

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088068.D
 Acq On : 17 Oct 2025 15:39
 Operator : JC\MD
 Sample : Q3385-02MS 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Quant Time: Oct 18 01:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	53200	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	297248	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	260365	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	132784	32.053	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.833%	
60) 4-Bromofluorobenzene	12.829	95	132200	30.800	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.667%	
63) Toluene-d8	10.541	98	365815	31.535	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	59668	19.582	ug/l	97
3) Chloromethane	2.383	50	61575	17.824	ug/l	100
4) Vinyl Chloride	2.542	62	67552	18.753	ug/l	98
5) Bromomethane	2.983	94	34680	17.904	ug/l	92
6) Chloroethane	3.148	64	41958	17.658	ug/l	97
7) Trichlorofluoromethane	3.518	101	98528	20.114	ug/l	98
8) Diethyl Ether	3.965	74	38188	17.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	53920	20.563	ug/l	95
10) 1,1-Dichloroethene	4.336	96	53476	19.118	ug/l	91
11) Methyl Iodide	4.583	142	35580	13.801	ug/l	91
12) Methyl Acetate	5.024	43	104603m	23.003	ug/l	
13) Acrolein	4.171	56	68540	97.399	ug/l #	7
14) Acrylonitrile	5.706	53	187537	85.458	ug/l	96
15) Acetone	4.418	58	608618	947.014	ug/l	97
16) Carbon Disulfide	4.706	76	160932	18.353	ug/l	95
17) Allyl chloride	5.018	41	90130	17.076	ug/l	99
18) Methylene Chloride	5.259	84	63450	17.847	ug/l	98
19) trans-1,2-Dichloroethene	5.777	96	58203	17.997	ug/l	84
20) Diisopropyl ether	6.665	45	213890	17.799	ug/l	96
21) 1,1-Dichloroethane	6.553	63	115285	18.429	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	70252	17.353	ug/l #	86
23) tert-Butyl Alcohol	5.518	59	83149	94.474	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	209735	17.371	ug/l	98
25) Chloroform	7.947	83	244499	37.875	ug/l	100
26) Cyclohexane	8.241	56	99461	19.190	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	79558	18.672	ug/l	95
30) 2-Butanone	7.471	43	269939	85.901	ug/l	98
31) 2,2-Dichloropropane	7.471	77	103872	18.920	ug/l #	83
32) 1,1,1-Trichloroethane	8.153	97	100849	18.942	ug/l	97
33) Carbon Tetrachloride	8.341	117	85903	19.263	ug/l	98
34) Benzene	8.588	78	245158	17.347	ug/l	97
35) Methacrylonitrile	7.759	41	56572	17.119	ug/l	94
36) 1,2-Dichloroethane	8.653	62	91057	18.559	ug/l	97
37) Trichloroethene	9.335	130	57919	17.298	ug/l	99
38) Methylcyclohexane	9.577	83	100687	19.136	ug/l	95
39) 1,2-Dichloropropane	9.600	63	63178	17.828	ug/l	99
40) Dibromomethane	9.688	93	45857	17.778	ug/l	92
41) Bromodichloromethane	9.871	83	100612	19.098	ug/l	99
42) Vinyl Acetate	6.589	43	987928m	92.284	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	109471	18.122	ug/l	96
44) Isopropyl Acetate	8.671	43	174478	17.684	ug/l	98
45) 1,4-Dioxane	9.682	88	24296	370.259	ug/l #	92
46) Methyl methacrylate	9.659	41	76543	17.617	ug/l	96
47) n-amyl Acetate	12.671	43	106012m	22.670	ug/l	
48) t-1,3-Dichloropropene	10.812	75	99242	16.941	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	104638	17.124	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	59043	17.284	ug/l	98
51) Ethyl methacrylate	10.853	69	98182	16.983	ug/l	96
52) 1,3-Dichloropropane	11.141	76	106331	17.841	ug/l	100
53) Dibromochloromethane	11.335	129	69666	17.059	ug/l	99
54) 1,2-Dibromoethane	11.447	107	60881	16.671	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	117845	37.765	ug/l	98
56) Bromoform	12.559	173	41642	15.083	ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	532449	91.427	ug/l	97
59) 2-Hexanone	11.176	43	341153	88.725	ug/l	98
61) Tetrachloroethene	11.082	164	45704	17.334	ug/l	97
62) Toluene	10.606	91	264818	17.931	ug/l	100
64) Chlorobenzene	11.871	112	165907	17.587	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.935	131	56872	17.494	ug/l	98
66) Ethyl Benzene	11.941	91	289621	18.035	ug/l	99
67) m/p-Xylenes	12.053	106	222818	35.991	ug/l	99
68) o-Xylene	12.376	106	108867	17.665	ug/l	96
69) Styrene	12.388	104	176336	17.296	ug/l	98
70) Isopropylbenzene	12.671	105	275336	18.228	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	91451	17.858	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	88199m	18.545	ug/l	
73) Bromobenzene	12.959	156	62442	16.914	ug/l	89
74) n-propylbenzene	13.012	91	332803	18.251	ug/l	99
75) 2-Chlorotoluene	13.106	91	200546	17.987	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	230269	17.947	ug/l	96
77) t-1,4-Dichloro-2-butene	12.718	75	29556	15.594	ug/l	92
78) 4-Chlorotoluene	13.200	91	203667	17.980	ug/l	97
79) tert-butylbenzene	13.418	119	204936	18.425	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	227695	17.727	ug/l	96
81) sec-Butylbenzene	13.594	105	295482	18.894	ug/l	98
82) p-Isopropyltoluene	13.706	119	242150	18.136	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	120891	17.404	ug/l	93
84) 1,4-Dichlorobenzene	13.788	146	124462	17.374	ug/l	98
85) n-Butylbenzene	14.035	91	230260	18.537	ug/l	99
86) Hexachloroethane	14.306	117	46511	17.389	ug/l	89
87) 1,2-Dichlorobenzene	14.082	146	117856	17.250	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	22559	19.181	ug/l	84
89) 1,2,4-Trichlorobenzene	15.811	180	62146	15.270	ug/l	98
90) Hexachlorobutadiene	15.470	225	25367	17.909	ug/l	99
91) Naphthalene	15.611	128	242149	16.252	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	62146	15.270	ug/l	98

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

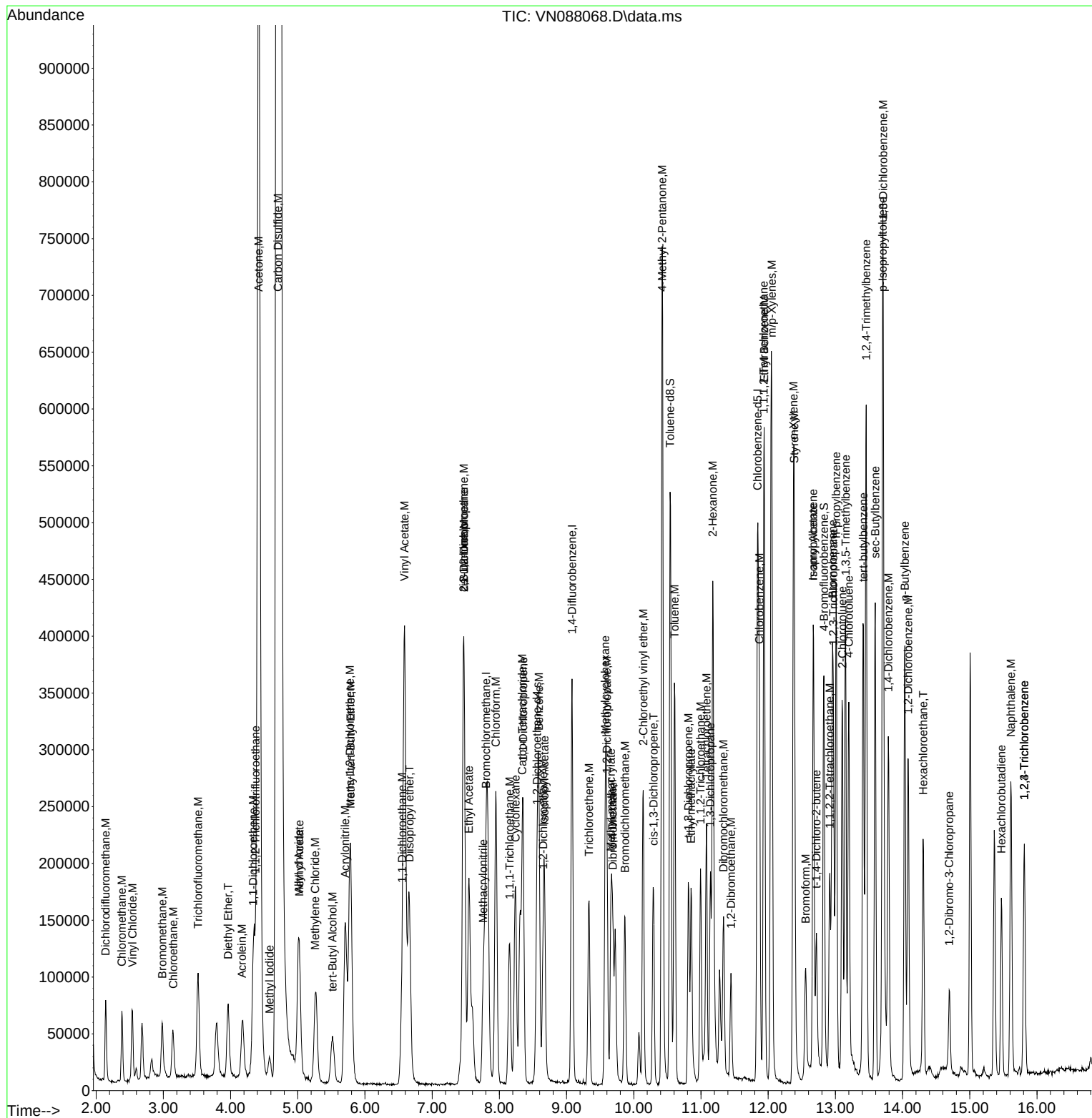
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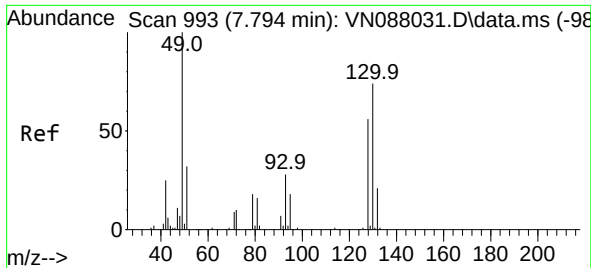
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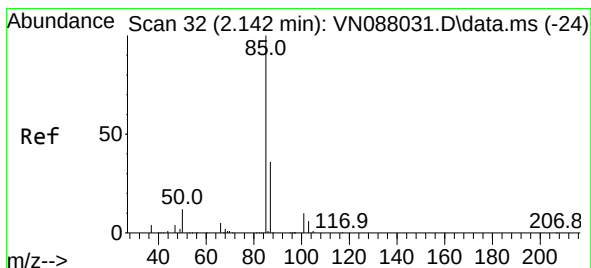
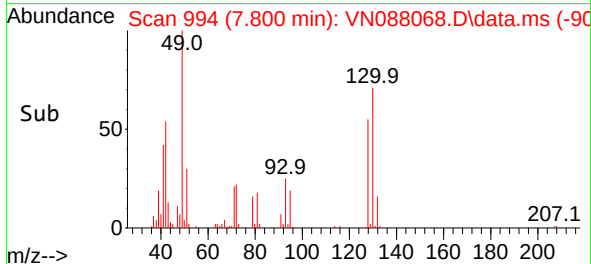
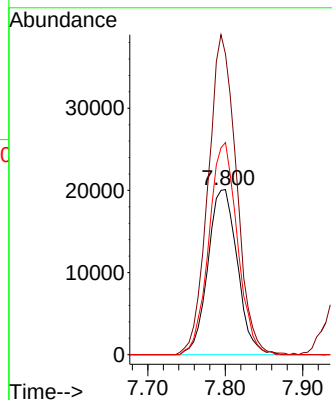
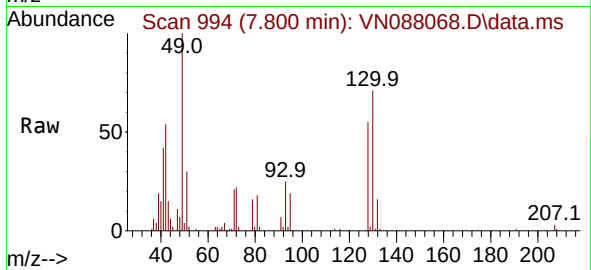
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:128 Resp: 53200
Ion Ratio Lower Upper
128 100
49 185.7 0.0 439.8
130 124.4 0.0 325.8

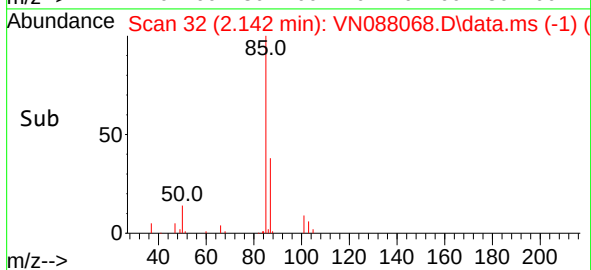
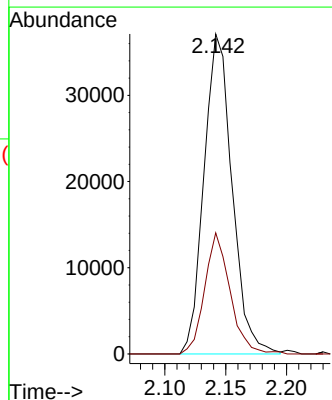
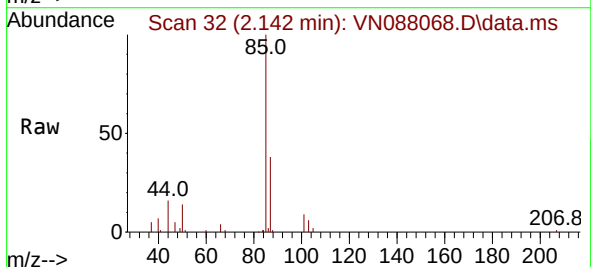
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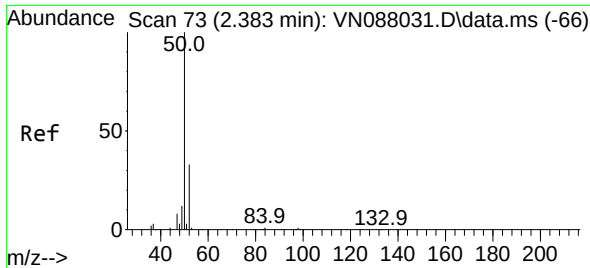
Reviewed By :John Carlone 10/20/2025
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#2
Dichlorodifluoromethane
Concen: 19.582 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

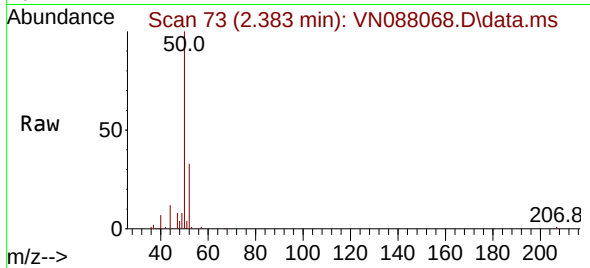
Tgt Ion: 85 Resp: 59668
Ion Ratio Lower Upper
85 100
87 37.8 17.9 53.8





#3
Chloromethane
Concen: 17.824 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

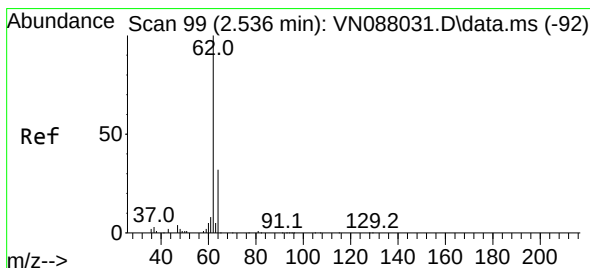
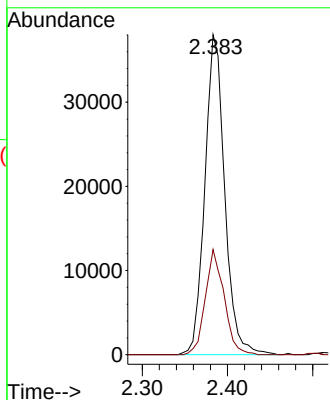
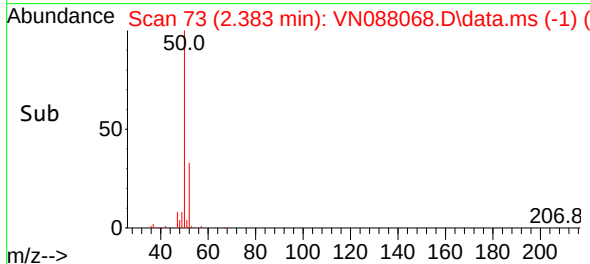
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ClientSampleId :
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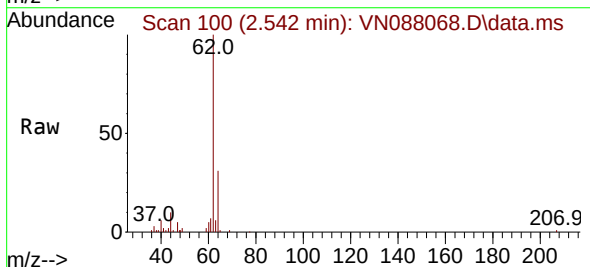
Tgt Ion: 50 Resp: 6157
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

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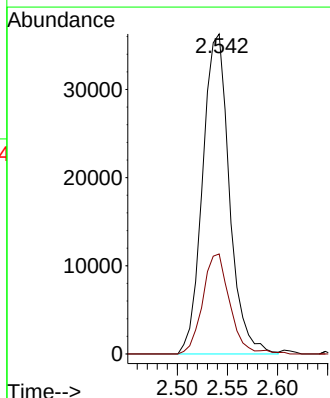
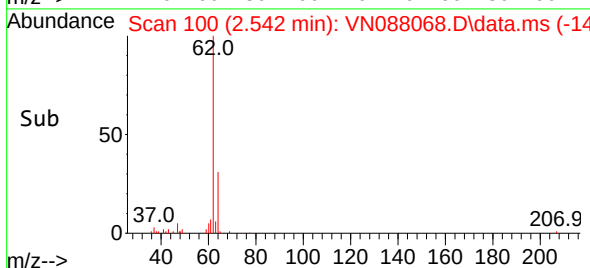
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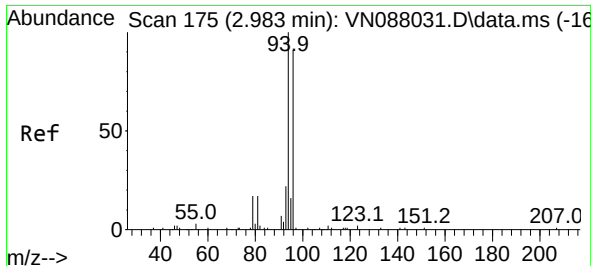


#4
Vinyl Chloride
Concen: 18.753 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



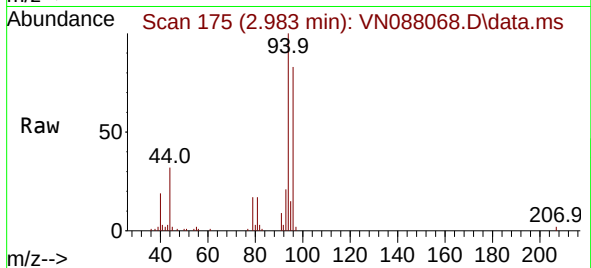
Tgt Ion: 62 Resp: 67552
Ion Ratio Lower Upper
62 100
64 31.2 25.7 38.5





#5
Bromomethane
Concen: 17.904 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

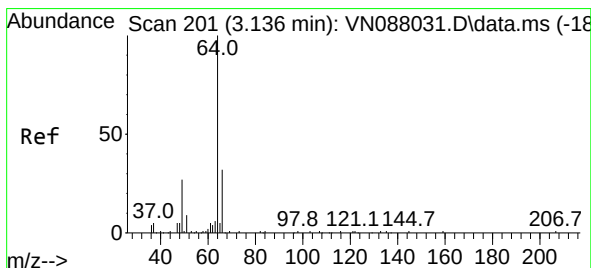
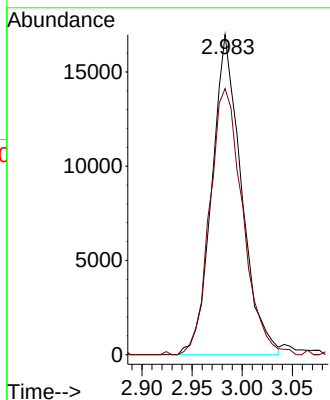
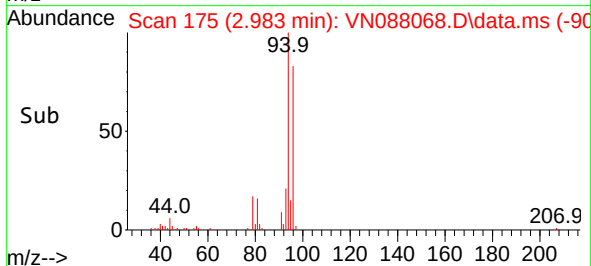
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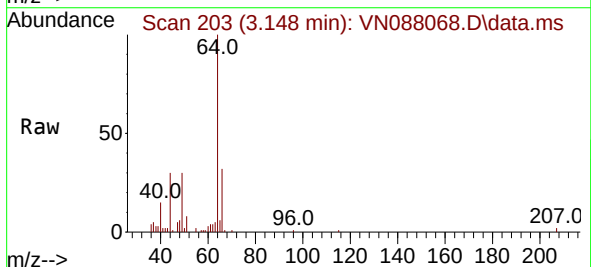
Tgt Ion: 94 Resp: 34680
Ion Ratio Lower Upper
94 100
96 83.1 73.0 109.4

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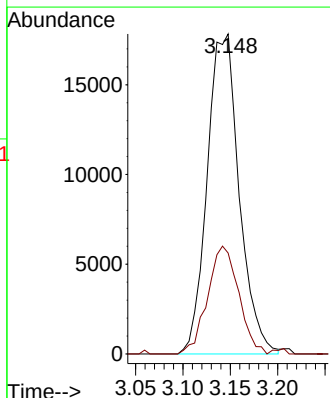
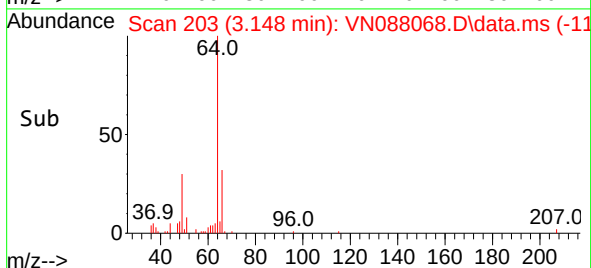
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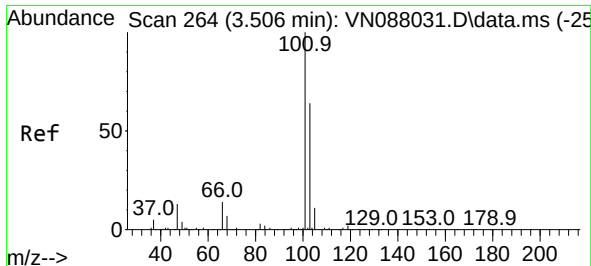


#6
Chloroethane
Concen: 17.658 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.012 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



Tgt Ion: 64 Resp: 41958
Ion Ratio Lower Upper
64 100
66 31.6 26.8 40.2





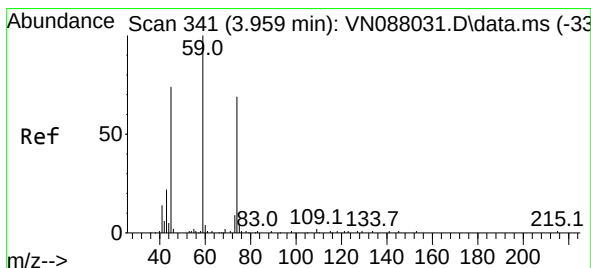
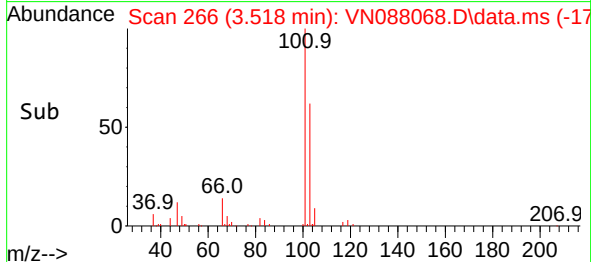
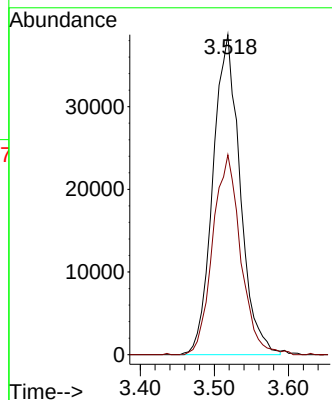
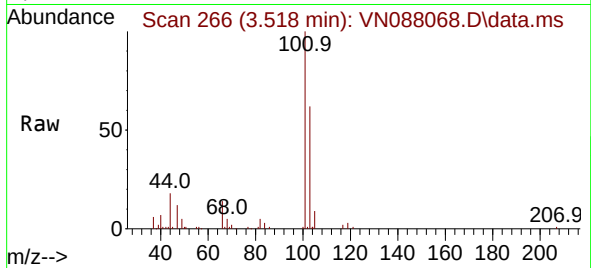
#7
 Trichlorofluoromethane
 Concen: 20.114 ug/l
 RT: 3.518 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VN088068.D
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Instrument :
 MSVOA_N
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Tgt Ion:101 Resp: 98528
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.0 76.4

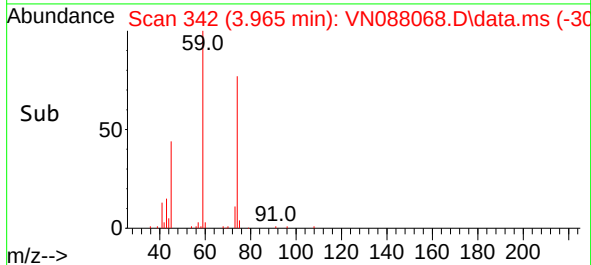
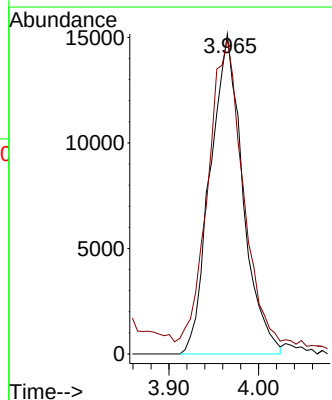
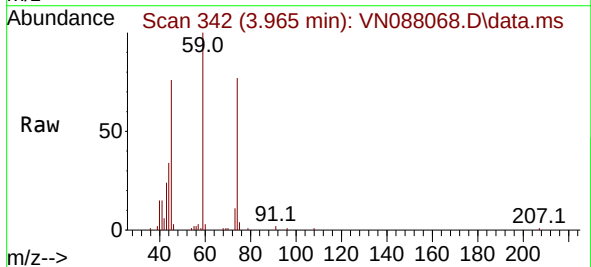
Manual Integrations
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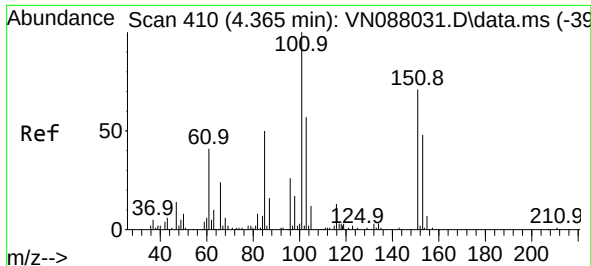
Reviewed By :John Carlone 10/20/2025
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#8
 Diethyl Ether
 Concen: 17.254 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN088068.D
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Tgt Ion: 74 Resp: 38188
 Ion Ratio Lower Upper
 74 100
 45 100.4 20.4 183.8





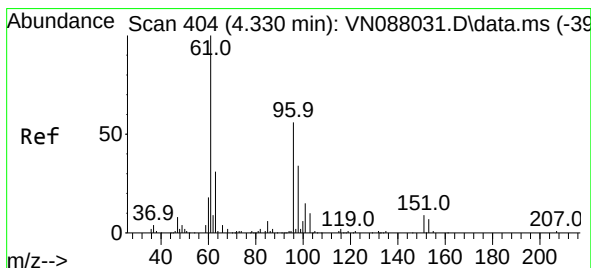
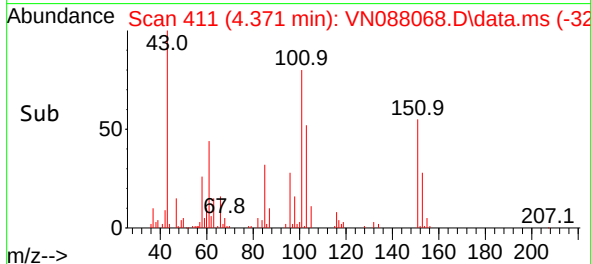
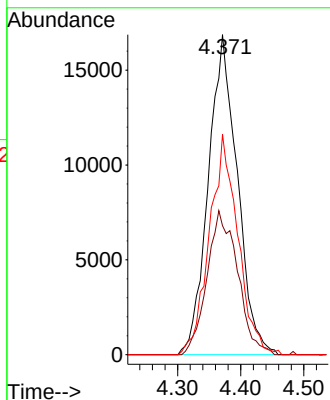
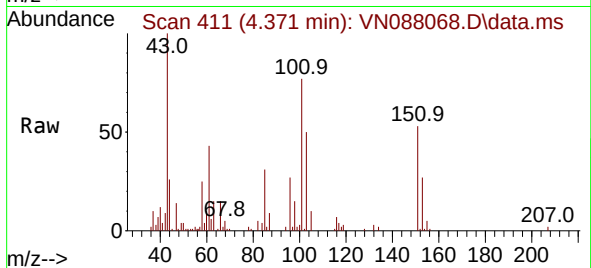
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.563 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN088068.D
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Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 53920
Ion Ratio Lower Upper
101 100
85 47.5 0.0 103.2
151 67.3 0.0 141.4

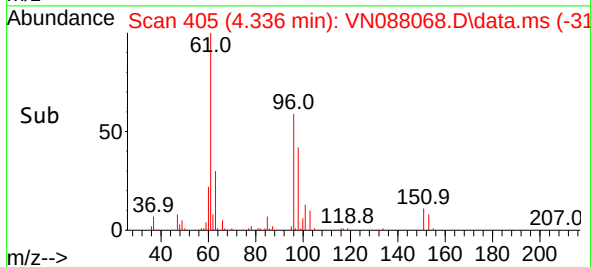
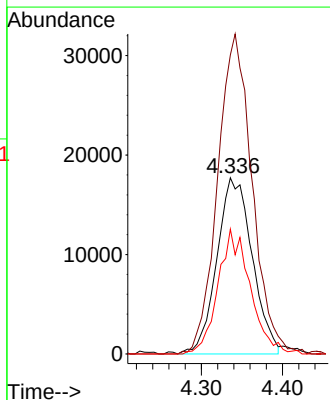
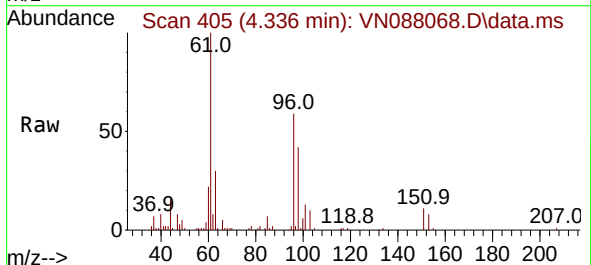
Manual Integrations
APPROVED

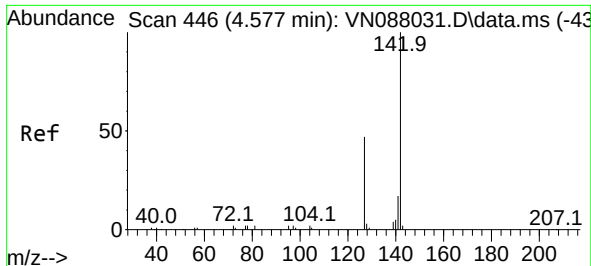
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#10
1,1-Dichloroethene
Concen: 19.118 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

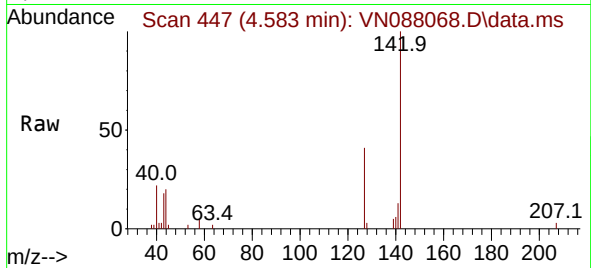
Tgt Ion: 96 Resp: 53476
Ion Ratio Lower Upper
96 100
61 169.8 144.1 216.1
98 70.9 49.0 73.6





#11
Methyl Iodide
Concen: 13.801 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

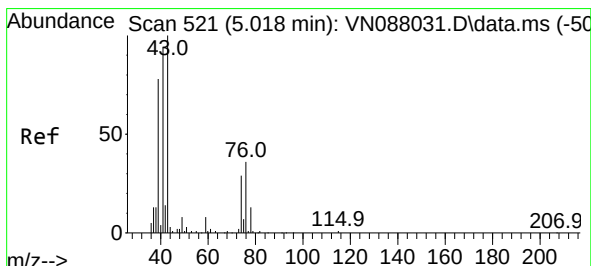
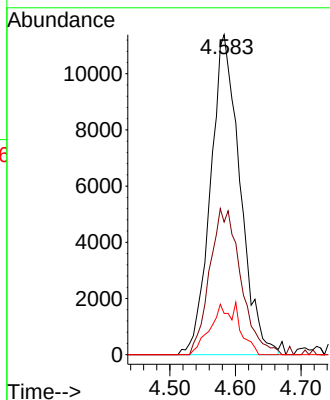
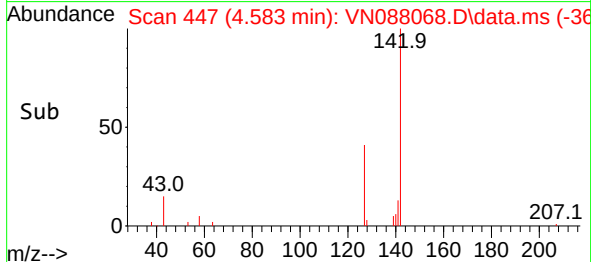
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:142 Resp: 35580
Ion Ratio Lower Upper
142 100
127 41.1 23.4 70.3
141 13.0 8.8 26.2

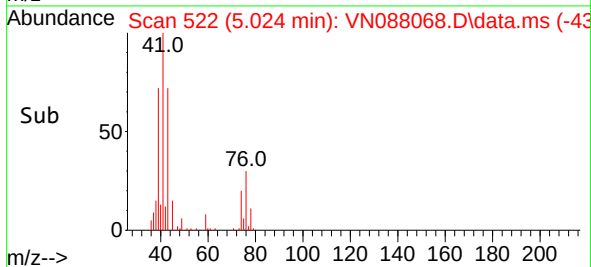
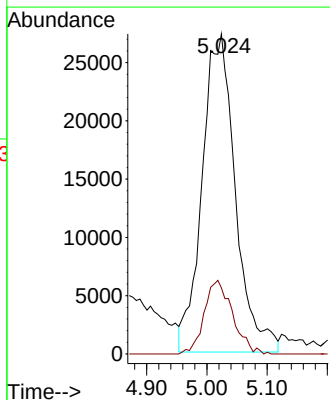
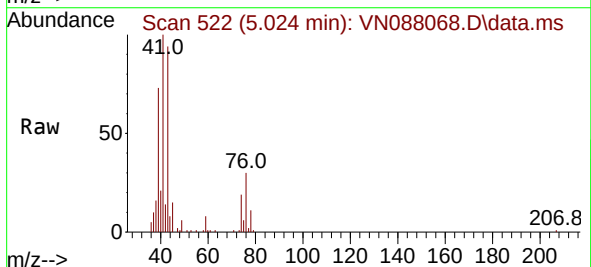
Manual Integrations
APPROVED

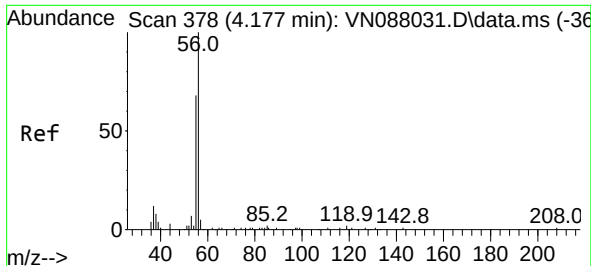
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#12
Methyl Acetate
Concen: 23.003 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 43 Resp: 104603
Ion Ratio Lower Upper
43 100
74 20.7 23.3 34.9#





#13

Acrolein

Concen: 97.399 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 56 Resp: 68540

Ion Ratio Lower Upper

56 100

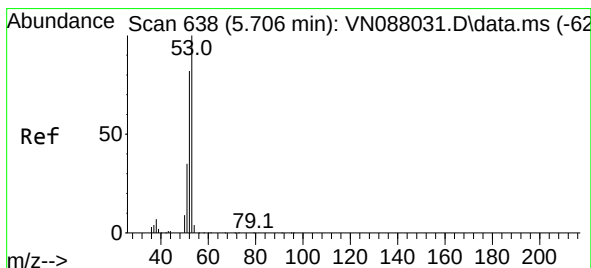
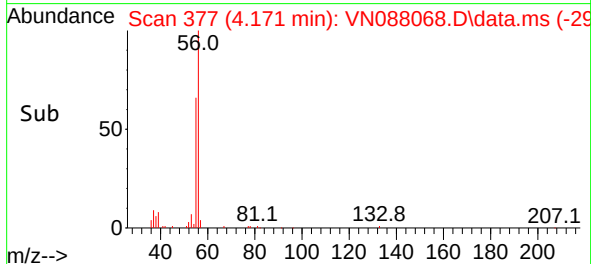
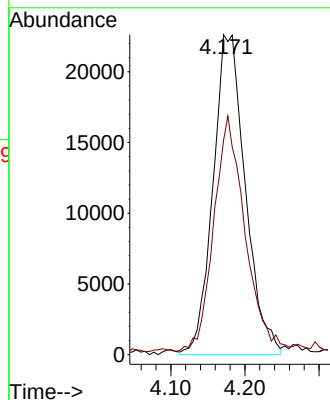
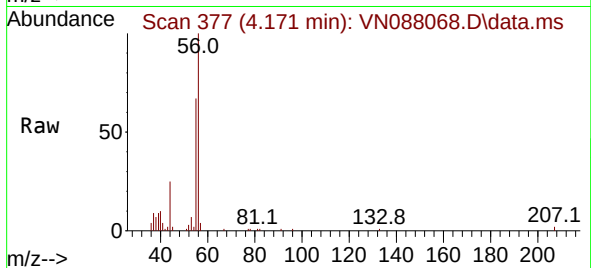
55 70.7 0.3 0.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#14

Acrylonitrile

Concen: 85.458 ug/l

RT: 5.706 min Scan# 638

Delta R.T. 0.000 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

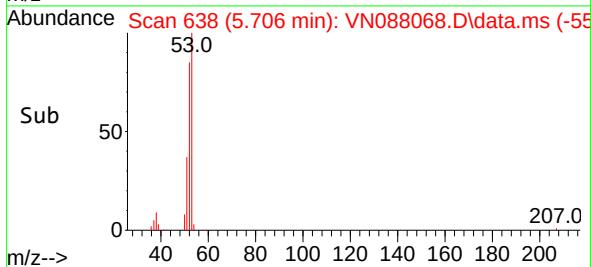
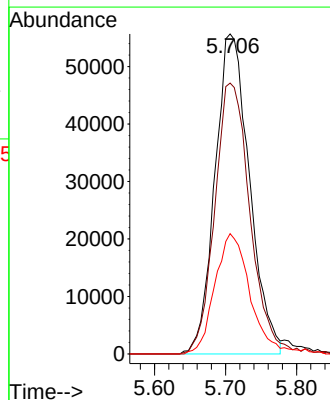
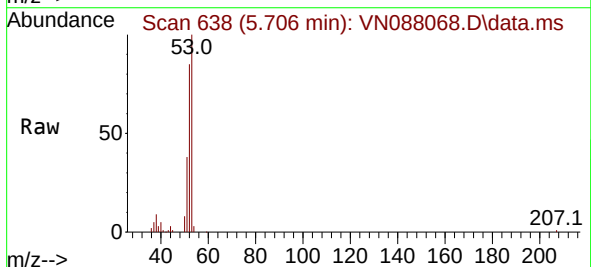
Tgt Ion: 53 Resp: 187537

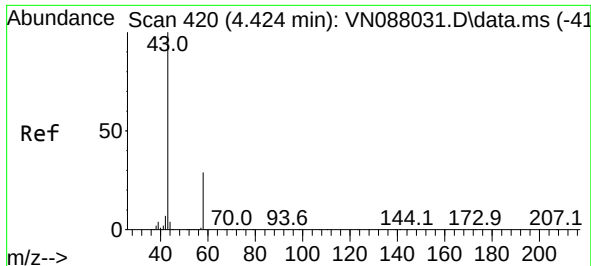
Ion Ratio Lower Upper

53 100

52 86.4 41.3 124.1

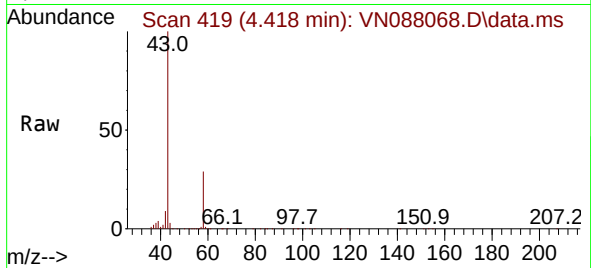
51 37.7 18.0 54.0





#15
Acetone
Concen: 947.014 ug/l
RT: 4.418 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

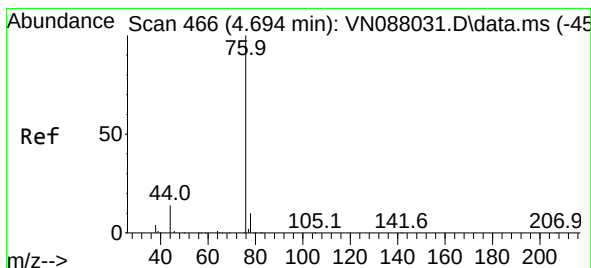
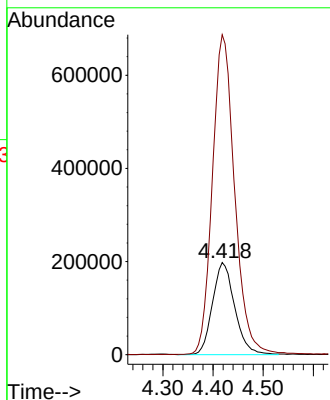
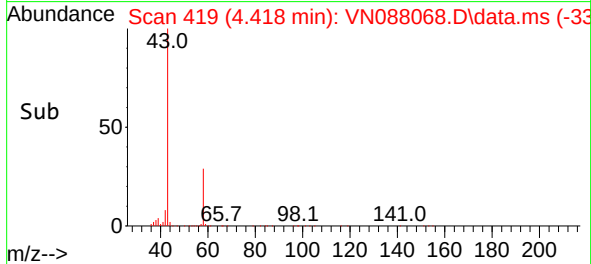
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



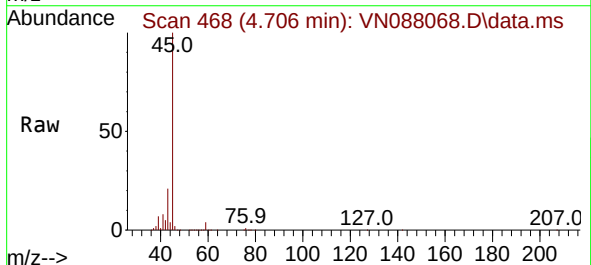
Tgt Ion: 58 Resp: 608618
Ion Ratio Lower Upper
58 100
43 347.1 282.6 424.0

Manual Integrations
APPROVED

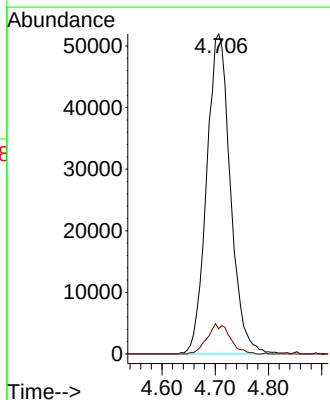
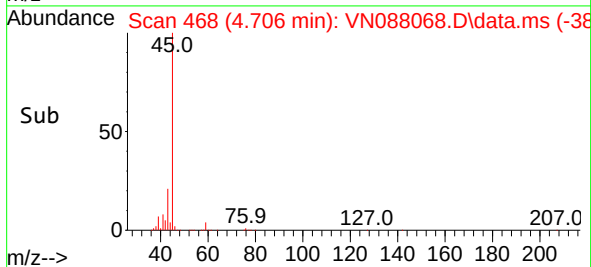
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

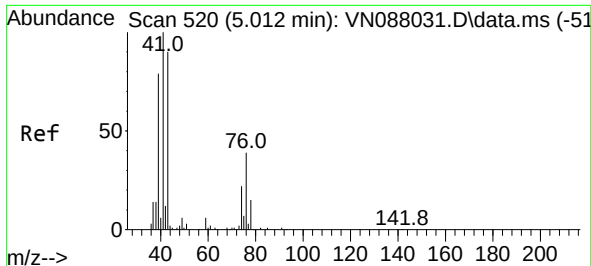


#16
Carbon Disulfide
Concen: 18.353 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



Tgt Ion: 76 Resp: 160932
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.8





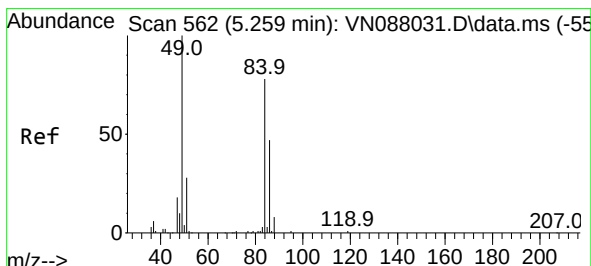
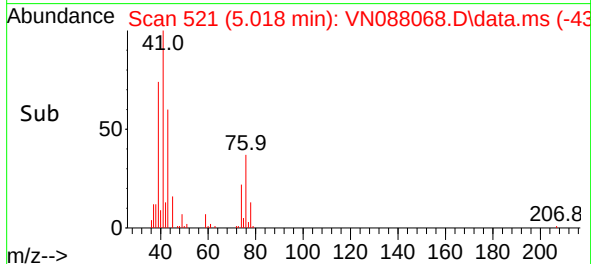
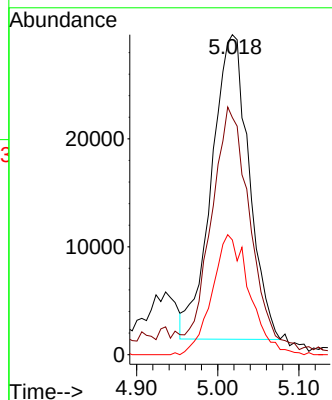
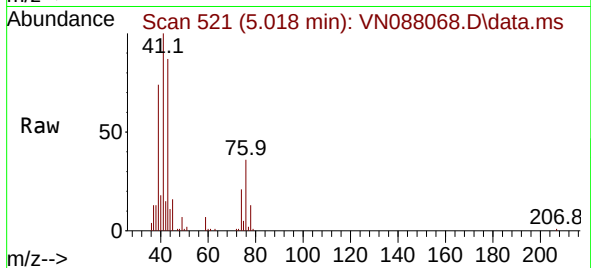
#17
 Allyl chloride
 Concen: 17.076 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Tgt Ion: 41 Resp: 90130
 Ion Ratio Lower Upper
 41 100
 39 72.9 36.4 109.2
 76 37.7 18.1 54.1

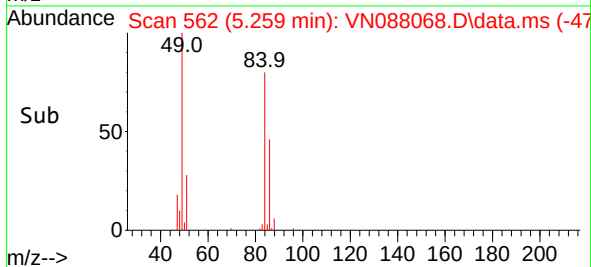
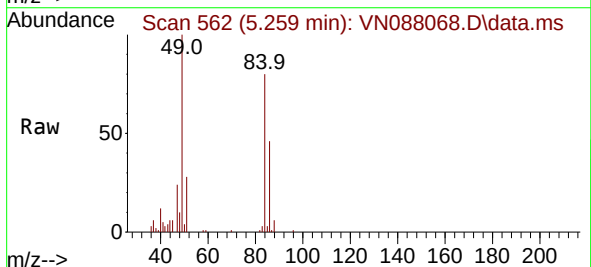
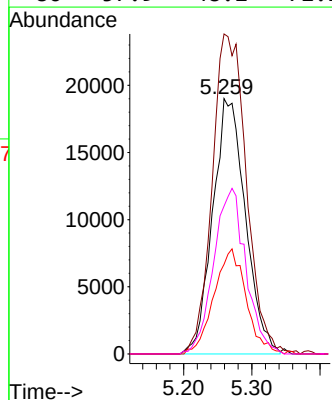
Manual Integrations
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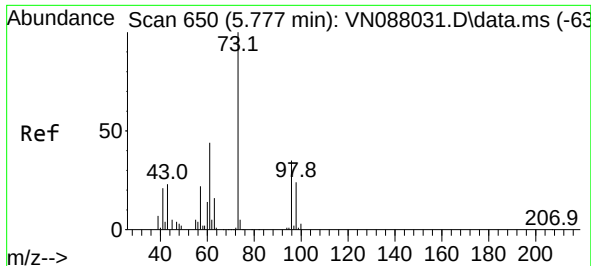
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#18
 Methylene Chloride
 Concen: 17.847 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

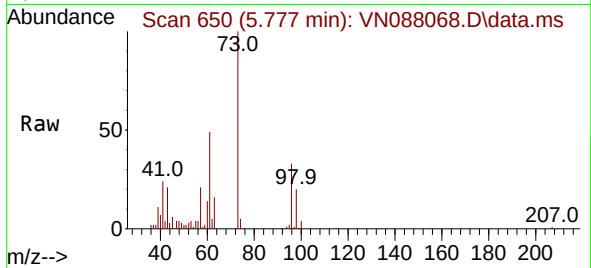
Tgt Ion: 84 Resp: 63450
 Ion Ratio Lower Upper
 84 100
 49 125.3 102.6 153.8
 51 35.1 28.6 42.8
 86 57.9 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 17.997 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

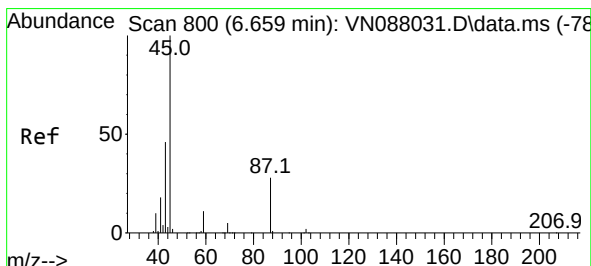
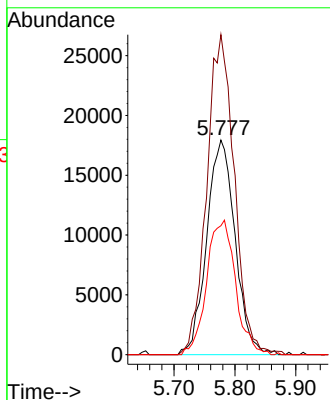
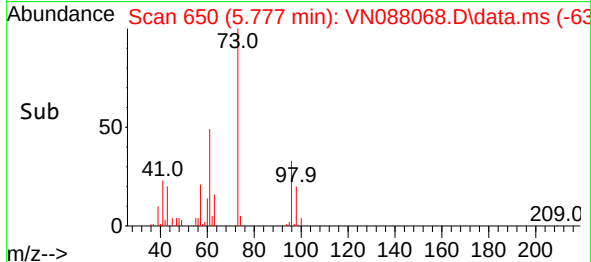
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 96 Resp: 5820
Ion Ratio Lower Upper
96 100
61 149.1 100.6 151.0
98 60.1 54.0 81.0

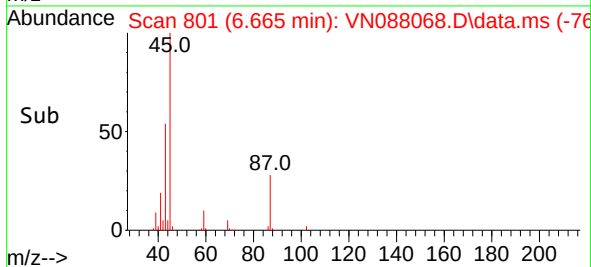
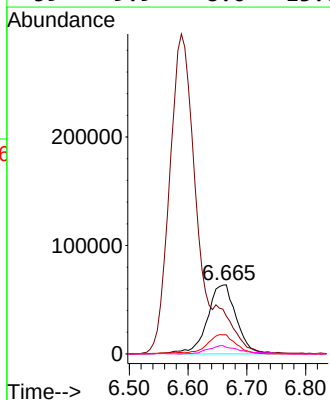
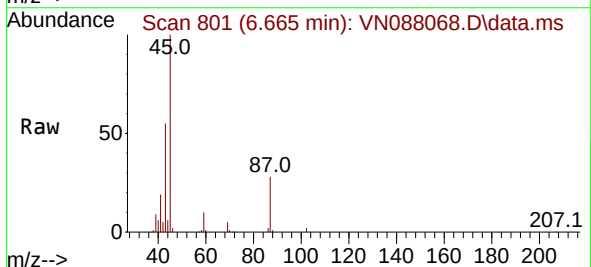
Manual Integrations
APPROVED

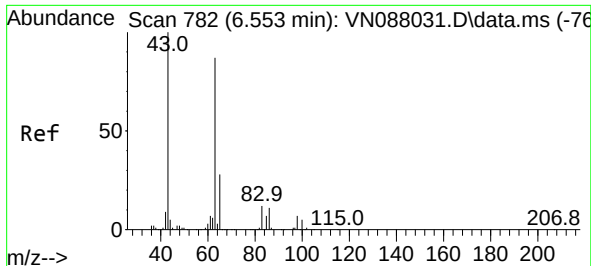
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#20
Diisopropyl ether
Concen: 17.799 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 45 Resp: 213890
Ion Ratio Lower Upper
45 100
43 52.7 46.1 69.1
87 27.6 22.3 33.5
59 9.9 8.6 13.0





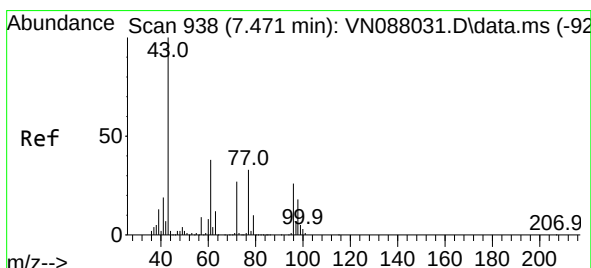
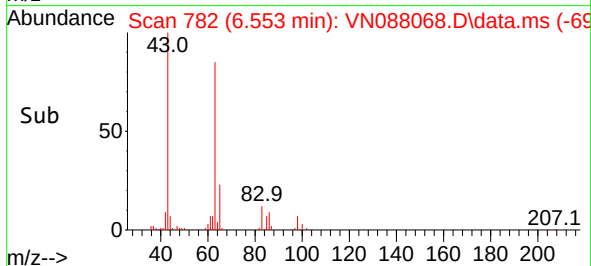
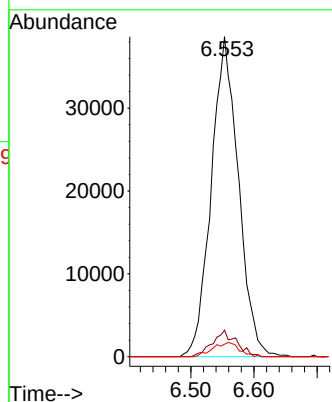
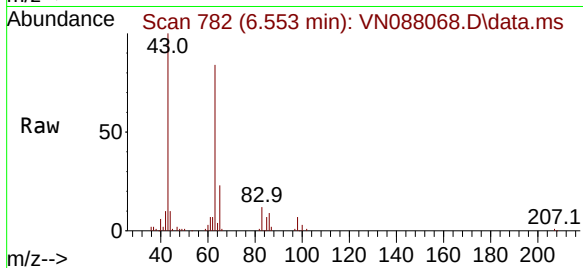
#21
1,1-Dichloroethane
Concen: 18.429 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 63 Resp: 11528
Ion Ratio Lower Upper
63 100
98 8.3 4.3 12.8
100 3.9 2.6 8.0

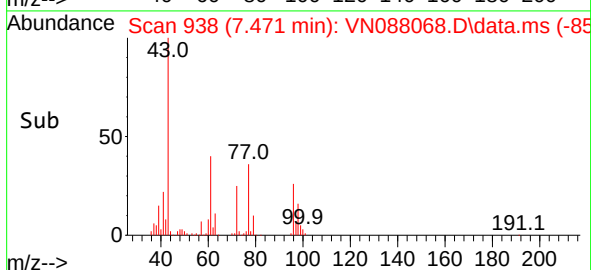
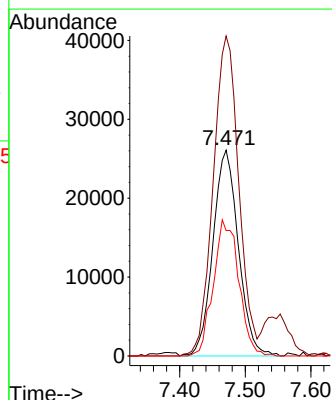
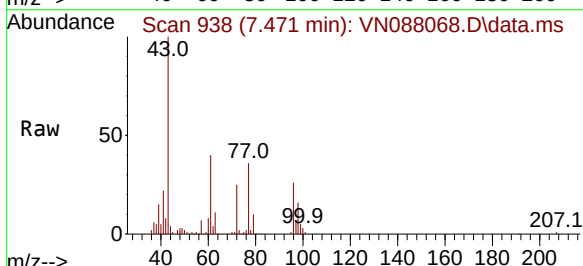
Manual Integrations
APPROVED

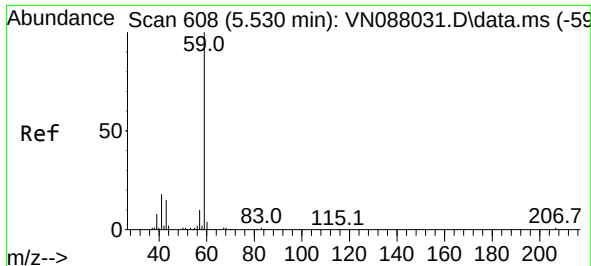
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#22
cis-1,2-Dichloroethene
Concen: 17.353 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

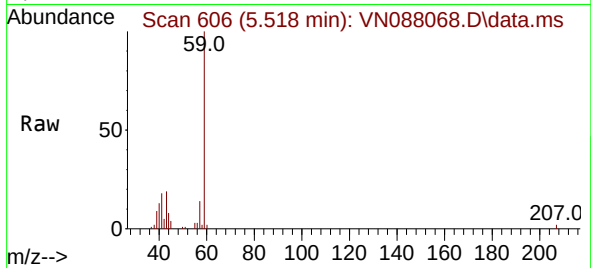
Tgt Ion: 96 Resp: 70252
Ion Ratio Lower Upper
96 100
61 155.9 117.0 175.6
98 44.6 52.6 79.0#





#23
tert-Butyl Alcohol
Concen: 94.474 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

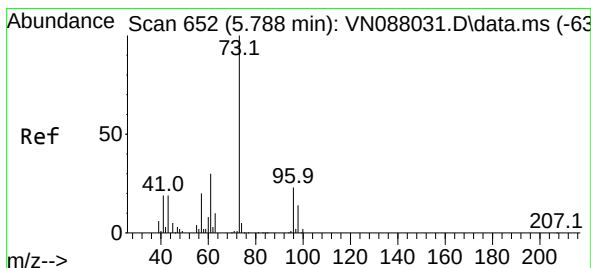
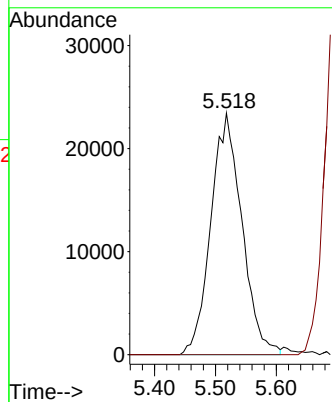
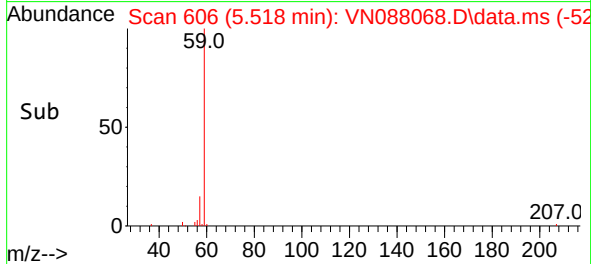
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



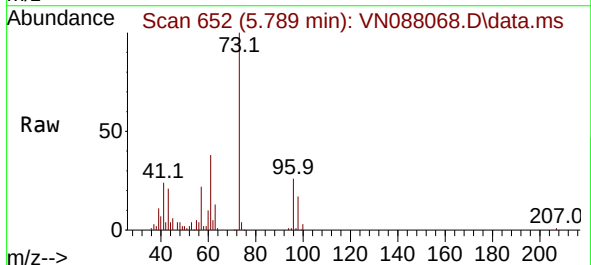
Tgt Ion: 59 Resp: 83149
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

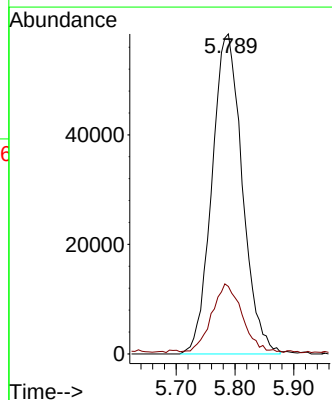
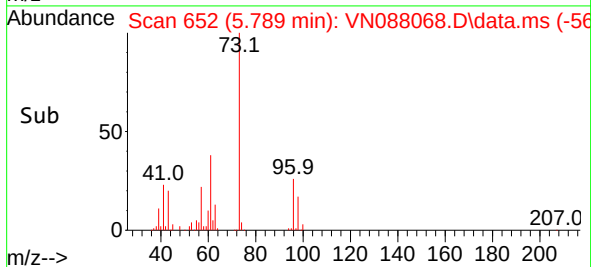
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

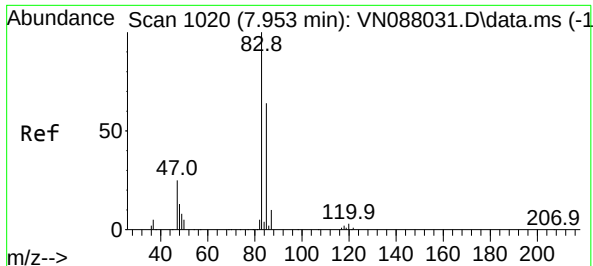


#24
Methyl tert-Butyl Ether
Concen: 17.371 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



Tgt Ion: 73 Resp: 209735
Ion Ratio Lower Upper
73 100
43 20.3 17.0 25.4





#25

Chloroform

Concen: 37.875 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 83 Resp: 244498

Ion Ratio Lower Upper

83 100

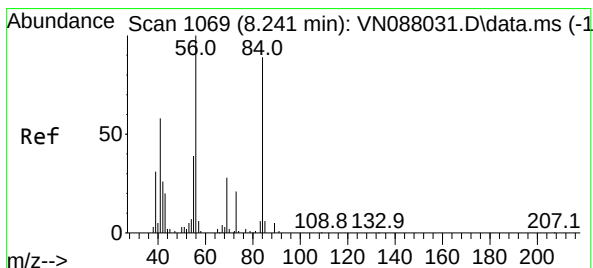
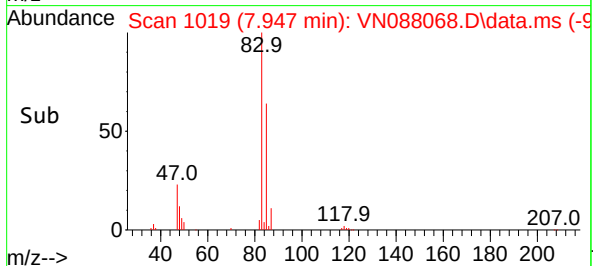
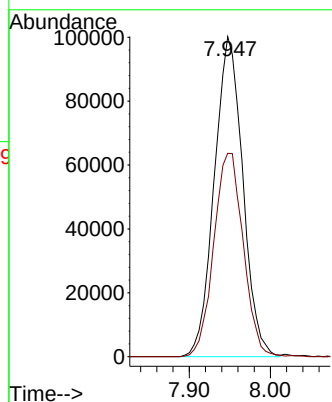
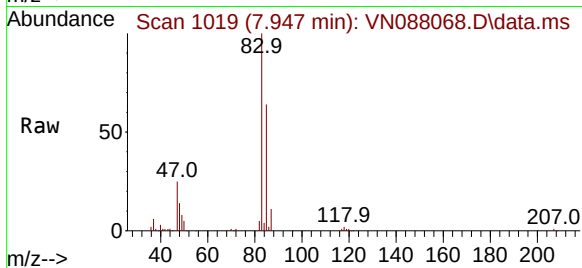
85 63.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#26

Cyclohexane

Concen: 19.190 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

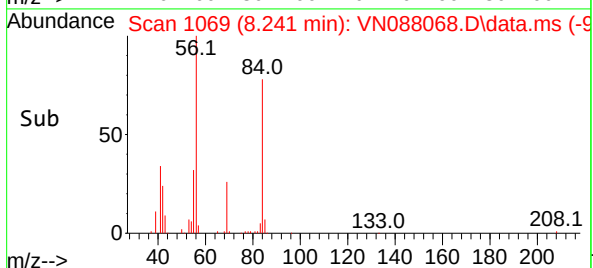
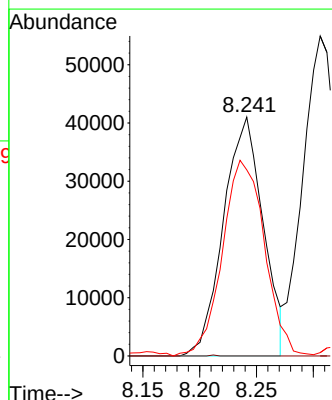
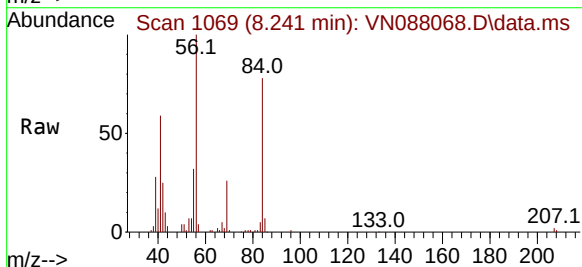
Tgt Ion: 56 Resp: 99461

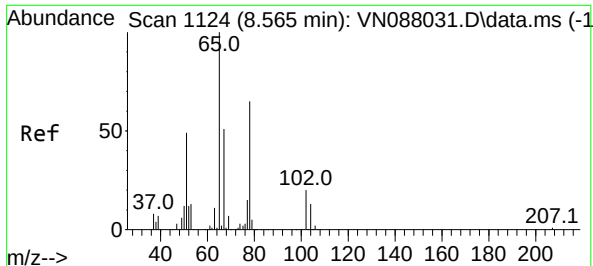
Ion Ratio Lower Upper

56 100

89 0.0 8.6 12.8#

84 87.3 69.6 104.4





#27

1,2-Dichloroethane-d4

Concen: 32.053 ug/l

RT: 8.559 min Scan# 1124

Delta R.T. -0.006 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 65 Resp: 132784

Ion Ratio Lower Upper

65 100

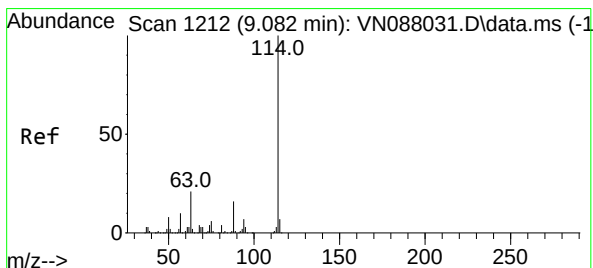
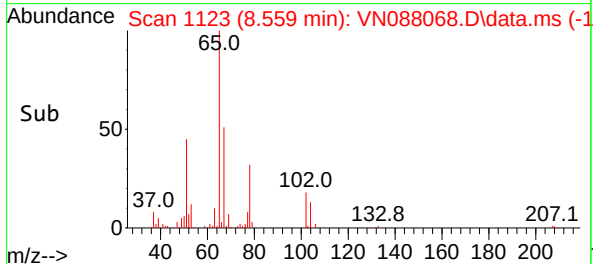
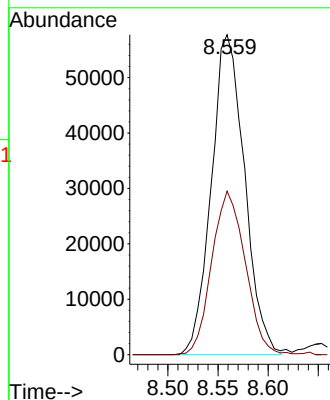
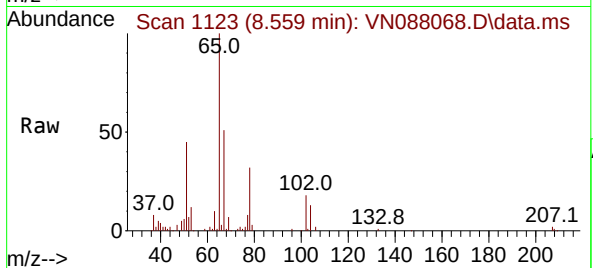
67 51.6 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

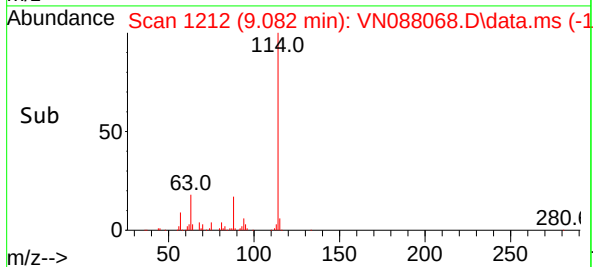
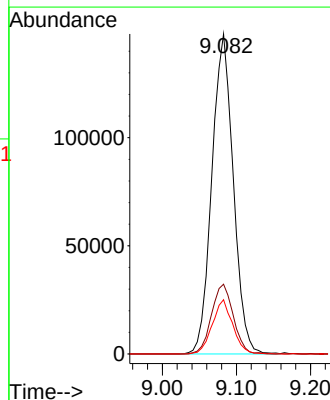
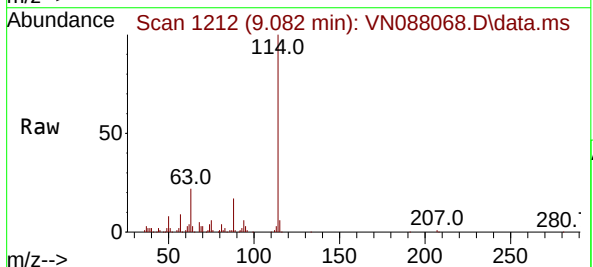
Tgt Ion:114 Resp: 297248

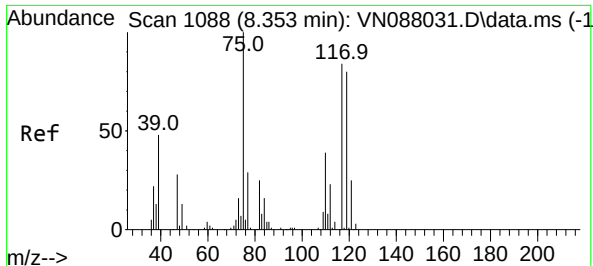
Ion Ratio Lower Upper

114 100

63 22.2 16.6 25.0

88 16.1 12.6 18.8





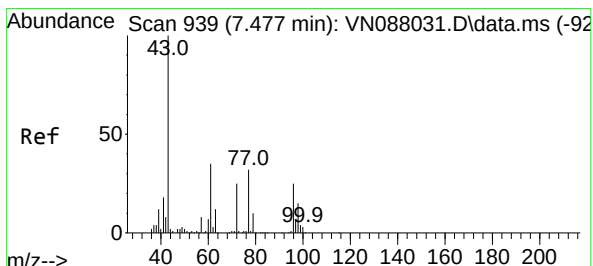
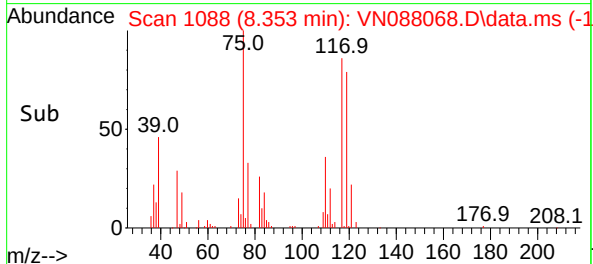
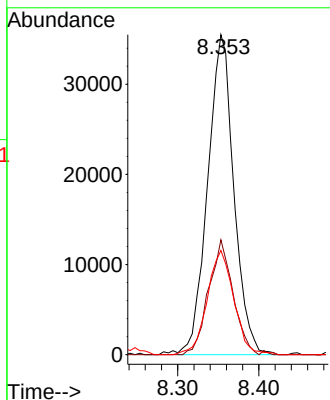
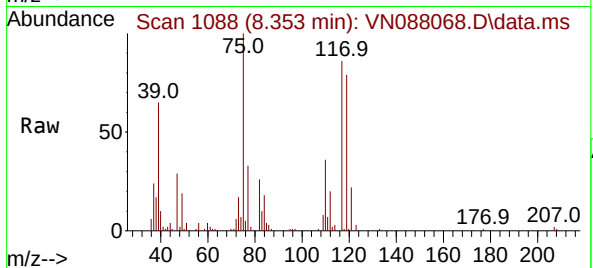
#29
1,1-Dichloropropene
Concen: 18.672 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 75 Resp: 79558
Ion Ratio Lower Upper
75 100
110 33.3 0.0 72.2
77 33.1 0.0 60.6

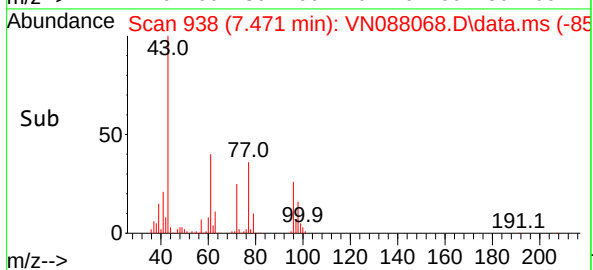
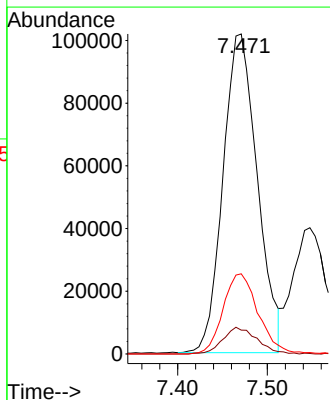
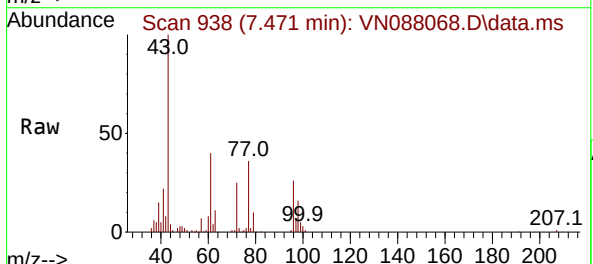
Manual Integrations
APPROVED

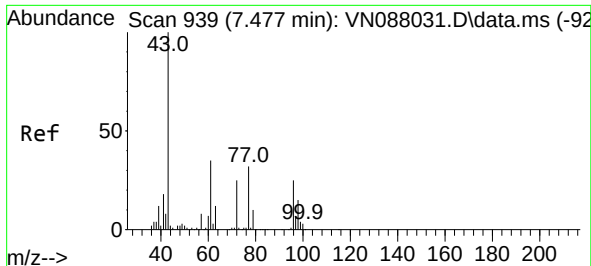
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#30
2-Butanone
Concen: 85.901 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

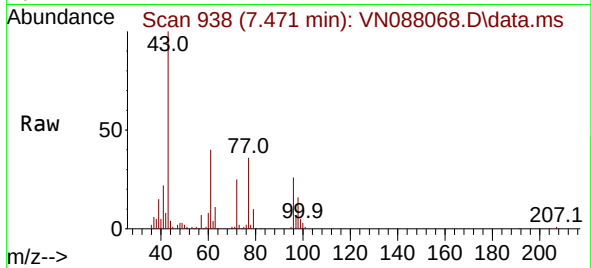
Tgt Ion: 43 Resp: 269939
Ion Ratio Lower Upper
43 100
57 8.3 6.5 9.7
72 25.8 21.4 32.2





#31
2,2-Dichloropropane
Concen: 18.920 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

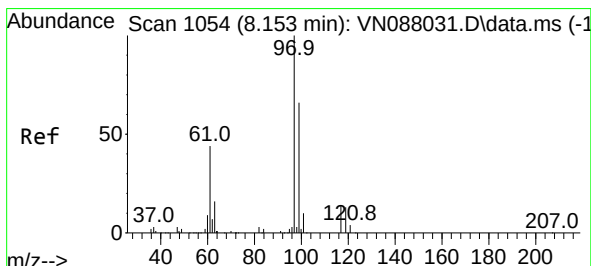
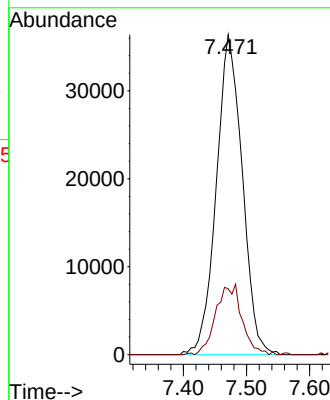
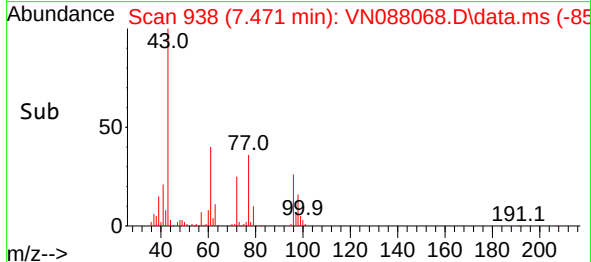
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 77 Resp: 103872
Ion Ratio Lower Upper
77 100
97 14.2 17.8 26.8

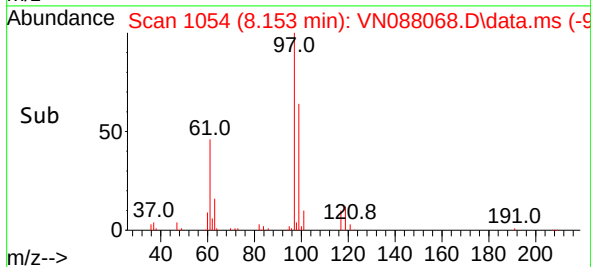
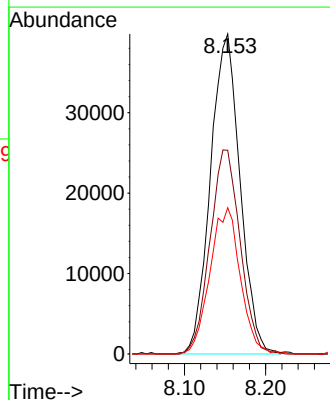
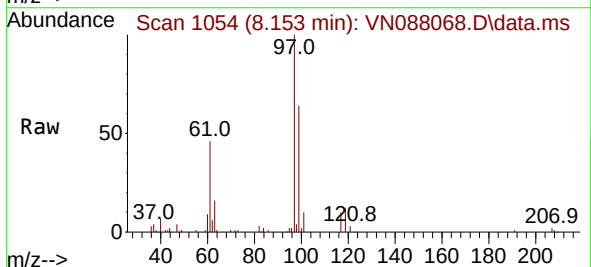
Manual Integrations
APPROVED

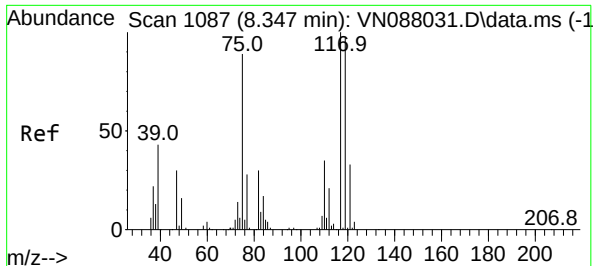
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#32
1,1,1-Trichloroethane
Concen: 18.942 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

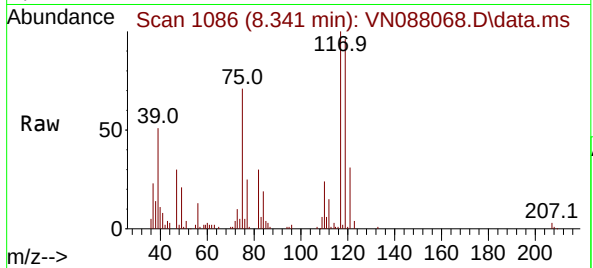
Tgt Ion: 97 Resp: 100849
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.2
61 46.8 34.7 52.1





#33
Carbon Tetrachloride
Concen: 19.263 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

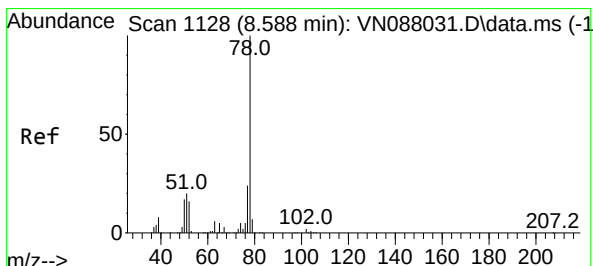
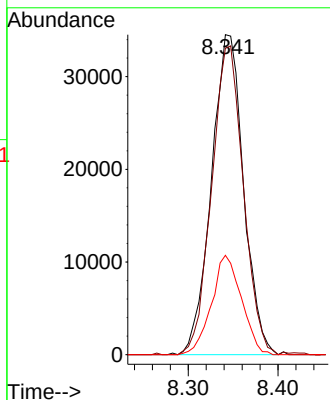
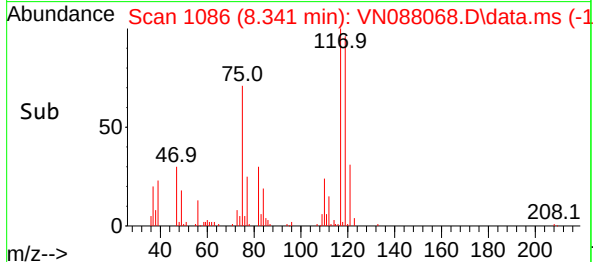
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:117 Resp: 8590
Ion Ratio Lower Upper
117 100
119 95.7 77.9 116.9
121 31.0 26.4 39.6

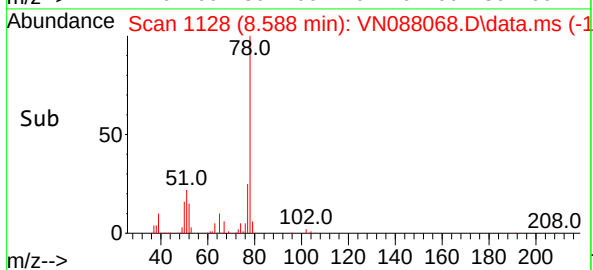
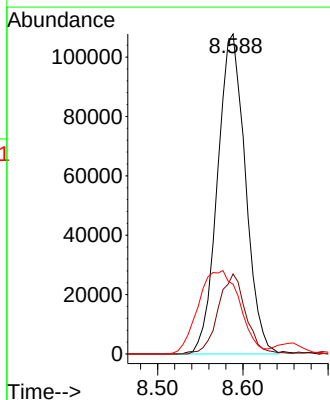
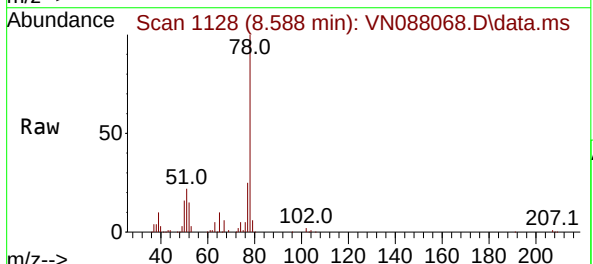
Manual Integrations
APPROVED

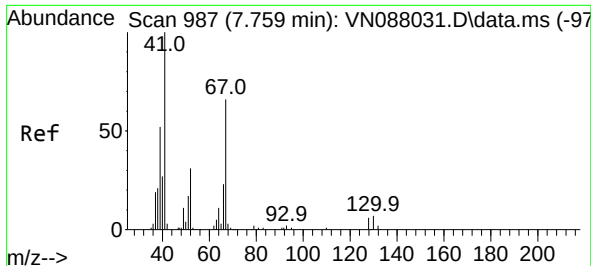
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#34
Benzene
Concen: 17.347 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 78 Resp: 245158
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3
51 20.8 15.6 23.4





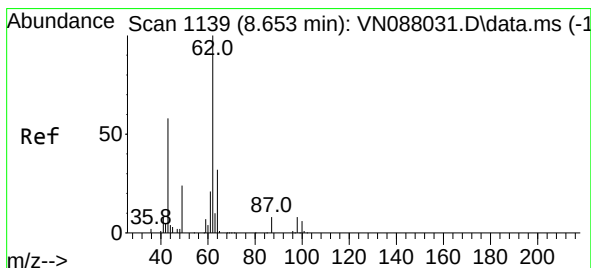
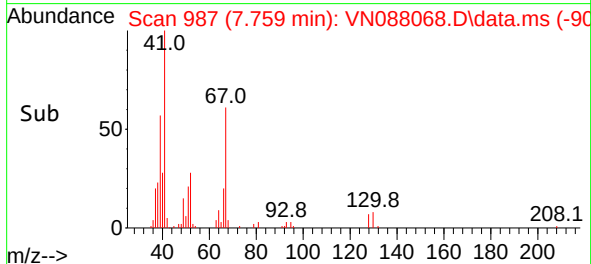
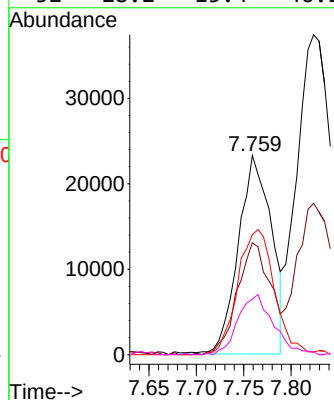
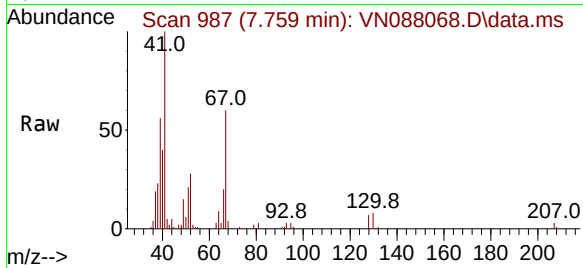
#35
Methacrylonitrile
Concen: 17.119 ug/l
RT: 7.759 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
Client Sample Id :
EFF-WWMS

Tgt Ion:	41	Resp:	5657
Ion Ratio	Lower	Upper	
41	100		
39	56.7	26.1	78.3
67	60.9	33.1	99.2
52	28.2	15.4	46.1

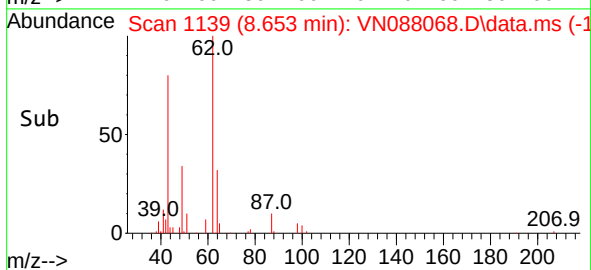
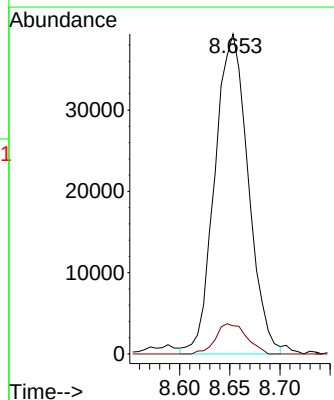
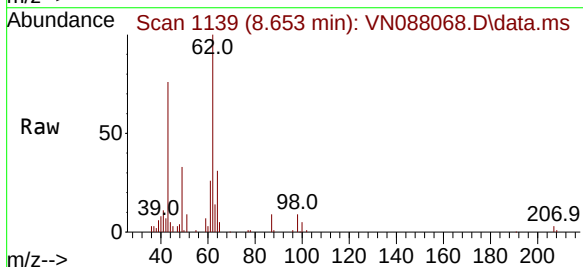
Manual Integrations
APPROVED

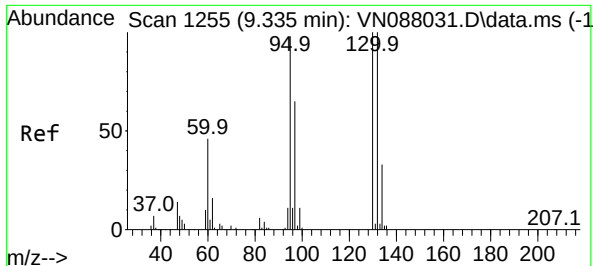
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#36
1,2-Dichloroethane
Concen: 18.559 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:	62	Resp:	91057
Ion Ratio	Lower	Upper	
62	100		
98	8.8	7.8	11.6





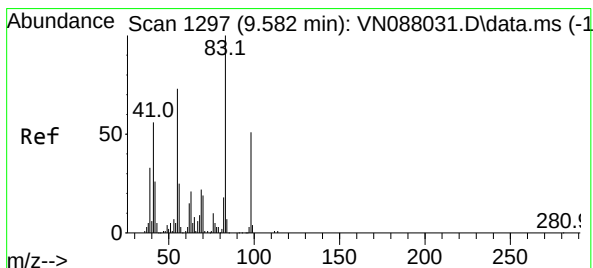
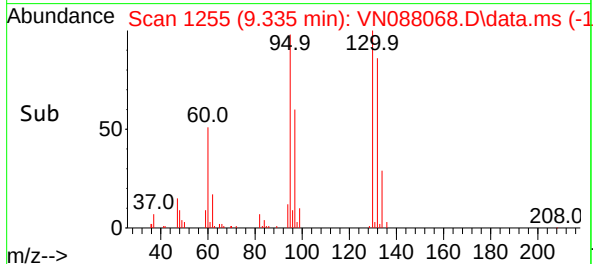
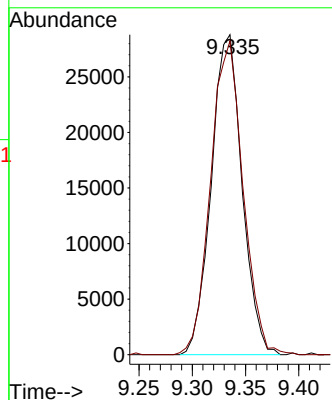
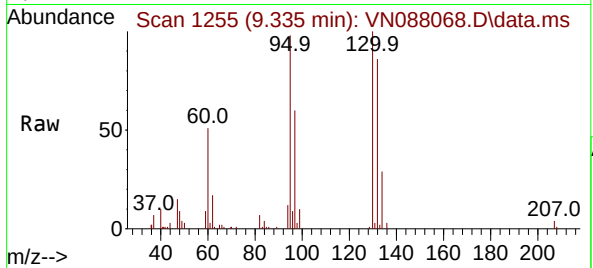
#37
 Trichloroethene
 Concen: 17.298 ug/l
 RT: 9.335 min Scan# 1255
 Delta R.T. 0.000 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Tgt Ion:130 Resp: 57919
 Ion Ratio Lower Upper
 130 100
 95 97.4 78.7 118.1

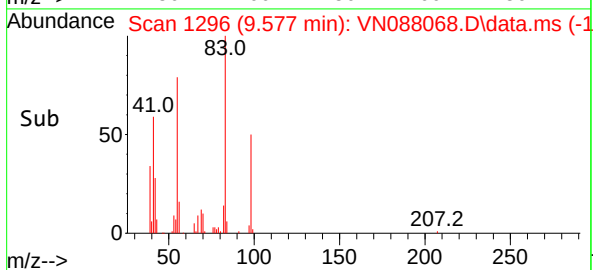
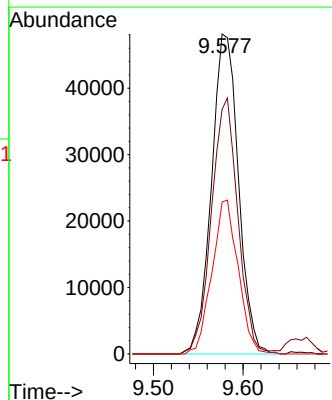
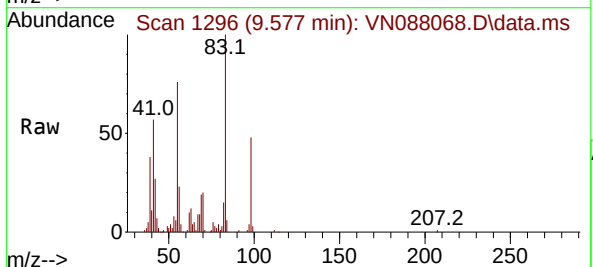
Manual Integrations
 APPROVED

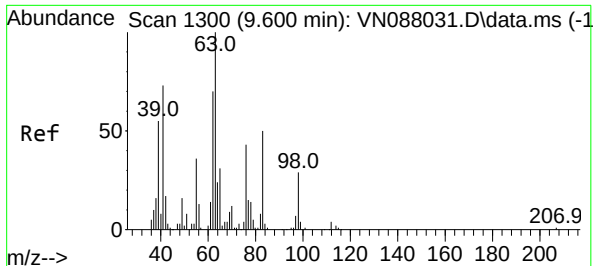
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#38
 Methylcyclohexane
 Concen: 19.136 ug/l
 RT: 9.577 min Scan# 1296
 Delta R.T. -0.006 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

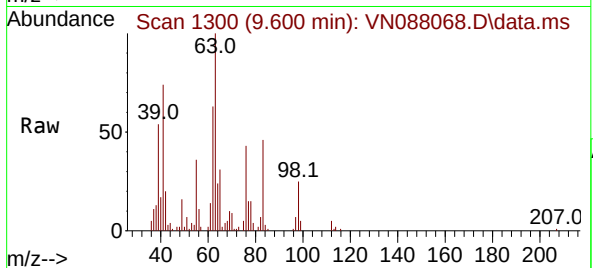
Tgt Ion: 83 Resp: 100687
 Ion Ratio Lower Upper
 83 100
 55 78.1 37.3 111.9
 98 46.5 25.4 76.0





#39
1,2-Dichloropropane
Concen: 17.828 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

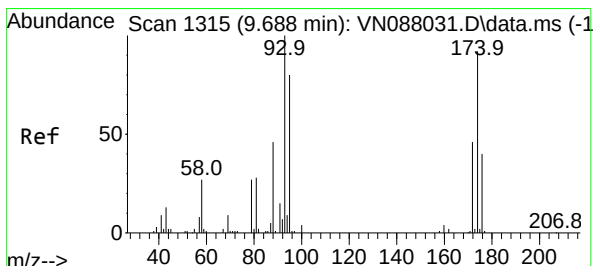
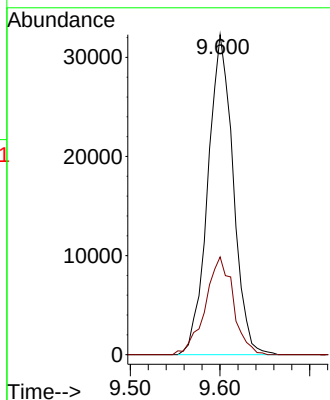
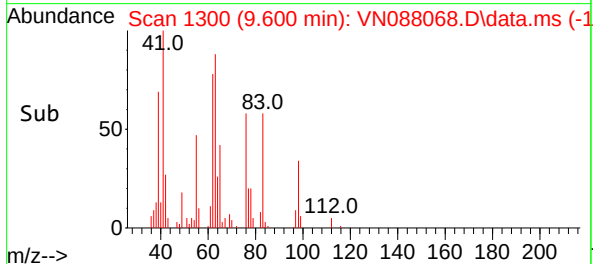
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 63 Resp: 63178
Ion Ratio Lower Upper
63 100
65 30.6 25.0 37.6

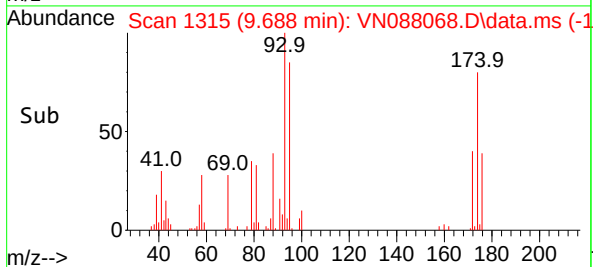
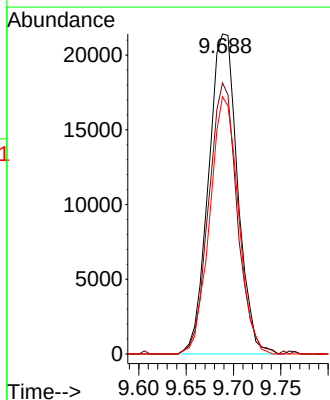
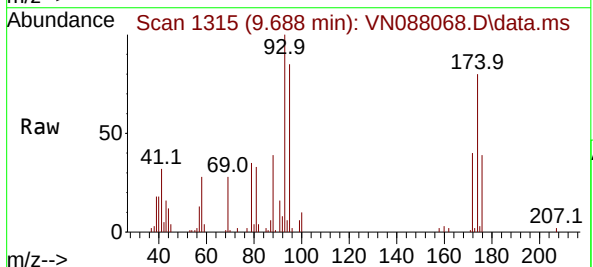
Manual Integrations
APPROVED

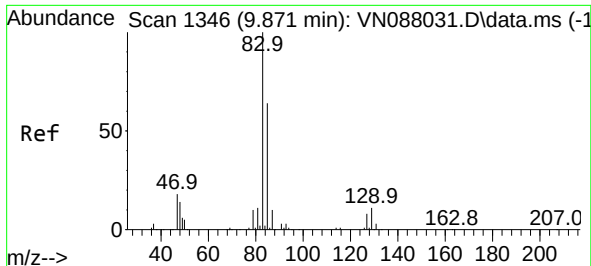
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#40
Dibromomethane
Concen: 17.778 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

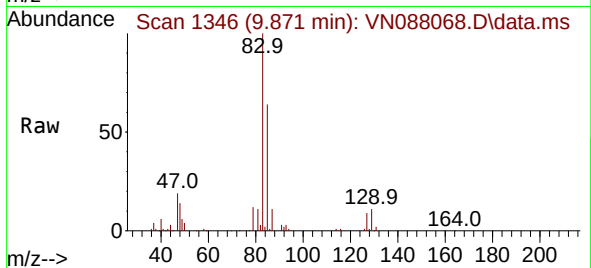
Tgt Ion: 93 Resp: 45857
Ion Ratio Lower Upper
93 100
95 82.7 0.0 158.6
174 78.7 0.0 180.8





#41
Bromodichloromethane
Concen: 19.098 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

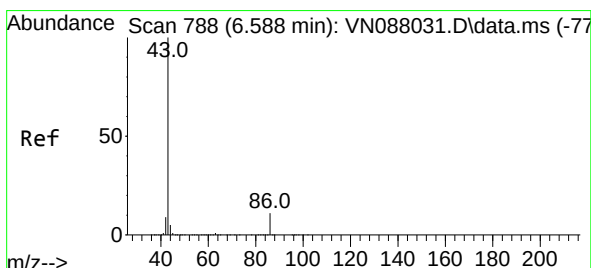
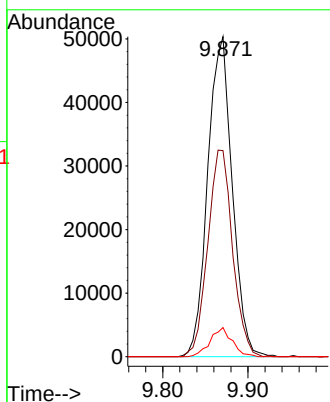
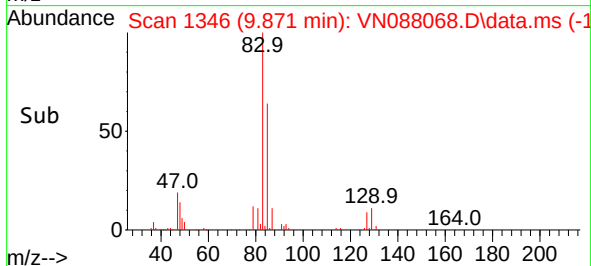
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 83 Resp: 100612
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.4
127 9.1 6.1 9.1

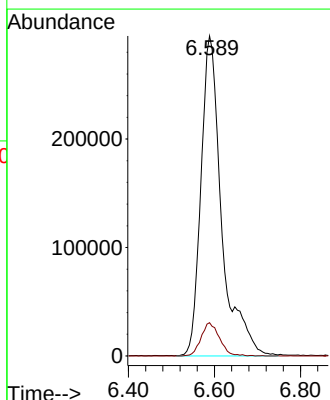
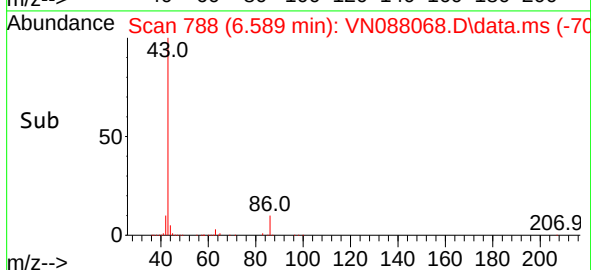
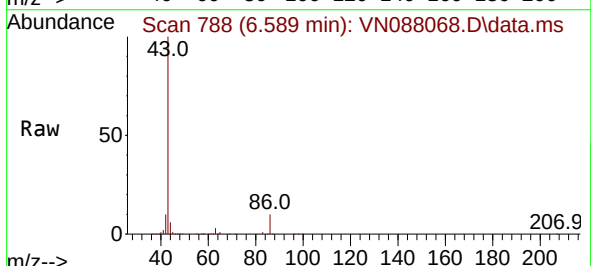
Manual Integrations
APPROVED

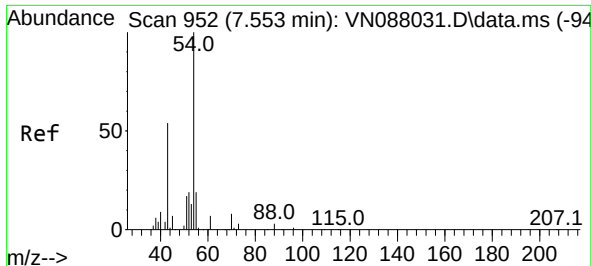
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#42
Vinyl Acetate
Concen: 92.284 ug/l m
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

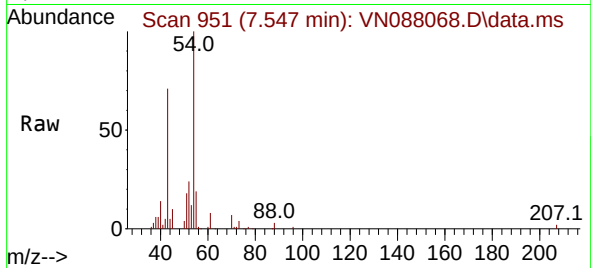
Tgt Ion: 43 Resp: 987928
Ion Ratio Lower Upper
43 100
86 9.1 8.4 12.6





#43
Ethyl Acetate
Concen: 18.122 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

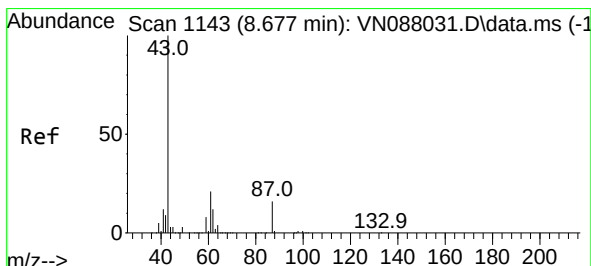
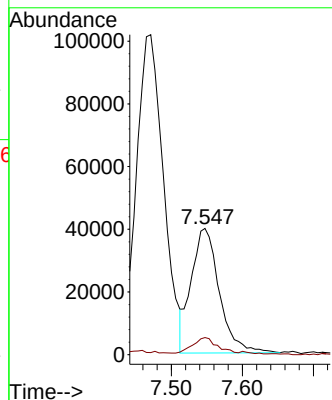
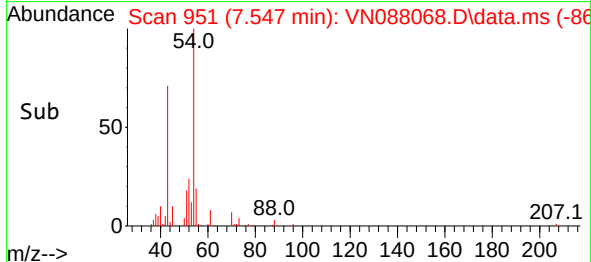
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 43 Resp: 10947
Ion Ratio Lower Upper
43 100
45 11.3 10.2 15.4

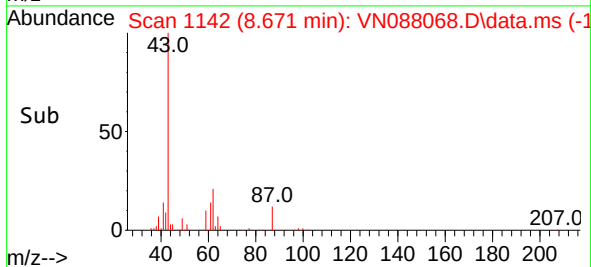
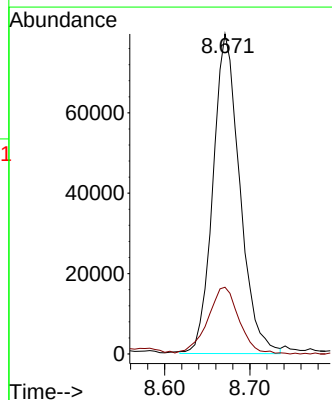
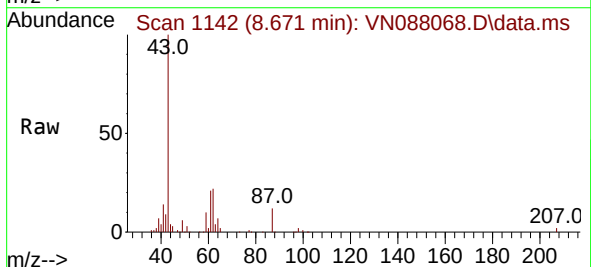
Manual Integrations
APPROVED

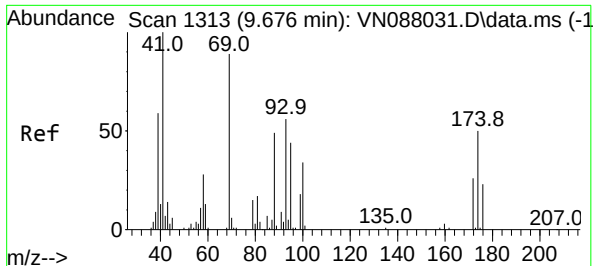
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#44
Isopropyl Acetate
Concen: 17.684 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

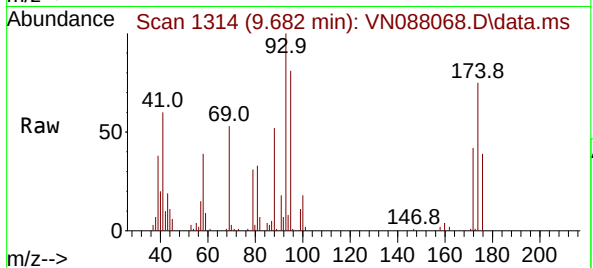
Tgt Ion: 43 Resp: 174478
Ion Ratio Lower Upper
43 100
61 24.2 18.7 28.1





#45
1,4-Dioxane
Concen: 370.259 ug/l
RT: 9.682 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

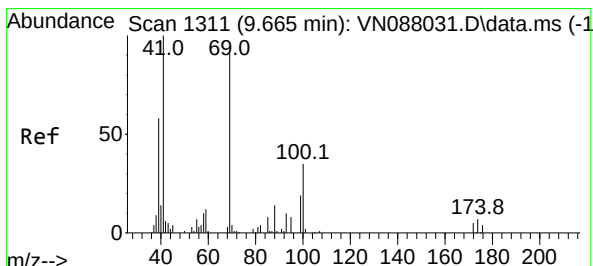
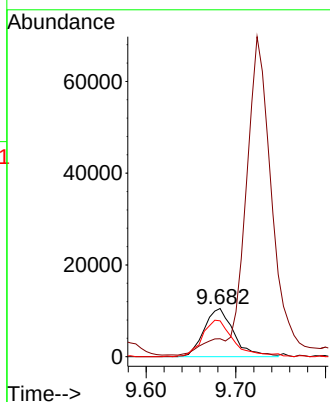
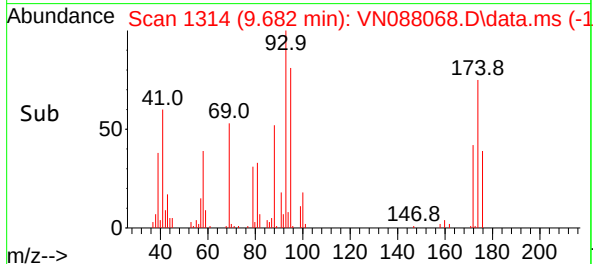
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



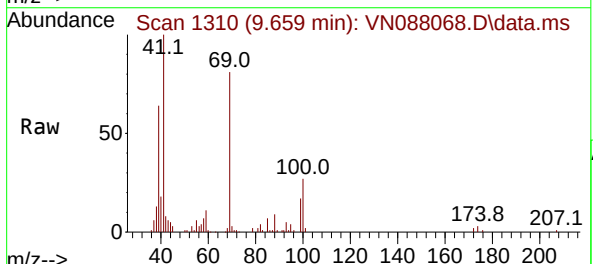
Tgt Ion: 88 Resp: 24290
Ion Ratio Lower Upper
88 100
43 28.5 18.6 27.8
58 77.2 57.4 86.2

Manual Integrations
APPROVED

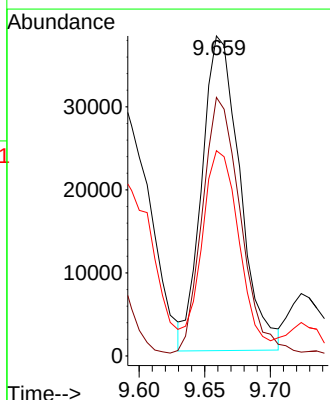
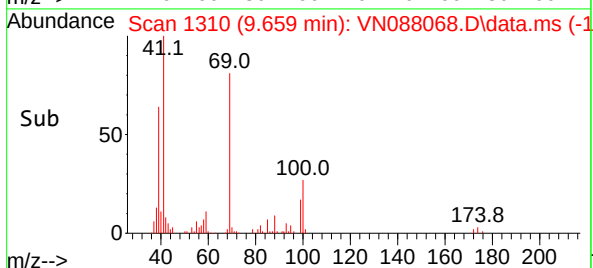
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

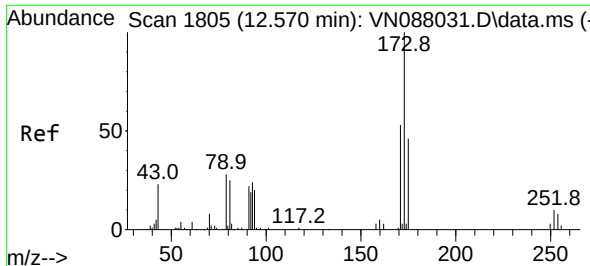


#46
Methyl methacrylate
Concen: 17.617 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



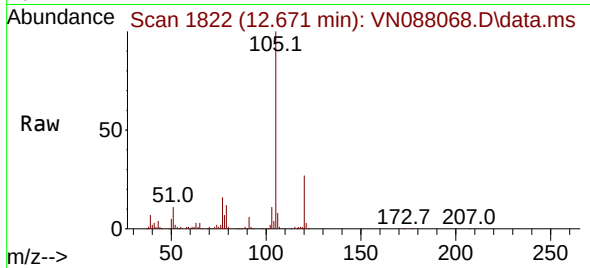
Tgt Ion: 41 Resp: 76543
Ion Ratio Lower Upper
41 100
69 86.4 44.9 134.7
39 63.9 30.3 90.8





#47
n-amy1 Acetate
Concen: 22.670 ug/l m
RT: 12.671 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

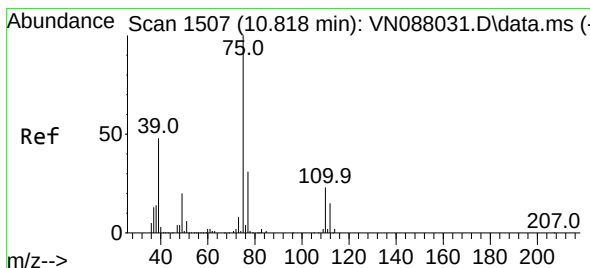
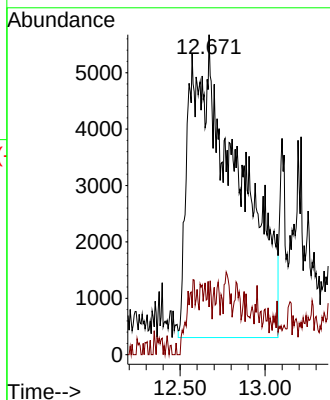
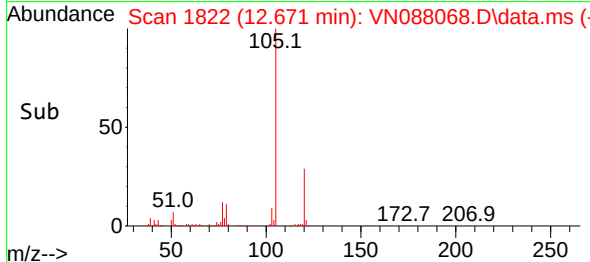
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 43 Resp: 106012
Ion Ratio Lower Upper
43 100
55 1.1 0.6 0.8

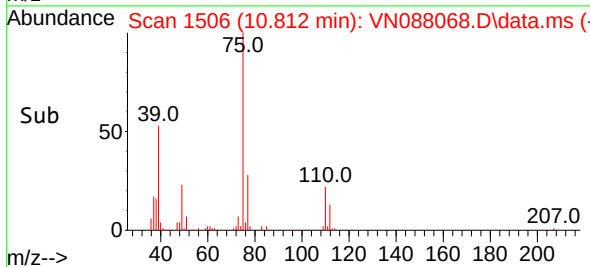
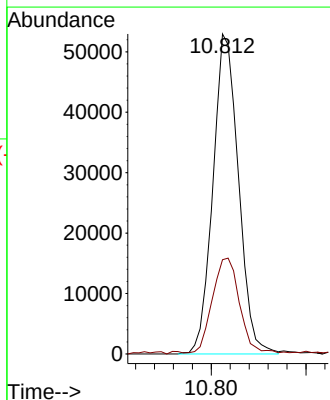
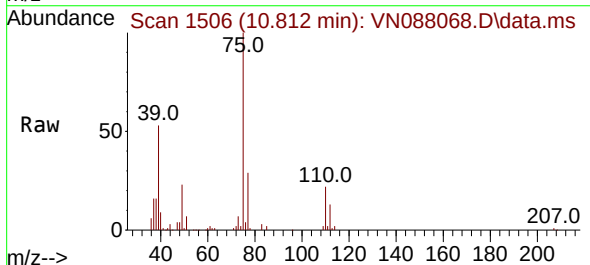
Manual Integrations
APPROVED

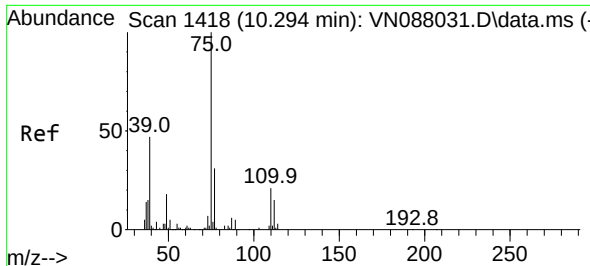
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#48
t-1,3-Dichloropropene
Concen: 16.941 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

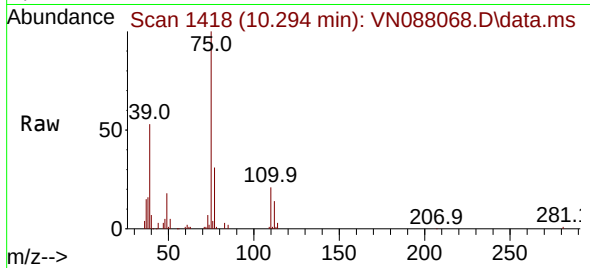
Tgt Ion: 75 Resp: 99242
Ion Ratio Lower Upper
75 100
77 29.1 24.5 36.7





#49
cis-1,3-Dichloropropene
Concen: 17.124 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

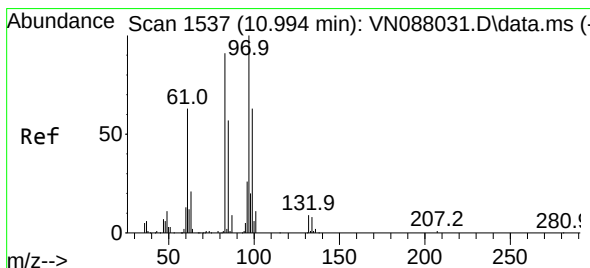
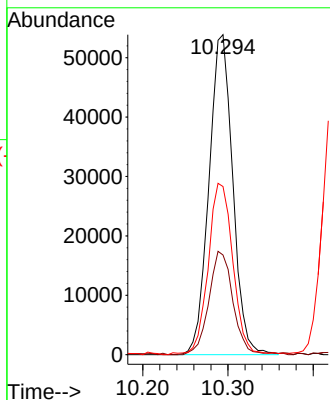
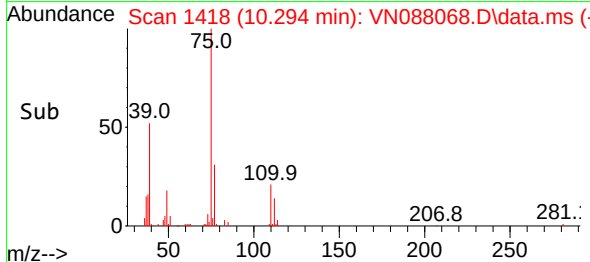
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 75 Resp: 104638
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
39 52.2 37.4 56.0

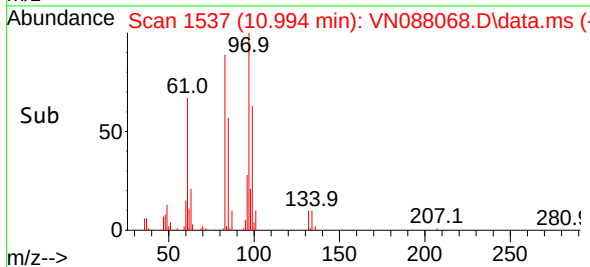
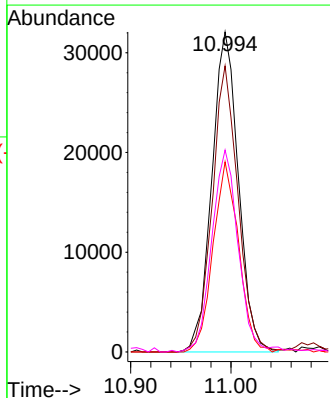
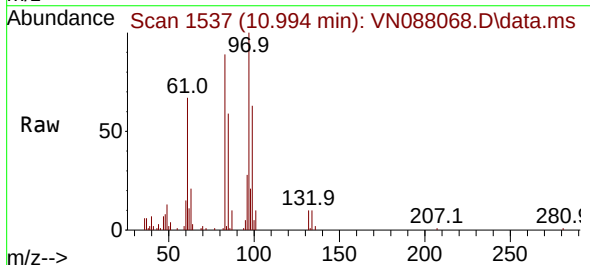
Manual Integrations
APPROVED

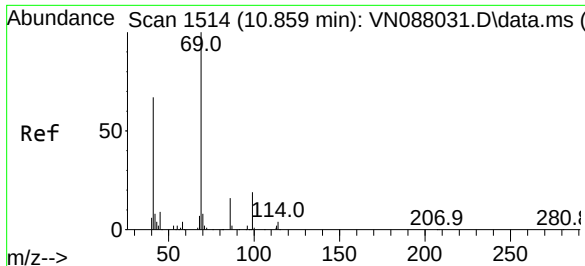
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#50
1,1,2-Trichloroethane
Concen: 17.284 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

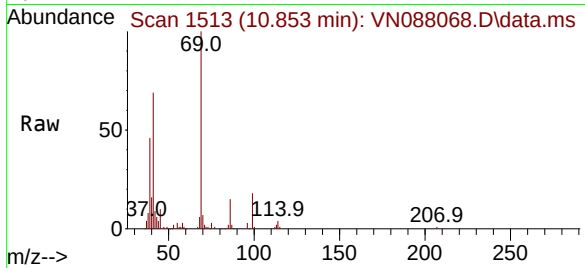
Tgt Ion: 97 Resp: 59043
Ion Ratio Lower Upper
97 100
83 89.4 72.5 108.7
85 59.4 45.5 68.3
99 63.1 50.0 75.0





#51
Ethyl methacrylate
Concen: 16.983 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

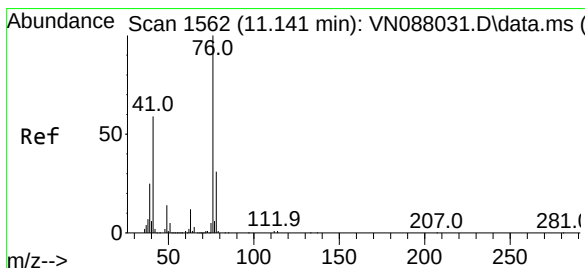
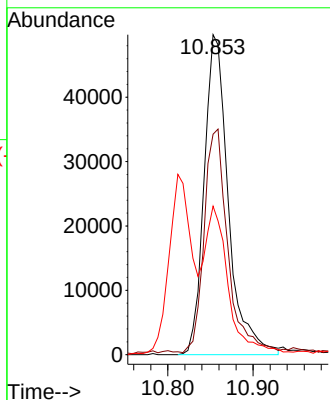
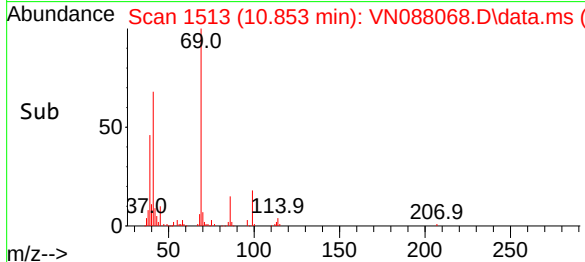
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 69 Resp: 9818
Ion Ratio Lower Upper
69 100
41 68.0 33.3 99.8
39 44.7 20.3 61.0

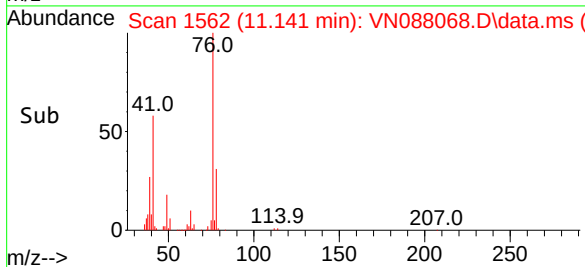
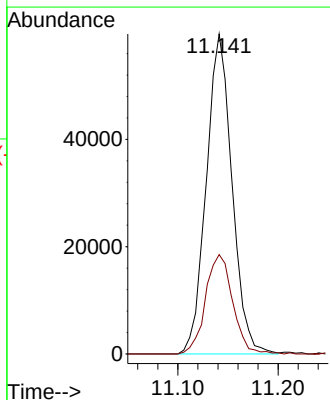
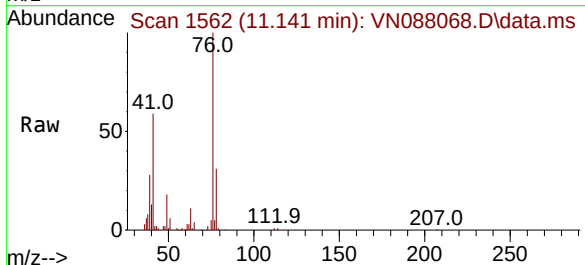
Manual Integrations
APPROVED

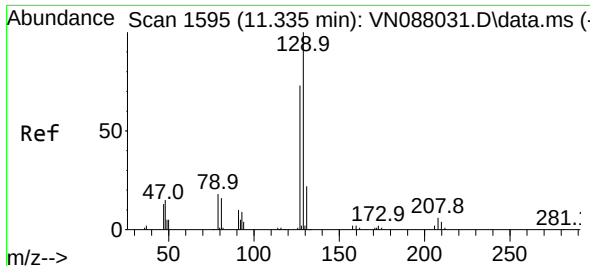
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#52
1,3-Dichloropropane
Concen: 17.841 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

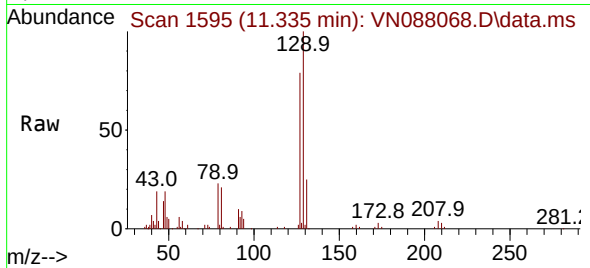
Tgt Ion: 76 Resp: 106331
Ion Ratio Lower Upper
76 100
78 32.7 0.0 65.0





#53
Dibromochloromethane
Concen: 17.059 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

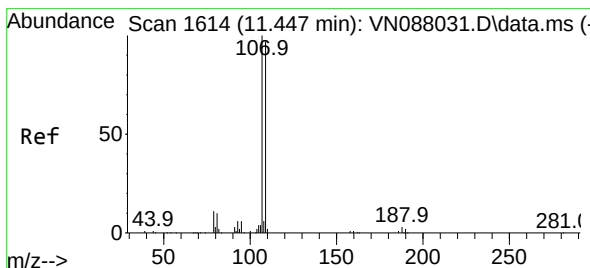
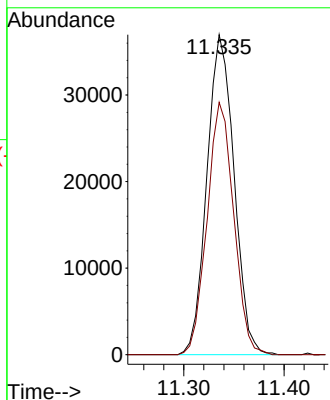
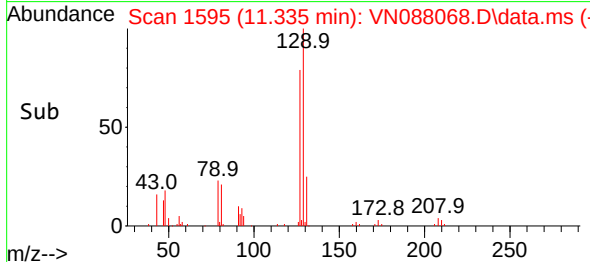
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



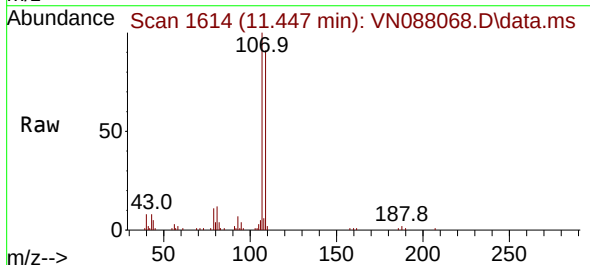
Tgt Ion:129 Resp: 69660
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3

Manual Integrations
APPROVED

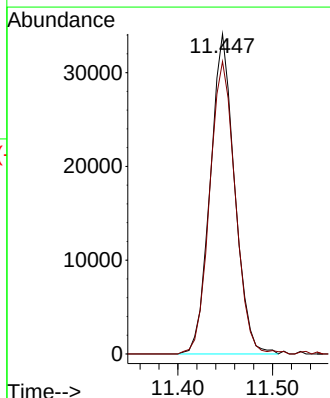
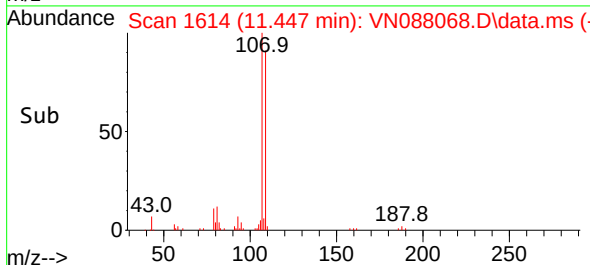
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

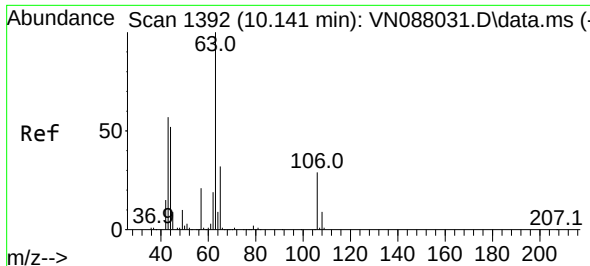


#54
1,2-Dibromoethane
Concen: 16.671 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



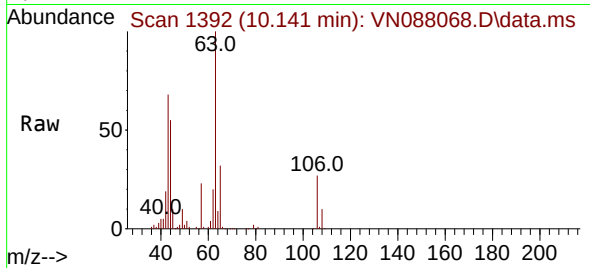
Tgt Ion:107 Resp: 60881
Ion Ratio Lower Upper
107 100
109 95.4 75.5 113.3





#55
2-Chloroethyl vinyl ether
Concen: 37.765 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

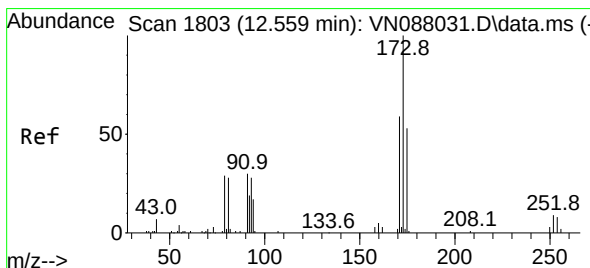
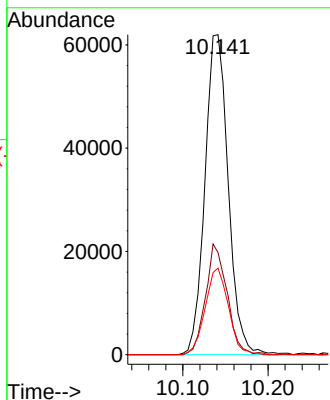
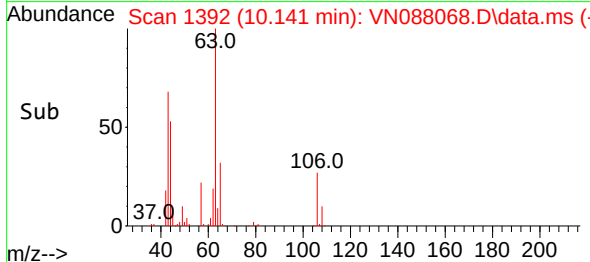
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 63 Resp: 11784
Ion Ratio Lower Upper
63 100
65 31.7 25.7 38.5
106 26.8 22.6 34.0

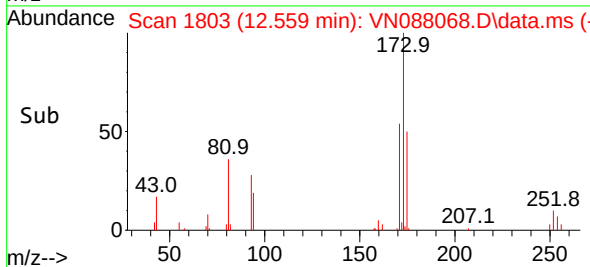
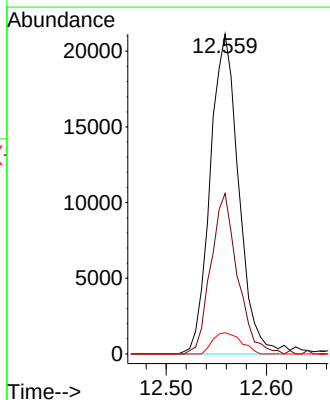
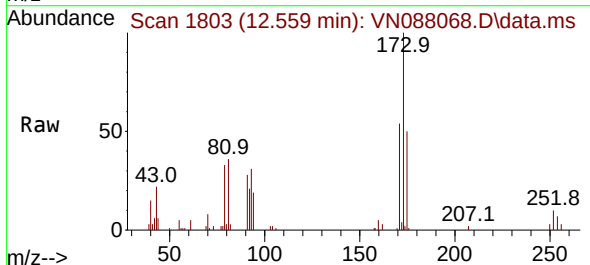
Manual Integrations
APPROVED

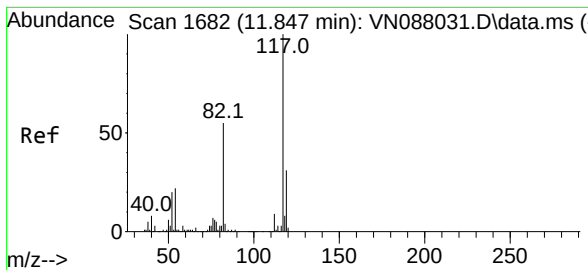
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#56
Bromoform
Concen: 15.083 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

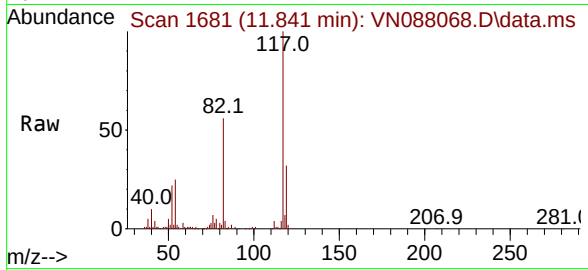
Tgt Ion:173 Resp: 41642
Ion Ratio Lower Upper
173 100
175 47.0 39.6 59.4
254 6.7 6.6 10.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1184
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

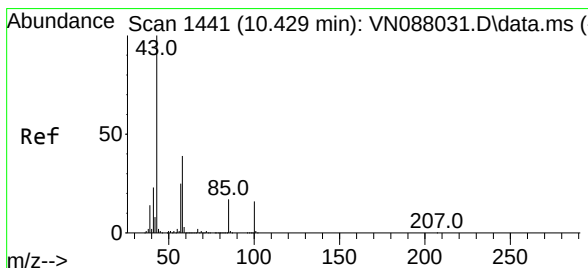
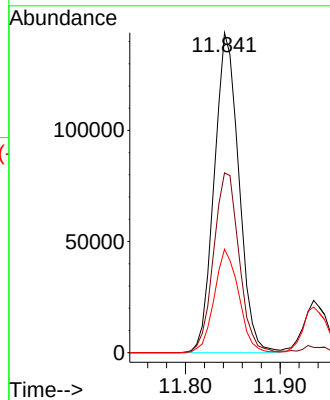
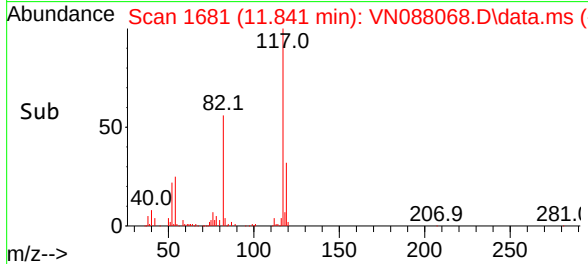
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:117 Resp: 26036
Ion Ratio Lower Upper
117 100
82 58.2 45.2 67.8
119 32.3 25.9 38.9

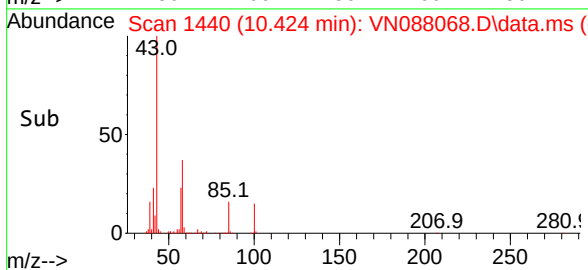
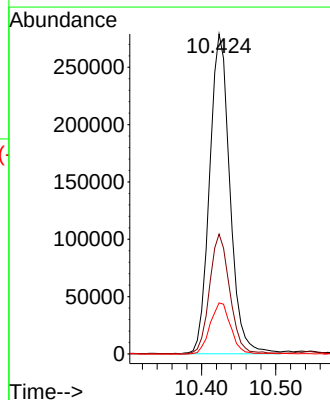
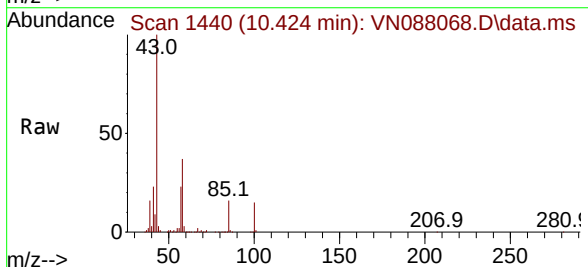
Manual Integrations
APPROVED

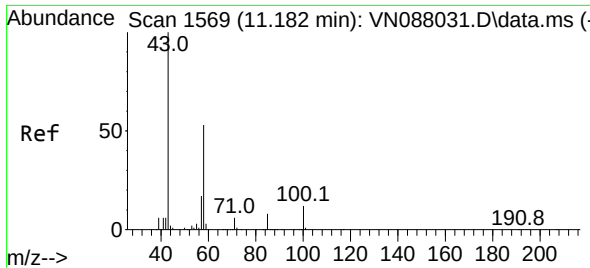
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#58
4-Methyl-2-Pentanone
Concen: 91.427 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 43 Resp: 532449
Ion Ratio Lower Upper
43 100
58 37.3 31.2 46.8
85 16.1 13.7 20.5





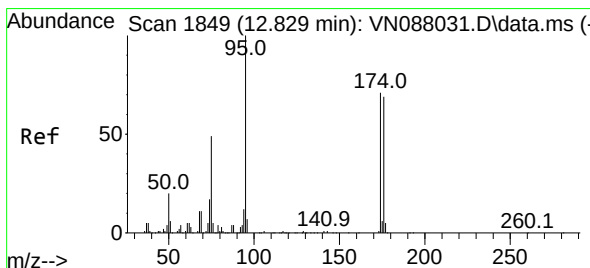
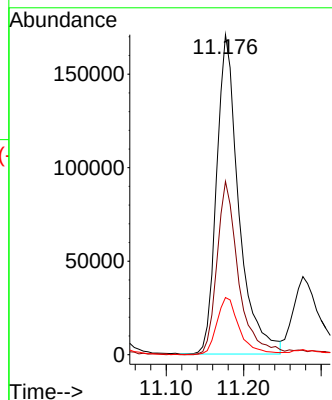
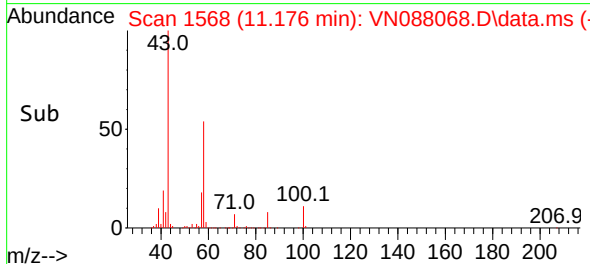
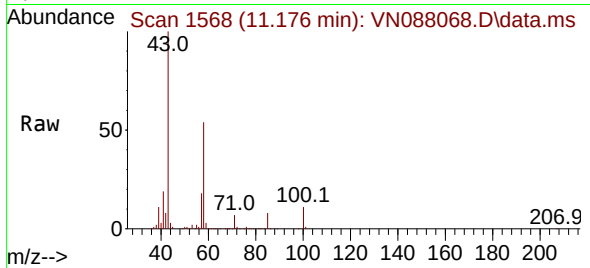
#59
2-Hexanone
Concen: 88.725 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 43 Resp: 34115
Ion Ratio Lower Upper
43 100
58 52.5 43.1 64.7
57 18.0 14.6 21.8

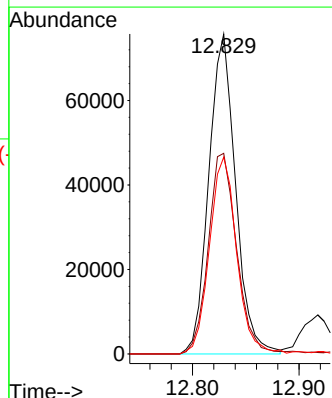
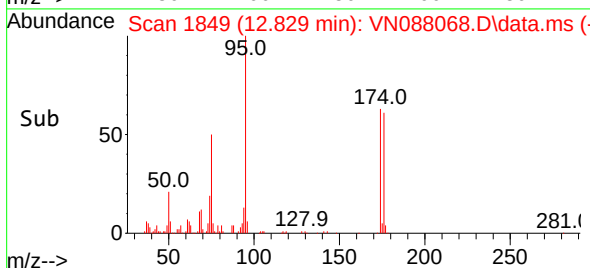
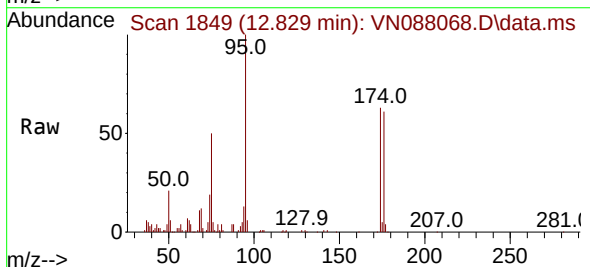
Manual Integrations
APPROVED

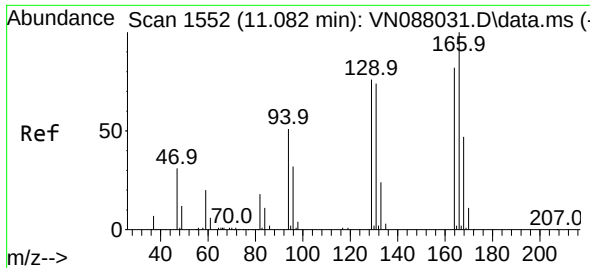
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#60
4-Bromofluorobenzene
Concen: 30.800 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

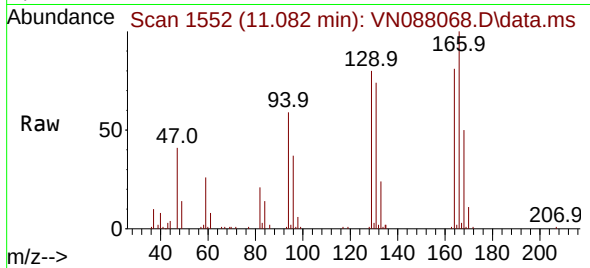
Tgt Ion: 95 Resp: 132200
Ion Ratio Lower Upper
95 100
174 66.1 57.4 86.0
176 62.2 57.0 85.4





#61
Tetrachloroethene
Concen: 17.334 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

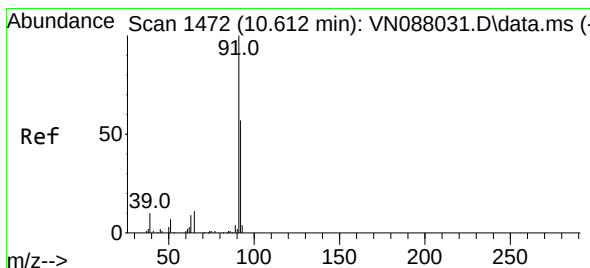
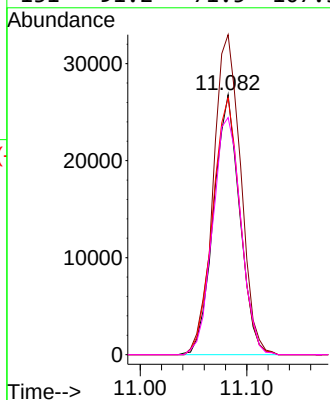
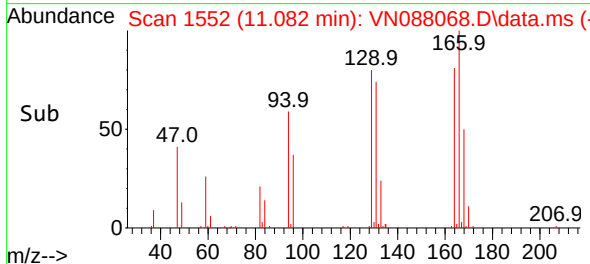
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:164 Resp: 45704
Ion Ratio Lower Upper
164 100
166 123.1 97.2 145.8
129 98.7 73.7 110.5
131 91.2 71.5 107.3

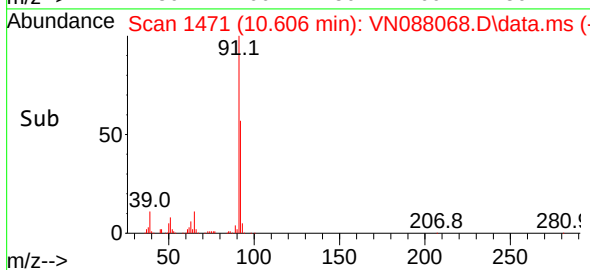
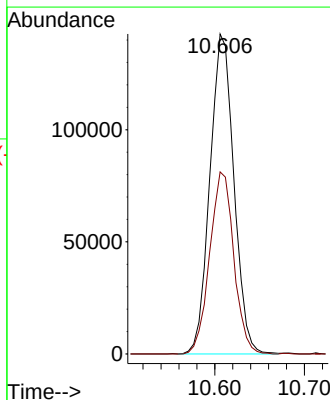
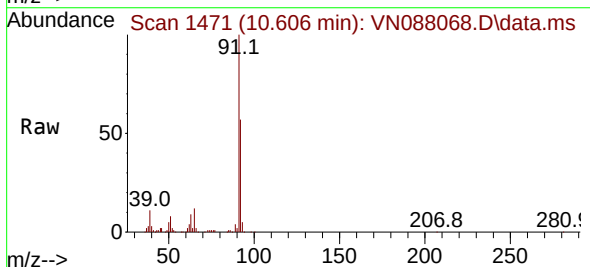
Manual Integrations
APPROVED

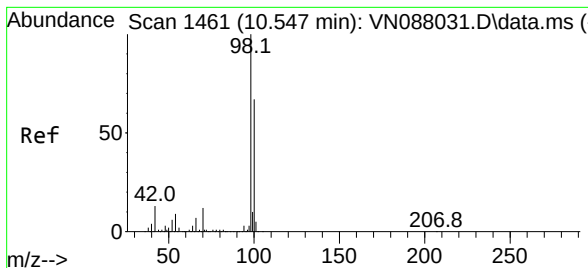
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#62
Toluene
Concen: 17.931 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

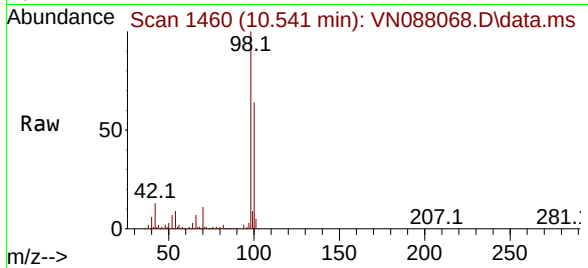
Tgt Ion: 91 Resp: 264818
Ion Ratio Lower Upper
91 100
92 57.1 45.8 68.8





#63
Toluene-d8
Concen: 31.535 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

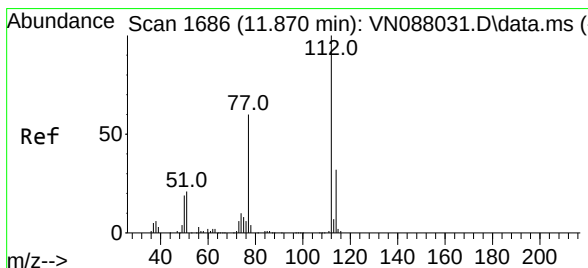
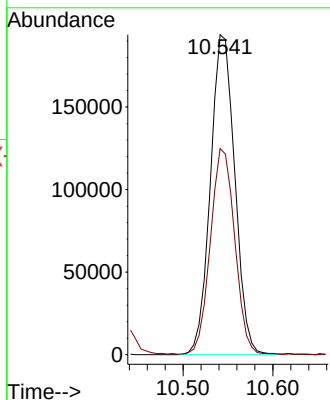
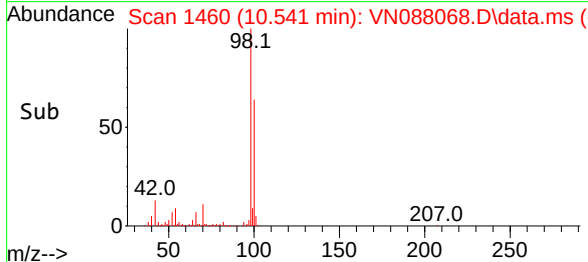
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 98 Resp: 365815
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

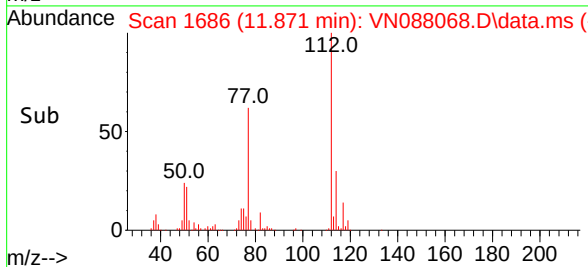
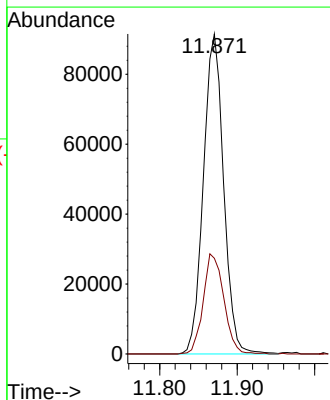
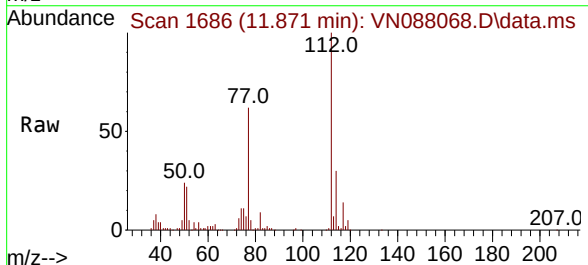
Manual Integrations
APPROVED

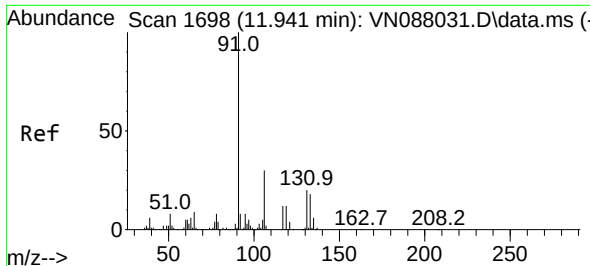
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#64
Chlorobenzene
Concen: 17.587 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:112 Resp: 165907
Ion Ratio Lower Upper
112 100
114 29.9 25.7 38.5





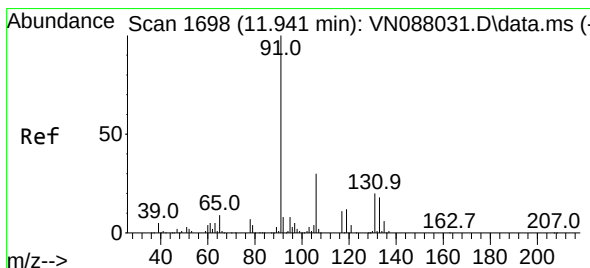
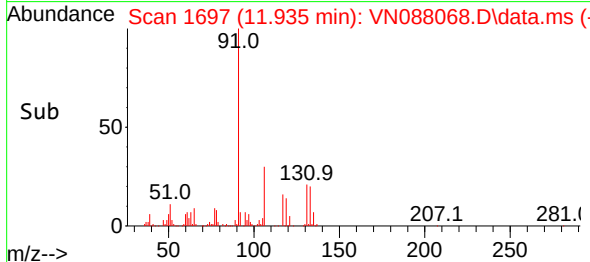
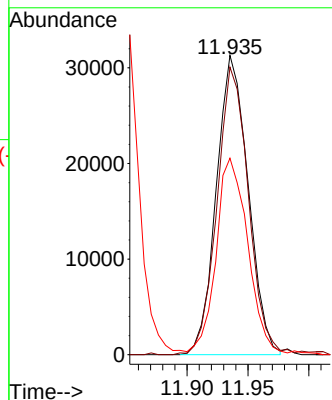
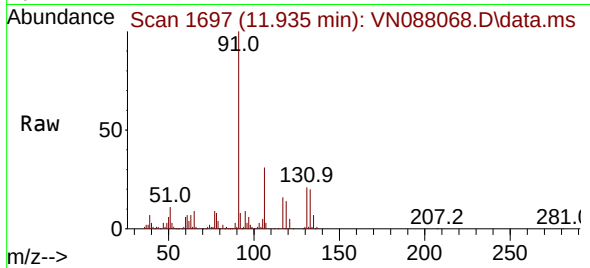
#65
1,1,1,2-Tetrachloroethane
Concen: 17.494 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:131 Resp: 56872
Ion Ratio Lower Upper
131 100
133 94.8 0.0 183.8
119 65.5 0.0 132.0

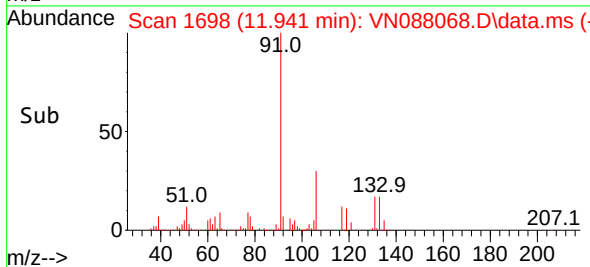
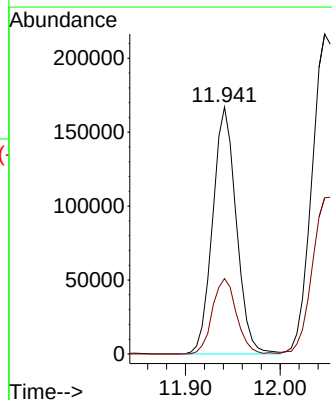
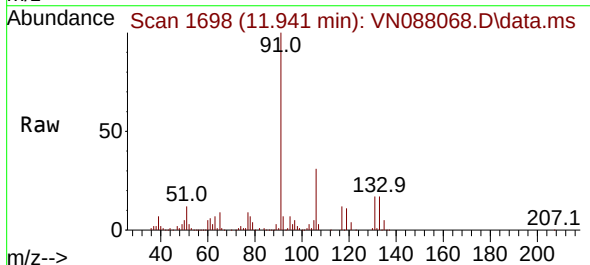
Manual Integrations
APPROVED

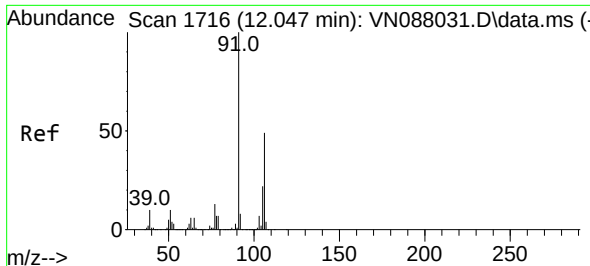
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#66
Ethyl Benzene
Concen: 18.035 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 91 Resp: 289621
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0





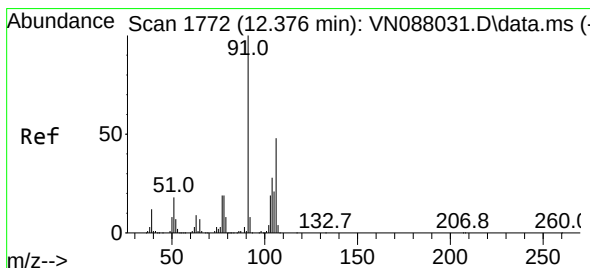
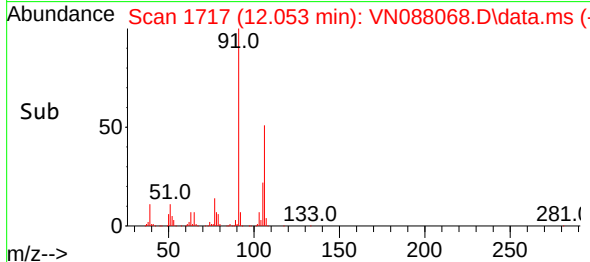
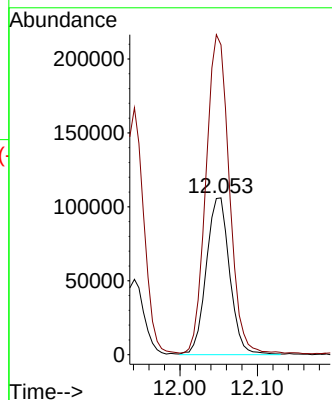
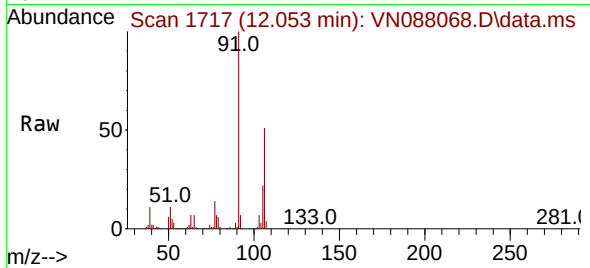
#67
m/p-Xylenes
Concen: 35.991 ug/l
RT: 12.053 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:106 Resp: 222818
Ion Ratio Lower Upper
106 100
91 203.2 161.4 242.0

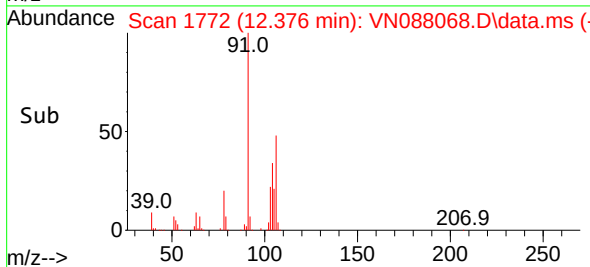
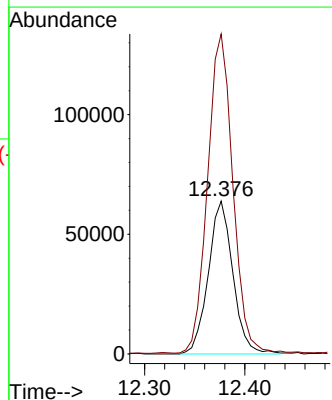
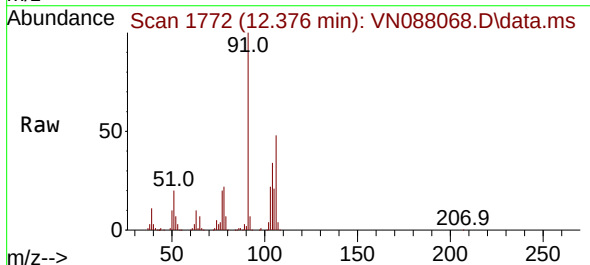
Manual Integrations
APPROVED

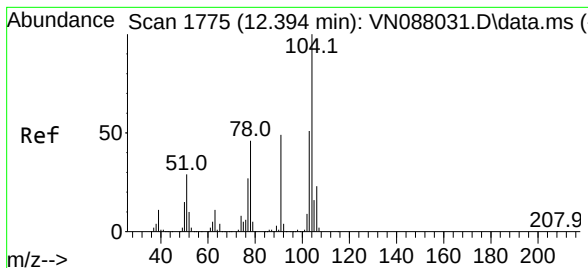
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#68
o-Xylene
Concen: 17.665 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:106 Resp: 108867
Ion Ratio Lower Upper
106 100
91 216.3 105.2 315.6





#69

Styrene

Concen: 17.296 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

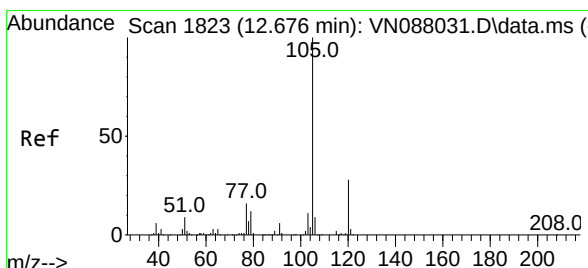
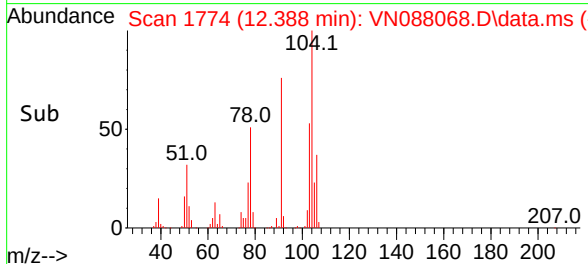
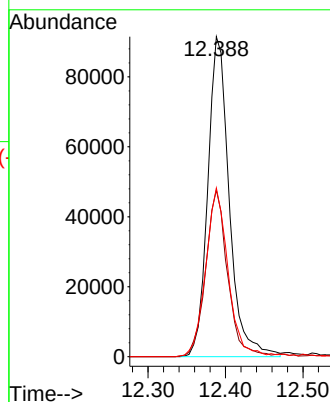
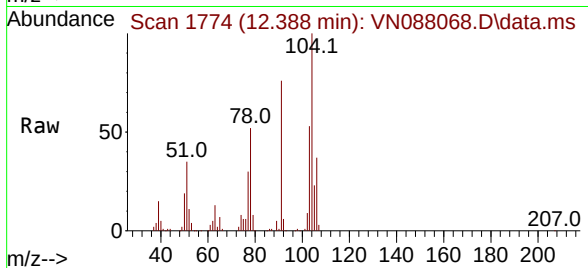
Tgt Ion:	104	Resp:	176336
Ion Ratio	Lower	Upper	
104	100		
78	52.9	41.8	62.6
103	54.6	44.9	67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#70

Isopropylbenzene

Concen: 18.228 ug/l

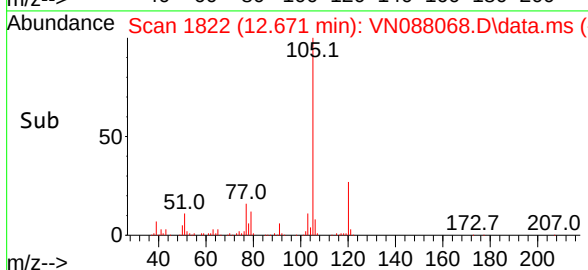
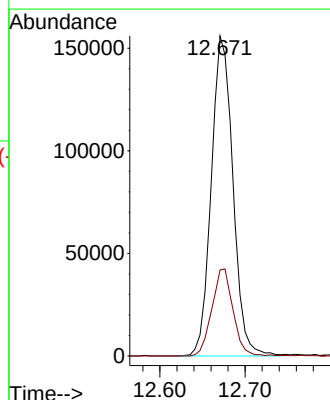
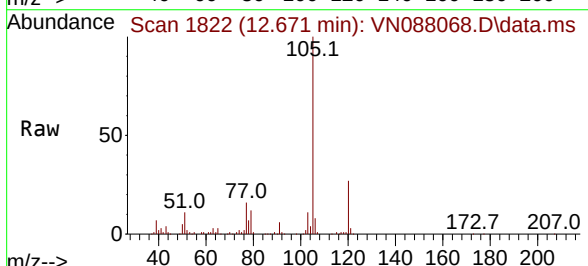
RT: 12.671 min Scan# 1822

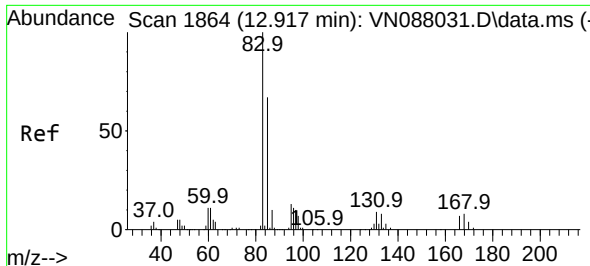
Delta R.T. -0.006 min

Lab File: VN088068.D

Acq: 17 Oct 2025 15:39

Tgt Ion:	105	Resp:	275336
Ion Ratio	Lower	Upper	
105	100		
120	26.4	19.1	35.5





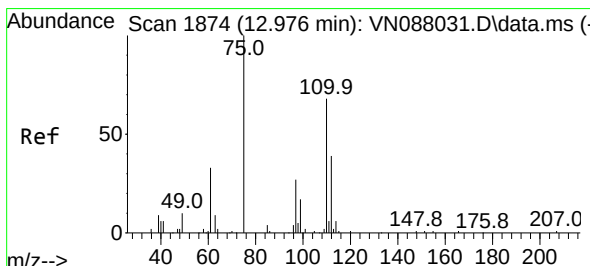
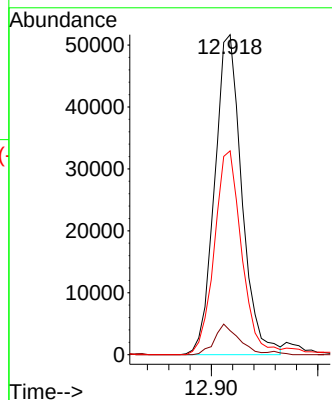
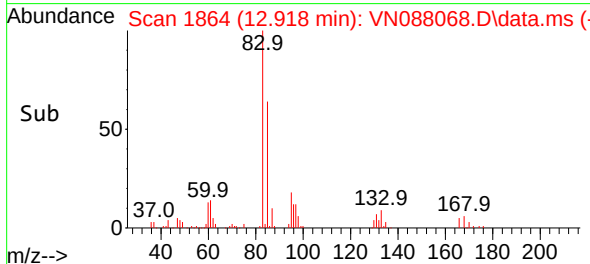
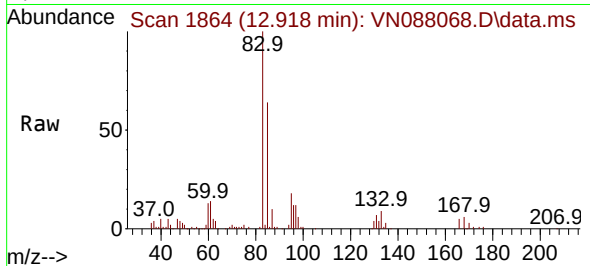
#71
1,1,2,2-Tetrachloroethane
Concen: 17.858 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 83 Resp: 9145
Ion Ratio Lower Upper
83 100
131 8.4 4.8 14.3
85 63.9 32.4 97.2

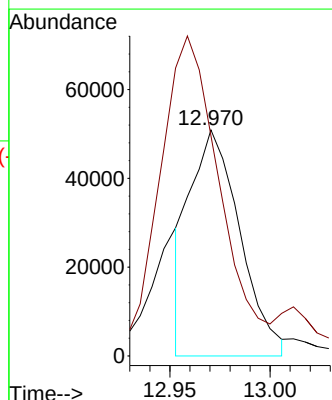
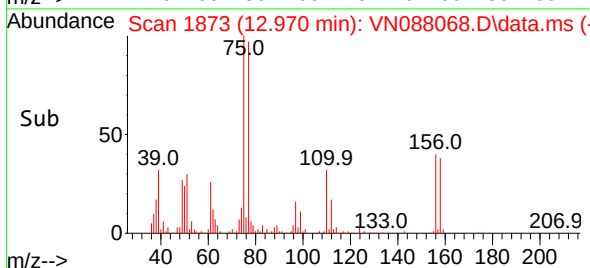
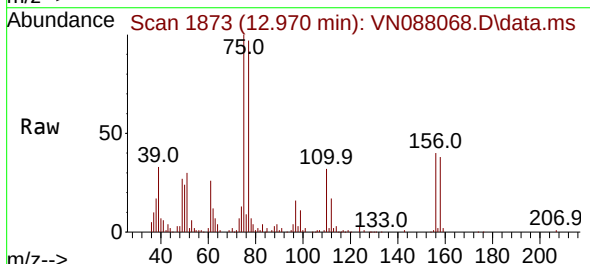
Manual Integrations
APPROVED

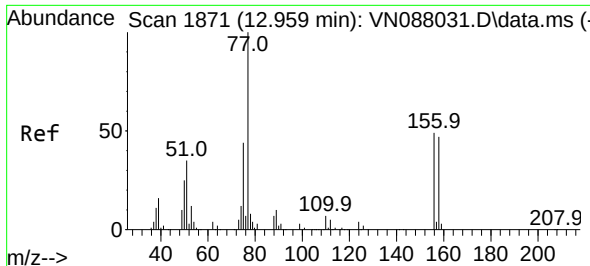
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#72
1,2,3-Trichloropropane
Concen: 18.545 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 75 Resp: 88199
Ion Ratio Lower Upper
75 100
77 171.8 0.0 364.0





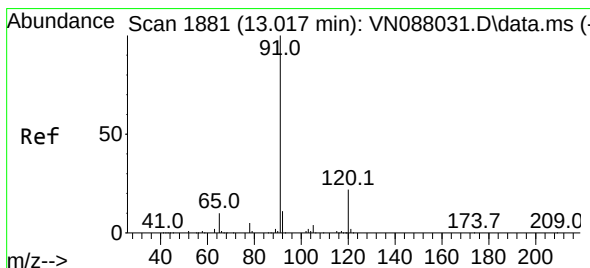
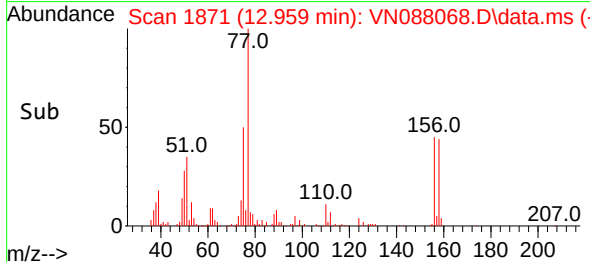
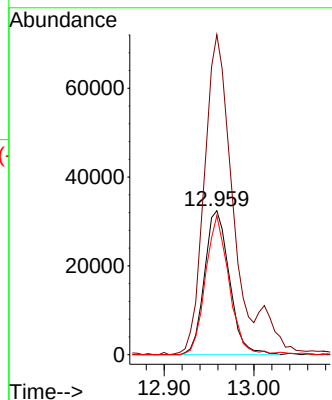
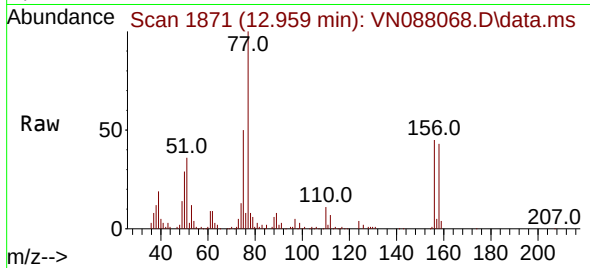
#73
Bromobenzene
Concen: 16.914 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:156 Resp: 6244
Ion Ratio Lower Upper
156 100
77 242.6 0.0 439.8
158 90.2 0.0 190.0

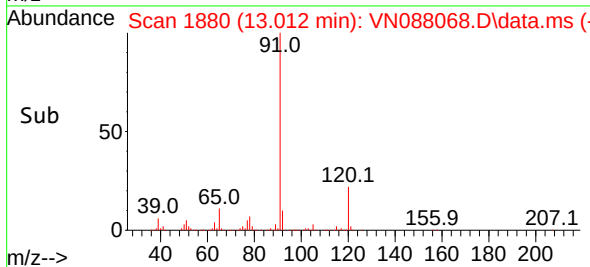
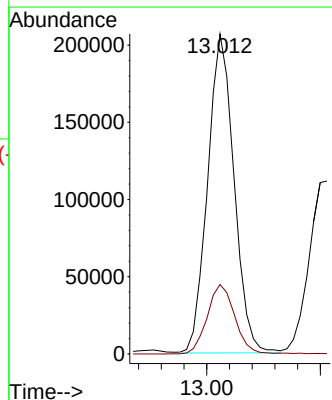
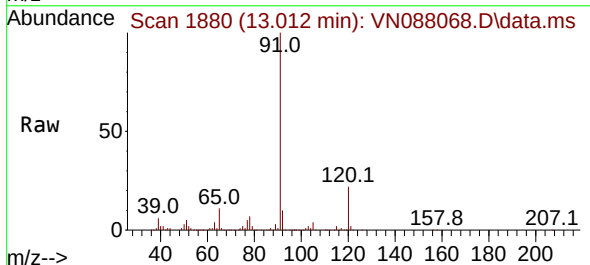
Manual Integrations
APPROVED

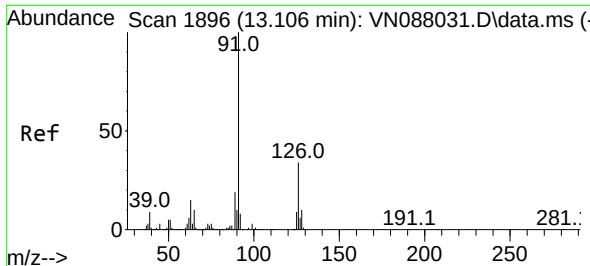
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#74
n-propylbenzene
Concen: 18.251 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

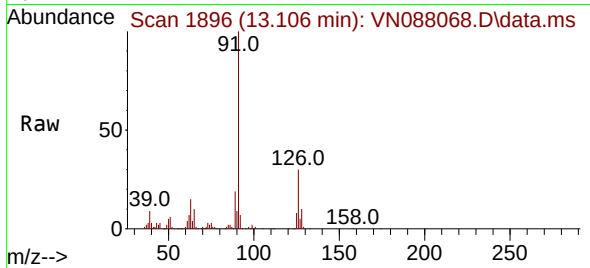
Tgt Ion: 91 Resp: 332803
Ion Ratio Lower Upper
91 100
120 22.6 0.0 46.2





#75
2-Chlorotoluene
Concen: 17.987 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

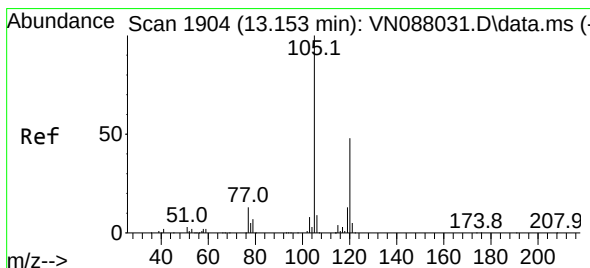
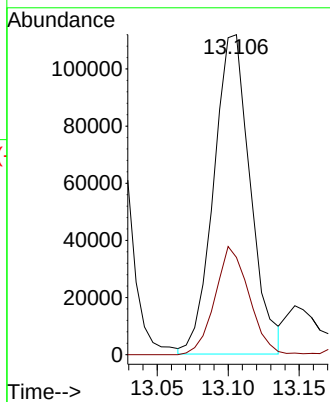
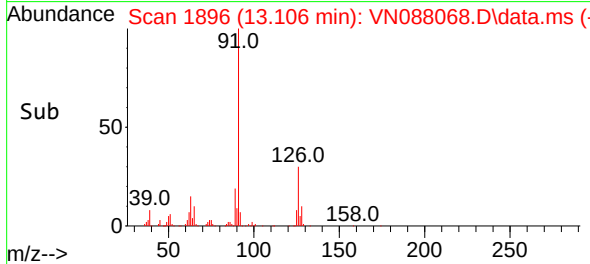
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 91 Resp: 200540
Ion Ratio Lower Upper
91 100
126 31.7 0.0 66.6

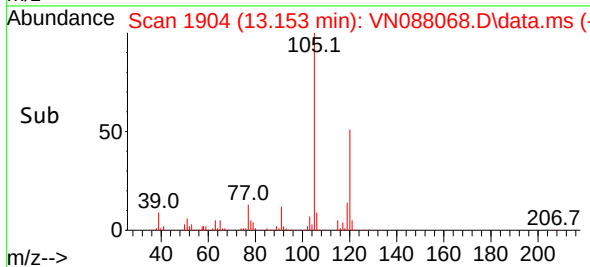
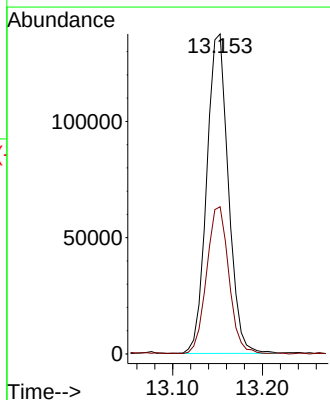
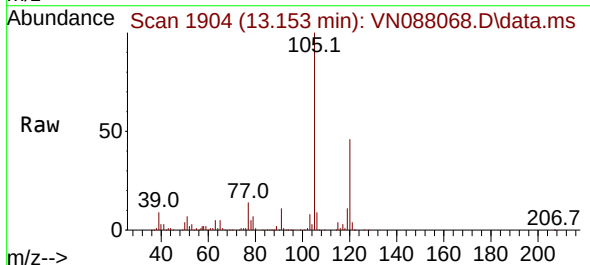
Manual Integrations
APPROVED

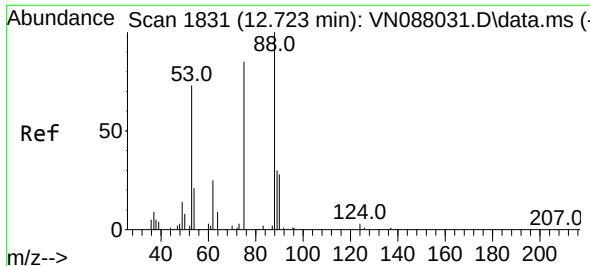
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.947 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

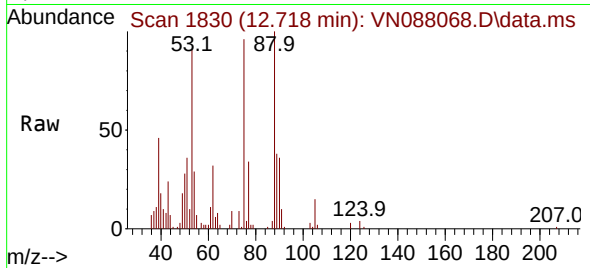
Tgt Ion:105 Resp: 230269
Ion Ratio Lower Upper
105 100
120 47.5 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 15.594 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

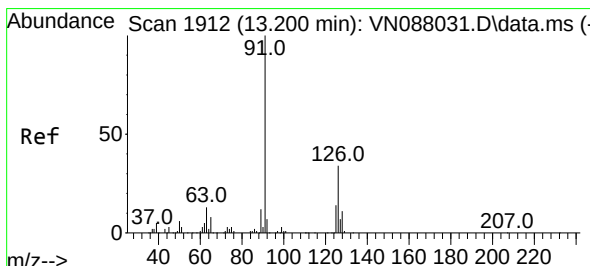
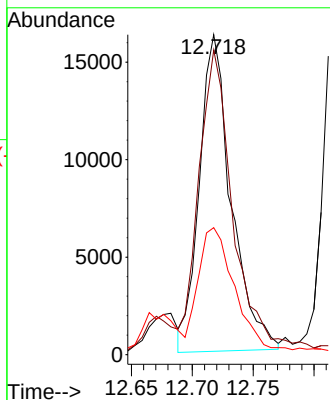
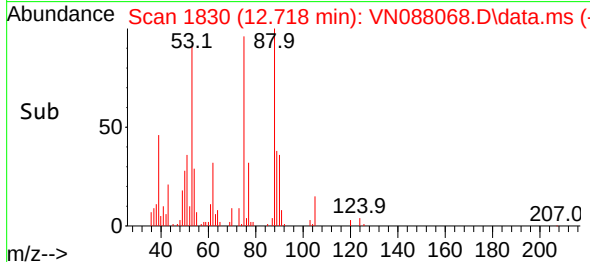
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 75 Resp: 29550
Ion Ratio Lower Upper
75 100
53 93.5 41.8 125.3
89 38.9 19.9 59.6

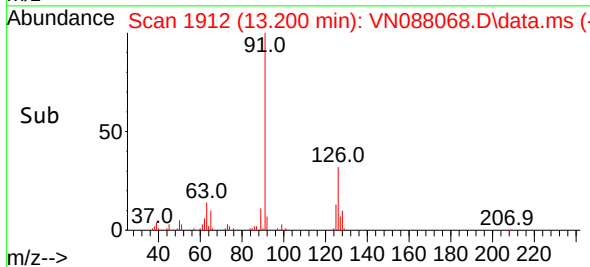
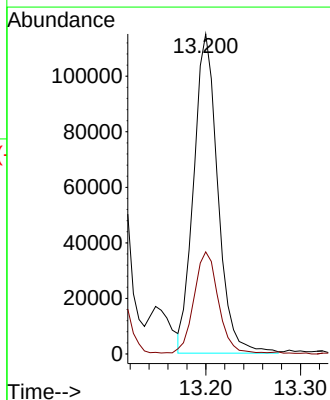
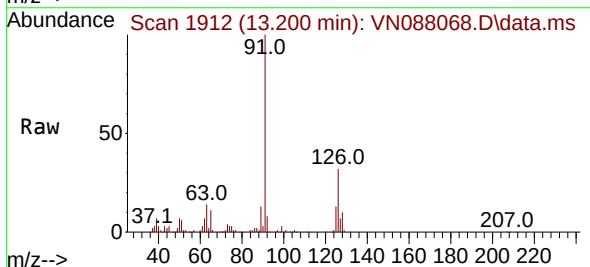
Manual Integrations
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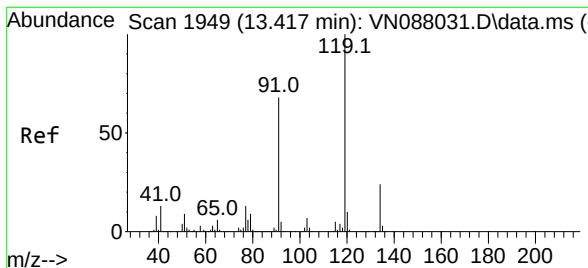
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#78
4-Chlorotoluene
Concen: 17.980 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion: 91 Resp: 203667
Ion Ratio Lower Upper
91 100
126 32.6 0.0 68.8





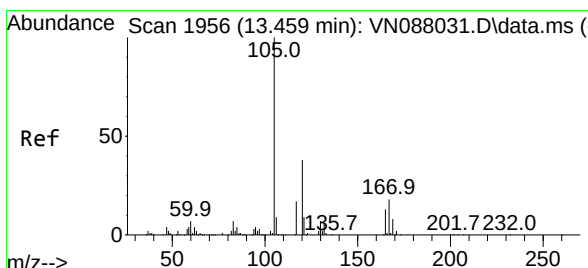
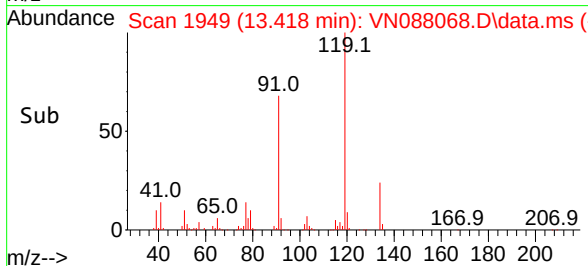
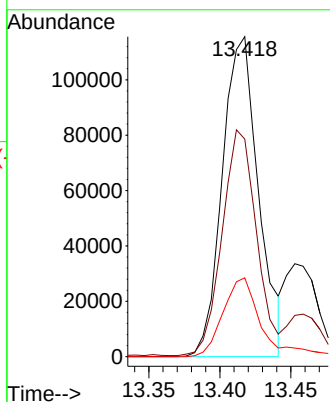
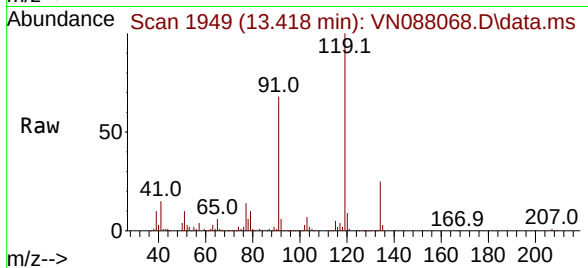
#79
tert-butylbenzene
Concen: 18.425 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:119 Resp: 204930
Ion Ratio Lower Upper
119 100
91 66.9 0.0 132.4
134 23.5 0.0 48.6

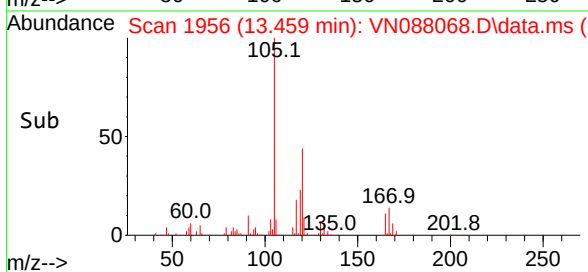
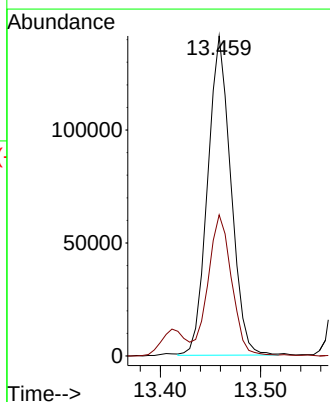
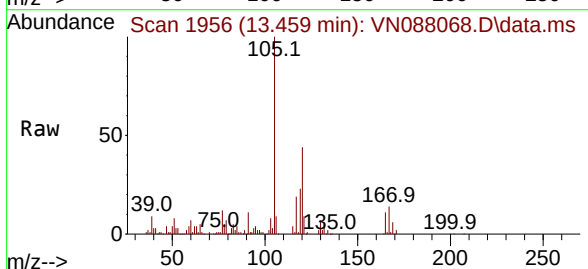
Manual Integrations
APPROVED

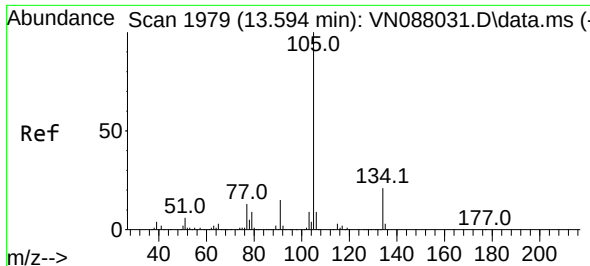
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.727 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:105 Resp: 227695
Ion Ratio Lower Upper
105 100
120 44.3 0.0 93.8





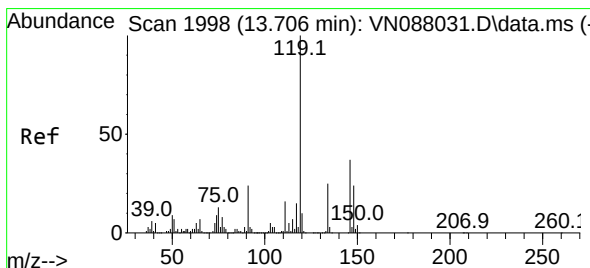
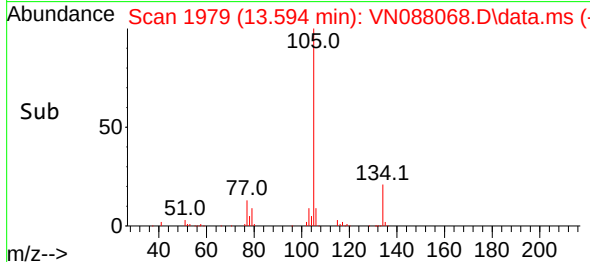
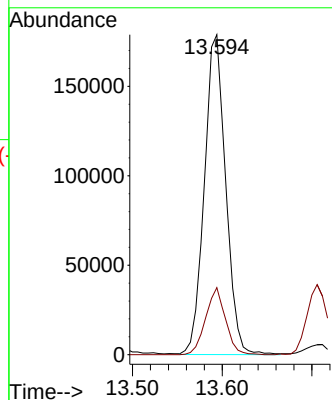
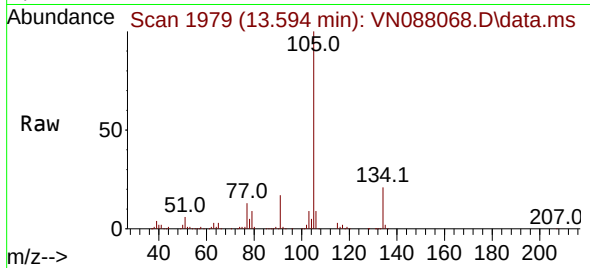
#81
 sec-Butylbenzene
 Concen: 18.894 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Tgt Ion:105 Resp: 29548
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 41.2

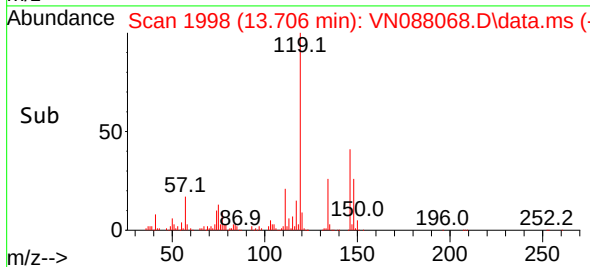
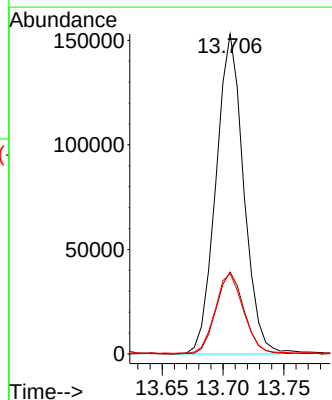
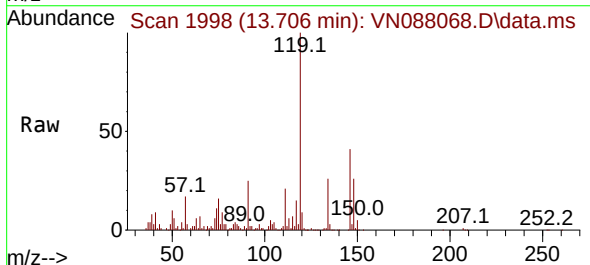
Manual Integrations
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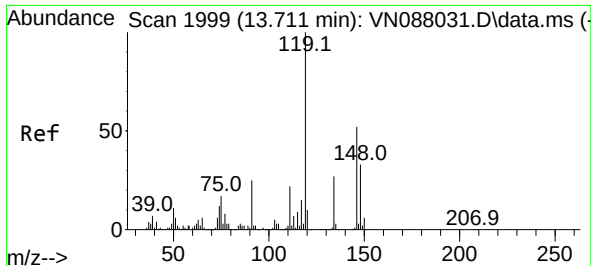
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#82
 p-Isopropyltoluene
 Concen: 18.136 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

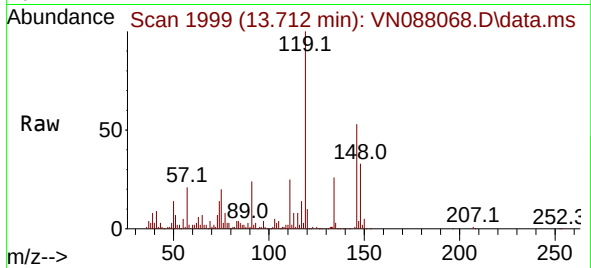
Tgt Ion:119 Resp: 242150
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 52.6
 91 25.5 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 17.404 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

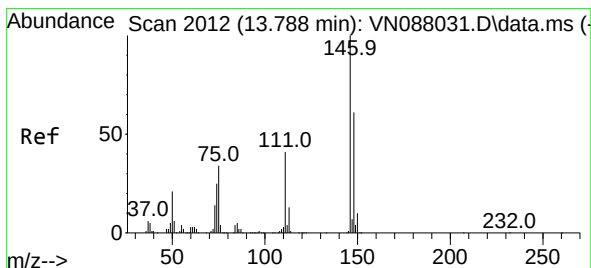
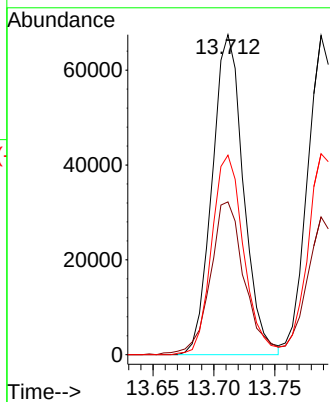
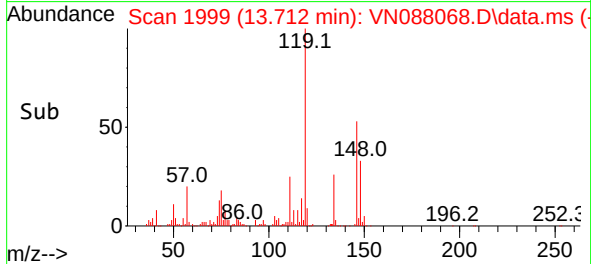
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



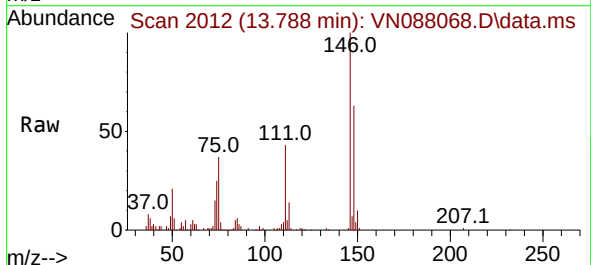
Tgt Ion:146 Resp: 12089
Ion Ratio Lower Upper
146 100
111 51.9 21.1 63.1
148 63.6 31.5 94.5

Manual Integrations
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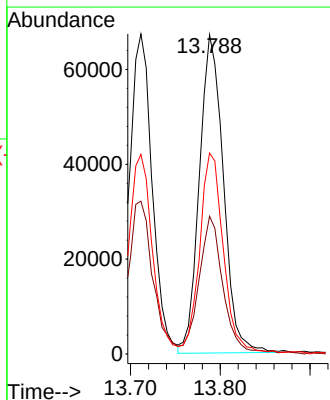
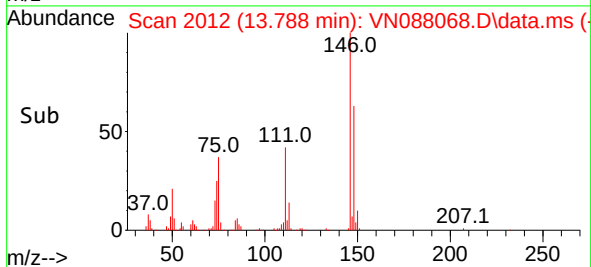
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

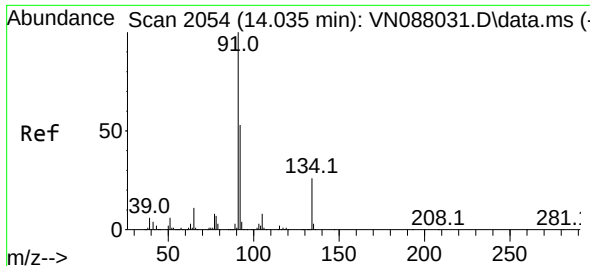


#84
1,4-Dichlorobenzene
Concen: 17.374 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



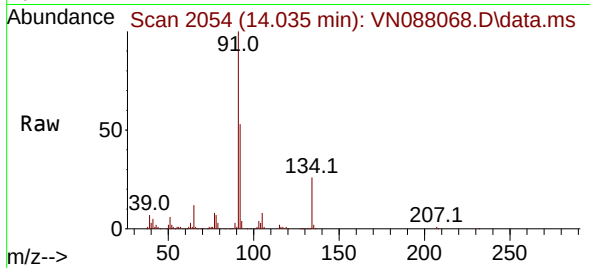
Tgt Ion:146 Resp: 124462
Ion Ratio Lower Upper
146 100
111 43.3 20.5 61.6
148 62.9 31.9 95.9





#85
n-Butylbenzene
Concen: 18.537 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

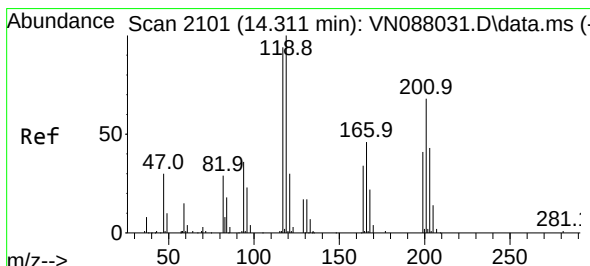
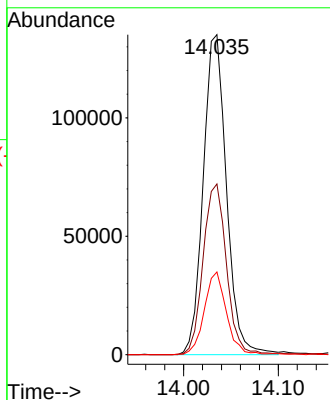
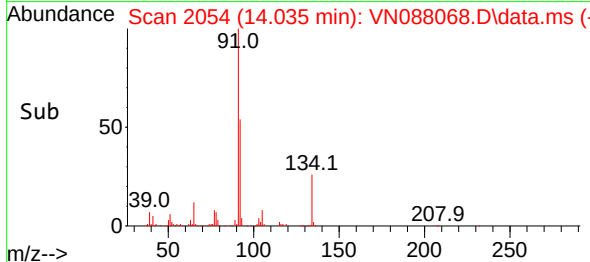
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 91 Resp: 230260
Ion Ratio Lower Upper
91 100
92 53.7 0.0 107.6
134 24.3 0.0 52.6

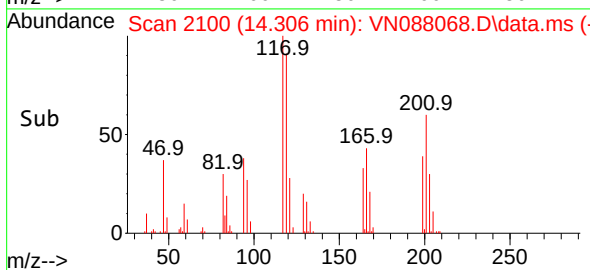
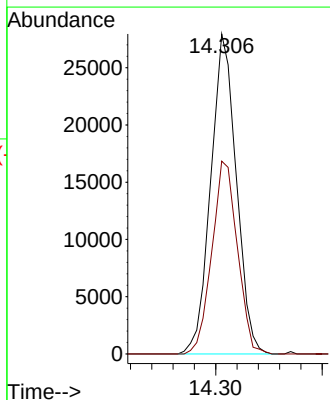
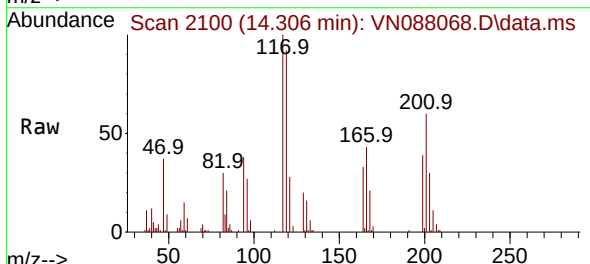
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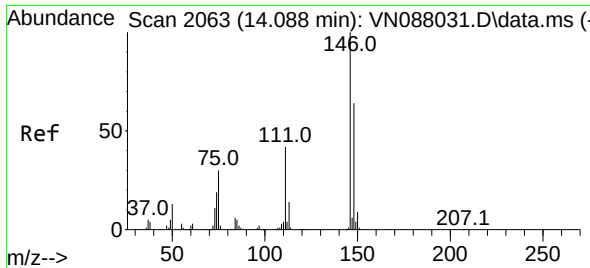
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#86
Hexachloroethane
Concen: 17.389 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:117 Resp: 46511
Ion Ratio Lower Upper
117 100
201 60.2 34.8 104.3





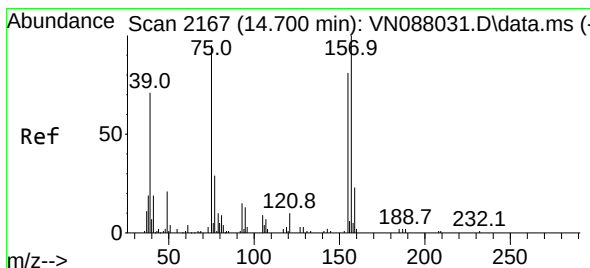
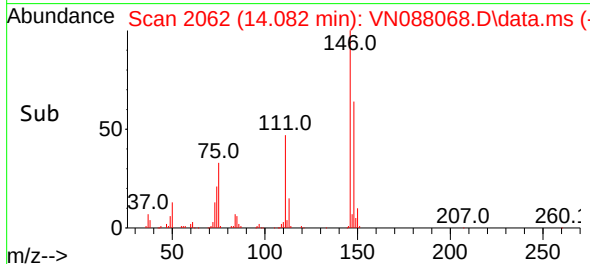
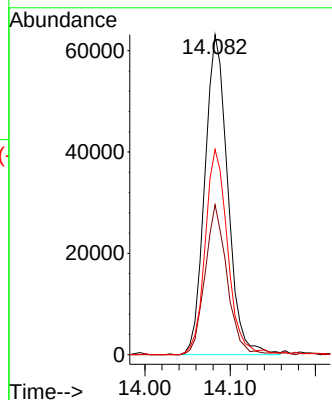
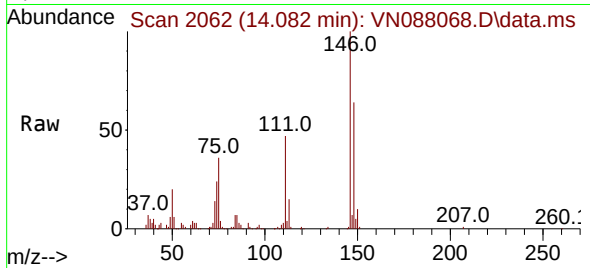
#87
 1,2-Dichlorobenzene
 Concen: 17.250 ug/l
 RT: 14.082 min Scan# 2063
 Delta R.T. -0.006 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Tgt Ion:146 Resp: 117850
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.3 66.8
 148 62.4 31.4 94.3

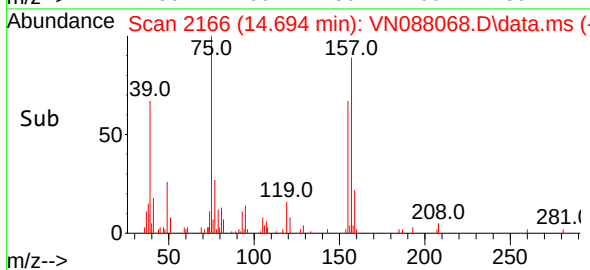
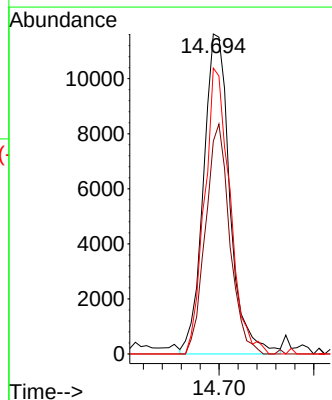
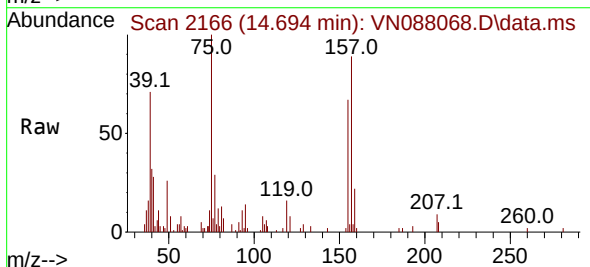
Manual Integrations
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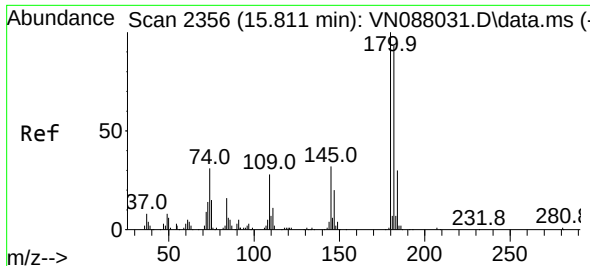
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.181 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. -0.006 min
 Lab File: VN088068.D
 Acq: 17 Oct 2025 15:39

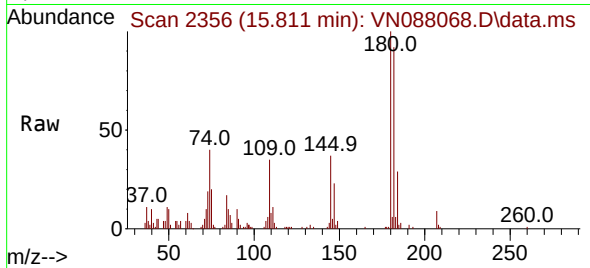
Tgt Ion: 75 Resp: 22559
 Ion Ratio Lower Upper
 75 100
 155 65.9 63.5 95.3
 157 84.6 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 15.270 ug/l
RT: 15.811 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

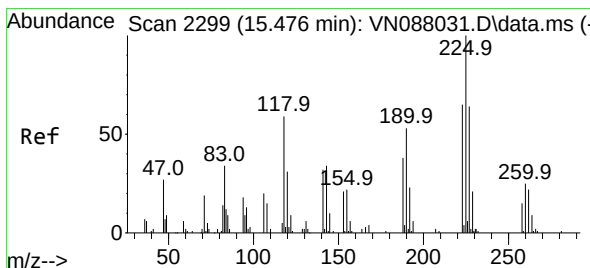
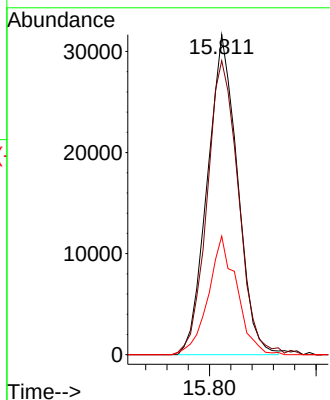
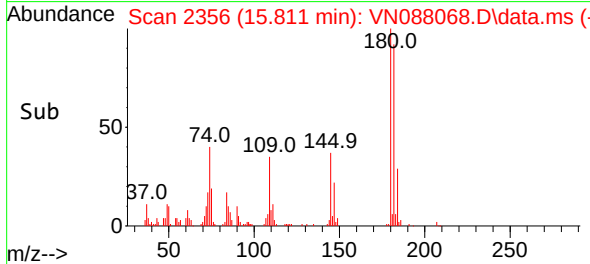
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



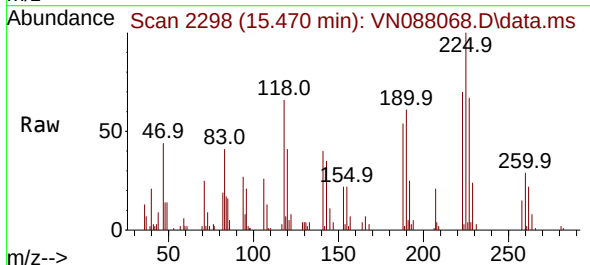
Tgt Ion:180 Resp: 62140
Ion Ratio Lower Upper
180 100
182 95.2 74.6 112.0
145 35.0 27.2 40.8

Manual Integrations
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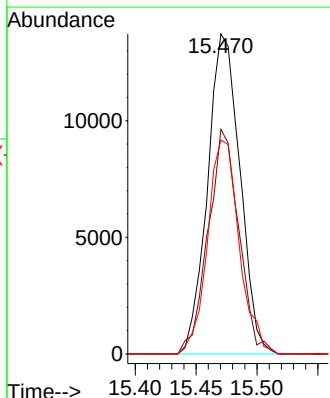
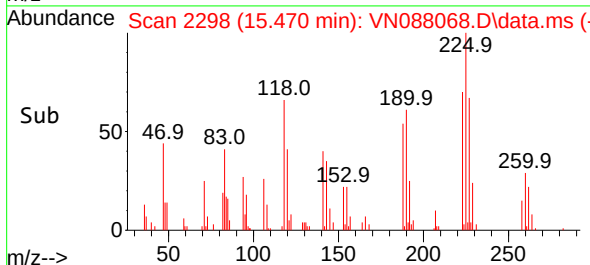
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

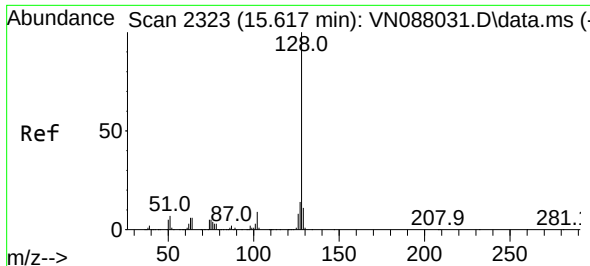


#90
Hexachlorobutadiene
Concen: 17.909 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39



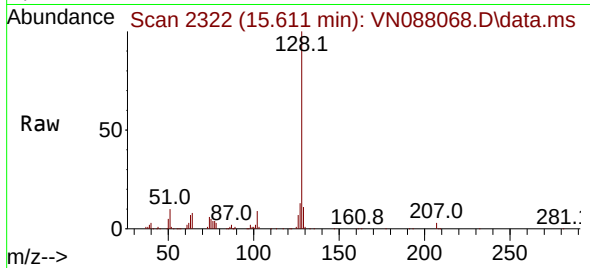
Tgt Ion:225 Resp: 25367
Ion Ratio Lower Upper
225 100
223 65.7 0.0 129.6
227 65.3 0.0 132.2





#91
Naphthalene
Concen: 16.252 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

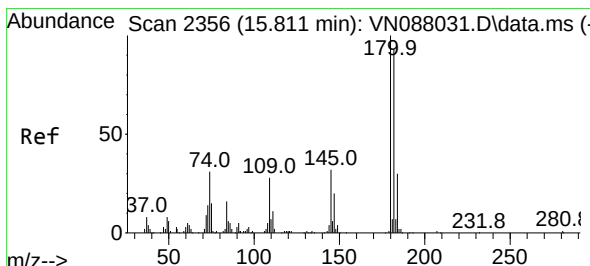
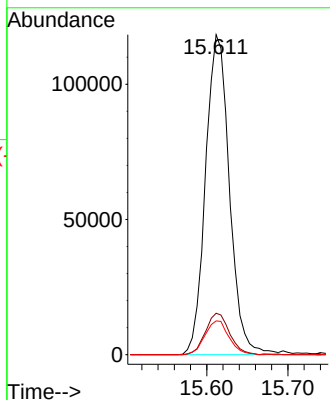
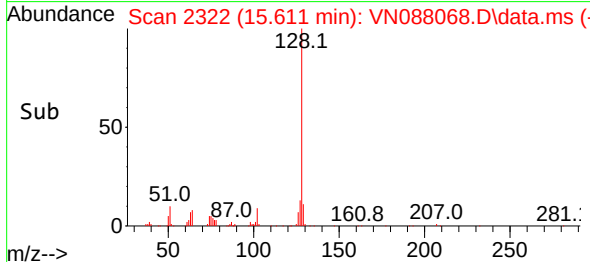
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:128 Resp: 242149
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.6 13.0

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Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#92
1,2,3-Trichlorobenzene
Concen: 15.270 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088068.D
Acq: 17 Oct 2025 15:39

Tgt Ion:180 Resp: 62146
Ion Ratio Lower Upper
180 100
182 95.2 0.0 186.6
145 35.0 0.0 68.0

