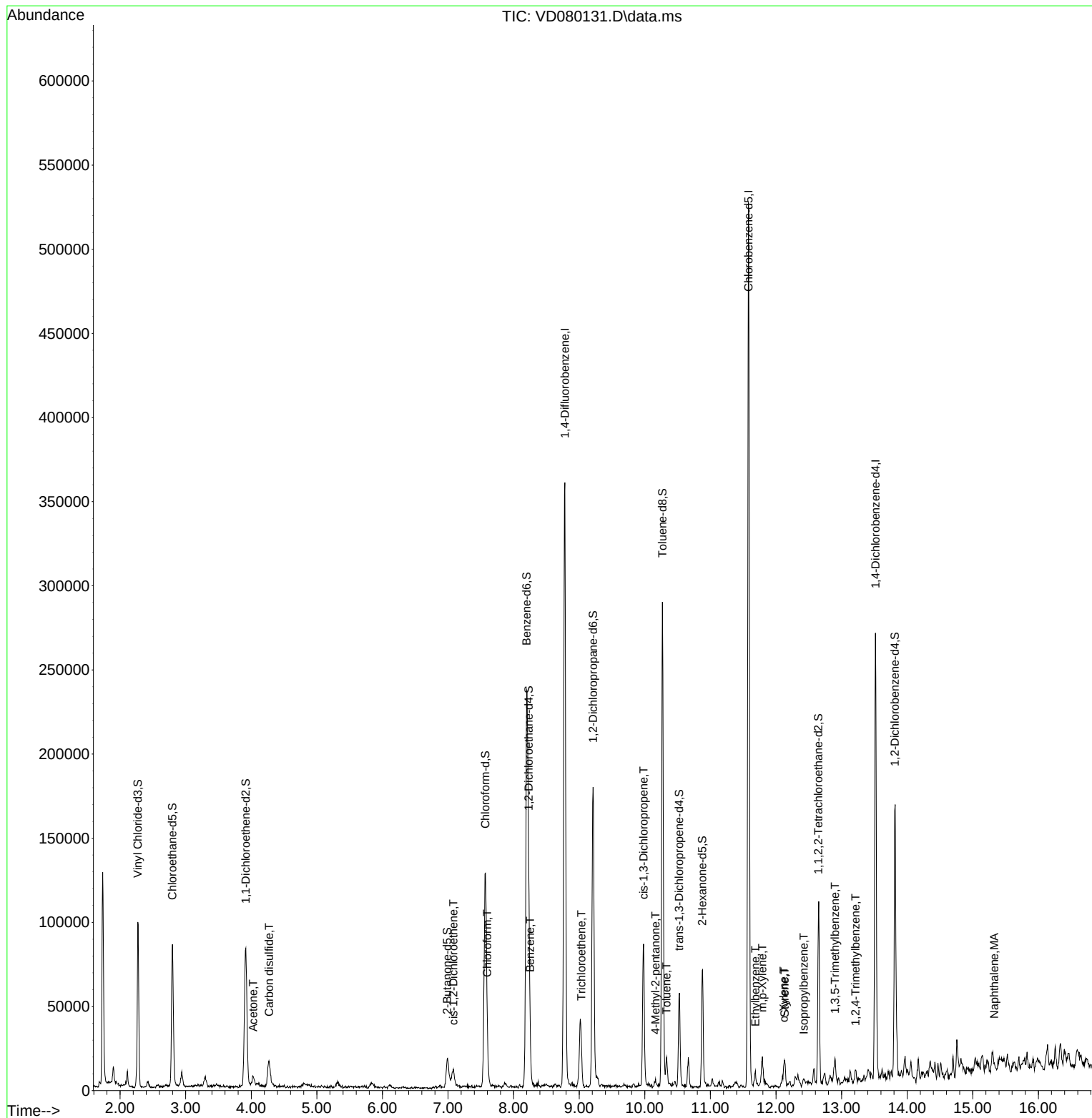
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

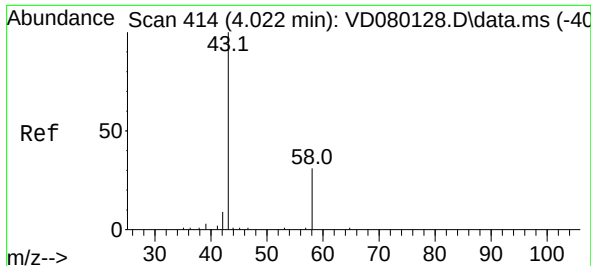
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 5.334 ug/L

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

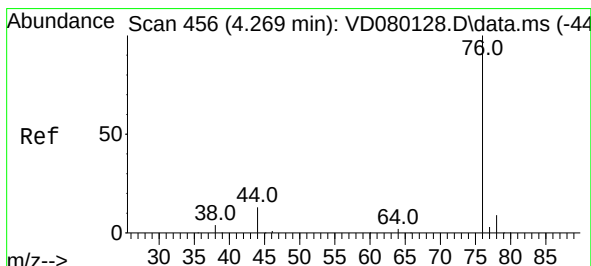
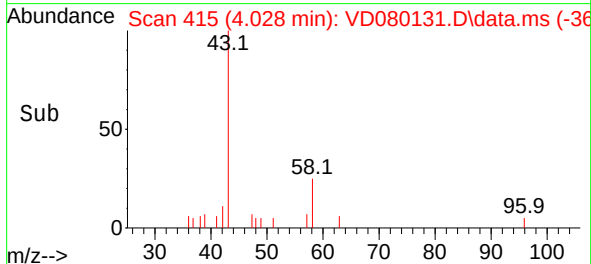
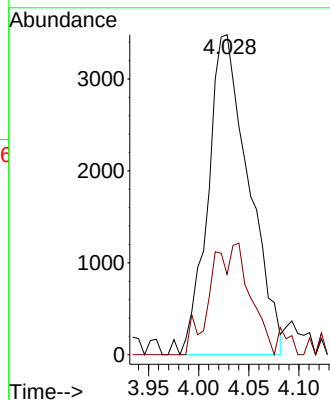
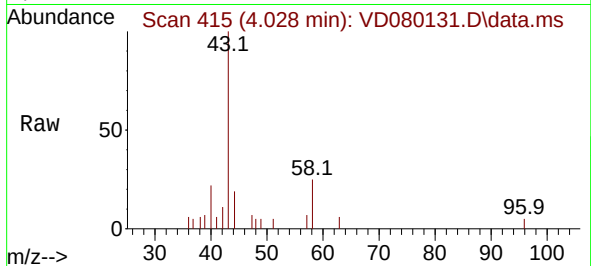
ClientSampleId :

Tgt Ion: 43 Resp: 9855

Ion Ratio Lower Upper

43 100

58 17.4 0.0 69.0



#14

Carbon disulfide

Concen: 2.004 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD080131.D

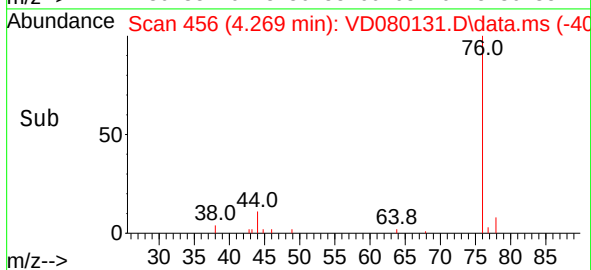
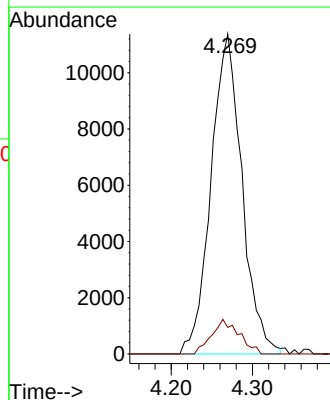
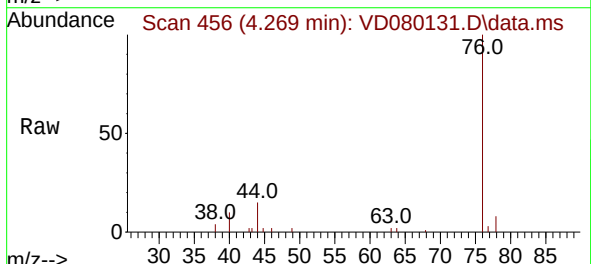
Acq: 11 Dec 2024 17:01

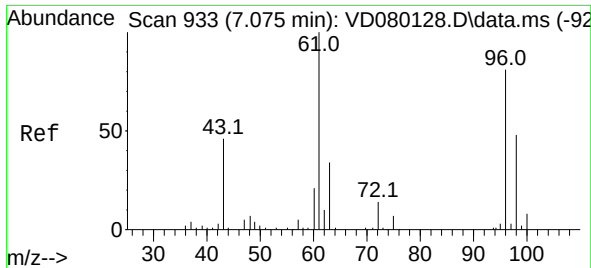
Tgt Ion: 76 Resp: 30115

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9

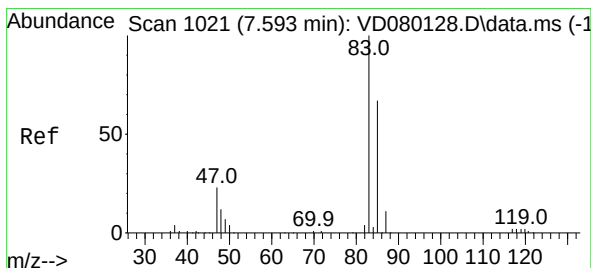
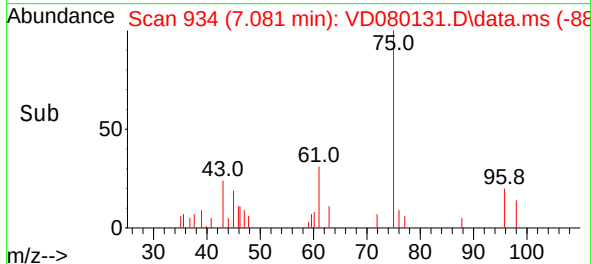
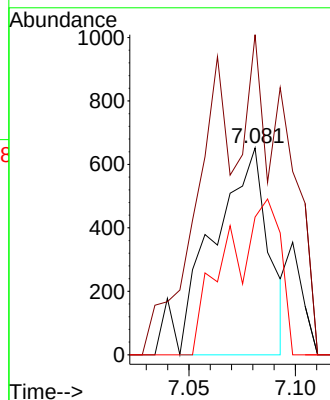
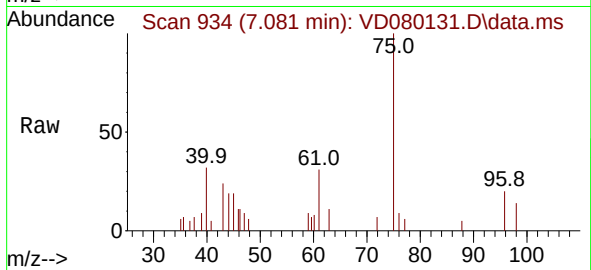




#20
cis-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 7.081 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD080131.D
Acq: 11 Dec 2024 17:01

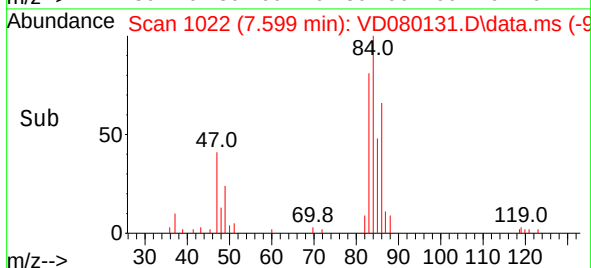
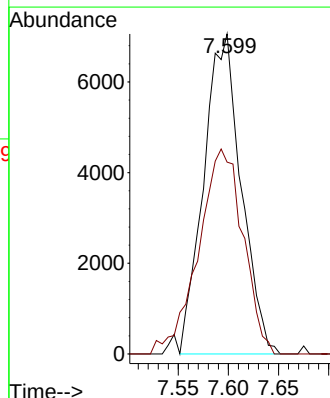
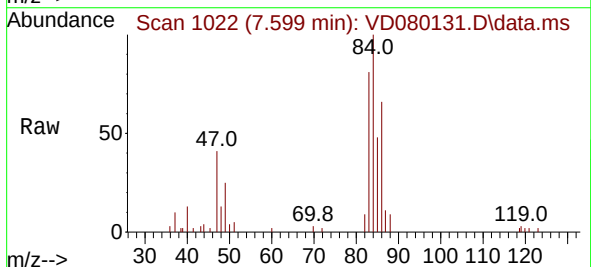
Instrument :
MSVOA_D
ClientSampleId :

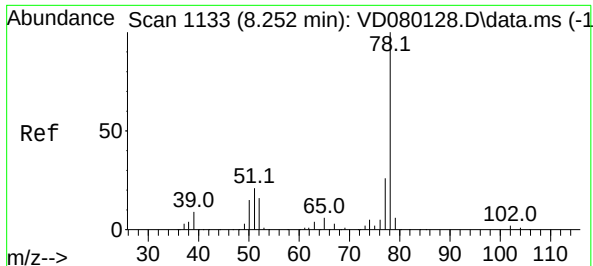
Tgt Ion: 96 Resp: 1147
Ion Ratio Lower Upper
96 100
61 154.8 89.1 165.5
98 66.6 47.3 87.8



#25
Chloroform
Concen: 1.816 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD080131.D
Acq: 11 Dec 2024 17:01

Tgt Ion: 83 Resp: 18365
Ion Ratio Lower Upper
83 100
85 60.0 45.0 83.6





#33

Benzene

Concen: 0.270 ug/L

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD080131.D

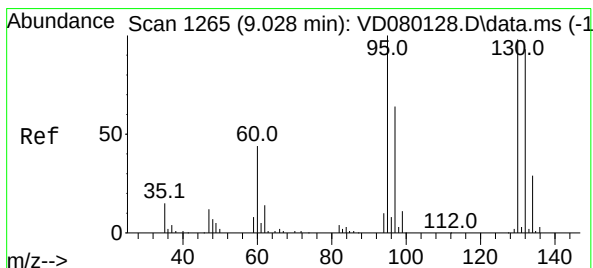
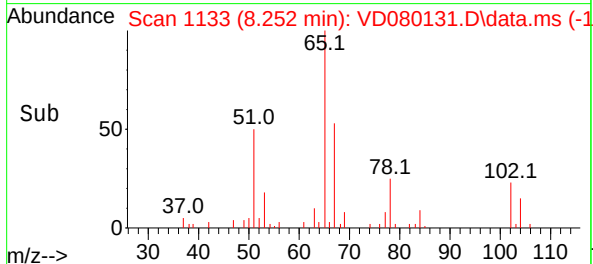
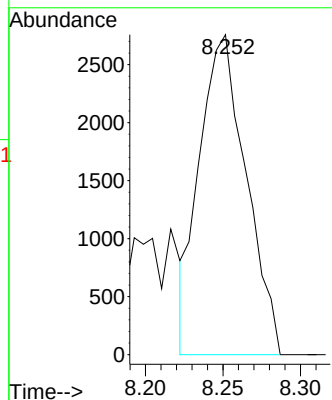
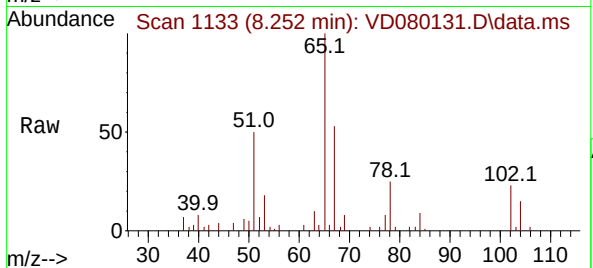
Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 78 Resp: 5769



#34

Trichloroethene

Concen: 1.044 ug/L

RT: 9.034 min Scan# 1266

Delta R.T. 0.006 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Tgt Ion: 95 Resp: 6059

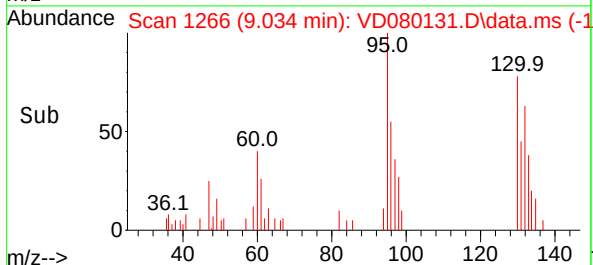
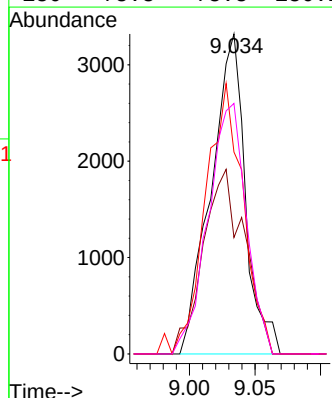
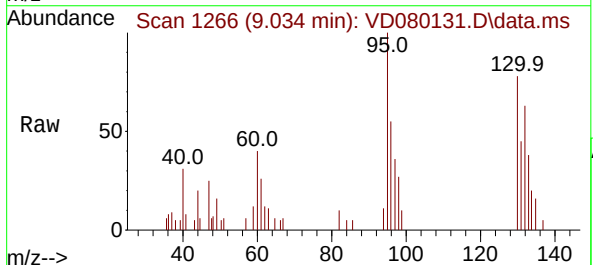
Ion Ratio Lower Upper

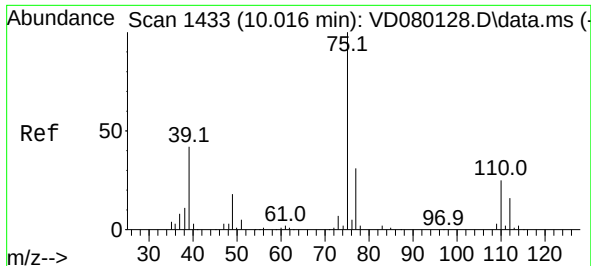
95 100

97 36.4 43.7 81.1#

132 63.1 69.4 129.0#

130 78.3 73.3 136.1





#39

cis-1,3-Dichloropropene

Concen: 0.276 ug/L

RT: 9.981 min Scan# 1427

Delta R.T. -0.035 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

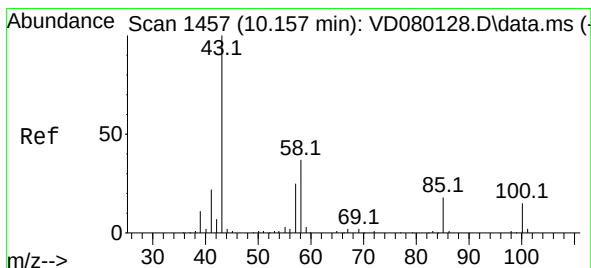
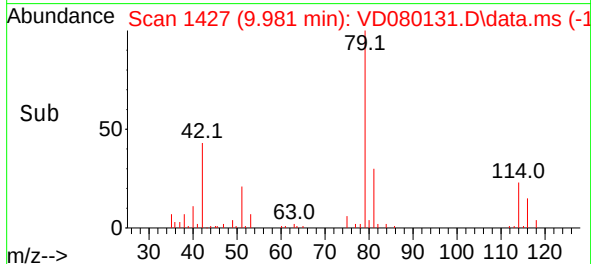
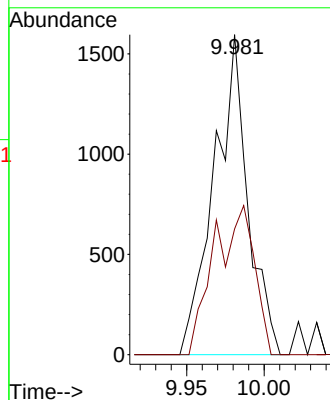
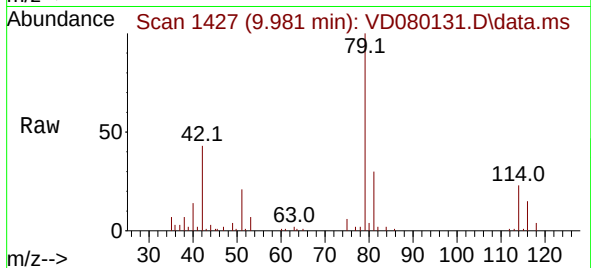
ClientSampleId :

Tgt Ion: 75 Resp: 2411

Ion Ratio Lower Upper

75 100

77 39.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 0.645 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

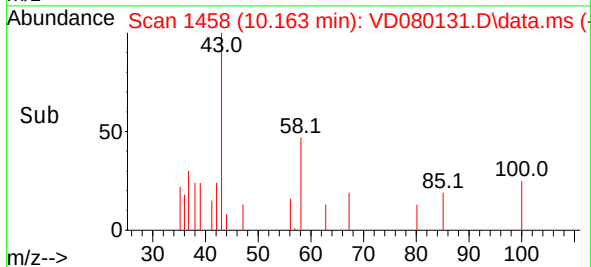
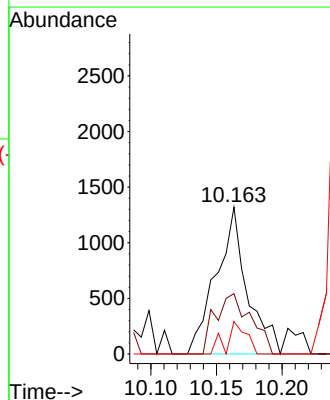
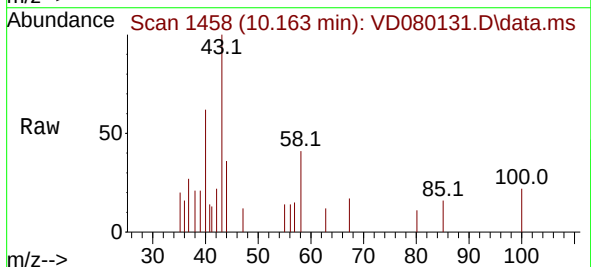
Tgt Ion: 43 Resp: 2181

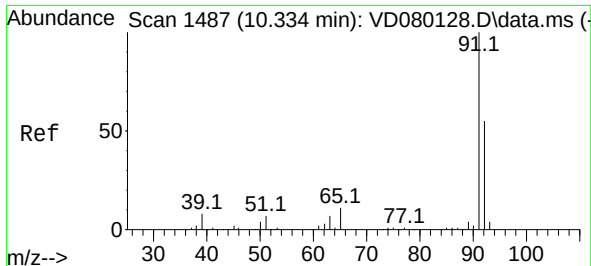
Ion Ratio Lower Upper

43 100

58 46.9 32.1 48.1

100 10.8 12.6 19.0#





#42

Toluene

Concen: 0.438 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

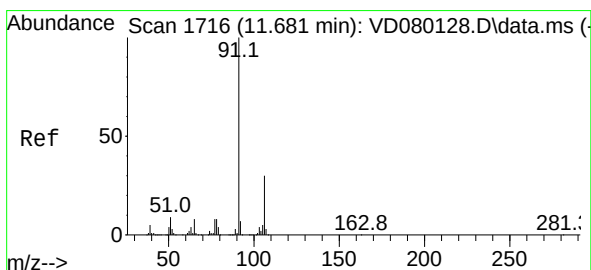
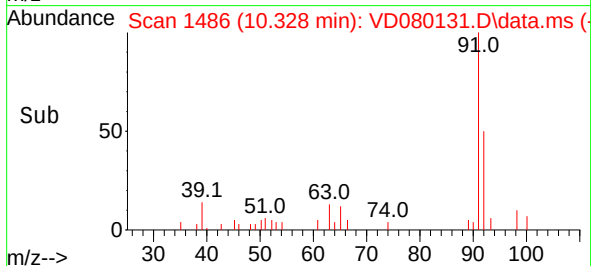
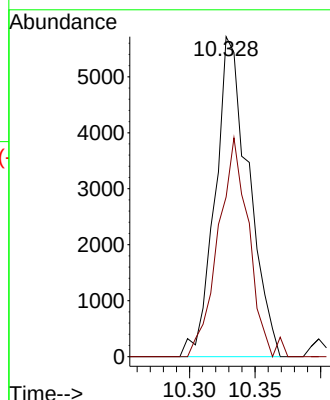
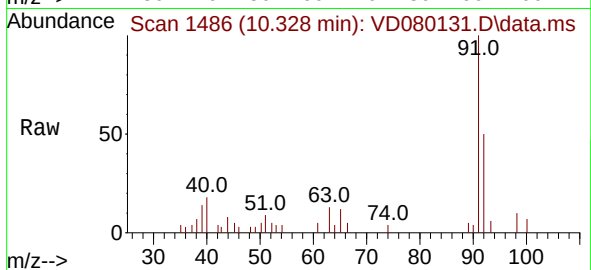
ClientSampleId :

Tgt Ion: 91 Resp: 10143

Ion Ratio Lower Upper

91 100

92 49.9 40.8 75.8



#52

Ethylbenzene

Concen: 0.234 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VD080131.D

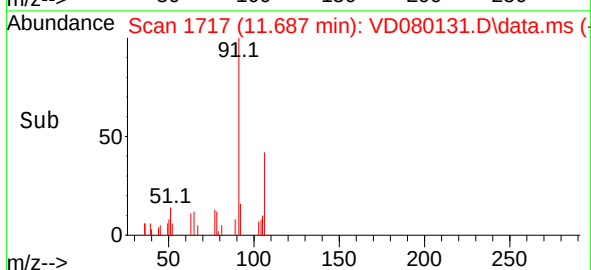
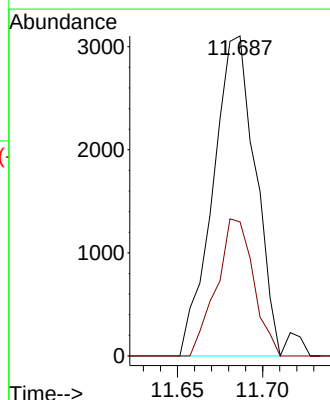
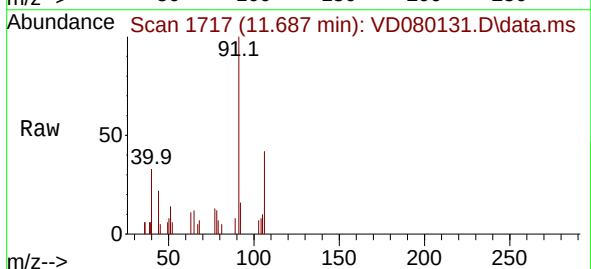
Acq: 11 Dec 2024 17:01

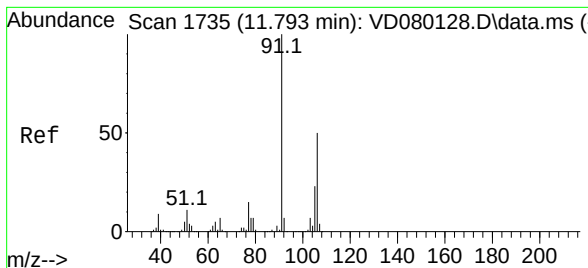
Tgt Ion: 91 Resp: 5376

Ion Ratio Lower Upper

91 100

106 41.9 20.0 37.2#





#53

m,p-Xylene

Concen: 0.530 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

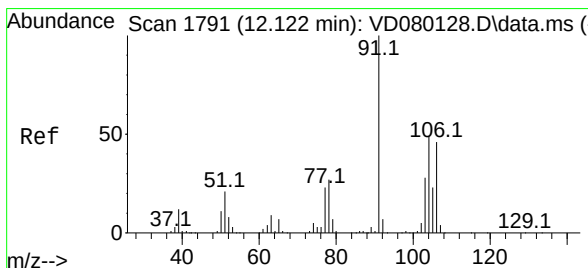
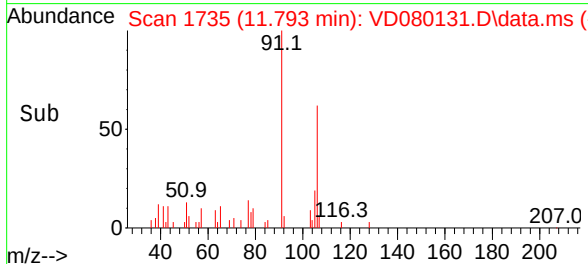
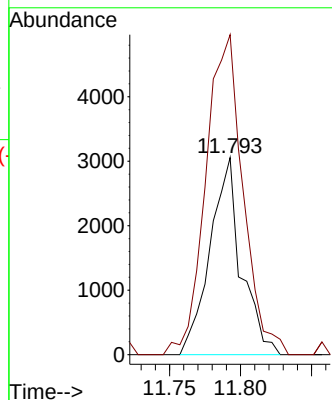
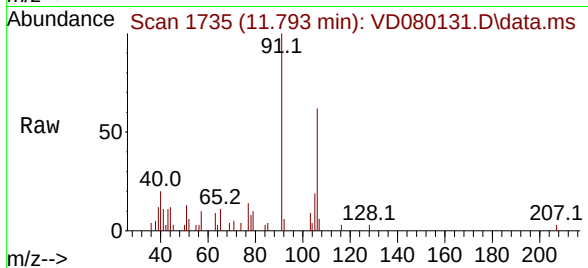
ClientSampleId :

Tgt Ion:106 Resp: 4662

Ion Ratio Lower Upper

106 100

91 162.3 143.5 266.5



#54

o-Xylene

Concen: 0.245 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD080131.D

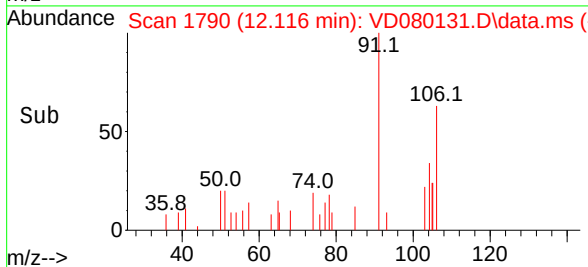
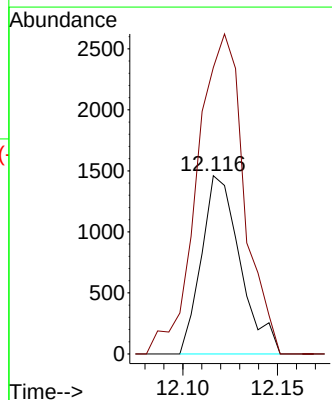
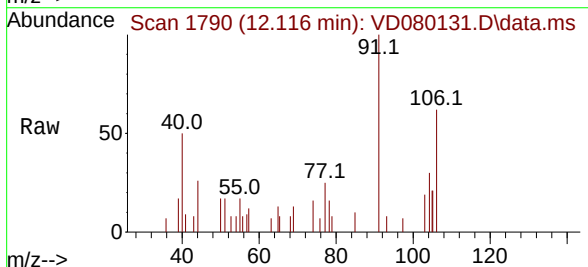
Acq: 11 Dec 2024 17:01

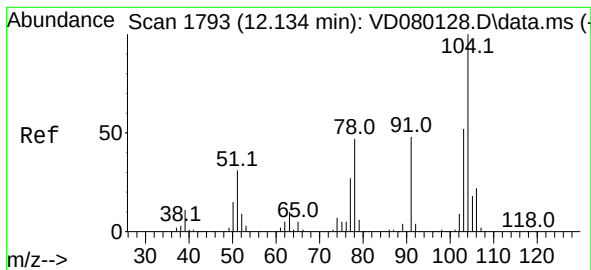
Tgt Ion:106 Resp: 2070

Ion Ratio Lower Upper

106 100

91 160.8 155.8 289.4





#55

Styrene

Concen: 0.361 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

Instrument :

MSVOA_D

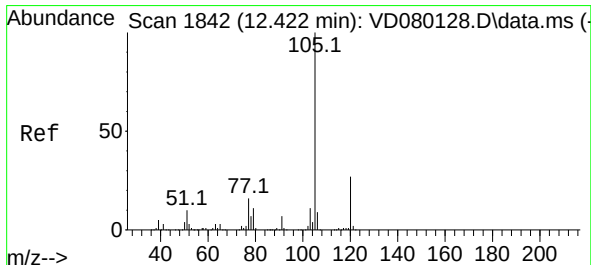
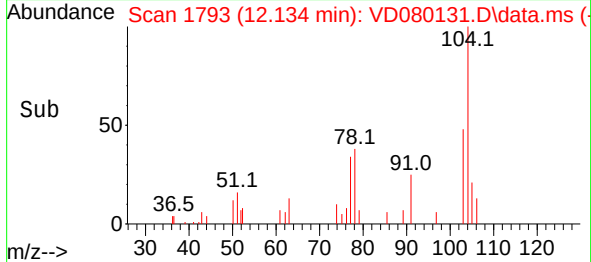
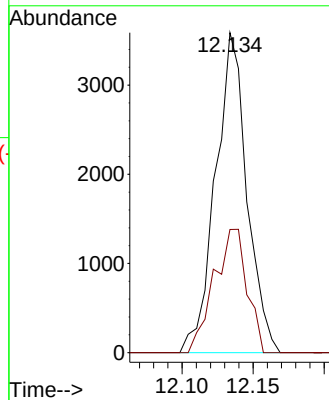
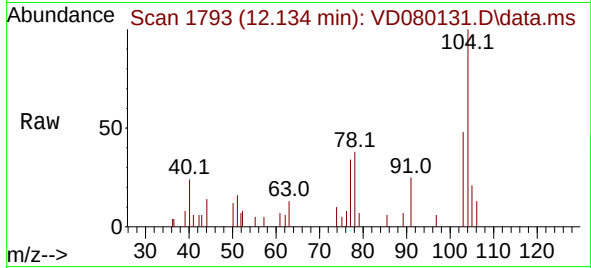
ClientSampleId :

Tgt Ion:104 Resp: 5521

Ion Ratio Lower Upper

104 100

78 38.5 31.2 58.0



#60

Isopropylbenzene

Concen: 0.124 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD080131.D

Acq: 11 Dec 2024 17:01

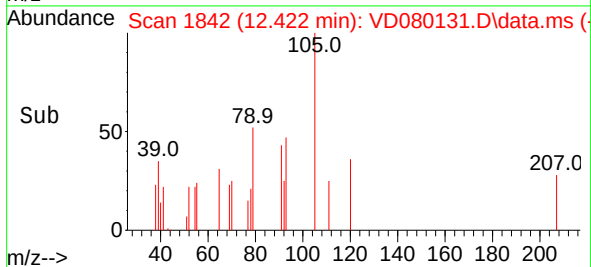
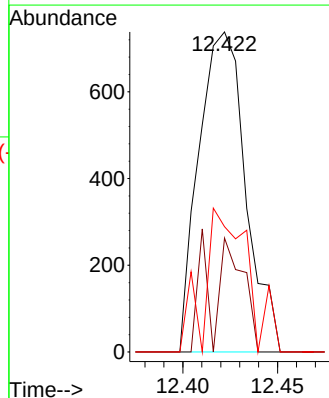
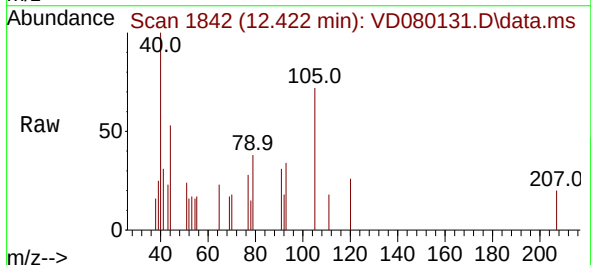
Tgt Ion:105 Resp: 1273

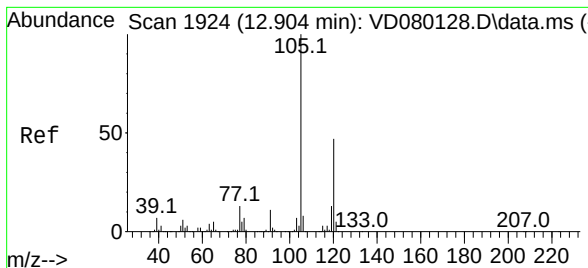
Ion Ratio Lower Upper

105 100

120 17.7 21.0 31.4#

77 4.2 12.9 19.3#

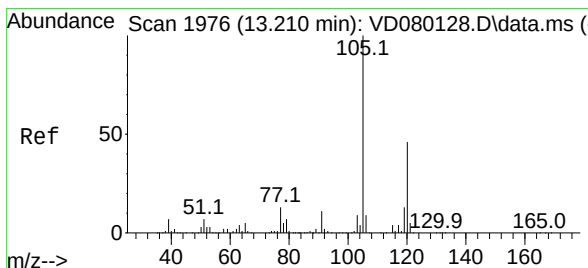
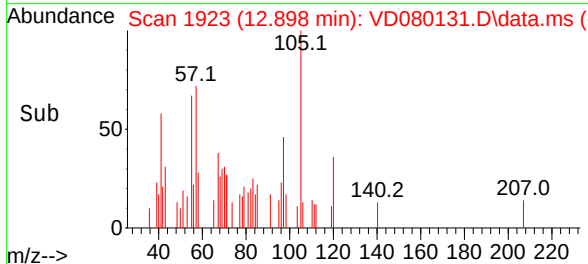
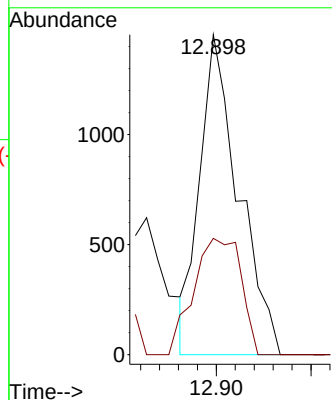
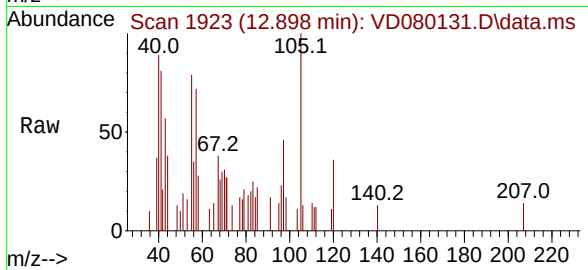




#62
1,3,5-Trimethylbenzene
Concen: 0.242 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD080131.D
Acq: 11 Dec 2024 17:01

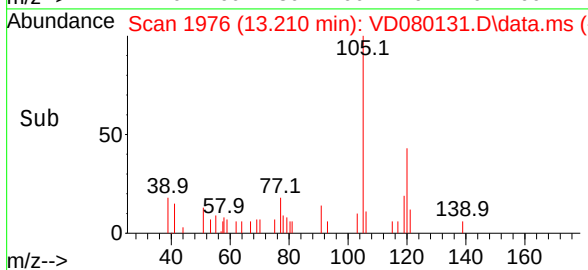
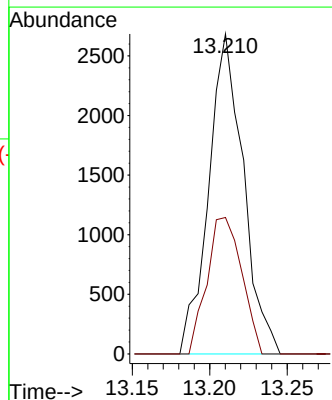
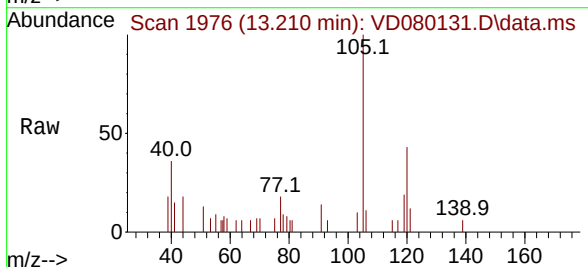
Instrument :
MSVOA_D
ClientSampleId :

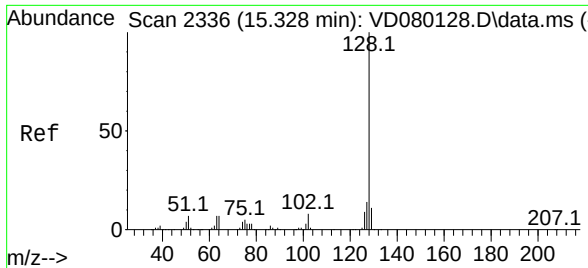
Tgt Ion:105 Resp: 2070
Ion Ratio Lower Upper
105 100
120 44.4 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.514 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080131.D
Acq: 11 Dec 2024 17:01

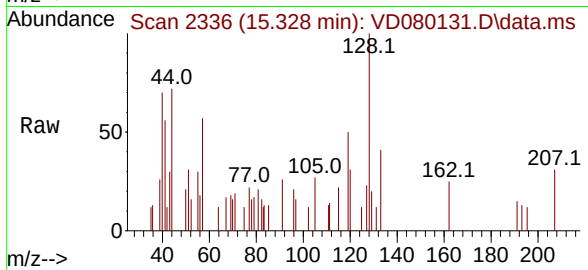
Tgt Ion:105 Resp: 4175
Ion Ratio Lower Upper
105 100
120 42.8 36.4 54.6





#71
 Naphthalene
 Concen: 0.532 ug/L
 RT: 15.328 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VD080131.D
 Acq: 11 Dec 2024 17:01

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	2784
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.2	16.8
129	0.0	8.6	13.0#

