

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122624\
 Data File : VN085316.D
 Acq On : 26 Dec 2024 14:36
 Operator : JC\MD
 Sample : P5371-07RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-C12-1-MRE

Quant Time: Dec 27 00:46:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

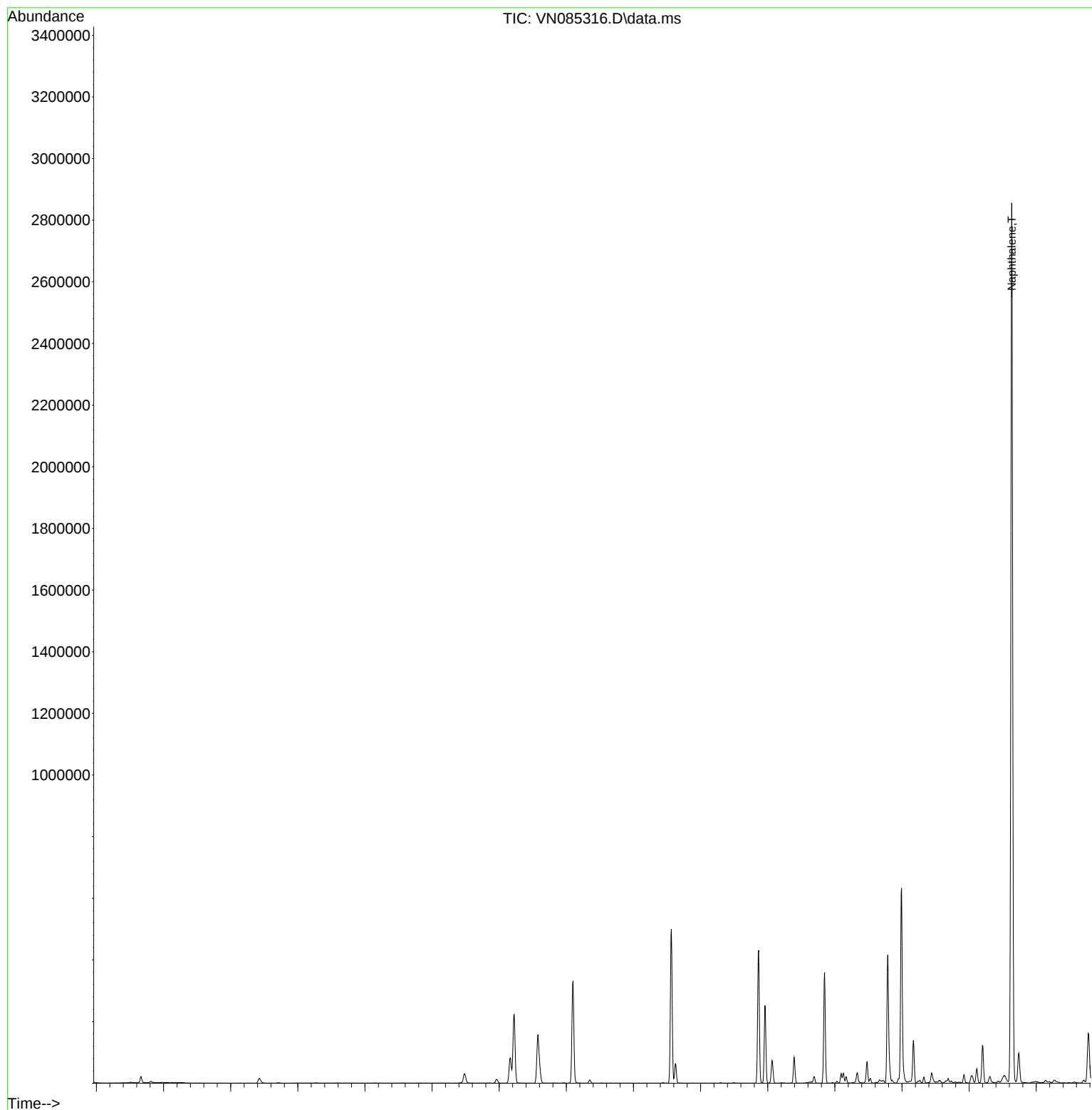
Internal Standards						
1) Pentafluorobenzene	8.224	168	153657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	236786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118832	44.246	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.500%		
35) Dibromofluoromethane	8.165	113	58947	30.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	60.380%#		
50) Toluene-d8	10.565	98	338516	47.439	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.880%		
62) 4-Bromofluorobenzene	12.847	95	117316	46.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.060%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	29305	31.611	ug/l	95
25) 2-Butanone	7.482	43	7325	5.160	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	14901	6.619	ug/l	85
30) Chloroform	7.959	83	12027	3.001	ug/l	96
40) Benzene	8.600	78	39971	4.726	ug/l	99
44) Trichloroethene	9.347	130	3741	1.987	ug/l	86
52) Toluene	10.623	92	26621	5.235	ug/l	99
67) Ethyl Benzene	11.959	91	186080	20.397	ug/l	99
68) m/p-Xylenes	12.064	106	23942	7.017	ug/l	97
69) o-Xylene	12.394	106	21455	6.690	ug/l	97
73) Isopropylbenzene	12.694	105	13420	1.780	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	9714	1.545	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	40410	6.288	ug/l	100
86) p-Isopropyltoluene	13.723	119	3068	2.357	ug/l #	63
95) Naphthalene	15.635	128	2487226	432.846	ug/l	99

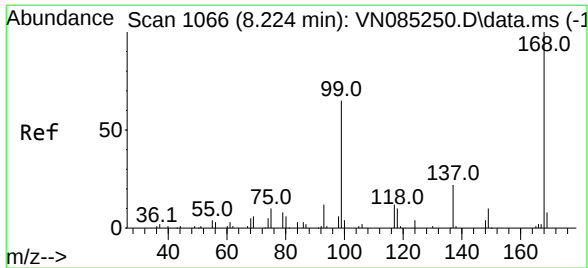
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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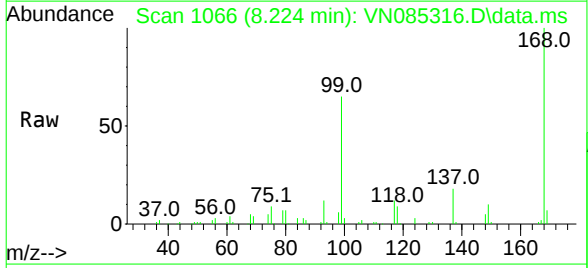
Quant Time: Dec 27 00:46:04 2024
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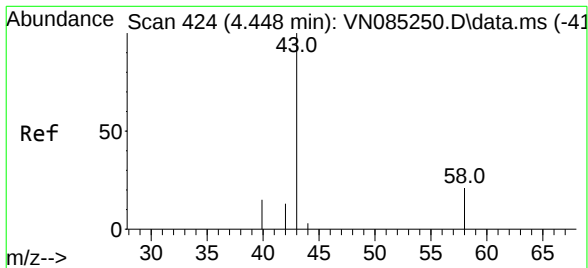
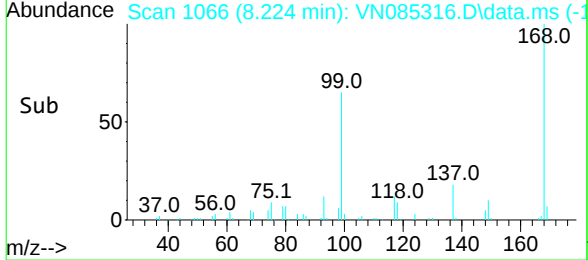
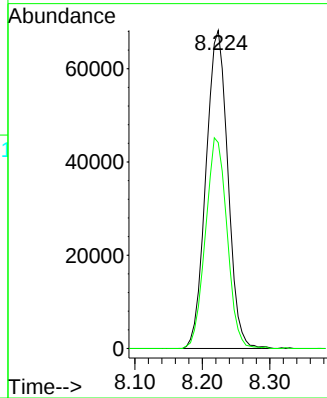


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-1-MRE

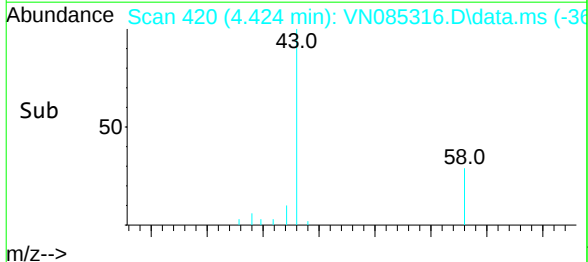
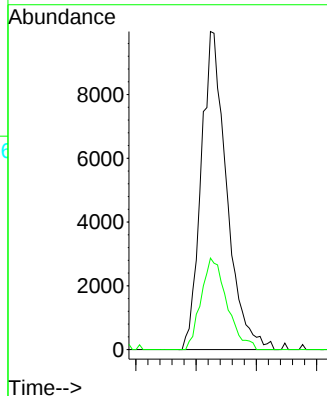
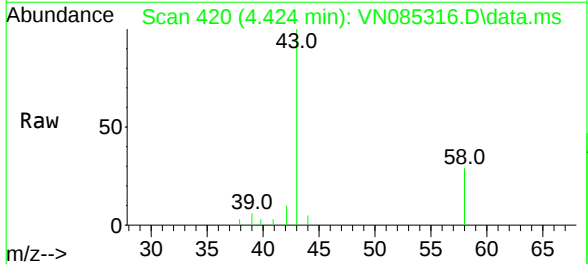


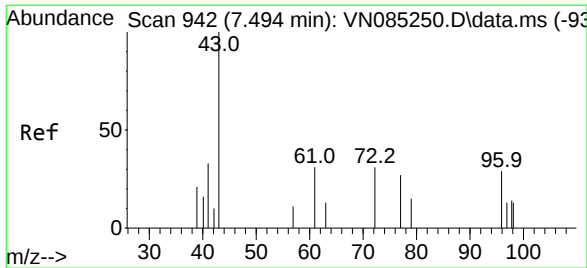
Tgt Ion:168 Resp: 153657
Ion Ratio Lower Upper
168 100
99 64.7 50.7 76.1



#16
Acetone
Concen: 31.611 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

Tgt Ion: 43 Resp: 29305
Ion Ratio Lower Upper
43 100
58 28.8 20.8 31.2





#25

2-Butanone

Concen: 5.160 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

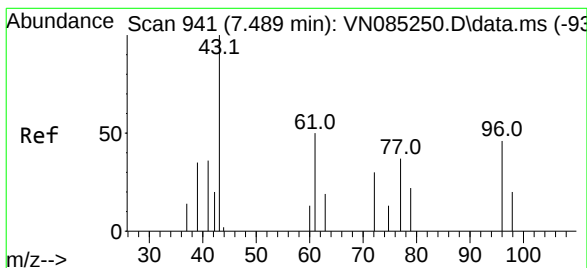
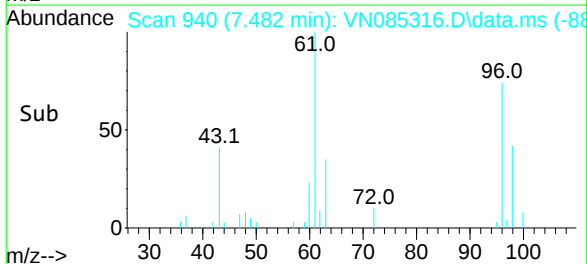
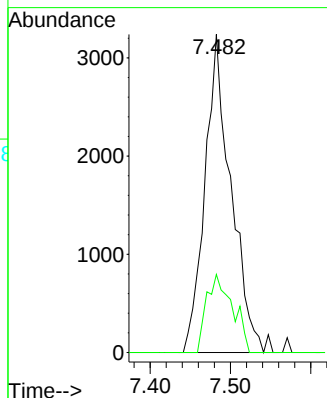
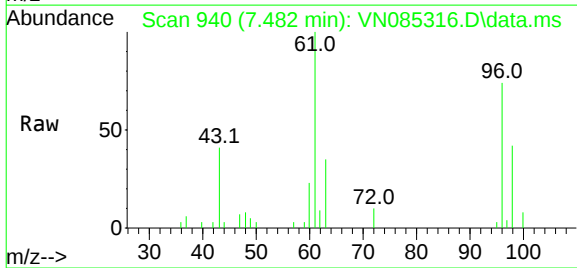
SPLP-C12-1-MRE

Tgt Ion: 43 Resp: 7325

Ion Ratio Lower Upper

43 100

72 24.5 19.6 29.4



#27

cis-1,2-Dichloroethene

Concen: 6.619 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085316.D

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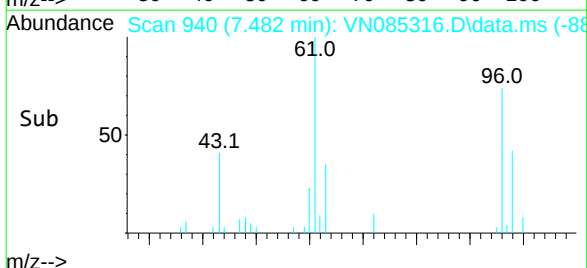
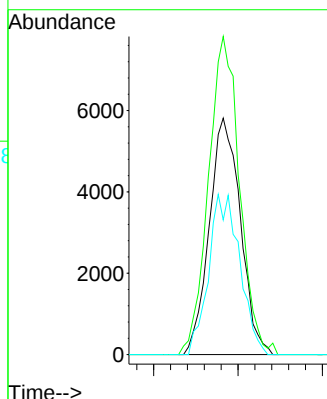
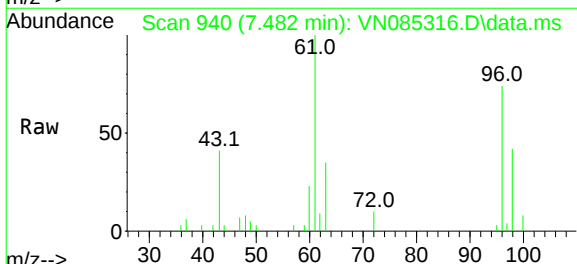
Tgt Ion: 96 Resp: 14901

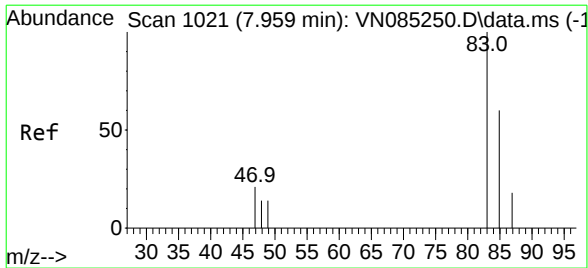
Ion Ratio Lower Upper

96 100

61 134.3 0.0 316.4

98 67.6 0.0 125.4

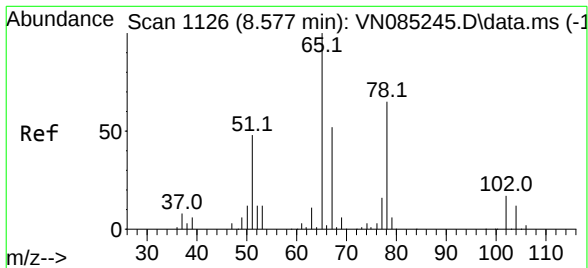
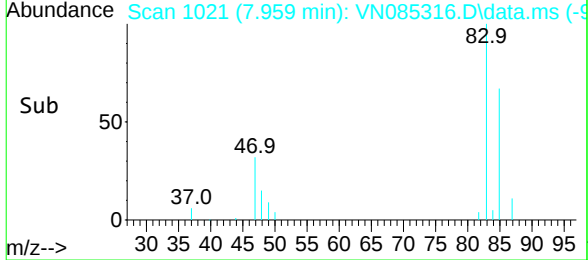
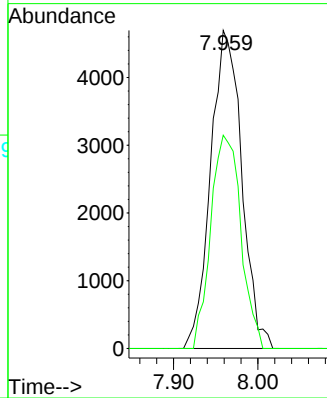
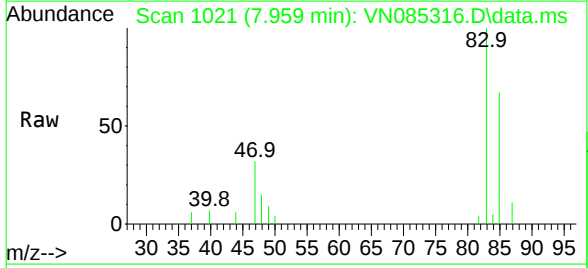




#30
Chloroform
Concen: 3.001 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

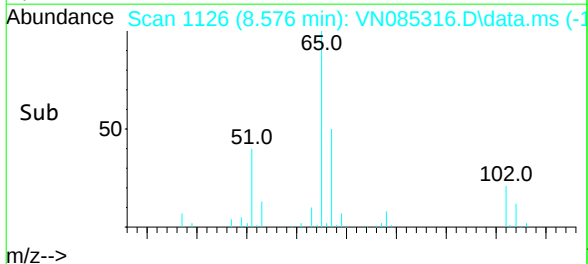
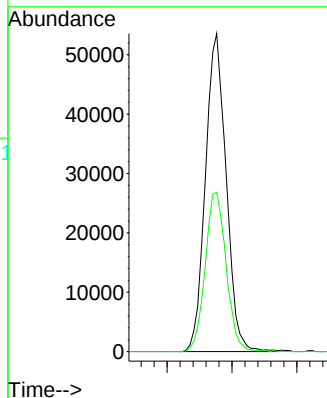
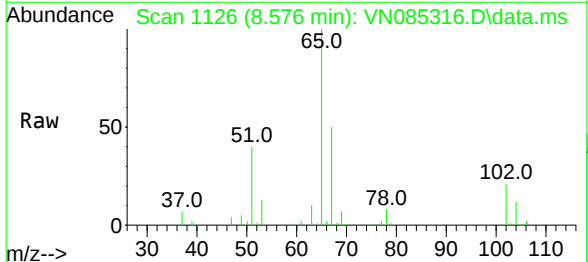
Instrument :
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SPLP-C12-1-MRE

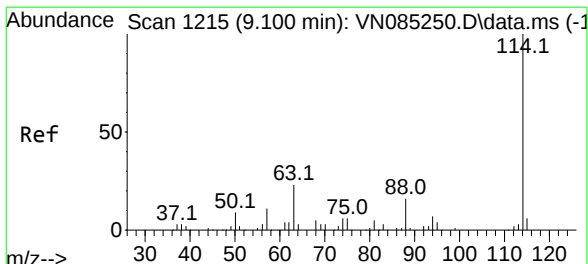
Tgt Ion: 83 Resp: 12027
Ion Ratio Lower Upper
83 100
85 67.1 51.4 77.0



#33
1,2-Dichloroethane-d4
Concen: 44.246 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

Tgt Ion: 65 Resp: 118832
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.2

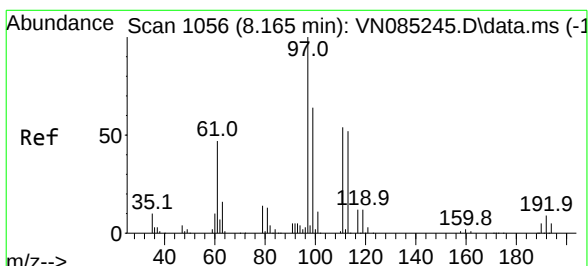
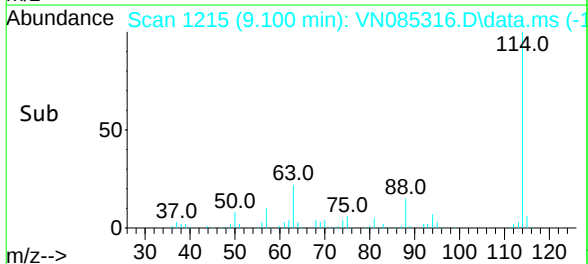
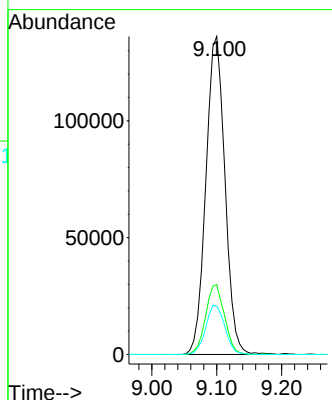
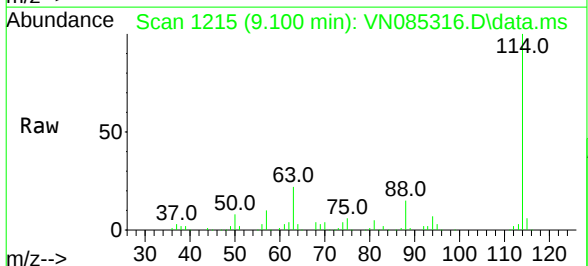




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

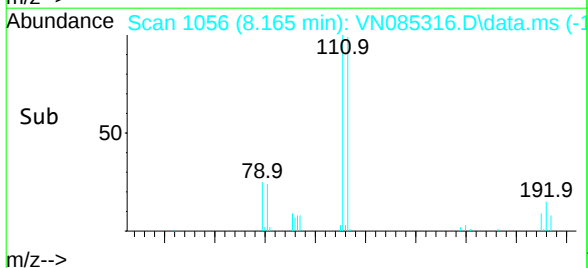
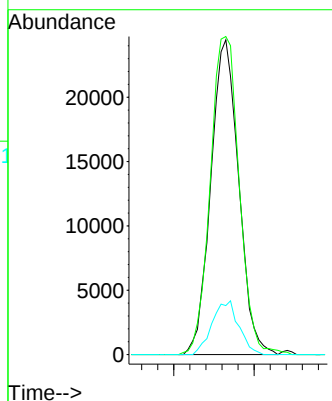
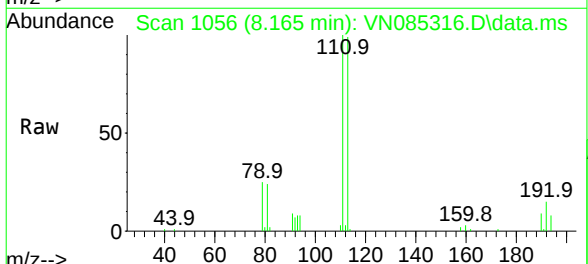
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-1-MRE

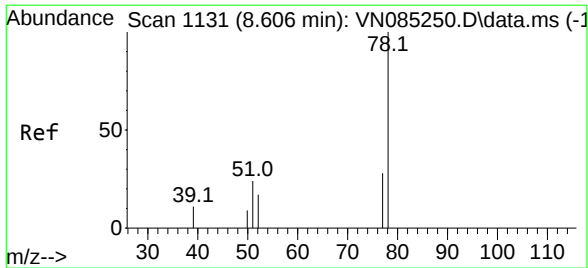
Tgt Ion:	114	Resp:	277699
Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	46.2
88	15.2	0.0	32.6



#35
Dibromofluoromethane
Concen: 30.193 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

Tgt Ion:	113	Resp:	58947
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.1	123.1
192	16.3	13.4	20.0





#40

Benzene

Concen: 4.726 ug/l

RT: 8.600 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

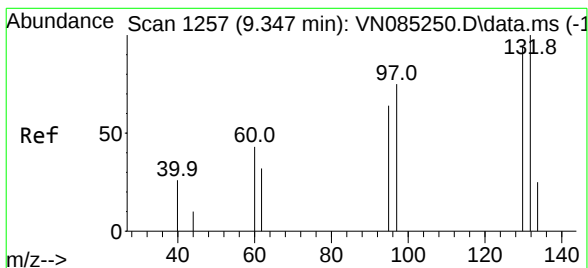
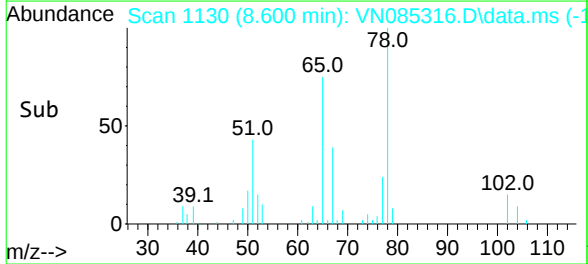
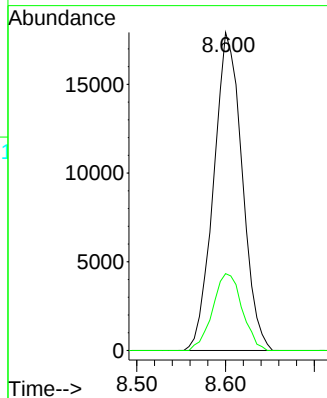
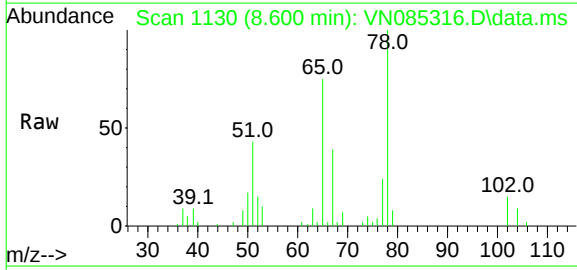
SPLP-C12-1-MRE

Tgt Ion: 78 Resp: 39971

Ion Ratio Lower Upper

78 100

77 24.2 18.9 28.3



#44

Trichloroethene

Concen: 1.987 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085316.D

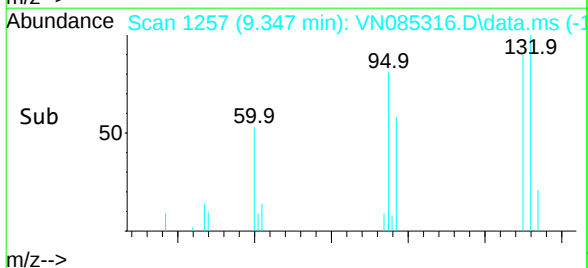
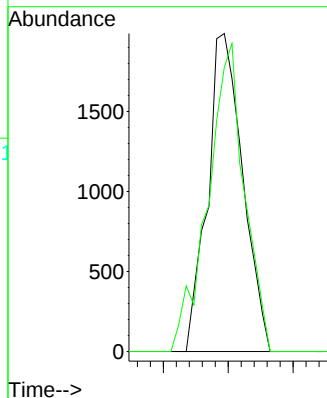
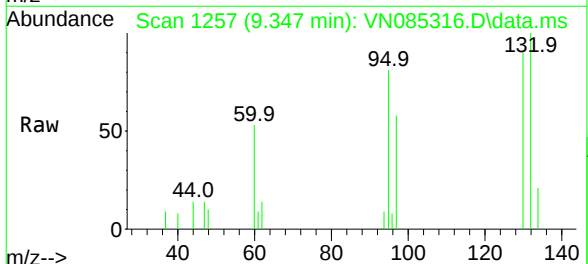
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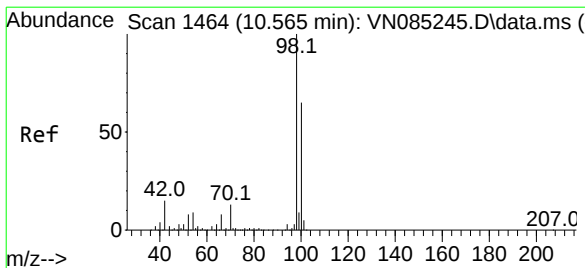
Tgt Ion: 130 Resp: 3741

Ion Ratio Lower Upper

130 100

95 89.4 0.0 207.6





#50

Toluene-d8

Concen: 47.439 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

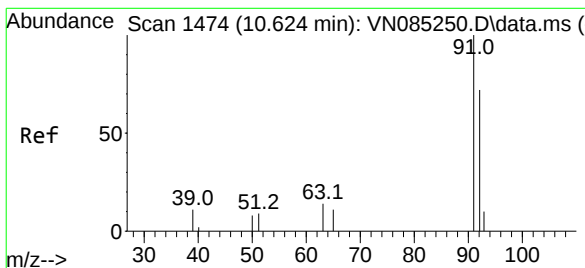
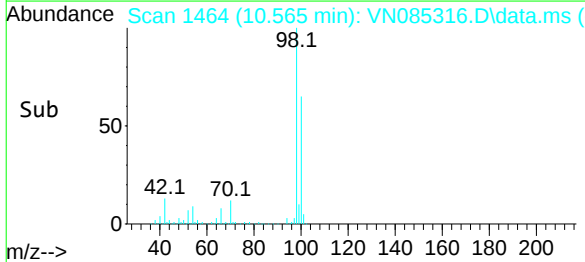
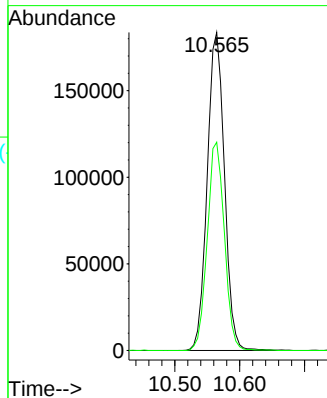
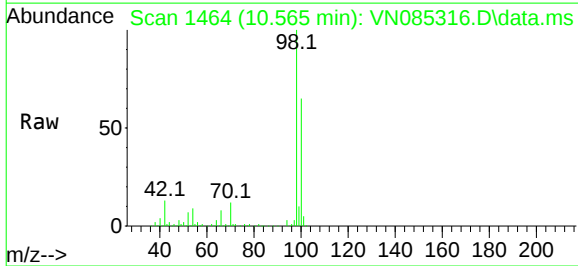
SPLP-C12-1-MRE

Tgt Ion: 98 Resp: 338516

Ion Ratio Lower Upper

98 100

100 65.2 51.6 77.4



#52

Toluene

Concen: 5.235 ug/l

RT: 10.623 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN085316.D

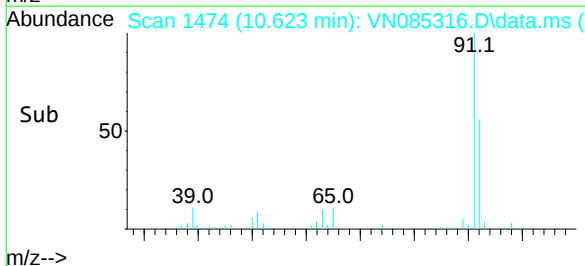
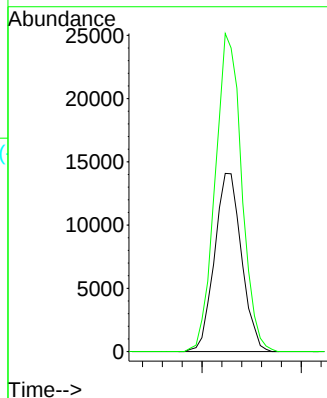
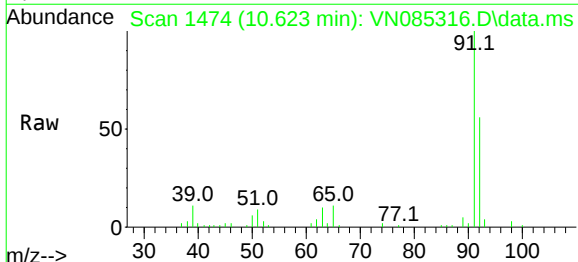
Acq: 26 Dec 2024 14:36

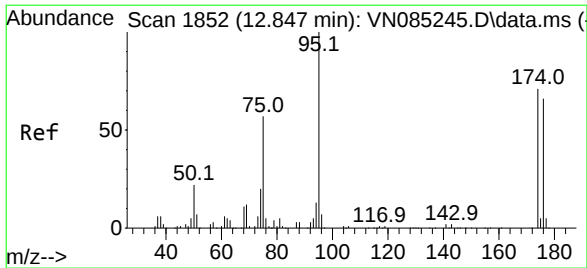
Tgt Ion: 92 Resp: 26621

Ion Ratio Lower Upper

92 100

91 175.1 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 46.029 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085316.D

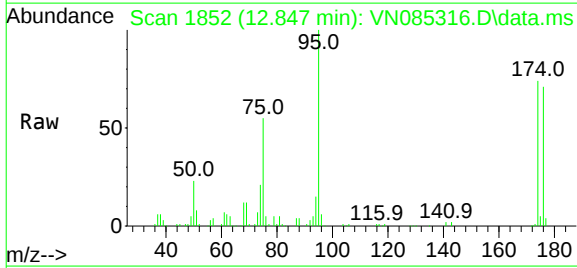
Acq: 26 Dec 2024 14:36

Instrument :

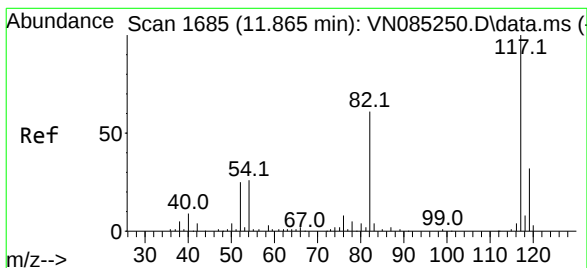
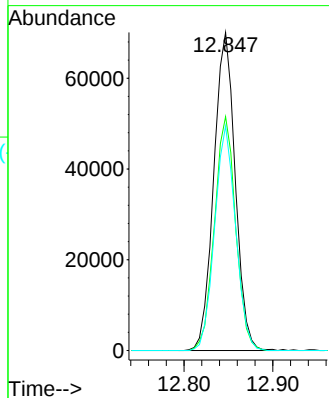
MSVOA_N

ClientSampleId :

SPLP-C12-1-MRE



Tgt Ion:	95	Resp:	117316
Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	144.4
176	69.1	0.0	136.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

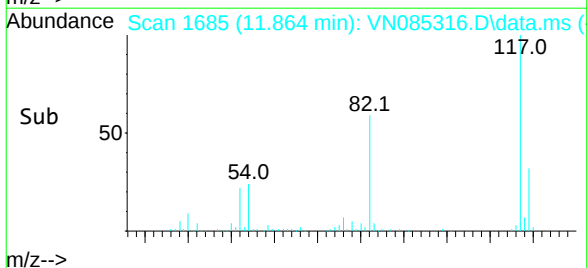
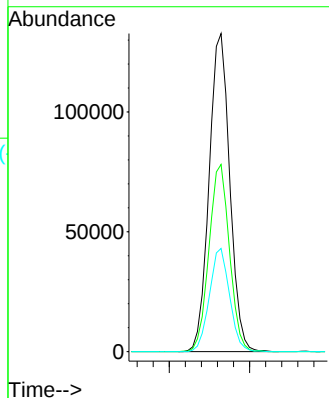
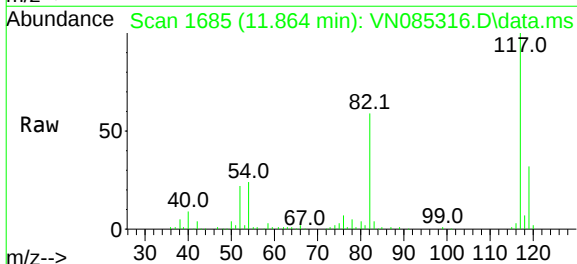
RT: 11.864 min Scan# 1685

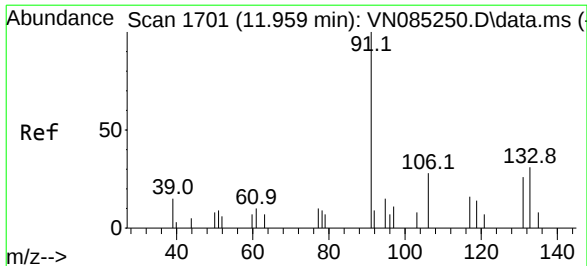
Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Tgt Ion:	117	Resp:	236786
Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.4	71.2
119	32.4	25.6	38.4





#67

Ethyl Benzene

Concen: 20.397 ug/l

RT: 11.959 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085316.D

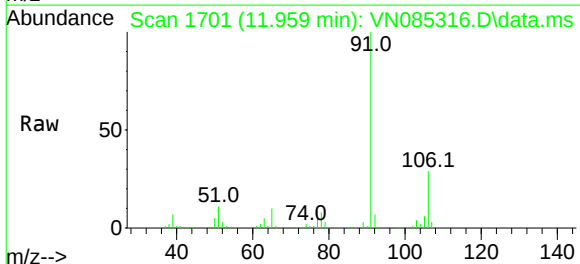
Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

SPLP-C12-1-MRE

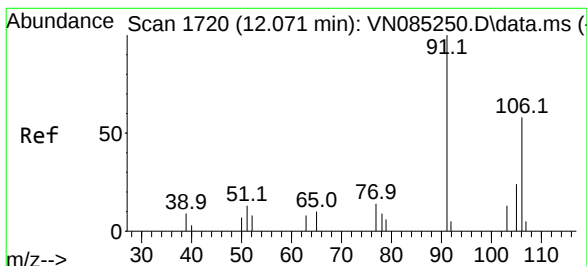
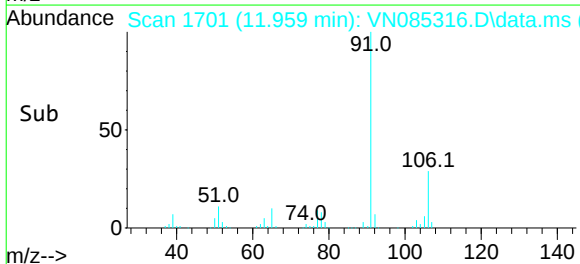
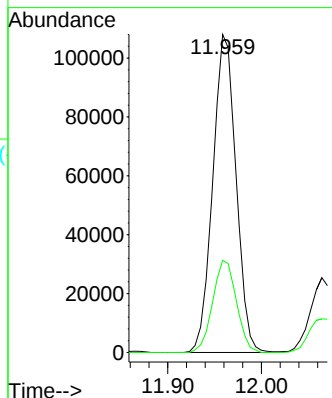


Tgt Ion: 91 Resp: 186080

Ion Ratio Lower Upper

91 100

106 29.0 23.5 35.3



#68

m/p-Xylenes

Concen: 7.017 ug/l

RT: 12.064 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085316.D

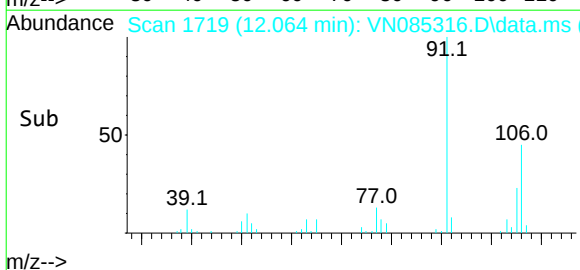
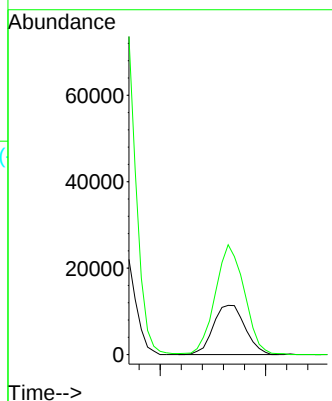
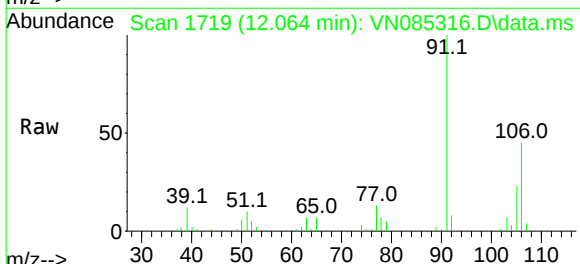
Acq: 26 Dec 2024 14:36

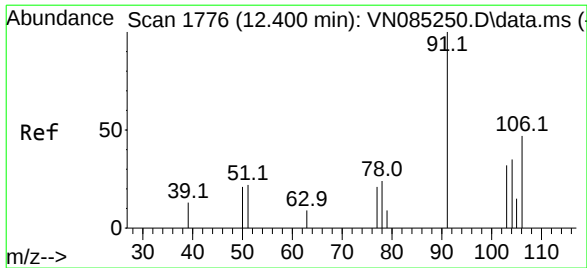
Tgt Ion:106 Resp: 23942

Ion Ratio Lower Upper

106 100

91 205.2 168.3 252.5





#69

o-Xylene

Concen: 6.690 ug/l

RT: 12.394 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

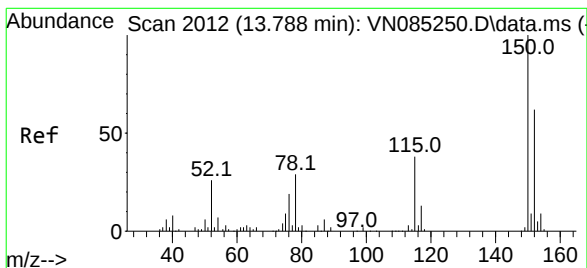
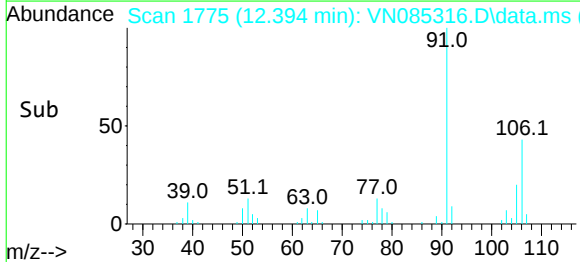
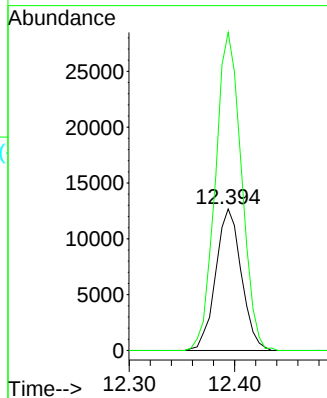
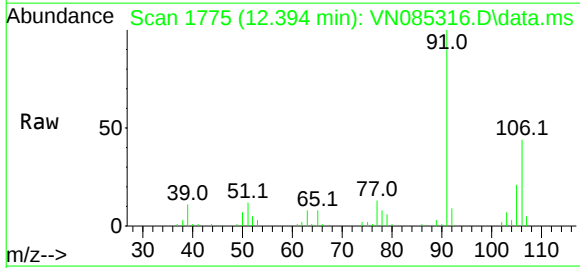
SPLP-C12-1-MRE

Tgt Ion:106 Resp: 21455

Ion Ratio Lower Upper

106 100

91 228.5 112.1 336.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

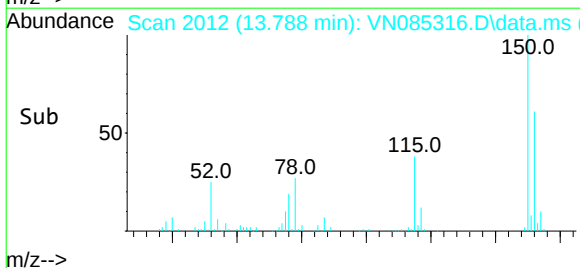
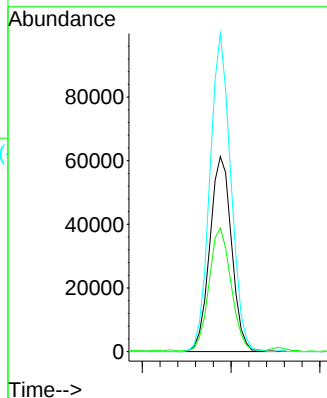
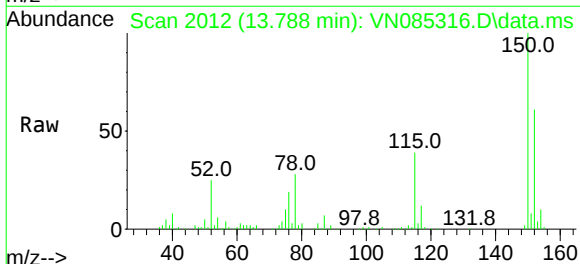
Tgt Ion:152 Resp: 104487

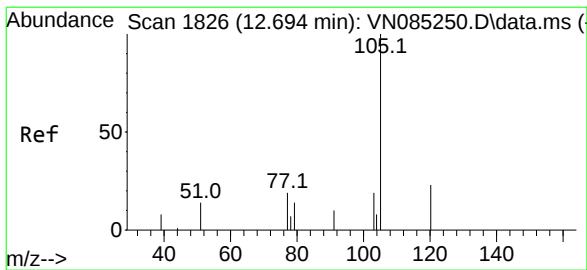
Ion Ratio Lower Upper

152 100

115 63.4 32.1 96.3

150 156.5 0.0 354.6





#73

Isopropylbenzene

Concen: 1.780 ug/l

RT: 12.694 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085316.D

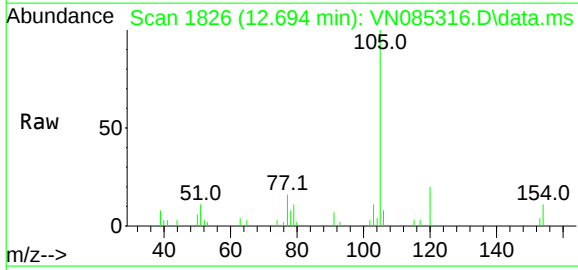
Acq: 26 Dec 2024 14:36

Instrument :

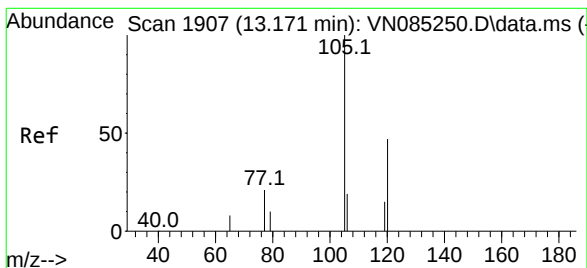
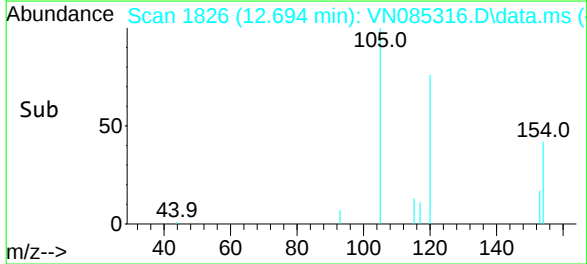
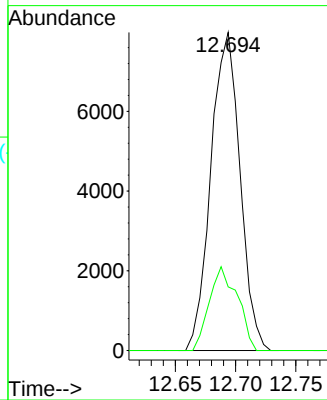
MSVOA_N

ClientSampleId :

SPLP-C12-1-MRE



Tgt Ion:105 Resp: 13420
Ion Ratio Lower Upper
105 100
120 25.4 13.0 38.9



#80

1,3,5-Trimethylbenzene

Concen: 1.545 ug/l

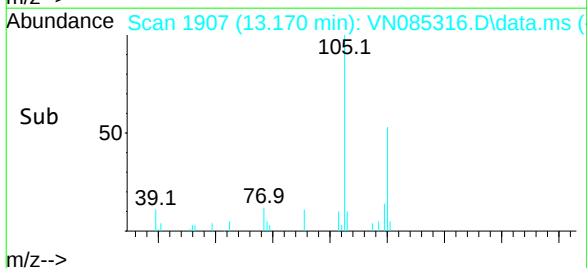
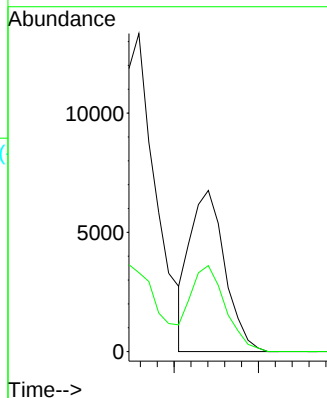
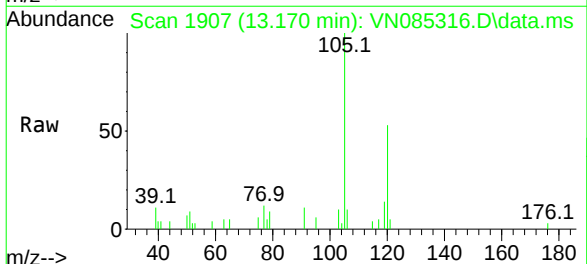
RT: 13.170 min Scan# 1907

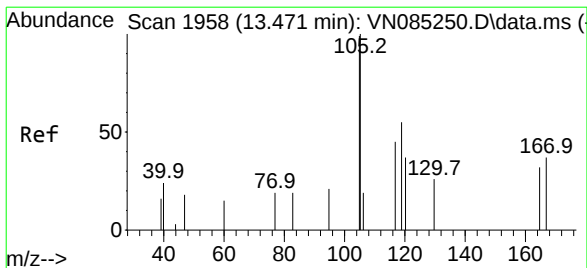
Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Tgt Ion:105 Resp: 9714
Ion Ratio Lower Upper
105 100
120 53.4 23.4 70.2





#84

1,2,4-Trimethylbenzene

Concen: 6.288 ug/l

RT: 13.482 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

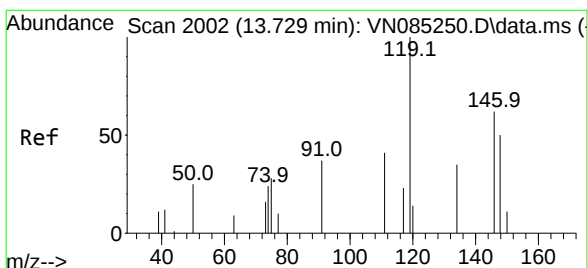
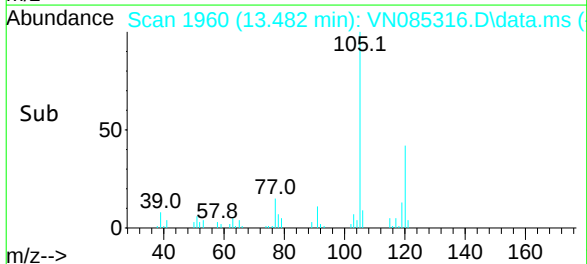
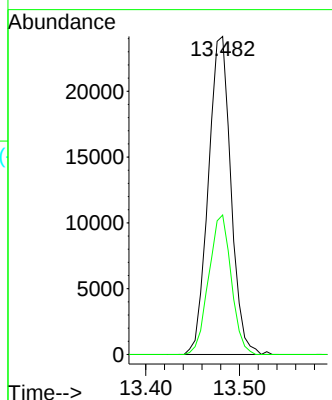
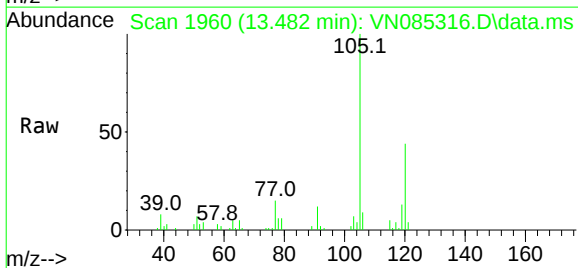
SPLP-C12-1-MRE

Tgt Ion:105 Resp: 40410

Ion Ratio Lower Upper

105 100

120 43.8 21.8 65.3



#86

p-Isopropyltoluene

Concen: 2.357 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN085316.D

Acq: 26 Dec 2024 14:36

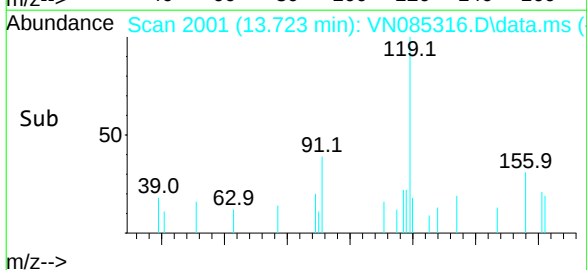
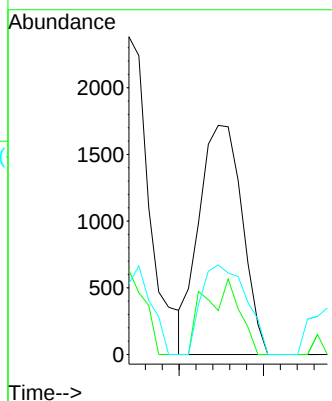
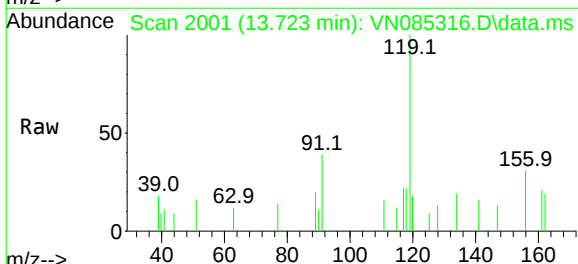
Tgt Ion:119 Resp: 3068

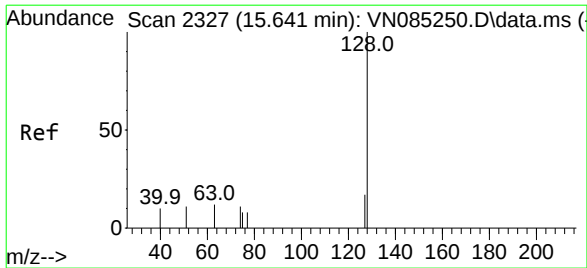
Ion Ratio Lower Upper

119 100

134 14.0 12.5 37.5

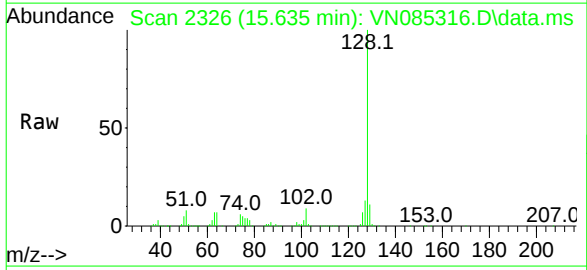
91 0.0 13.0 38.9#





#95
Naphthalene
Concen: 432.846 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085316.D
Acq: 26 Dec 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-1-MRE



Tgt Ion:128 Resp: 2487226

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.6	13.0

