

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085146.D
 Acq On : 09 Dec 2024 12:33
 Operator : JC\MD
 Sample : P5133-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-24-00374

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 06:04:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	152819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106396	48.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.760%		
35) Dibromofluoromethane	8.165	113	88354	49.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.980%		
50) Toluene-d8	10.565	98	321039	50.688	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.380%		
62) 4-Bromofluorobenzene	12.847	95	113743	48.022	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	5390	18.529	ug/l #	84
13) Acrolein	4.183	56	4578	23.586	ug/l	97
16) Acetone	4.424	43	23347174	36827.108	ug/l	98
20) Methylene Chloride	5.289	84	2390m	1.235	ug/l	
25) 2-Butanone	7.488	43	15005	14.477	ug/l	97
37) Ethyl Acetate	7.553	43	4500	2.068	ug/l #	80
43) Isopropyl Acetate	8.688	43	104408	23.097	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	27988	13.555	ug/l	89
52) Toluene	10.629	92	2067953	461.376	ug/l	100
68) m/p-Xylenes	12.065	106	8197	2.500	ug/l	97
69) o-Xylene	12.394	106	7416	2.378	ug/l	97
78) n-propylbenzene	13.035	91	13879	1.648	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	29862	4.873	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	152954	24.250	ug/l	98
85) sec-Butylbenzene	13.612	105	7996	1.123	ug/l	92
86) p-Isopropyltoluene	13.729	119	5964	1.014	ug/l	94
89) n-Butylbenzene	14.053	91	10027	1.834	ug/l #	79
95) Naphthalene	15.635	128	81372	14.159	ug/l	99

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

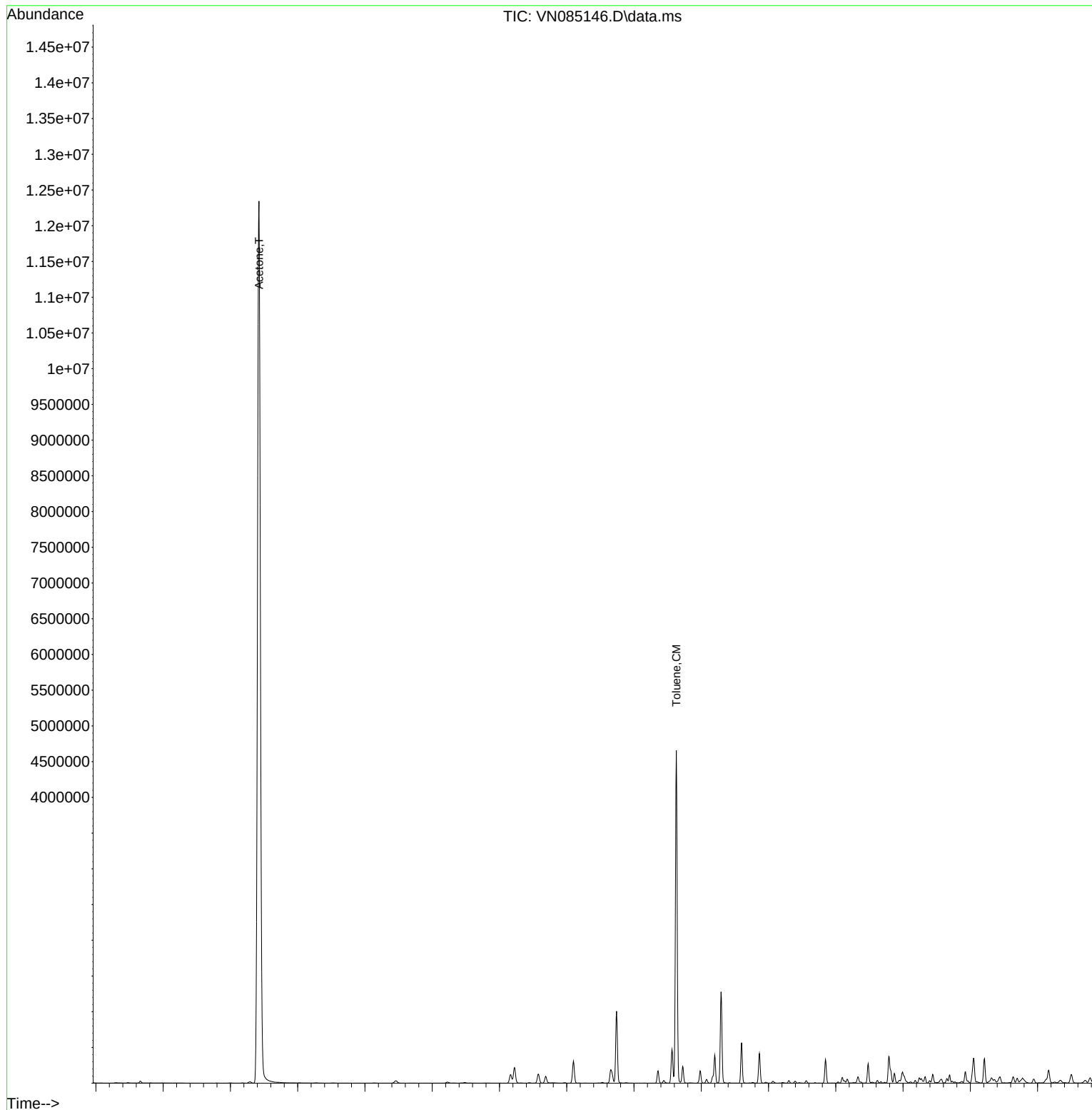
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085146.D
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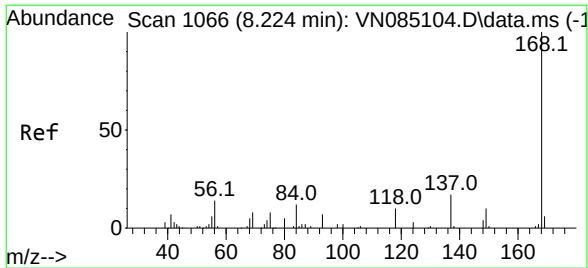
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374

Quant Time: Dec 10 06:04:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

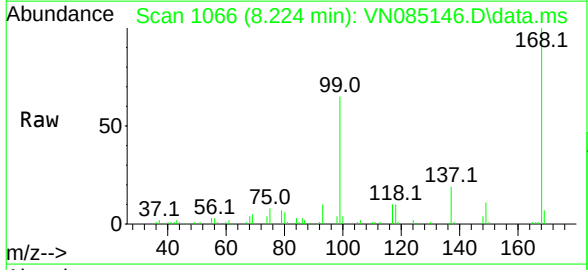
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

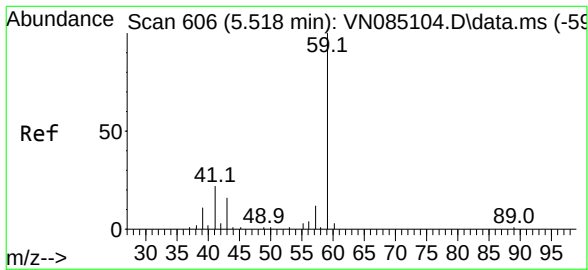
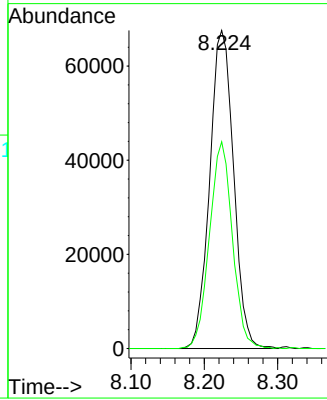
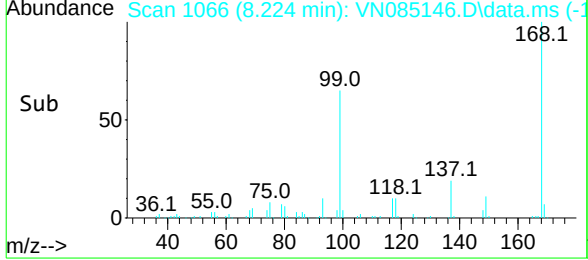
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion:168 Resp: 152819
Ion Ratio Lower Upper
168 100
99 65.0 51.2 76.8

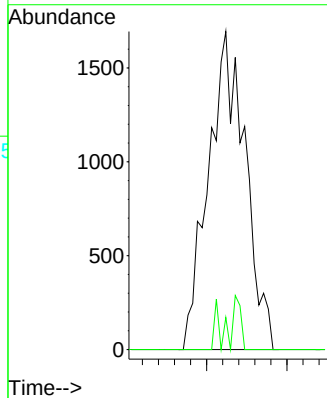
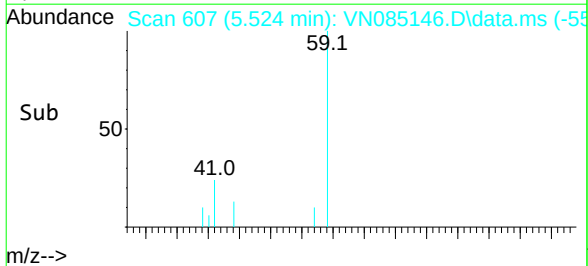
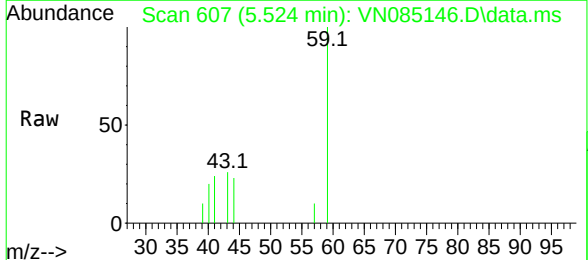
Manual Integrations
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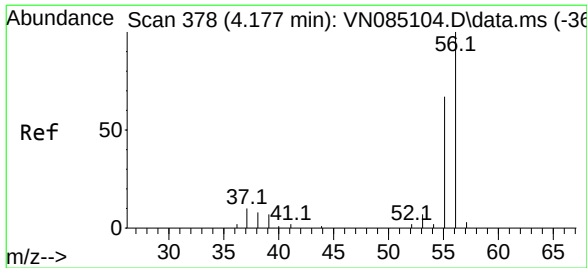
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#11
Tert butyl alcohol
Concen: 18.529 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Tgt Ion: 59 Resp: 5390
Ion Ratio Lower Upper
59 100
57 3.4 7.4 11.0#





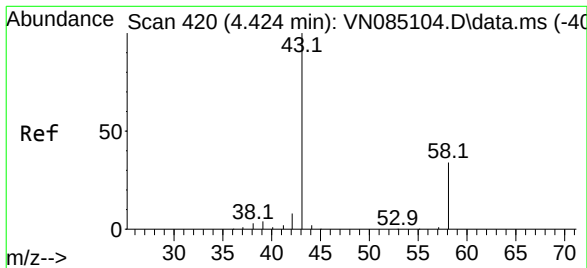
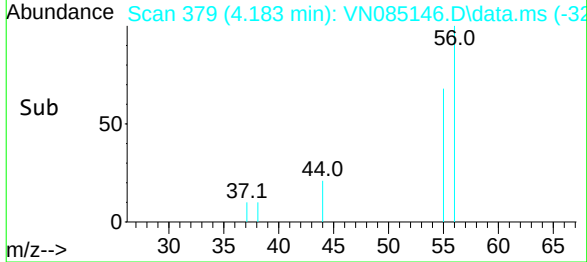
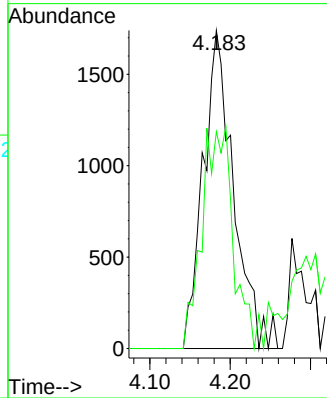
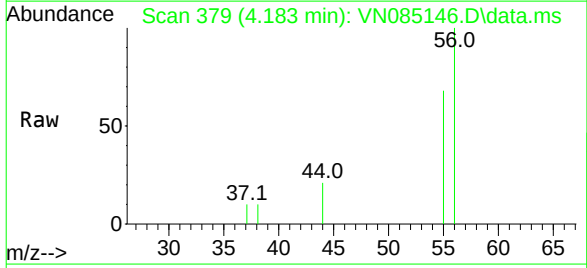
#13
Acrolein
Concen: 23.586 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.018 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374

Tgt Ion: 56 Resp: 4578
Ion Ratio Lower Upper
56 100
55 70.4 54.5 81.7

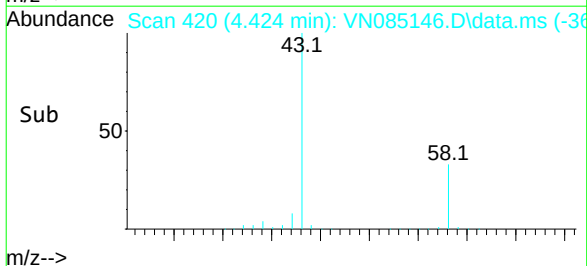
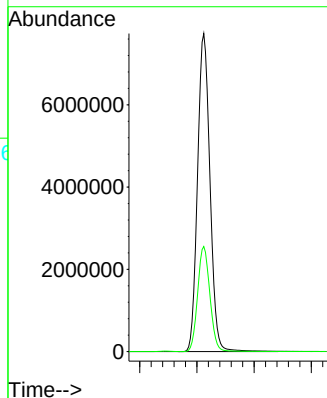
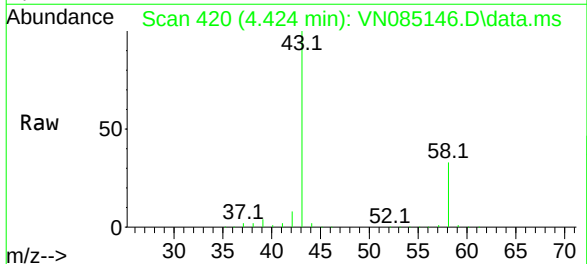
Manual Integrations
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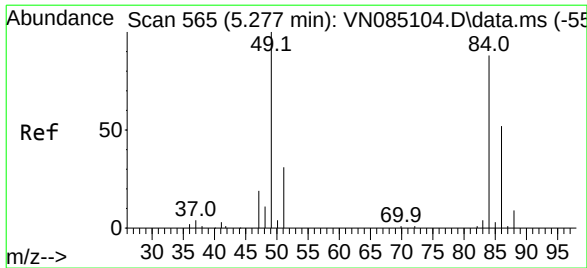
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#16
Acetone
Concen: 36827.108 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

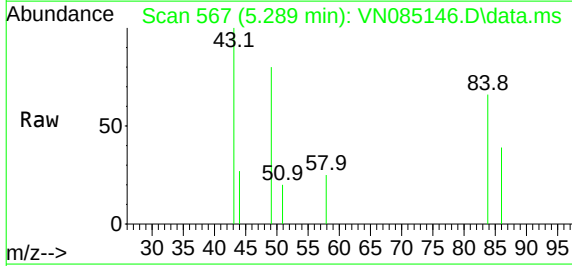
Tgt Ion: 43 Resp:23347174
Ion Ratio Lower Upper
43 100
58 33.0 25.4 38.2





#20
Methylene Chloride
Concen: 1.235 ug/l m
RT: 5.289 min Scan# 56
Delta R.T. 0.023 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

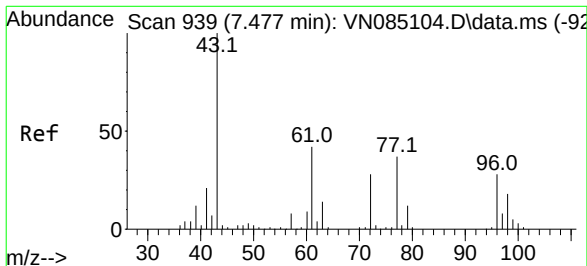
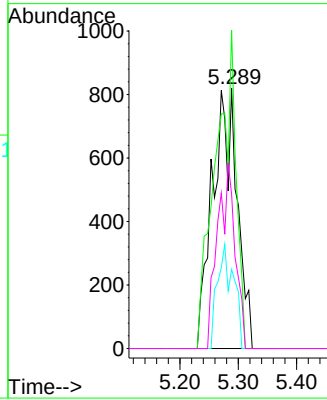
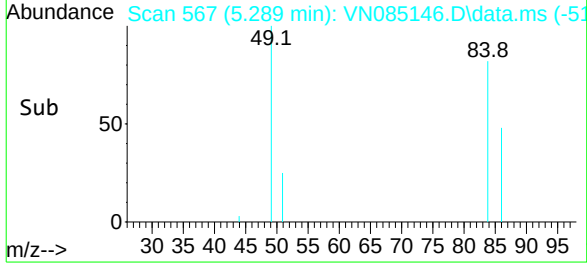
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion:	84	Resp:	2390
Ion	Ratio	Lower	Upper
84	100		
49	122.2	92.7	139.1
51	30.4	29.4	44.2
86	59.1	51.9	77.9

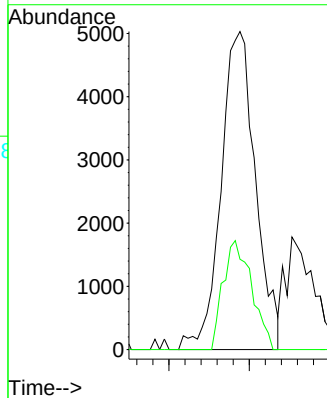
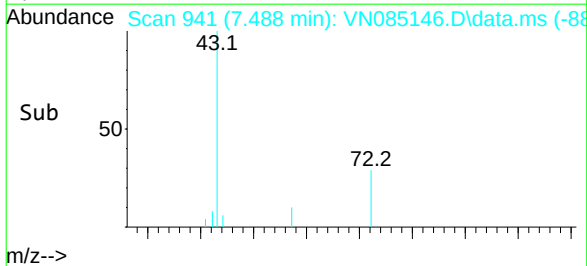
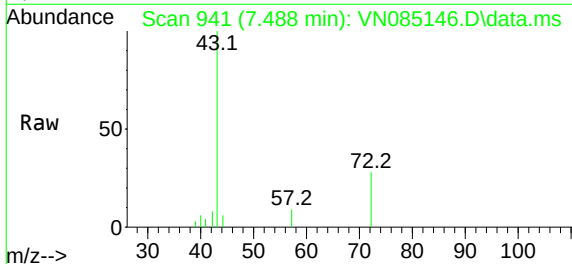
Manual Integrations
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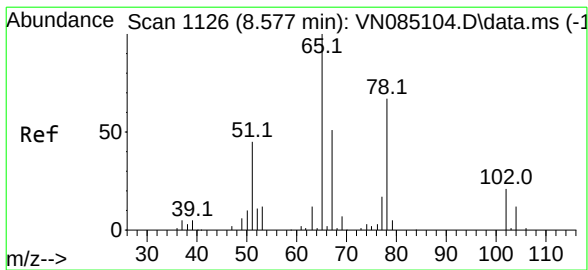
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#25
2-Butanone
Concen: 14.477 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

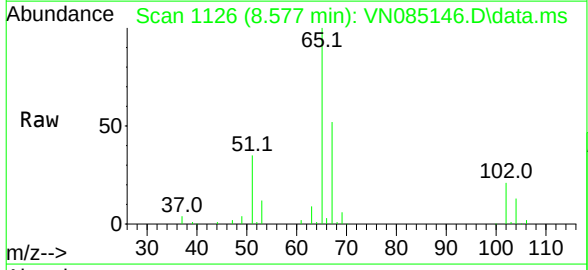
Tgt Ion:	43	Resp:	15005
Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.4	32.0





#33
 1,2-Dichloroethane-d4
 Concen: 48.877 ug/l
 RT: 8.577 min Scan# 1116
 Delta R.T. 0.006 min
 Lab File: VN085146.D
 Acq: 09 Dec 2024 12:33

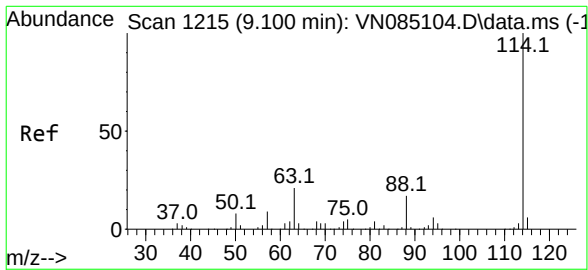
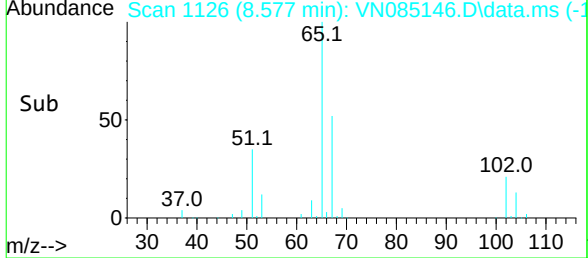
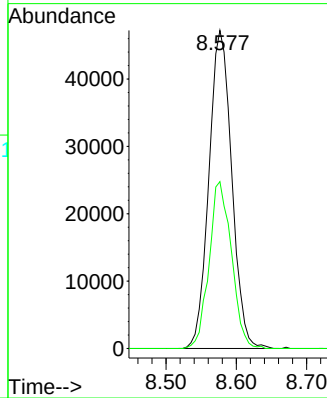
Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-24-00374



Tgt Ion: 65 Resp: 106396
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.0

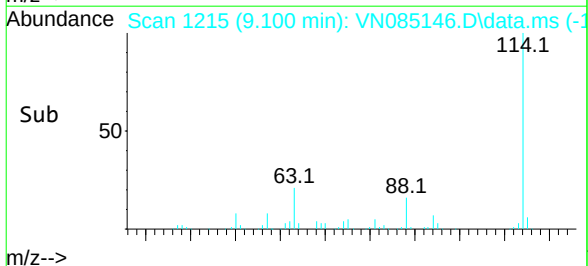
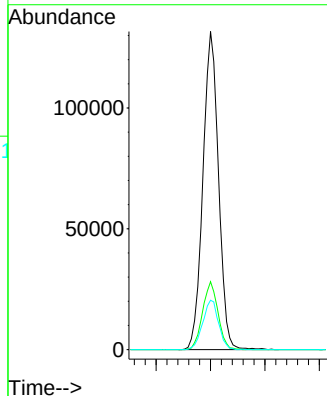
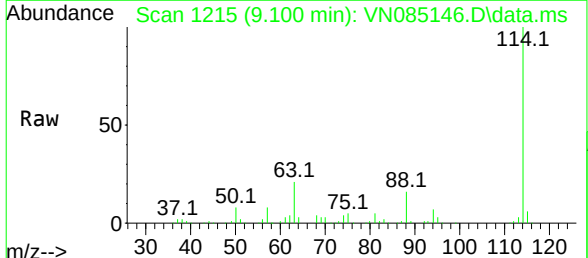
Manual Integrations
APPROVED

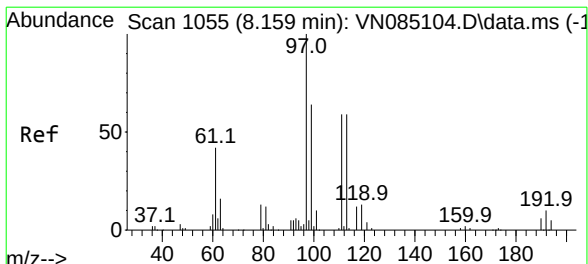
Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085146.D
 Acq: 09 Dec 2024 12:33

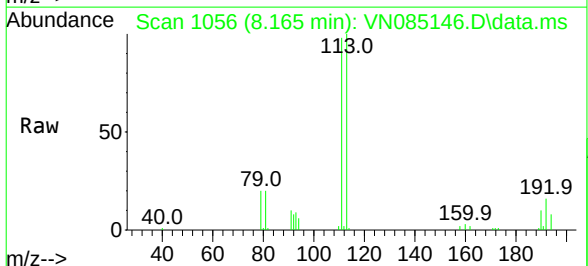
Tgt Ion:114 Resp: 262071
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.0
 88 15.5 0.0 34.8





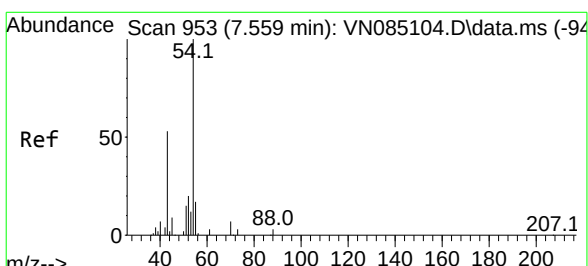
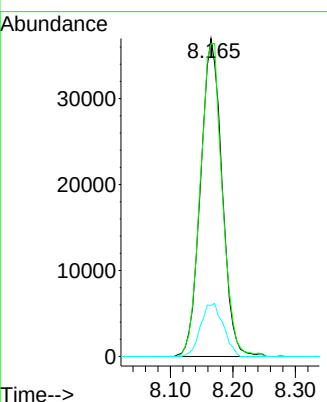
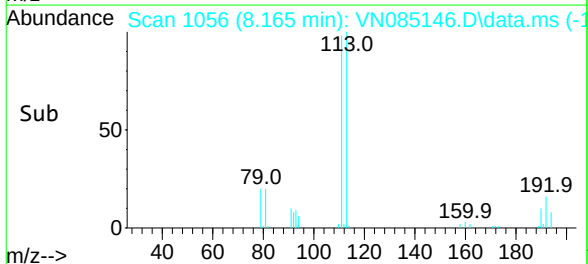
#35
 Dibromofluoromethane
 Concen: 49.993 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN085146.D
 Acq: 09 Dec 2024 12:33

Instrument : MSVOA_N
 ClientSampleId : MOO-24-00374



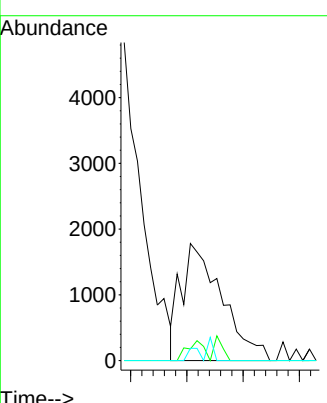
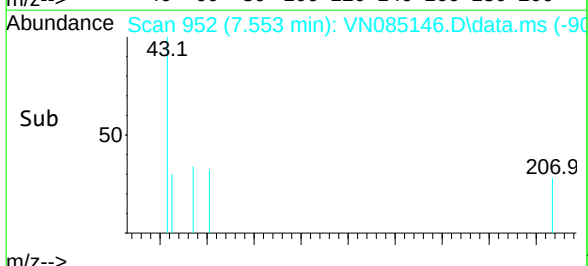
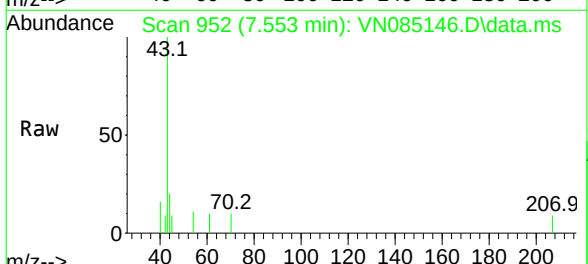
Tgt Ion:	113	Resp:	88354
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.0	123.0
192	17.6	14.8	22.2

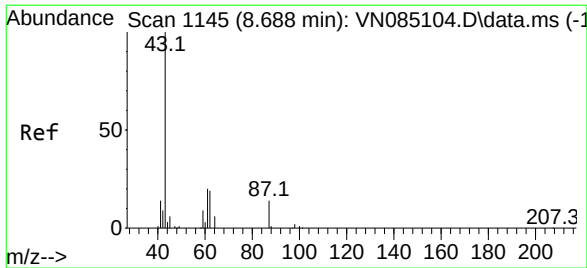
Manual Integrations
APPROVED
 Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024



#37
 Ethyl Acetate
 Concen: 2.068 ug/l
 RT: 7.553 min Scan# 952
 Delta R.T. -0.000 min
 Lab File: VN085146.D
 Acq: 09 Dec 2024 12:33

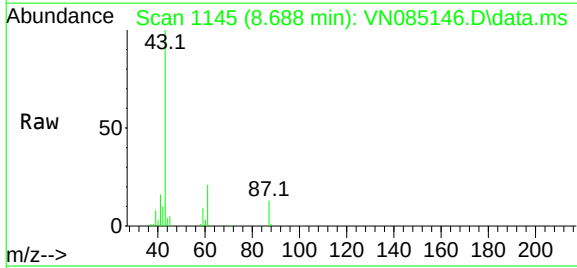
Tgt Ion:	43	Resp:	4500
Ion	Ratio	Lower	Upper
43	100		
61	7.0	11.7	17.5#
70	2.9	9.3	13.9#





#43
Isopropyl Acetate
Concen: 23.097 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

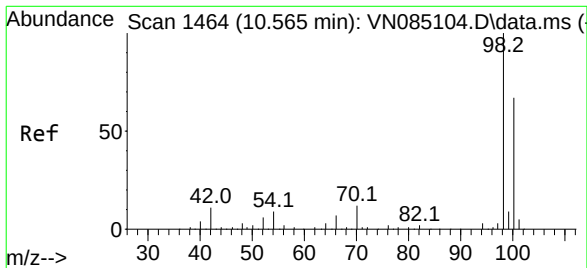
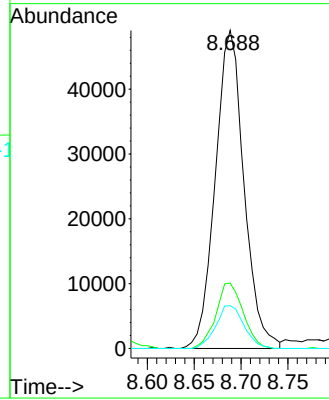
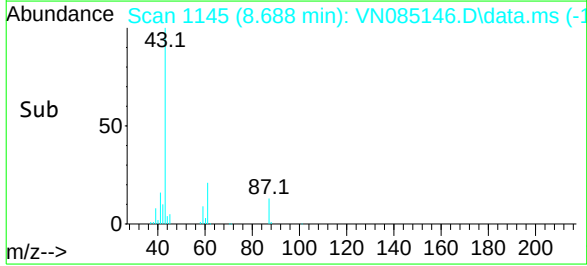
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion: 43 Resp: 104408
Ion Ratio Lower Upper
43 100
61 19.6 20.6 30.8#
87 13.3 11.0 16.4

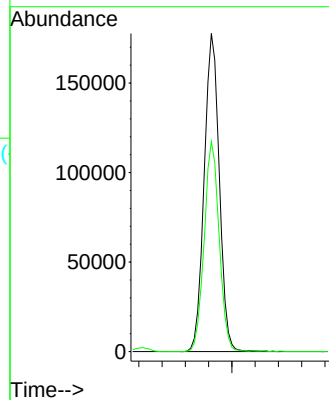
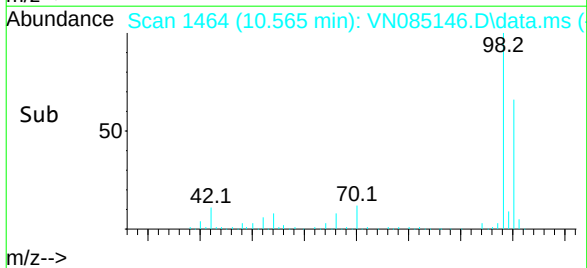
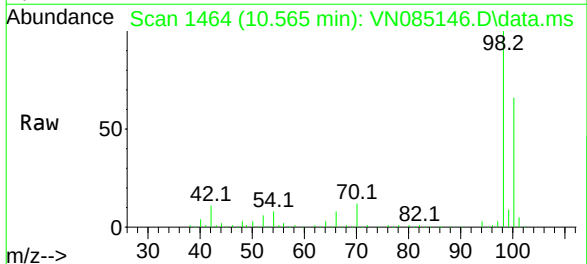
Manual Integrations
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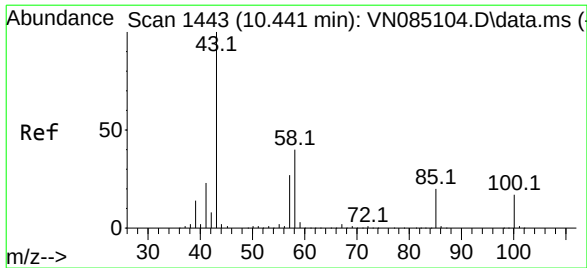
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#50
Toluene-d8
Concen: 50.688 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Tgt Ion: 98 Resp: 321039
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7





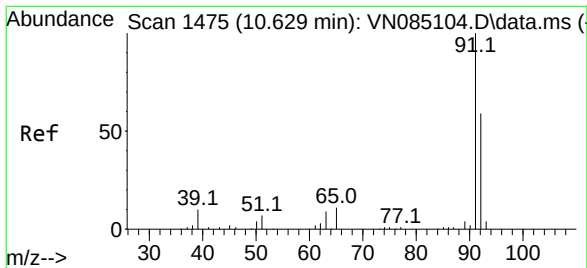
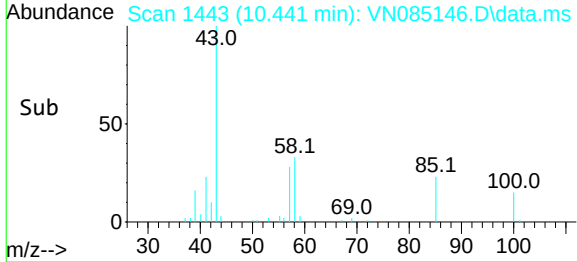
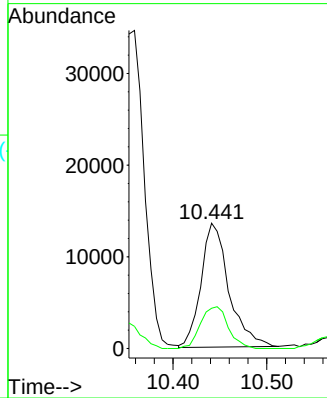
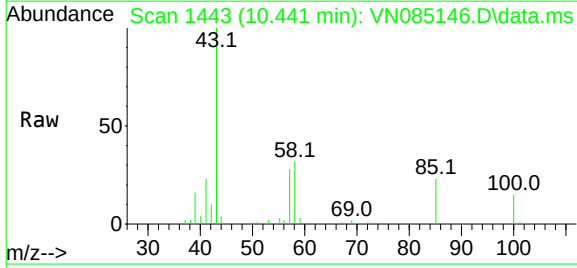
#51
4-Methyl-2-Pentanone
Concen: 13.555 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Instrument : MSVOA_N
ClientSampleId : MOO-24-00374

Tgt Ion: 43 Resp: 27988
Ion Ratio Lower Upper
43 100
58 33.4 32.1 48.1

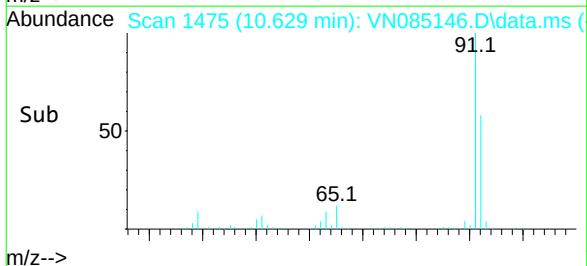
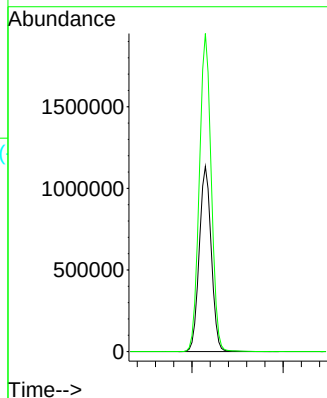
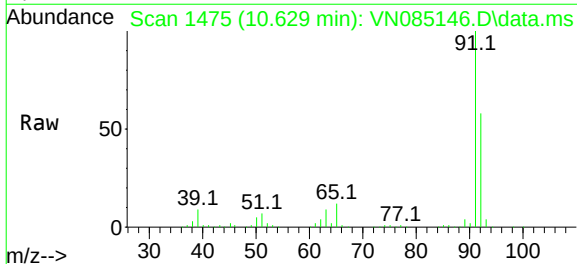
Manual Integrations
APPROVED

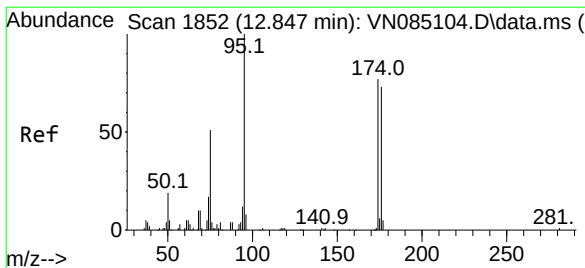
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 461.376 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

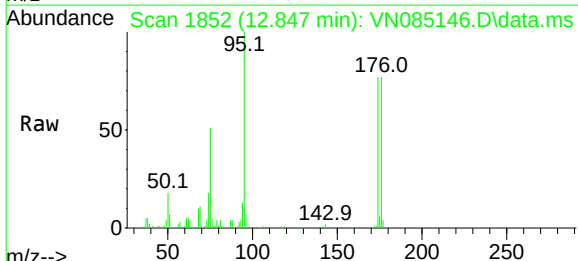
Tgt Ion: 92 Resp: 2067953
Ion Ratio Lower Upper
92 100
91 170.9 136.7 205.1





#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

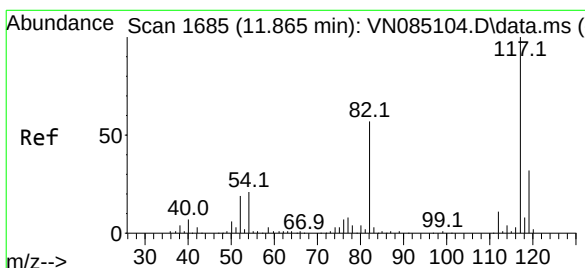
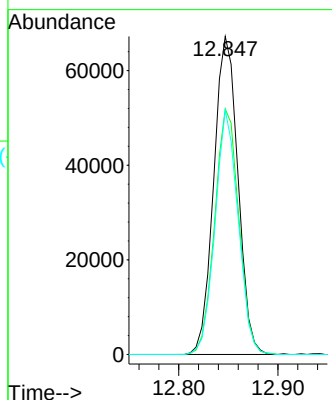
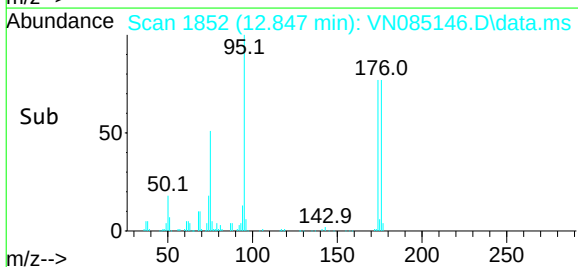
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion: 95 Resp: 113743
Ion Ratio Lower Upper
95 100
174 77.2 0.0 146.6
176 73.5 0.0 141.8

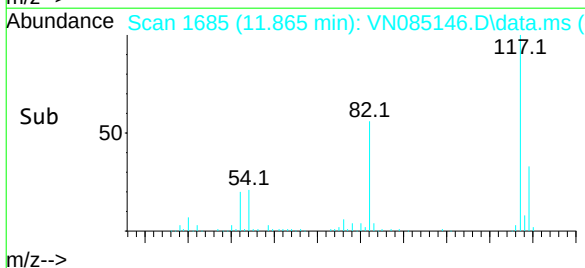
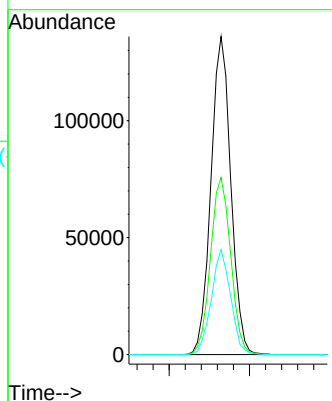
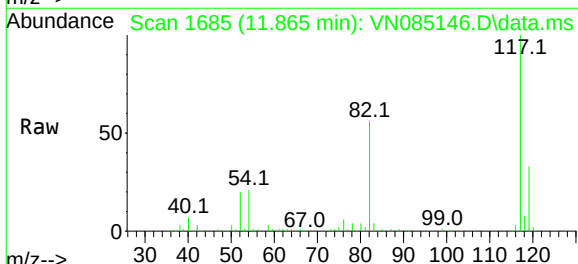
Manual Integrations
APPROVED

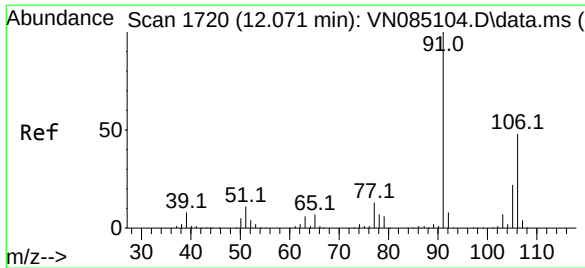
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Tgt Ion:117 Resp: 234038
Ion Ratio Lower Upper
117 100
82 55.7 46.0 69.0
119 33.0 25.6 38.4





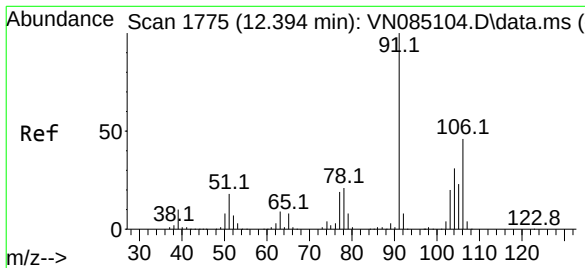
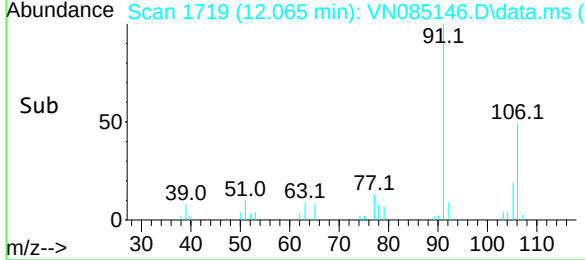
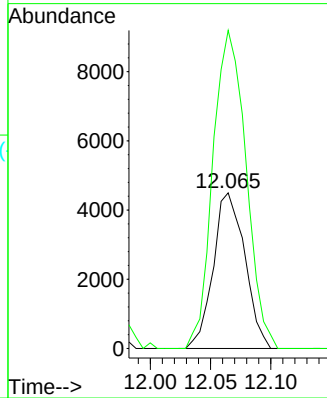
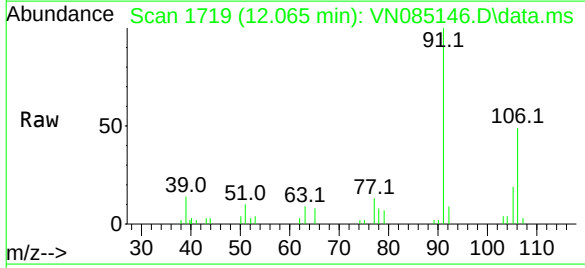
#68
m/p-Xylenes
Concen: 2.500 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374

Tgt Ion:106 Resp: 8197
Ion Ratio Lower Upper
106 100
91 214.4 168.0 252.0

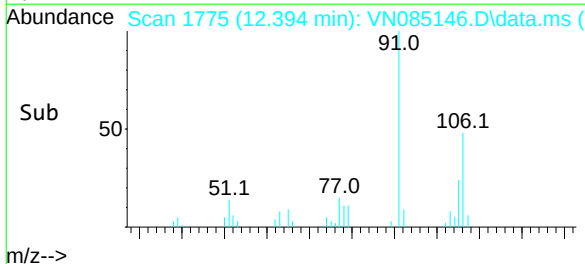
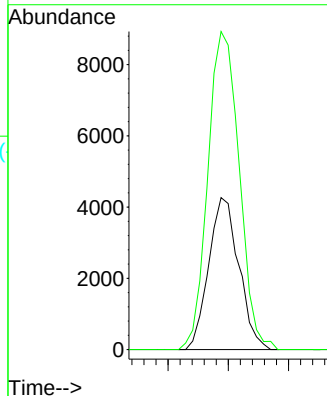
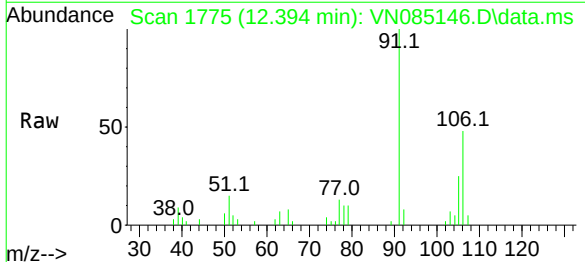
Manual Integrations
APPROVED

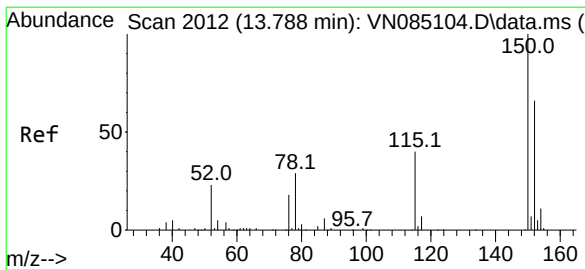
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#69
o-Xylene
Concen: 2.378 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

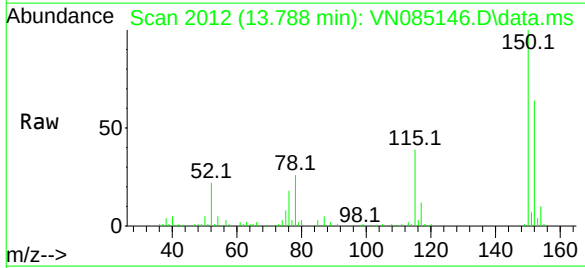
Tgt Ion:106 Resp: 7416
Ion Ratio Lower Upper
106 100
91 217.3 110.7 331.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

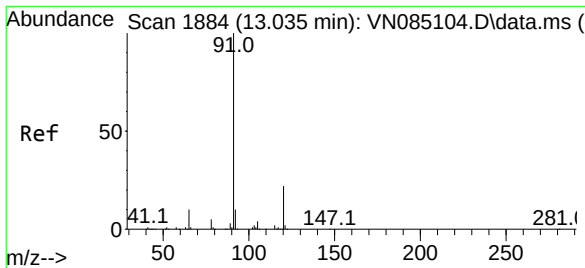
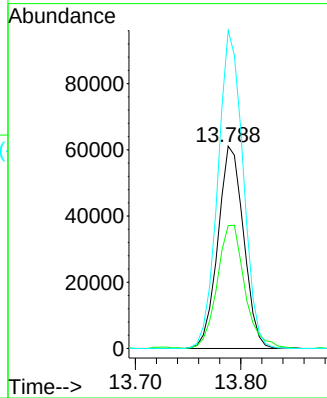
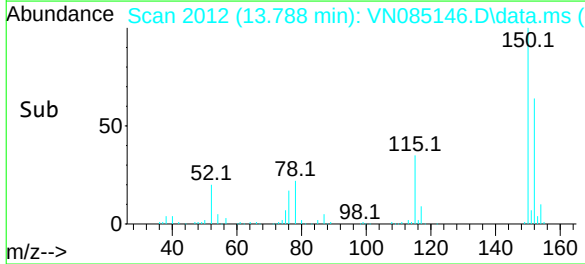
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion:152 Resp: 103511
Ion Ratio Lower Upper
152 100
115 65.6 31.7 95.1
150 154.5 0.0 351.4

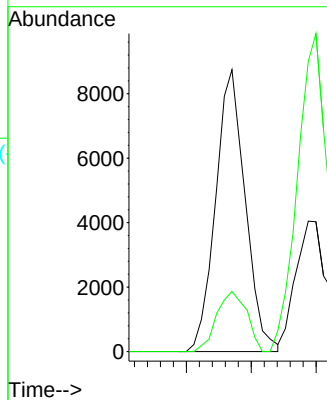
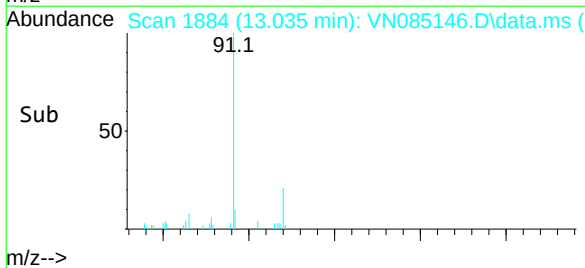
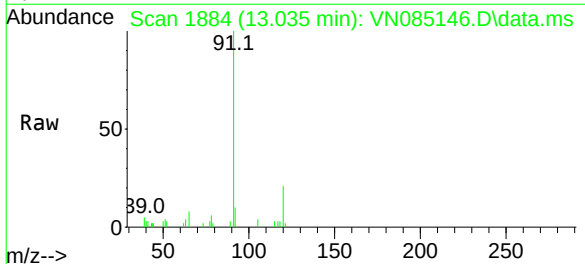
Manual Integrations
APPROVED

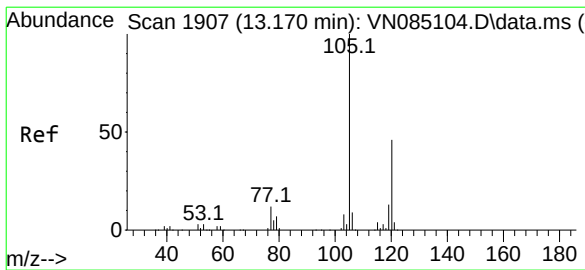
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#78
n-propylbenzene
Concen: 1.648 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

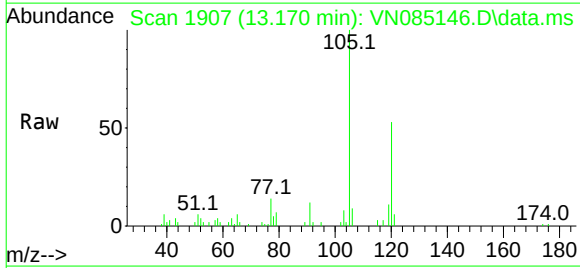
Tgt Ion: 91 Resp: 13879
Ion Ratio Lower Upper
91 100
120 21.7 11.3 33.9





#80
1,3,5-Trimethylbenzene
Concen: 4.873 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

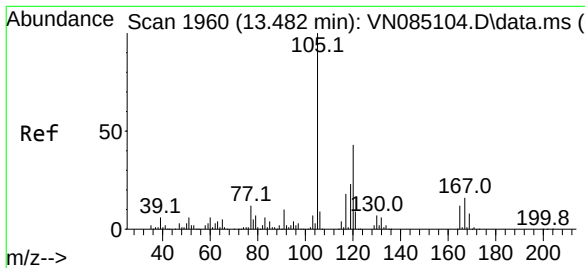
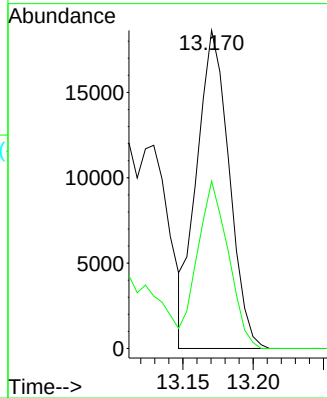
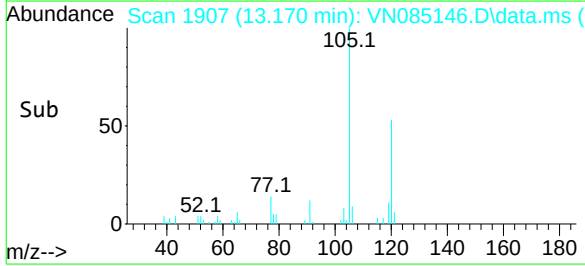
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion:105 Resp: 29862
Ion Ratio Lower Upper
105 100
120 50.4 23.6 71.0

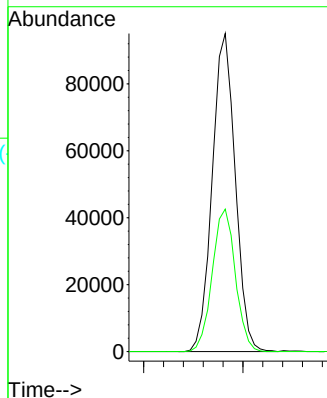
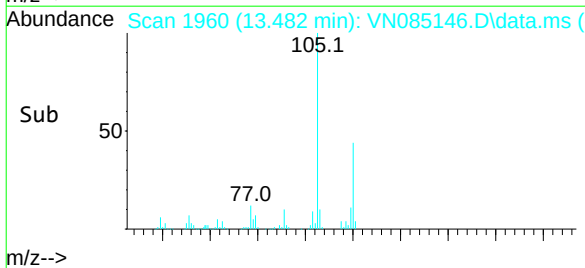
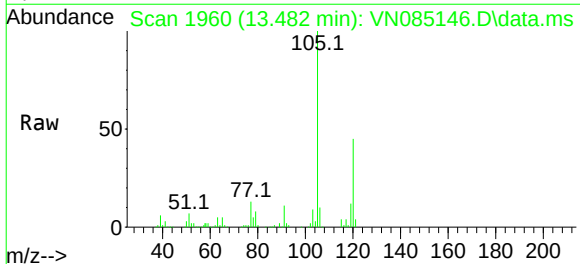
Manual Integrations
APPROVED

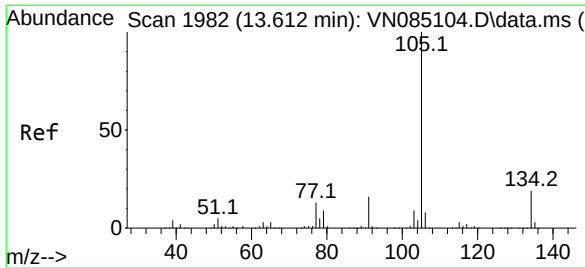
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#84
1,2,4-Trimethylbenzene
Concen: 24.250 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

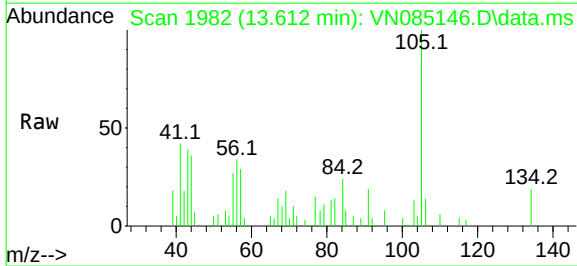
Tgt Ion:105 Resp: 152954
Ion Ratio Lower Upper
105 100
120 45.0 21.8 65.4





#85
sec-Butylbenzene
Concen: 1.123 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

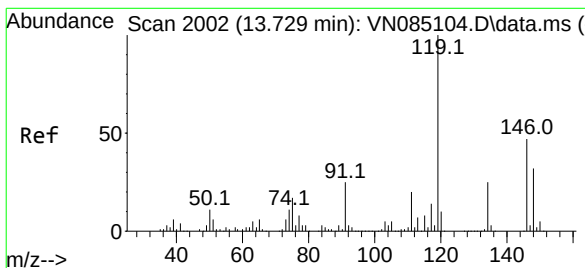
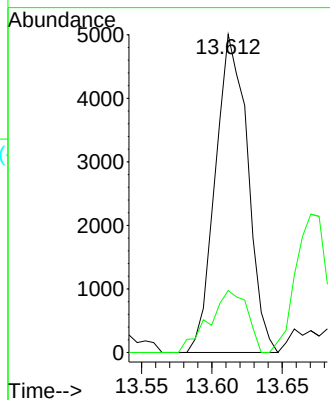
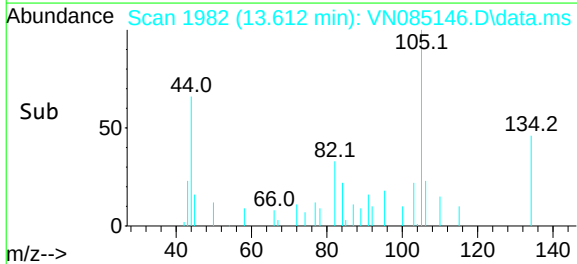
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374



Tgt Ion:105 Resp: 7996
Ion Ratio Lower Upper
105 100
134 22.9 9.8 29.3

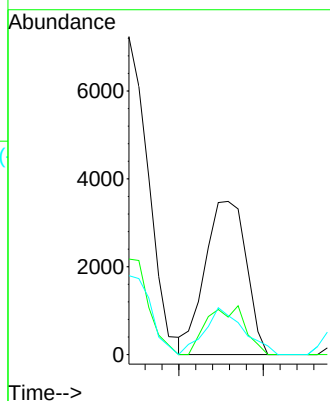
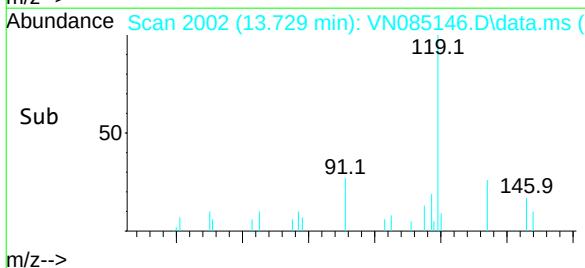
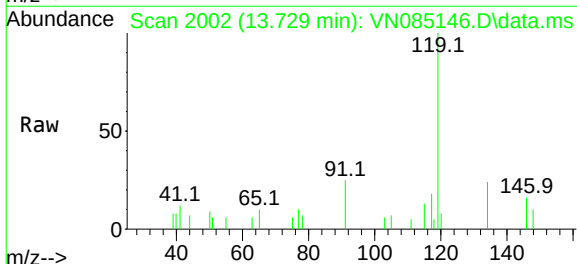
Manual Integrations
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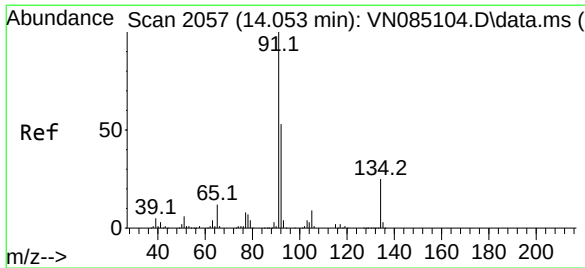
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#86
p-Isopropyltoluene
Concen: 1.014 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Tgt Ion:119 Resp: 5964
Ion Ratio Lower Upper
119 100
134 29.4 13.0 39.0
91 28.6 12.8 38.4





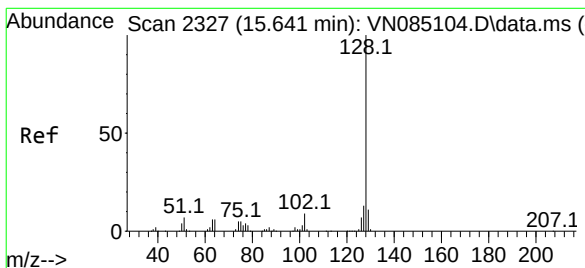
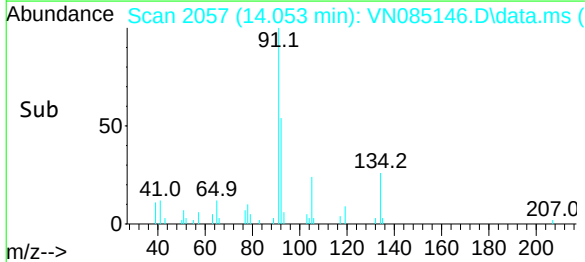
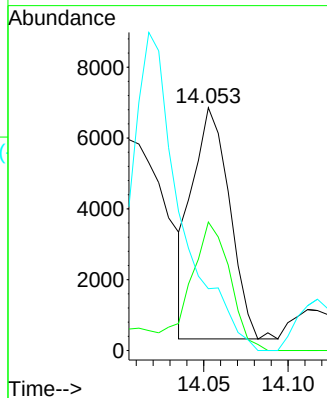
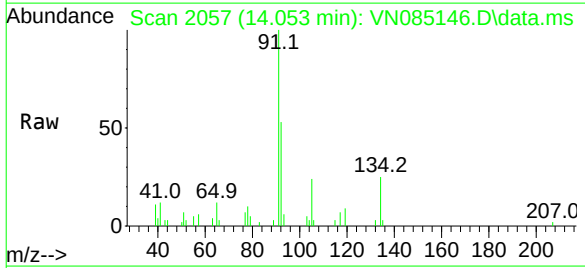
#89
n-Butylbenzene
Concen: 1.834 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00374

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	26.8	80.3
134	0.0	12.8	38.4

Manual Integrations
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Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#95
Naphthalene
Concen: 14.159 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085146.D
Acq: 09 Dec 2024 12:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.6	8.6	12.8

