

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088069.D
 Acq On : 17 Oct 2025 16:00
 Operator : JC\MD
 Sample : Q3385-03MSD 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMSD

Quant Time: Oct 18 01:31:34 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	62360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	360102	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	317295	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	159710	32.890	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.633%			
60) 4-Bromofluorobenzene	12.829	95	155658	29.758	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.200%			
63) Toluene-d8	10.541	98	443618	31.380	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	84726	23.721	ug/l	91
3) Chloromethane	2.383	50	79025	19.515	ug/l	98
4) Vinyl Chloride	2.536	62	89478	21.191	ug/l	99
5) Bromomethane	2.983	94	49557	21.826	ug/l	97
6) Chloroethane	3.142	64	59812	21.474	ug/l	95
7) Trichlorofluoromethane	3.518	101	141412	24.629	ug/l	97
8) Diethyl Ether	3.965	74	52941	20.406	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	77579	25.240	ug/l	95
10) 1,1-Dichloroethene	4.342	96	74546	22.736	ug/l	96
11) Methyl Iodide	4.589	142	53329	17.648	ug/l	97
12) Methyl Acetate	5.012	43	117205	21.988	ug/l #	85
13) Acrolein	4.177	56	79365	96.215	ug/l #	12
14) Acrylonitrile	5.706	53	249820	97.118	ug/l	99
15) Acetone	4.418	58	658291	873.846	ug/l	94
16) Carbon Disulfide	4.706	76	208589	20.294	ug/l	97
17) Allyl chloride	5.012	41	128015	20.691	ug/l	100
18) Methylene Chloride	5.265	84	82831	19.876	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	74990	19.782	ug/l #	85
20) Diisopropyl ether	6.659	45	273688	19.430	ug/l	97
21) 1,1-Dichloroethane	6.553	63	151011	20.594	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	90580	19.088	ug/l	95
23) tert-Butyl Alcohol	5.518	59	111714	108.285	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	273820	19.348	ug/l	99
25) Chloroform	7.947	83	280935	37.127	ug/l	96
26) Cyclohexane	8.241	56	131824	21.698	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	108524	21.025	ug/l	95
30) 2-Butanone	7.471	43	362613	95.251	ug/l	97
31) 2,2-Dichloropropane	7.477	77	135045	20.305	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	135598	21.024	ug/l	97
33) Carbon Tetrachloride	8.341	117	113985	21.099	ug/l	95
34) Benzene	8.588	78	327299	19.117	ug/l	97
35) Methacrylonitrile	7.765	41	74584	18.631	ug/l	94
36) 1,2-Dichloroethane	8.653	62	118196	19.886	ug/l	99
37) Trichloroethene	9.335	130	75946	18.723	ug/l	91
38) Methylcyclohexane	9.582	83	132603	20.802	ug/l	96
39) 1,2-Dichloropropane	9.600	63	82883	19.307	ug/l	100
40) Dibromomethane	9.688	93	59013	18.885	ug/l	93
41) Bromodichloromethane	9.865	83	130021	20.372	ug/l	98
42) Vinyl Acetate	6.588	43	1284894	99.074	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	130514	17.835	ug/l #	81
44) Isopropyl Acetate	8.671	43	219835	18.392	ug/l	96
45) 1,4-Dioxane	9.682	88	33536	421.867	ug/l	96
46) Methyl methacrylate	9.659	41	100825	19.155	ug/l	94
47) n-amyl Acetate	12.553	43	142487m	25.151	ug/l	
48) t-1,3-Dichloropropene	10.812	75	130834	18.436	ug/l	100
49) cis-1,3-Dichloropropene	10.288	75	136675	18.463	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	77489	18.725	ug/l	98
51) Ethyl methacrylate	10.853	69	128302	18.320	ug/l	99
52) 1,3-Dichloropropane	11.141	76	135965	18.832	ug/l	98
53) Dibromochloromethane	11.335	129	90490	18.291	ug/l	100
54) 1,2-Dibromoethane	11.447	107	81678	18.462	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	168306	44.522	ug/l	98
56) Bromoform	12.559	173	56150	16.788	ug/l #	99
58) 4-Methyl-2-Pentanone	10.423	43	693012	97.647	ug/l	98
59) 2-Hexanone	11.176	43	457862	97.713	ug/l	98
61) Tetrachloroethene	11.082	164	60333	18.777	ug/l	89
62) Toluene	10.612	91	349848	19.438	ug/l	98
64) Chlorobenzene	11.870	112	215429	18.740	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	75119	18.961	ug/l	97
66) Ethyl Benzene	11.941	91	391022	19.980	ug/l	98
67) m/p-Xylenes	12.047	106	297675	39.456	ug/l	97
68) o-Xylene	12.376	106	144826	19.283	ug/l	97
69) Styrene	12.388	104	238678	19.211	ug/l	98
70) Isopropylbenzene	12.670	105	370230	20.113	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.917	83	122344	19.604	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	111947m	19.315	ug/l	
73) Bromobenzene	12.959	156	79098	17.581	ug/l	87
74) n-propylbenzene	13.012	91	463682	20.866	ug/l	97
75) 2-Chlorotoluene	13.100	91	271632	19.992	ug/l	96
76) 1,3,5-Trimethylbenzene	13.147	105	308237	19.713	ug/l	96
77) t-1,4-Dichloro-2-butene	12.717	75	39552	17.124	ug/l	77
78) 4-Chlorotoluene	13.200	91	270907	19.625	ug/l	99
79) tert-butylbenzene	13.417	119	276330	20.386	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	315198	20.136	ug/l	96
81) sec-Butylbenzene	13.594	105	396601	20.810	ug/l	97
82) p-Isopropyltoluene	13.706	119	333050	20.469	ug/l	97
83) 1,3-Dichlorobenzene	13.711	146	158593	18.735	ug/l	95
84) 1,4-Dichlorobenzene	13.788	146	167018	19.131	ug/l	98
85) n-Butylbenzene	14.029	91	313863	20.734	ug/l	98
86) Hexachloroethane	14.306	117	62160	19.070	ug/l	89
87) 1,2-Dichlorobenzene	14.082	146	151773	18.228	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29396	20.509	ug/l	89
89) 1,2,4-Trichlorobenzene	15.811	180	85763	17.293	ug/l	98
90) Hexachlorobutadiene	15.476	225	34075	19.741	ug/l	97
91) Naphthalene	15.611	128	326560	17.985	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	85763	17.293	ug/l	98

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

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EFF-WWMSD

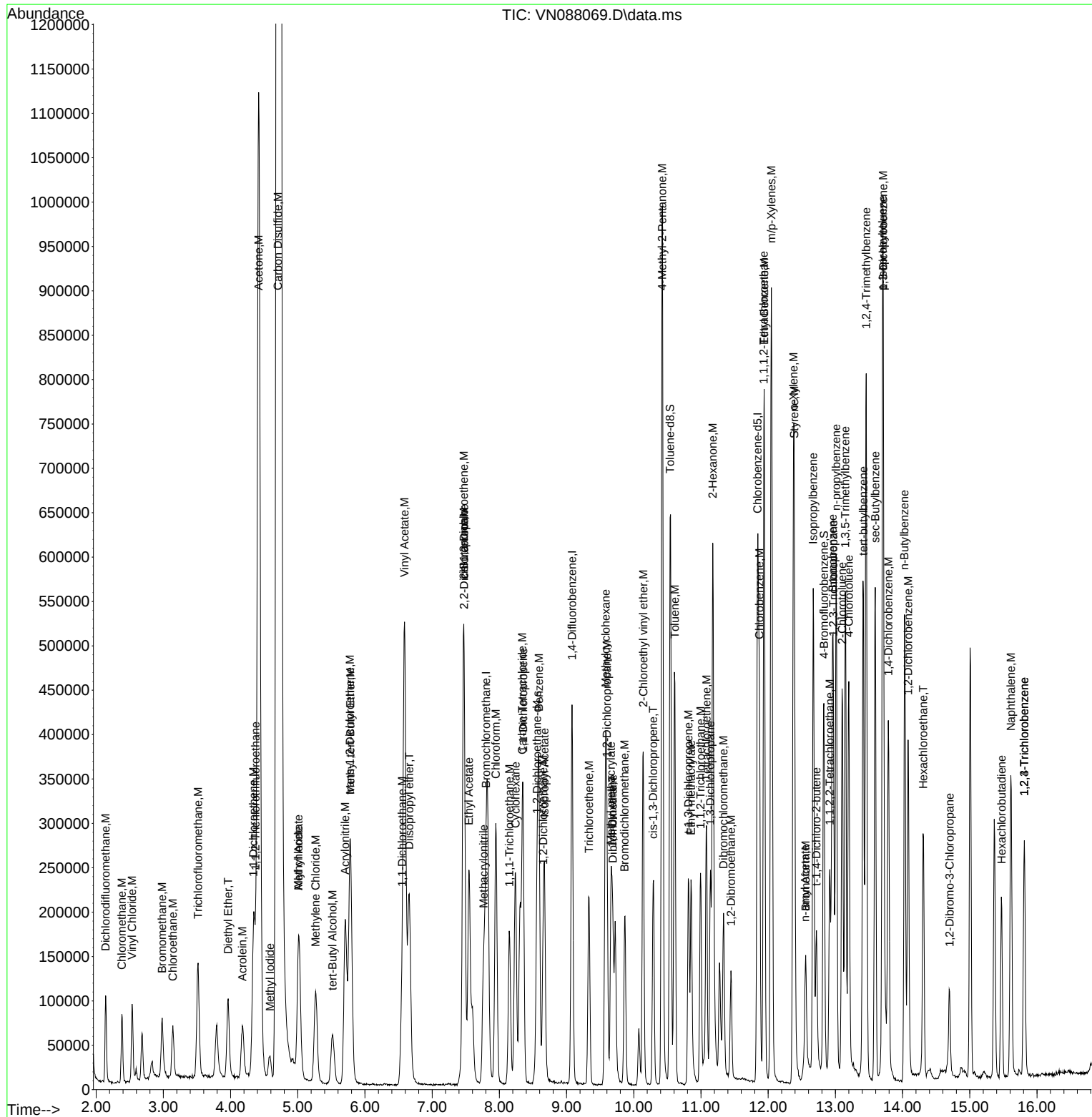
Manual Integrations

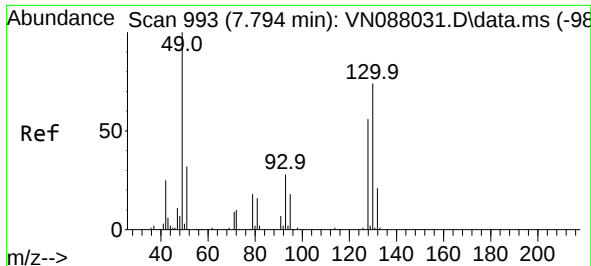
APPROVED

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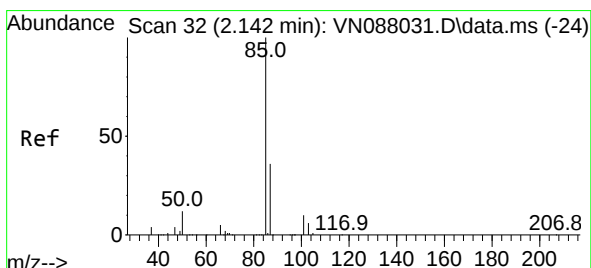
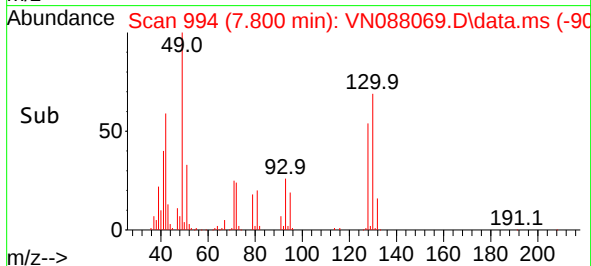
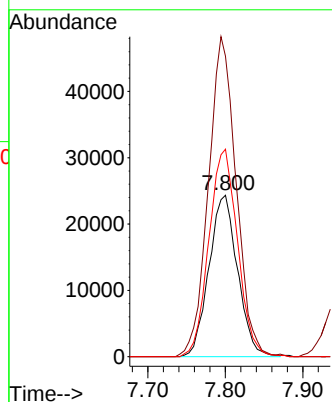
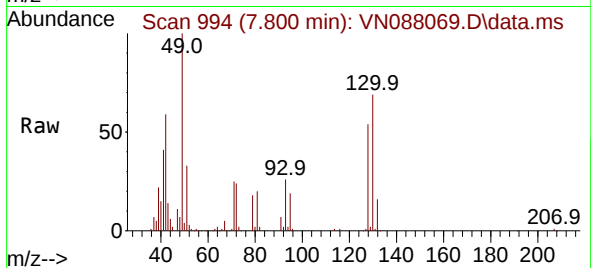
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:128 Resp: 62360
Ion Ratio Lower Upper
128 100
49 192.5 0.0 439.8
130 129.2 0.0 325.8

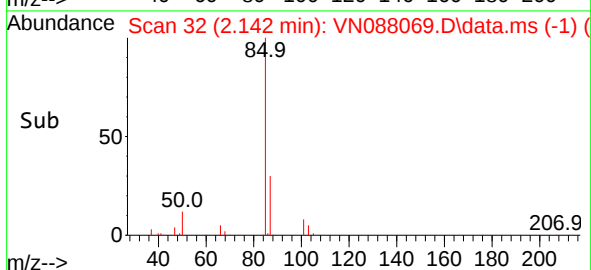
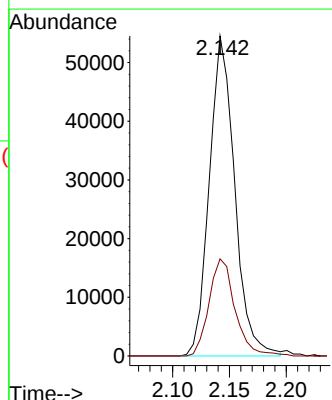
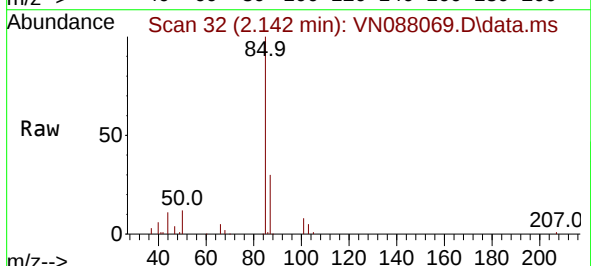
Manual Integrations
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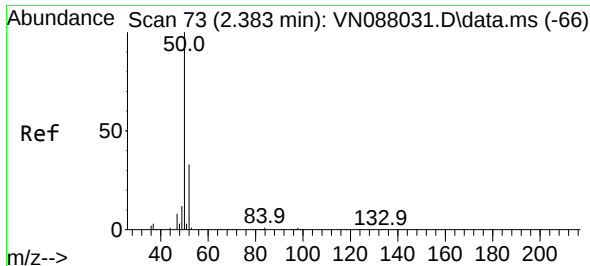
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#2
Dichlorodifluoromethane
Concen: 23.721 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

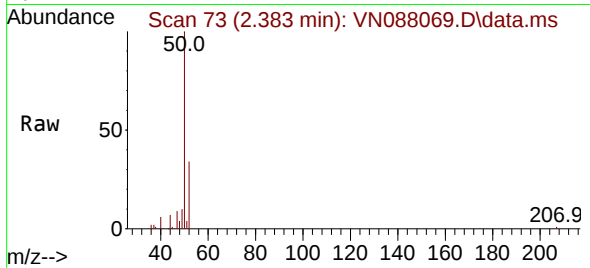
Tgt Ion: 85 Resp: 84726
Ion Ratio Lower Upper
85 100
87 30.3 17.9 53.8





#3
Chloromethane
Concen: 19.515 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

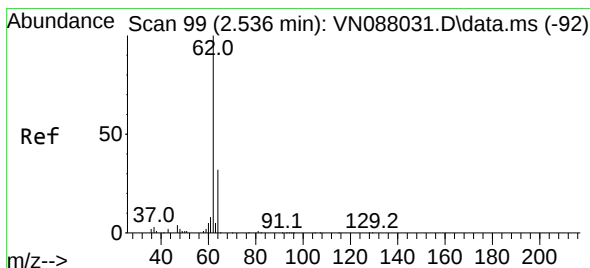
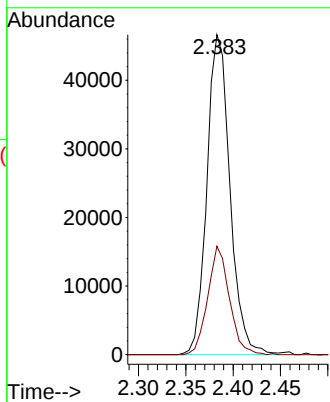
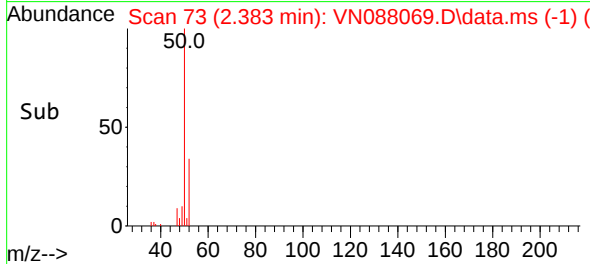
Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 79025
Ion Ratio Lower Upper
50 100
52 33.9 26.3 39.5

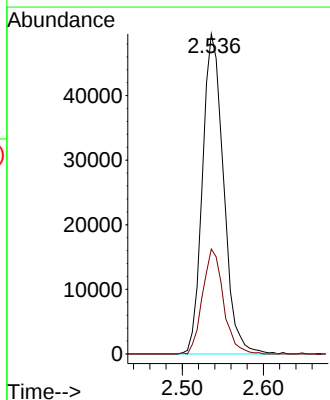
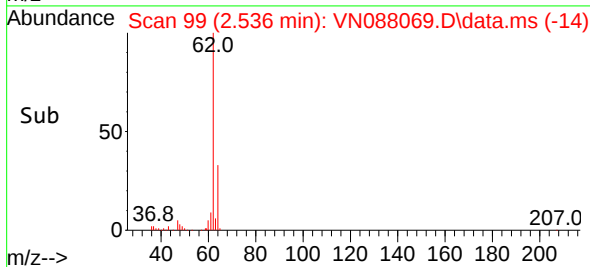
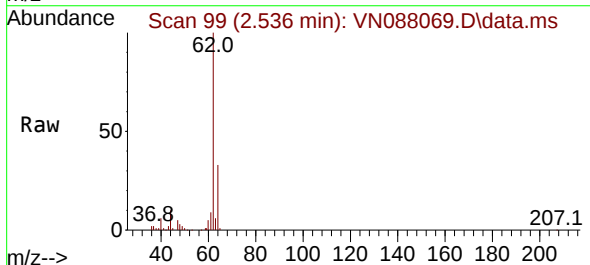
Manual Integrations
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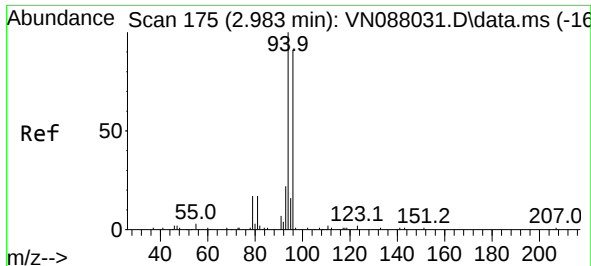
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#4
Vinyl Chloride
Concen: 21.191 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

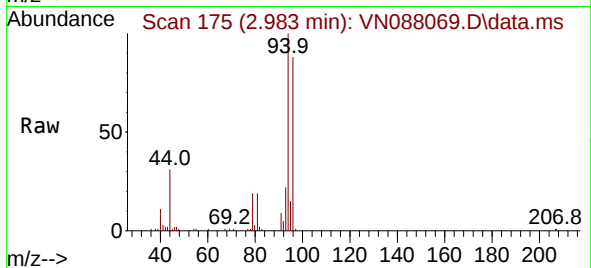
Tgt Ion: 62 Resp: 89478
Ion Ratio Lower Upper
62 100
64 32.8 25.7 38.5





#5
Bromomethane
Concen: 21.826 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

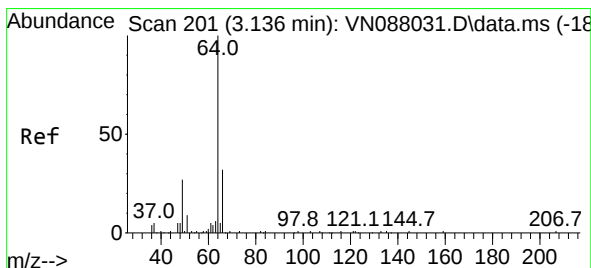
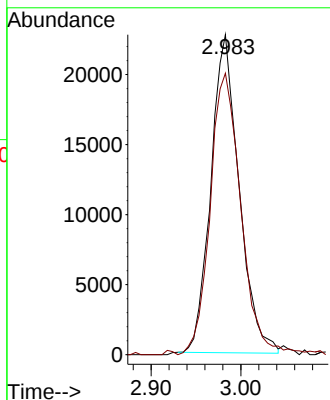
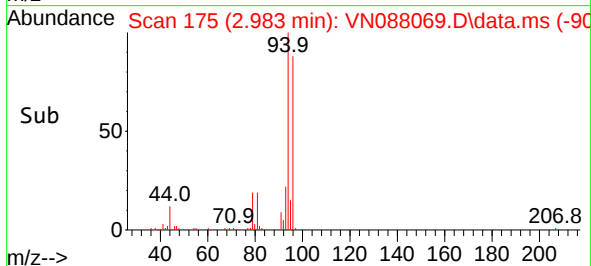
Instrument :
MSVOA_N
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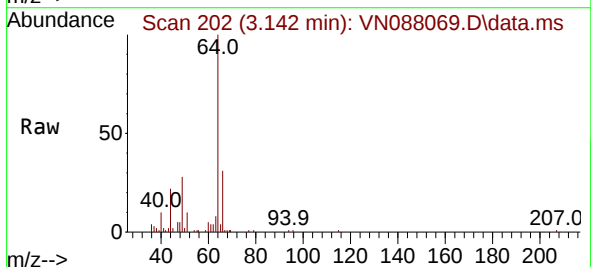
Tgt Ion: 94 Resp: 4955
Ion Ratio Lower Upper
94 100
96 88.6 73.0 109.4

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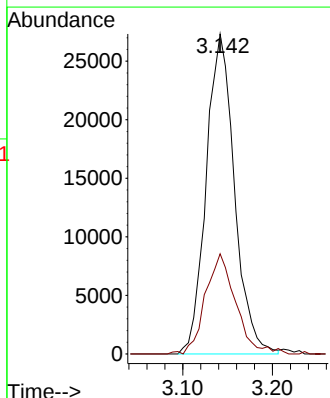
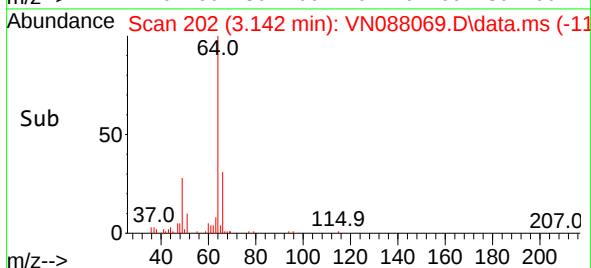
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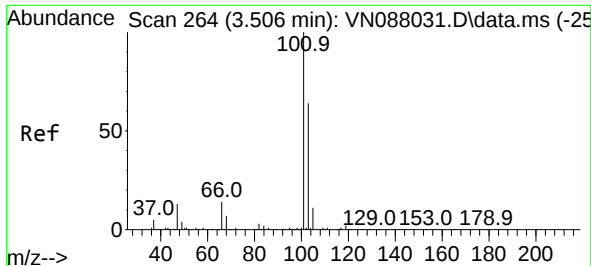


#6
Chloroethane
Concen: 21.474 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



Tgt Ion: 64 Resp: 59812
Ion Ratio Lower Upper
64 100
66 30.6 26.8 40.2





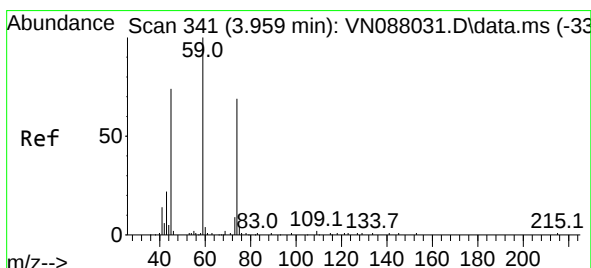
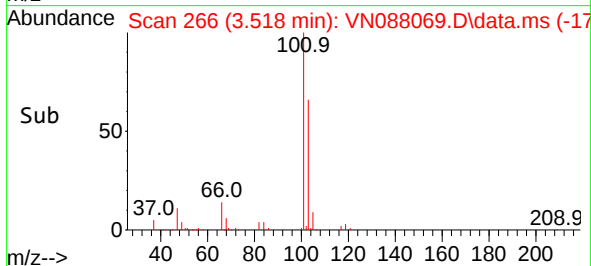
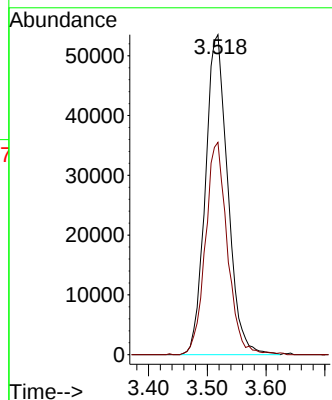
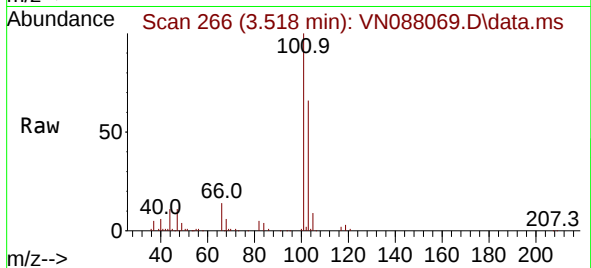
#7
Trichlorofluoromethane
Concen: 24.629 ug/l
RT: 3.518 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:101 Resp: 14141
Ion Ratio Lower Upper
101 100
103 66.4 51.0 76.4

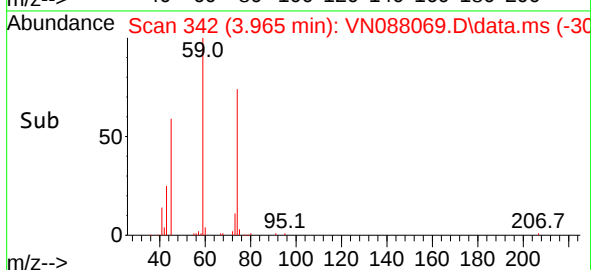
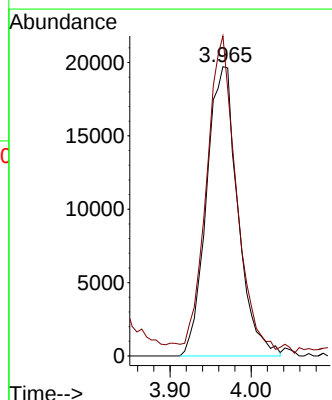
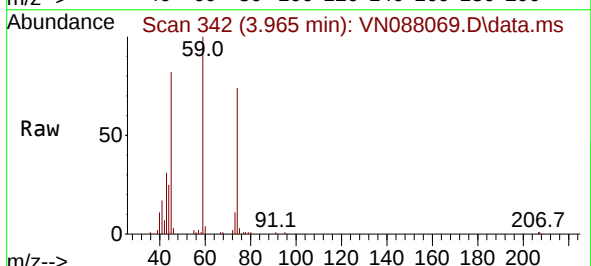
Manual Integrations
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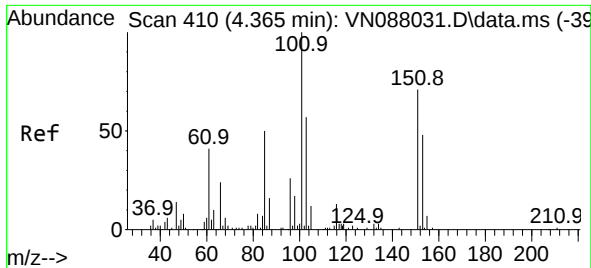
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#8
Diethyl Ether
Concen: 20.406 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 74 Resp: 52941
Ion Ratio Lower Upper
74 100
45 101.5 20.4 183.8





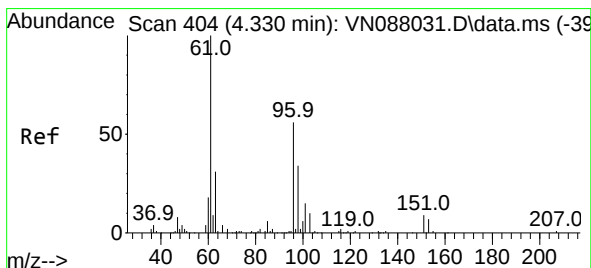
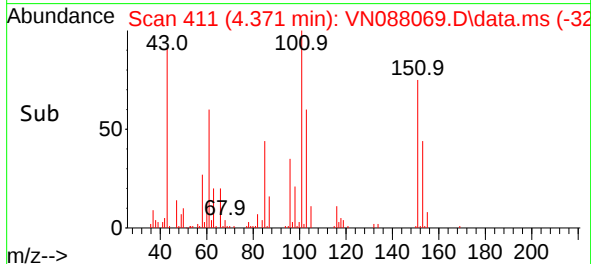
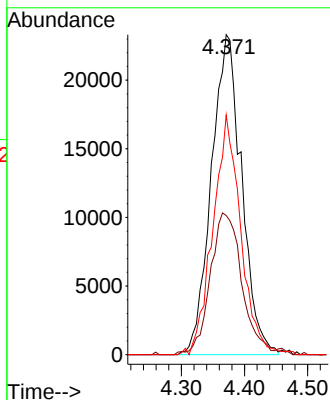
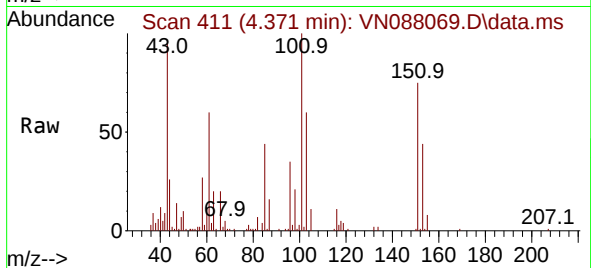
#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.240 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:101 Resp: 77579
Ion Ratio Lower Upper
101 100
85 45.9 0.0 103.2
151 68.5 0.0 141.4

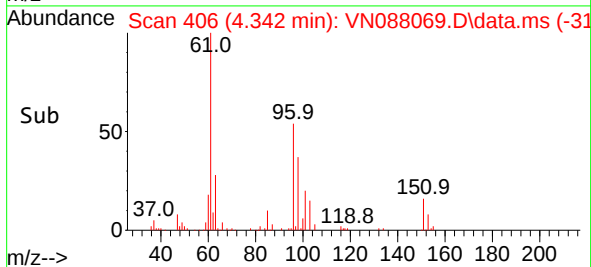
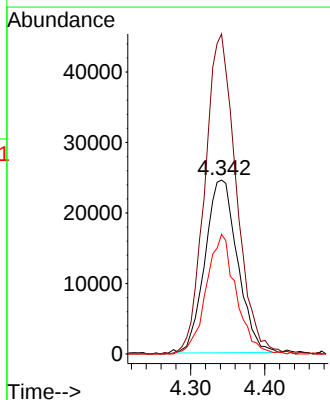
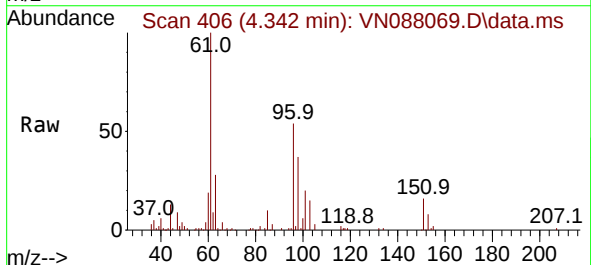
Manual Integrations
APPROVED

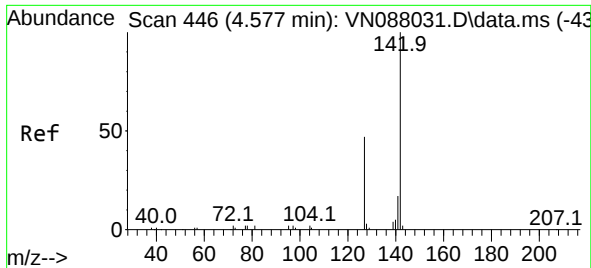
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#10
1,1-Dichloroethene
Concen: 22.736 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

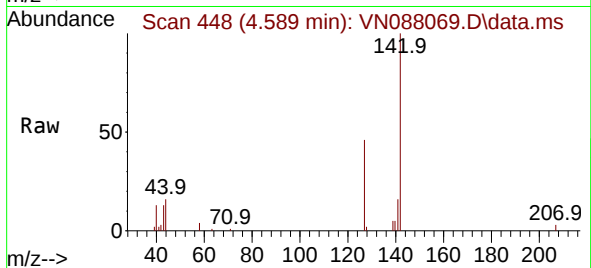
Tgt Ion: 96 Resp: 74546
Ion Ratio Lower Upper
96 100
61 183.9 144.1 216.1
98 68.4 49.0 73.6





#11
Methyl Iodide
Concen: 17.648 ug/l
RT: 4.589 min Scan# 446
Delta R.T. 0.012 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

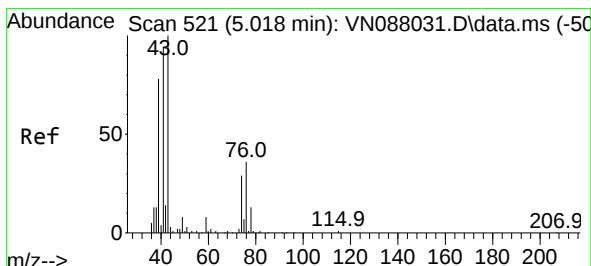
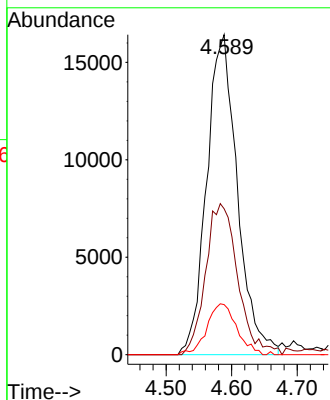
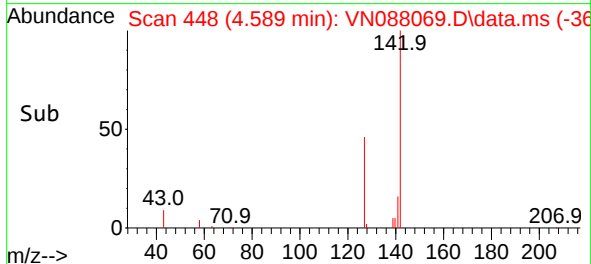
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion:142 Resp: 53329
Ion Ratio Lower Upper
142 100
127 45.1 23.4 70.3
141 15.9 8.8 26.2

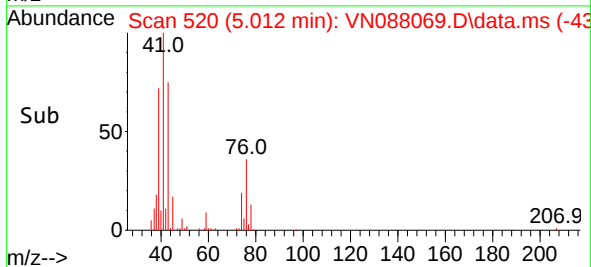
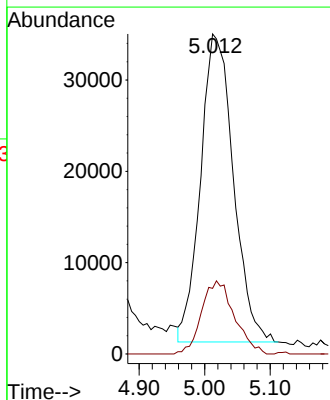
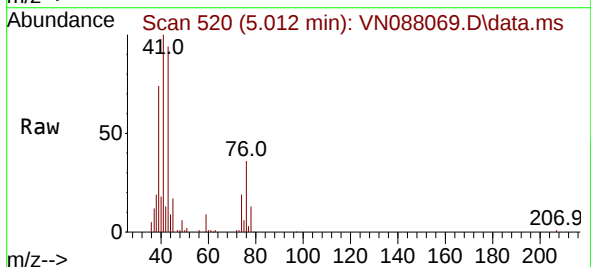
Manual Integrations
APPROVED

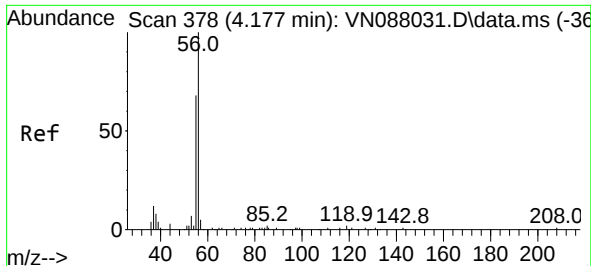
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#12
Methyl Acetate
Concen: 21.988 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

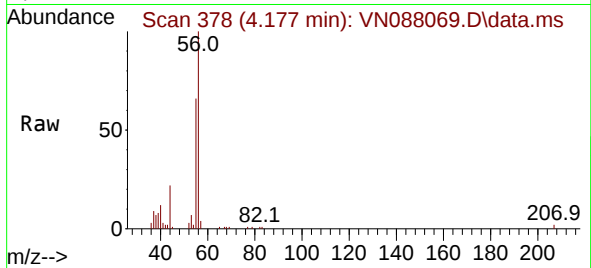
Tgt Ion: 43 Resp: 117205
Ion Ratio Lower Upper
43 100
74 21.2 23.3 34.9#





#13
Acrolein
Concen: 96.215 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

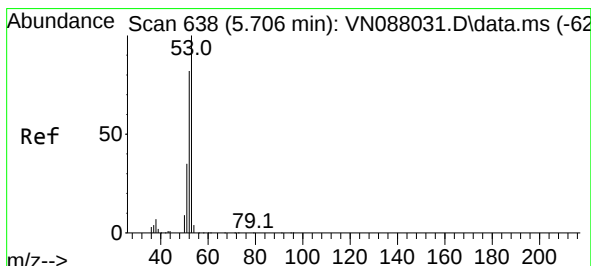
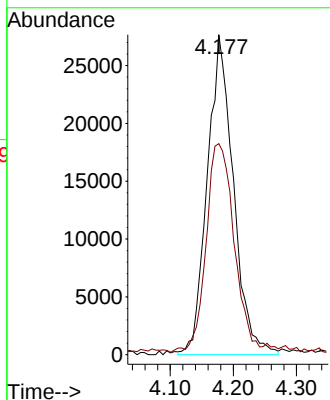
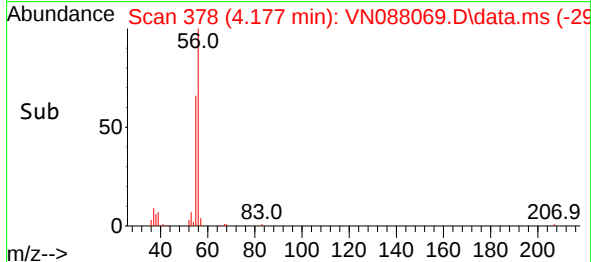
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



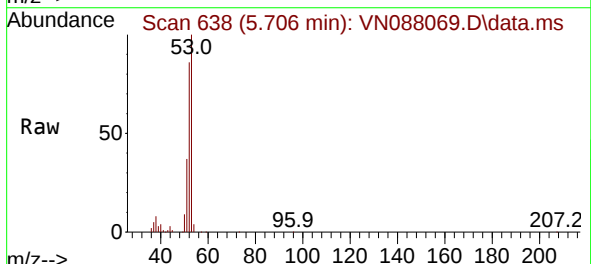
Tgt Ion: 56 Resp: 7936
Ion Ratio Lower Upper
56 100
55 67.0 0.3 0.5

Manual Integrations
APPROVED

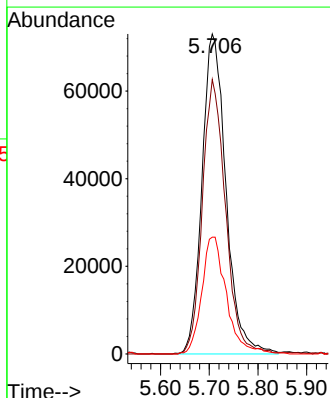
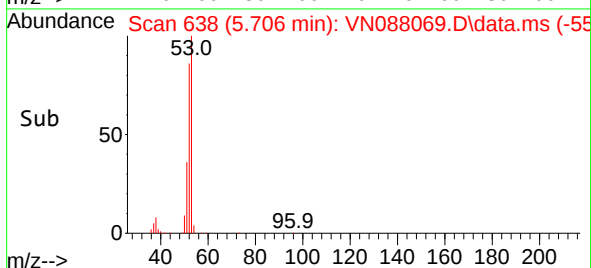
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

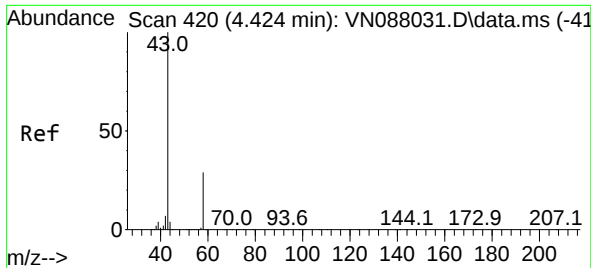


#14
Acrylonitrile
Concen: 97.118 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



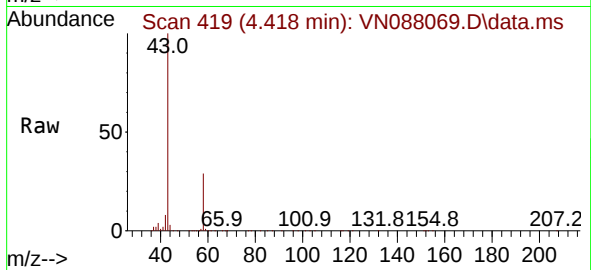
Tgt Ion: 53 Resp: 249820
Ion Ratio Lower Upper
53 100
52 82.5 41.3 124.1
51 36.8 18.0 54.0





#15
Acetone
Concen: 873.846 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

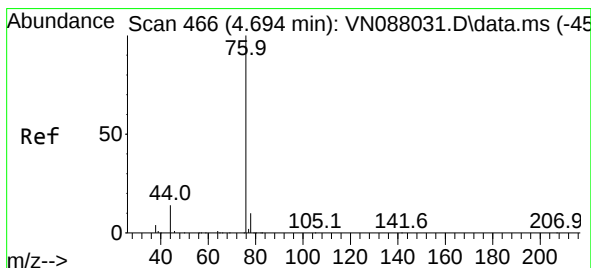
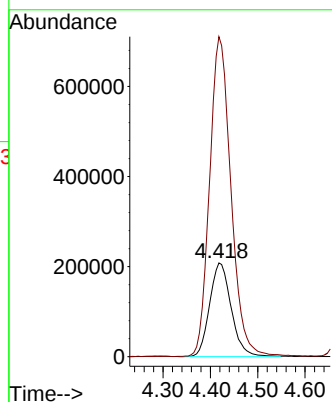
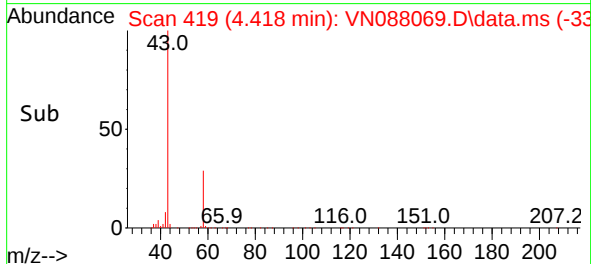
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



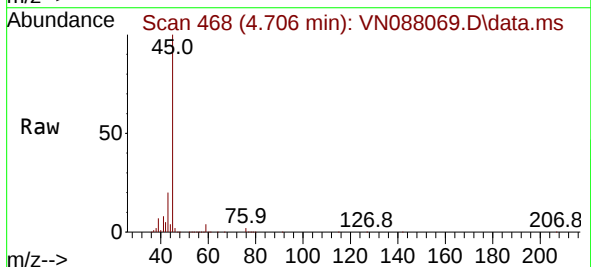
Tgt Ion: 58 Resp: 65829
Ion Ratio Lower Upper
58 100
43 341.3 282.6 424.0

Manual Integrations
APPROVED

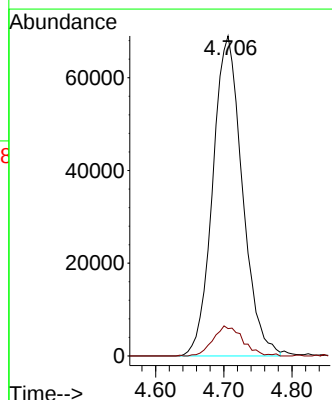
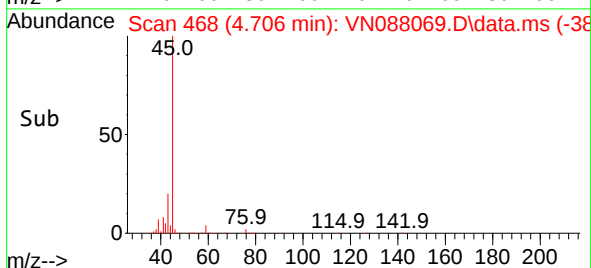
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

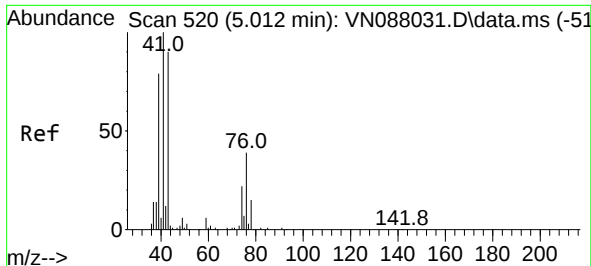


#16
Carbon Disulfide
Concen: 20.294 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



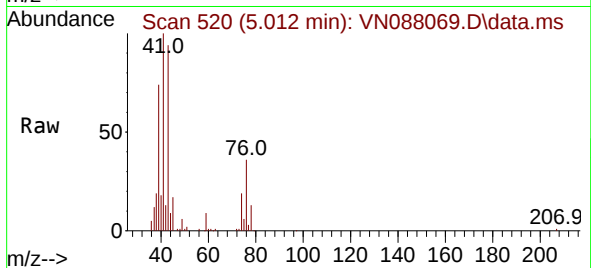
Tgt Ion: 76 Resp: 208589
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8





#17
 Allyl chloride
 Concen: 20.691 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

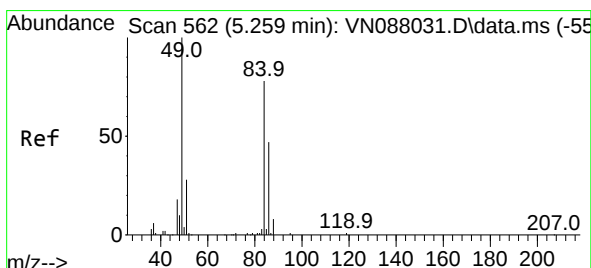
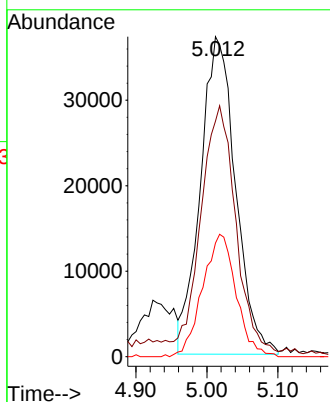
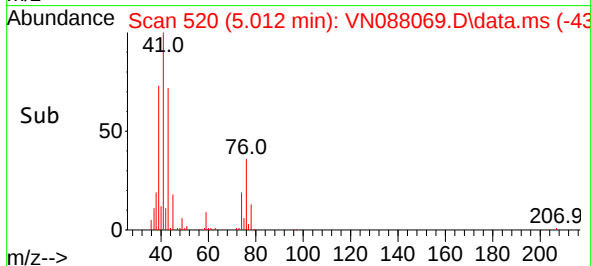
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMSD



Tgt Ion:	41	Resp:	12801
Ion	Ratio	Lower	Upper
41	100		
39	73.3	36.4	109.2
76	36.1	18.1	54.1

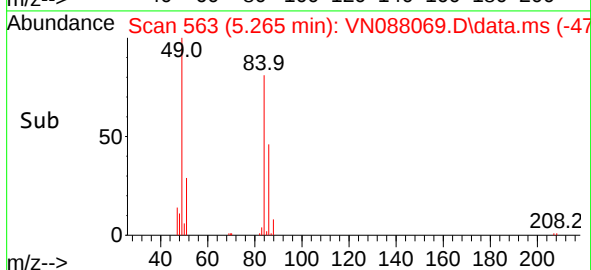
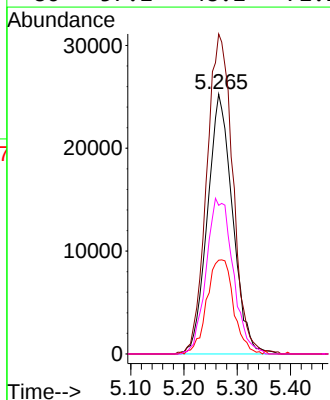
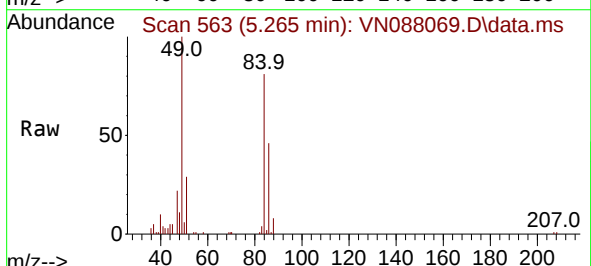
Manual Integrations
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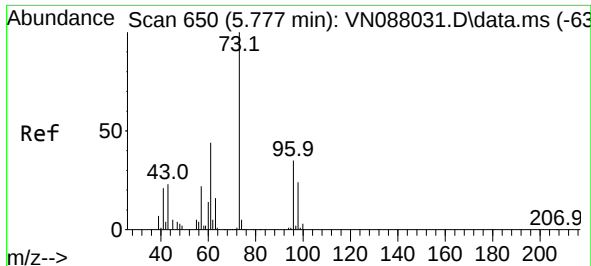
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#18
 Methylene Chloride
 Concen: 19.876 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

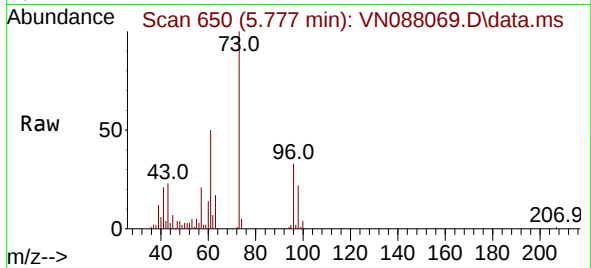
Tgt Ion:	84	Resp:	82831
Ion	Ratio	Lower	Upper
84	100		
49	122.5	102.6	153.8
51	36.1	28.6	42.8
86	57.2	48.2	72.2





#19
trans-1,2-Dichloroethene
Concen: 19.782 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

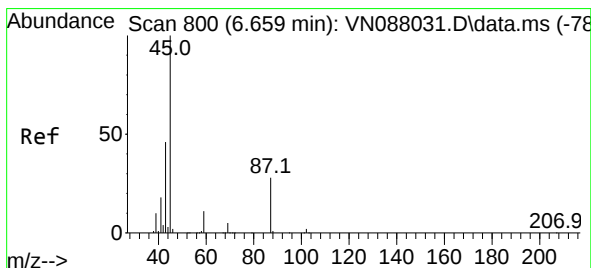
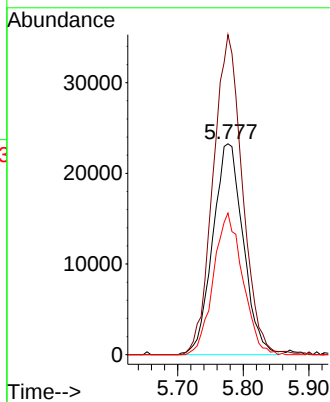
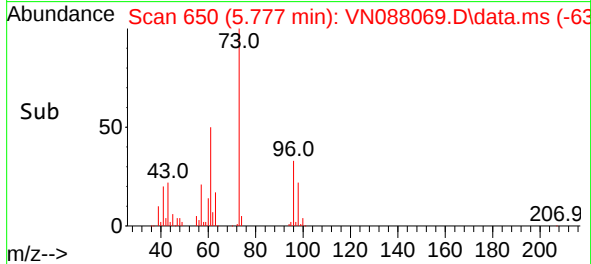
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 96 Resp: 74990
Ion Ratio Lower Upper
96 100
61 151.7 100.6 151.0
98 67.1 54.0 81.0

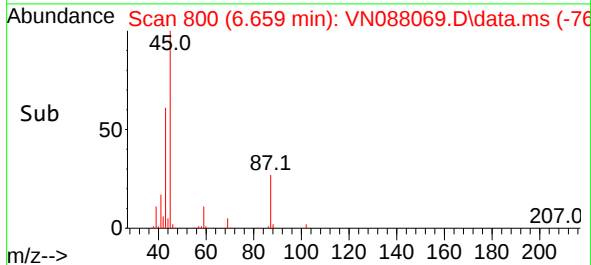
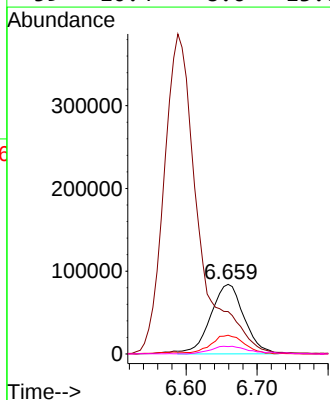
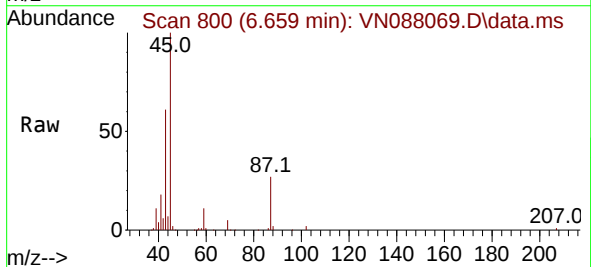
Manual Integrations
APPROVED

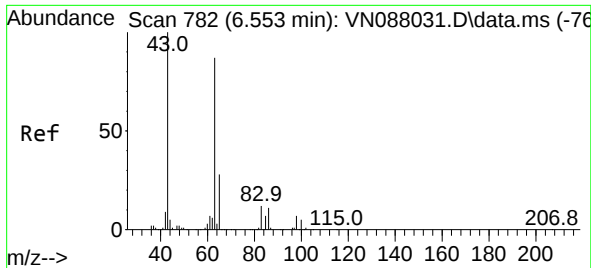
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#20
Diisopropyl ether
Concen: 19.430 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 45 Resp: 273688
Ion Ratio Lower Upper
45 100
43 59.9 46.1 69.1
87 26.8 22.3 33.5
59 10.4 8.6 13.0





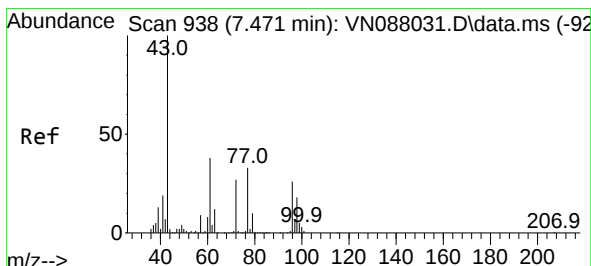
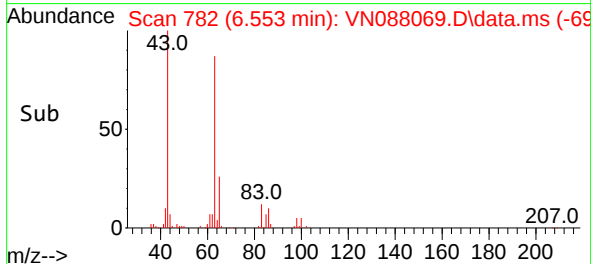
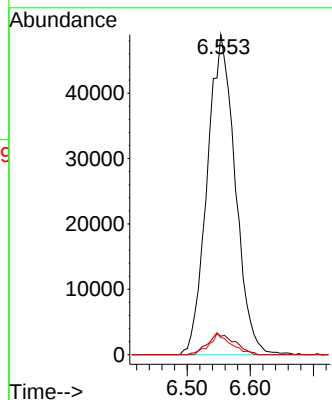
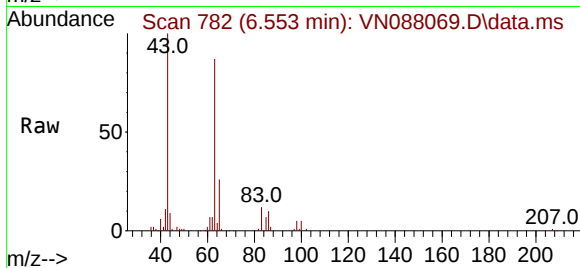
#21
1,1-Dichloroethane
Concen: 20.594 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 63 Resp: 15101
Ion Ratio Lower Upper
63 100
98 5.7 4.3 12.8
100 5.3 2.6 8.0

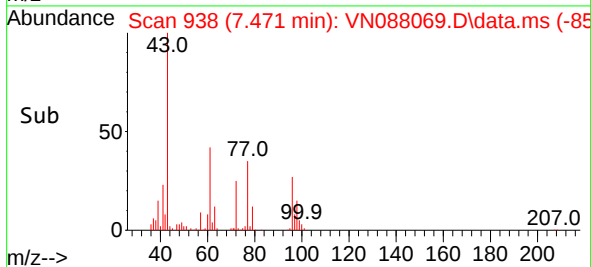
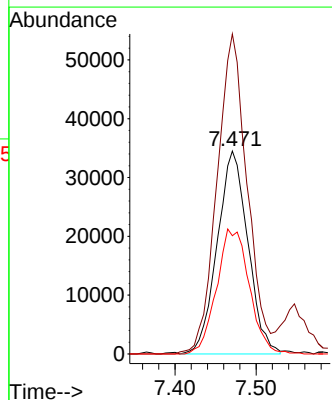
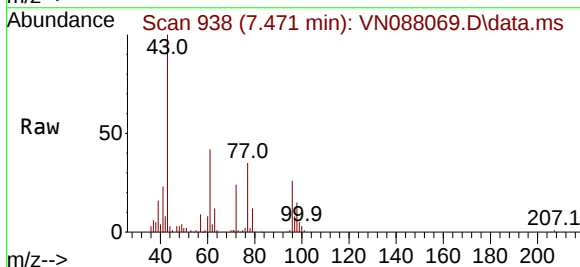
Manual Integrations
APPROVED

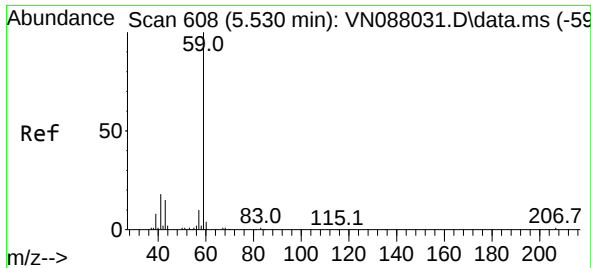
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#22
cis-1,2-Dichloroethene
Concen: 19.088 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

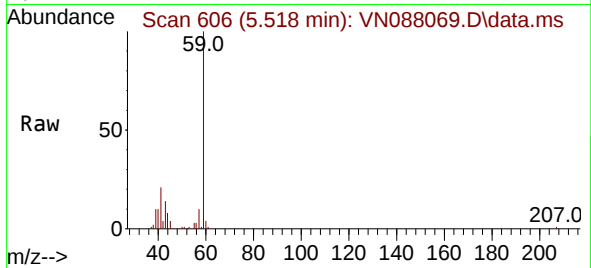
Tgt Ion: 96 Resp: 90580
Ion Ratio Lower Upper
96 100
61 154.5 117.0 175.6
98 65.6 52.6 79.0





#23
tert-Butyl Alcohol
Concen: 108.285 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

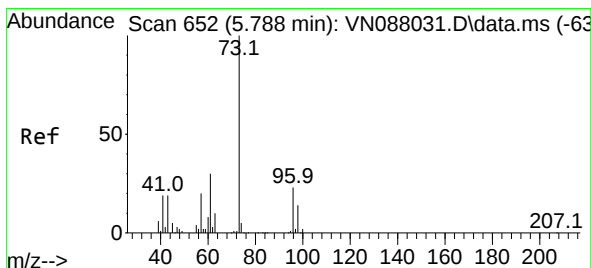
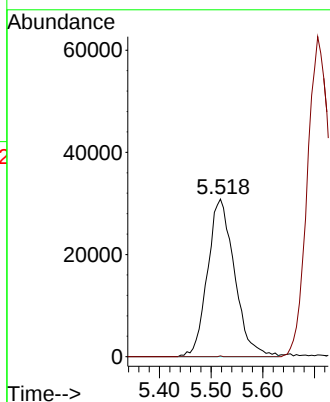
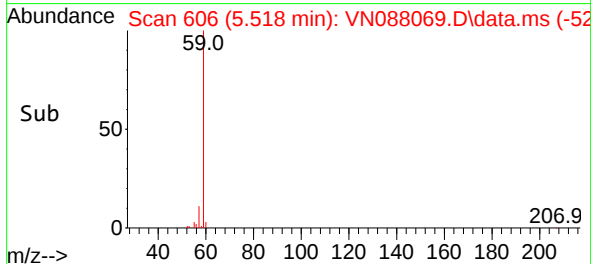
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 59 Resp: 111714
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

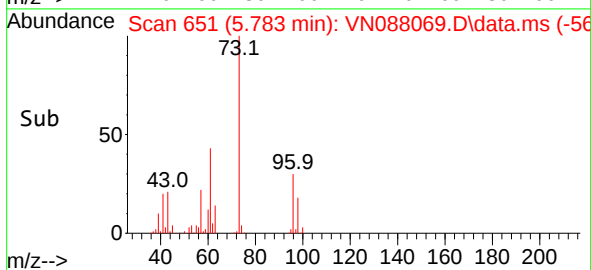
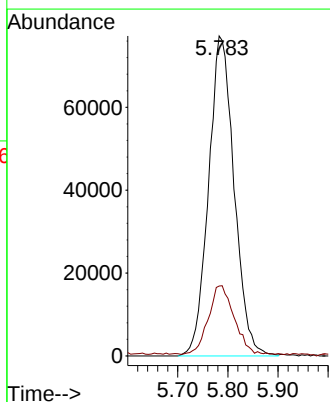
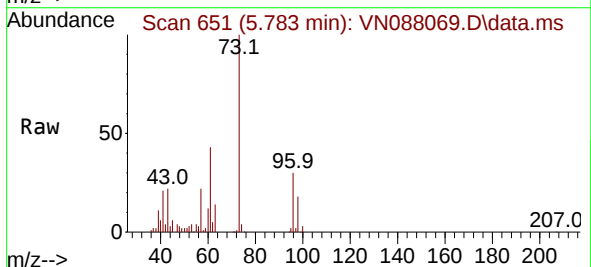
Manual Integrations
APPROVED

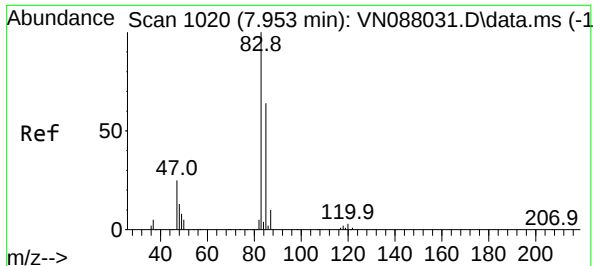
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#24
Methyl tert-Butyl Ether
Concen: 19.348 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 73 Resp: 273820
Ion Ratio Lower Upper
73 100
43 21.5 17.0 25.4





#25

Chloroform

Concen: 37.127 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMSD

Tgt Ion: 83 Resp: 28093

Ion Ratio Lower Upper

83 100

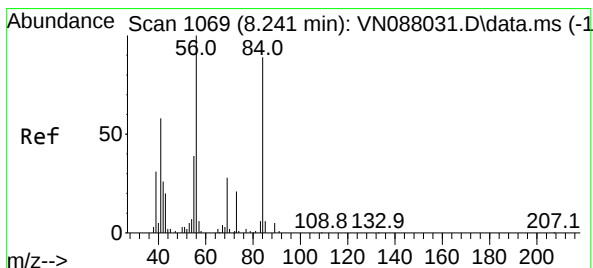
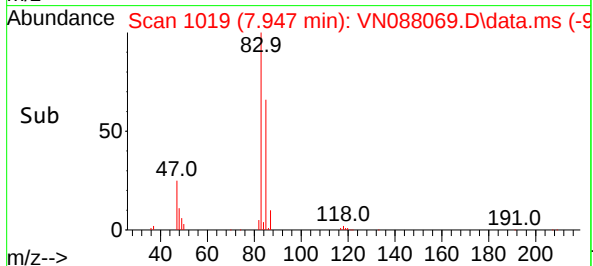
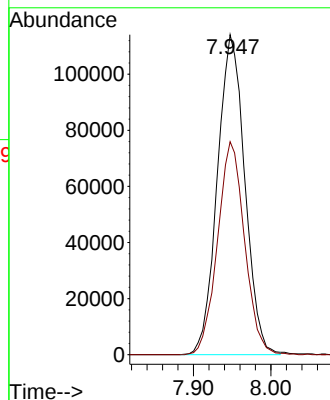
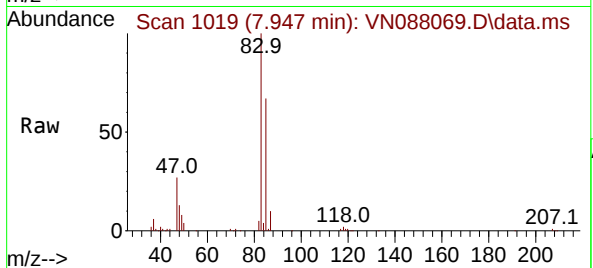
85 66.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#26

Cyclohexane

Concen: 21.698 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

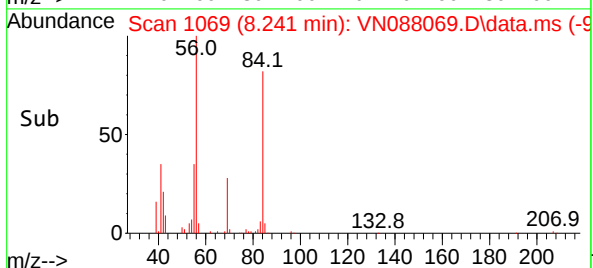
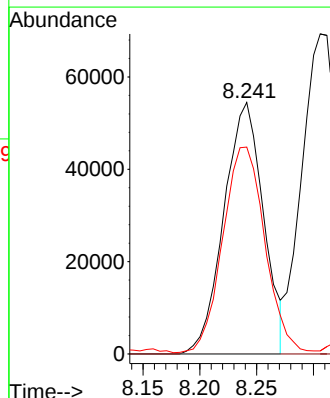
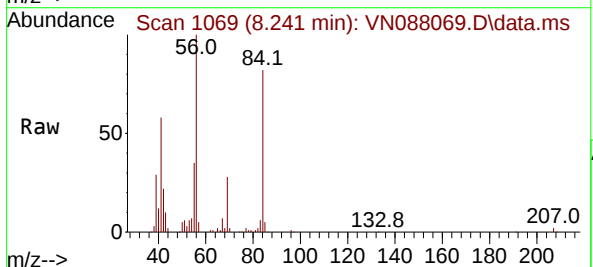
Tgt Ion: 56 Resp: 131824

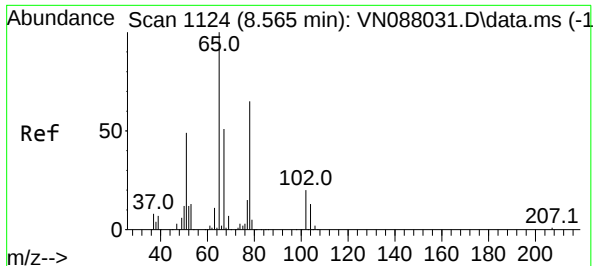
Ion Ratio Lower Upper

56 100

89 0.0 8.6 12.8

84 88.5 69.6 104.4





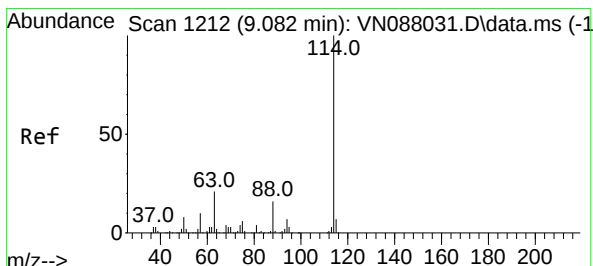
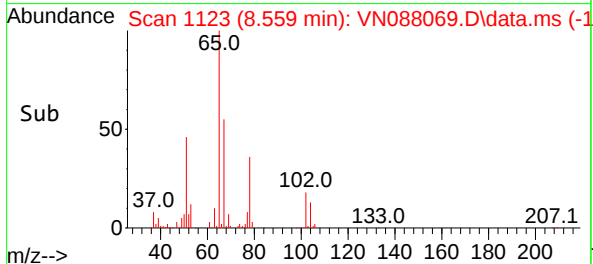
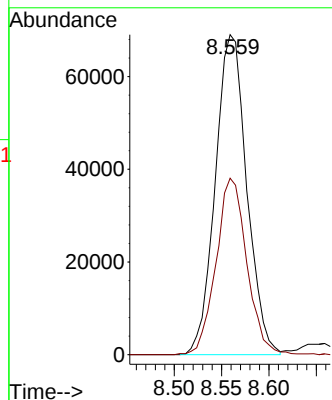
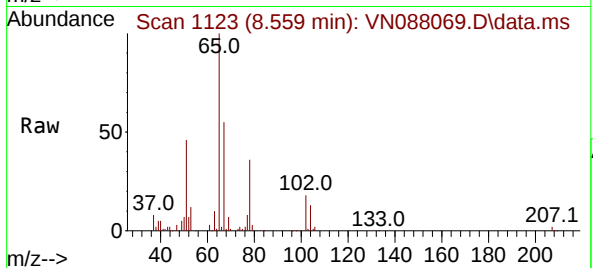
#27
1,2-Dichloroethane-d4
Concen: 32.890 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 65 Resp: 159710
Ion Ratio Lower Upper
65 100
67 53.9 41.9 62.9

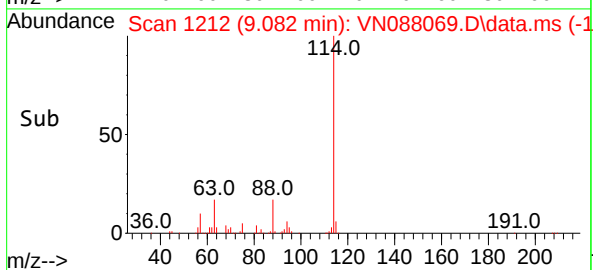
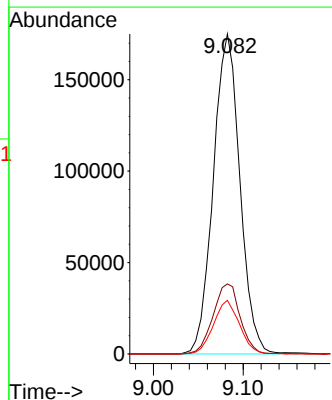
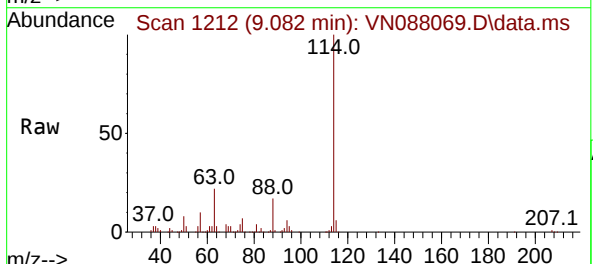
Manual Integrations
APPROVED

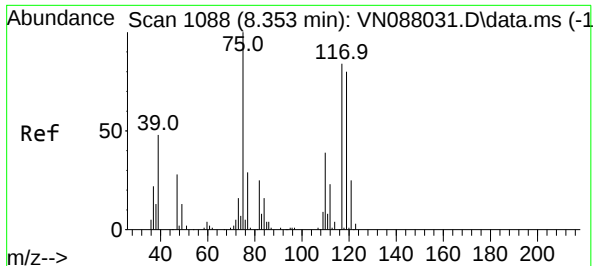
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

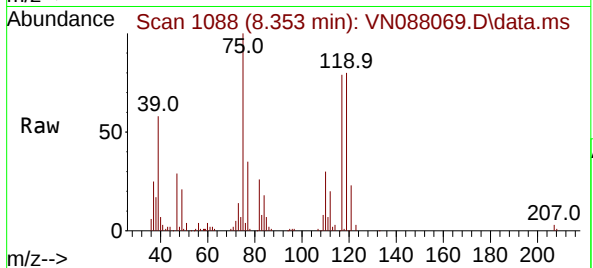
Tgt Ion:114 Resp: 360102
Ion Ratio Lower Upper
114 100
63 22.3 16.6 25.0
88 16.3 12.6 18.8





#29
1,1-Dichloropropene
Concen: 21.025 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

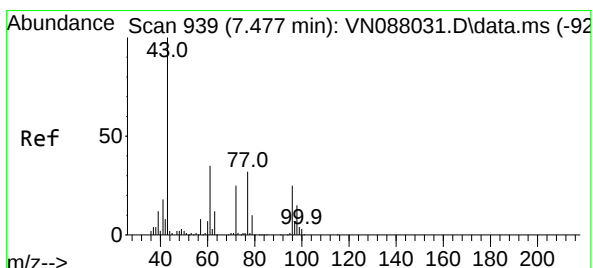
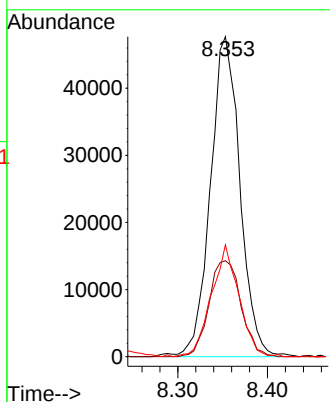
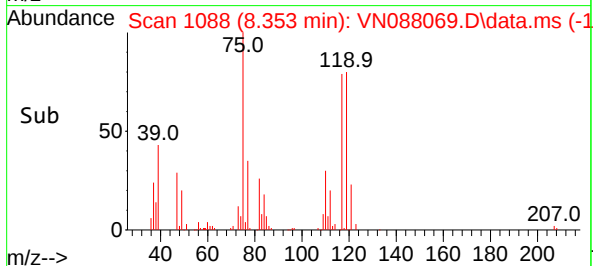
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 75 Resp: 108524
Ion Ratio Lower Upper
75 100
110 32.6 0.0 72.2
77 32.7 0.0 60.6

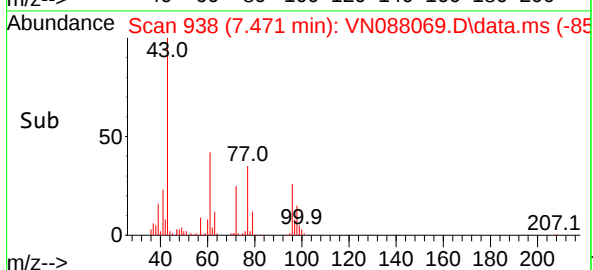
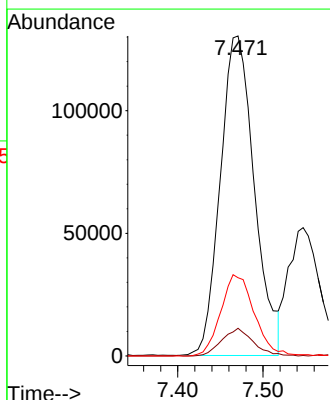
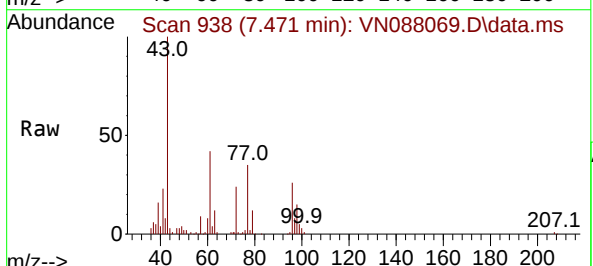
Manual Integrations
APPROVED

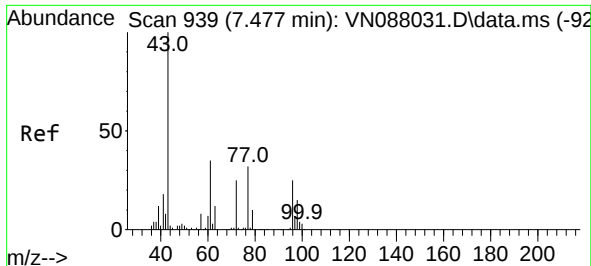
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#30
2-Butanone
Concen: 95.251 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

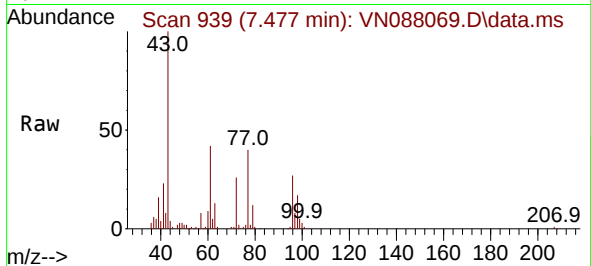
Tgt Ion: 43 Resp: 362613
Ion Ratio Lower Upper
43 100
57 7.9 6.5 9.7
72 25.0 21.4 32.2





#31
2,2-Dichloropropane
Concen: 20.305 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

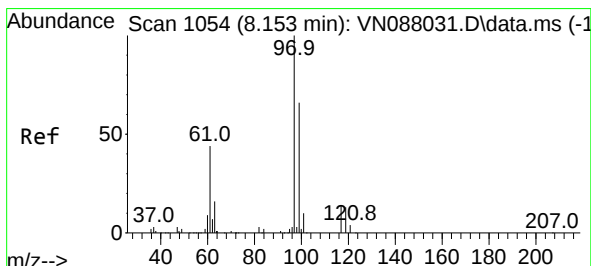
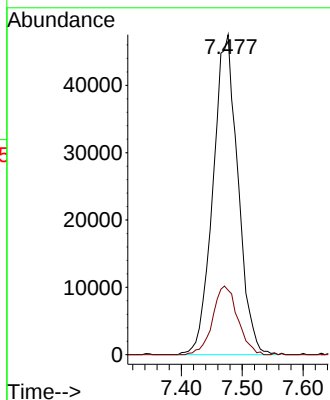
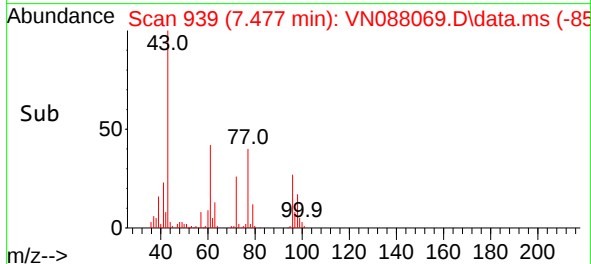
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



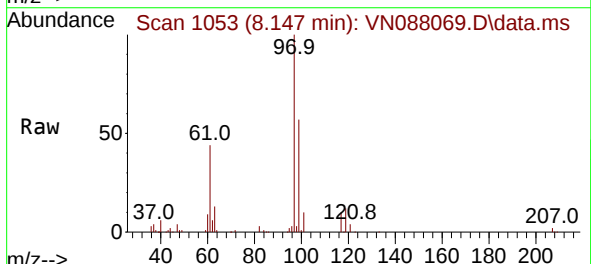
Tgt Ion: 77 Resp: 13504
Ion Ratio Lower Upper
77 100
97 21.6 17.8 26.8

Manual Integrations
APPROVED

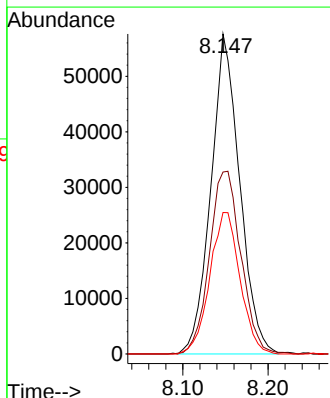
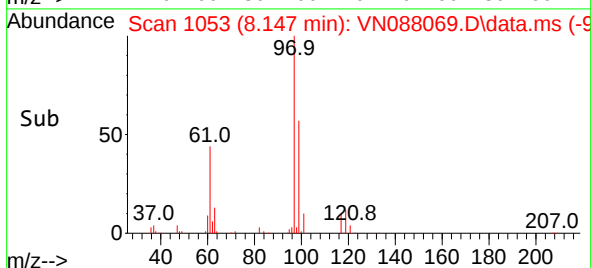
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

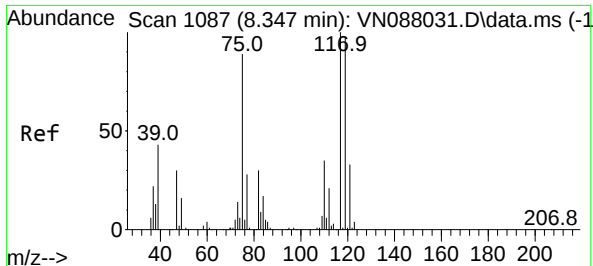


#32
1,1,1-Trichloroethane
Concen: 21.024 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



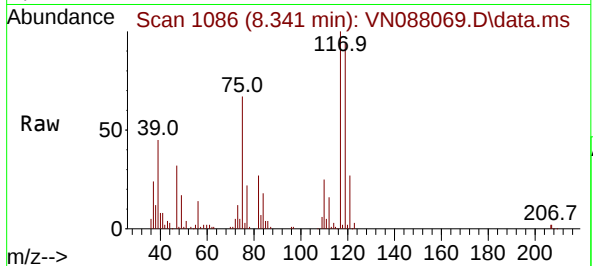
Tgt Ion: 97 Resp: 135598
Ion Ratio Lower Upper
97 100
99 62.4 51.4 77.2
61 46.3 34.7 52.1





#33
Carbon Tetrachloride
Concen: 21.099 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

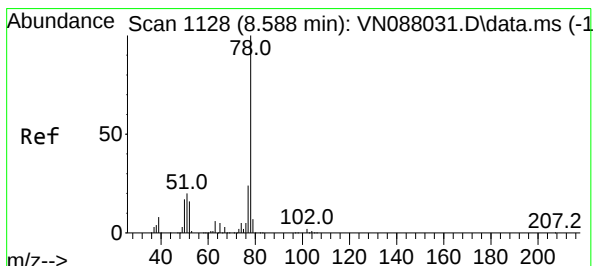
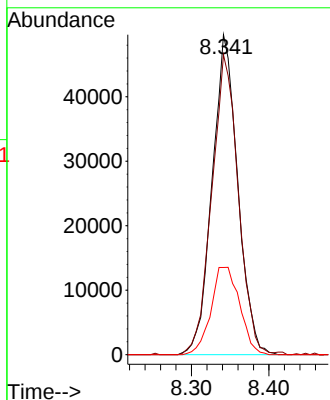
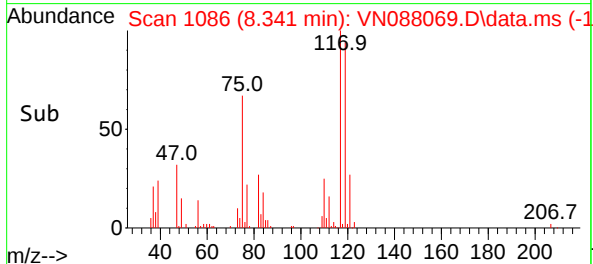
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 117 Resp: 11398
Ion Ratio Lower Upper
117 100
119 93.7 77.9 116.9
121 27.3 26.4 39.6

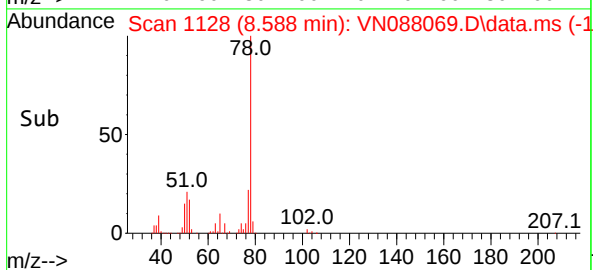
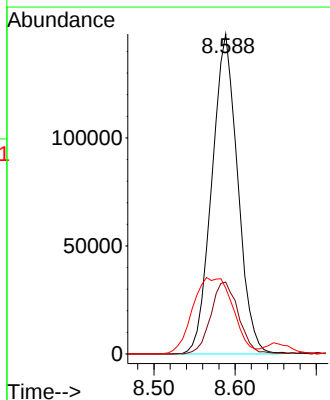
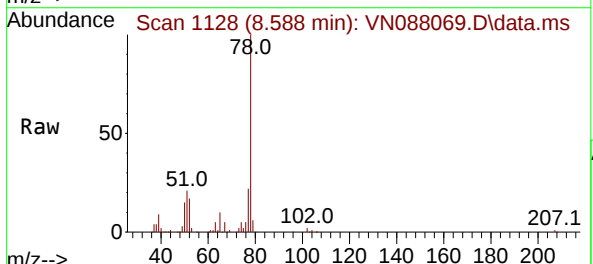
Manual Integrations
APPROVED

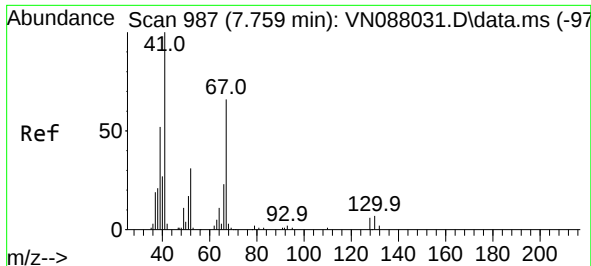
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#34
Benzene
Concen: 19.117 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 78 Resp: 327299
Ion Ratio Lower Upper
78 100
77 22.3 18.9 28.3
51 18.0 15.6 23.4





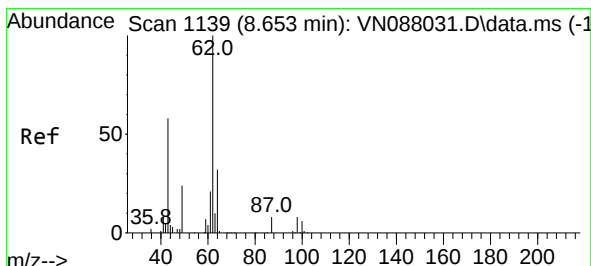
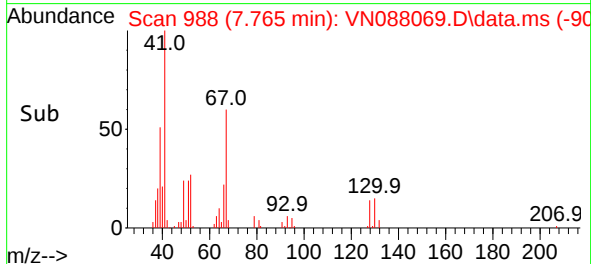
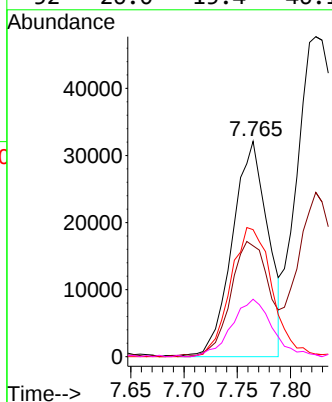
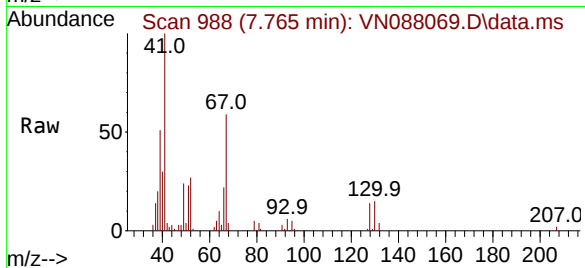
#35
Methacrylonitrile
Concen: 18.631 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 41 Resp: 74584
Ion Ratio Lower Upper
41 100
39 50.9 26.1 78.3
67 59.0 33.1 99.2
52 26.0 15.4 46.1

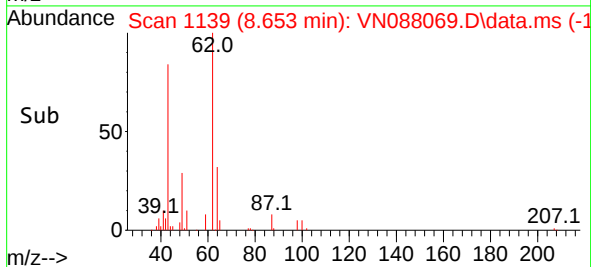
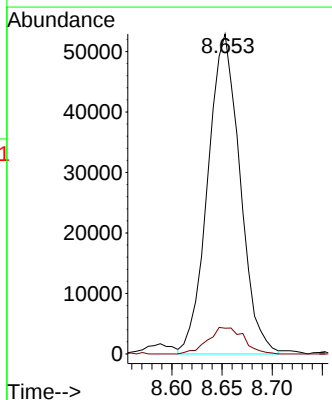
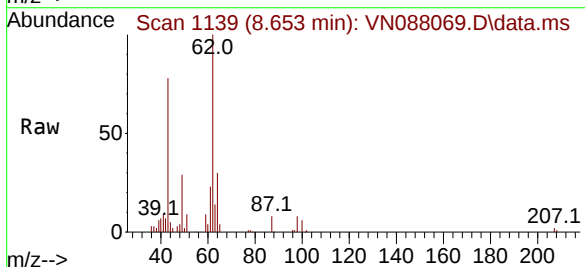
Manual Integrations
APPROVED

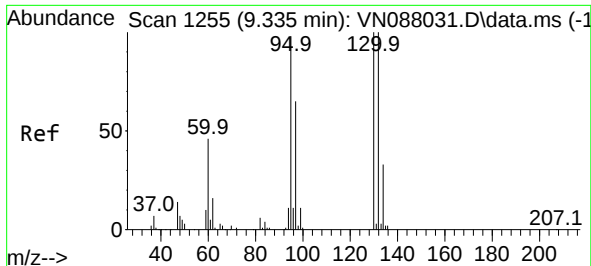
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#36
1,2-Dichloroethane
Concen: 19.886 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 62 Resp: 118196
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6





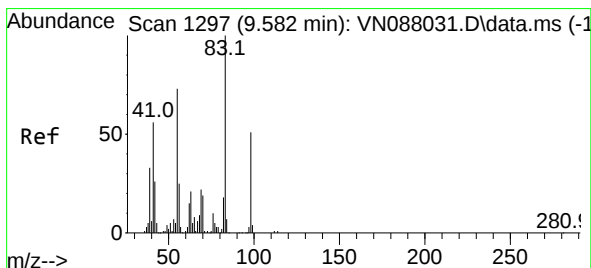
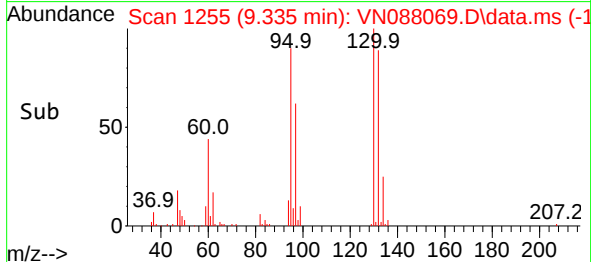
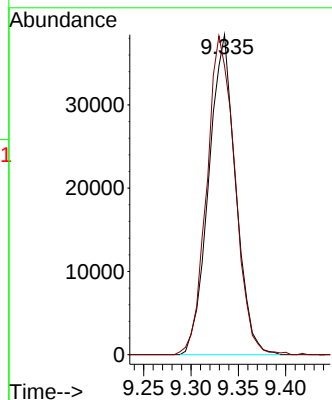
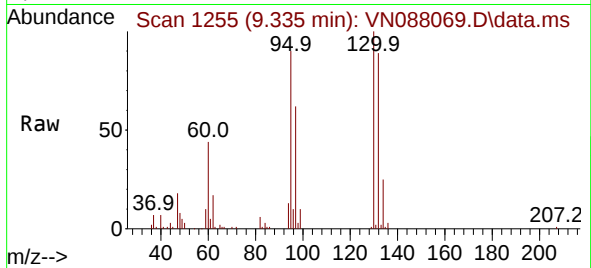
#37
Trichloroethene
Concen: 18.723 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:130 Resp: 75940
Ion Ratio Lower Upper
130 100
95 89.7 78.7 118.1

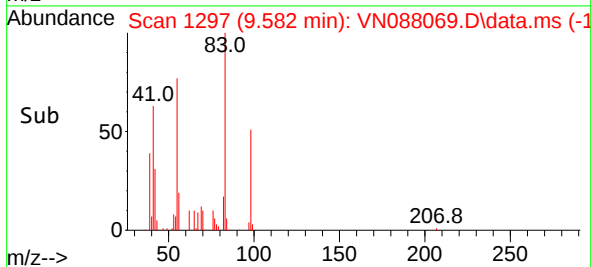
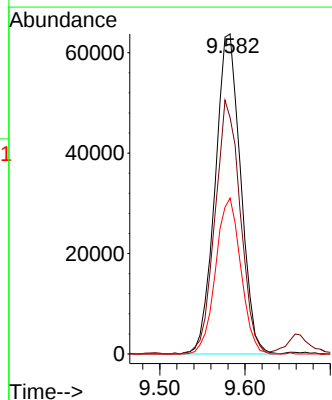
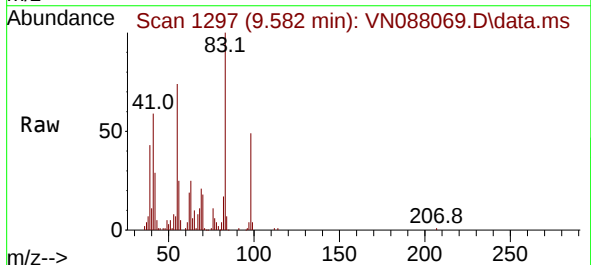
Manual Integrations
APPROVED

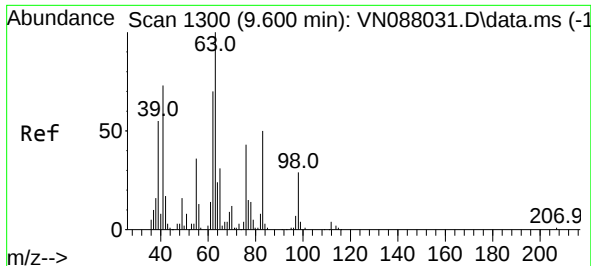
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#38
Methylcyclohexane
Concen: 20.802 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 83 Resp: 132603
Ion Ratio Lower Upper
83 100
55 78.5 37.3 111.9
98 48.0 25.4 76.0





#39

1,2-Dichloropropane

Concen: 19.307 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMSD

Tgt Ion: 63 Resp: 8288

Ion Ratio Lower Upper

63 100

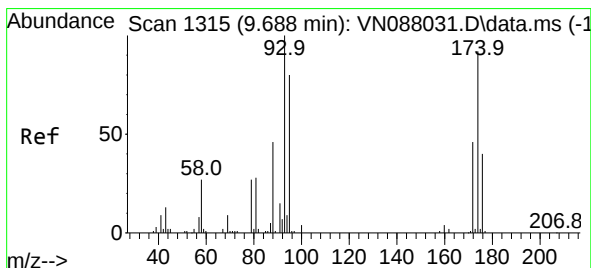
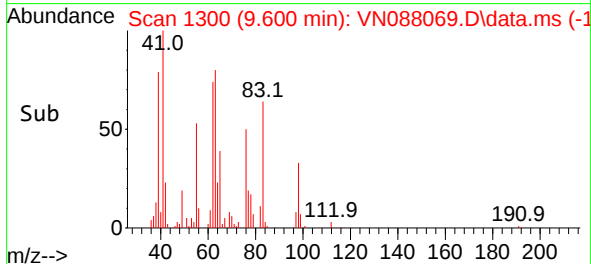
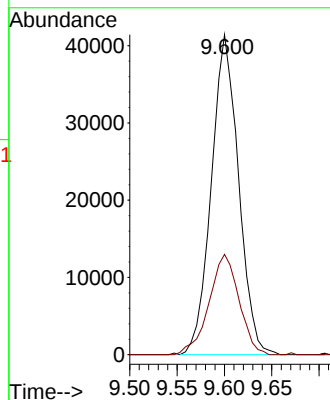
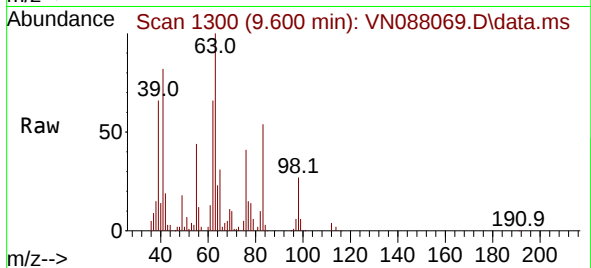
65 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#40

Dibromomethane

Concen: 18.885 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

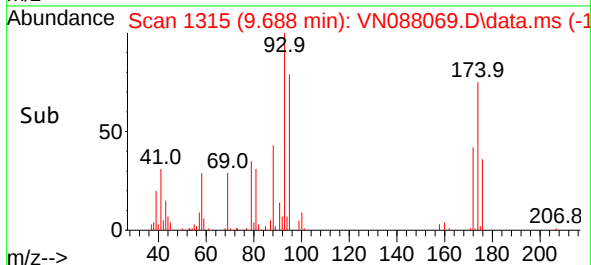
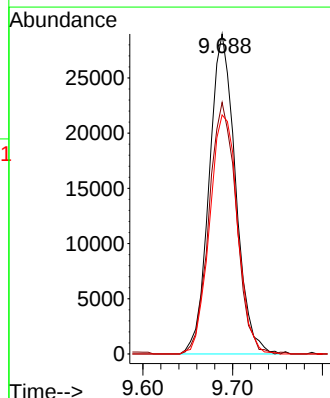
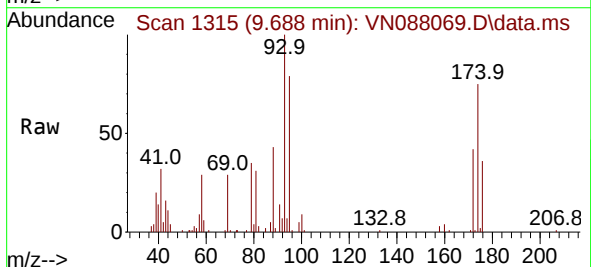
Tgt Ion: 93 Resp: 59013

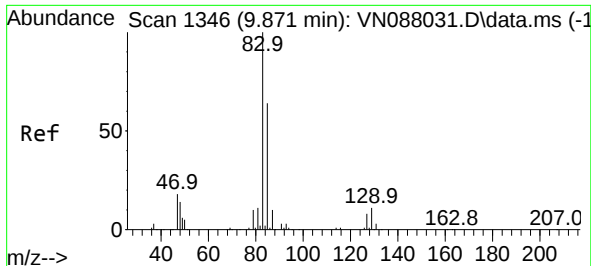
Ion Ratio Lower Upper

93 100

95 81.2 0.0 158.6

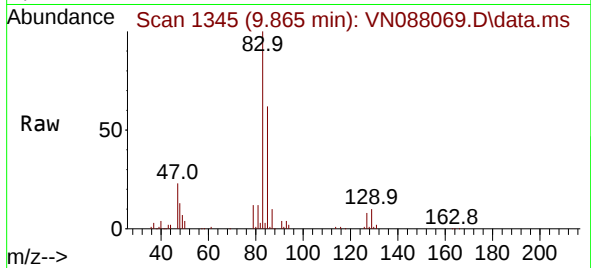
174 79.4 0.0 180.8





#41
Bromodichloromethane
Concen: 20.372 ug/l
RT: 9.865 min Scan# 1345
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

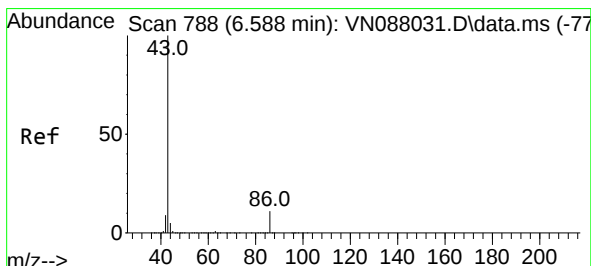
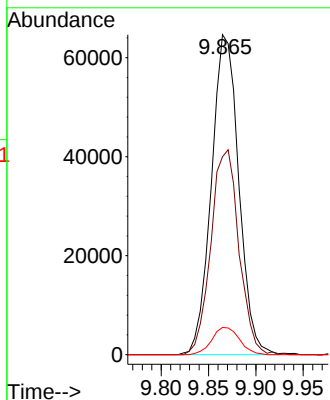
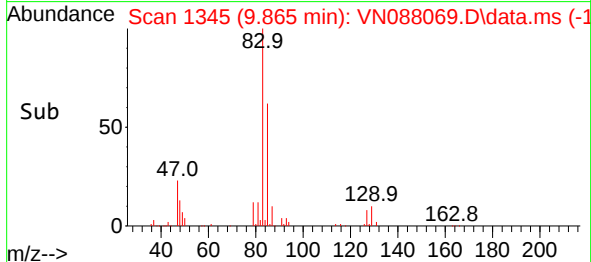
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 83 Resp: 13002
Ion Ratio Lower Upper
83 100
85 61.8 51.0 76.4
127 8.5 6.1 9.1

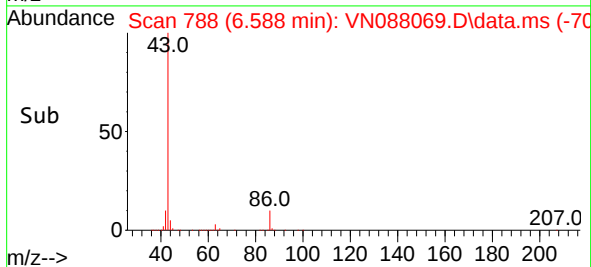
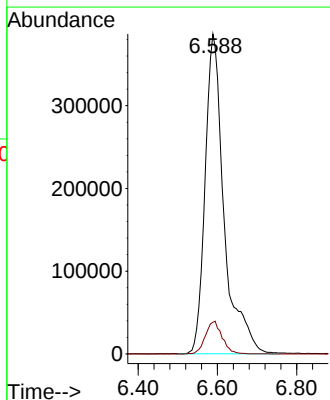
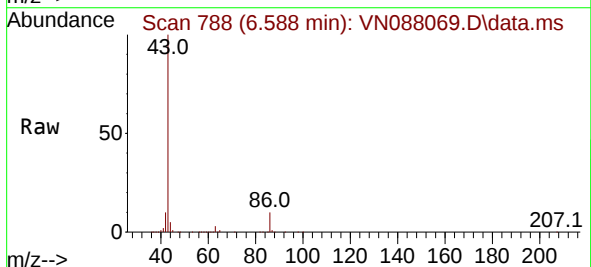
Manual Integrations
APPROVED

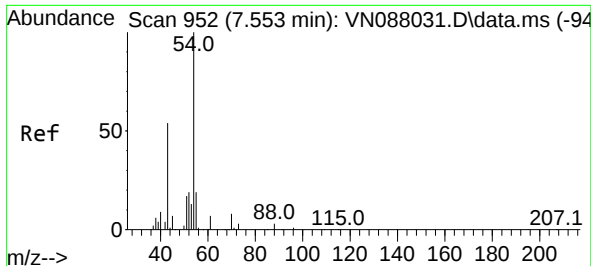
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#42
Vinyl Acetate
Concen: 99.074 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

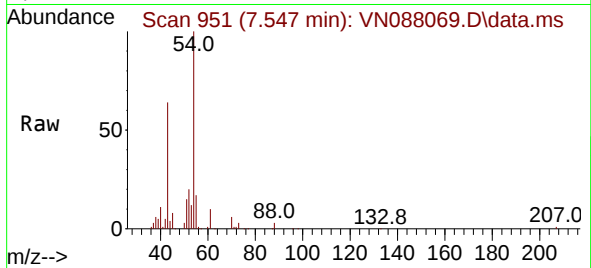
Tgt Ion: 43 Resp: 1284894
Ion Ratio Lower Upper
43 100
86 9.0 8.4 12.6





#43
Ethyl Acetate
Concen: 17.835 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

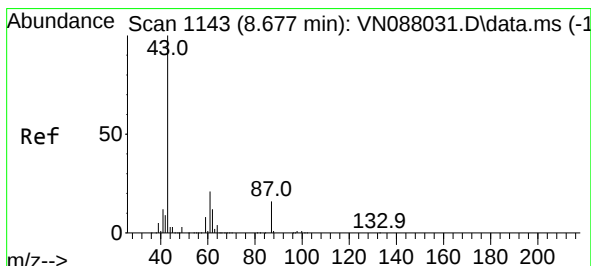
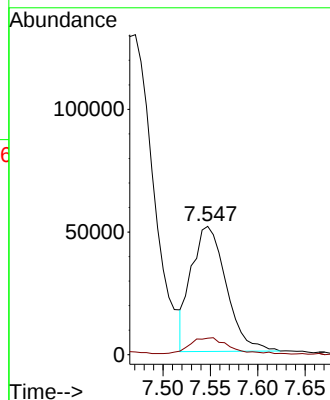
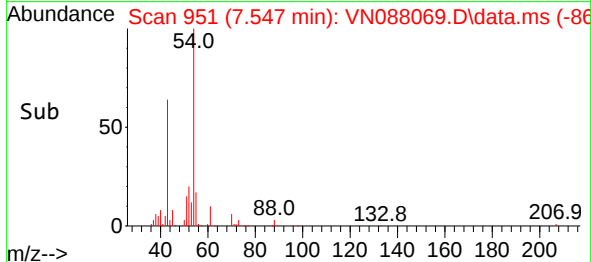
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 43 Resp: 130514
Ion Ratio Lower Upper
43 100
45 5.3 10.2 15.4

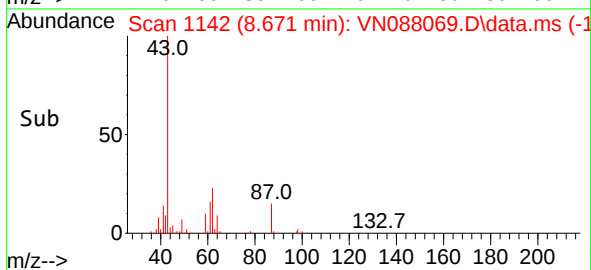
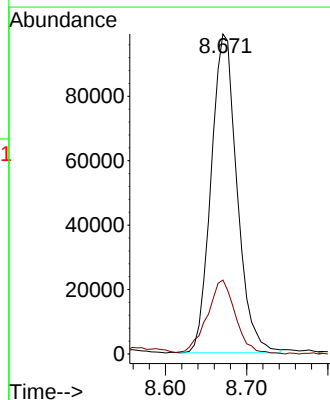
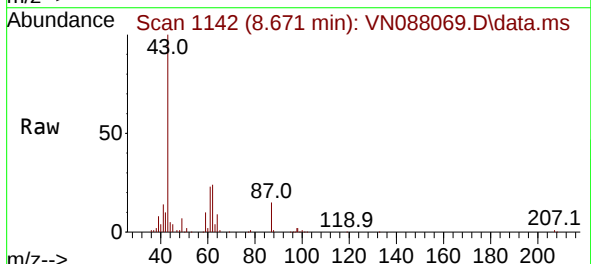
Manual Integrations
APPROVED

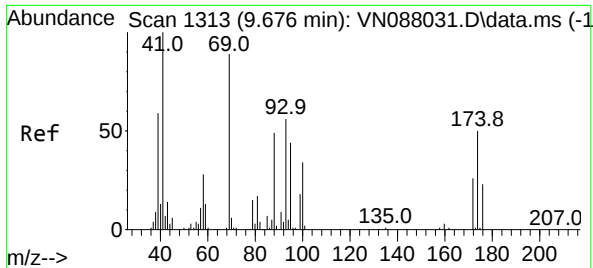
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#44
Isopropyl Acetate
Concen: 18.392 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 43 Resp: 219835
Ion Ratio Lower Upper
43 100
61 25.5 18.7 28.1





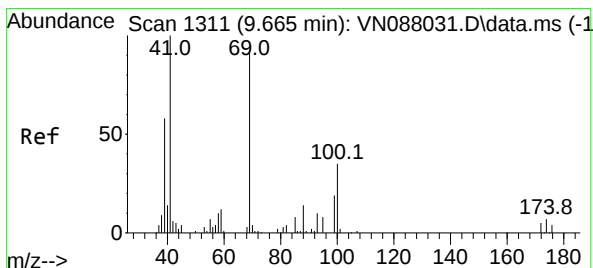
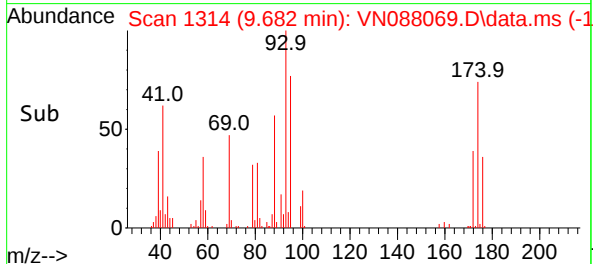
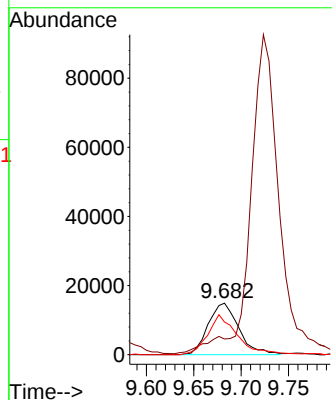
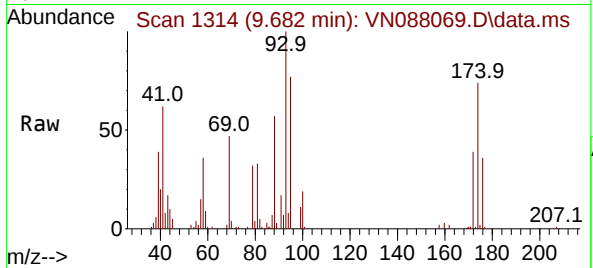
#45
1,4-Dioxane
Concen: 421.867 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 88 Resp: 33530
Ion Ratio Lower Upper
88 100
43 24.5 18.6 27.8
58 75.5 57.4 86.2

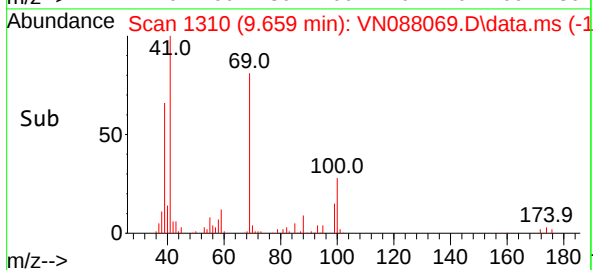
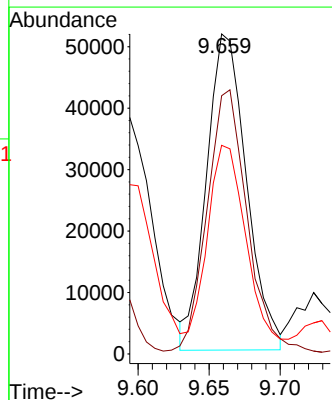
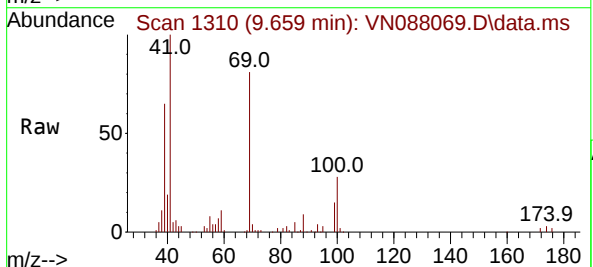
Manual Integrations
APPROVED

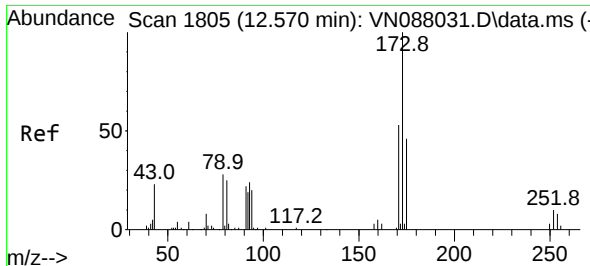
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#46
Methyl methacrylate
Concen: 19.155 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

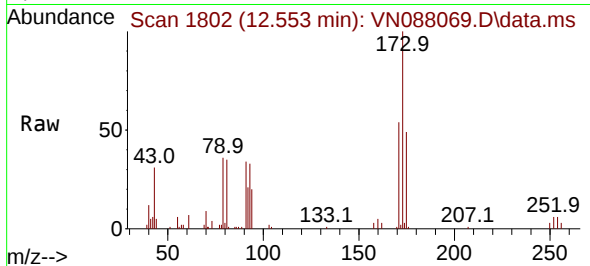
Tgt Ion: 41 Resp: 100825
Ion Ratio Lower Upper
41 100
69 83.2 44.9 134.7
39 64.4 30.3 90.8





#47
n-amy1 Acetate
Concen: 25.151 ug/l m
RT: 12.553 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

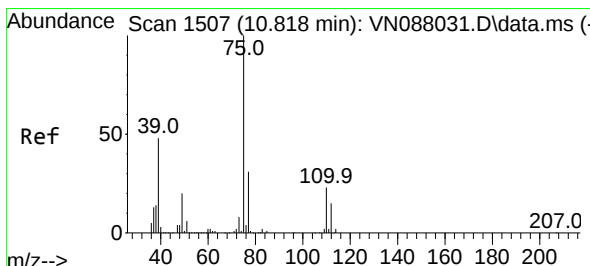
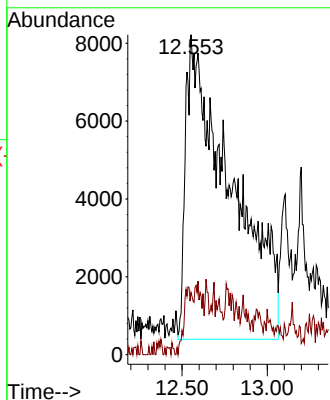
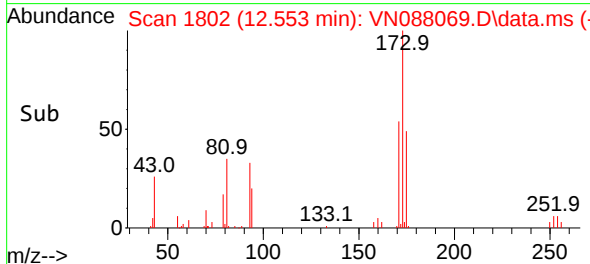
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 43 Resp: 14248
Ion Ratio Lower Upper
43 100
55 0.3 0.6 0.8

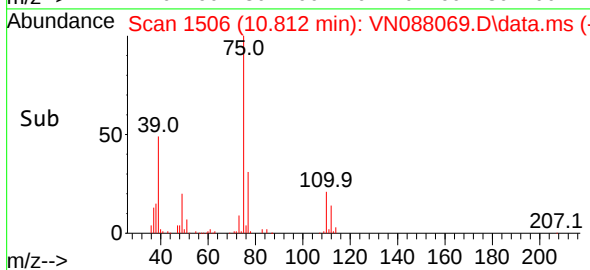
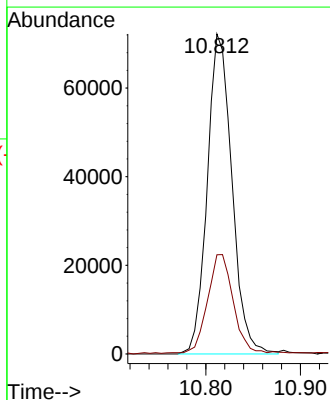
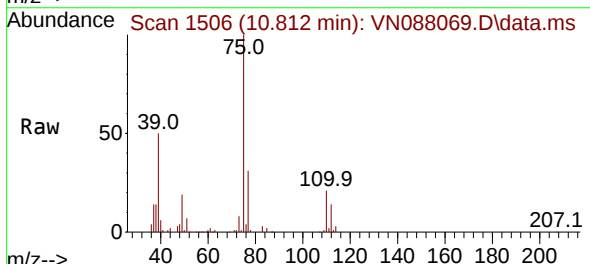
Manual Integrations
APPROVED

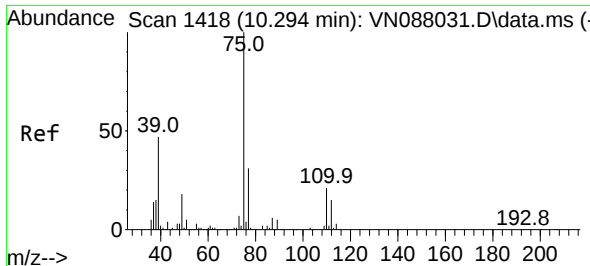
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#48
t-1,3-Dichloropropene
Concen: 18.436 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

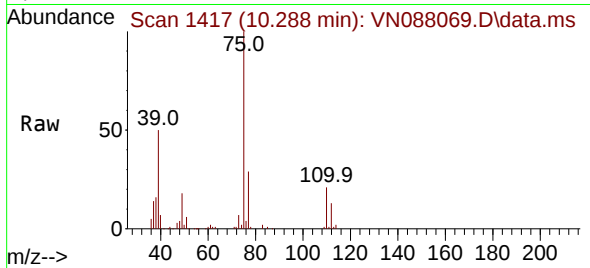
Tgt Ion: 75 Resp: 130834
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7





#49
 cis-1,3-Dichloropropene
 Concen: 18.463 ug/l
 RT: 10.288 min Scan# 1417
 Delta R.T. -0.006 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

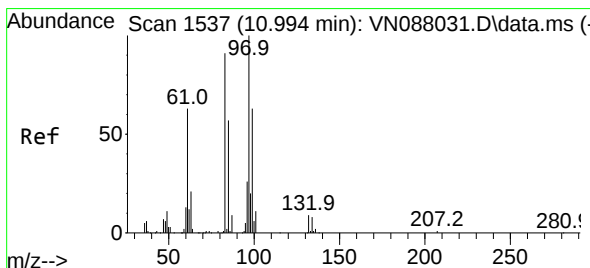
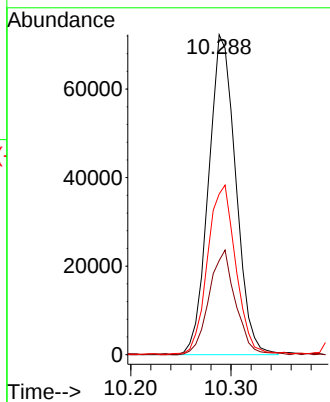
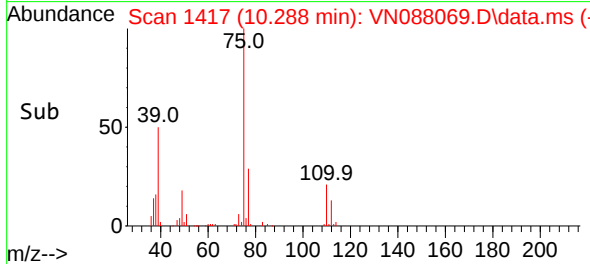
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMSD



Tgt Ion: 75 Resp: 136675
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.0 37.4
 39 49.8 37.4 56.0

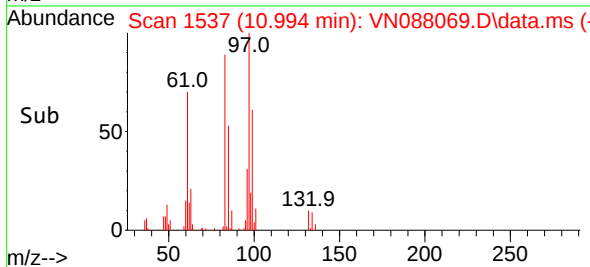
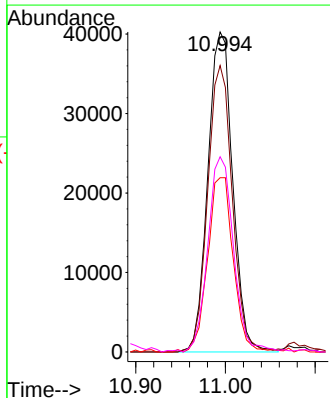
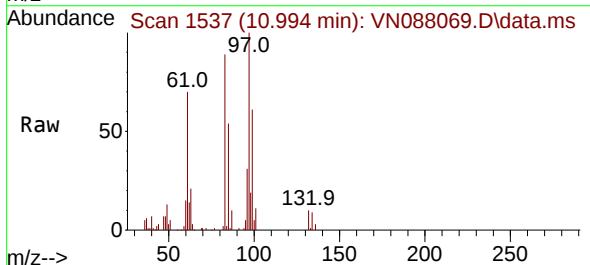
Manual Integrations
 APPROVED

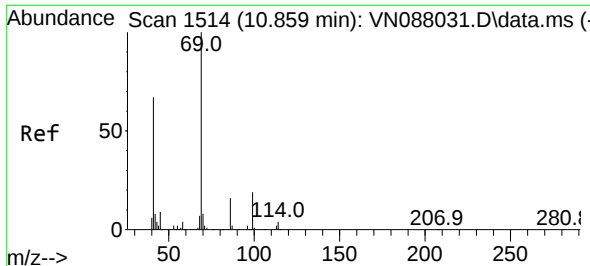
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.725 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

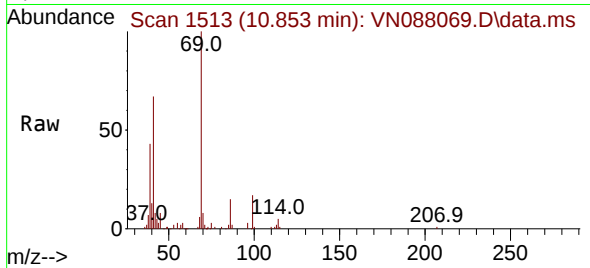
Tgt Ion: 97 Resp: 77489
 Ion Ratio Lower Upper
 97 100
 83 89.5 72.5 108.7
 85 53.9 45.5 68.3
 99 60.5 50.0 75.0





#51
Ethyl methacrylate
Concen: 18.320 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

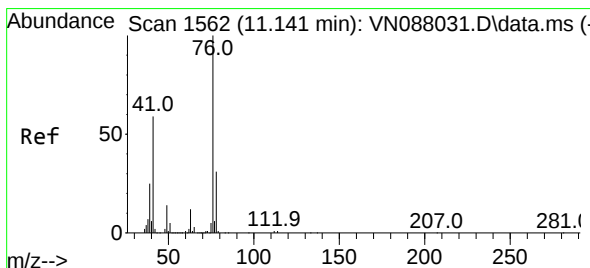
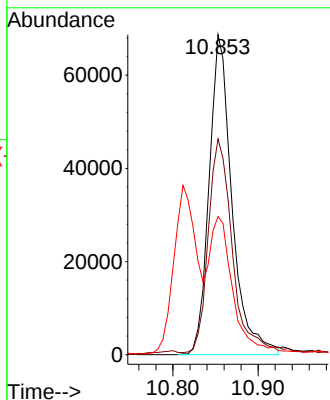
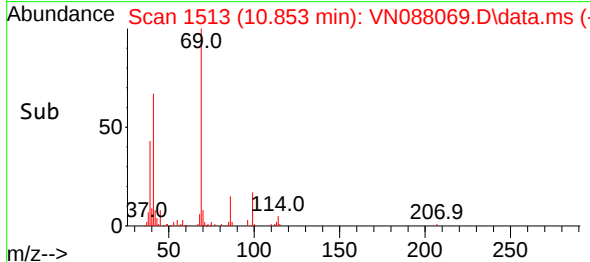
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 69 Resp: 128302
Ion Ratio Lower Upper
69 100
41 66.7 33.3 99.8
39 41.9 20.3 61.0

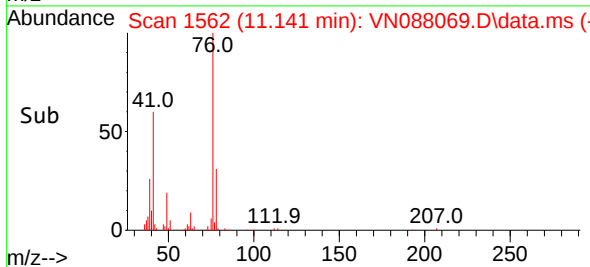
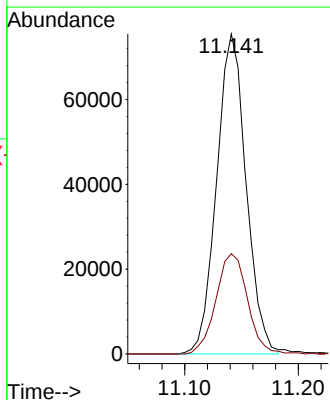
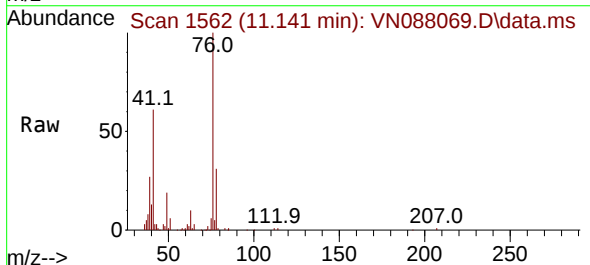
Manual Integrations
APPROVED

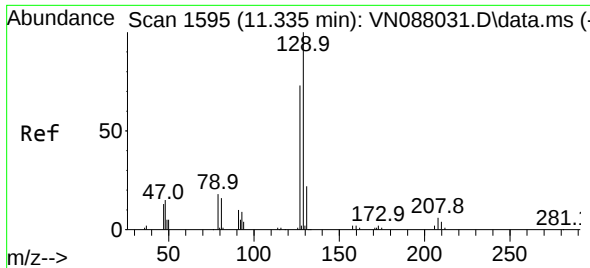
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#52
1,3-Dichloropropane
Concen: 18.832 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 76 Resp: 135965
Ion Ratio Lower Upper
76 100
78 33.4 0.0 65.0





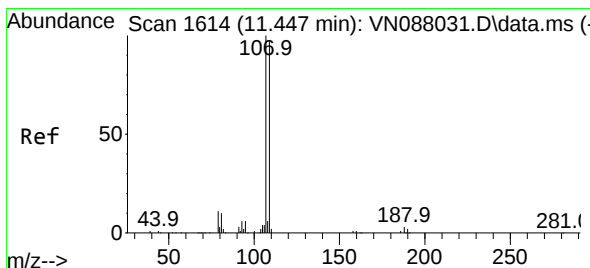
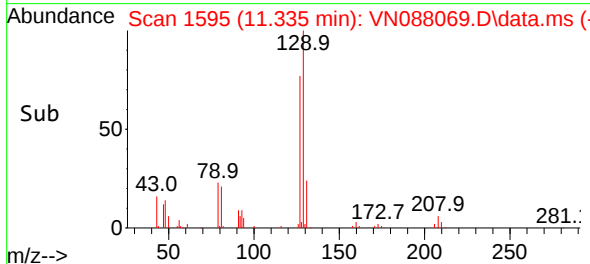
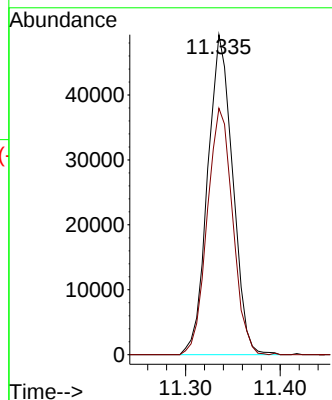
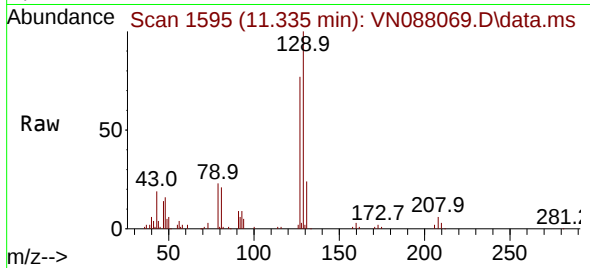
#53
Dibromochloromethane
Concen: 18.291 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:129 Resp: 90490
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

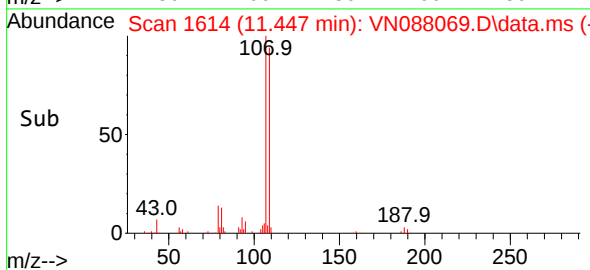
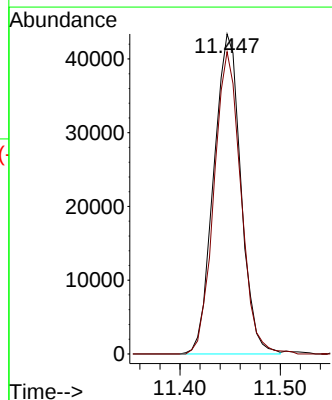
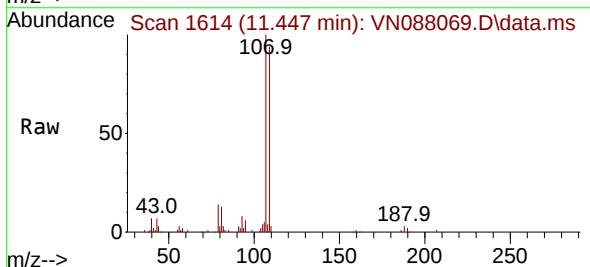
Manual Integrations
APPROVED

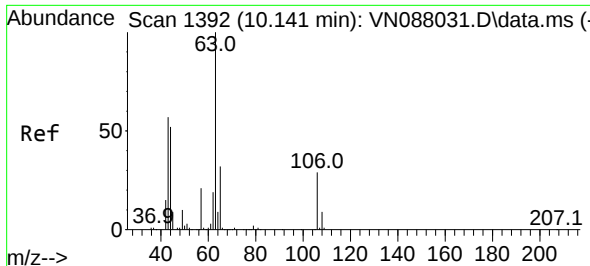
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#54
1,2-Dibromoethane
Concen: 18.462 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion:107 Resp: 81678
Ion Ratio Lower Upper
107 100
109 93.3 75.5 113.3





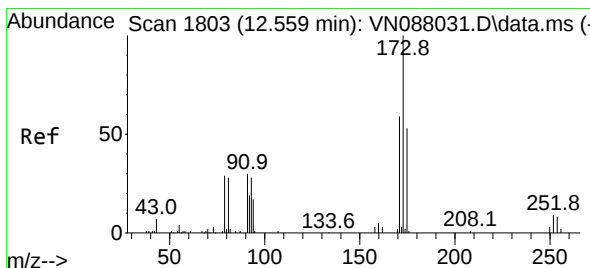
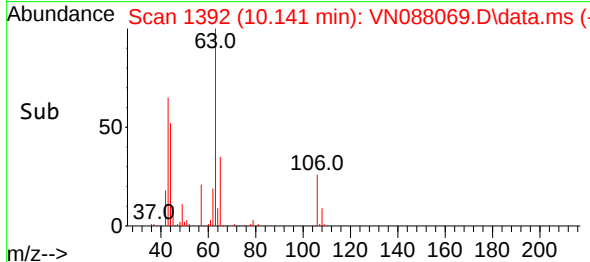
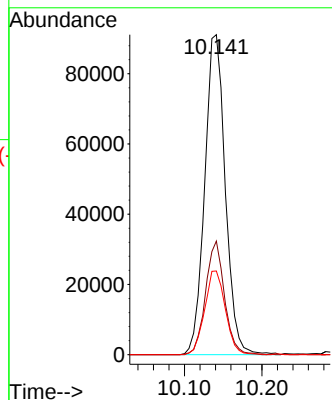
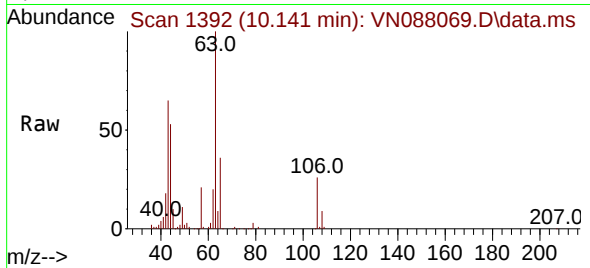
#55
2-Chloroethyl vinyl ether
Concen: 44.522 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 63 Resp: 168300
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 26.4 22.6 34.0

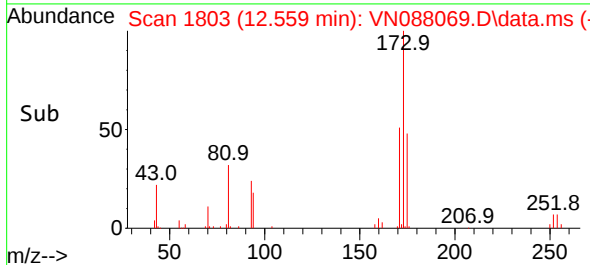
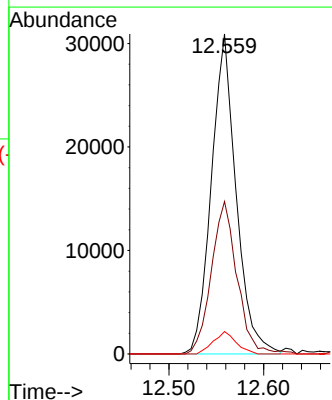
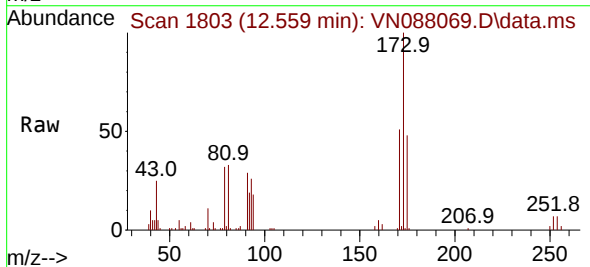
Manual Integrations
APPROVED

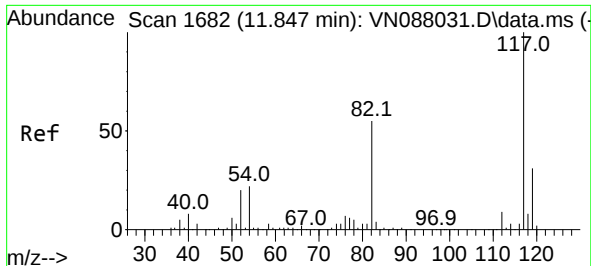
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#56
Bromoform
Concen: 16.788 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

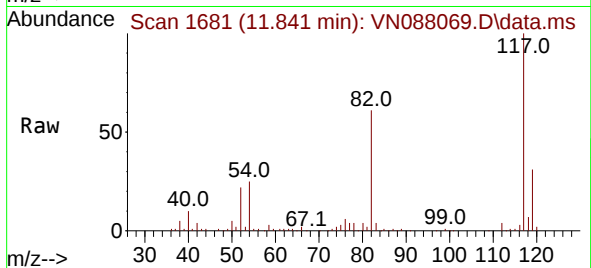
Tgt Ion:173 Resp: 56150
Ion Ratio Lower Upper
173 100
175 49.0 39.6 59.4
254 6.4 6.6 10.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

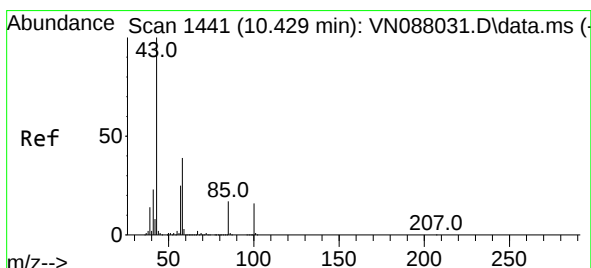
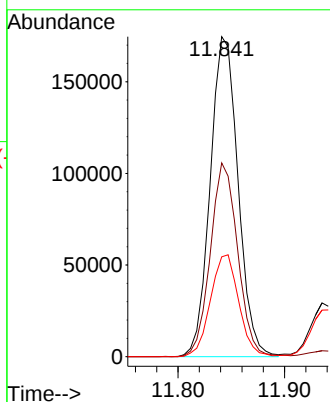
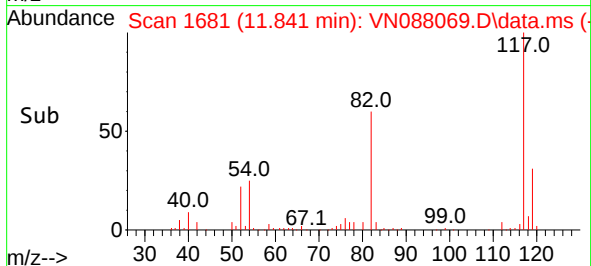
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion:117 Resp: 31729
Ion Ratio Lower Upper
117 100
82 59.5 45.2 67.8
119 32.3 25.9 38.9

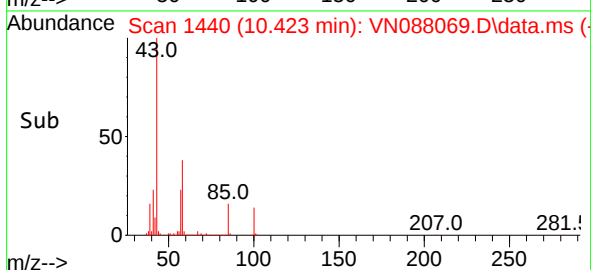
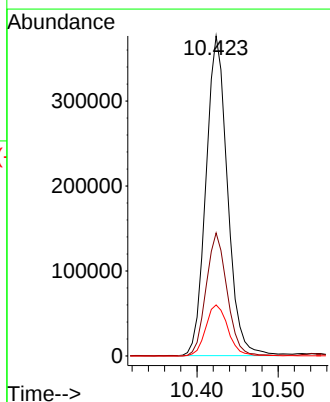
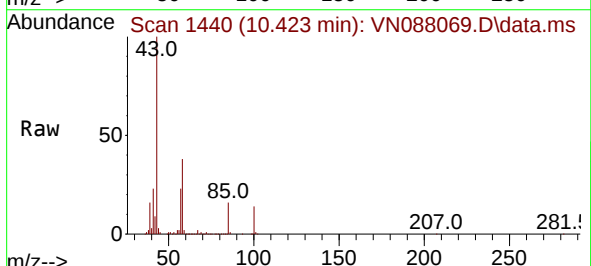
Manual Integrations
APPROVED

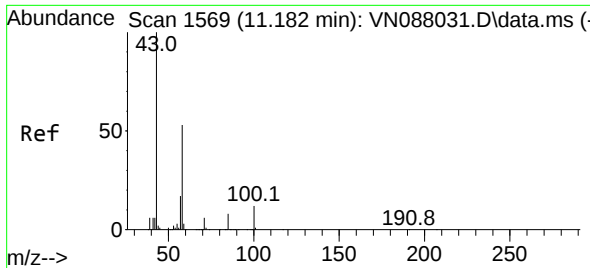
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#58
4-Methyl-2-Pentanone
Concen: 97.647 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

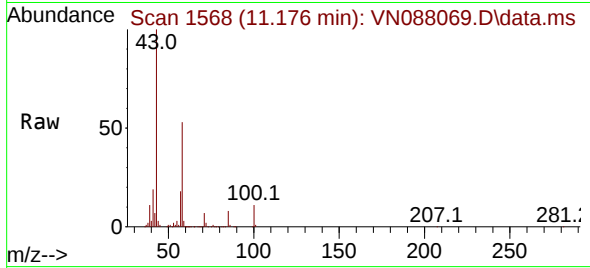
Tgt Ion: 43 Resp: 693012
Ion Ratio Lower Upper
43 100
58 37.5 31.2 46.8
85 16.4 13.7 20.5





#59
2-Hexanone
Concen: 97.713 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

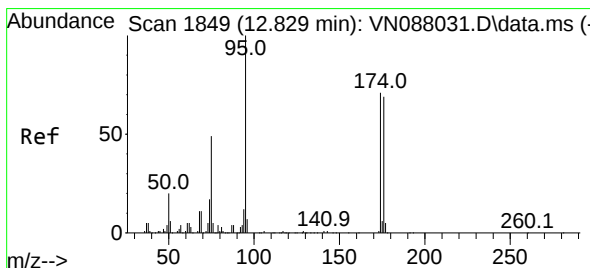
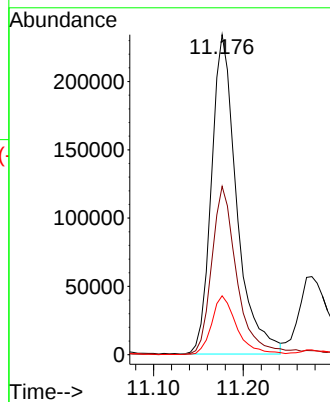
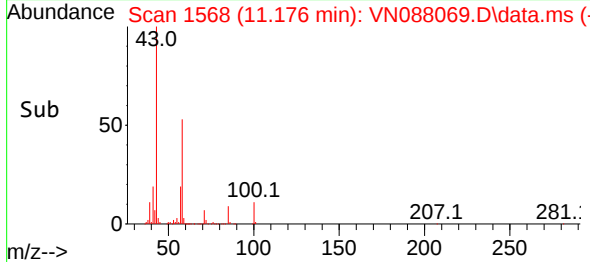
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 43 Resp: 457862
Ion Ratio Lower Upper
43 100
58 52.0 43.1 64.7
57 18.0 14.6 21.8

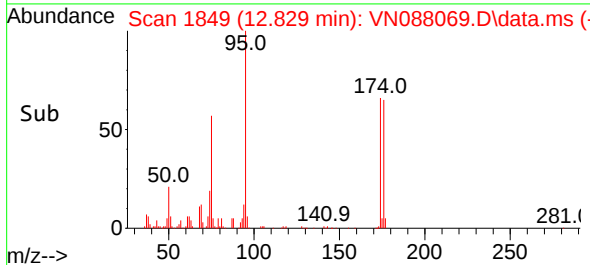
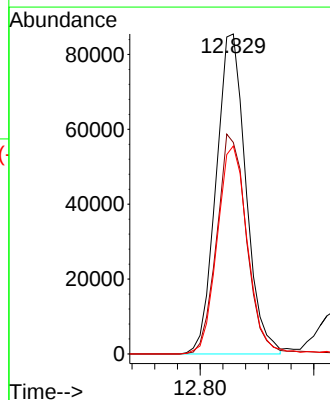
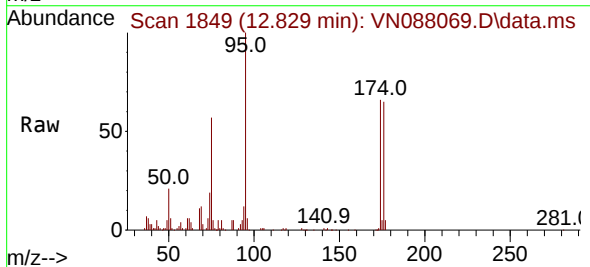
Manual Integrations
APPROVED

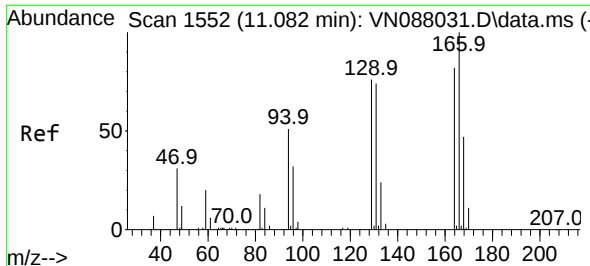
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#60
4-Bromofluorobenzene
Concen: 29.758 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 95 Resp: 155658
Ion Ratio Lower Upper
95 100
174 68.3 57.4 86.0
176 66.1 57.0 85.4





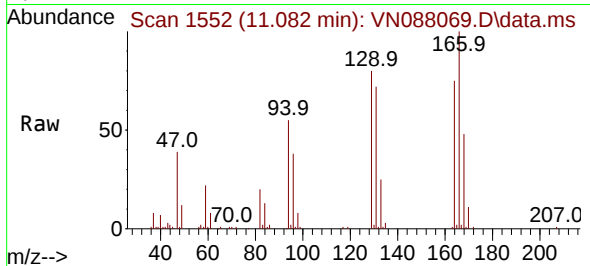
#61
Tetrachloroethene
Concen: 18.777 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMSD



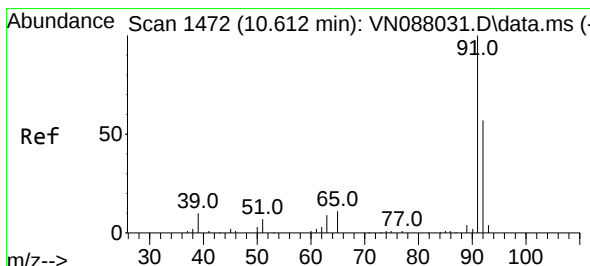
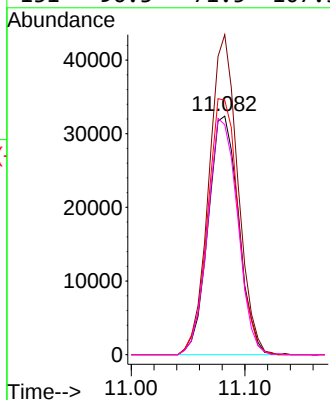
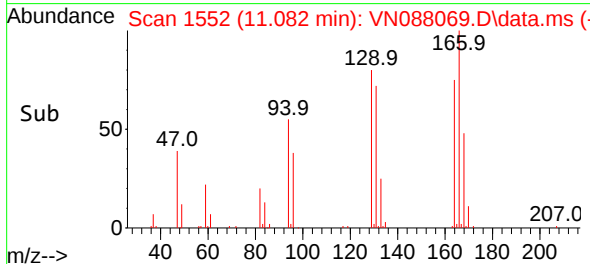
Tgt Ion:164 Resp: 6033
Ion Ratio Lower Upper
164 100
166 134.1 97.2 145.8
129 106.7 73.7 110.5
131 96.3 71.5 107.3

Manual Integrations

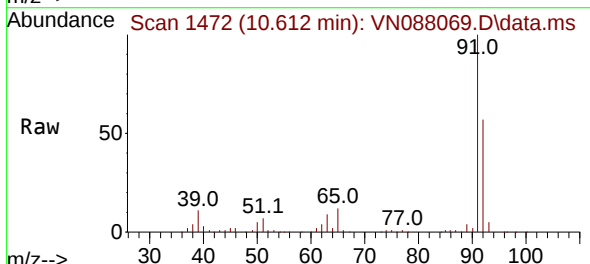
APPROVED

Reviewed By :John Carlone 10/20/2025

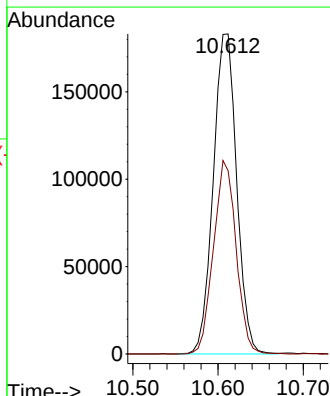
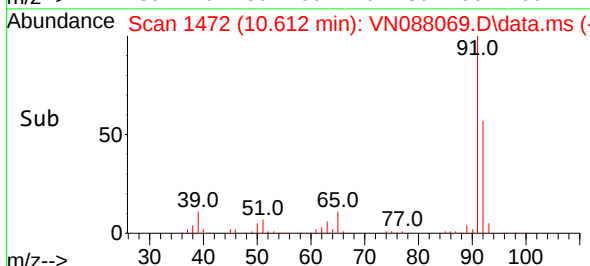
Supervised By :Mahesh Dadoda 10/20/2025

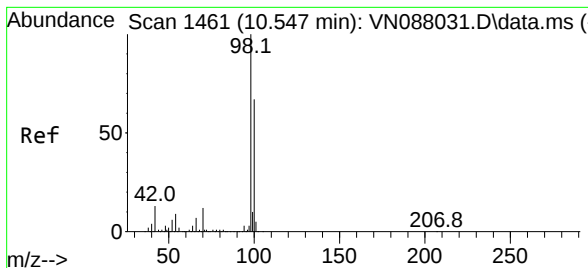


#62
Toluene
Concen: 19.438 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



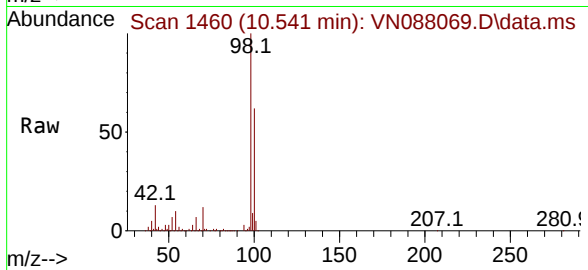
Tgt Ion: 91 Resp: 349848
Ion Ratio Lower Upper
91 100
92 58.5 45.8 68.8





#63
Toluene-d8
Concen: 31.380 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

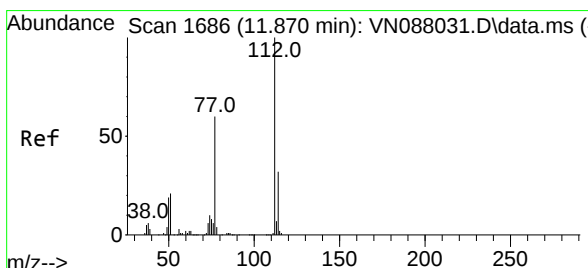
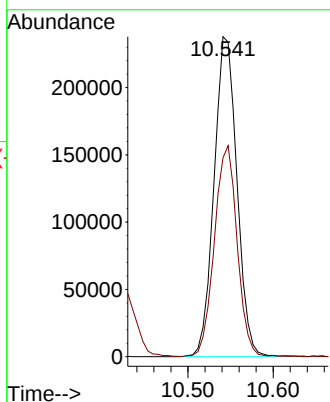
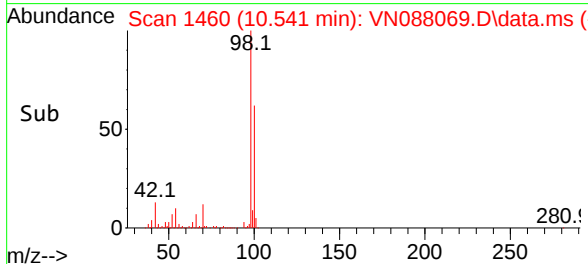
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 98 Resp: 443618
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7

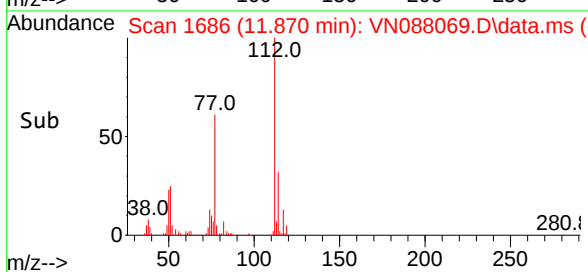
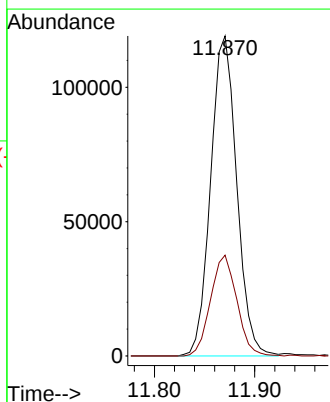
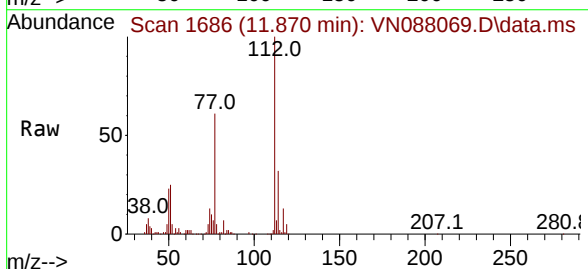
Manual Integrations
APPROVED

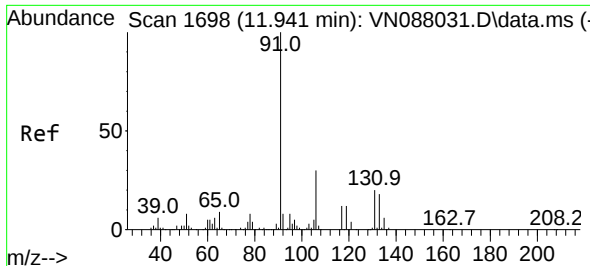
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#64
Chlorobenzene
Concen: 18.740 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion:112 Resp: 215429
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5





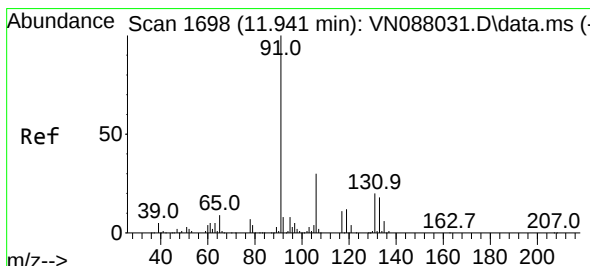
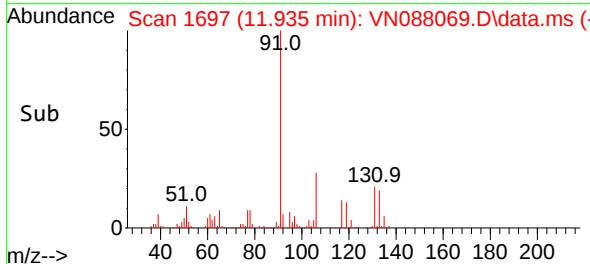
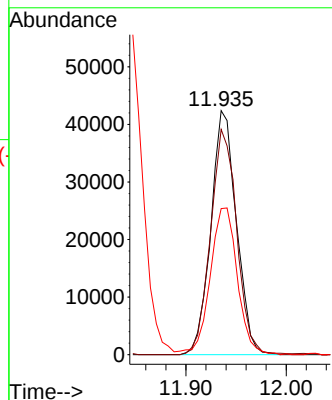
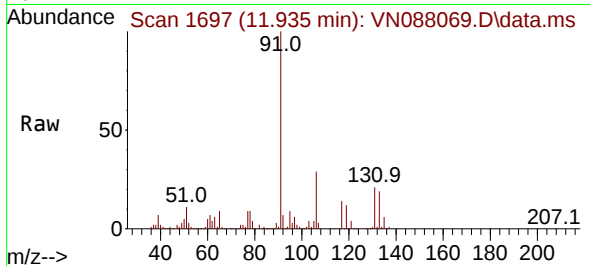
#65
1,1,1,2-Tetrachloroethane
Concen: 18.961 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:131 Resp: 75119
Ion Ratio Lower Upper
131 100
133 94.7 0.0 183.8
119 63.9 0.0 132.0

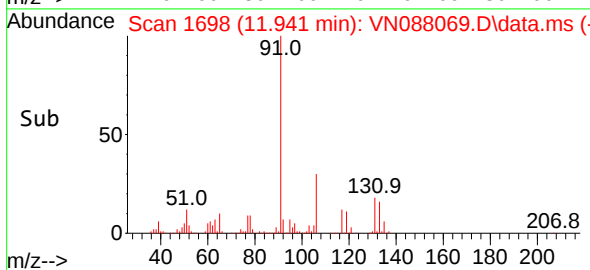
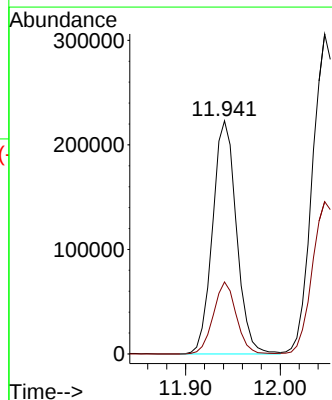
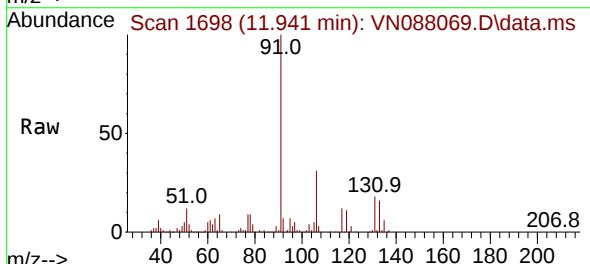
Manual Integrations
APPROVED

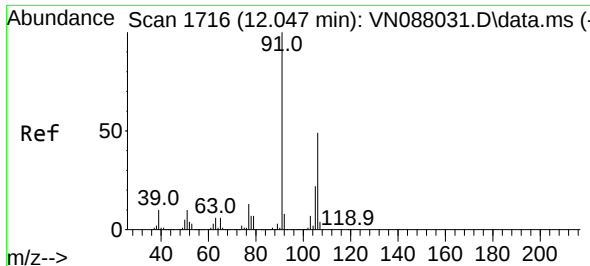
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#66
Ethyl Benzene
Concen: 19.980 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 91 Resp: 391022
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0





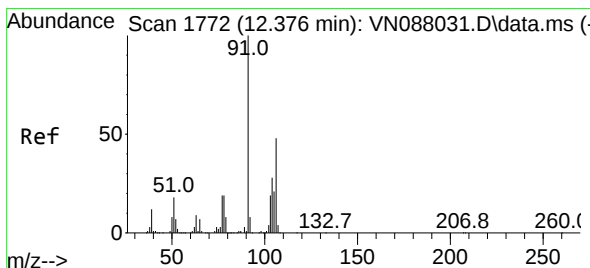
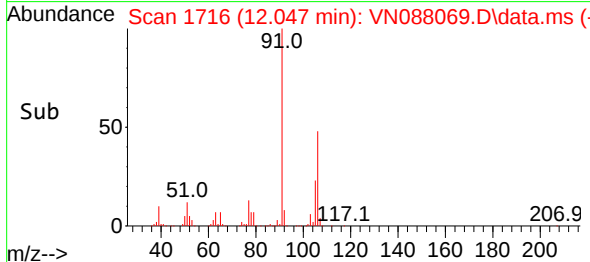
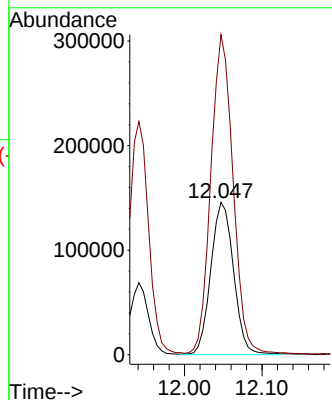
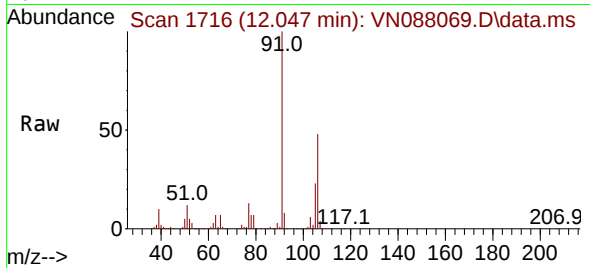
#67
m/p-Xylenes
Concen: 39.456 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:106 Resp: 297679
Ion Ratio Lower Upper
106 100
91 205.8 161.4 242.0

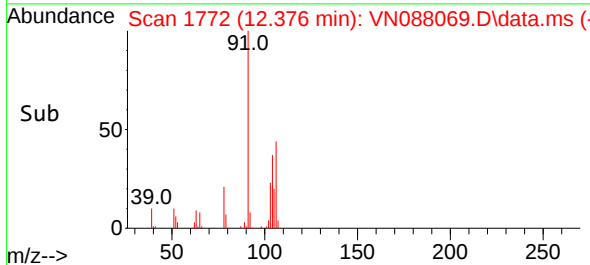
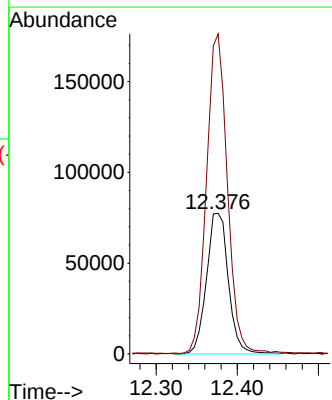
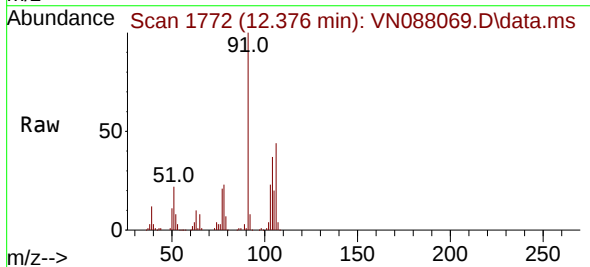
Manual Integrations
APPROVED

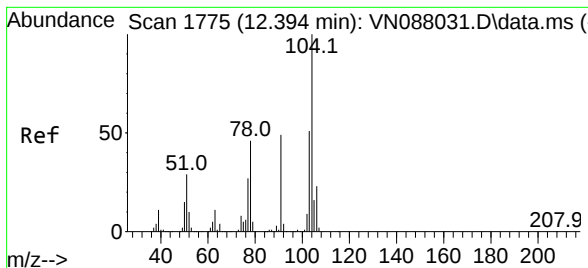
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#68
o-Xylene
Concen: 19.283 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion:106 Resp: 144826
Ion Ratio Lower Upper
106 100
91 215.3 105.2 315.6





#69

Styrene

Concen: 19.211 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMSD

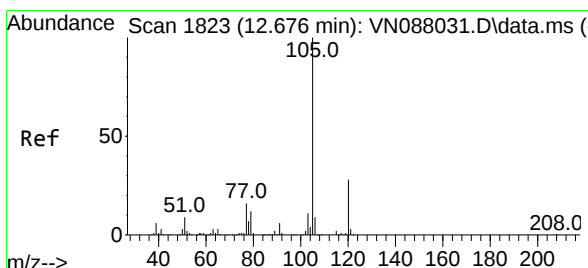
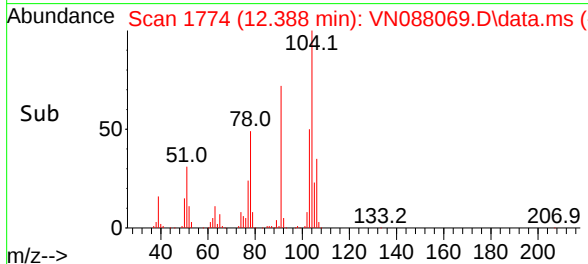
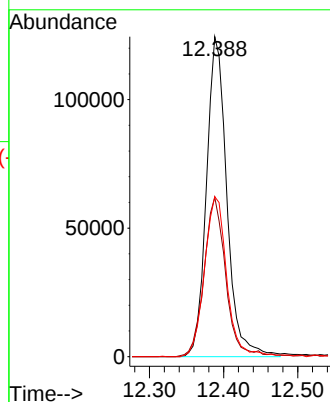
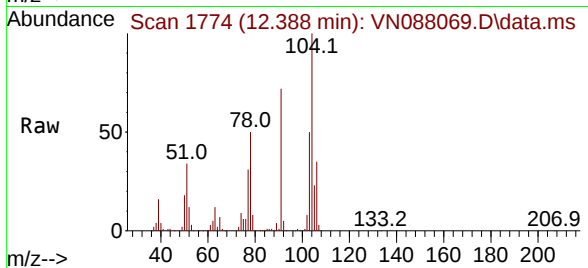
Tgt Ion:104	Resp: 238678
Ion Ratio	Lower Upper
104 100	
78 51.8	41.8 62.6
103 53.4	44.9 67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025



#70

Isopropylbenzene

Concen: 20.113 ug/l

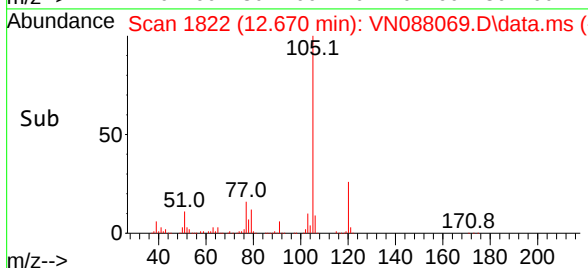
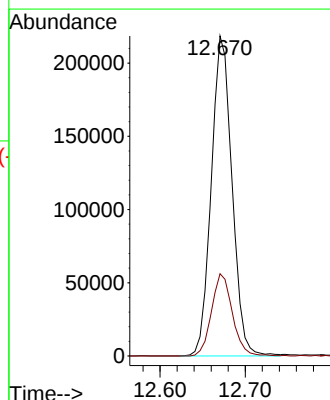
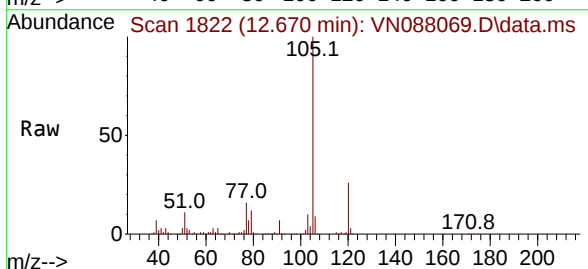
RT: 12.670 min Scan# 1822

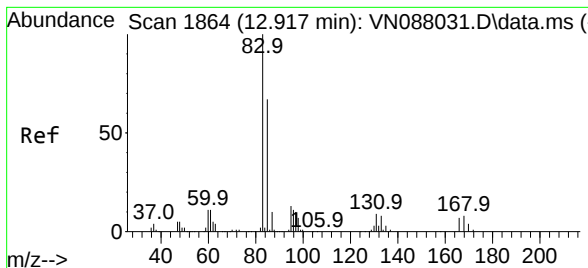
Delta R.T. -0.006 min

Lab File: VN088069.D

Acq: 17 Oct 2025 16:00

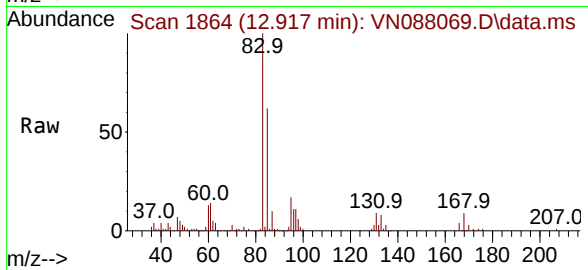
Tgt Ion:105	Resp: 370230
Ion Ratio	Lower Upper
105 100	
120 25.8	19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 19.604 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

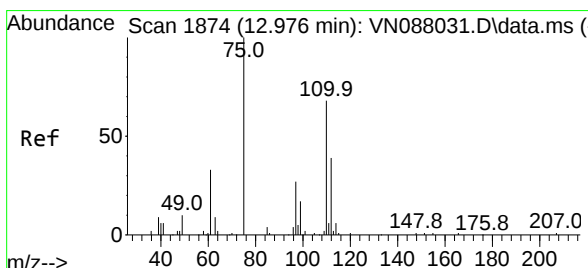
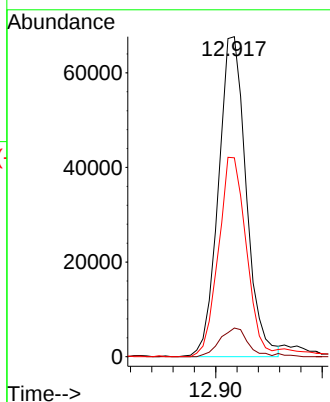
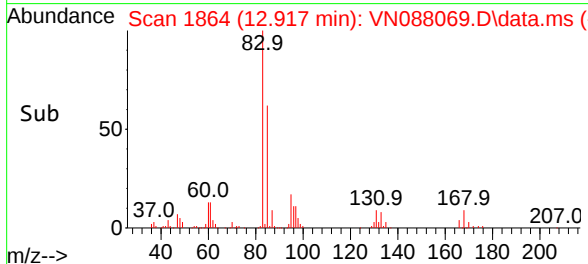
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



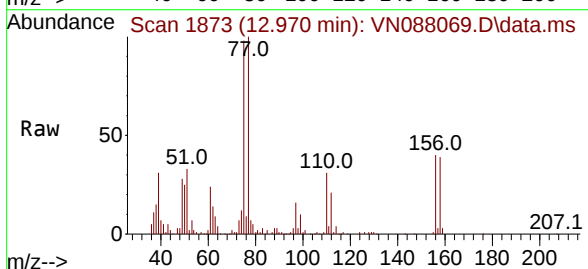
Tgt Ion: 83 Resp: 122344
Ion Ratio Lower Upper
83 100
131 9.0 4.8 14.3
85 62.3 32.4 97.2

Manual Integrations
APPROVED

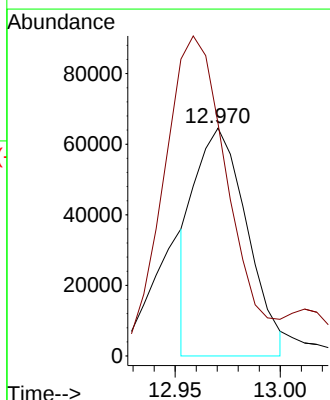
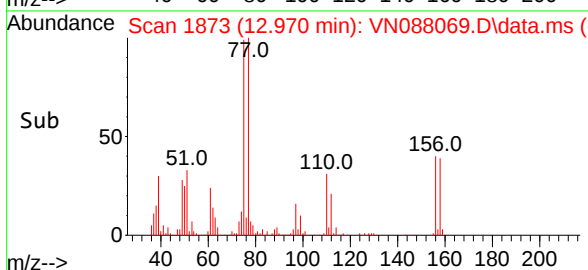
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

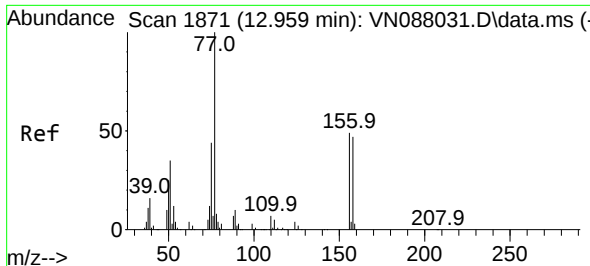


#72
1,2,3-Trichloropropane
Concen: 19.315 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



Tgt Ion: 75 Resp: 111947
Ion Ratio Lower Upper
75 100
77 174.4 0.0 364.0





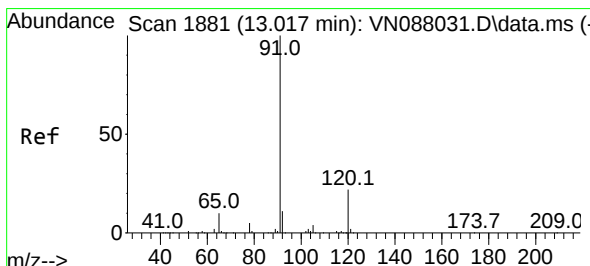
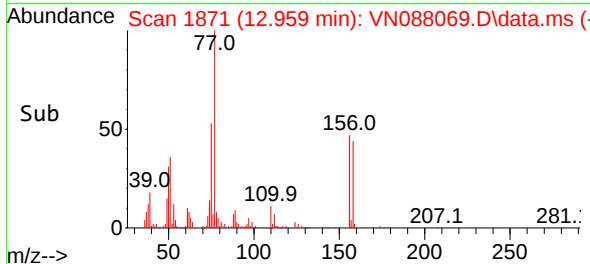
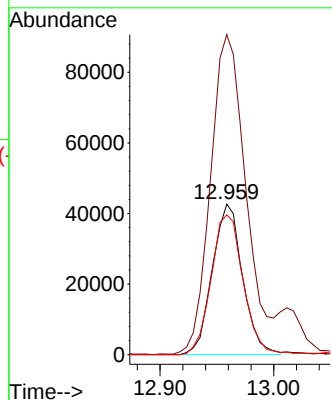
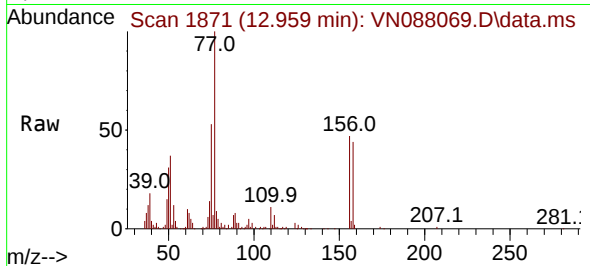
#73
Bromobenzene
Concen: 17.581 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion:156 Resp: 79098
Ion Ratio Lower Upper
156 100
77 246.9 0.0 439.8
158 98.0 0.0 190.0

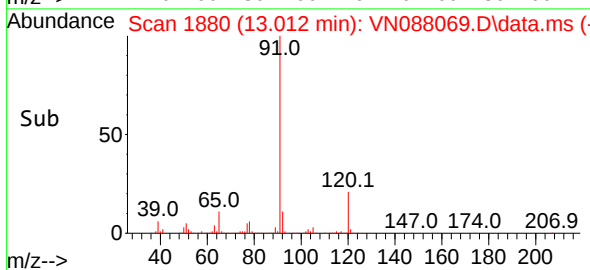
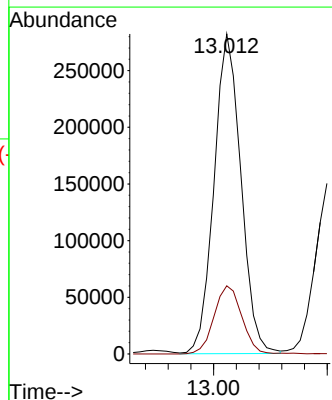
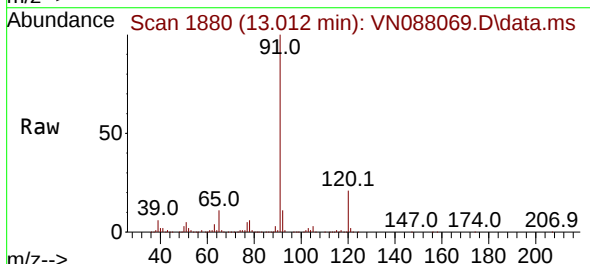
Manual Integrations
APPROVED

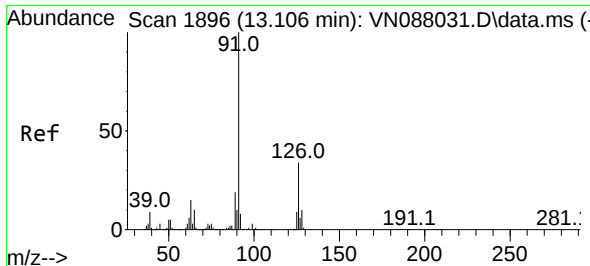
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#74
n-propylbenzene
Concen: 20.866 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion: 91 Resp: 463682
Ion Ratio Lower Upper
91 100
120 21.9 0.0 46.2





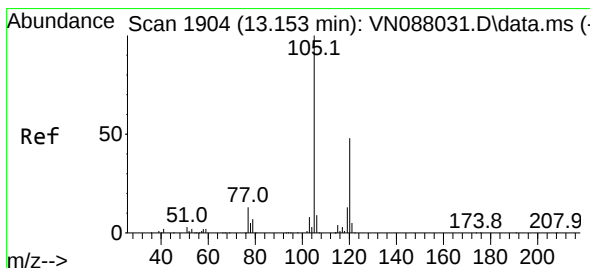
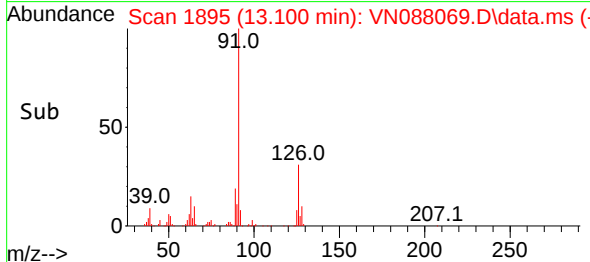
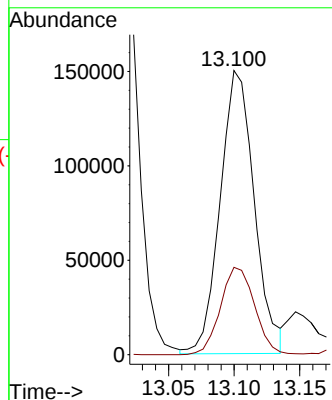
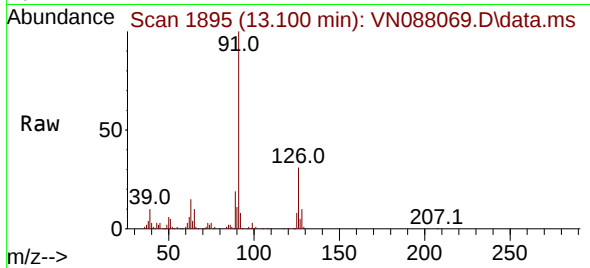
#75
2-Chlorotoluene
Concen: 19.992 ug/l
RT: 13.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 91 Resp: 271632
Ion Ratio Lower Upper
91 100
126 31.0 0.0 66.6

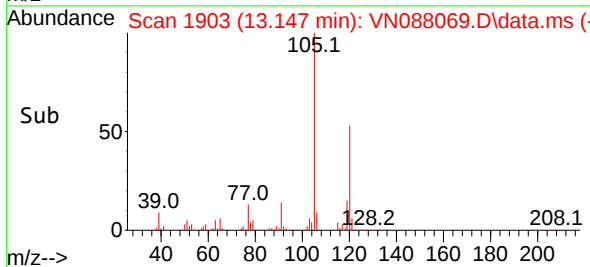
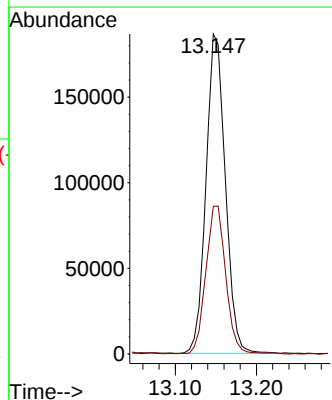
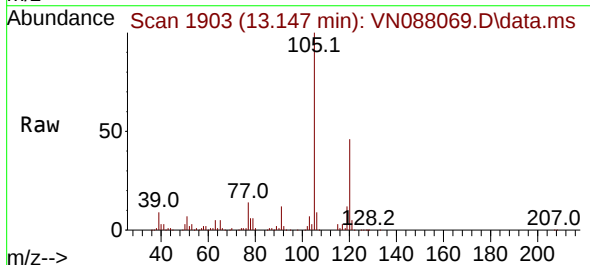
Manual Integrations
APPROVED

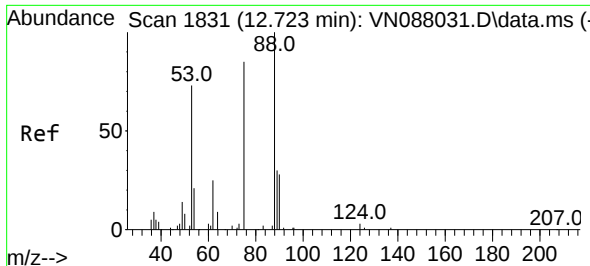
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.713 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

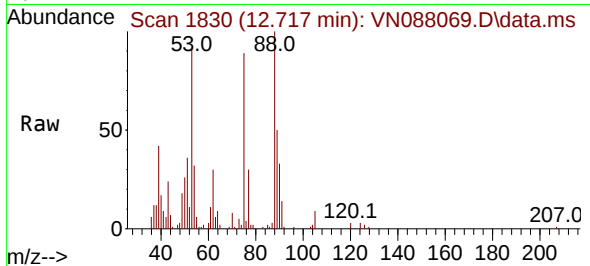
Tgt Ion:105 Resp: 308237
Ion Ratio Lower Upper
105 100
120 47.2 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 17.124 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

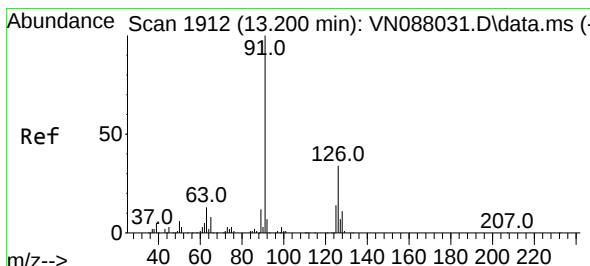
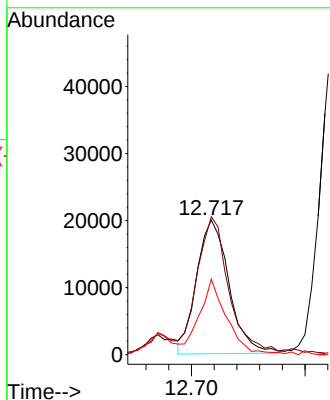
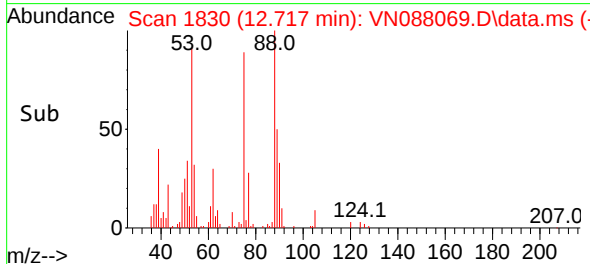
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion: 75 Resp: 39552
Ion Ratio Lower Upper
75 100
53 102.4 41.8 125.3
89 56.0 19.9 59.6

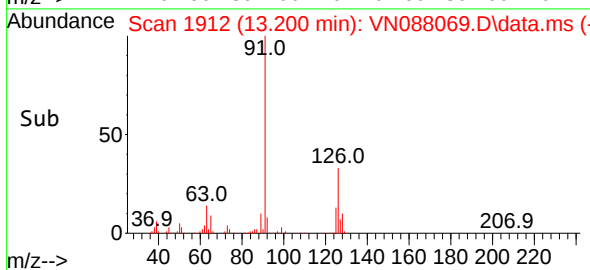
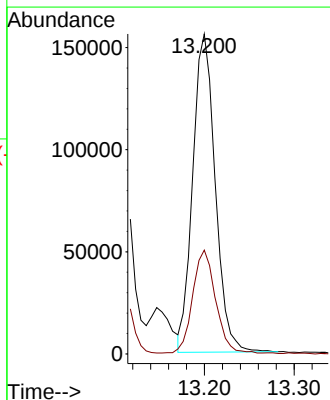
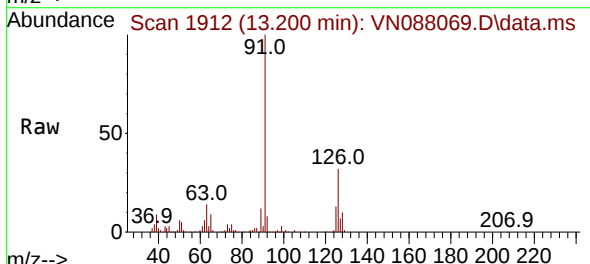
Manual Integrations
APPROVED

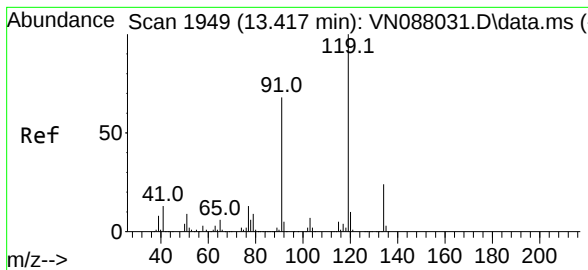
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#78
4-Chlorotoluene
Concen: 19.625 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

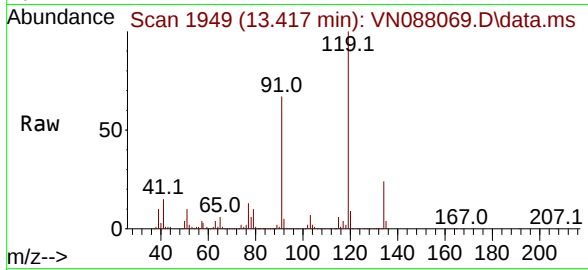
Tgt Ion: 91 Resp: 270907
Ion Ratio Lower Upper
91 100
126 33.7 0.0 68.8





#79
tert-butylbenzene
Concen: 20.386 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

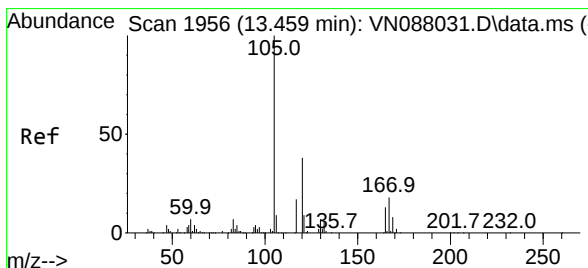
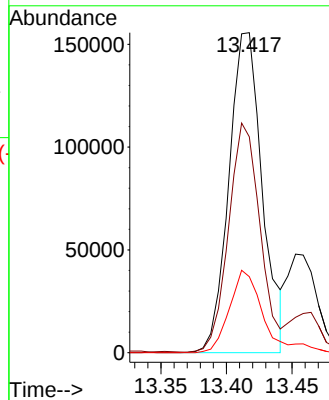
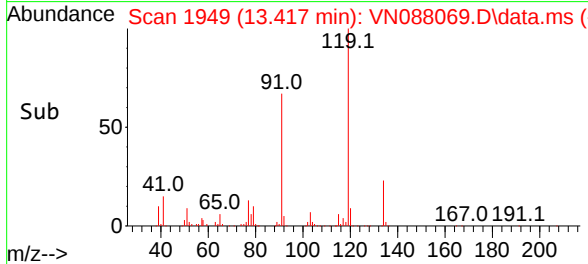
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion:119 Resp: 276330
Ion Ratio Lower Upper
119 100
91 67.4 0.0 132.4
134 24.5 0.0 48.6

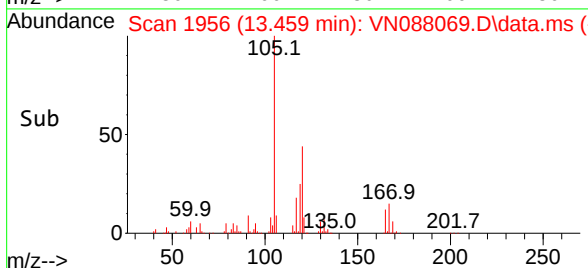
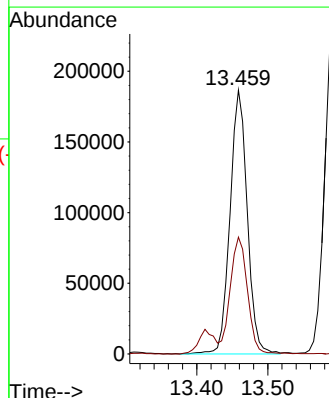
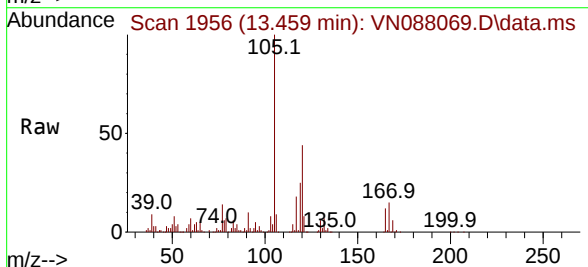
Manual Integrations
APPROVED

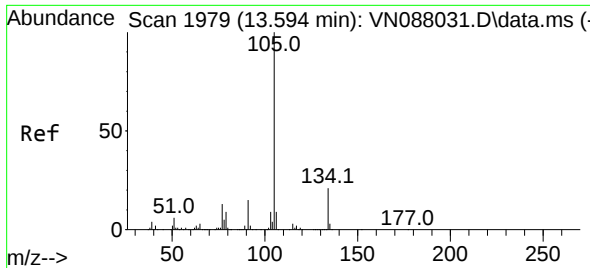
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.136 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion:105 Resp: 315198
Ion Ratio Lower Upper
105 100
120 44.1 0.0 93.8





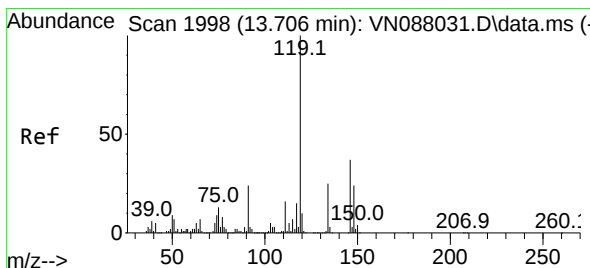
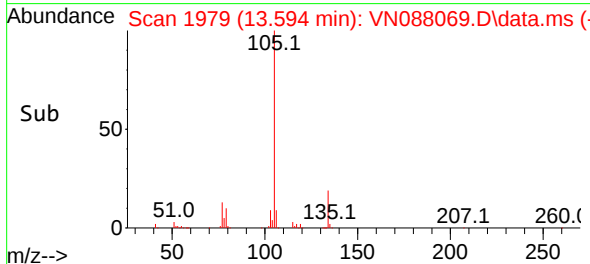
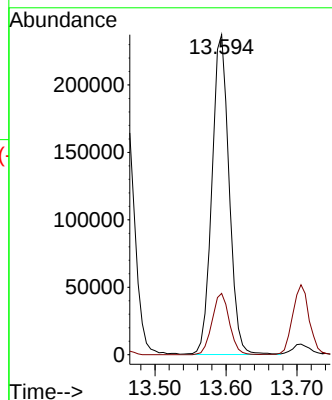
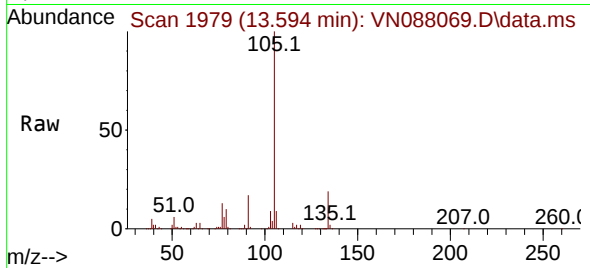
#81
 sec-Butylbenzene
 Concen: 20.810 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMSD

Tgt Ion:105 Resp: 396600
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 41.2

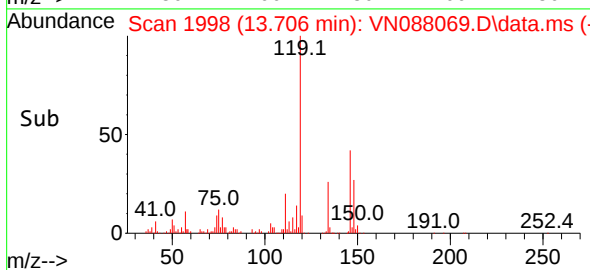
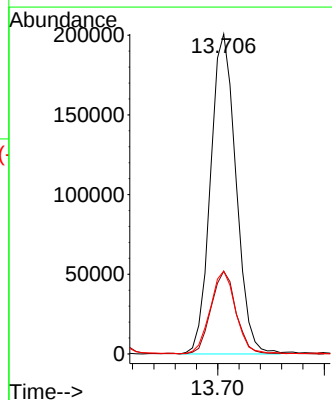
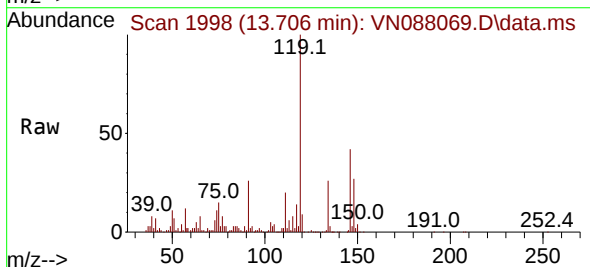
Manual Integrations
 APPROVED

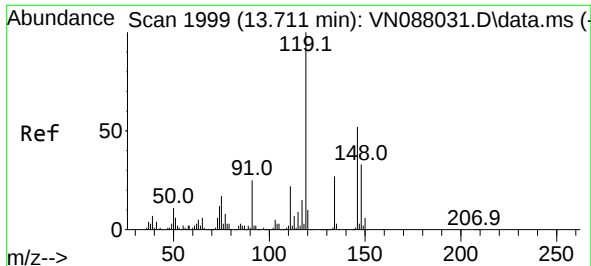
Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



#82
 p-Isopropyltoluene
 Concen: 20.469 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088069.D
 Acq: 17 Oct 2025 16:00

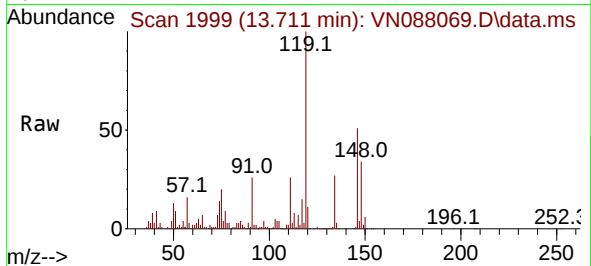
Tgt Ion:119 Resp: 333050
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 52.6
 91 25.5 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 18.735 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

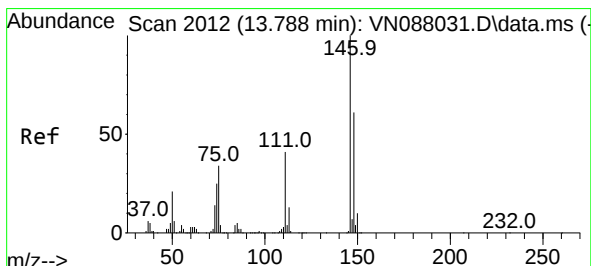
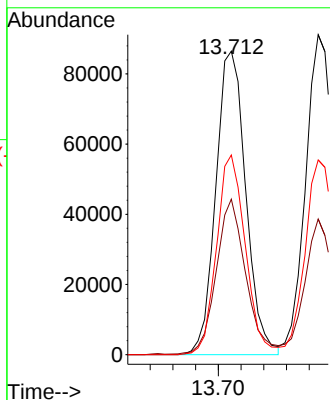
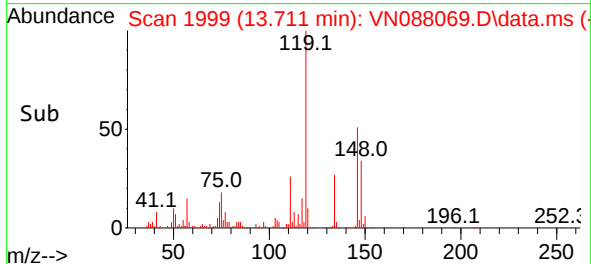
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



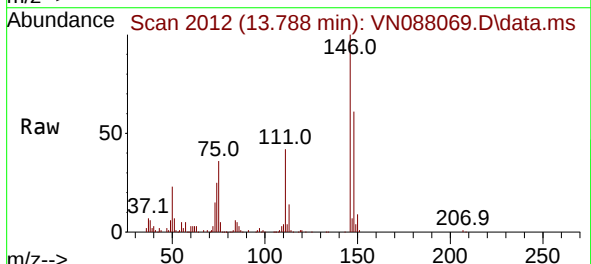
Tgt Ion:146 Resp: 15859
Ion Ratio Lower Upper
146 100
111 50.3 21.1 63.1
148 63.2 31.5 94.5

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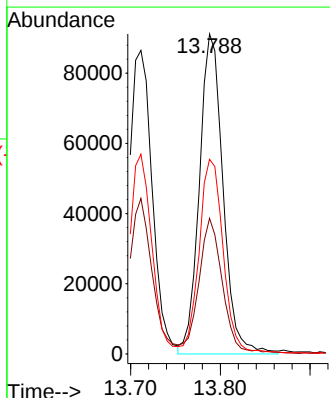
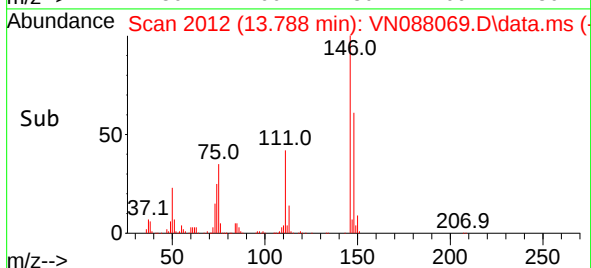
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

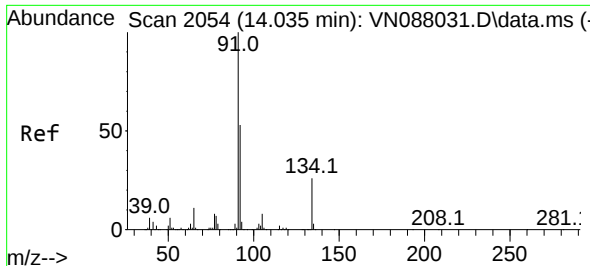


#84
1,4-Dichlorobenzene
Concen: 19.131 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



Tgt Ion:146 Resp: 167018
Ion Ratio Lower Upper
146 100
111 39.8 20.5 61.6
148 62.6 31.9 95.9





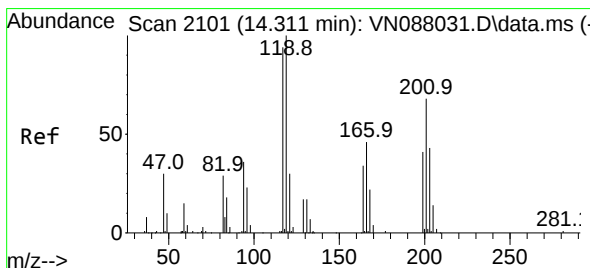
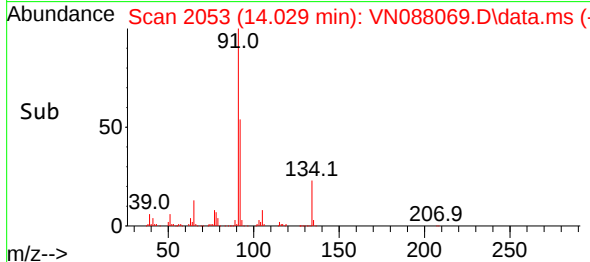
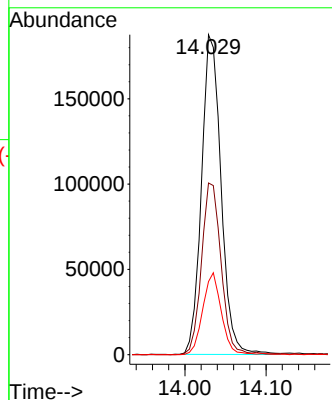
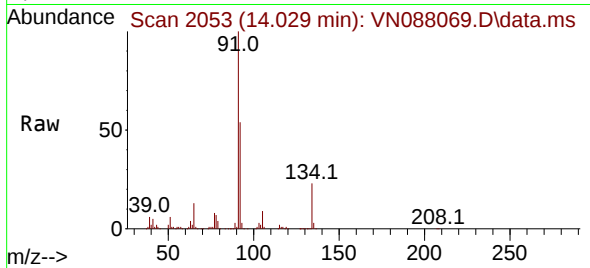
#85
n-Butylbenzene
Concen: 20.734 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Tgt Ion: 91 Resp: 31386
Ion Ratio Lower Upper
91 100
92 53.5 0.0 107.6
134 24.2 0.0 52.6

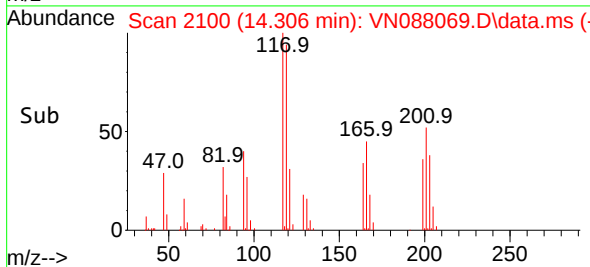
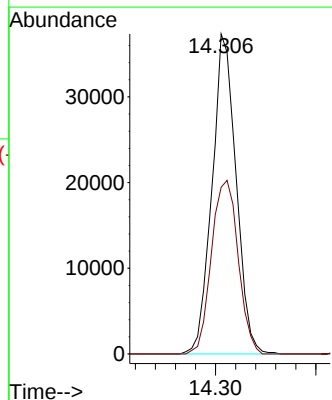
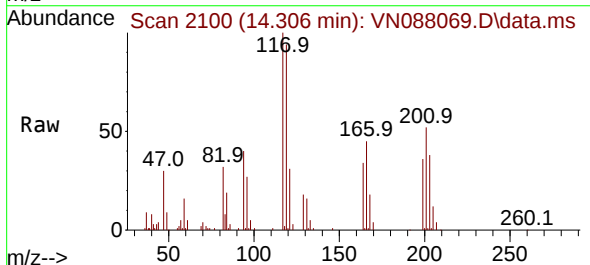
Manual Integrations
APPROVED

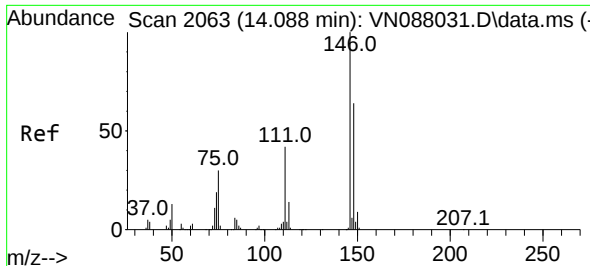
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#86
Hexachloroethane
Concen: 19.070 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

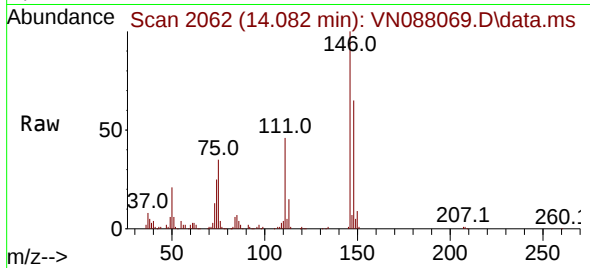
Tgt Ion:117 Resp: 62160
Ion Ratio Lower Upper
117 100
201 60.2 34.8 104.3





#87
1,2-Dichlorobenzene
Concen: 18.228 ug/l
RT: 14.082 min Scan# 2063
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

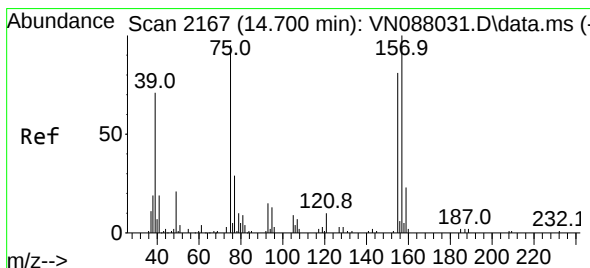
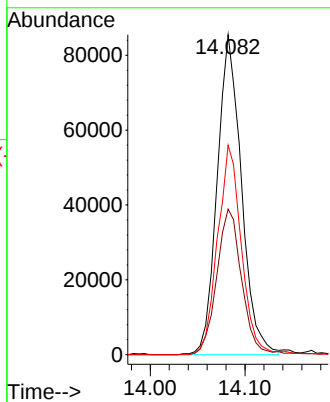
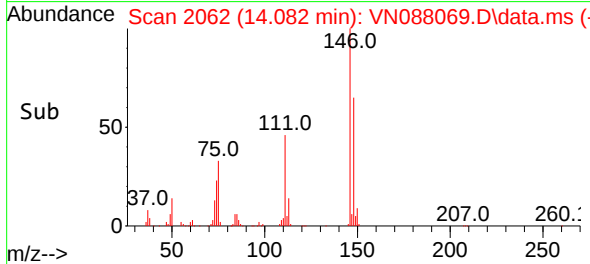
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion:146 Resp: 15177
Ion Ratio Lower Upper
146 100
111 46.1 22.3 66.8
148 64.0 31.4 94.3

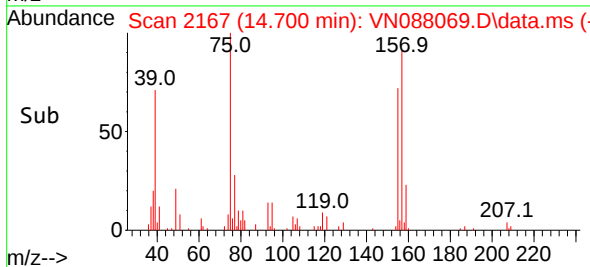
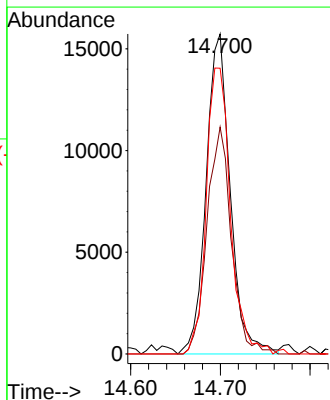
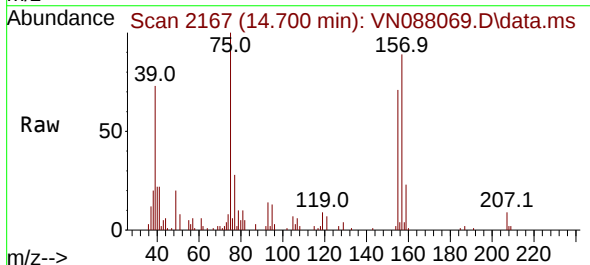
Manual Integrations
APPROVED

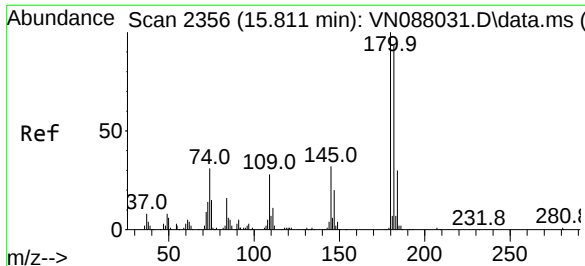
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.509 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

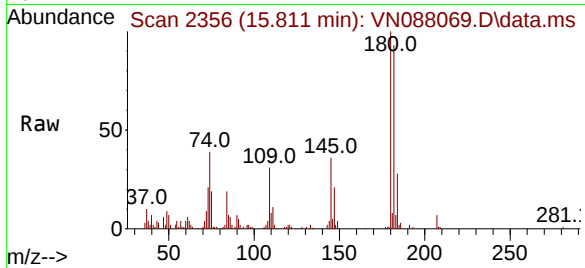
Tgt Ion: 75 Resp: 29396
Ion Ratio Lower Upper
75 100
155 70.3 63.5 95.3
157 89.6 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 17.293 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

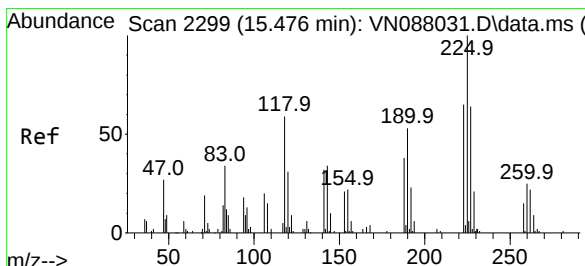
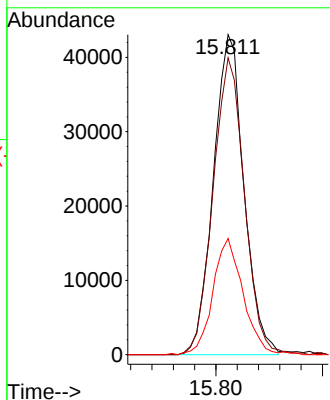
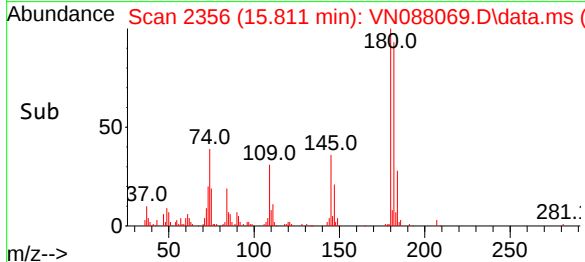
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



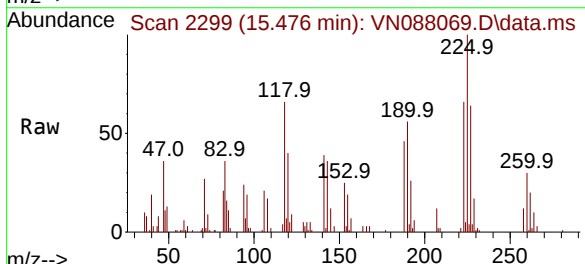
Tgt Ion:180 Resp: 8576
Ion Ratio Lower Upper
180 100
182 95.0 74.6 112.0
145 35.6 27.2 40.8

Manual Integrations
APPROVED

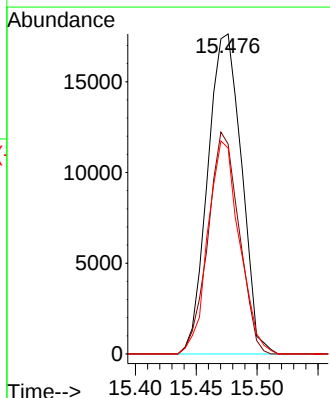
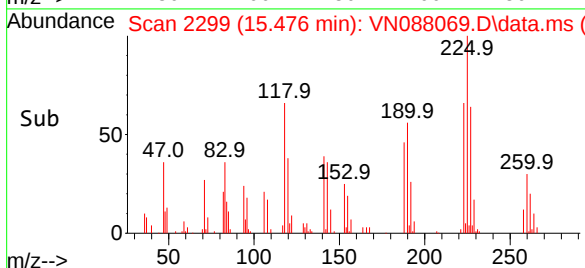
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

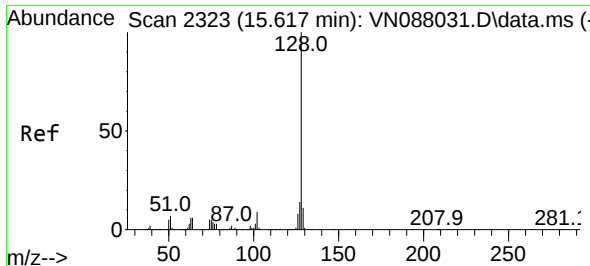


#90
Hexachlorobutadiene
Concen: 19.741 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00



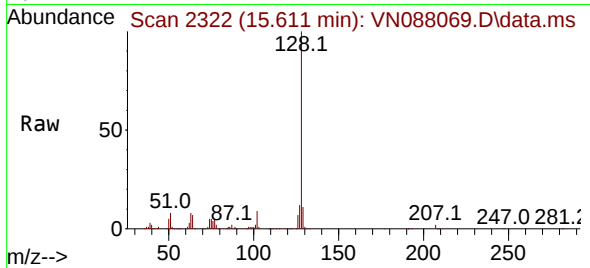
Tgt Ion:225 Resp: 34075
Ion Ratio Lower Upper
225 100
223 63.7 0.0 129.6
227 62.0 0.0 132.2





#91
Naphthalene
Concen: 17.985 ug/l
RT: 15.611 min Scan# 2323
Delta R.T. -0.006 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

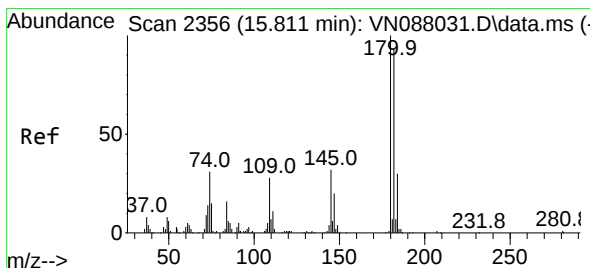
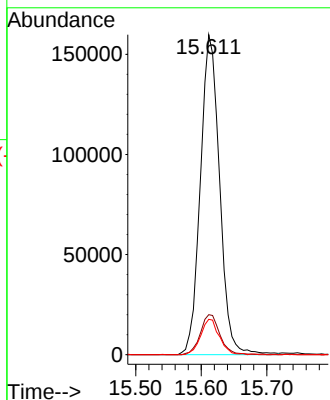
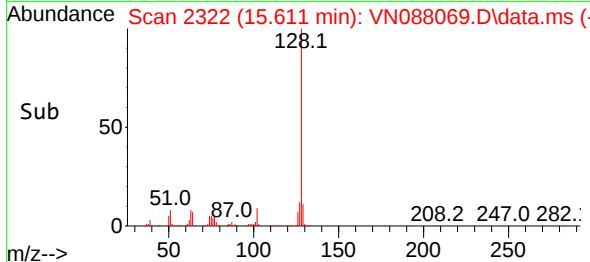
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD



Tgt Ion:128 Resp: 326560
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.6 8.6 13.0

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 17.293 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088069.D
Acq: 17 Oct 2025 16:00

Tgt Ion:180 Resp: 85763
Ion Ratio Lower Upper
180 100
182 95.0 0.0 186.6
145 35.6 0.0 68.0

