

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085294.D
 Acq On : 23 Dec 2024 15:14
 Operator : JC\MD
 Sample : P5371-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-C10-2-M

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/26/2024
 Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 24 05:57:45 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	8.218	168	197251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	350073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	303609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147265	42.715	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.420%		
35) Dibromofluoromethane	8.165	113	80934	32.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	65.760%#		
50) Toluene-d8	10.559	98	422663	46.986	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.980%		
62) 4-Bromofluorobenzene	12.841	95	161089	50.137	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.280%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.518	62	5446	1.941	ug/l	91
16) Acetone	4.424	43	23166	19.466	ug/l #	83
17) Carbon Disulfide	4.718	76	9001	1.172	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	64343	22.264	ug/l	86
30) Chloroform	7.965	83	22047	4.285	ug/l	97
40) Benzene	8.600	78	1044213	97.942	ug/l	99
44) Trichloroethene	9.353	130	5799	2.443	ug/l	76
52) Toluene	10.623	92	1287007	200.761	ug/l	100
67) Ethyl Benzene	11.959	91	5381130	460.016	ug/l	99
68) m/p-Xylenes	12.065	106	786994	179.883	ug/l	98
69) o-Xylene	12.394	106	531523	129.252	ug/l	97
73) Isopropylbenzene	12.688	105	217767	20.333	ug/l	98
78) n-propylbenzene	13.029	91	73620	5.605	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	165585	18.536	ug/l	92
84) 1,2,4-Trimethylbenzene	13.476	105	665630	72.894	ug/l	99
86) p-Isopropyltoluene	13.723	119	32803	5.031	ug/l #	74
95) Naphthalene	15.629	128	24843357m	3042.669	ug/l	

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

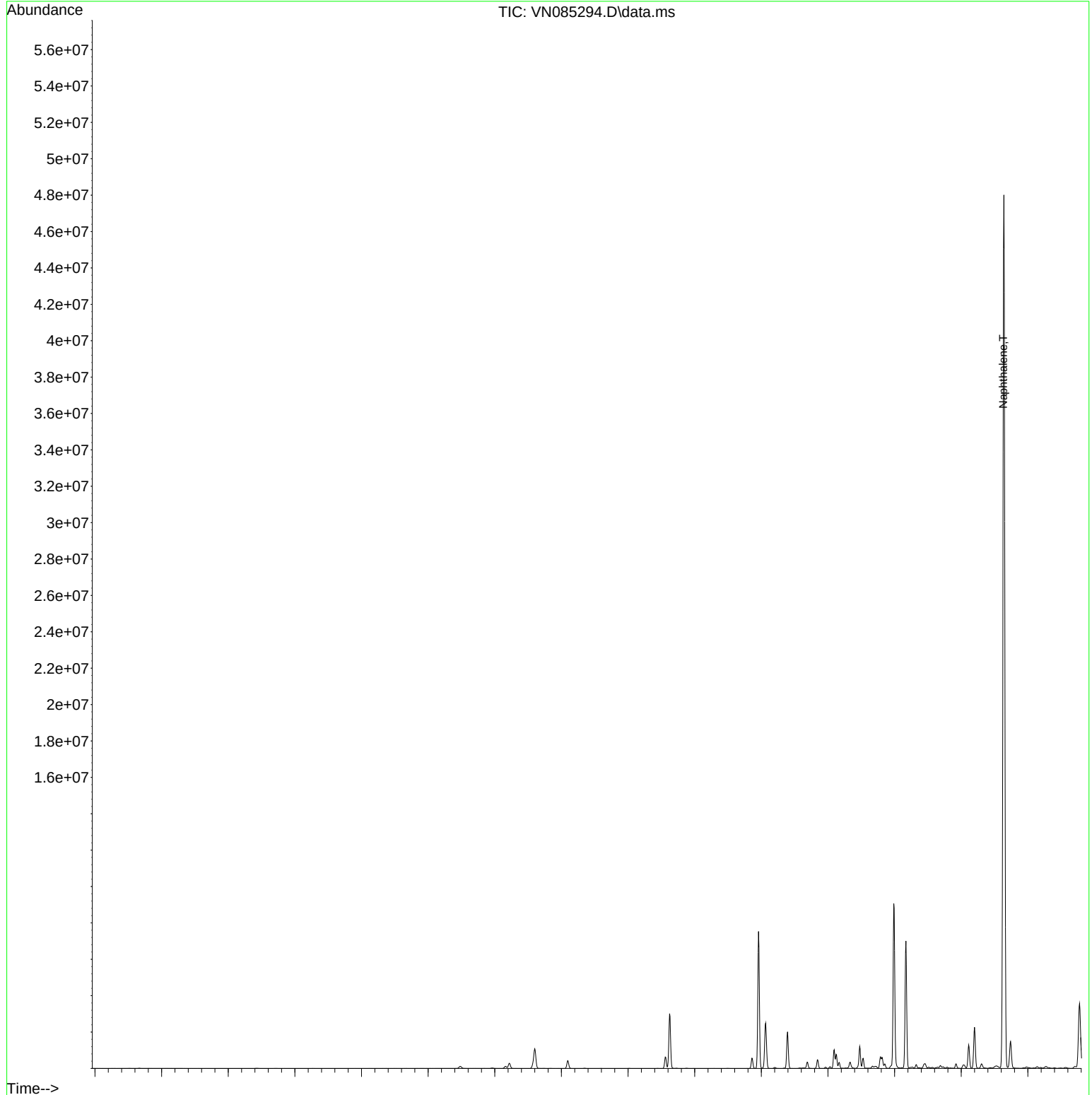
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
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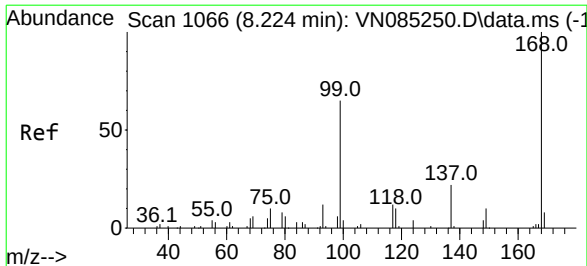
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M

Quant Time: Dec 24 05:57:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
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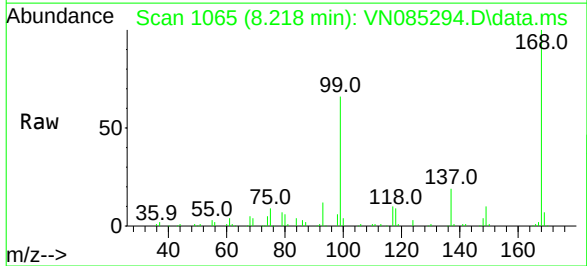
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.000 min
 Lab File: VN085294.D
 Acq: 23 Dec 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

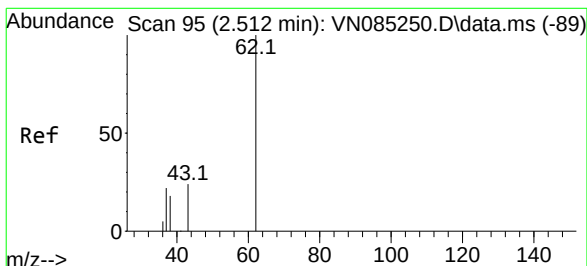
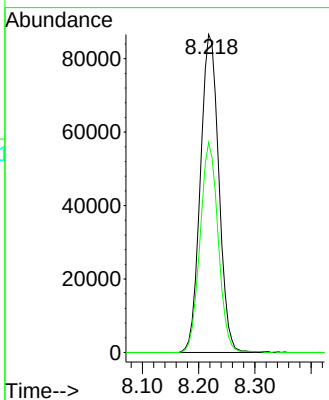
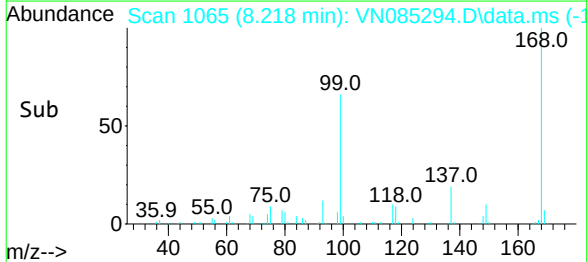
SPLP-C10-2-M



Tgt Ion: 168 Resp: 197251
 Ion Ratio Lower Upper
 168 100
 99 66.1 50.7 76.1

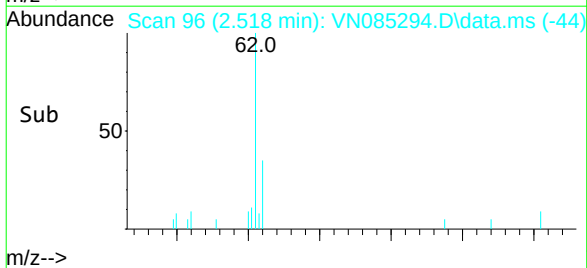
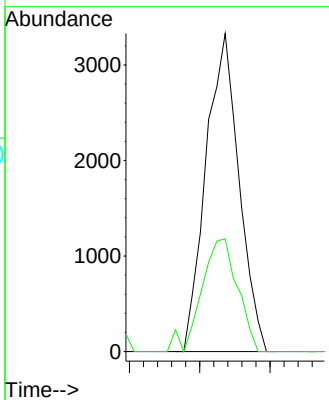
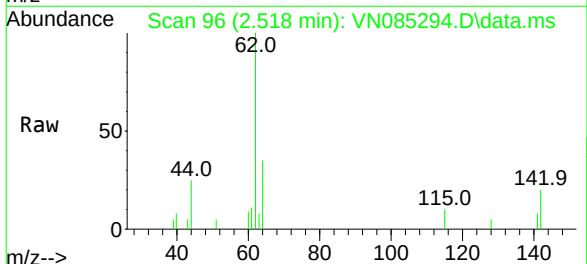
Manual Integrations
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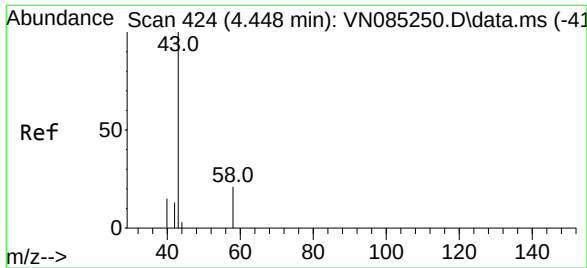
Reviewed By :John Carlone 12/26/2024
 Supervised By :Mahesh Dadoda 12/26/2024



#4
 Vinyl Chloride
 Concen: 1.941 ug/l
 RT: 2.518 min Scan# 96
 Delta R.T. 0.006 min
 Lab File: VN085294.D
 Acq: 23 Dec 2024 15:14

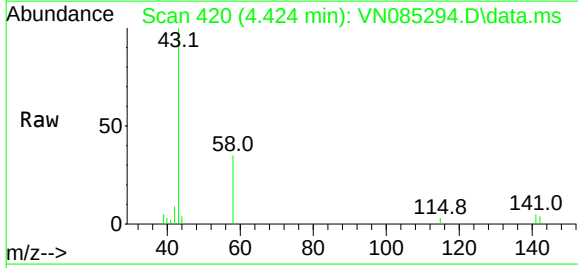
Tgt Ion: 62 Resp: 5446
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.5 36.7





#16
Acetone
Concen: 19.466 ug/l
RT: 4.424 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

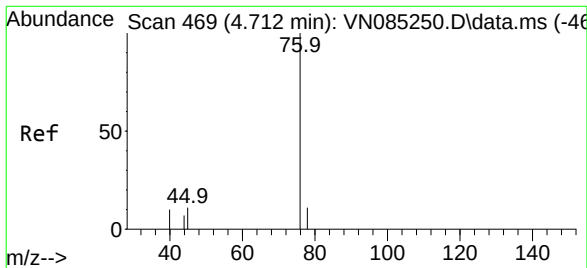
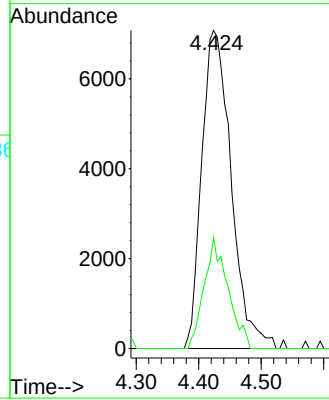
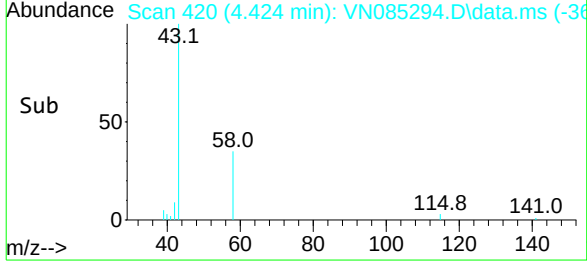
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion: 43 Resp: 23166
Ion Ratio Lower Upper
43 100
58 34.9 20.8 31.2

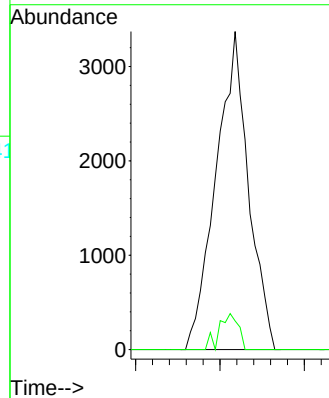
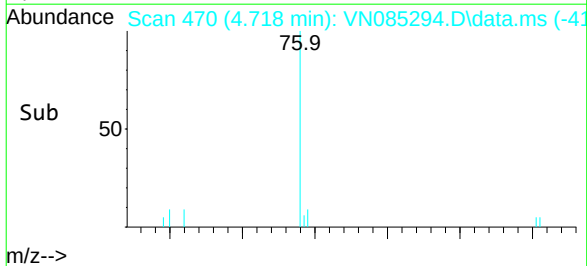
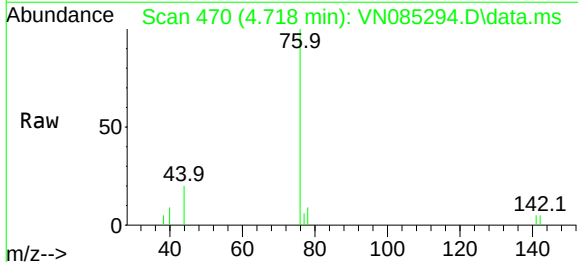
Manual Integrations
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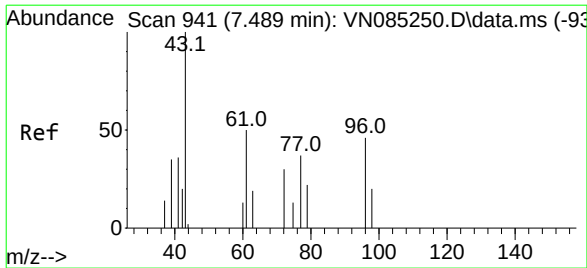
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#17
Carbon Disulfide
Concen: 1.172 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

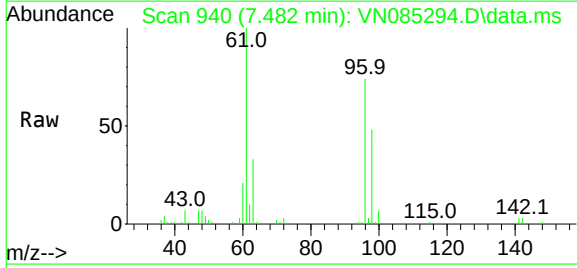
Tgt Ion: 76 Resp: 9001
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2





#27
cis-1,2-Dichloroethene
Concen: 22.264 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

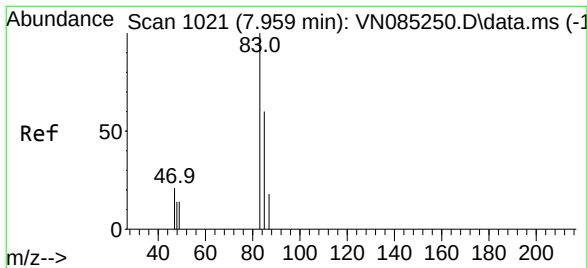
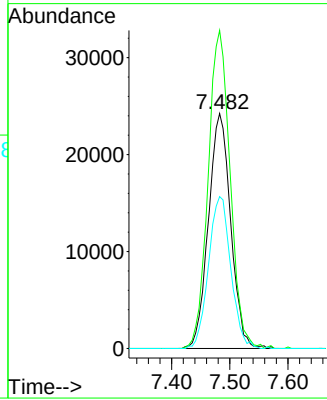
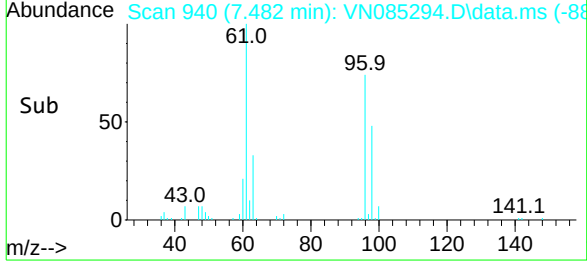
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion: 96 Resp: 64343
Ion Ratio Lower Upper
96 100
61 133.8 0.0 316.4
98 64.7 0.0 125.4

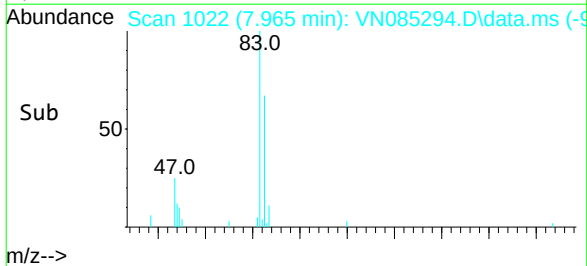
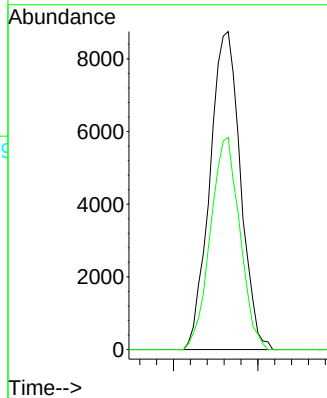
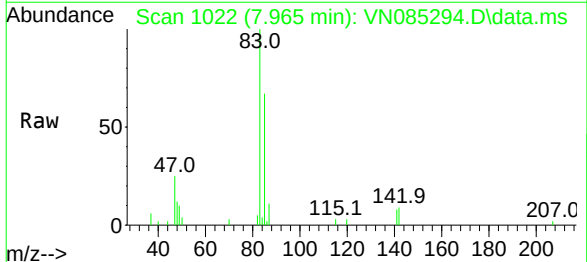
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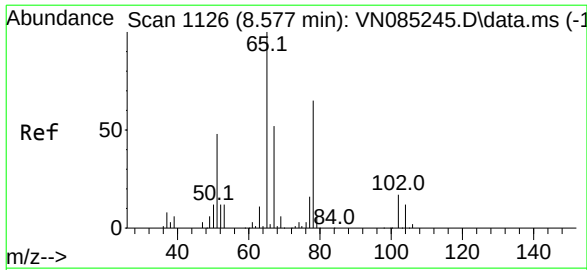
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#30
Chloroform
Concen: 4.285 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion: 83 Resp: 22047
Ion Ratio Lower Upper
83 100
85 66.7 51.4 77.0





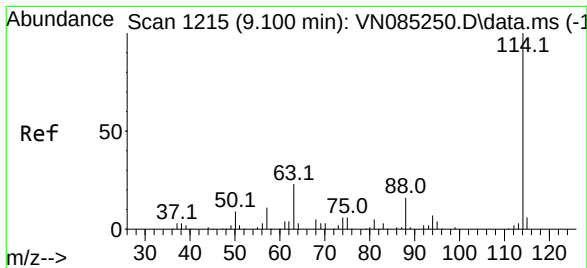
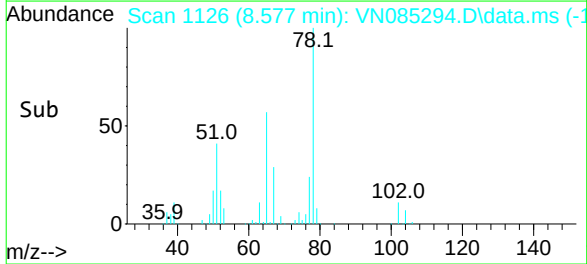
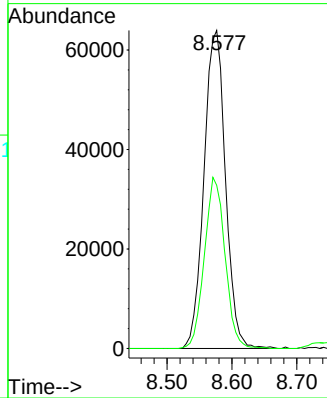
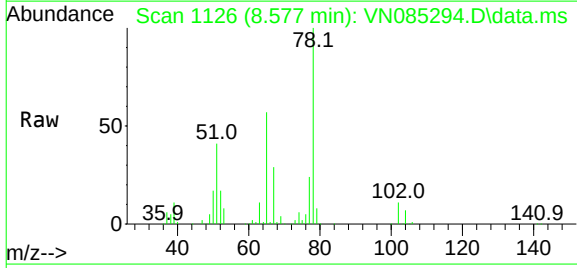
#33
1,2-Dichloroethane-d4
Concen: 42.715 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M

Tgt Ion: 65 Resp: 147265
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.2

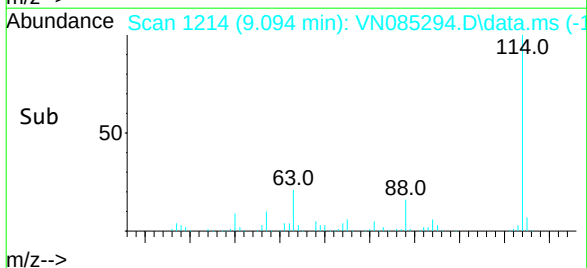
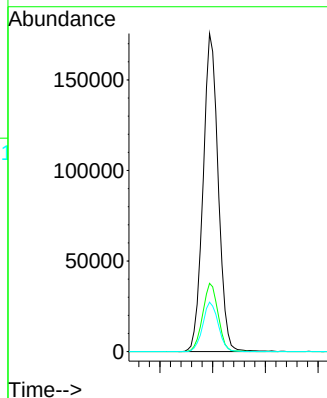
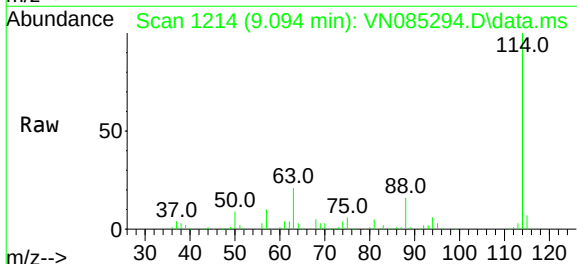
Manual Integrations
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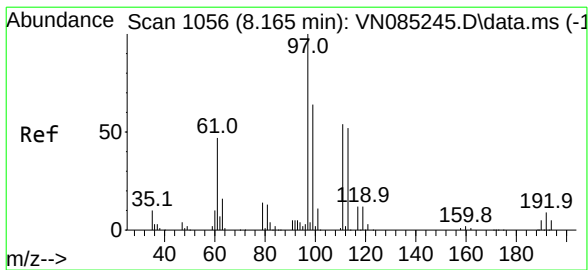
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion:114 Resp: 350073
Ion Ratio Lower Upper
114 100
63 21.5 0.0 46.2
88 15.5 0.0 32.6





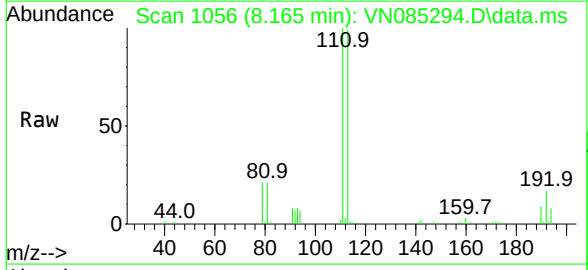
#35
 Dibromofluoromethane
 Concen: 32.884 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN085294.D
 Acq: 23 Dec 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

SPLP-C10-2-M



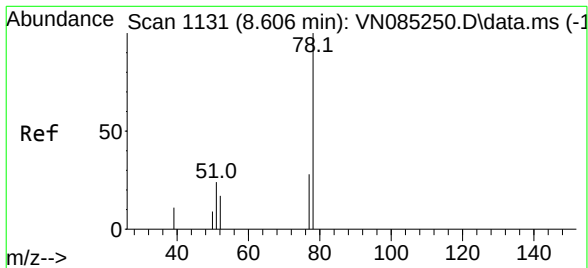
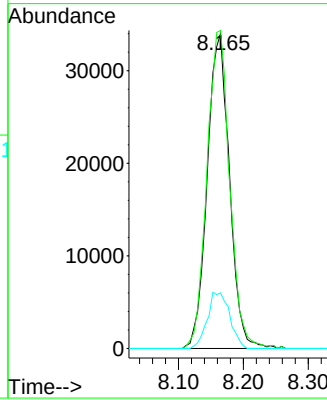
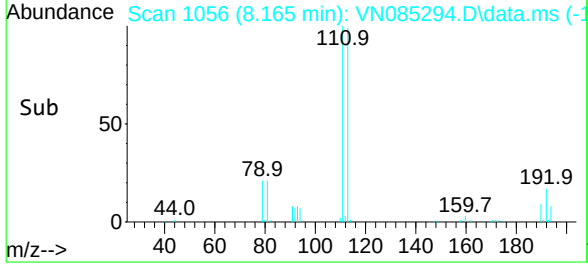
Tgt Ion:	113	Resp:	80934
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	17.9	13.4	20.0

Manual Integrations

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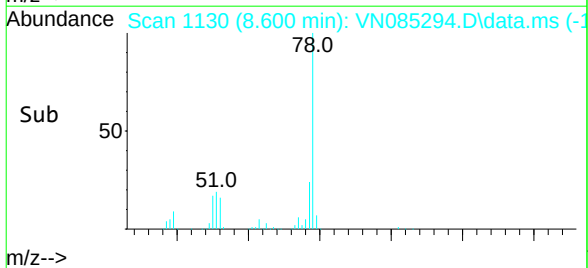
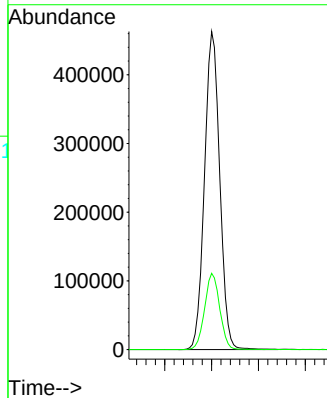
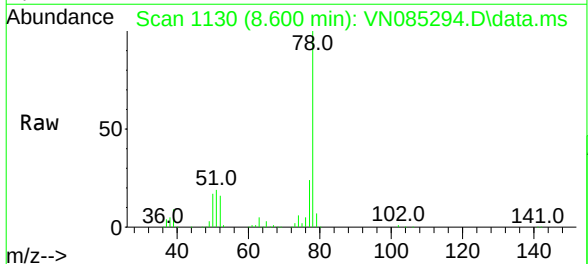
Reviewed By :John Carlone 12/26/2024

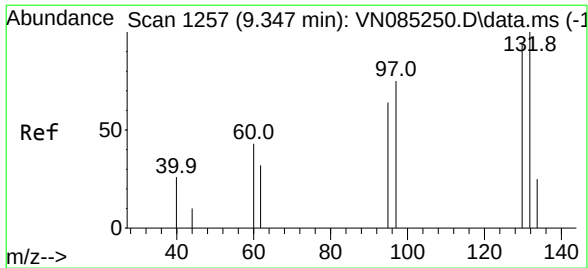
Supervised By :Mahesh Dadoda 12/26/2024



#40
 Benzene
 Concen: 97.942 ug/l
 RT: 8.600 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN085294.D
 Acq: 23 Dec 2024 15:14

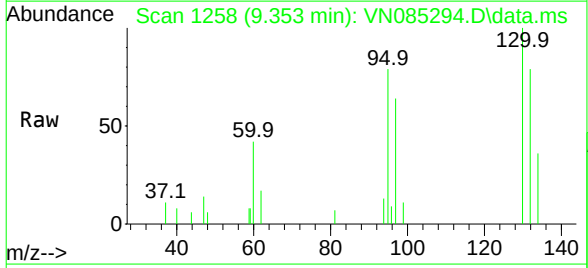
Tgt Ion:	78	Resp:	1044213
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





#44
Trichloroethene
Concen: 2.443 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

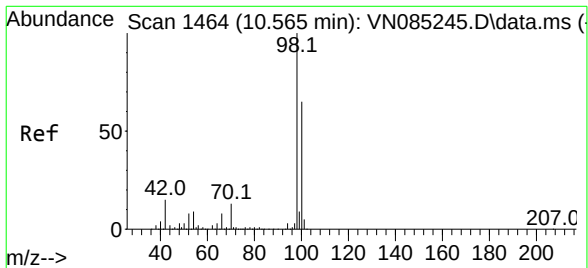
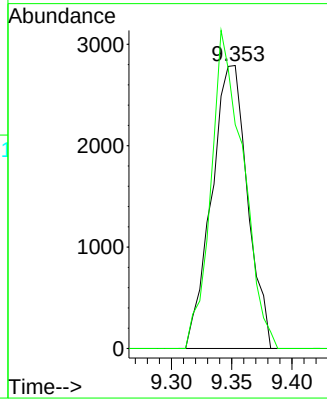
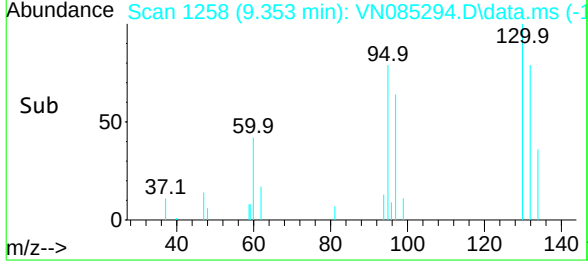
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion:130 Resp: 5799
Ion Ratio Lower Upper
130 100
95 79.1 0.0 207.6

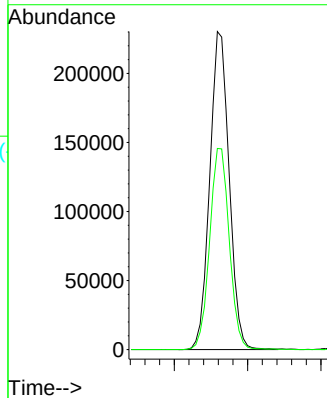
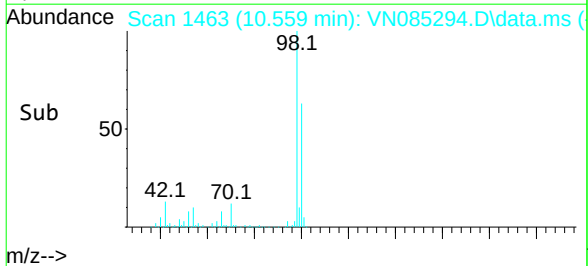
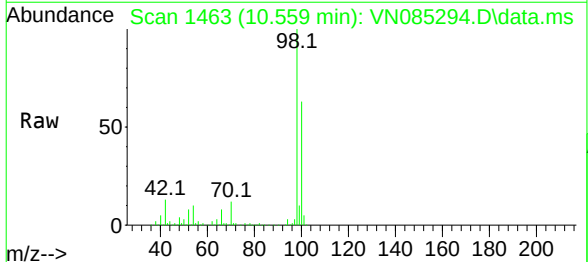
Manual Integrations
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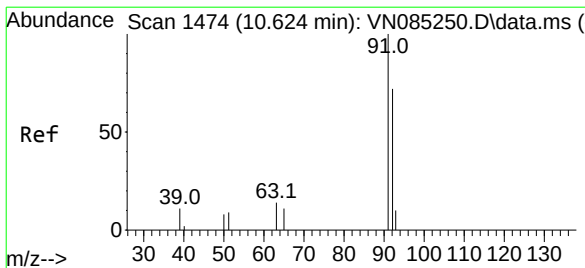
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#50
Toluene-d8
Concen: 46.986 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion: 98 Resp: 422663
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#52

Toluene

Concen: 200.761 ug/l

RT: 10.623 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN085294.D

Acq: 23 Dec 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

SPLP-C10-2-M

Tgt Ion: 92 Resp: 1287007

Ion Ratio Lower Upper

92 100

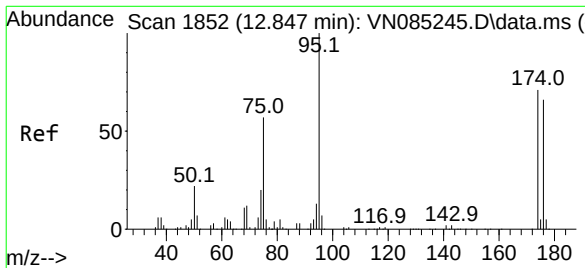
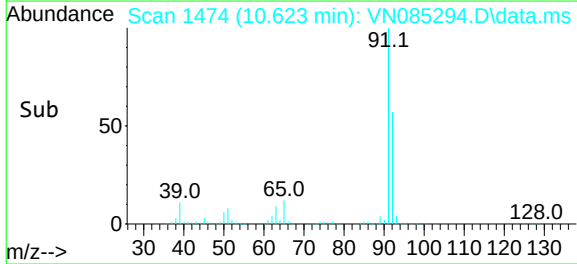
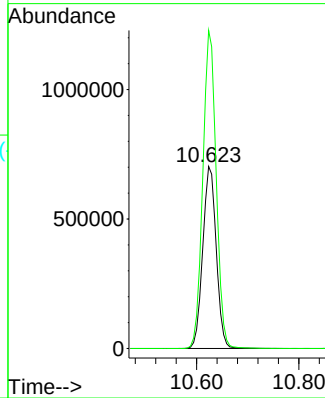
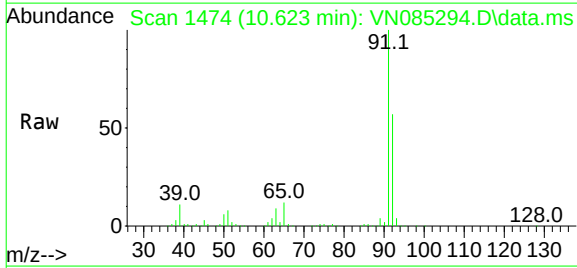
91 173.1 138.9 208.3

Manual Integrations

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Reviewed By :John Carlone 12/26/2024

Supervised By :Mahesh Dadoda 12/26/2024



#62

4-Bromofluorobenzene

Concen: 50.137 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. -0.006 min

Lab File: VN085294.D

Acq: 23 Dec 2024 15:14

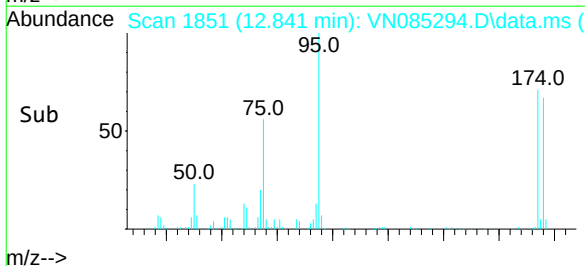
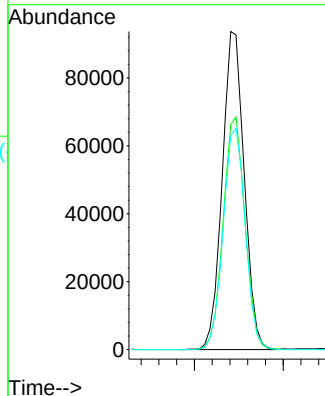
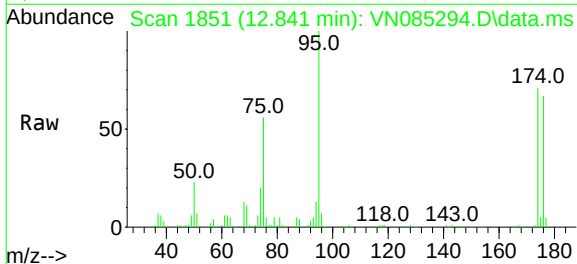
Tgt Ion: 95 Resp: 161089

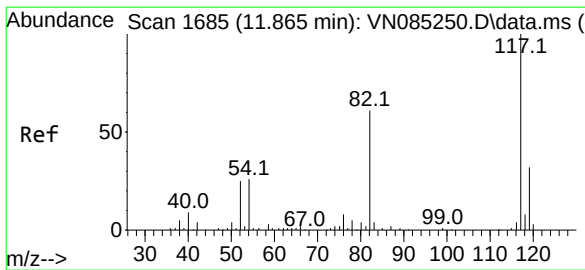
Ion Ratio Lower Upper

95 100

174 72.8 0.0 144.4

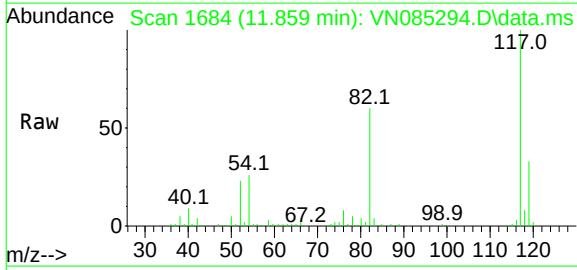
176 69.9 0.0 136.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

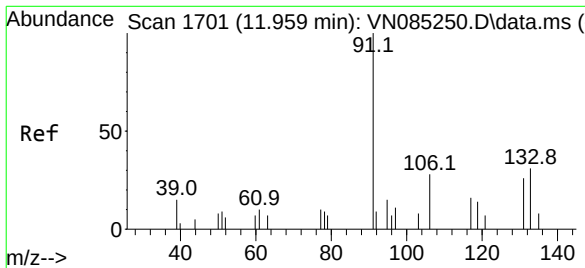
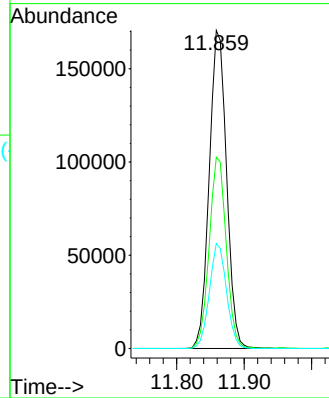
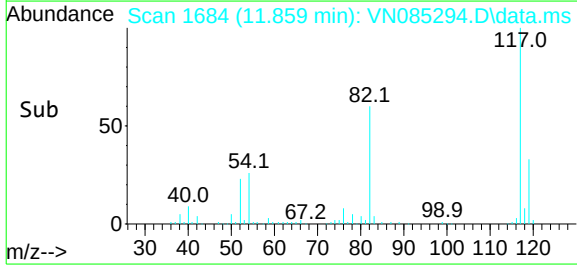
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion: 117 Resp: 303609
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 33.0 25.6 38.4

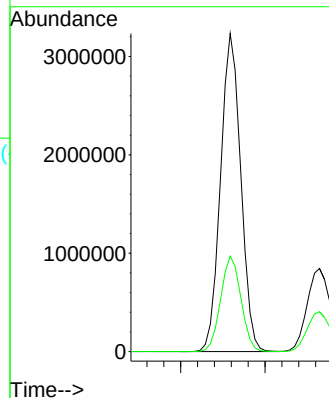
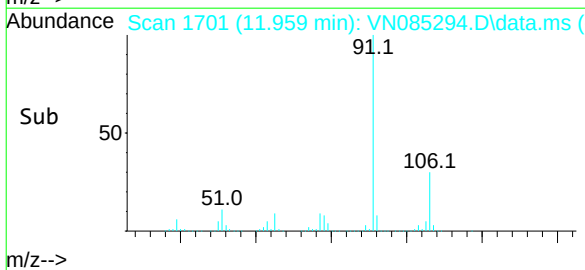
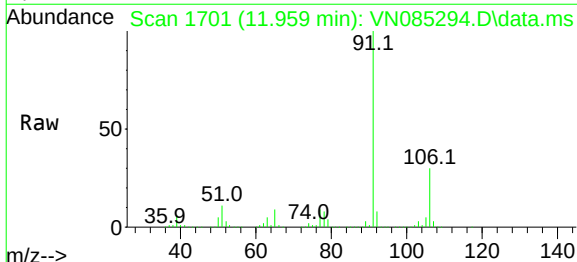
Manual Integrations
APPROVED

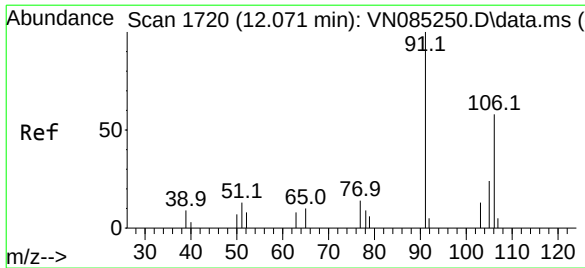
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#67
Ethyl Benzene
Concen: 460.016 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion: 91 Resp: 5381130
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3





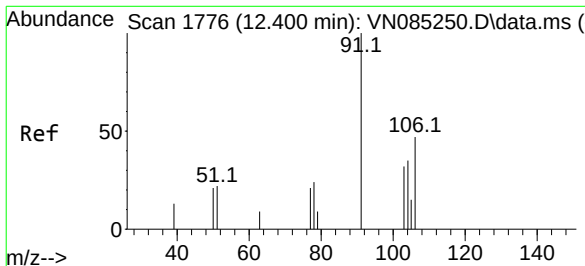
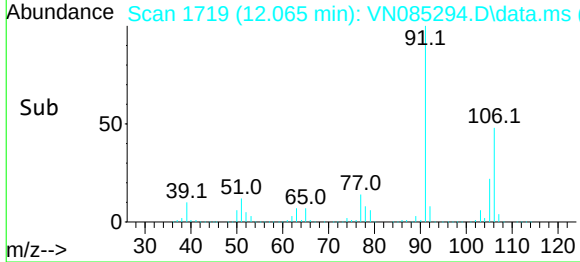
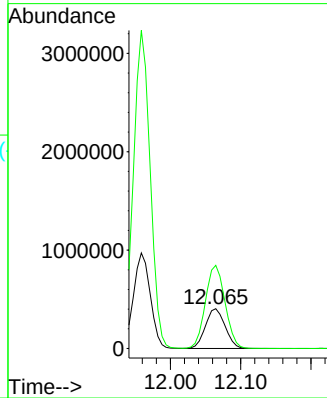
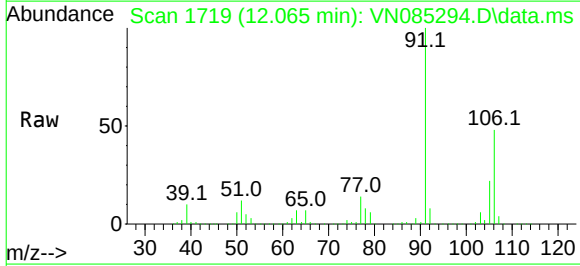
#68
m/p-Xylenes
Concen: 179.883 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M

Tgt Ion:106 Resp: 786994
Ion Ratio Lower Upper
106 100
91 208.0 168.3 252.5

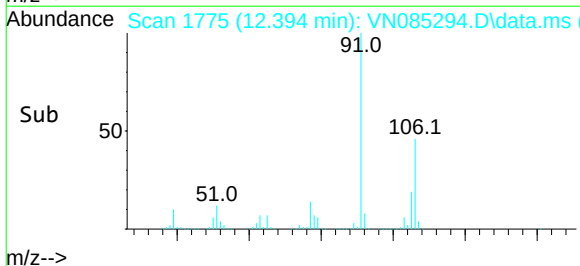
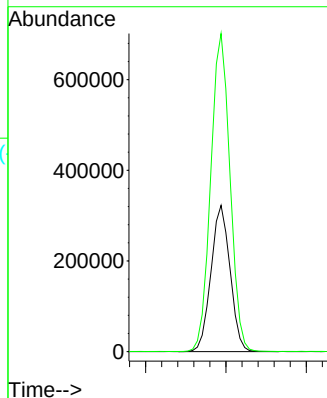
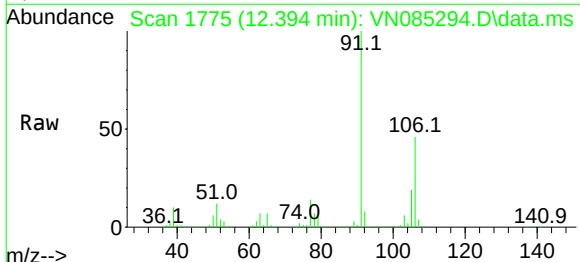
Manual Integrations
APPROVED

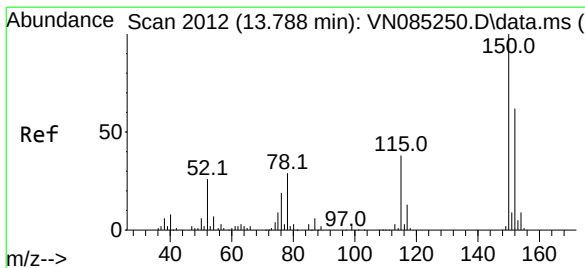
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#69
o-Xylene
Concen: 129.252 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

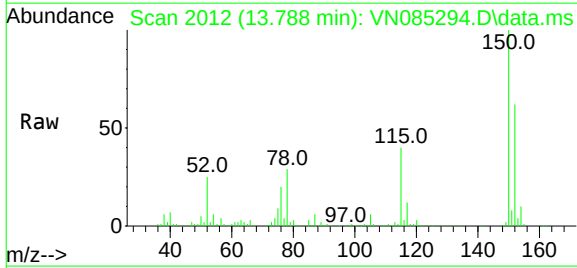
Tgt Ion:106 Resp: 531523
Ion Ratio Lower Upper
106 100
91 219.6 112.1 336.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

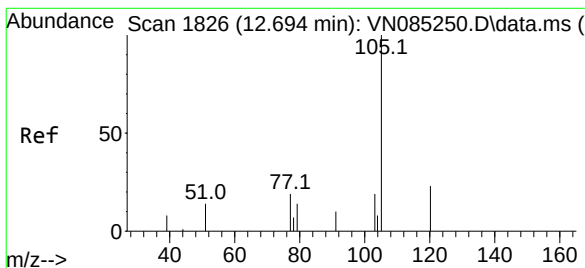
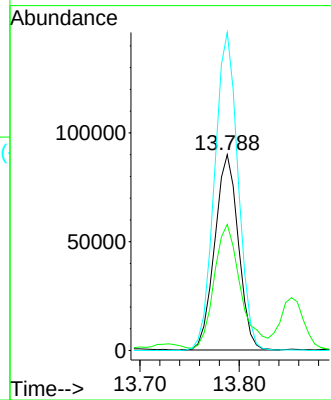
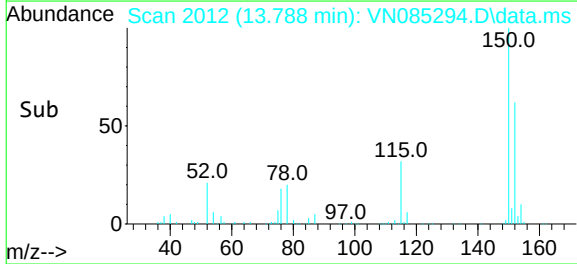
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion:152 Resp: 148469
Ion Ratio Lower Upper
152 100
115 70.7 32.1 96.3
150 162.3 0.0 354.6

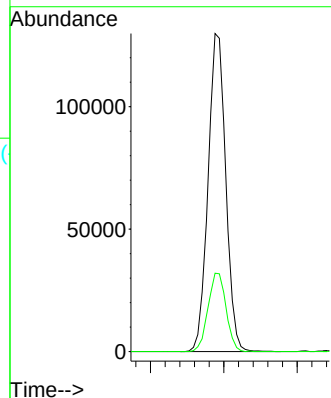
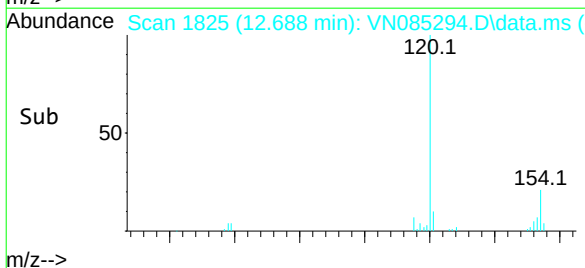
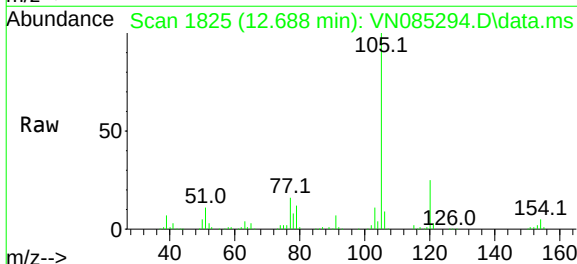
Manual Integrations
APPROVED

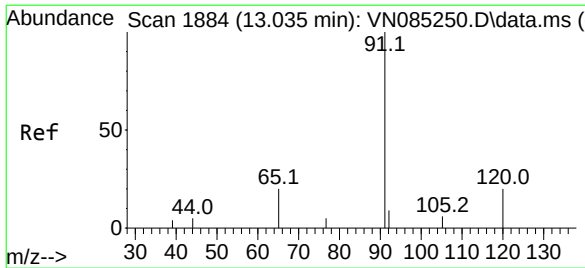
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#73
Isopropylbenzene
Concen: 20.333 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion:105 Resp: 217767
Ion Ratio Lower Upper
105 100
120 25.1 13.0 38.9





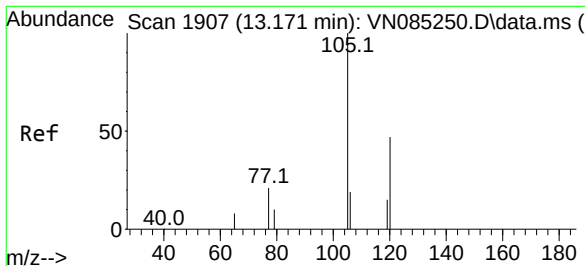
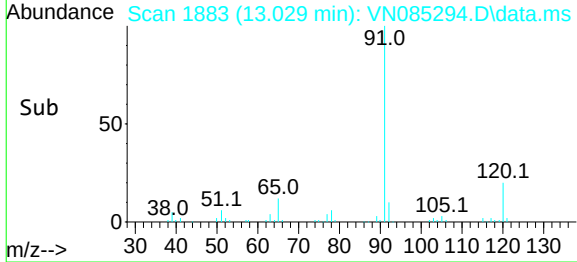
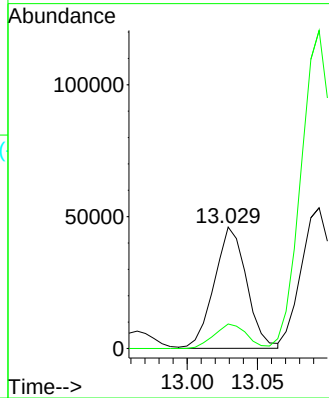
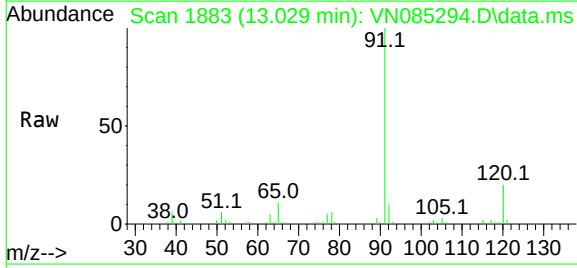
#78
n-propylbenzene
Concen: 5.605 ug/l
RT: 13.029 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Instrument : MSVOA_N
ClientSampleId : SPLP-C10-2-M

Tgt Ion: 91 Resp: 73620
Ion Ratio Lower Upper
91 100
120 20.5 10.8 32.3

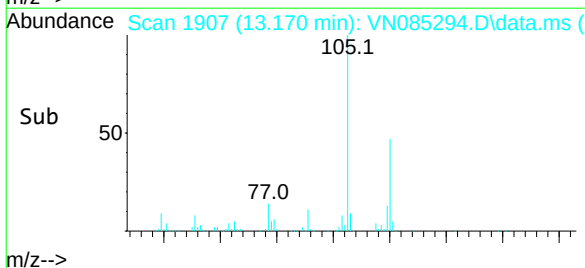
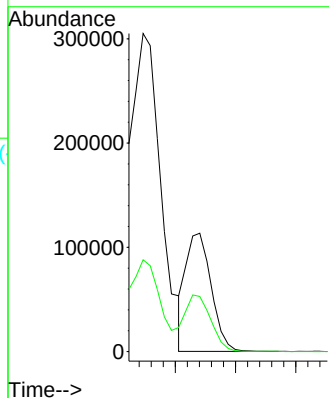
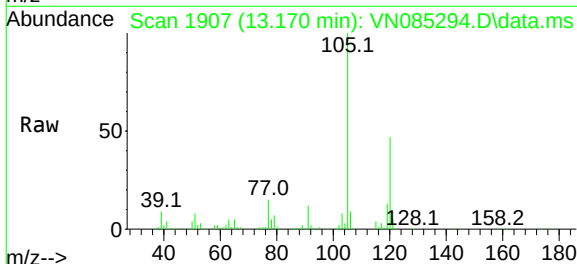
Manual Integrations
APPROVED

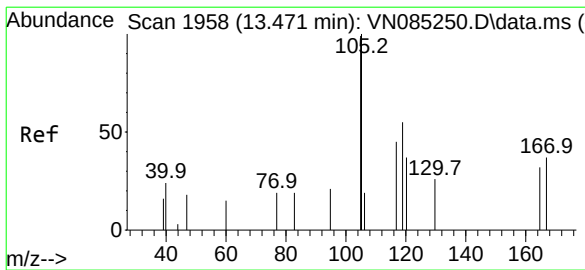
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#80
1,3,5-Trimethylbenzene
Concen: 18.536 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Tgt Ion:105 Resp: 165585
Ion Ratio Lower Upper
105 100
120 52.0 23.4 70.2





#84
1,2,4-Trimethylbenzene
Concen: 72.894 ug/l
RT: 13.476 min Scan# 1958
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Instrument :

MSVOA_N

ClientSampleId :

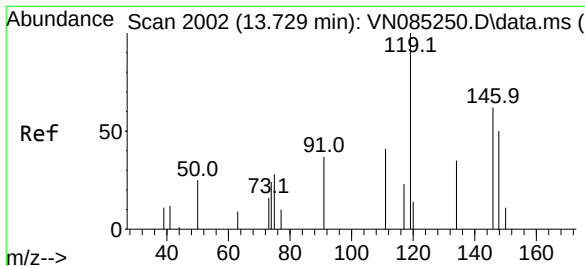
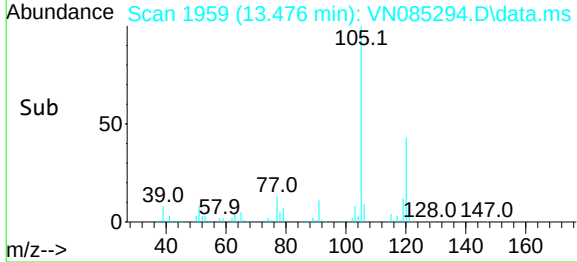
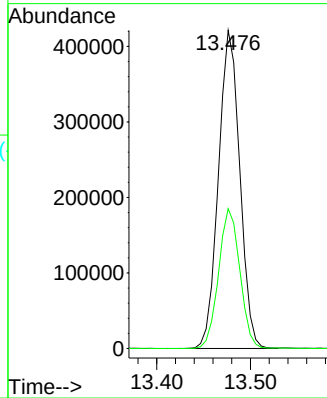
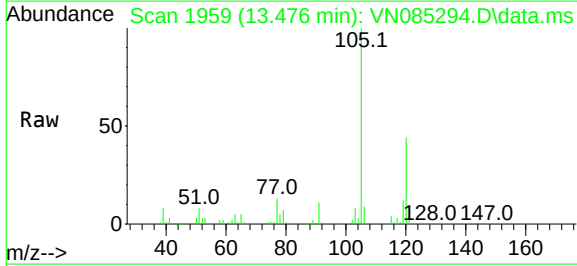
SPLP-C10-2-M

Tgt Ion:105 Resp: 665630
Ion Ratio Lower Upper
105 100
120 43.8 21.8 65.3

Manual Integrations

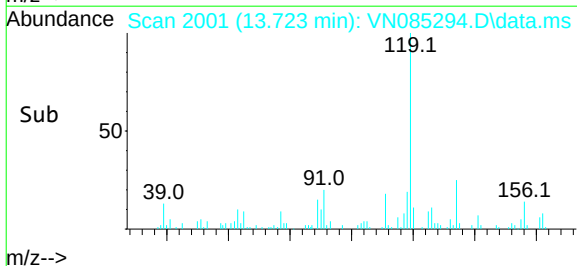
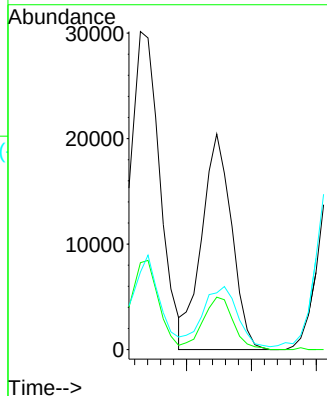
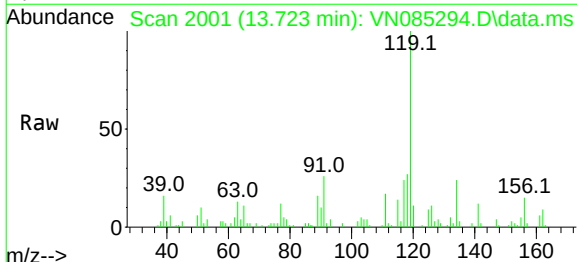
APPROVED

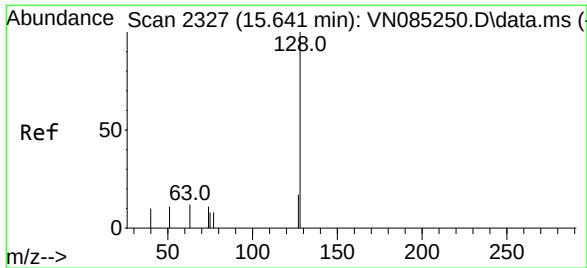
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024



#86
p-Isopropyltoluene
Concen: 5.031 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

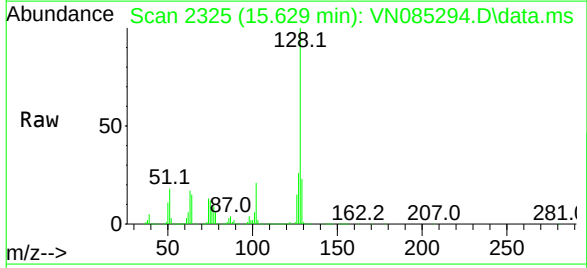
Tgt Ion:119 Resp: 32803
Ion Ratio Lower Upper
119 100
134 24.7 12.5 37.5
91 0.0 13.0 38.9#





#95
Naphthalene
Concen: 3042.669 ug/l m
RT: 15.629 min Scan# 23
Delta R.T. -0.012 min
Lab File: VN085294.D
Acq: 23 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C10-2-M



Tgt Ion:128 Resp:24843357

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

