

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085815.D
 Acq On : 21 Feb 2025 20:14
 Operator : JC\MD
 Sample : Q1393-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 22 02:41:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2025
 Supervised By : Mahesh Dadoda 02/24/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	235497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	466003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	432978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	183237	60.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.040%			
35) Dibromofluoromethane	8.165	113	157000	51.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	10.565	98	583754	52.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.847	95	166099	45.440	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.880%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.500	59	4587m	12.215	ug/l	
16) Acetone	4.418	43	87373	90.442	ug/l	98
18) Methyl Acetate	5.024	43	3346	1.007	ug/l #	65
20) Methylene Chloride	5.271	84	4108	1.322	ug/l #	73
37) Ethyl Acetate	7.553	43	4289	1.208	ug/l	96
43) Isopropyl Acetate	8.688	43	141257	22.362	ug/l #	85

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

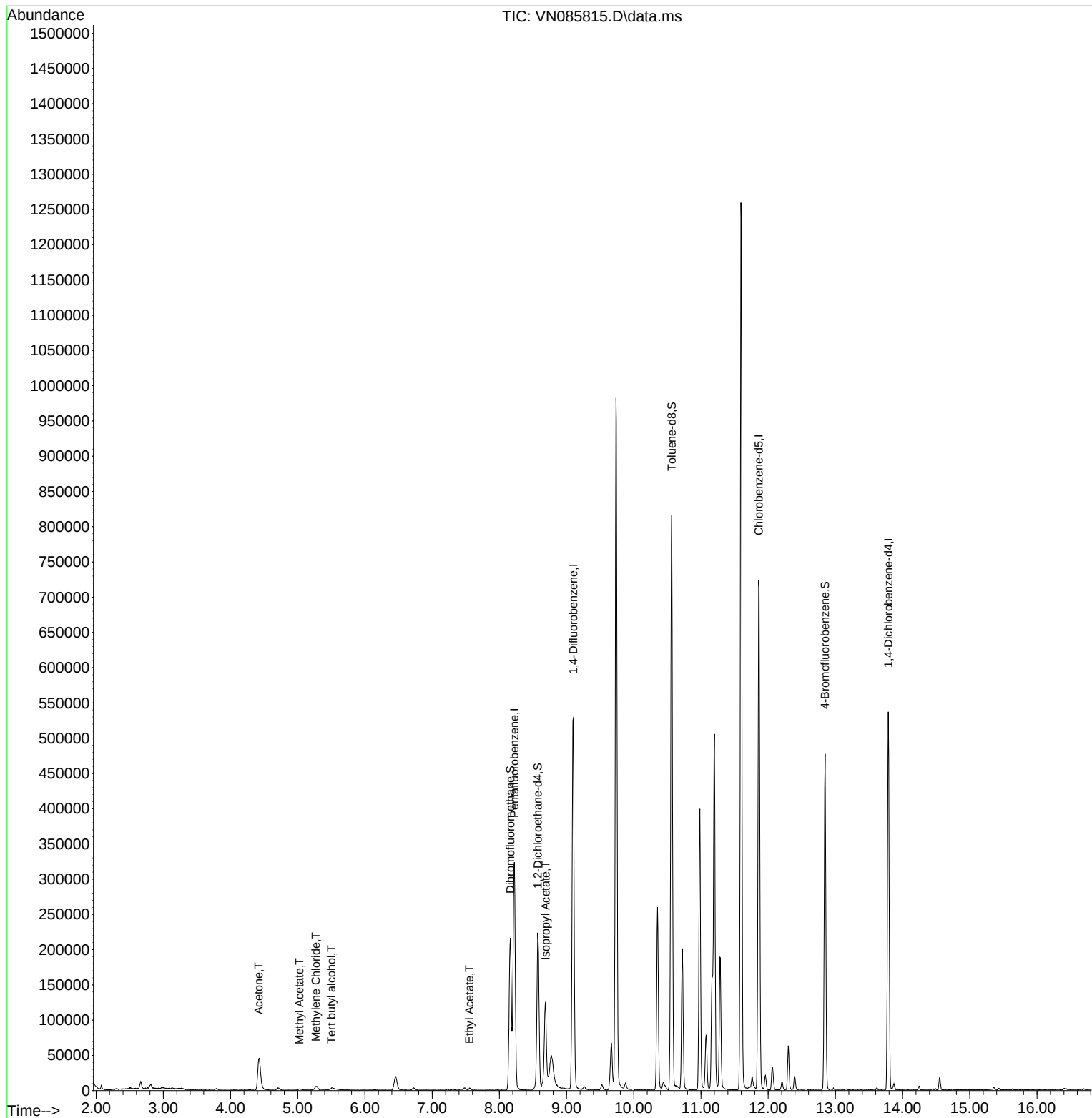
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
Data File : VN085815.D
Acq On : 21 Feb 2025 20:14
Operator : JC\MD
Sample : Q1393-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP

Quant Time: Feb 22 02:41:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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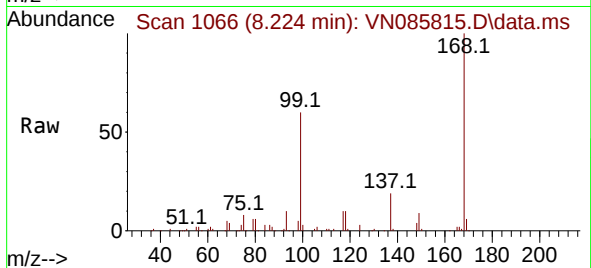
Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

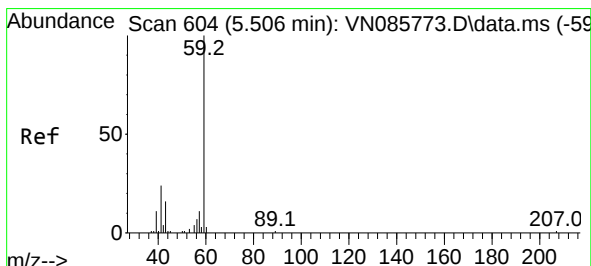
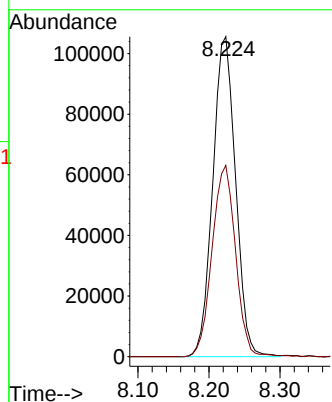
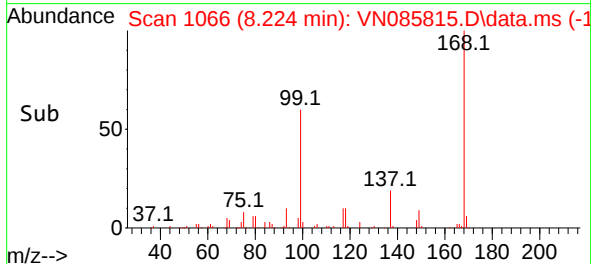
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP



Tgt Ion:168 Resp: 23549
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9

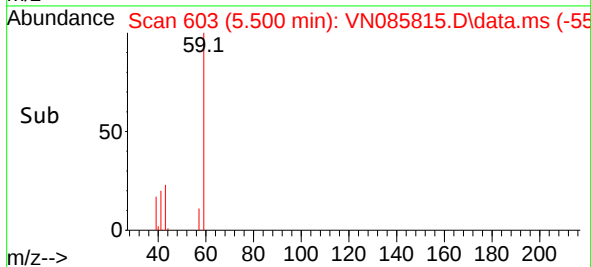
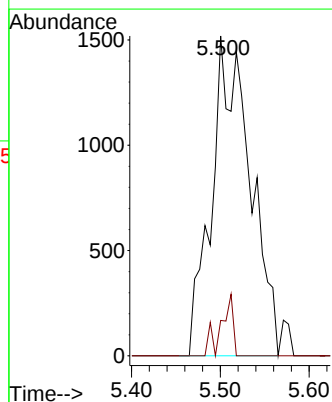
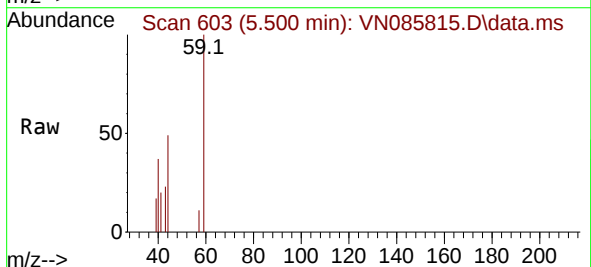
Manual Integrations
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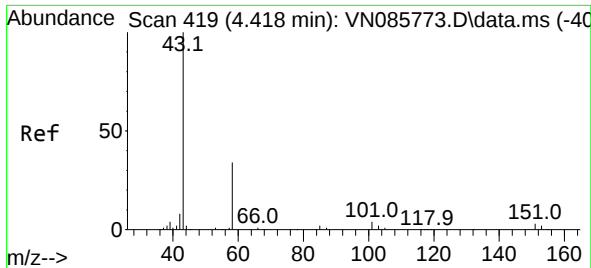
Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#11
Tert butyl alcohol
Concen: 12.215 ug/l m
RT: 5.500 min Scan# 603
Delta R.T. -0.006 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

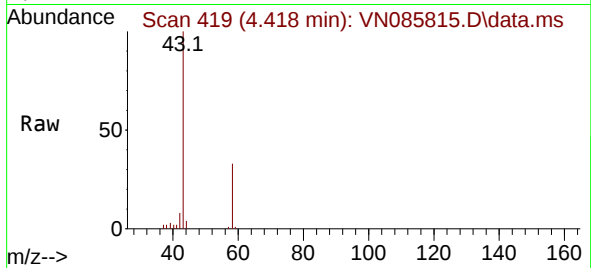
Tgt Ion: 59 Resp: 4587
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#





#16
Acetone
Concen: 90.442 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

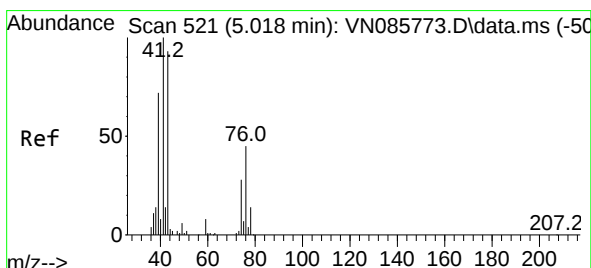
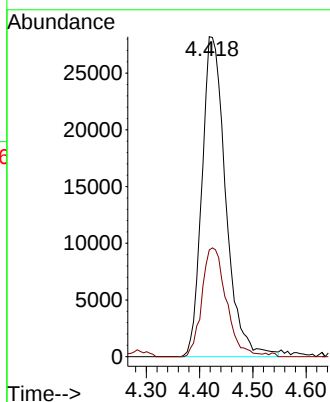
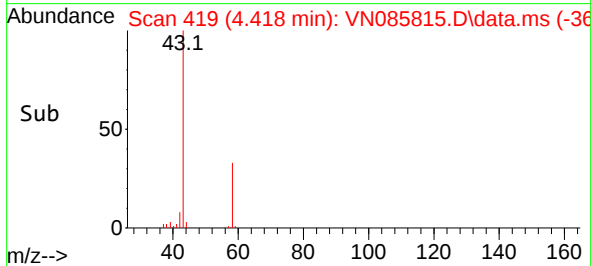
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP



Tgt Ion: 43 Resp: 8737
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3

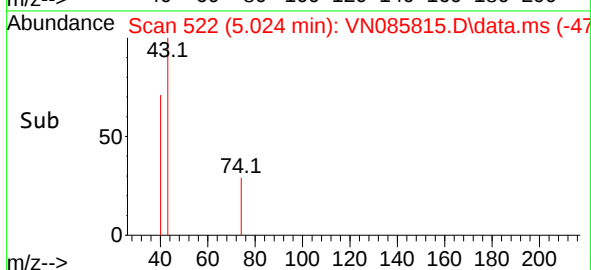
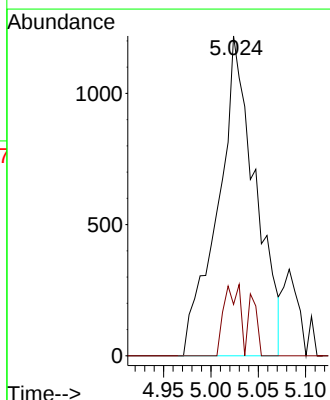
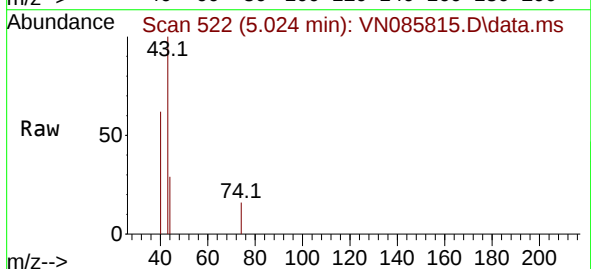
Manual Integrations
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Reviewed By :John Carlone 02/24/2025
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#18
Methyl Acetate
Concen: 1.007 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

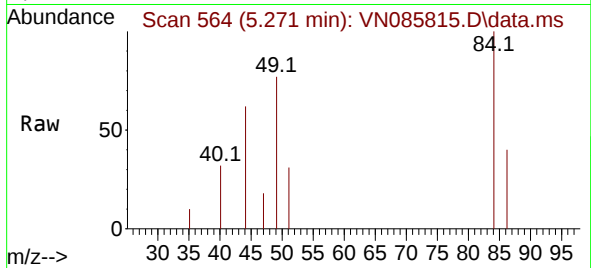
Tgt Ion: 43 Resp: 3346
Ion Ratio Lower Upper
43 100
74 9.5 22.2 33.4#





#20
Methylene Chloride
Concen: 1.322 ug/l
RT: 5.271 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

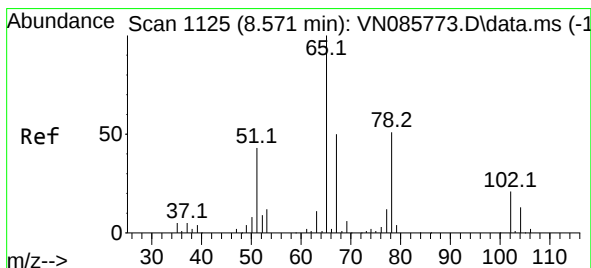
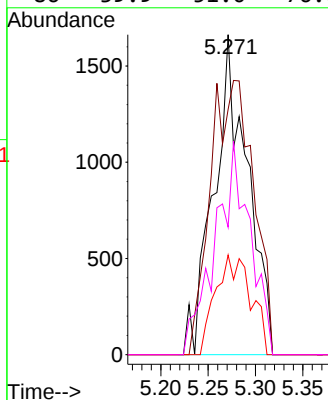
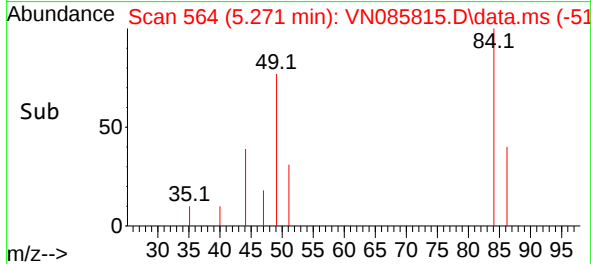
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP



Tgt Ion: 84 Resp: 4108
Ion Ratio Lower Upper
84 100
49 76.7 88.4 132.6
51 31.1 26.6 40.0
86 39.9 51.0 76.6#

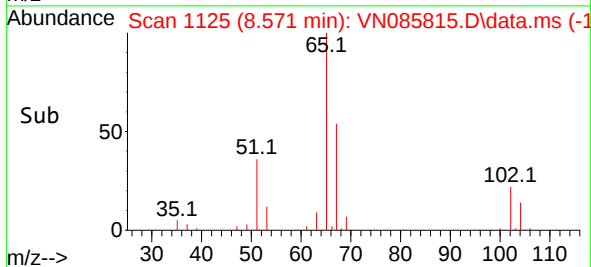
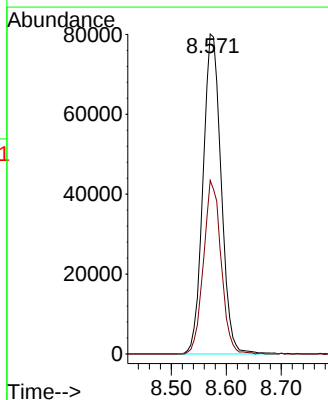
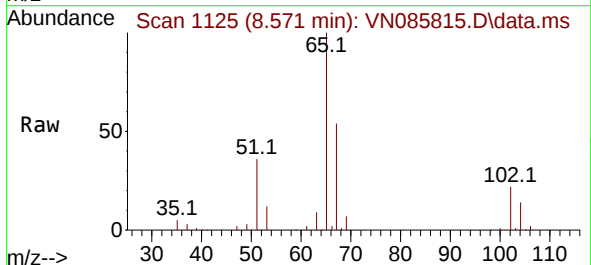
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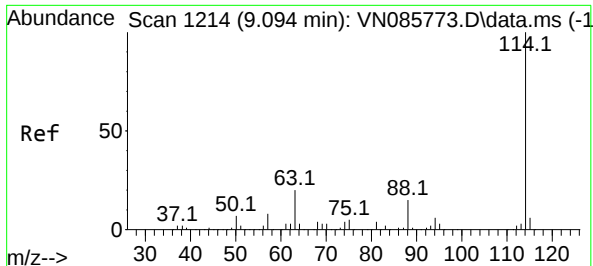
Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#33
1,2-Dichloroethane-d4
Concen: 60.016 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

Tgt Ion: 65 Resp: 183237
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085815.D

Acq: 21 Feb 2025 20:14

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMP

Tgt Ion:114 Resp: 466000

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

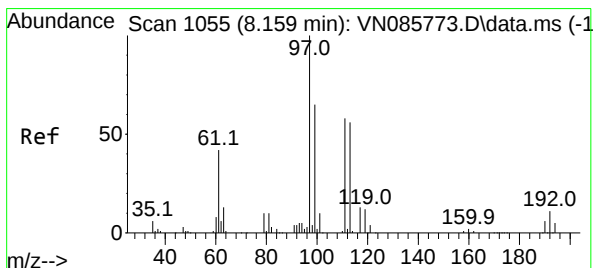
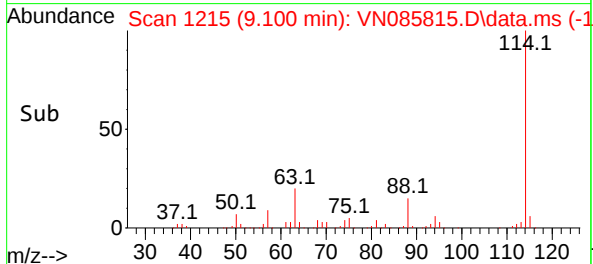
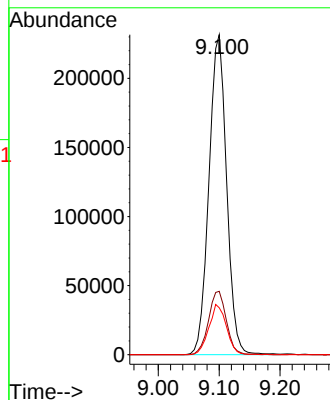
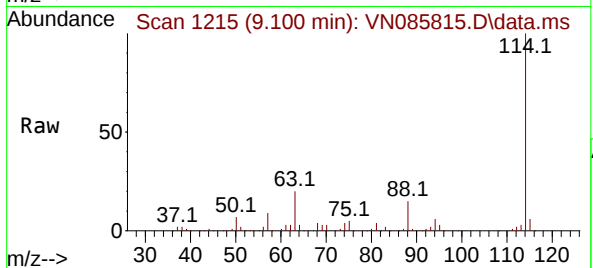
88 14.7 0.0 30.0

Manual Integrations

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#35

Dibromofluoromethane

Concen: 51.487 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085815.D

Acq: 21 Feb 2025 20:14

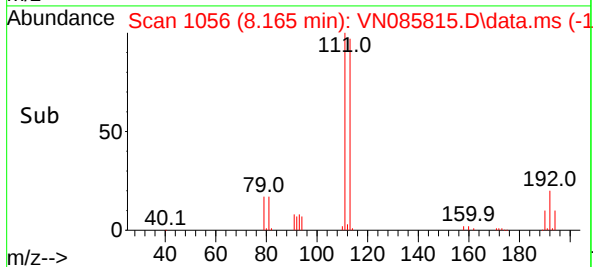
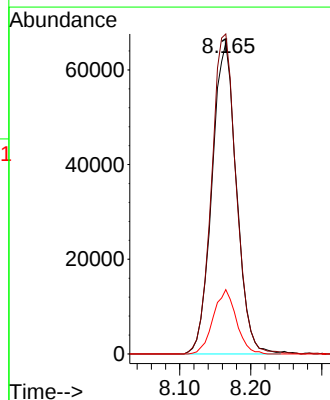
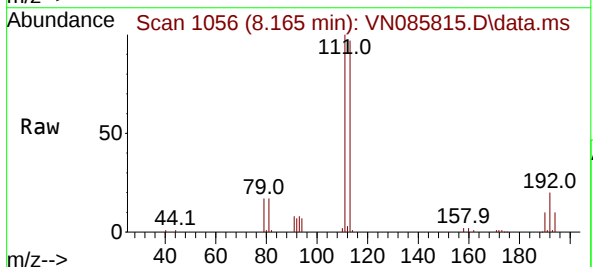
Tgt Ion:113 Resp: 157000

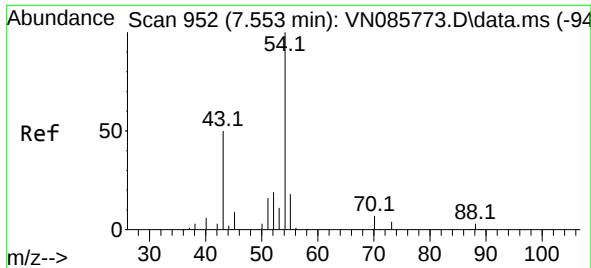
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

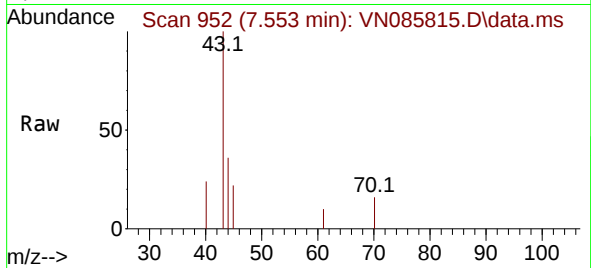
192 19.5 14.7 22.1





#37
Ethyl Acetate
Concen: 1.208 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

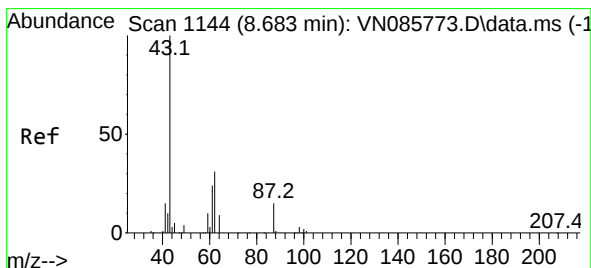
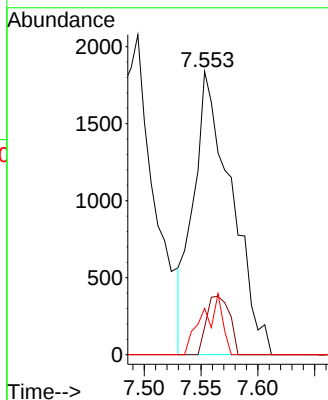
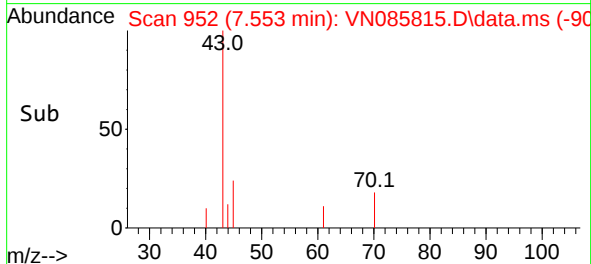
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP



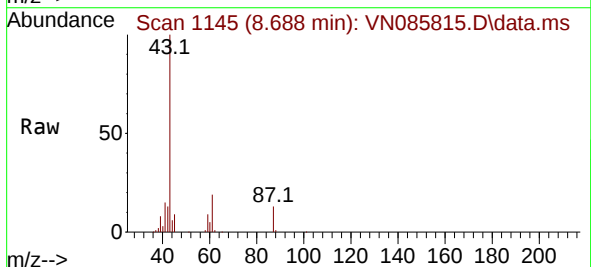
Tgt Ion: 43 Resp: 4289
Ion Ratio Lower Upper
43 100
61 12.5 12.2 18.2
70 11.3 9.5 14.3

Manual Integrations
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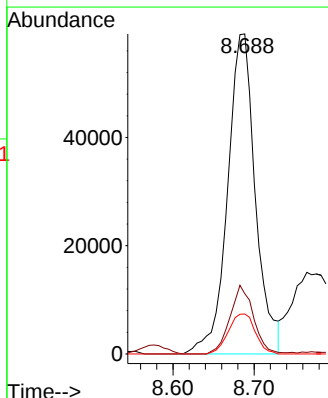
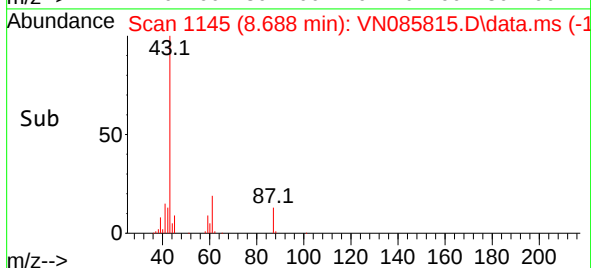
Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

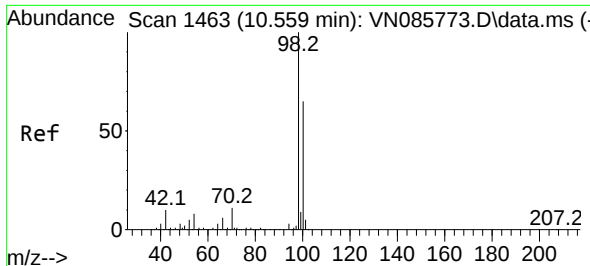


#43
Isopropyl Acetate
Concen: 22.362 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14



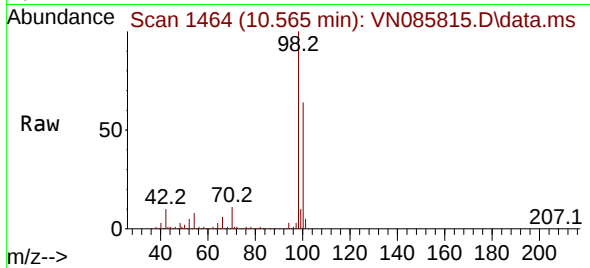
Tgt Ion: 43 Resp: 141257
Ion Ratio Lower Upper
43 100
61 18.2 22.6 34.0#
87 12.0 11.8 17.8





#50
Toluene-d8
Concen: 52.618 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

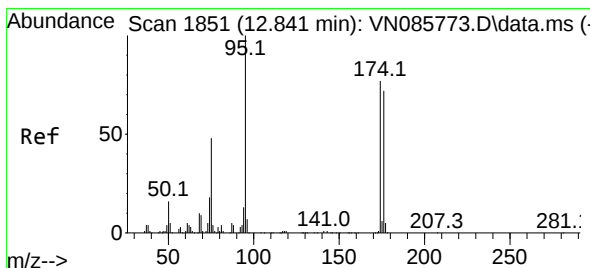
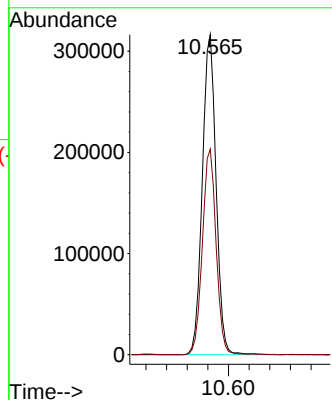
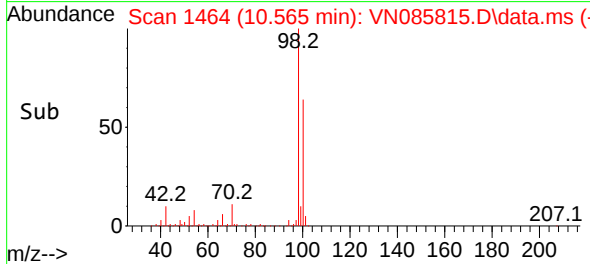
Instrument :
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SOIL-COMP



Tgt Ion: 98 Resp: 583754
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1

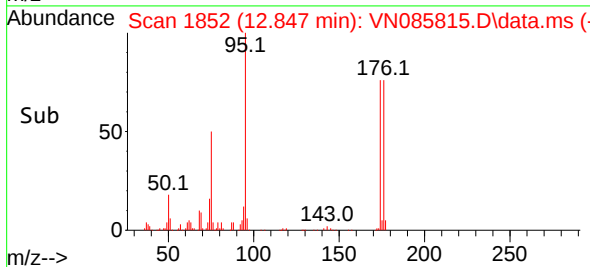
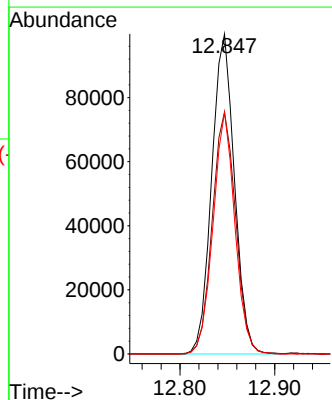
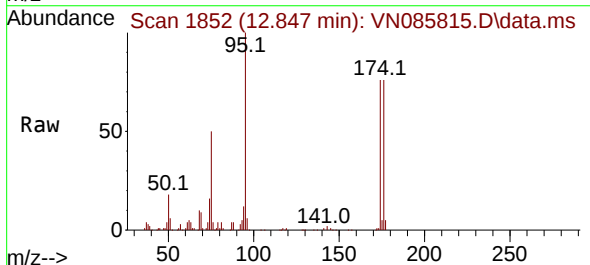
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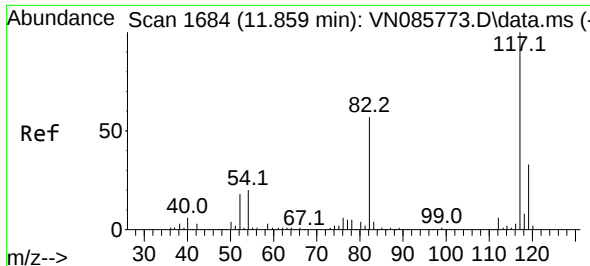
Reviewed By :John Carlone 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#62
4-Bromofluorobenzene
Concen: 45.440 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

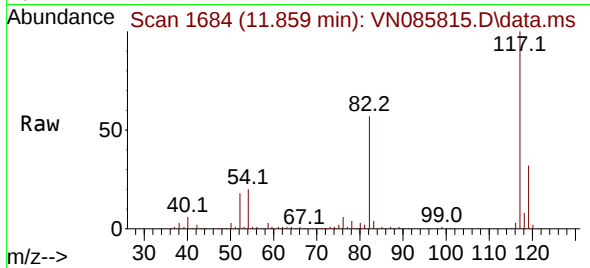
Tgt Ion: 95 Resp: 166099
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.4
176 72.8 0.0 146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14

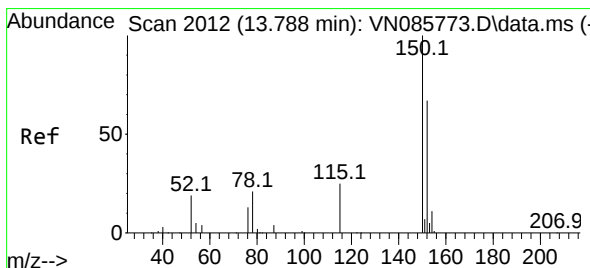
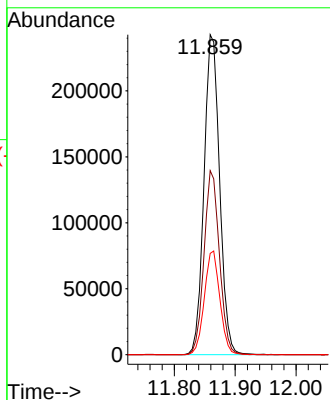
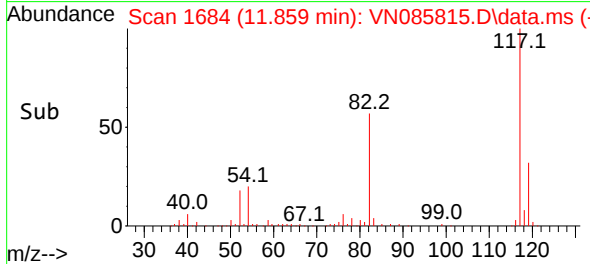
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP



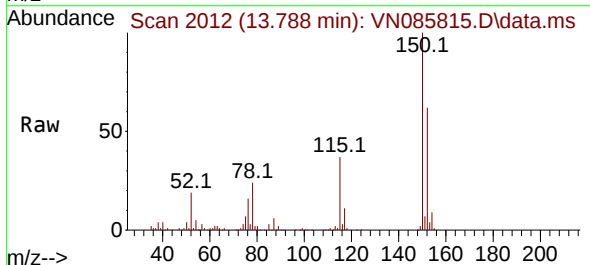
Tgt Ion:117 Resp: 432978
Ion Ratio Lower Upper
117 100
82 57.5 45.7 68.5
119 31.7 26.2 39.2

Manual Integrations
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Supervised By :Mahesh Dadoda 02/24/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085815.D
Acq: 21 Feb 2025 20:14



Tgt Ion:152 Resp: 152193
Ion Ratio Lower Upper
152 100
115 60.6 30.4 91.3
150 159.2 0.0 345.4

