

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086821.D
 Acq On : 29 May 2025 17:49
 Operator : JC\MD
 Sample : Q2098-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MSD

Quant Time: May 30 02:46:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	43151	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	257974	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	224139	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	94371	31.831	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.100%			
60) 4-Bromofluorobenzene	12.841	95	104243	29.623	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.733%			
63) Toluene-d8	10.565	98	310504	30.182	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	59519	20.309	ug/l	98
3) Chloromethane	2.365	50	118517	31.365	ug/l	100
4) Vinyl Chloride	2.512	62	70631	20.311	ug/l	100
5) Bromomethane	2.965	94	29552	16.039	ug/l	97
6) Chloroethane	3.124	64	56759m	26.686	ug/l	
7) Trichlorofluoromethane	3.500	101	83340	20.462	ug/l	99
8) Diethyl Ether	3.953	74	35622	20.967	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	52379	20.984	ug/l	98
10) 1,1-Dichloroethene	4.342	96	52457	20.614	ug/l	99
11) Methyl Iodide	4.589	142	55811	18.605	ug/l	99
12) Methyl Acetate	5.018	43	63684	22.534	ug/l	98
13) Acrolein	4.183	56	46039	157.692	ug/l	99
14) Acrylonitrile	5.718	53	142232	108.150	ug/l	98
15) Acetone	4.424	58	97289	292.171	ug/l	88
16) Carbon Disulfide	4.712	76	155318	20.909	ug/l	99
17) Allyl chloride	5.024	41	82802	21.902	ug/l	98
18) Methylene Chloride	5.271	84	69899	23.652	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	55914	20.996	ug/l	92
20) Diisopropyl ether	6.665	45	185856	22.322	ug/l	97
21) 1,1-Dichloroethane	6.565	63	106126	21.120	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	68298	21.177	ug/l	99
23) tert-Butyl Alcohol	5.512	59	51161	121.140	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	189124	22.550	ug/l	99
25) Chloroform	7.965	83	202721	41.219	ug/l	100
26) Cyclohexane	8.253	56	97050	22.316	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	77543	20.444	ug/l	99
30) 2-Butanone	7.477	43	183646	110.504	ug/l	100
31) 2,2-Dichloropropane	7.483	77	91032	20.332	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	90907	20.676	ug/l	100
33) Carbon Tetrachloride	8.359	117	75818	20.173	ug/l	98
34) Benzene	8.600	78	249326	20.203	ug/l	99
35) Methacrylonitrile	7.771	41	43061	22.556	ug/l	96
36) 1,2-Dichloroethane	8.665	62	75590	20.902	ug/l	98
37) Trichloroethene	9.347	130	58049	16.958	ug/l	97
38) Methylcyclohexane	9.594	83	90170	21.426	ug/l	98
39) 1,2-Dichloropropane	9.618	63	60277	20.287	ug/l	98
40) Dibromomethane	9.706	93	39849	20.506	ug/l	99
41) Bromodichloromethane	9.882	83	101189	24.876	ug/l	97
42) Vinyl Acetate	6.600	43	697258	143.935	ug/l	99

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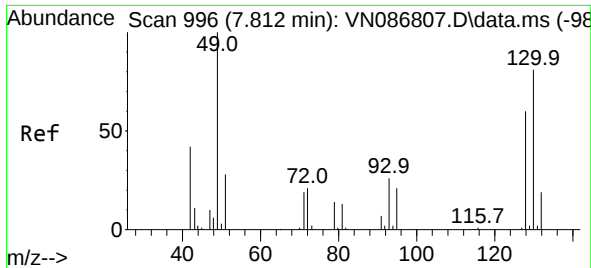
Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:46:49 2025
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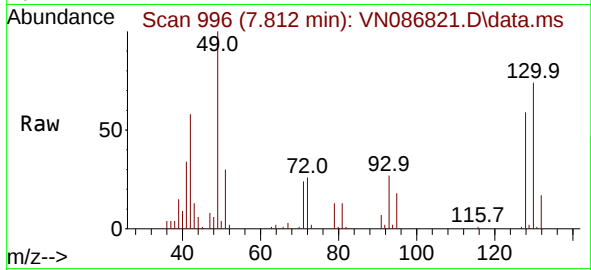
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	71241m	20.949	ug/l	
44) Isopropyl Acetate	8.682	43	131083	22.470	ug/l	99
45) 1,4-Dioxane	9.694	88	22048	425.230	ug/l	98
46) Methyl methacrylate	9.677	41	64179	23.860	ug/l	98
47) n-amyl Acetate	12.488	43	118604	25.325	ug/l	96
48) t-1,3-Dichloropropene	10.829	75	93278	21.429	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	99231	20.725	ug/l	94
50) 1,1,2-Trichloroethane	11.012	97	56032	20.472	ug/l	98
51) Ethyl methacrylate	10.871	69	98045	22.119	ug/l	98
52) 1,3-Dichloropropane	11.159	76	98625	20.305	ug/l	100
53) Dibromochloromethane	11.353	129	66931	21.640	ug/l	99
54) 1,2-Dibromoethane	11.465	107	57001	20.374	ug/l	99
56) Bromoform	12.576	173	41441	21.265	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	386060	117.384	ug/l	99
59) 2-Hexanone	11.194	43	273247	115.988	ug/l	98
61) Tetrachloroethene	11.100	164	47210	12.530	ug/l	93
62) Toluene	10.624	91	262386	20.786	ug/l	99
64) Chlorobenzene	11.888	112	163895	20.358	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.953	131	55278	20.901	ug/l	99
66) Ethyl Benzene	11.959	91	289610	21.211	ug/l	94
67) m/p-Xylenes	12.065	106	220975	41.242	ug/l	99
68) o-Xylene	12.394	106	108396	20.875	ug/l	100
69) Styrene	12.406	104	178375	20.619	ug/l	99
70) Isopropylbenzene	12.694	105	258427	20.925	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	81687	27.819	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	71196m	20.688	ug/l	
73) Bromobenzene	12.976	156	59826	19.489	ug/l	92
74) n-propylbenzene	13.029	91	304564	20.819	ug/l	99
75) 2-Chlorotoluene	13.123	91	194919	20.759	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	210786	20.516	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	32773	23.271	ug/l	92
78) 4-Chlorotoluene	13.217	91	188636	20.281	ug/l	99
79) tert-butylbenzene	13.435	119	182469	20.541	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	216398	20.983	ug/l	97
81) sec-Butylbenzene	13.612	105	246845	20.397	ug/l	99
82) p-Isopropyltoluene	13.723	119	212101	20.873	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	110880	19.689	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	108653	19.388	ug/l	99
85) n-Butylbenzene	14.053	91	194982	22.920	ug/l	96
86) Hexachloroethane	14.329	117	36476	21.062	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	107291	19.750	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16612	26.865	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	55086	24.230	ug/l	99
90) Hexachlorobutadiene	15.500	225	20363	20.898	ug/l	97
91) Naphthalene	15.635	128	209948	26.467	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	55086	24.230	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

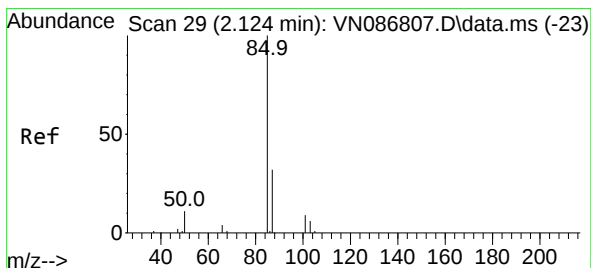
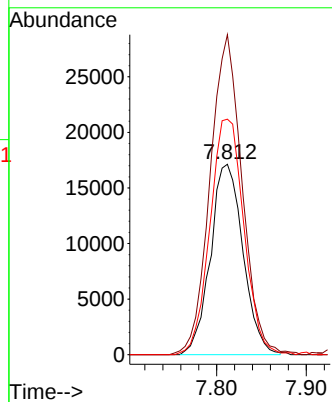
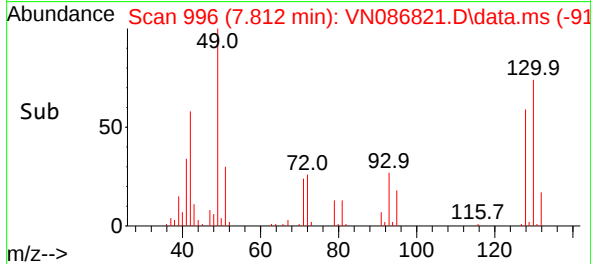
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion:128 Resp: 4315
Ion Ratio Lower Upper
128 100
49 165.0 0.0 404.5
130 128.6 0.0 322.2

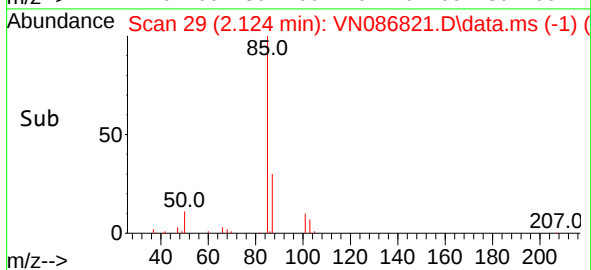
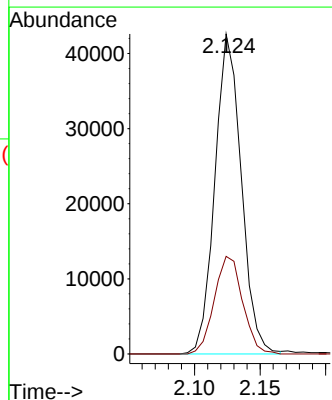
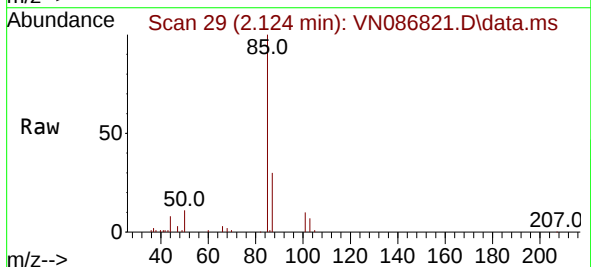
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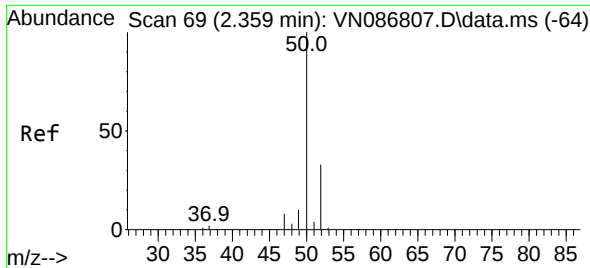
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#2
Dichlorodifluoromethane
Concen: 20.309 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

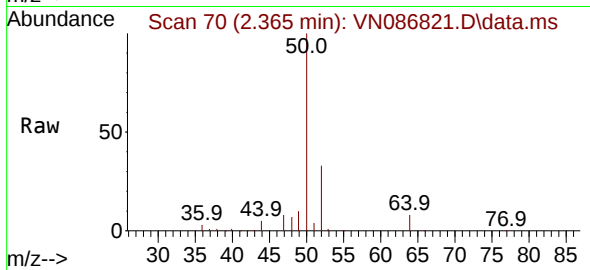
Tgt Ion: 85 Resp: 59519
Ion Ratio Lower Upper
85 100
87 30.5 15.9 47.7





#3
Chloromethane
Concen: 31.365 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

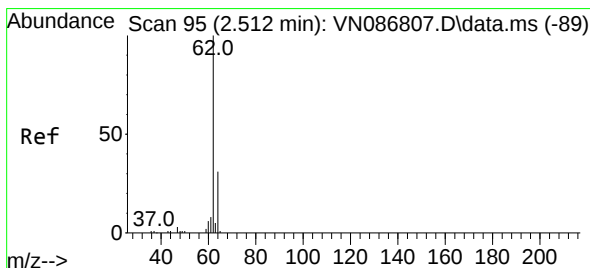
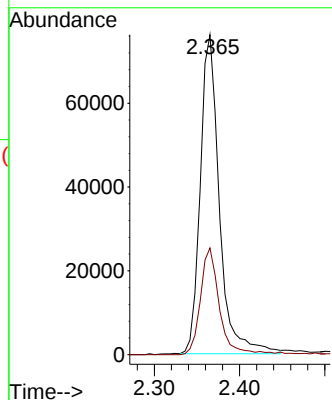
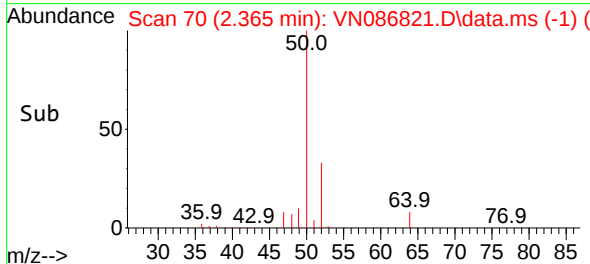
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 50 Resp: 11851
Ion Ratio Lower Upper
50 100
52 33.4 26.6 40.0

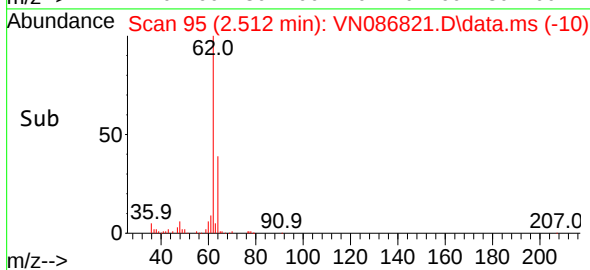
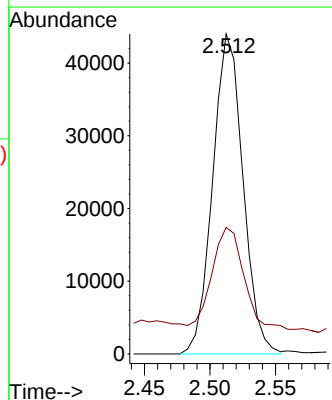
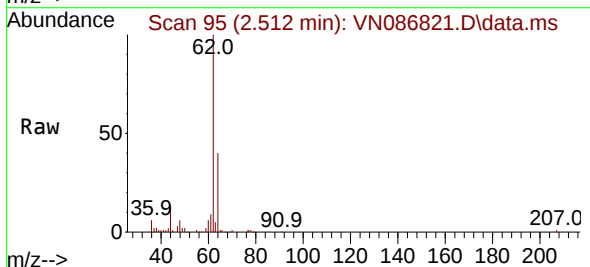
Manual Integrations
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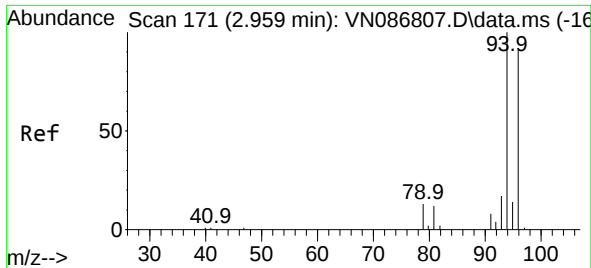
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#4
Vinyl Chloride
Concen: 20.311 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

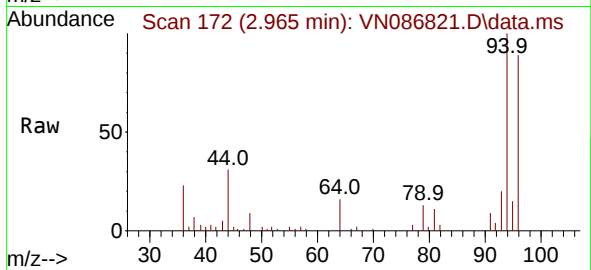
Tgt Ion: 62 Resp: 70631
Ion Ratio Lower Upper
62 100
64 30.6 24.6 36.8





#5
Bromomethane
Concen: 16.039 ug/l
RT: 2.965 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

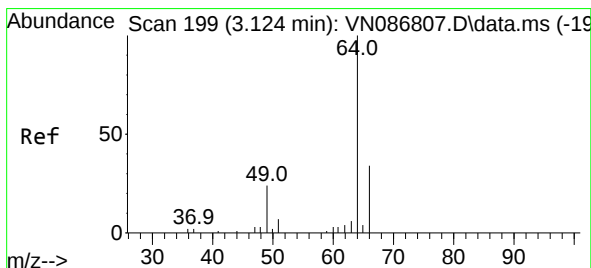
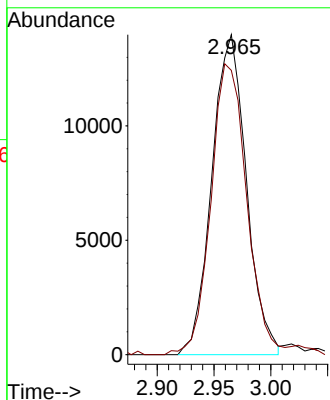
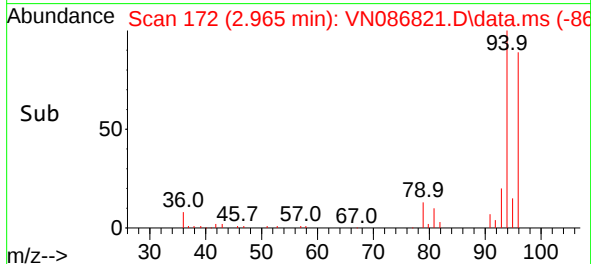
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OUTFALL-DSN-001MSD



Tgt Ion: 94 Resp: 29552
Ion Ratio Lower Upper
94 100
96 87.8 72.7 109.1

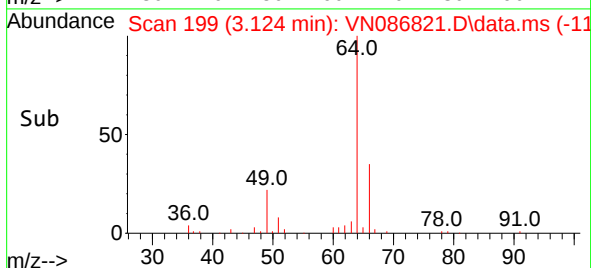
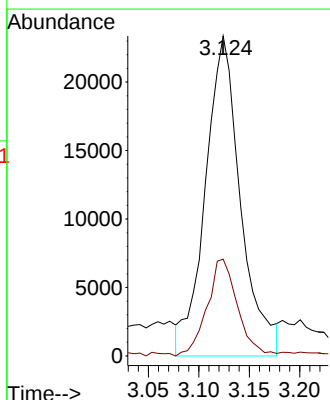
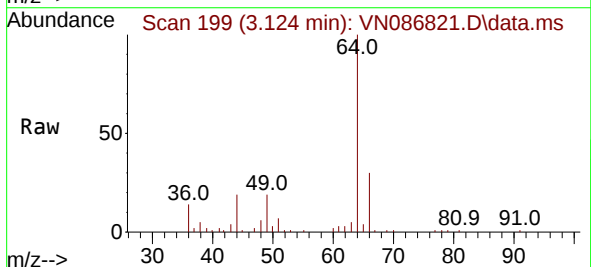
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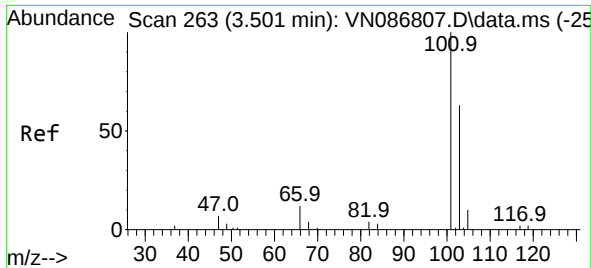
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#6
Chloroethane
Concen: 26.686 ug/l m
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

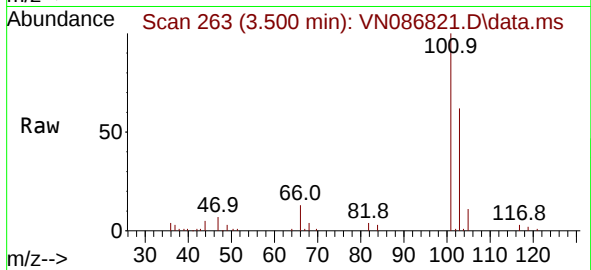
Tgt Ion: 64 Resp: 56759
Ion Ratio Lower Upper
64 100
66 30.2 27.5 41.3





#7
 Trichlorofluoromethane
 Concen: 20.462 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

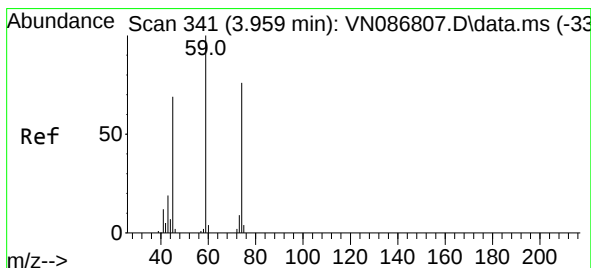
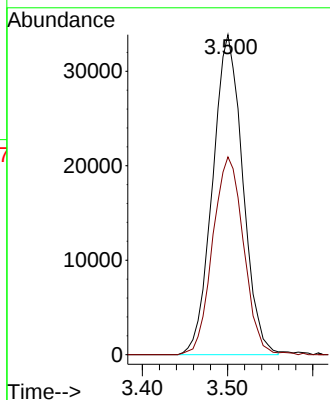
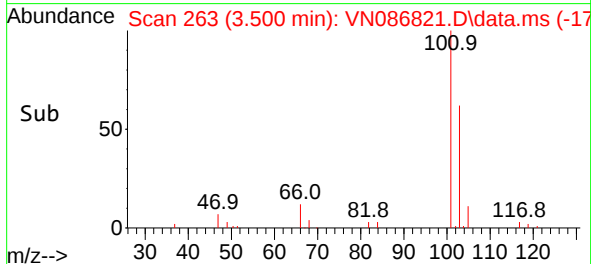
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Tgt Ion:101 Resp: 83340
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.0 75.0

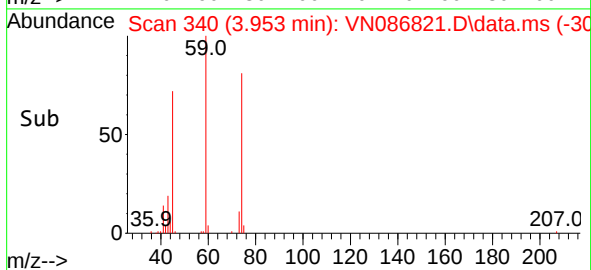
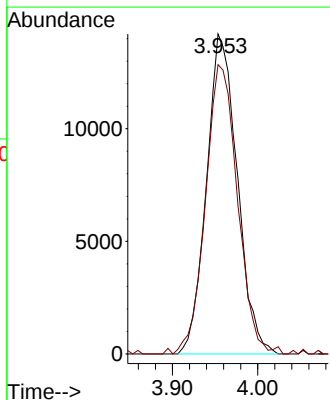
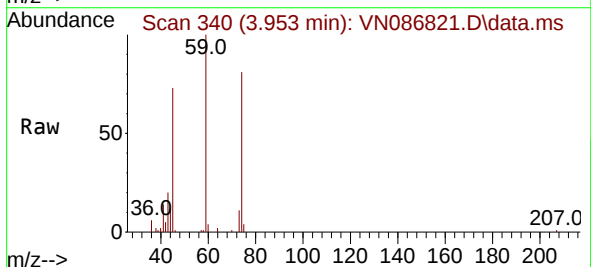
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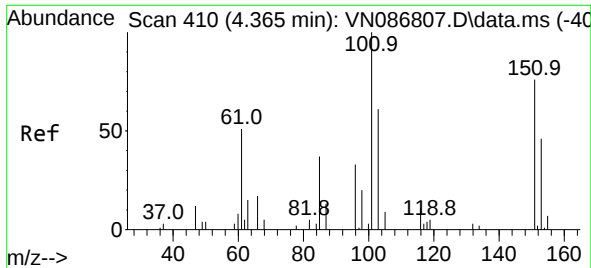
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#8
 Diethyl Ether
 Concen: 20.967 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

Tgt Ion: 74 Resp: 35622
 Ion Ratio Lower Upper
 74 100
 45 93.2 17.9 161.5





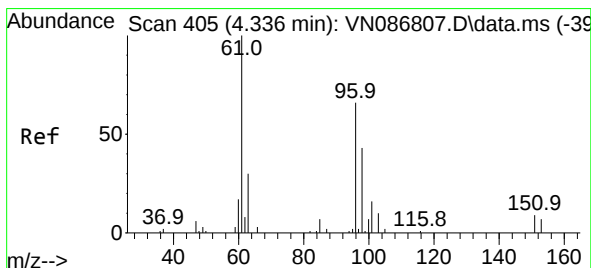
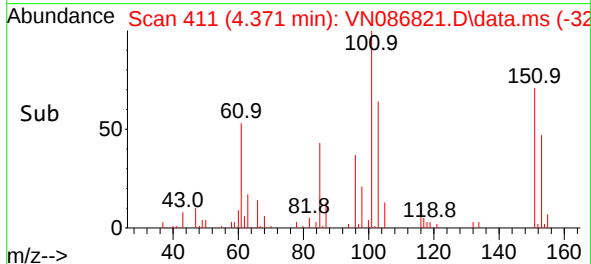
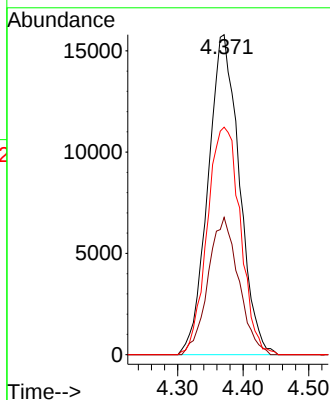
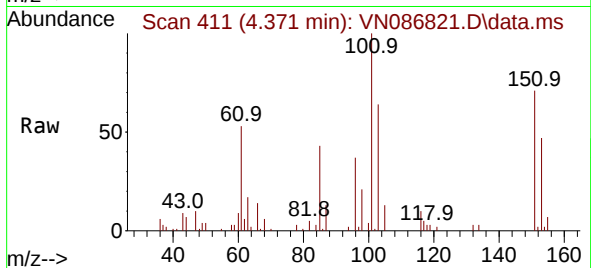
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.984 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

Instrument :
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 OUTFALL-DSN-001MSD

Tgt Ion:101 Resp: 52379
 Ion Ratio Lower Upper
 101 100
 85 41.9 0.0 83.2
 151 75.2 0.0 145.6

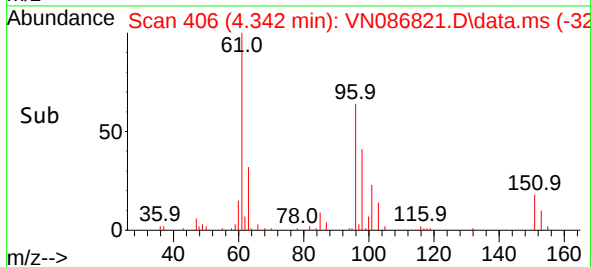
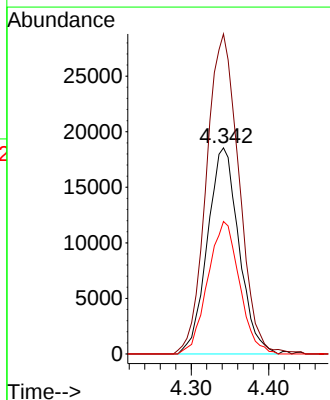
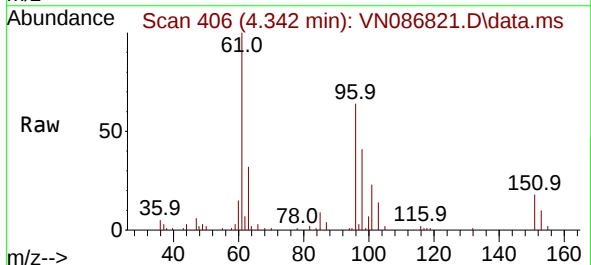
Manual Integrations
 APPROVED

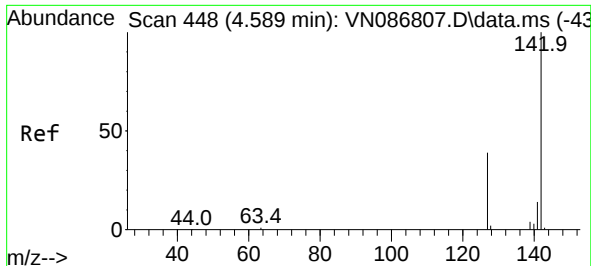
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#10
 1,1-Dichloroethene
 Concen: 20.614 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.006 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

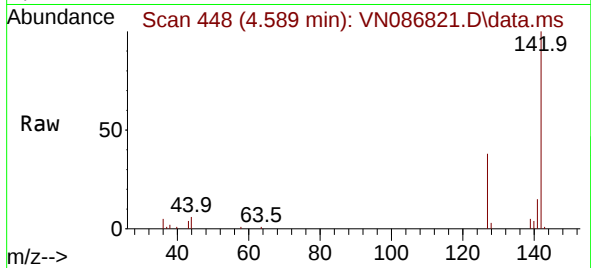
Tgt Ion: 96 Resp: 52457
 Ion Ratio Lower Upper
 96 100
 61 153.4 121.7 182.5
 98 64.3 51.9 77.9





#11
Methyl Iodide
Concen: 18.605 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

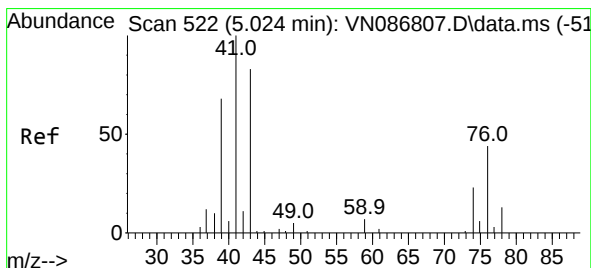
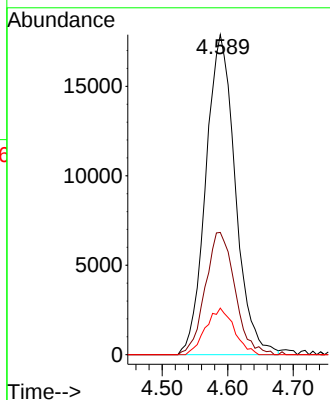
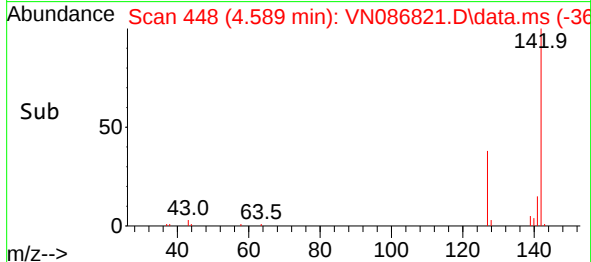
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion:142 Resp: 5581
Ion Ratio Lower Upper
142 100
127 38.5 19.5 58.5
141 14.7 7.1 21.4

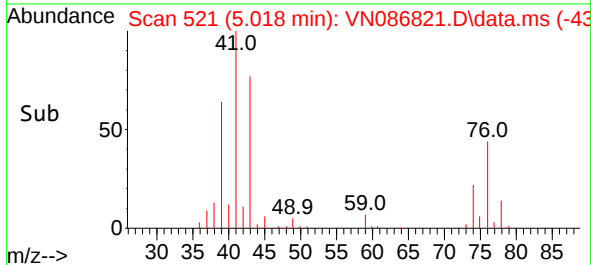
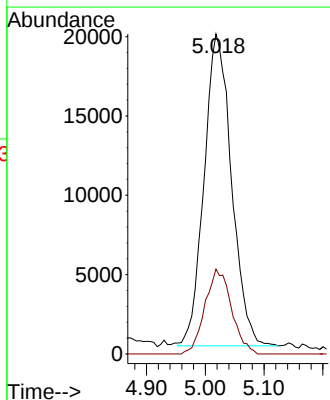
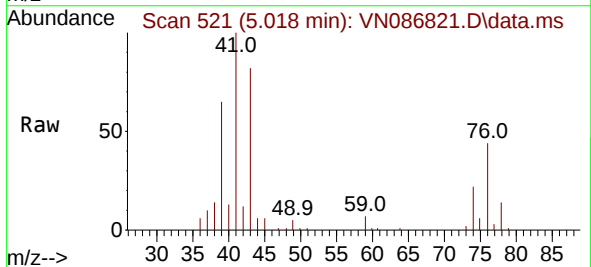
Manual Integrations
APPROVED

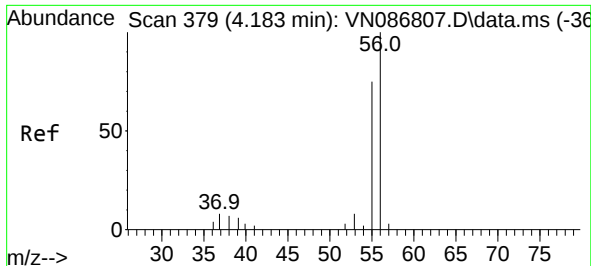
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#12
Methyl Acetate
Concen: 22.534 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

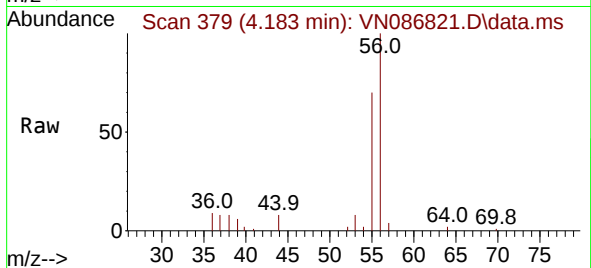
Tgt Ion: 43 Resp: 63684
Ion Ratio Lower Upper
43 100
74 27.3 22.7 34.1





#13
Acrolein
Concen: 157.692 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

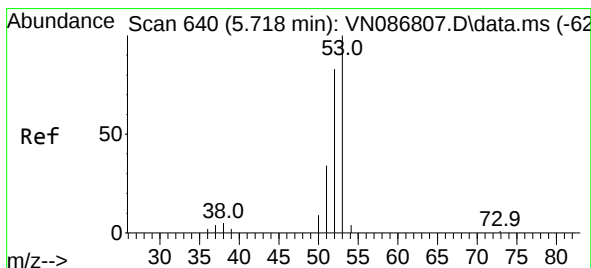
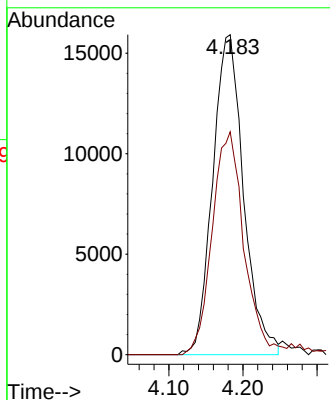
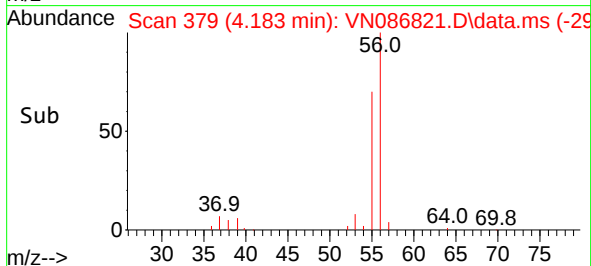
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 56 Resp: 46039
Ion Ratio Lower Upper
56 100
55 70.4 55.9 83.9

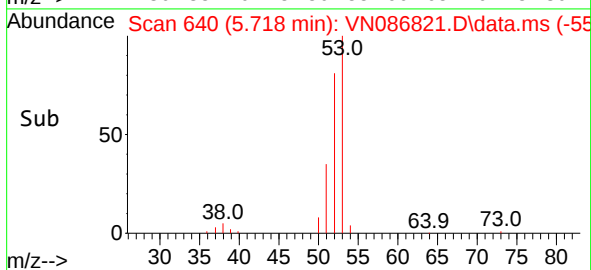
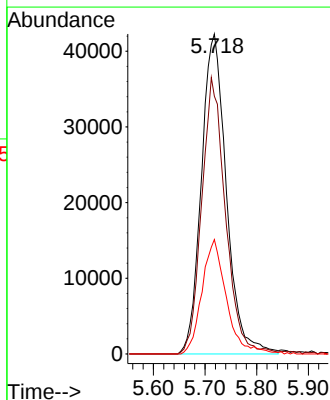
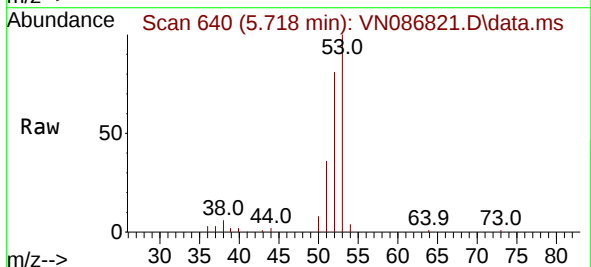
Manual Integrations
APPROVED

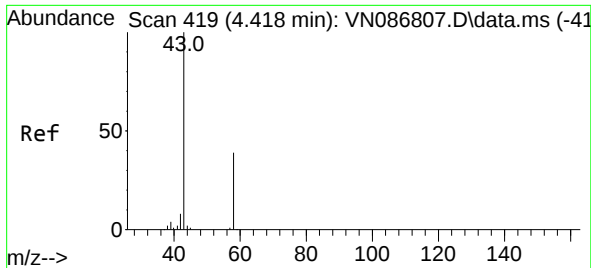
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#14
Acrylonitrile
Concen: 108.150 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

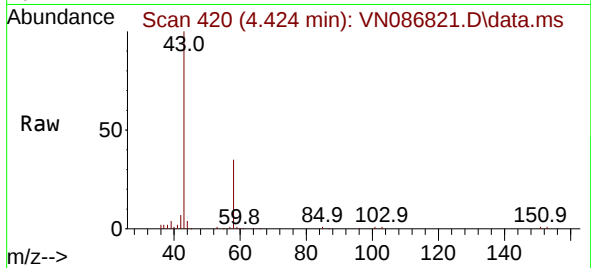
Tgt Ion: 53 Resp: 142232
Ion Ratio Lower Upper
53 100
52 81.2 40.0 119.9
51 33.8 17.5 52.6





#15
Acetone
Concen: 292.171 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

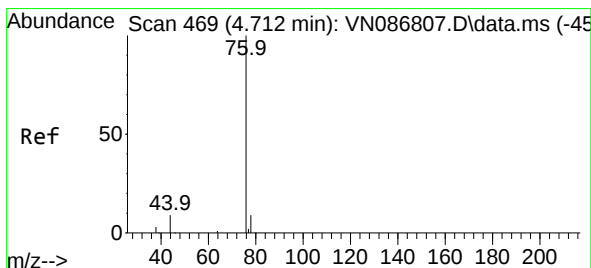
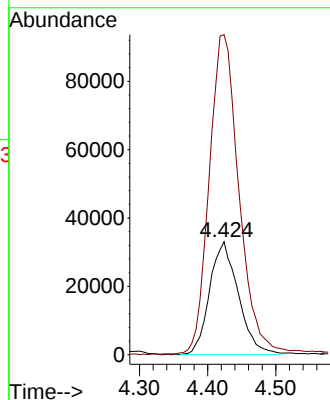
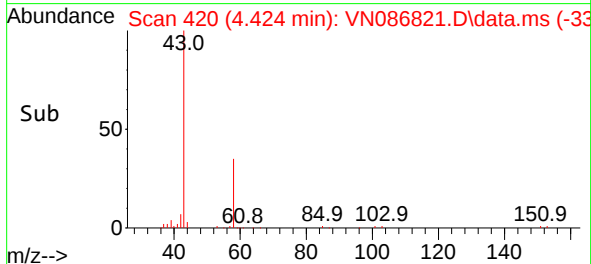
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 58 Resp: 97289
Ion Ratio Lower Upper
58 100
43 281.8 207.7 311.5

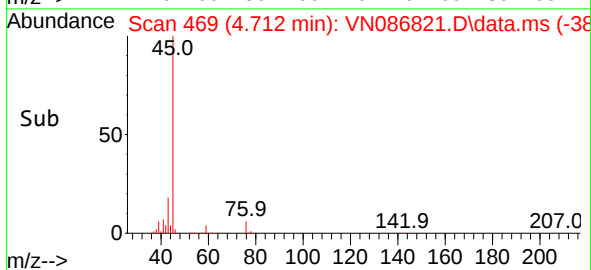
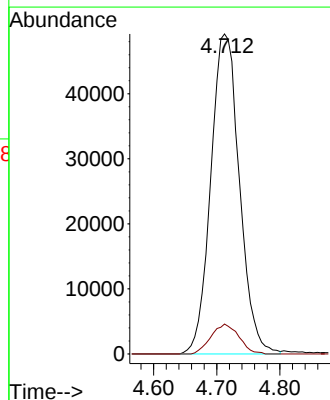
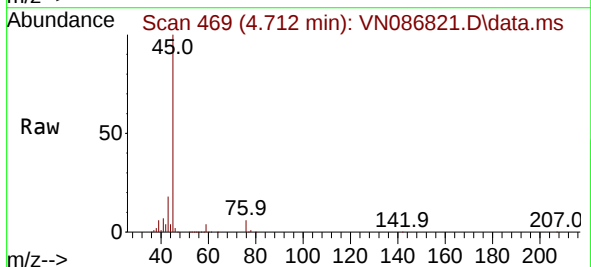
Manual Integrations
APPROVED

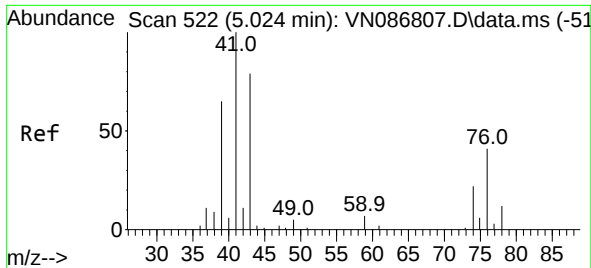
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#16
Carbon Disulfide
Concen: 20.909 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

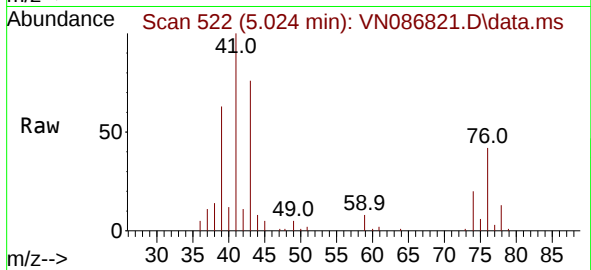
Tgt Ion: 76 Resp: 155318
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8





#17
 Allyl chloride
 Concen: 21.902 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

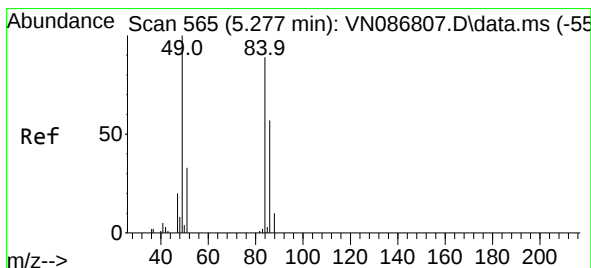
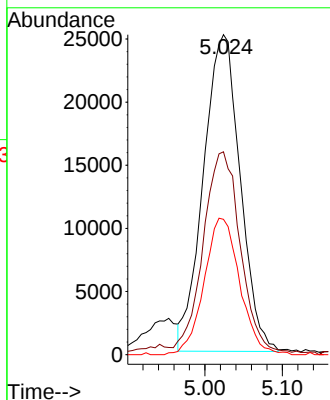
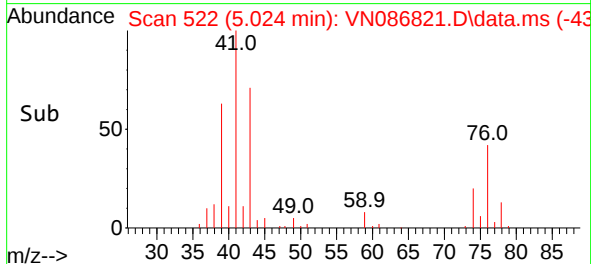
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MSD



Tgt Ion: 41 Resp: 8280
 Ion Ratio Lower Upper
 41 100
 39 62.9 31.6 94.8
 76 42.2 20.1 60.2

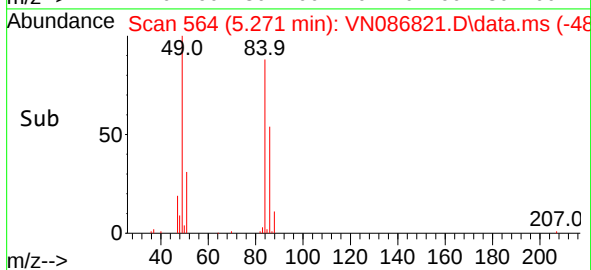
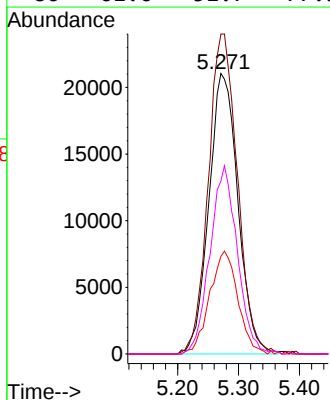
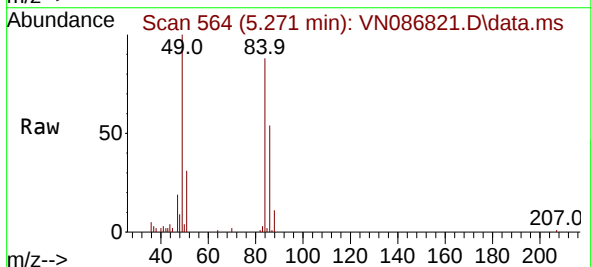
Manual Integrations
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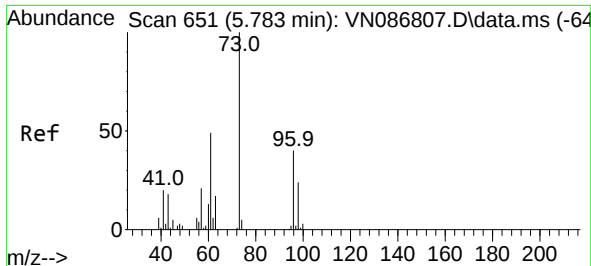
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#18
 Methylene Chloride
 Concen: 23.652 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

Tgt Ion: 84 Resp: 69899
 Ion Ratio Lower Upper
 84 100
 49 114.0 89.9 134.9
 51 34.8 29.6 44.4
 86 61.6 51.7 77.5





#19

trans-1,2-Dichloroethene

Concen: 20.996 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086821.D

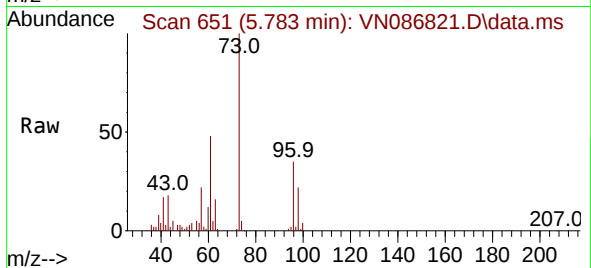
Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD



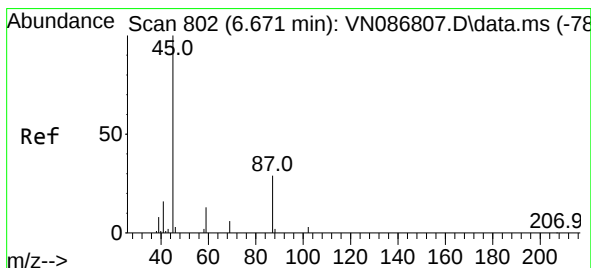
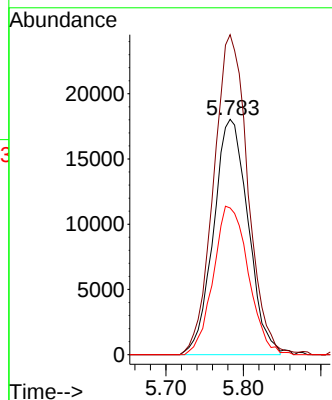
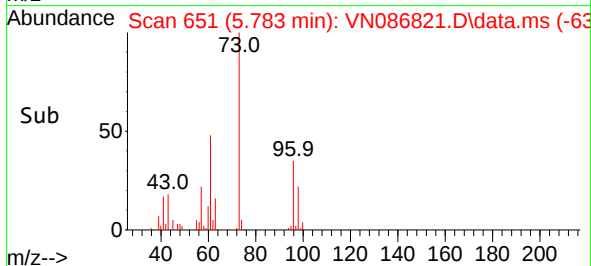
Tgt Ion:	96	Resp:	55914
Ion	Ratio	Lower	Upper
96	100		
61	136.0	98.9	148.3
98	62.3	49.0	73.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#20

Diisopropyl ether

Concen: 22.322 ug/l

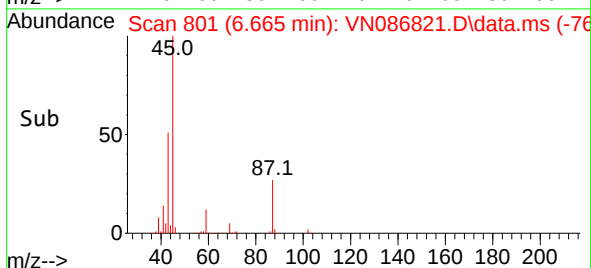
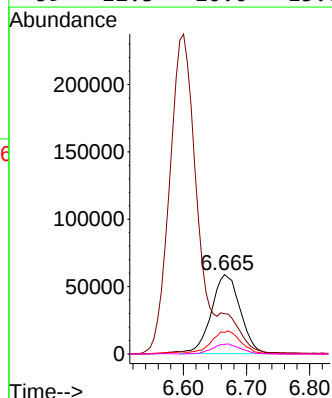
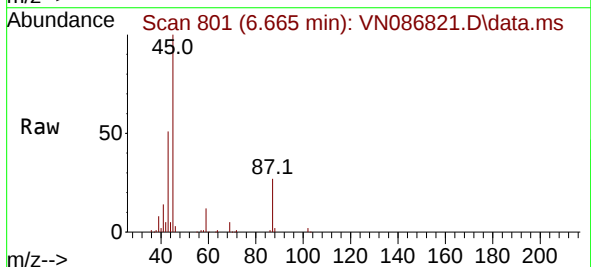
RT: 6.665 min Scan# 801

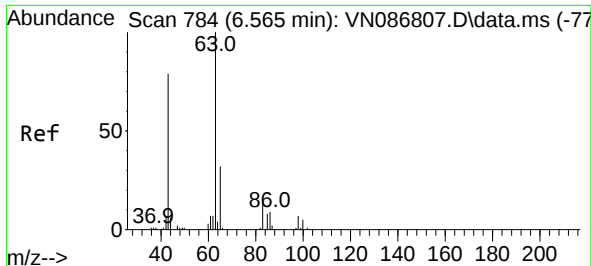
Delta R.T. -0.006 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Tgt Ion:	45	Resp:	185856
Ion	Ratio	Lower	Upper
45	100		
43	49.2	40.3	60.5
87	27.4	24.1	36.1
59	12.3	10.0	15.0





#21

1,1-Dichloroethane

Concen: 21.120 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

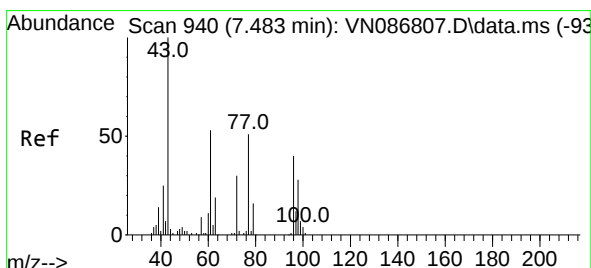
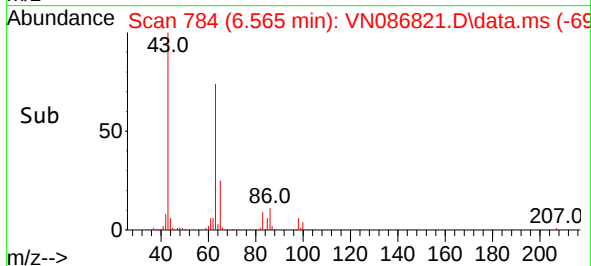
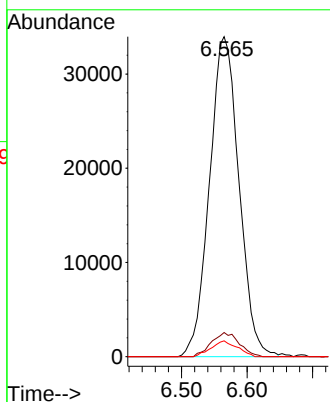
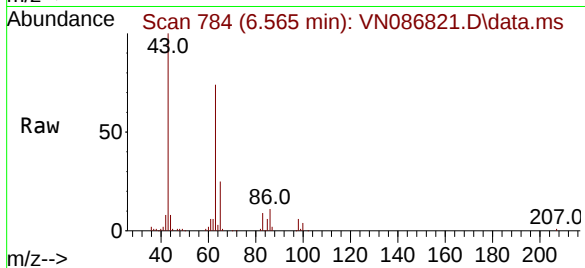
Tgt Ion:	63	Resp:	106120
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.8	11.2
100	5.0	2.3	6.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#22

cis-1,2-Dichloroethene

Concen: 21.177 ug/l

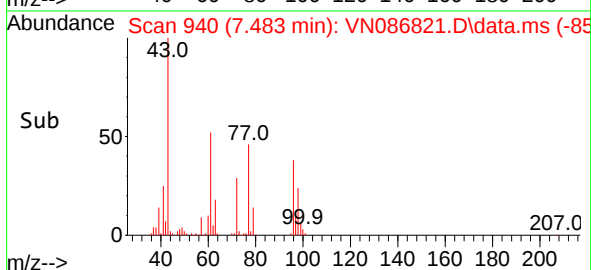
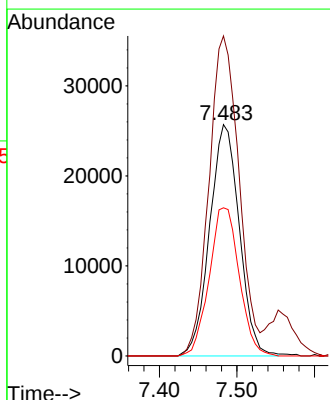
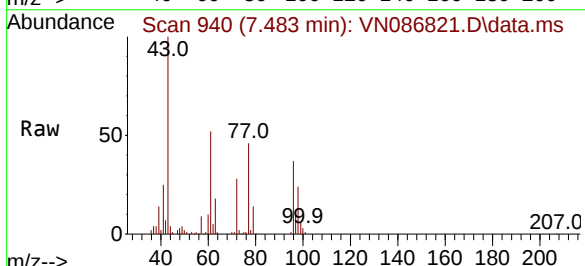
RT: 7.483 min Scan# 940

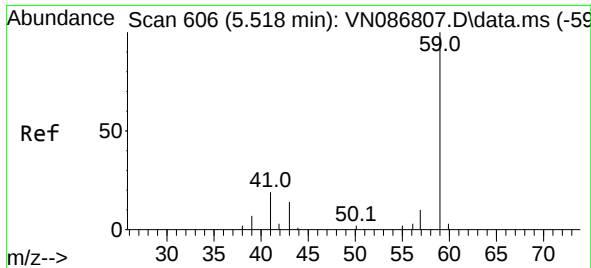
Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Tgt Ion:	96	Resp:	68298
Ion Ratio	Lower	Upper	
96	100		
61	140.1	110.7	166.1
98	64.9	51.8	77.8





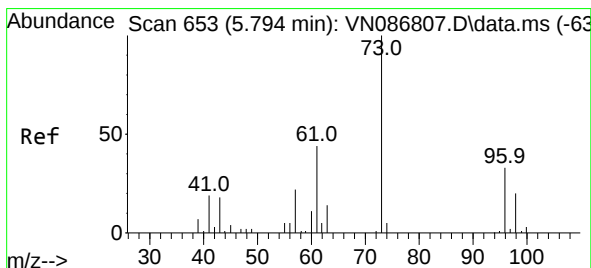
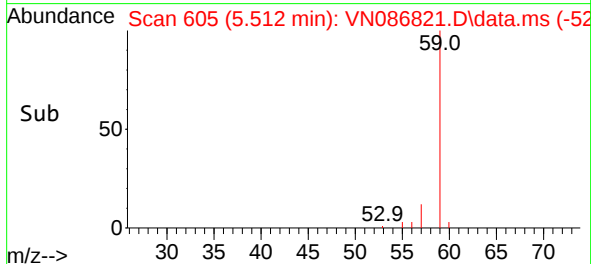
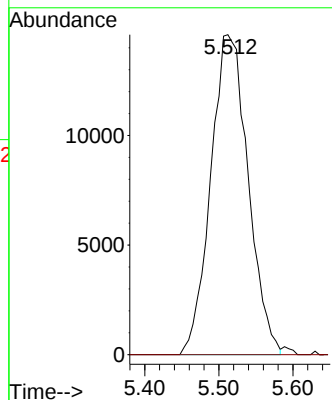
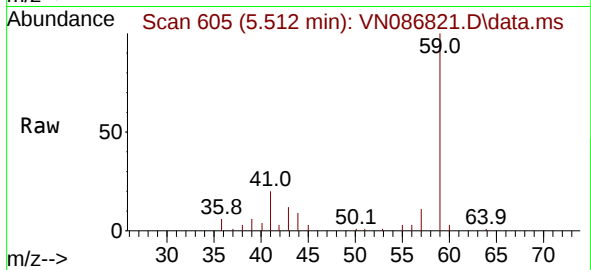
#23
tert-Butyl Alcohol
Concen: 121.140 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion: 59 Resp: 5116
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

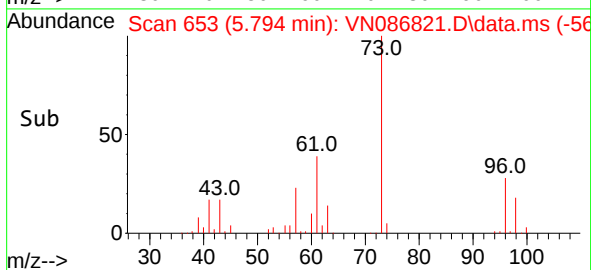
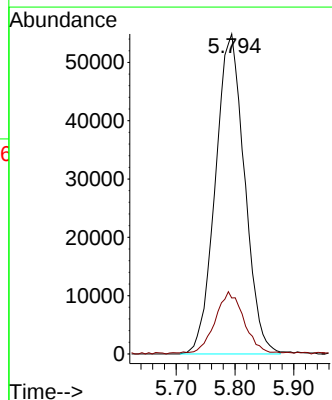
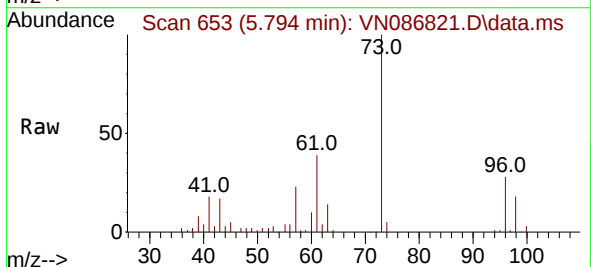
Manual Integrations
APPROVED

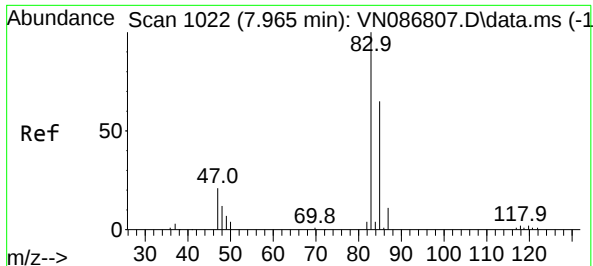
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#24
Methyl tert-Butyl Ether
Concen: 22.550 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion: 73 Resp: 189124
Ion Ratio Lower Upper
73 100
43 18.7 14.6 22.0





#25

Chloroform

Concen: 41.219 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

Tgt Ion: 83 Resp: 20272

Ion Ratio Lower Upper

83 100

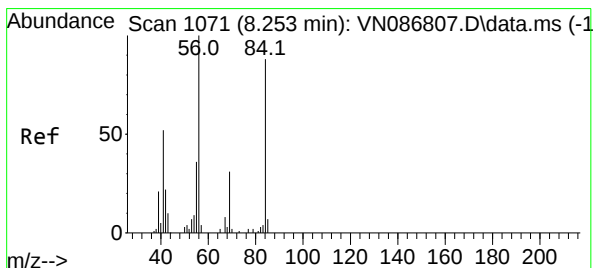
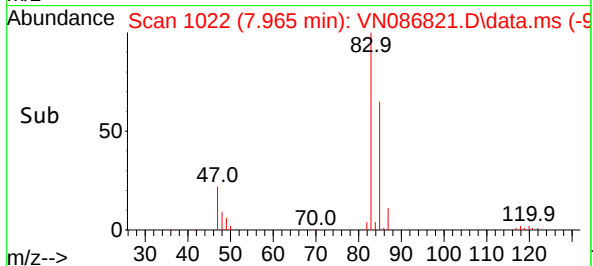
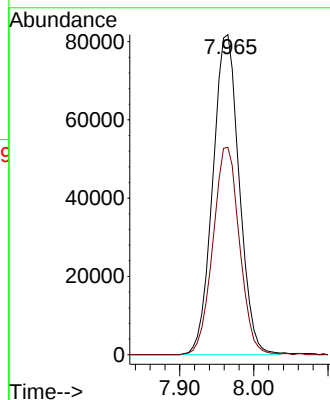
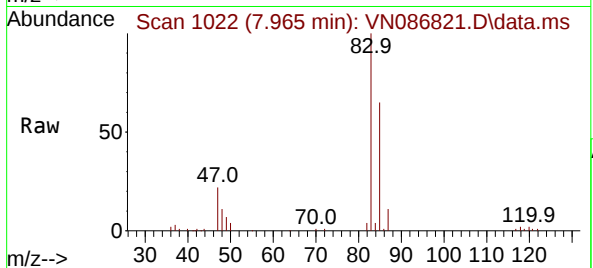
85 64.8 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#26

Cyclohexane

Concen: 22.316 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

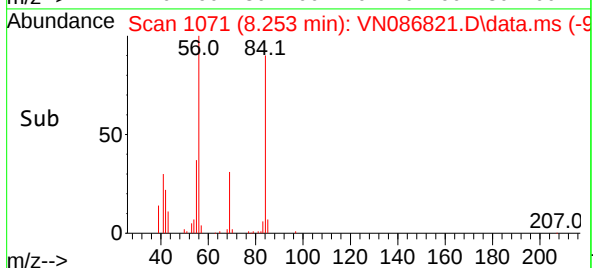
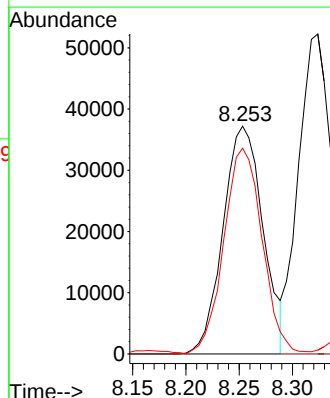
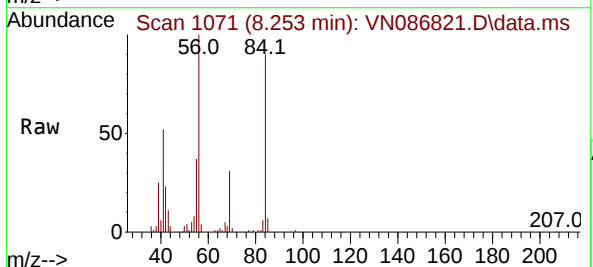
Tgt Ion: 56 Resp: 97050

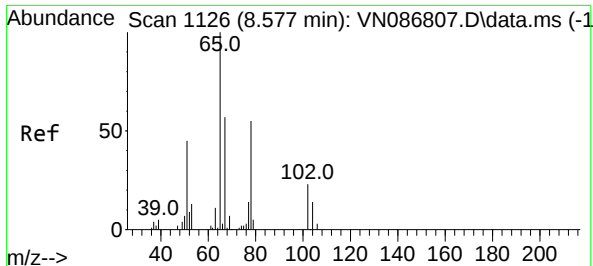
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.8 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 31.831 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

Tgt Ion: 65 Resp: 9437

Ion Ratio Lower Upper

65 100

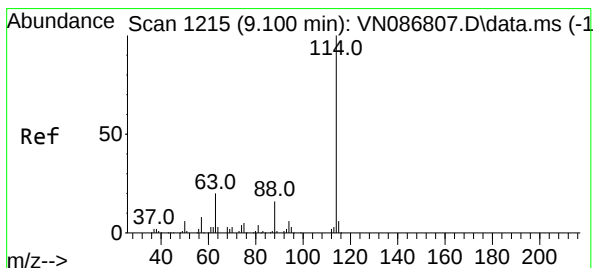
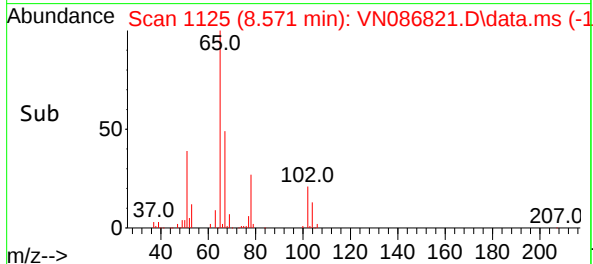
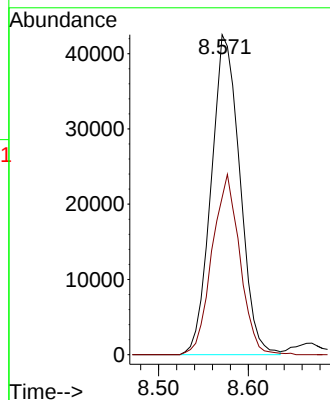
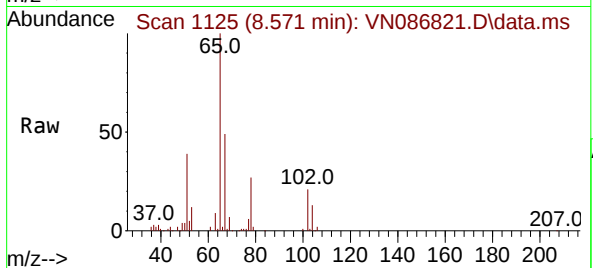
67 54.5 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

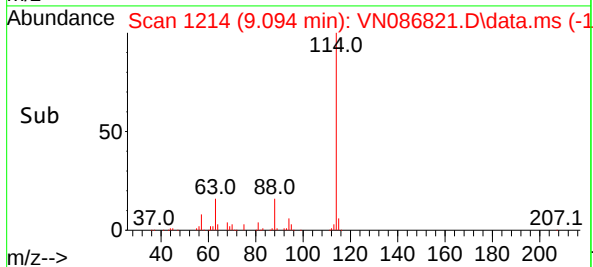
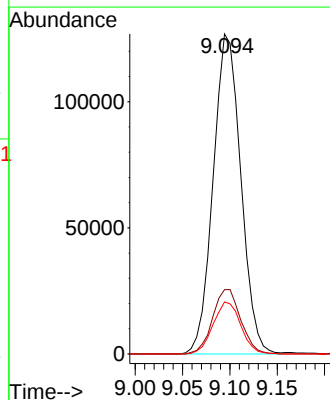
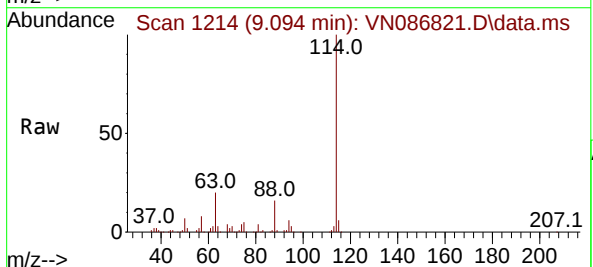
Tgt Ion:114 Resp: 257974

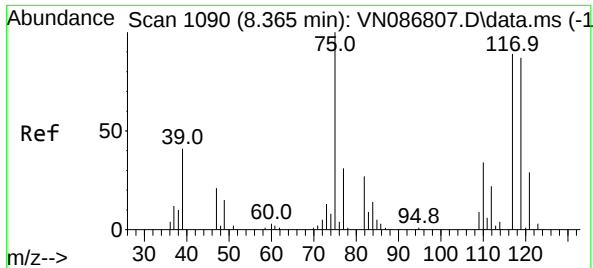
Ion Ratio Lower Upper

114 100

63 20.4 15.8 23.8

88 16.2 12.9 19.3





#29
1,1-Dichloropropene
Concen: 20.444 ug/l
RT: 8.371 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

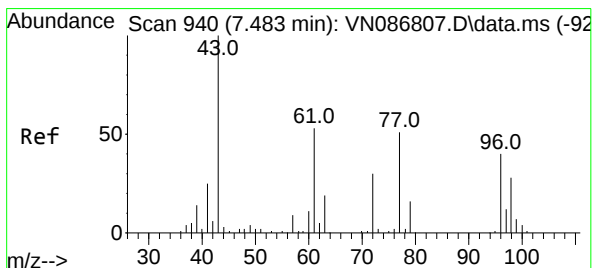
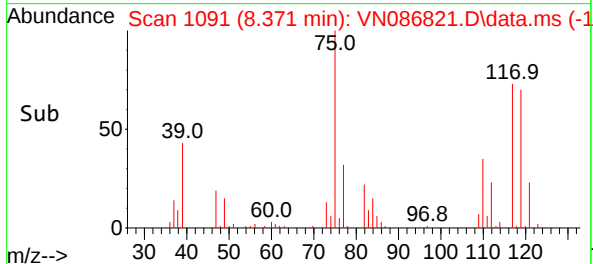
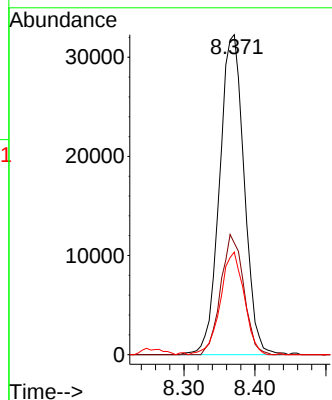
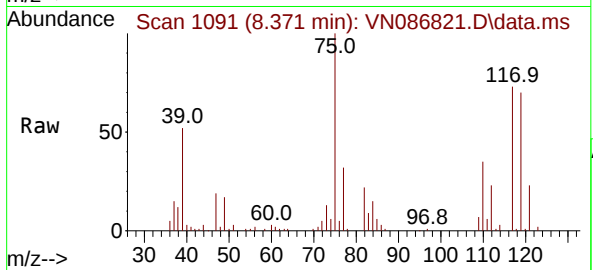
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion: 75 Resp: 7754

Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	71.0
77	31.0	0.0	62.4

Manual Integrations
APPROVED

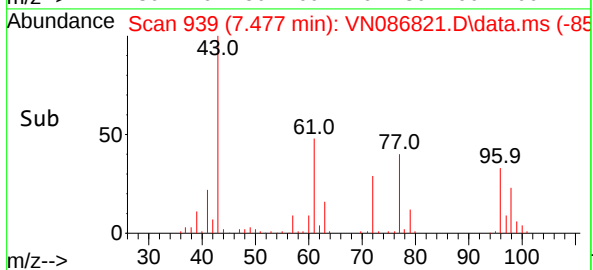
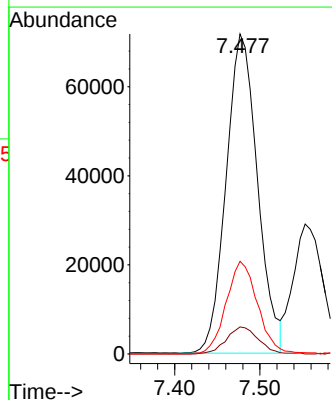
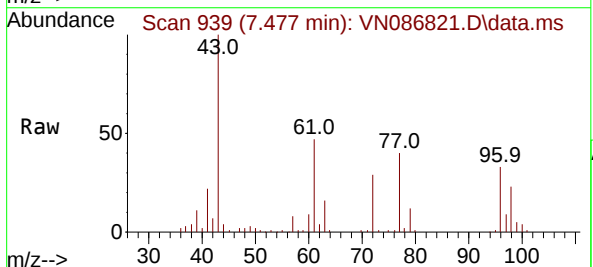
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

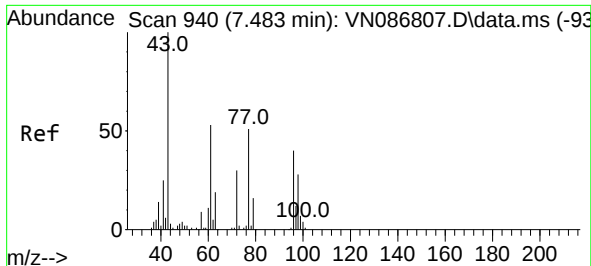


#30
2-Butanone
Concen: 110.504 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion: 43 Resp: 183646

Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.8	10.2
72	29.1	23.4	35.0





#31

2,2-Dichloropropane

Concen: 20.332 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

Tgt Ion: 77 Resp: 9103

Ion Ratio Lower Upper

77 100

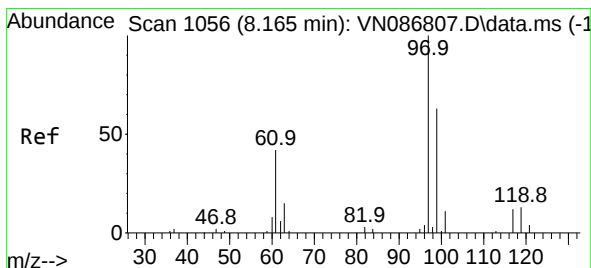
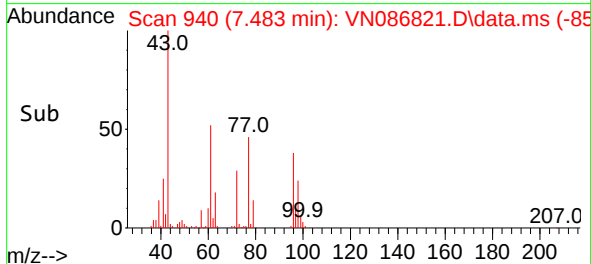
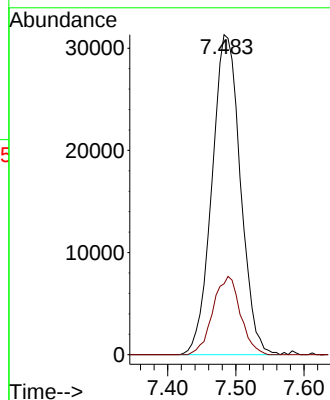
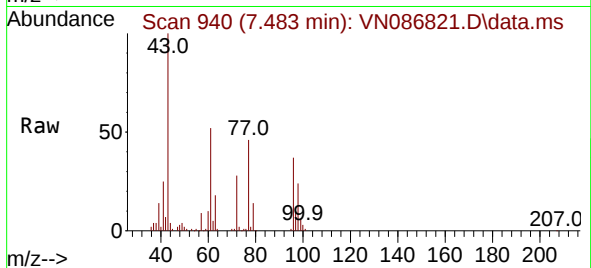
97 23.6 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#32

1,1,1-Trichloroethane

Concen: 20.676 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

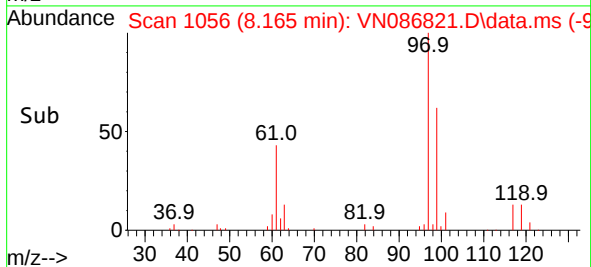
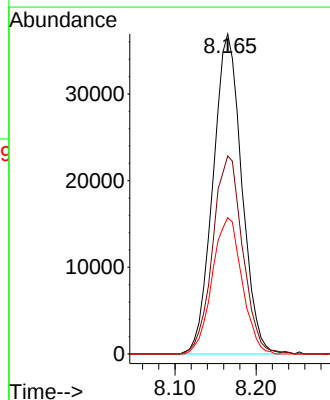
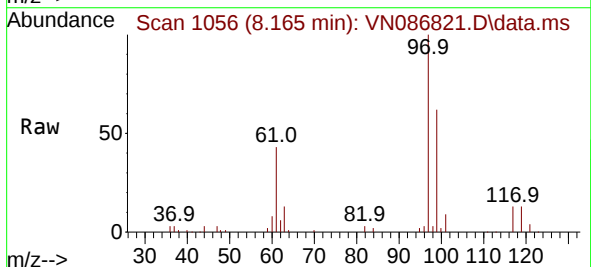
Tgt Ion: 97 Resp: 90907

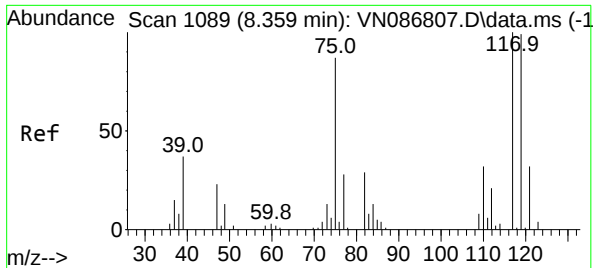
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

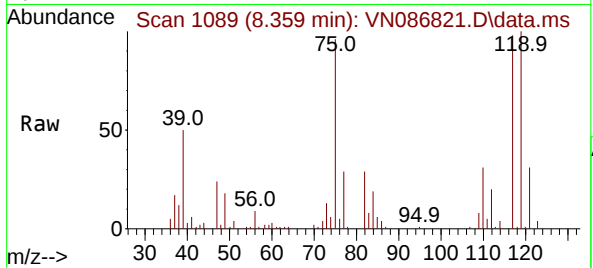
61 44.1 35.4 53.2





#33
Carbon Tetrachloride
Concen: 20.173 ug/l
RT: 8.359 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

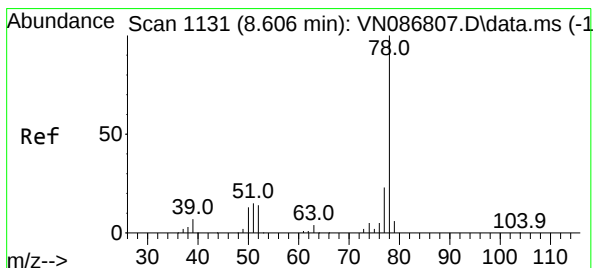
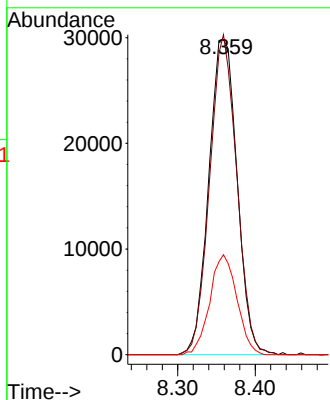
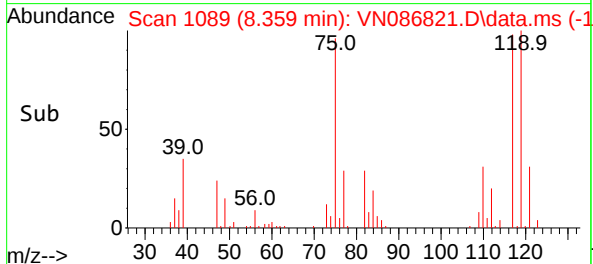
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



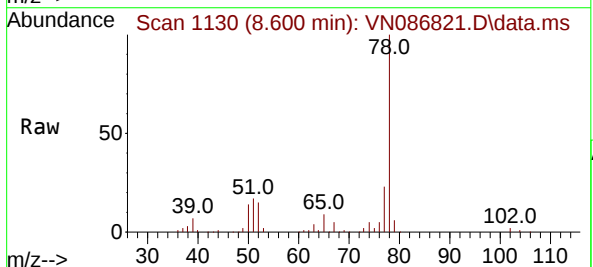
Tgt Ion: 117 Resp: 75818
Ion Ratio Lower Upper
117 100
119 101.6 79.2 118.8
121 31.8 25.6 38.4

Manual Integrations
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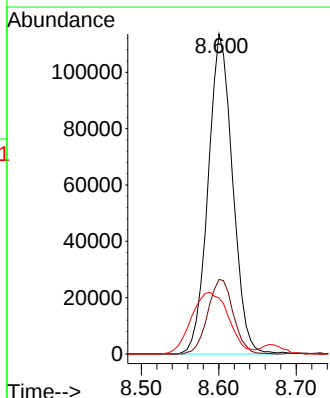
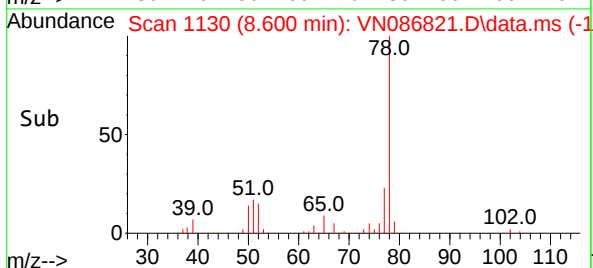
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

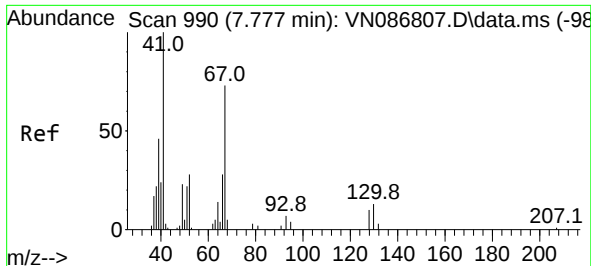


#34
Benzene
Concen: 20.203 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



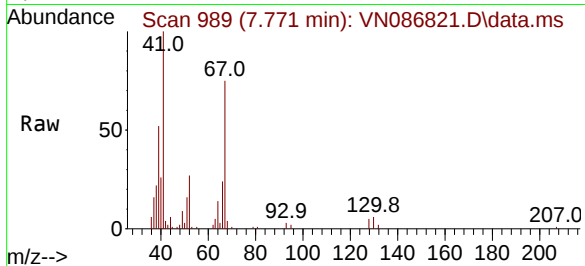
Tgt Ion: 78 Resp: 249326
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2
51 15.1 11.9 17.9





#35
Methacrylonitrile
Concen: 22.556 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

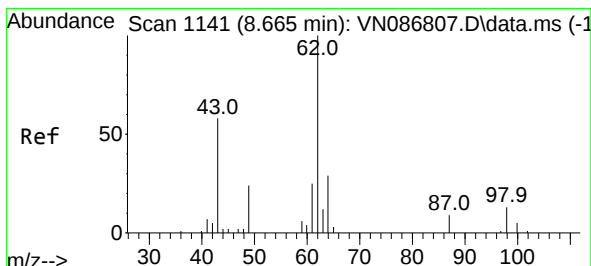
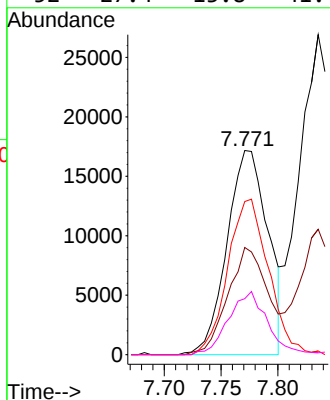
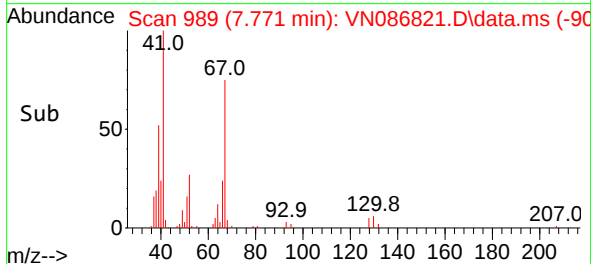
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 41 Resp: 4306
Ion Ratio Lower Upper
41 100
39 52.5 23.2 69.6
67 75.0 36.5 109.7
52 27.4 13.8 41.4

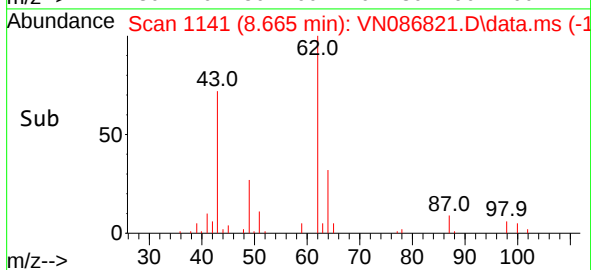
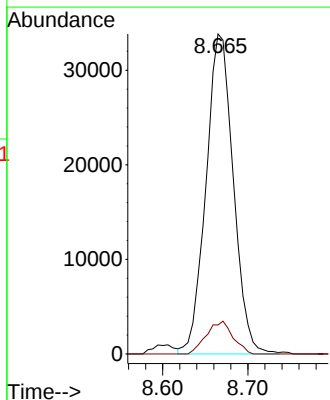
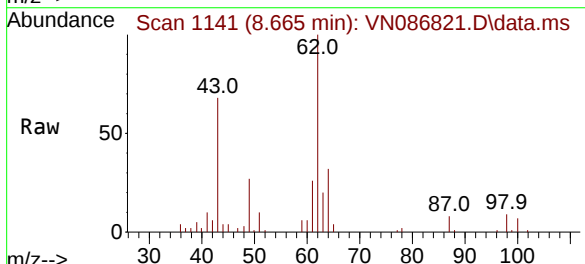
Manual Integrations
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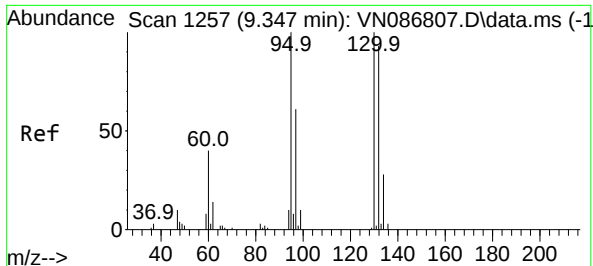
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#36
1,2-Dichloroethane
Concen: 20.902 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion: 62 Resp: 75590
Ion Ratio Lower Upper
62 100
98 9.9 8.5 12.7





#37

Trichloroethene

Concen: 16.958 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

Tgt Ion:130 Resp: 58049

Ion Ratio Lower Upper

130 100

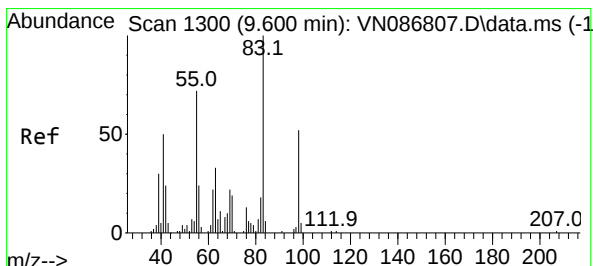
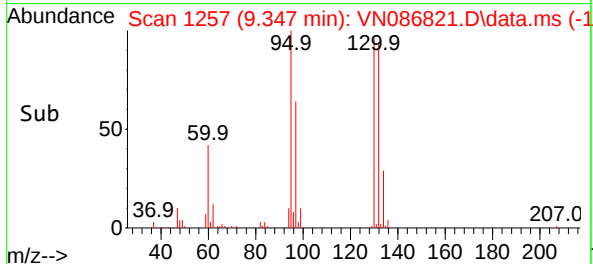
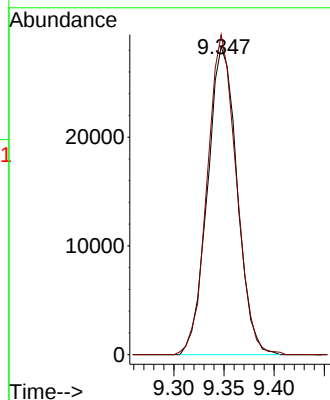
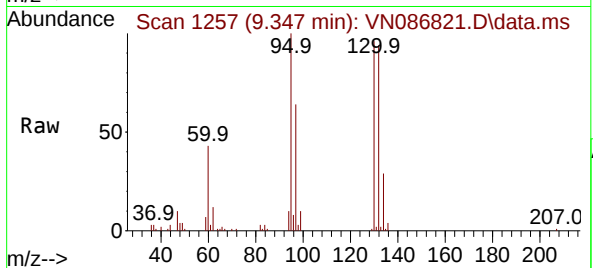
95 103.0 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#38

Methylcyclohexane

Concen: 21.426 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

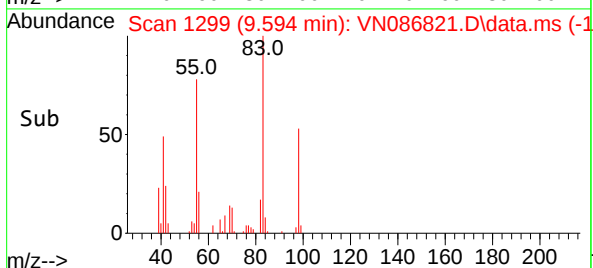
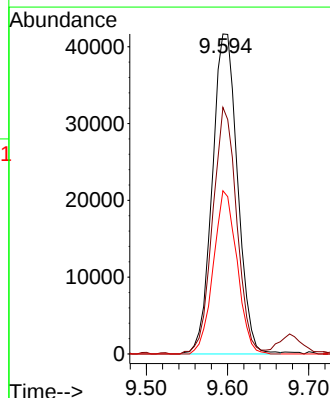
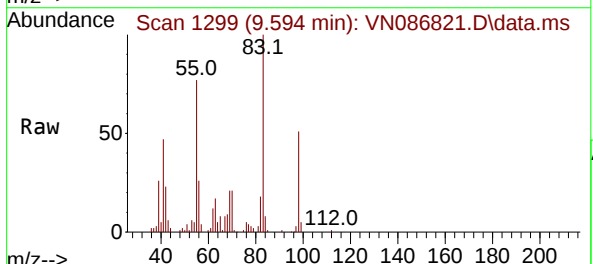
Tgt Ion: 83 Resp: 90170

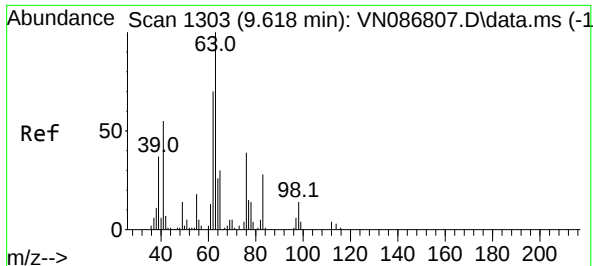
Ion Ratio Lower Upper

83 100

55 73.4 37.4 112.1

98 47.9 24.6 73.6





#39

1,2-Dichloropropane

Concen: 20.287 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001MSD

Tgt Ion: 63 Resp: 6027

Ion Ratio Lower Upper

63 100

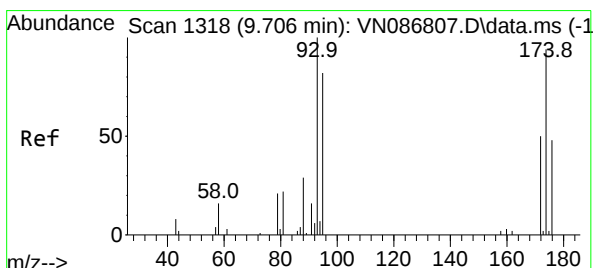
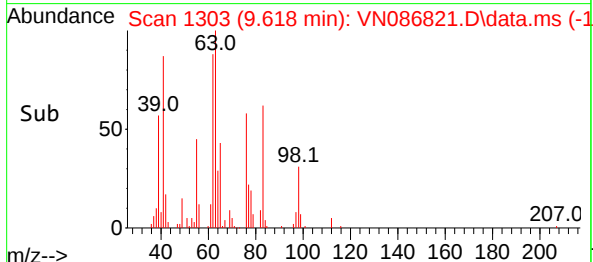
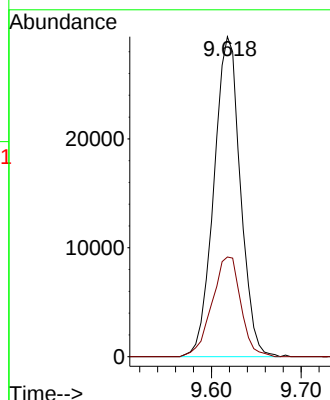
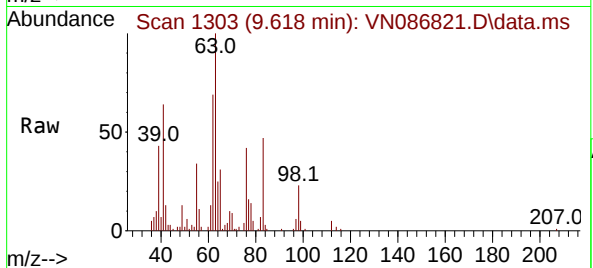
65 31.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#40

Dibromomethane

Concen: 20.506 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086821.D

Acq: 29 May 2025 17:49

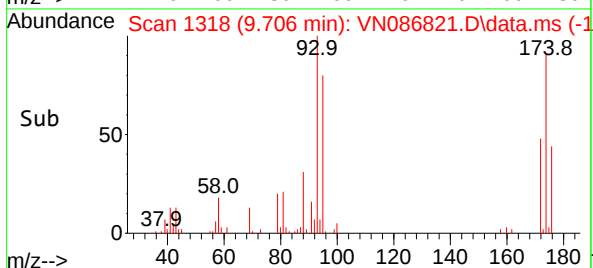
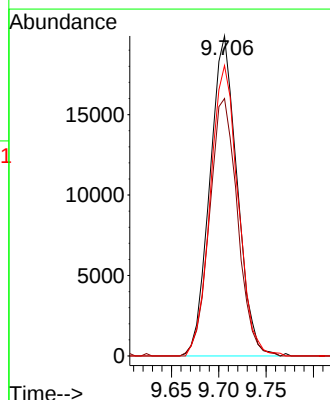
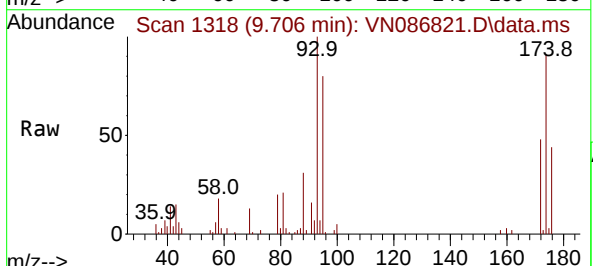
Tgt Ion: 93 Resp: 39849

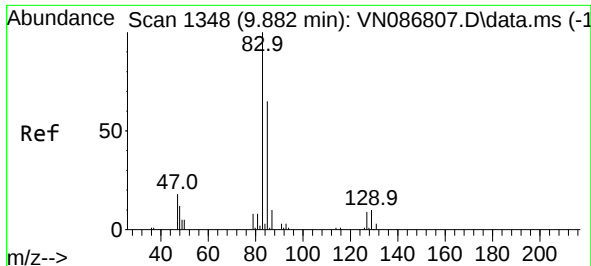
Ion Ratio Lower Upper

93 100

95 82.2 0.0 166.4

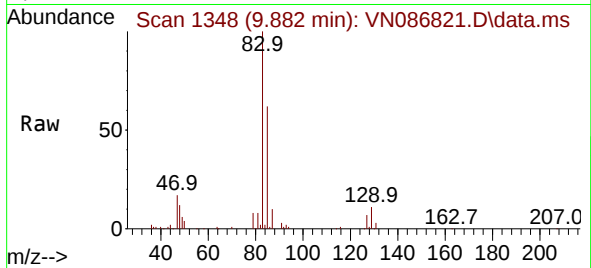
174 92.0 0.0 181.8





#41
Bromodichloromethane
Concen: 24.876 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

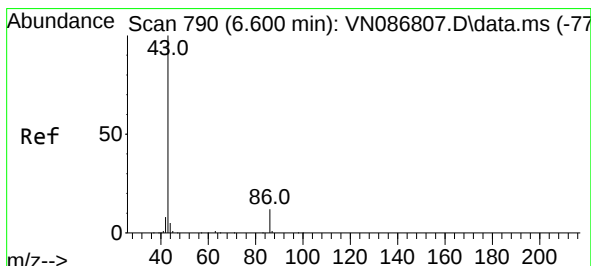
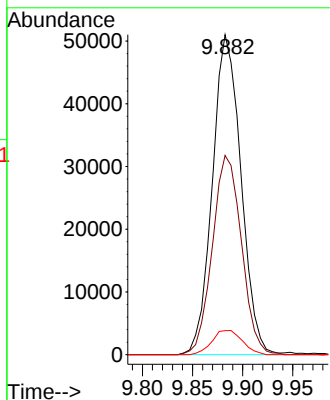
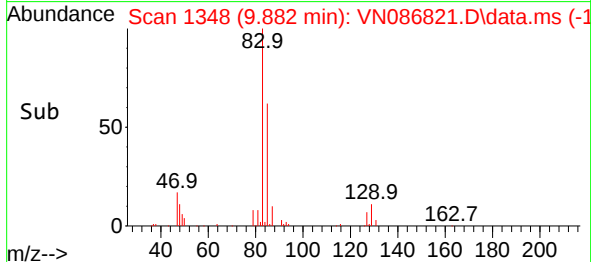
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 83 Resp: 101189
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.8
127 7.5 6.8 10.2

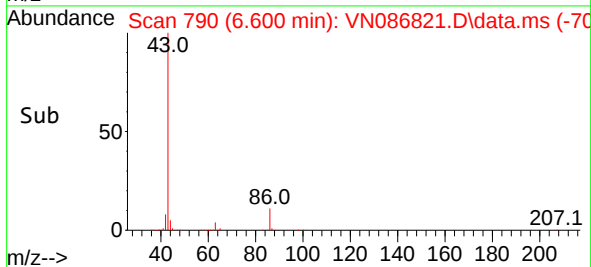
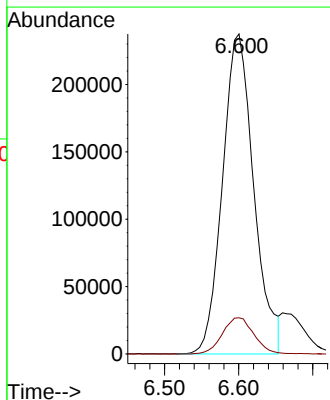
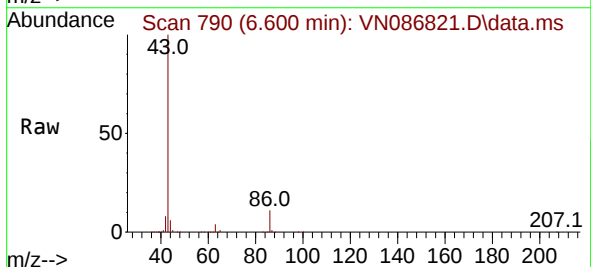
Manual Integrations
APPROVED

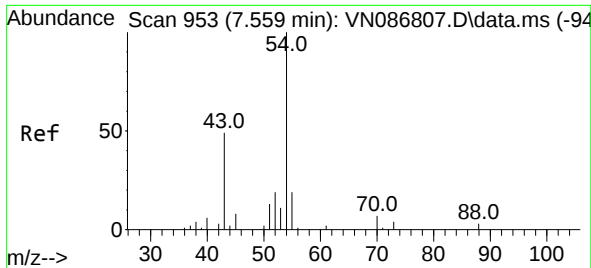
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#42
Vinyl Acetate
Concen: 143.935 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

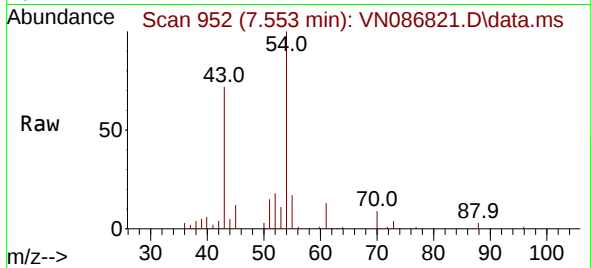
Tgt Ion: 43 Resp: 697258
Ion Ratio Lower Upper
43 100
86 11.4 9.5 14.3





#43
Ethyl Acetate
Concen: 20.949 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

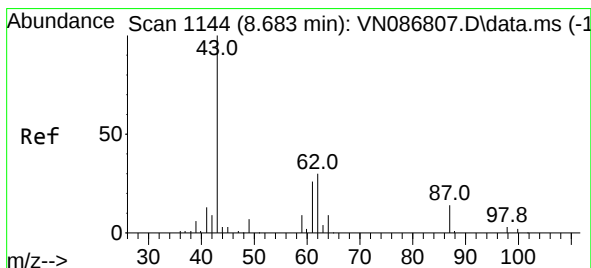
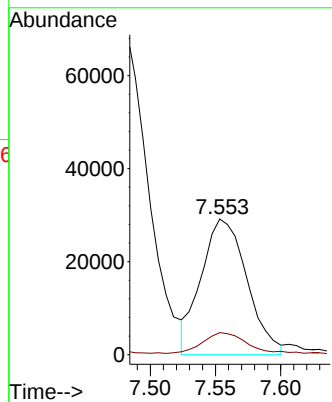
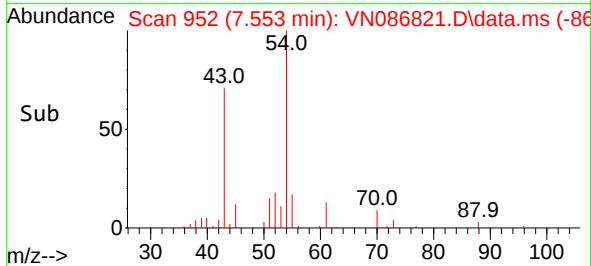
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 43 Resp: 7124
Ion Ratio Lower Upper
43 100
45 16.9 11.1 16.7

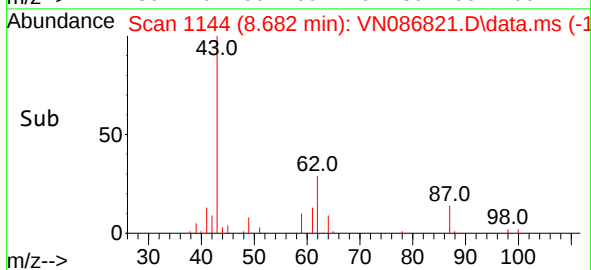
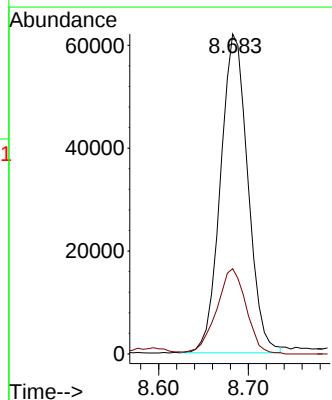
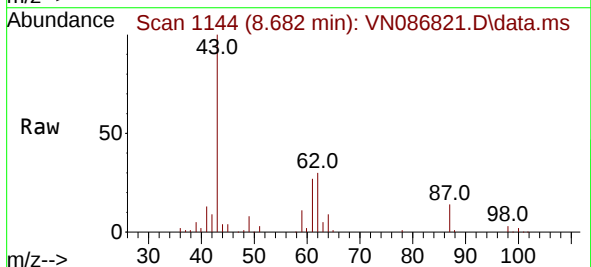
Manual Integrations
APPROVED

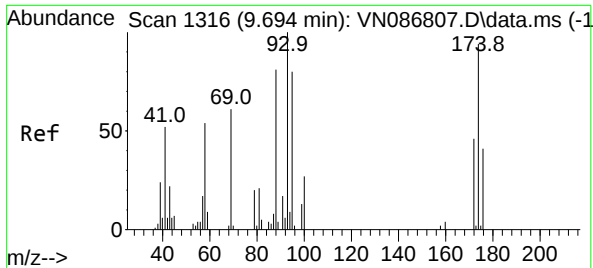
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#44
Isopropyl Acetate
Concen: 22.470 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

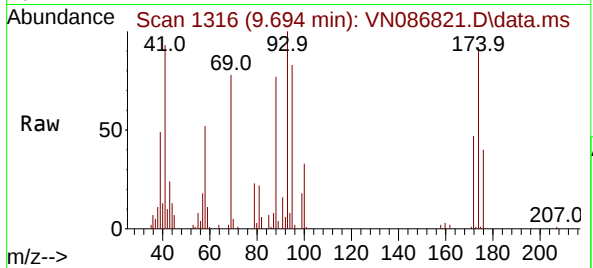
Tgt Ion: 43 Resp: 131083
Ion Ratio Lower Upper
43 100
61 29.0 23.8 35.6





#45
1,4-Dioxane
Concen: 425.230 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

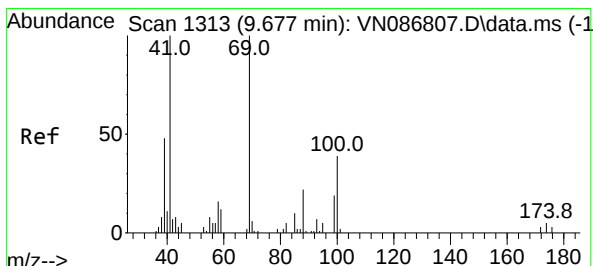
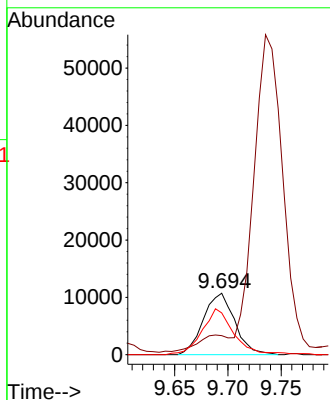
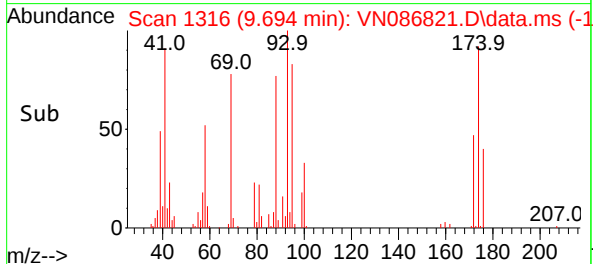
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



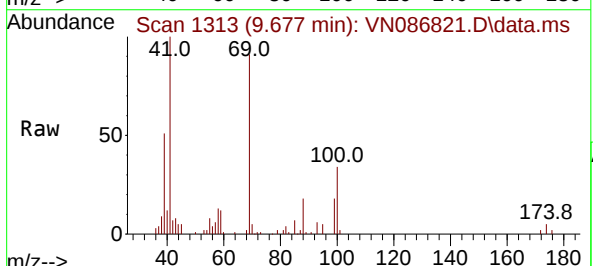
Tgt Ion: 88 Resp: 22048
Ion Ratio Lower Upper
88 100
43 30.4 23.0 34.6
58 73.3 57.6 86.4

Manual Integrations
APPROVED

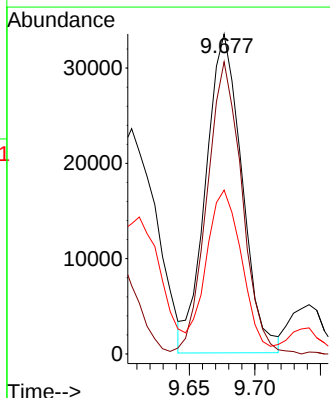
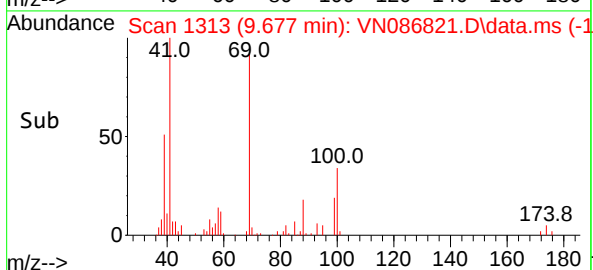
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

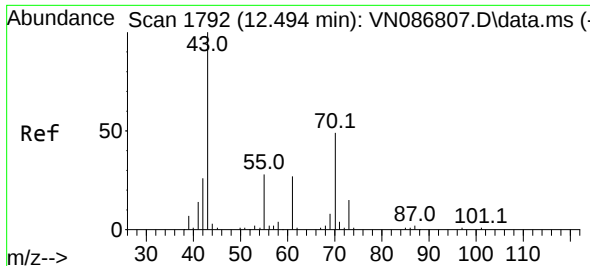


#46
Methyl methacrylate
Concen: 23.860 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



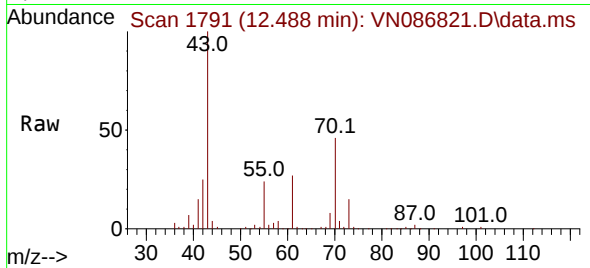
Tgt Ion: 41 Resp: 64179
Ion Ratio Lower Upper
41 100
69 95.1 48.0 144.2
39 51.0 23.8 71.2





#47
n-amyl acetate
Concen: 25.325 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

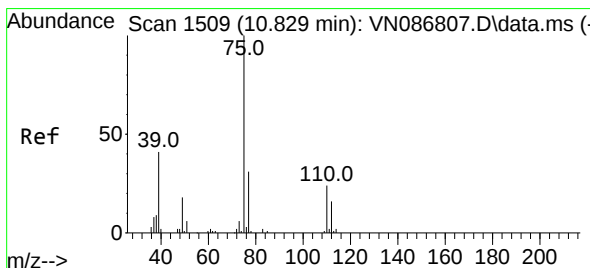
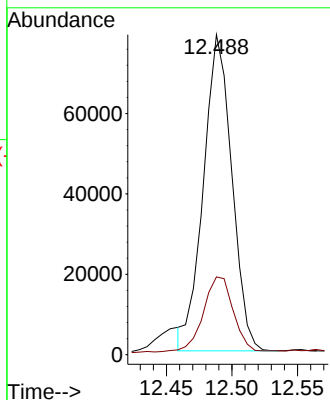
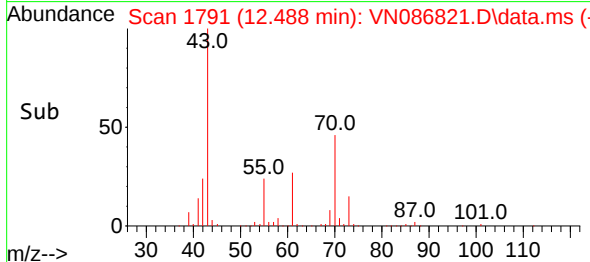
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 43 Resp: 118604
Ion Ratio Lower Upper
43 100
55 25.1 21.7 32.5

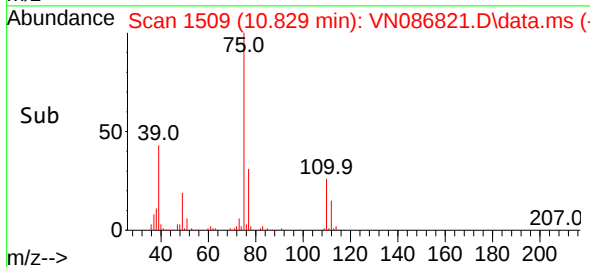
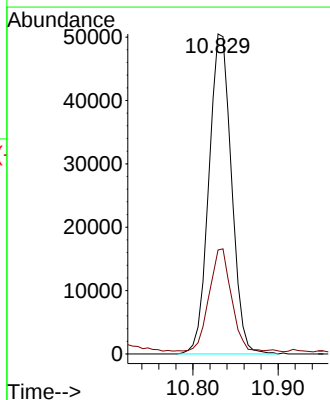
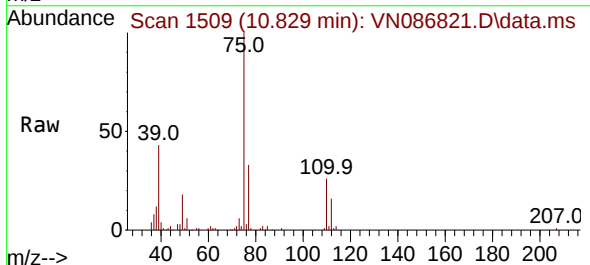
Manual Integrations
APPROVED

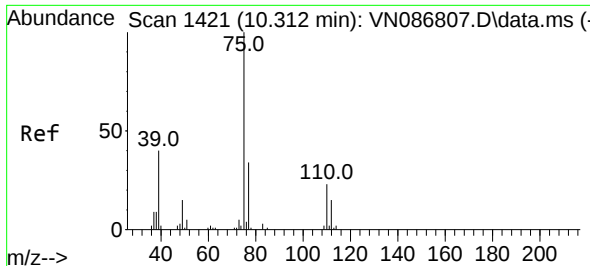
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#48
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

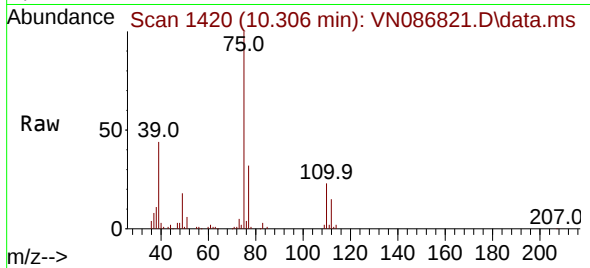
Tgt Ion: 75 Resp: 93278
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7





#49
cis-1,3-Dichloropropene
Concen: 20.725 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

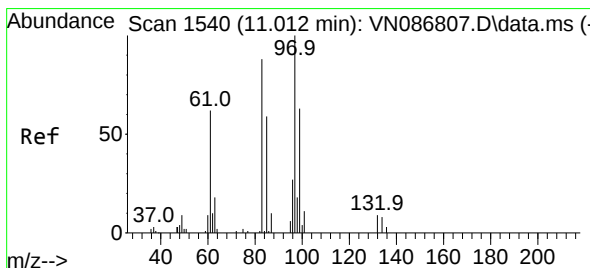
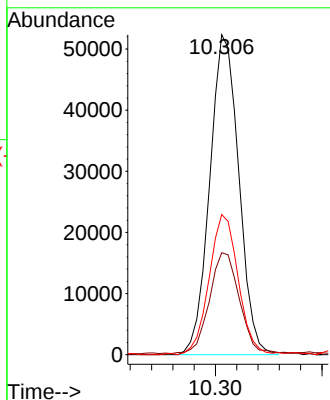
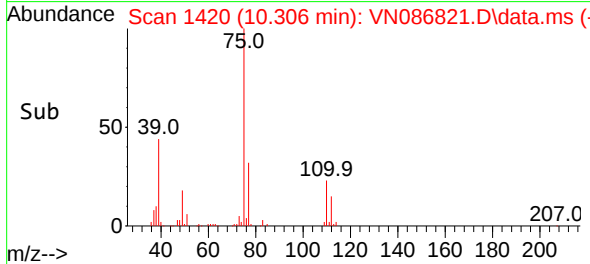
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 75 Resp: 9923
Ion Ratio Lower Upper
75 100
77 31.2 26.9 40.3
39 43.8 31.8 47.6

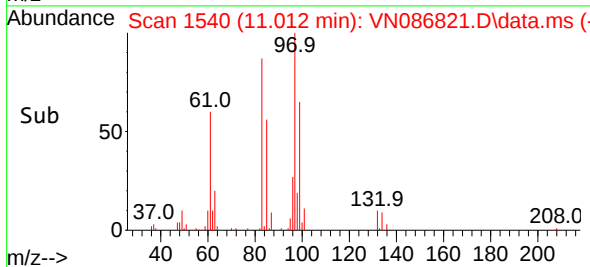
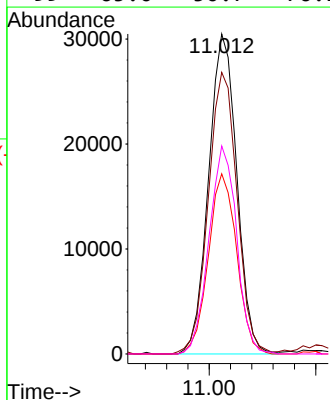
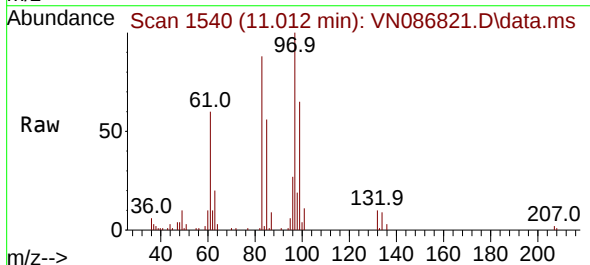
Manual Integrations
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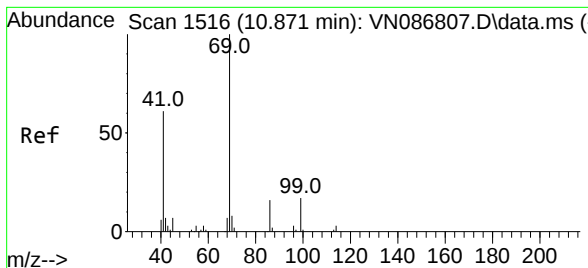
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#50
1,1,2-Trichloroethane
Concen: 20.472 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion: 97 Resp: 56032
Ion Ratio Lower Upper
97 100
83 87.3 70.6 105.8
85 56.3 46.8 70.2
99 65.0 50.7 76.1





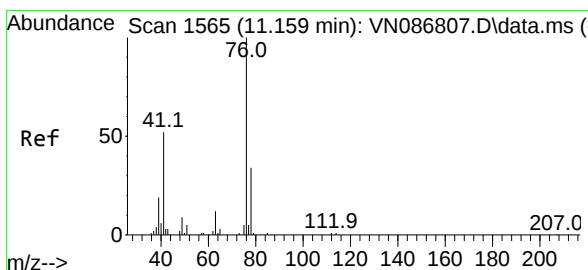
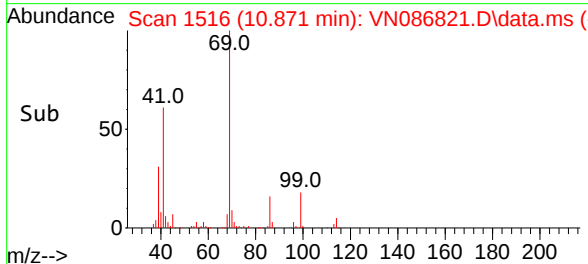
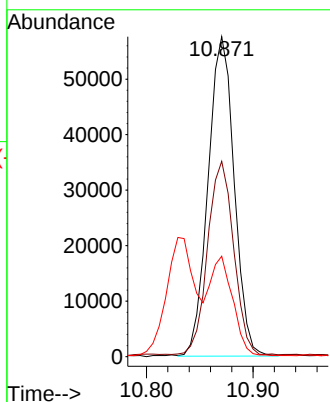
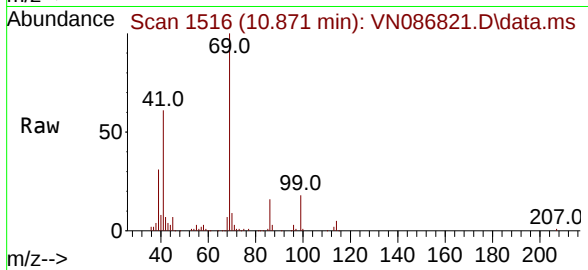
#51
Ethyl methacrylate
Concen: 22.119 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion: 69 Resp: 98045
Ion Ratio Lower Upper
69 100
41 60.6 30.5 91.5
39 31.1 14.3 42.9

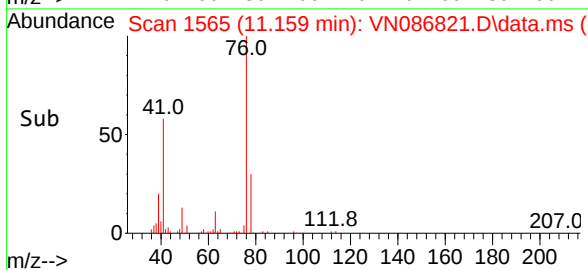
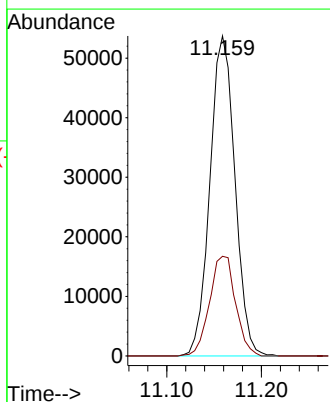
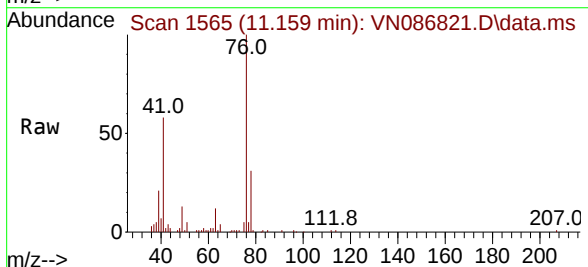
Manual Integrations
APPROVED

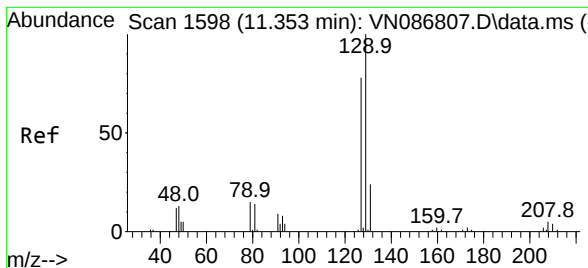
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#52
1,3-Dichloropropane
Concen: 20.305 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

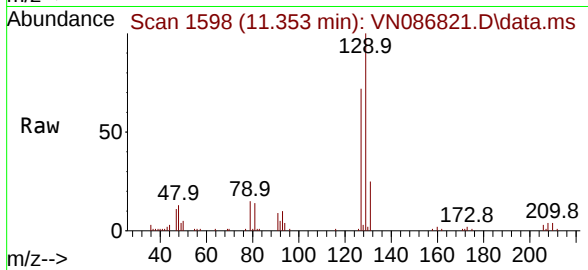
Tgt Ion: 76 Resp: 98625
Ion Ratio Lower Upper
76 100
78 32.3 0.0 64.6





#53
Dibromochloromethane
Concen: 21.640 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

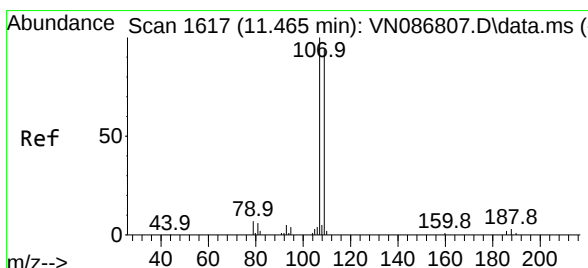
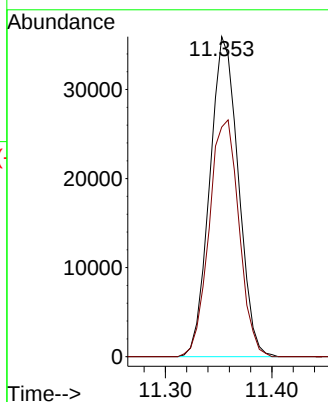
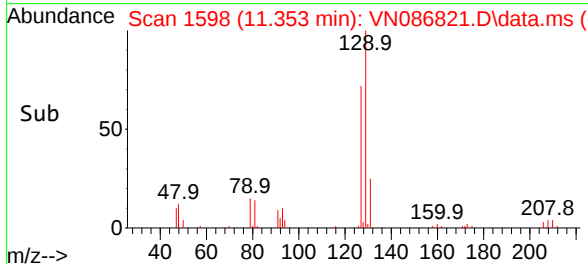
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



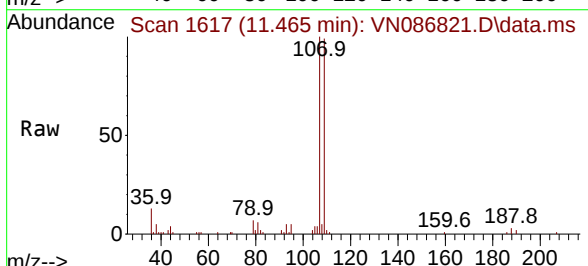
Tgt Ion:129 Resp: 6693
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3

Manual Integrations
APPROVED

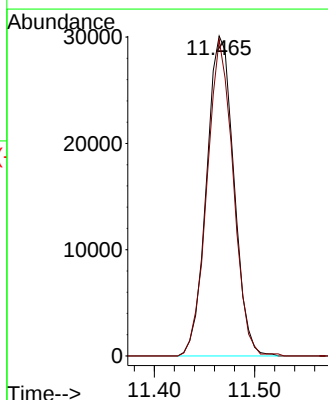
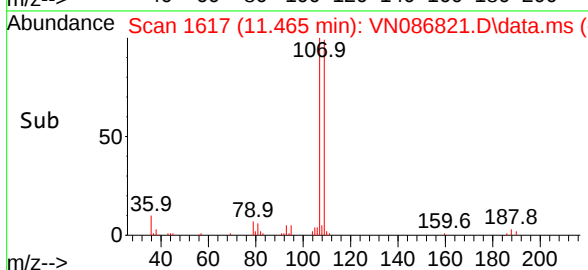
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

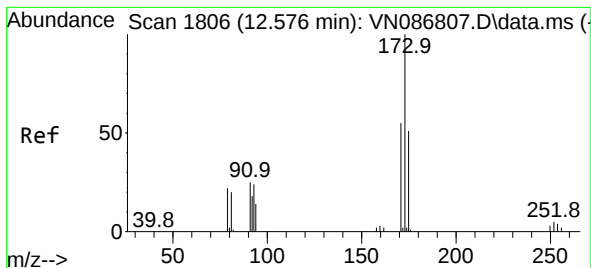


#54
1,2-Dibromoethane
Concen: 20.374 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



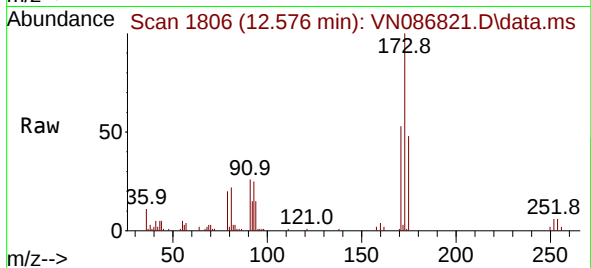
Tgt Ion:107 Resp: 57001
Ion Ratio Lower Upper
107 100
109 94.7 75.0 112.6





#56
Bromoform
Concen: 21.265 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

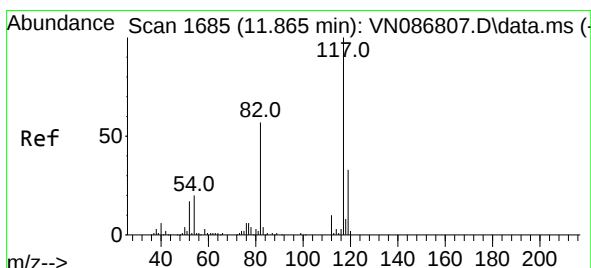
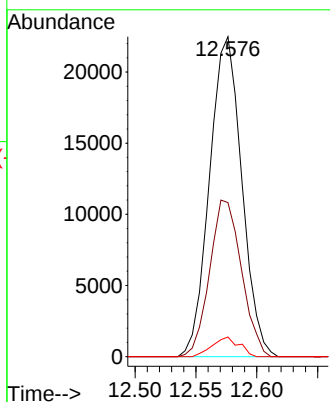
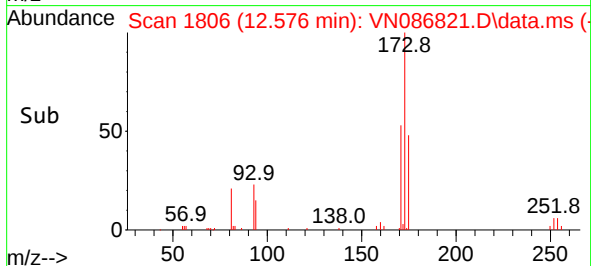
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion:173 Resp: 4144
Ion Ratio Lower Upper
173 100
175 48.3 39.7 59.5
254 5.1 3.5 5.3

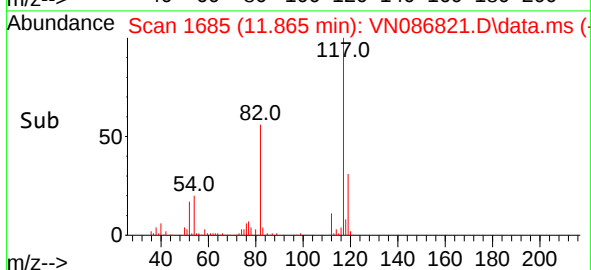
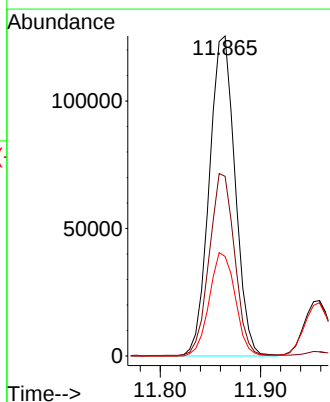
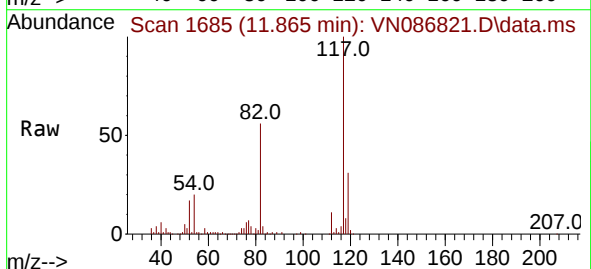
Manual Integrations
APPROVED

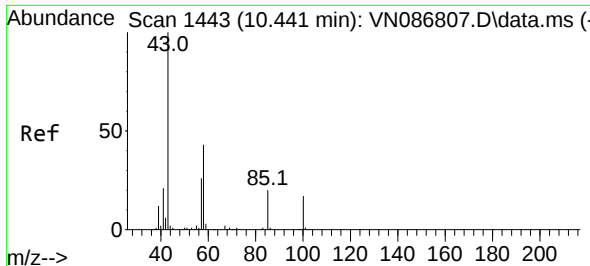
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

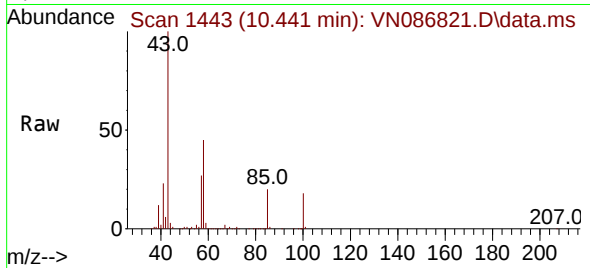
Tgt Ion:117 Resp: 224139
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.4 25.6 38.4





#58
4-Methyl-2-Pentanone
Concen: 117.384 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

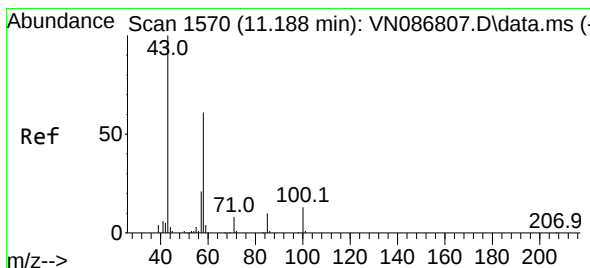
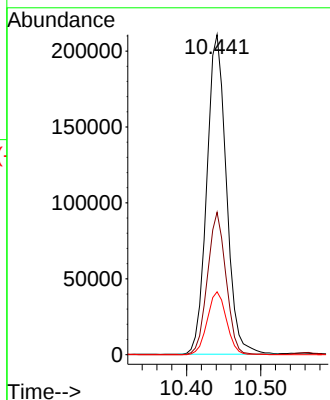
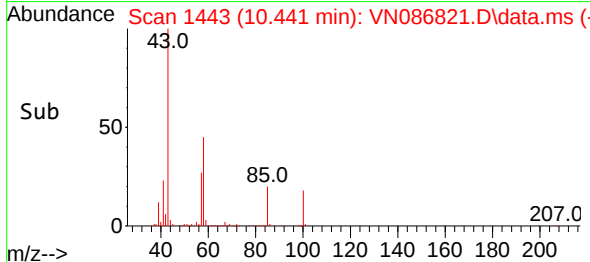
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 43 Resp: 386060
Ion Ratio Lower Upper
43 100
58 42.3 34.5 51.7
85 19.3 15.8 23.8

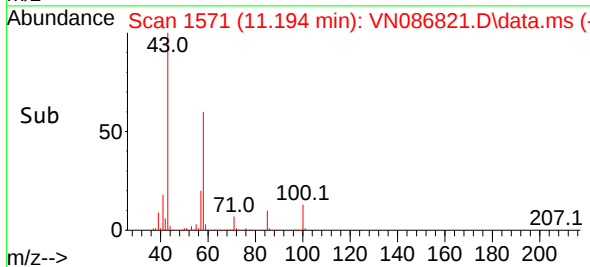
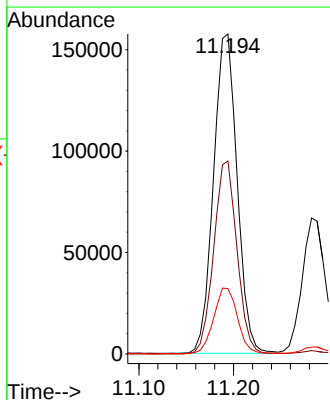
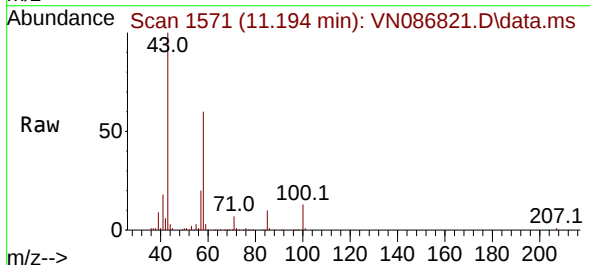
Manual Integrations
APPROVED

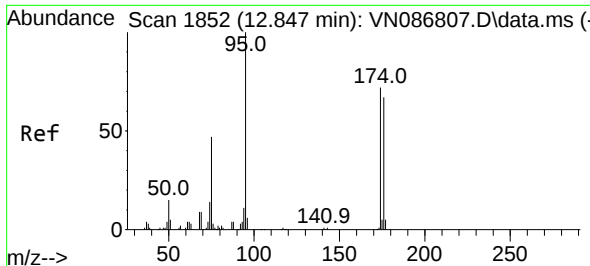
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#59
2-Hexanone
Concen: 115.988 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

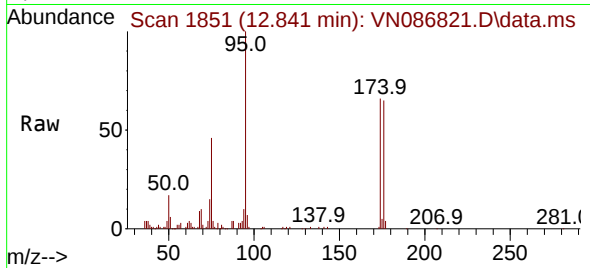
Tgt Ion: 43 Resp: 273247
Ion Ratio Lower Upper
43 100
58 59.4 49.1 73.7
57 20.7 16.6 25.0





#60
4-Bromofluorobenzene
Concen: 29.623 ug/l
RT: 12.841 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

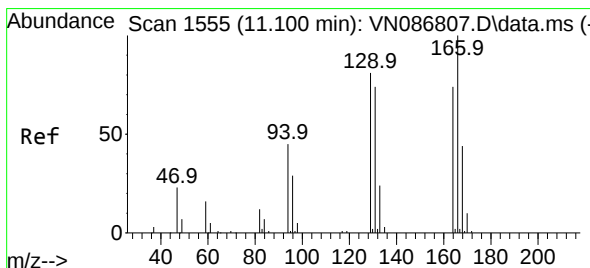
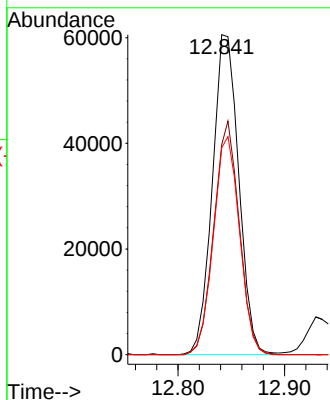
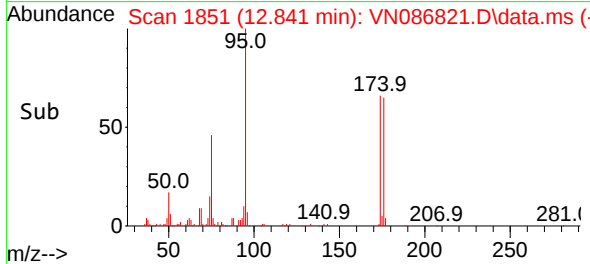
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 95 Resp: 10424
Ion Ratio Lower Upper
95 100
174 70.0 56.2 84.4
176 67.5 53.4 80.0

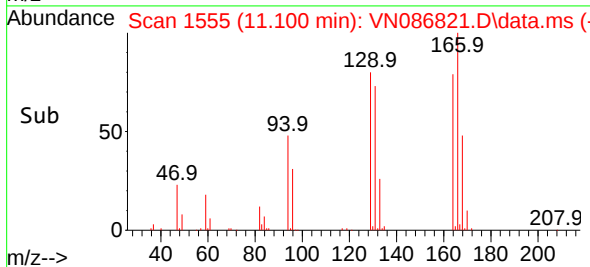
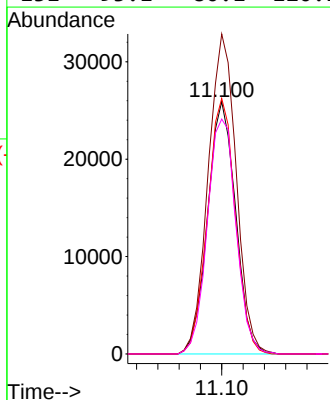
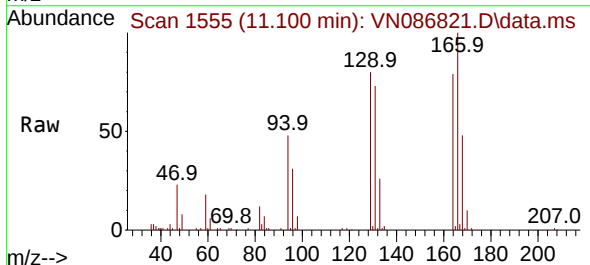
Manual Integrations
APPROVED

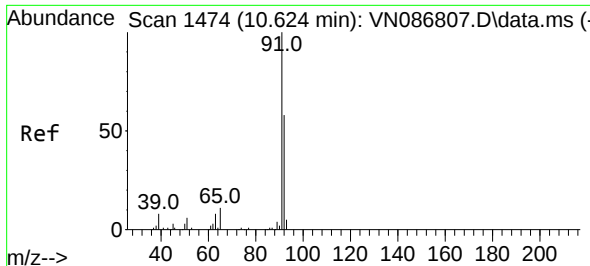
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#61
Tetrachloroethene
Concen: 12.530 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

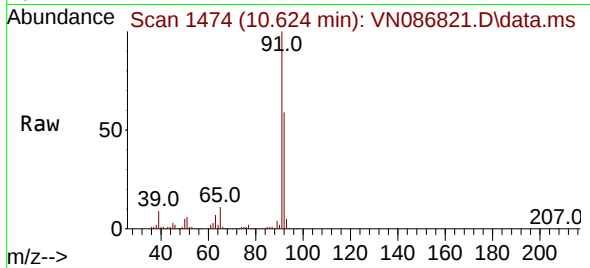
Tgt Ion:164 Resp: 47210
Ion Ratio Lower Upper
164 100
166 126.8 107.5 161.3
129 101.3 87.4 131.2
131 93.1 80.1 120.1





#62
Toluene
Concen: 20.786 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

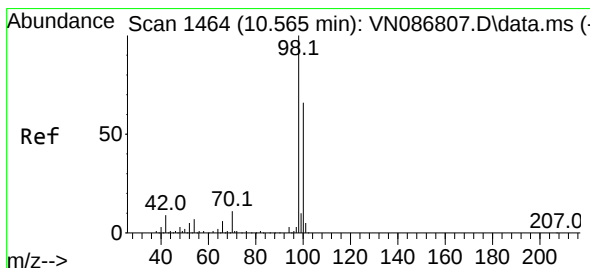
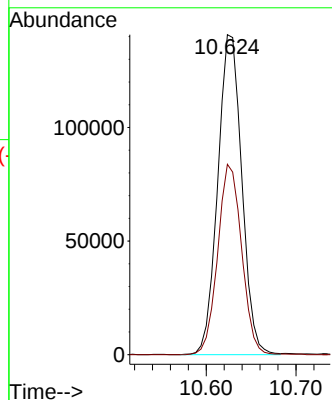
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion: 91 Resp: 262380
Ion Ratio Lower Upper
91 100
92 59.1 46.6 70.0

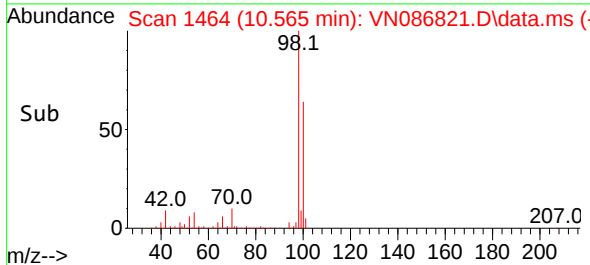
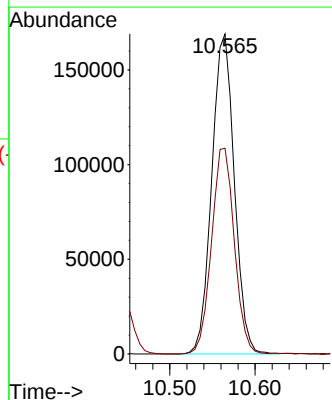
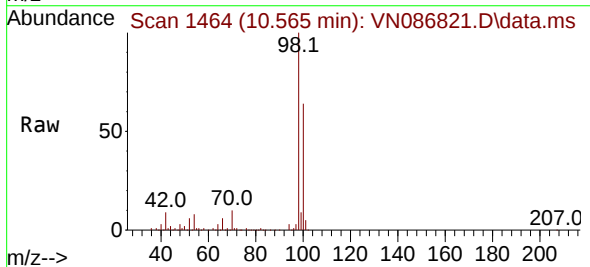
Manual Integrations
APPROVED

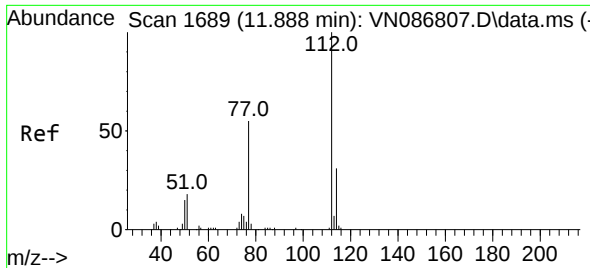
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#63
Toluene-d8
Concen: 30.182 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

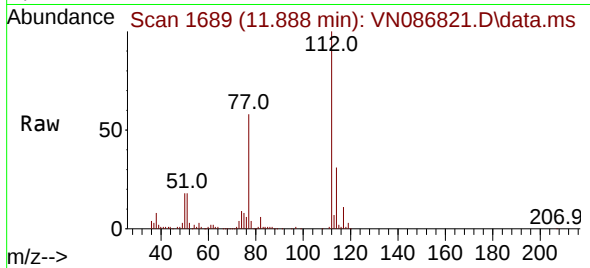
Tgt Ion: 98 Resp: 310504
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1





#64
Chlorobenzene
Concen: 20.358 ug/l
RT: 11.888 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

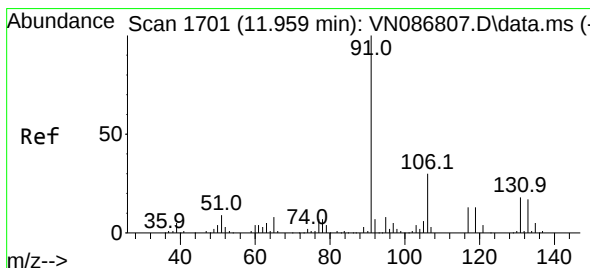
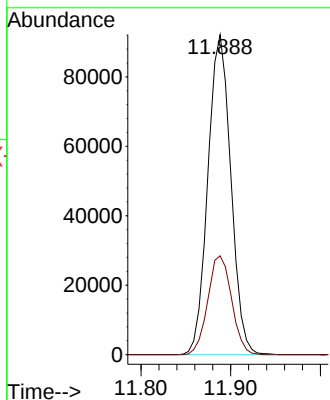
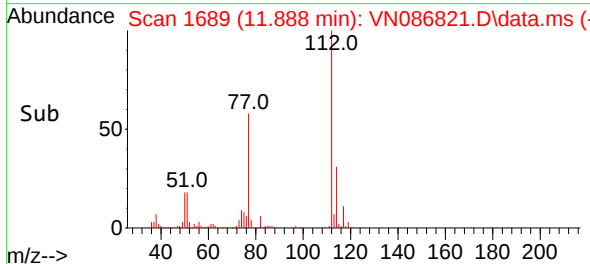
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



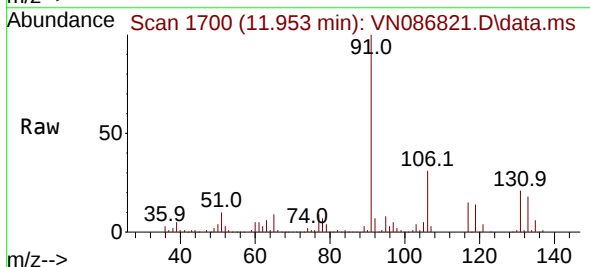
Tgt Ion:112 Resp: 16389
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

Manual Integrations
APPROVED

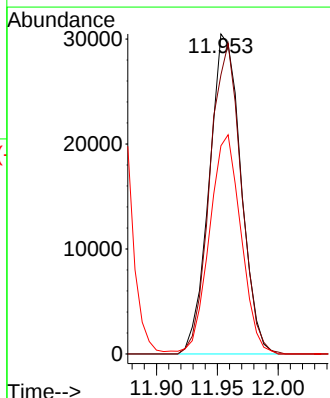
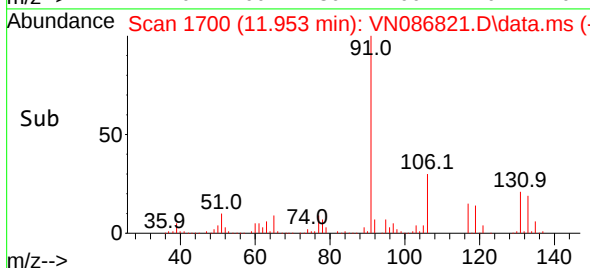
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

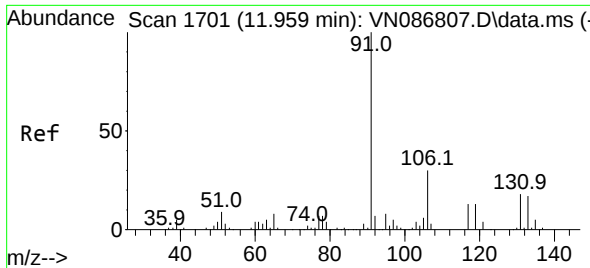


#65
1,1,1,2-Tetrachloroethane
Concen: 20.901 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



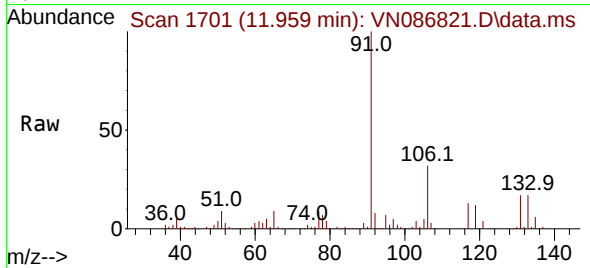
Tgt Ion:131 Resp: 55278
Ion Ratio Lower Upper
131 100
133 95.6 0.0 191.0
119 67.8 0.0 140.8





#66
Ethyl Benzene
Concen: 21.211 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

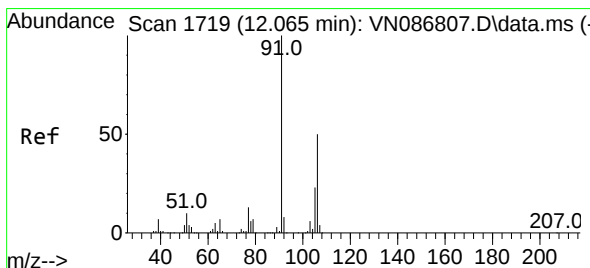
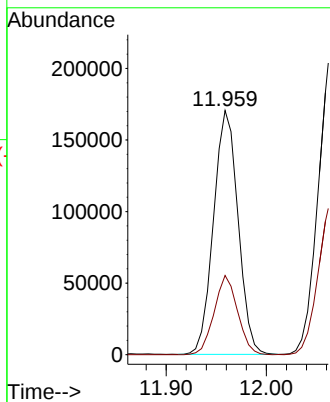
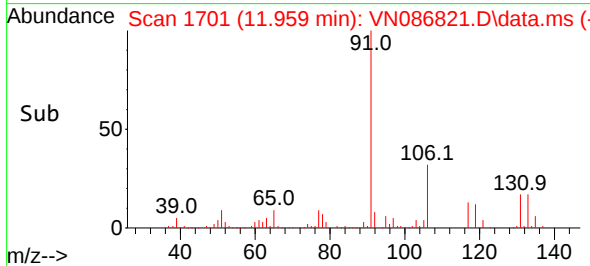
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



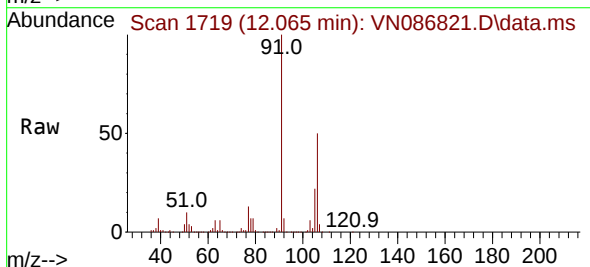
Tgt Ion: 91 Resp: 289610
Ion Ratio Lower Upper
91 100
106 32.5 23.6 35.4

Manual Integrations
APPROVED

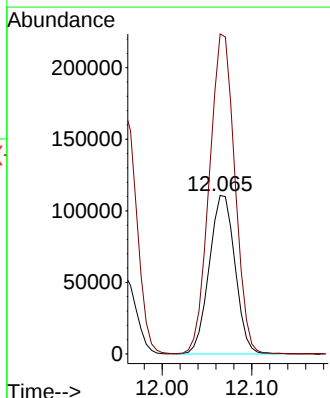
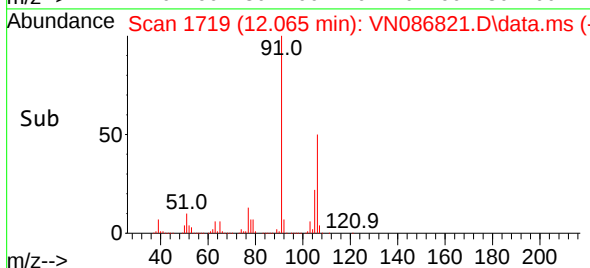
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

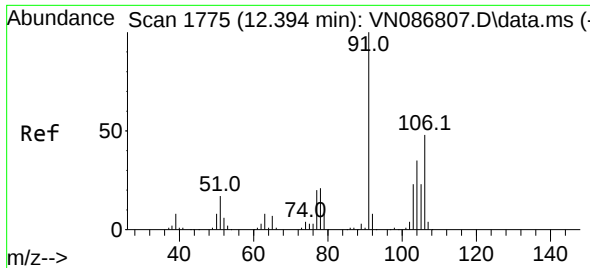


#67
m/p-Xylenes
Concen: 41.242 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



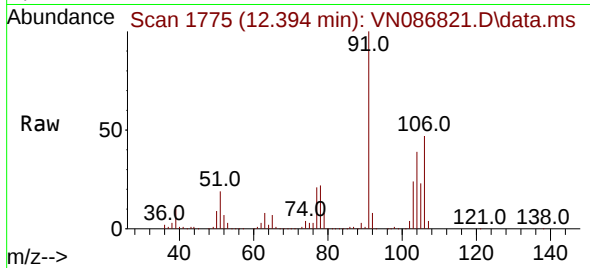
Tgt Ion:106 Resp: 220975
Ion Ratio Lower Upper
106 100
91 199.1 160.7 241.1





#68
o-Xylene
Concen: 20.875 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

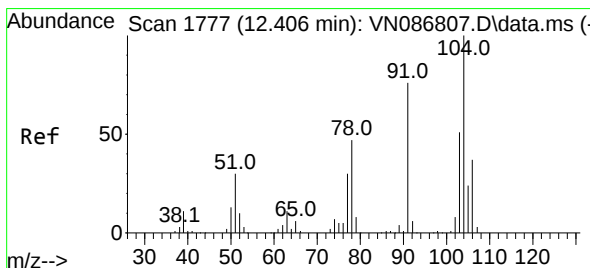
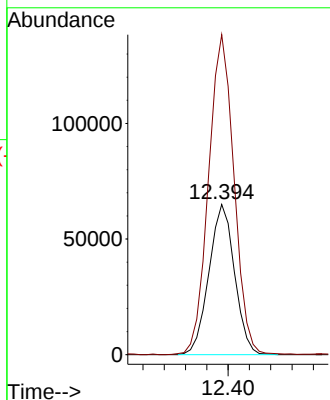
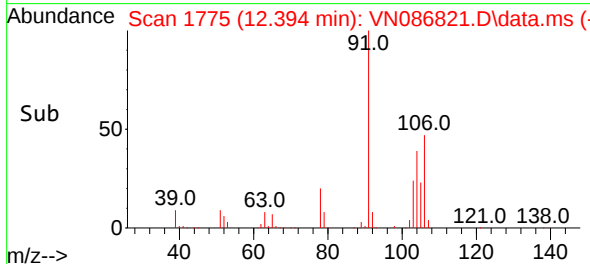
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



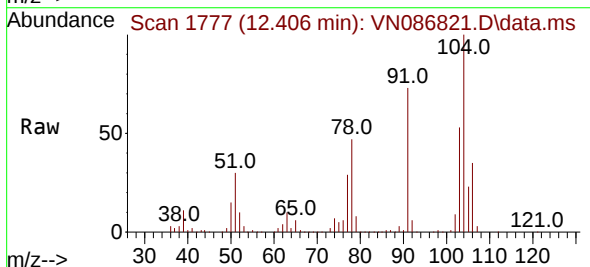
Tgt Ion:106 Resp: 108390
Ion Ratio Lower Upper
106 100
91 212.1 106.3 318.9

Manual Integrations
APPROVED

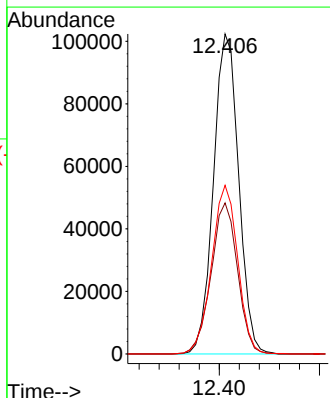
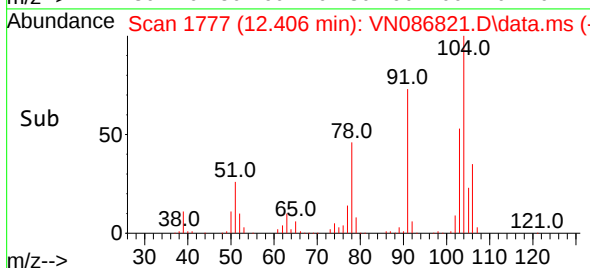
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

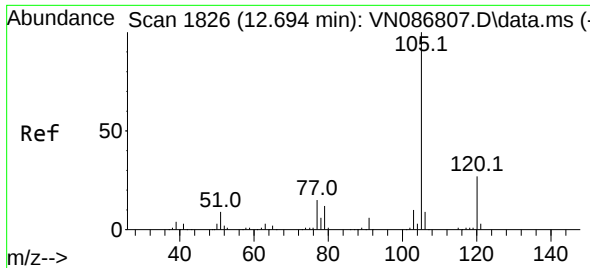


#69
Styrene
Concen: 20.619 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



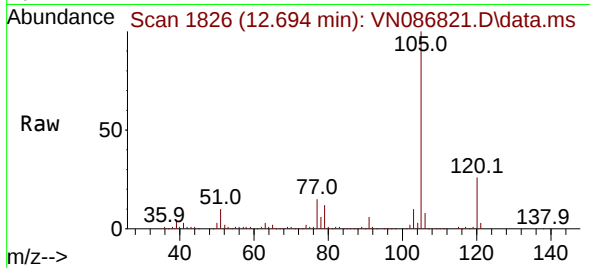
Tgt Ion:104 Resp: 178375
Ion Ratio Lower Upper
104 100
78 49.6 38.6 57.8
103 54.6 43.2 64.8





#70
Isopropylbenzene
Concen: 20.925 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

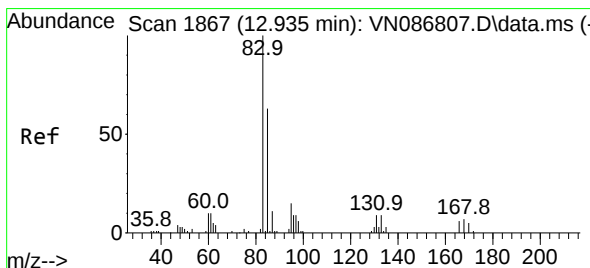
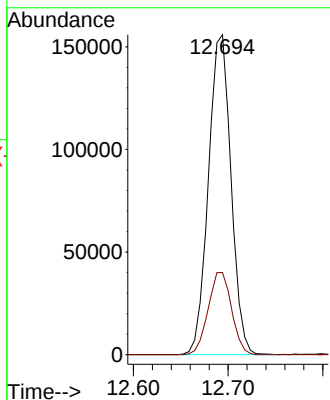
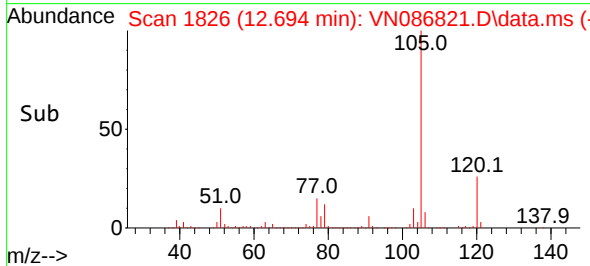
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



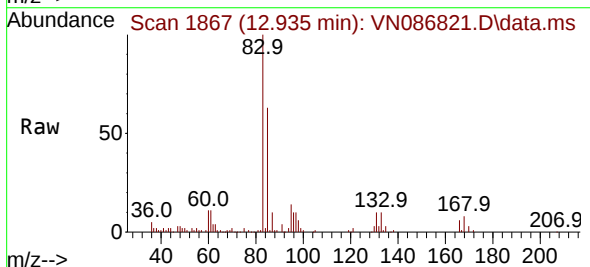
Tgt Ion:105 Resp: 25842
Ion Ratio Lower Upper
105 100
120 26.6 19.0 35.2

Manual Integrations
APPROVED

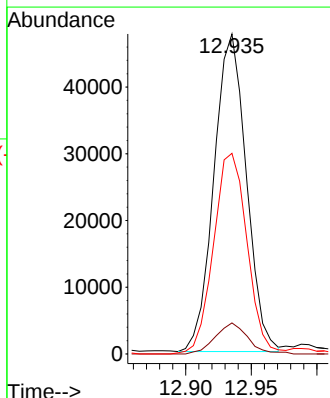
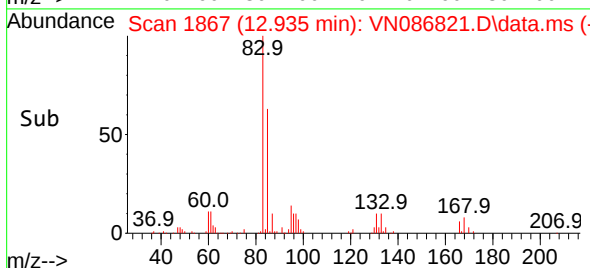
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

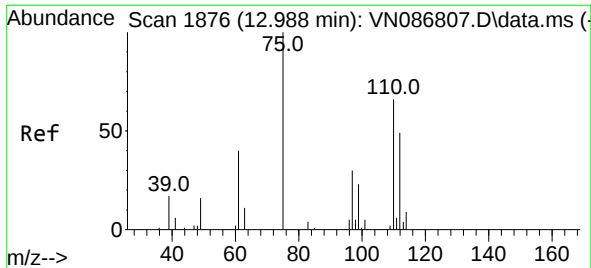


#71
1,1,2,2-Tetrachloroethane
Concen: 27.819 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



Tgt Ion: 83 Resp: 81687
Ion Ratio Lower Upper
83 100
131 9.7 5.0 15.0
85 65.5 32.6 97.7





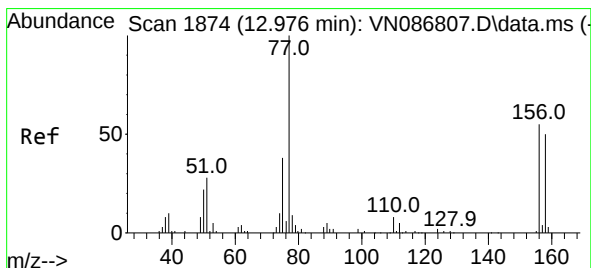
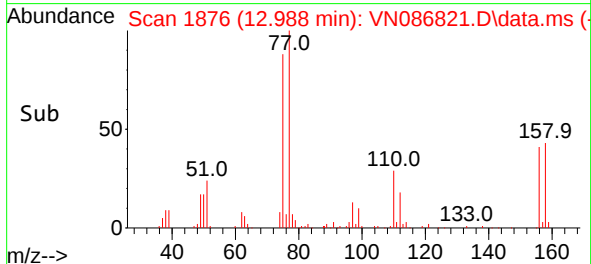
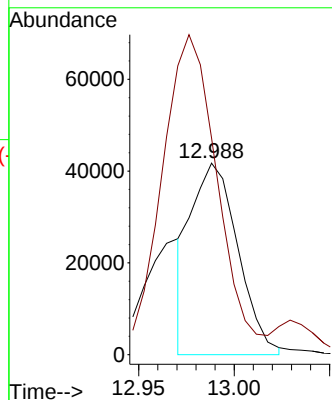
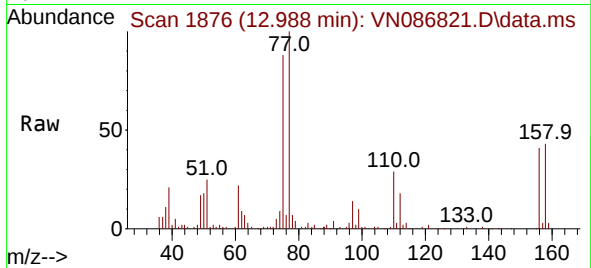
#72
1,2,3-Trichloropropane
Concen: 20.688 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion: 75 Resp: 71190
Ion Ratio Lower Upper
75 100
77 199.5 0.0 390.6

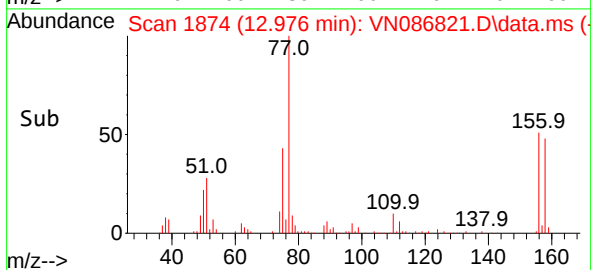
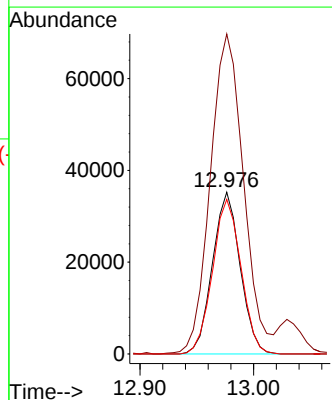
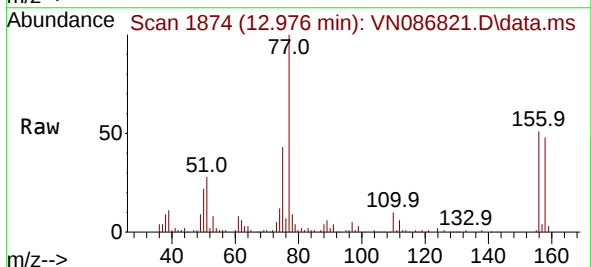
Manual Integrations
APPROVED

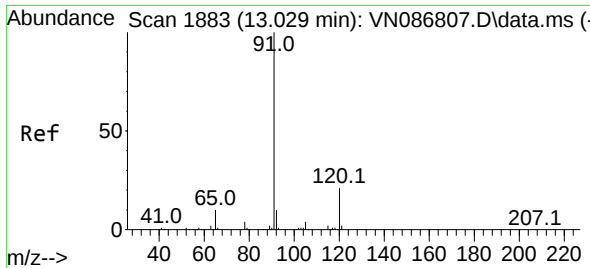
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#73
Bromobenzene
Concen: 19.489 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion:156 Resp: 59826
Ion Ratio Lower Upper
156 100
77 237.4 0.0 442.0
158 97.7 0.0 191.8





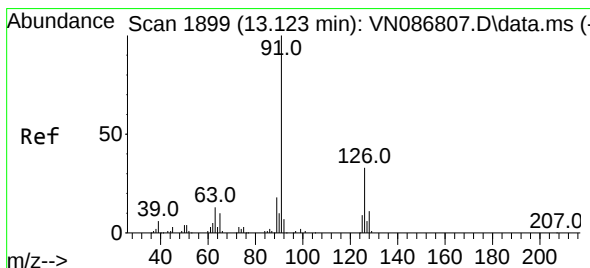
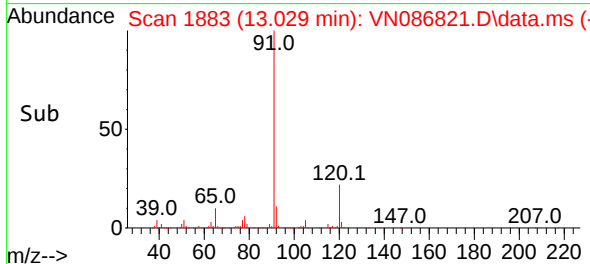
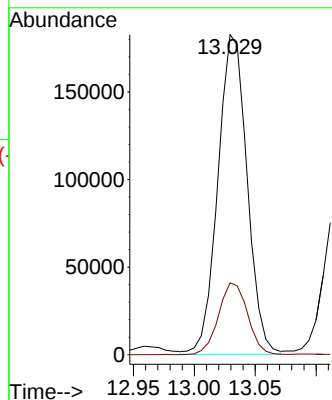
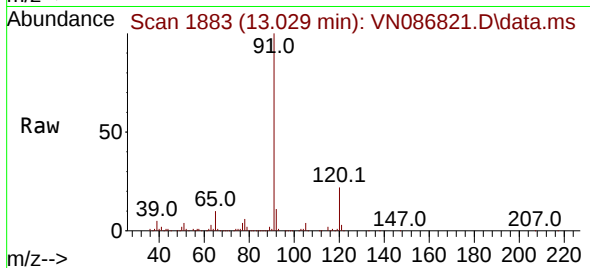
#74
n-propylbenzene
Concen: 20.819 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion: 91 Resp: 304564
Ion Ratio Lower Upper
91 100
120 22.4 0.0 45.6

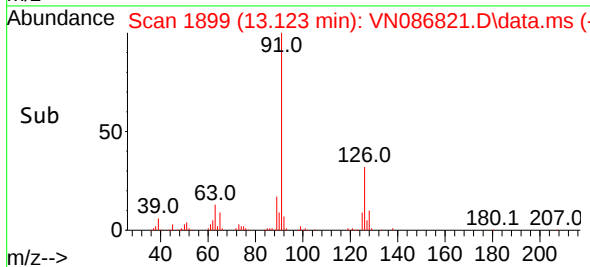
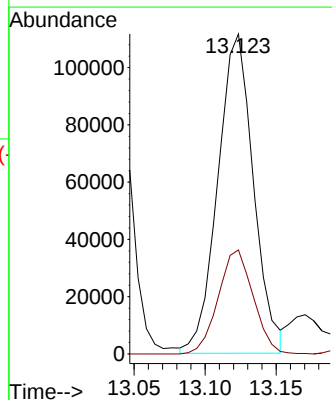
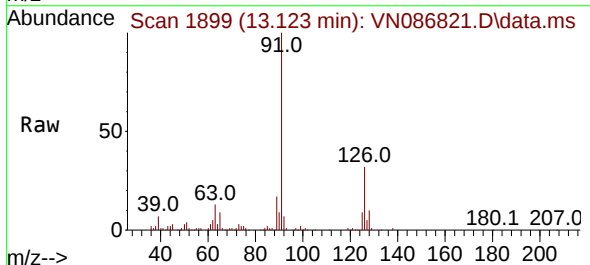
Manual Integrations
APPROVED

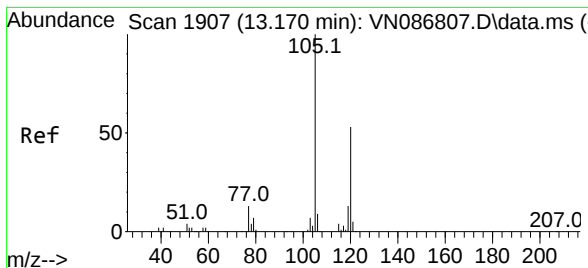
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#75
2-Chlorotoluene
Concen: 20.759 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

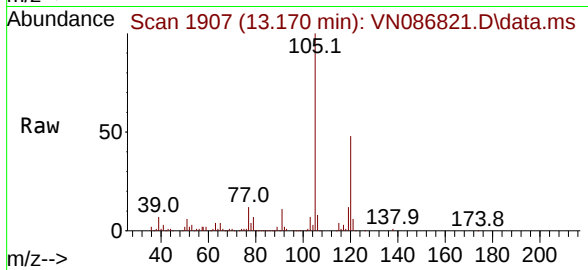
Tgt Ion: 91 Resp: 194919
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.4





#76
1,3,5-Trimethylbenzene
Concen: 20.516 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

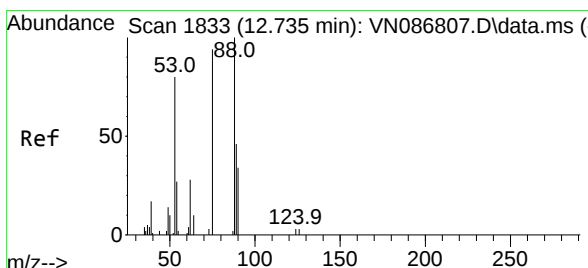
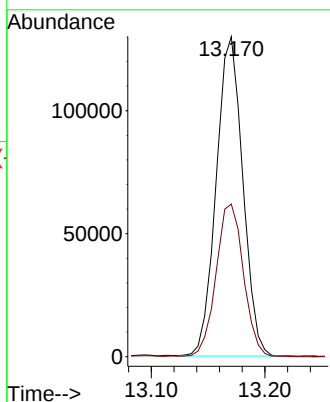
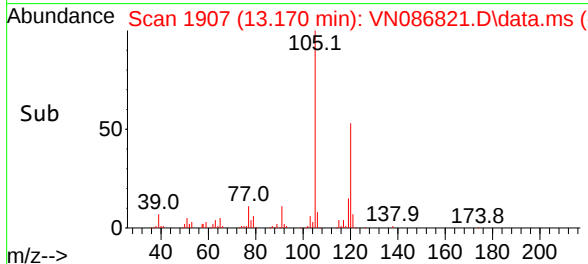
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



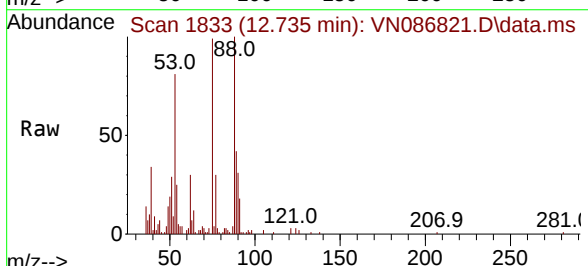
Tgt Ion:105 Resp: 210780
Ion Ratio Lower Upper
105 100
120 48.9 0.0 101.4

Manual Integrations
APPROVED

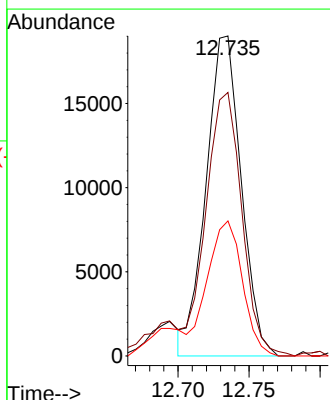
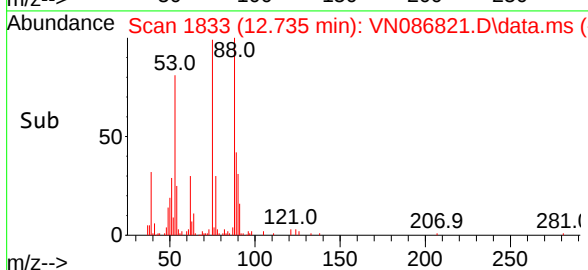
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

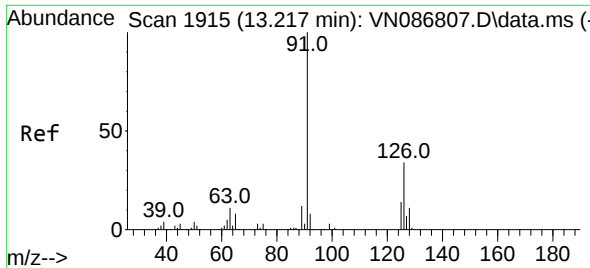


#77
t-1,4-Dichloro-2-butene
Concen: 23.271 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



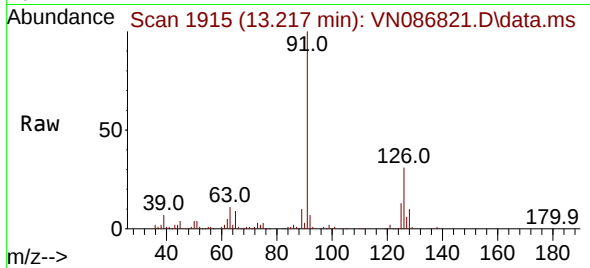
Tgt Ion: 75 Resp: 32773
Ion Ratio Lower Upper
75 100
53 81.0 43.0 128.8
89 42.2 25.4 76.2





#78
4-Chlorotoluene
Concen: 20.281 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

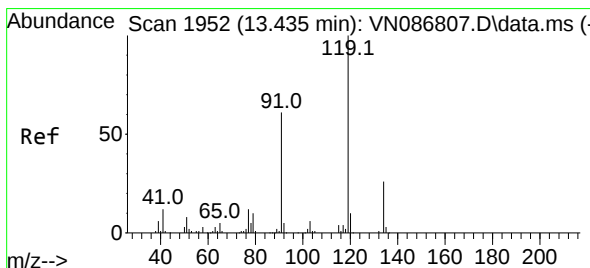
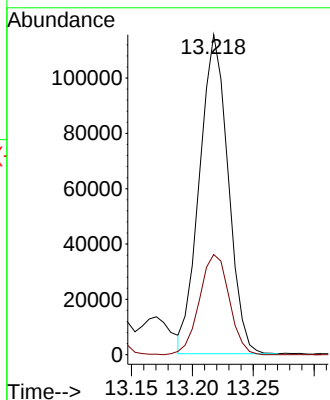
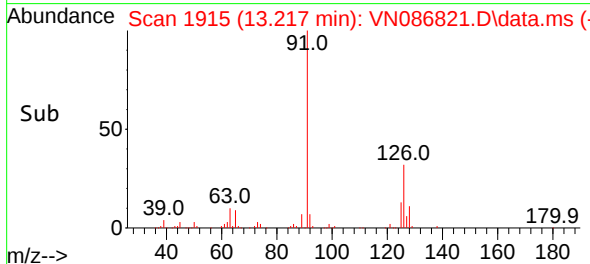
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



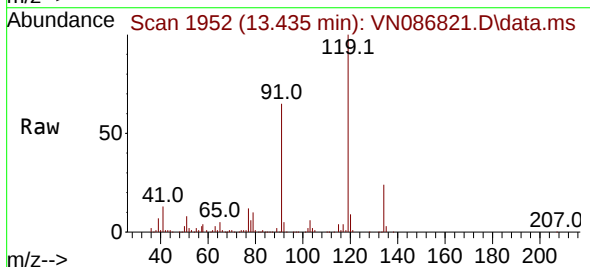
Tgt Ion: 91 Resp: 188630
Ion Ratio Lower Upper
91 100
126 32.6 0.0 66.6

Manual Integrations
APPROVED

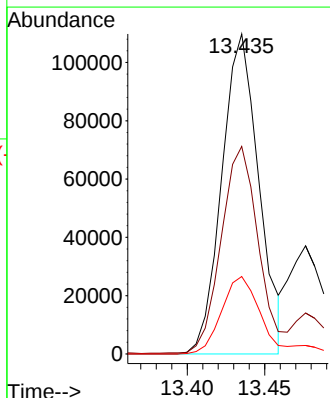
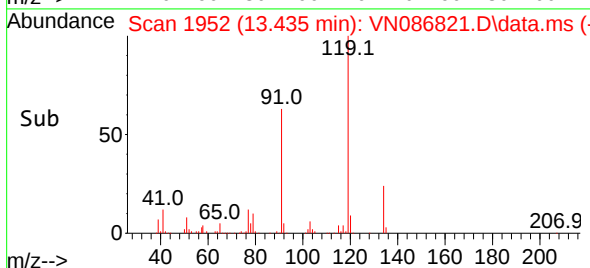
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

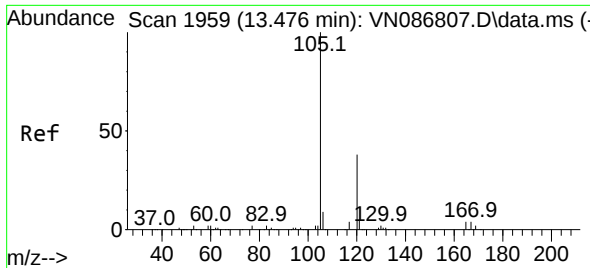


#79
tert-butylbenzene
Concen: 20.541 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



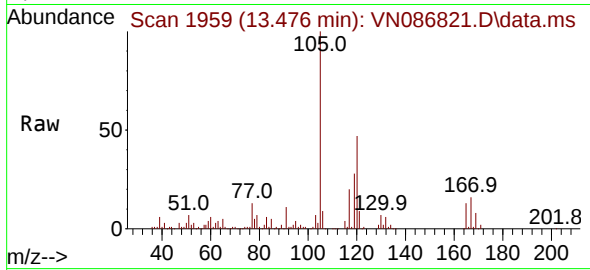
Tgt Ion:119 Resp: 182469
Ion Ratio Lower Upper
119 100
91 64.9 0.0 130.4
134 24.7 0.0 50.6





#80
1,2,4-Trimethylbenzene
Concen: 20.983 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

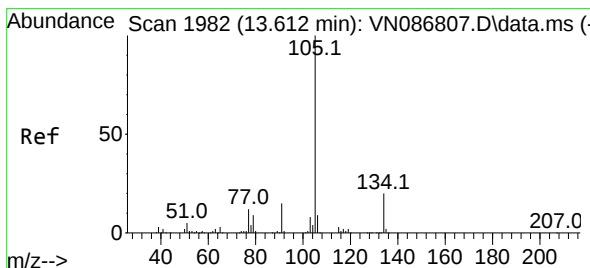
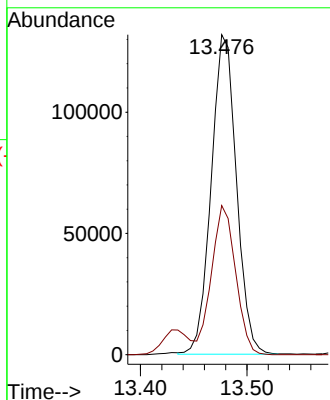
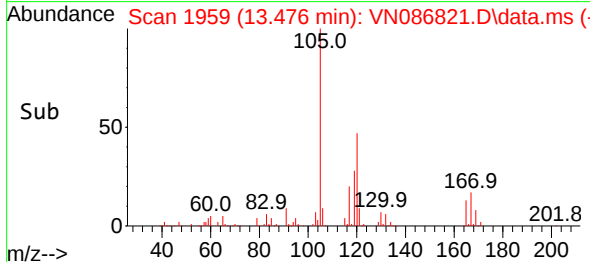
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



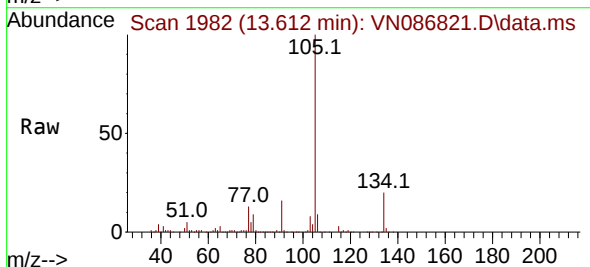
Tgt Ion:105 Resp: 216398
Ion Ratio Lower Upper
105 100
120 44.3 0.0 92.2

Manual Integrations
APPROVED

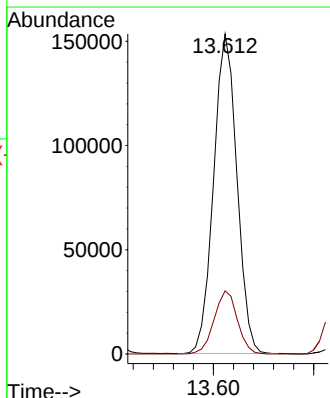
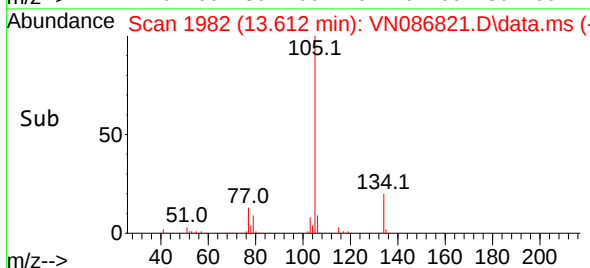
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

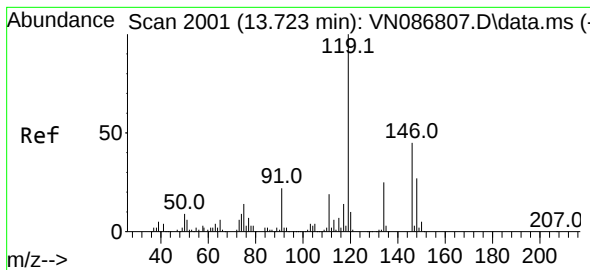


#81
sec-Butylbenzene
Concen: 20.397 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



Tgt Ion:105 Resp: 246845
Ion Ratio Lower Upper
105 100
134 19.6 0.0 40.0





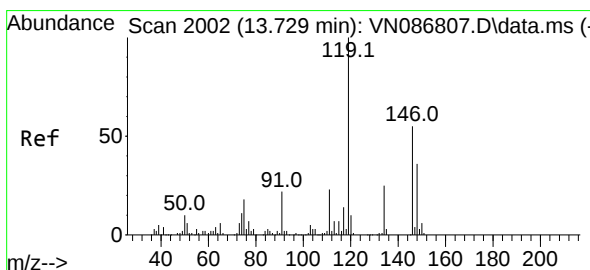
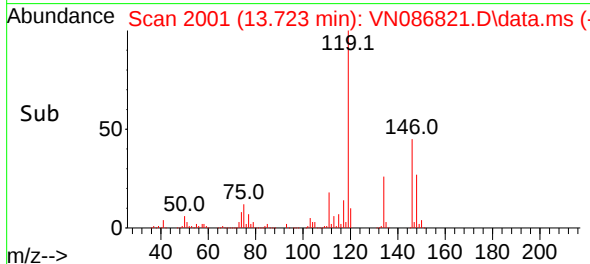
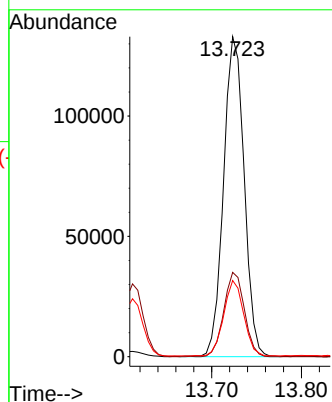
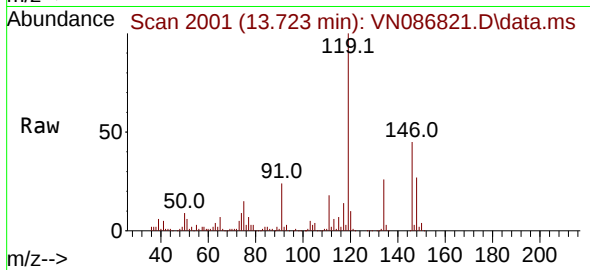
#82
p-Isopropyltoluene
Concen: 20.873 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion:119 Resp: 21210
Ion Ratio Lower Upper
119 100
134 26.2 0.0 51.8
91 22.7 0.0 45.2

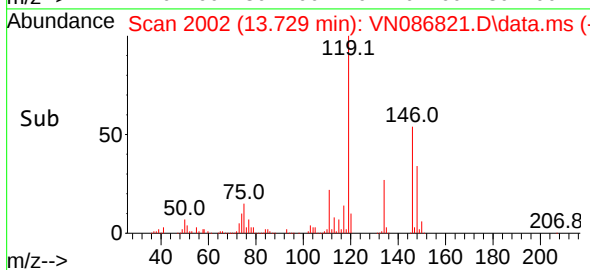
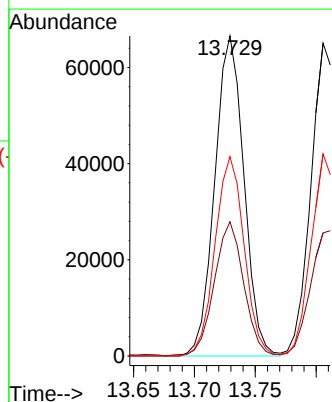
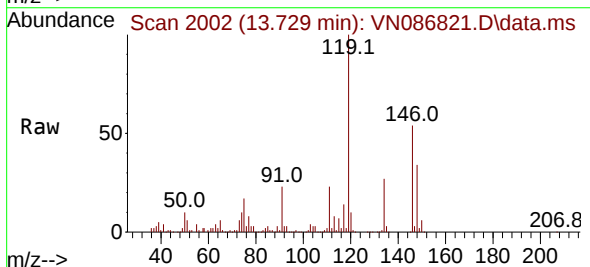
Manual Integrations
APPROVED

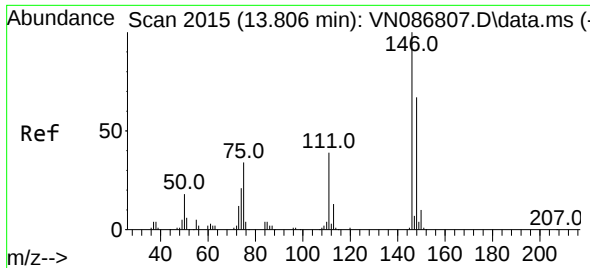
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#83
1,3-Dichlorobenzene
Concen: 19.689 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Tgt Ion:146 Resp: 110880
Ion Ratio Lower Upper
146 100
111 42.4 21.1 63.1
148 62.2 32.1 96.5





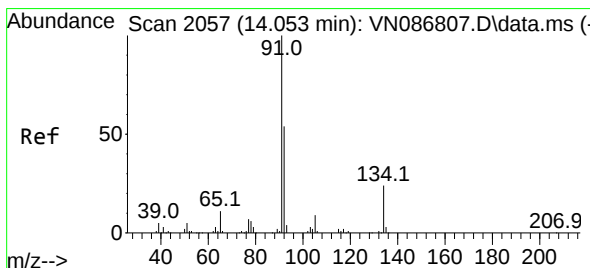
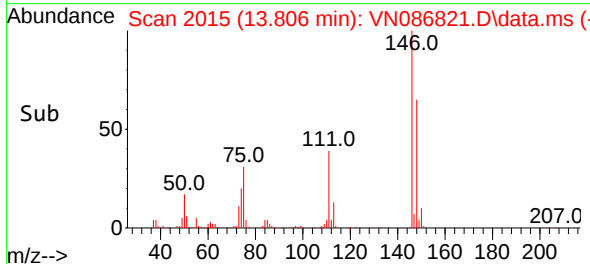
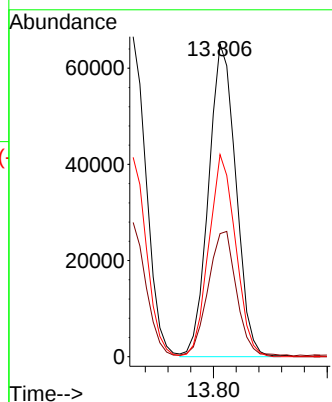
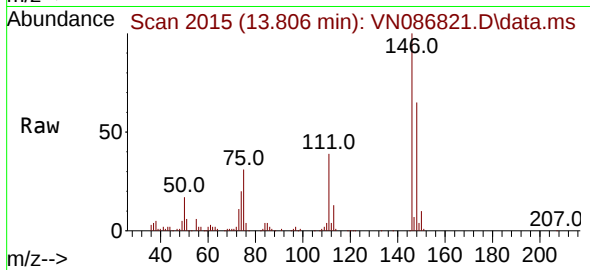
#84
1,4-Dichlorobenzene
Concen: 19.388 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD

Tgt Ion:146 Resp: 10865
Ion Ratio Lower Upper
146 100
111 40.9 19.8 59.4
148 63.5 31.9 95.5

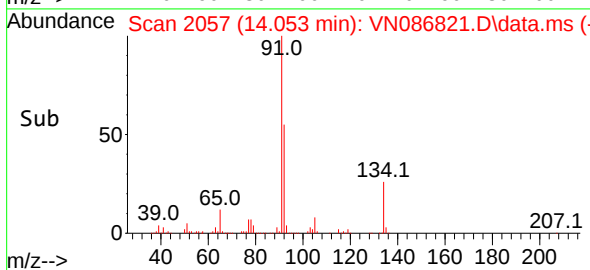
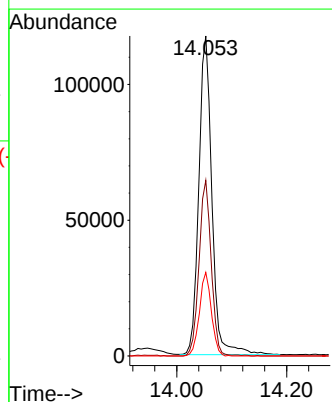
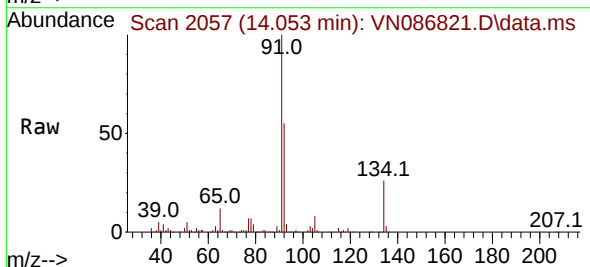
Manual Integrations
APPROVED

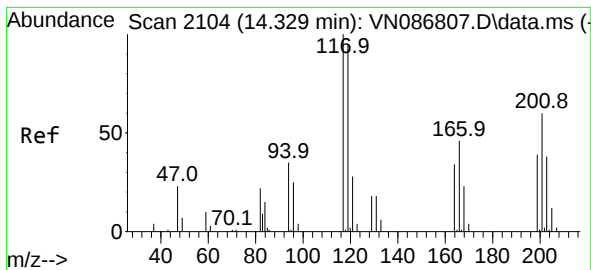
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#85
n-Butylbenzene
Concen: 22.920 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

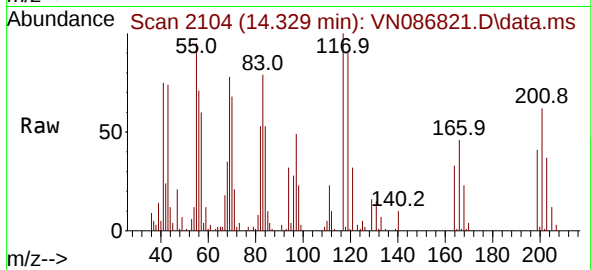
Tgt Ion: 91 Resp: 194982
Ion Ratio Lower Upper
91 100
92 50.9 0.0 107.6
134 23.8 0.0 50.0





#86
Hexachloroethane
Concen: 21.062 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

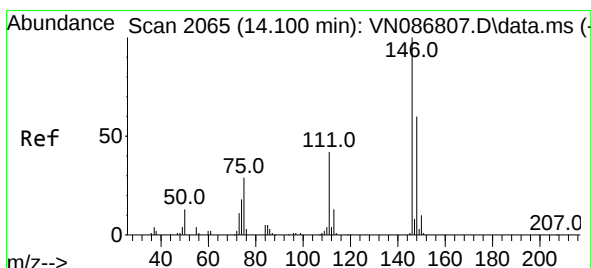
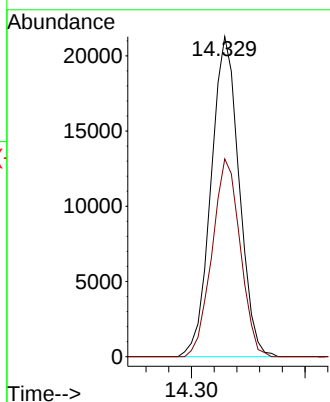
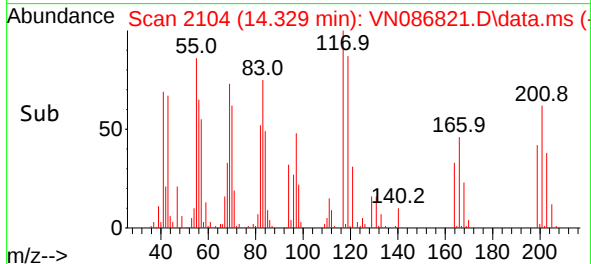
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



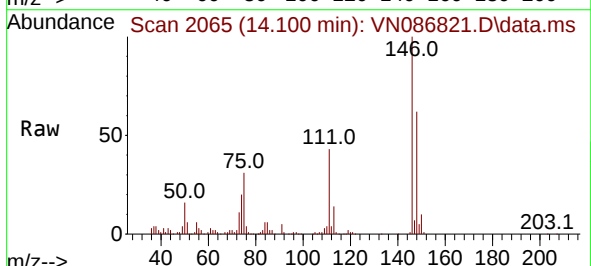
Tgt Ion:117 Resp: 36470
Ion Ratio Lower Upper
117 100
201 61.9 31.4 94.3

Manual Integrations
APPROVED

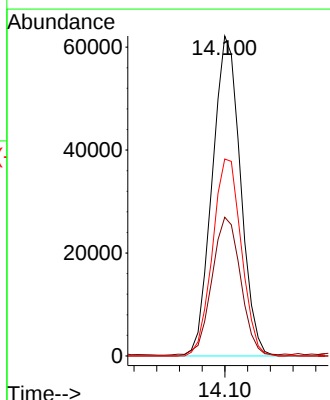
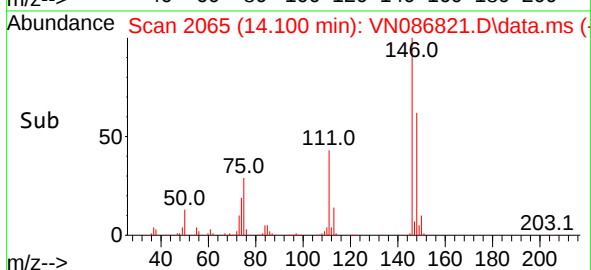
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

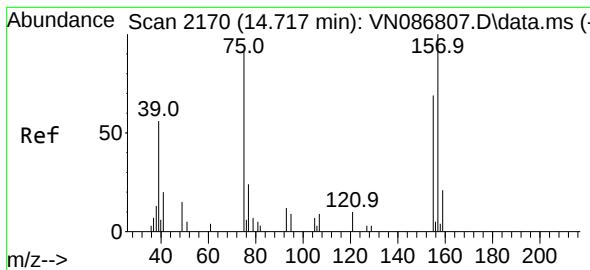


#87
1,2-Dichlorobenzene
Concen: 19.750 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49



Tgt Ion:146 Resp: 107291
Ion Ratio Lower Upper
146 100
111 43.0 21.6 64.8
148 62.7 31.6 94.7





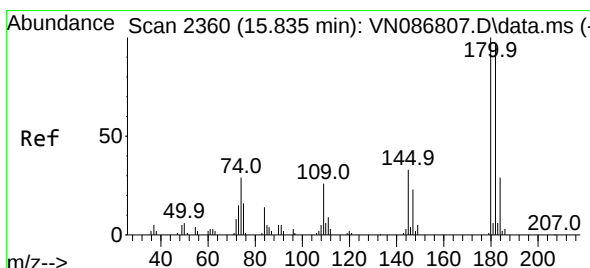
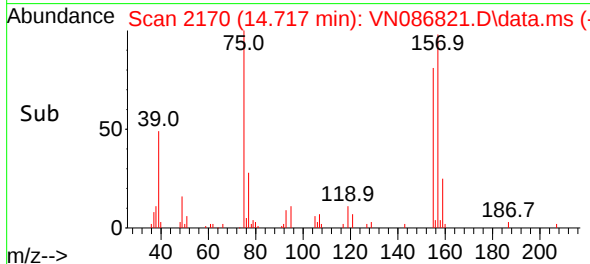
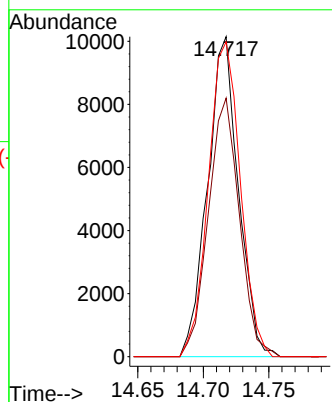
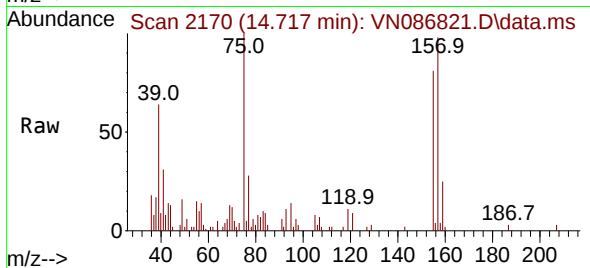
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 26.865 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MSD

Tgt Ion: 75 Resp: 1661
 Ion Ratio Lower Upper
 75 100
 155 81.4 62.9 94.3
 157 102.0 84.0 126.0

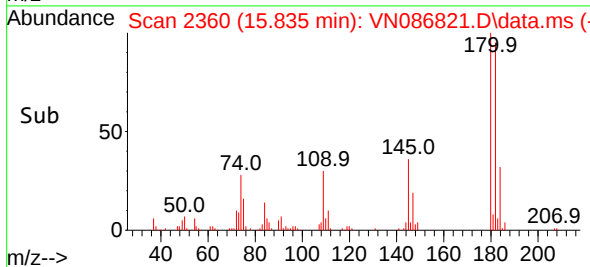
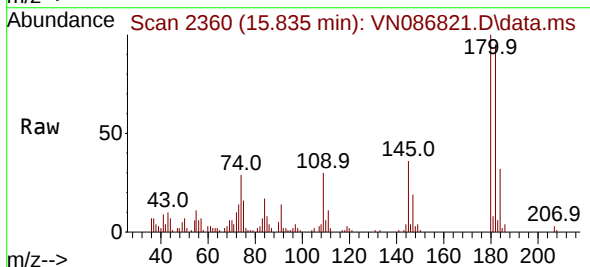
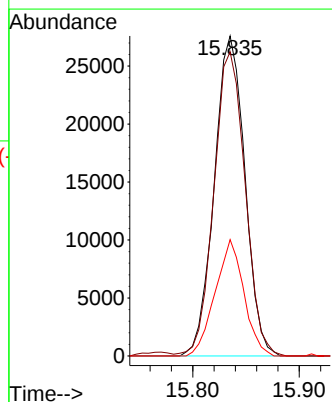
Manual Integrations
 APPROVED

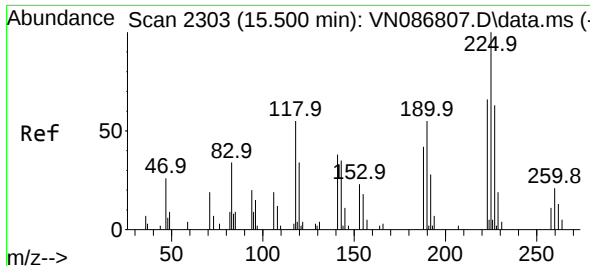
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#89
 1,2,4-Trichlorobenzene
 Concen: 24.230 ug/l
 RT: 15.835 min Scan# 2360
 Delta R.T. 0.000 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

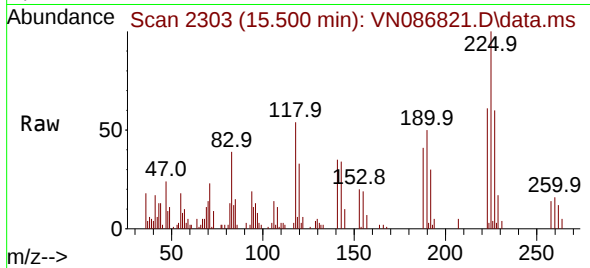
Tgt Ion:180 Resp: 55086
 Ion Ratio Lower Upper
 180 100
 182 96.8 78.2 117.2
 145 34.1 28.0 42.0





#90
Hexachlorobutadiene
Concen: 20.898 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

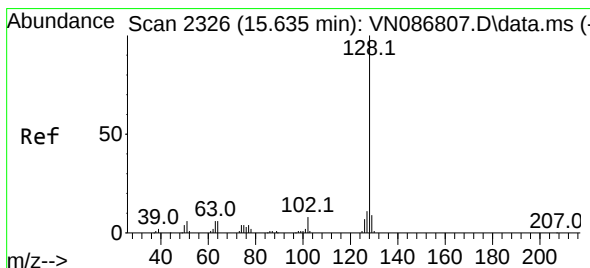
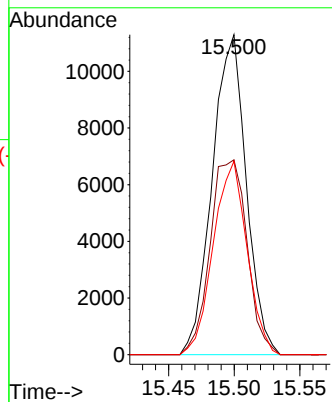
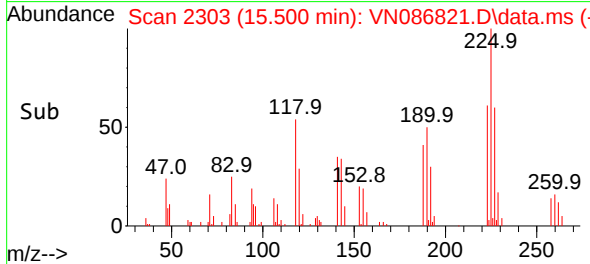
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001MSD



Tgt Ion:225 Resp: 2036
Ion Ratio Lower Upper
225 100
223 66.1 0.0 135.8
227 59.9 0.0 125.0

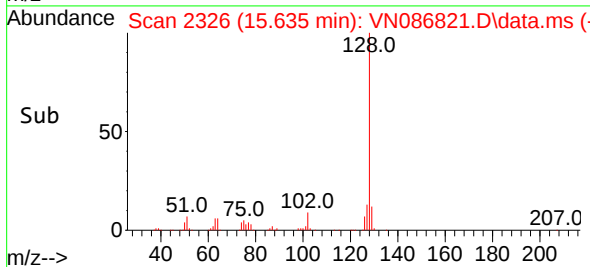
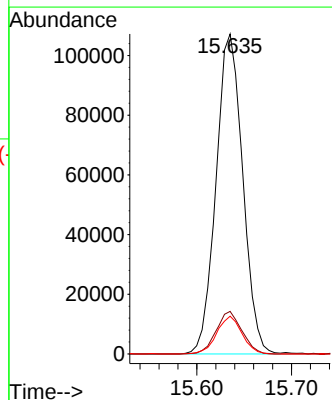
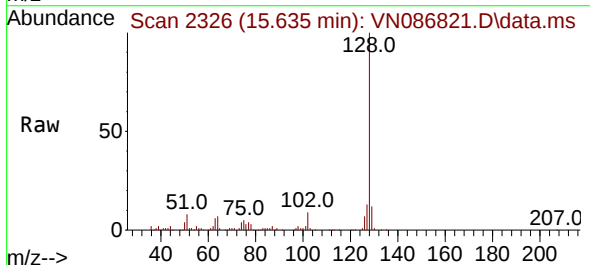
Manual Integrations
APPROVED

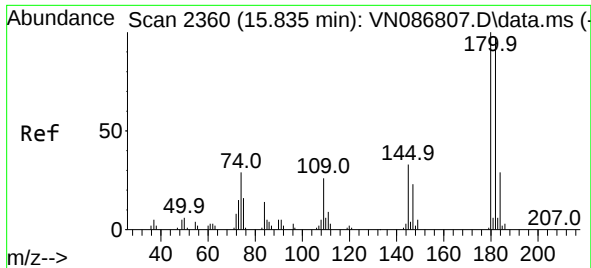
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#91
Naphthalene
Concen: 26.467 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086821.D
Acq: 29 May 2025 17:49

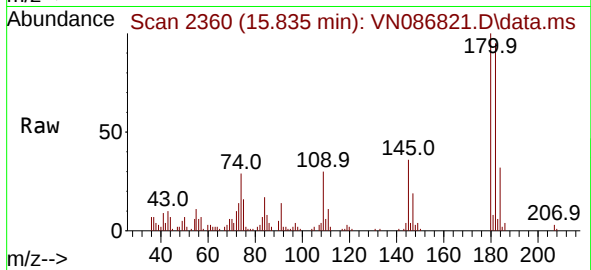
Tgt Ion:128 Resp: 209948
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.6
129 11.1 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 24.230 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN086821.D
 Acq: 29 May 2025 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MSD



Tgt Ion:180 Resp: 55080
 Ion Ratio Lower Upper
 180 100
 182 96.8 0.0 195.4
 145 34.1 0.0 70.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

