

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087925.D
 Acq On : 23 Sep 2025 09:54
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 01:53:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	223411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	427499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	406997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	215472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	79234	21.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.140%#		
35) Dibromofluoromethane	8.153	113	61116	19.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.380%#		
50) Toluene-d8	10.541	98	213554	19.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.120%#		
62) 4-Bromofluorobenzene	12.829	95	72525	18.589	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	36748	13.986	ug/l	92
3) Chloromethane	2.383	50	38532	14.014	ug/l	95
4) Vinyl Chloride	2.536	62	39078	13.741	ug/l	90
5) Bromomethane	2.971	94	26217	15.647	ug/l	87
6) Chloroethane	3.136	64	27272	14.589	ug/l	96
7) Trichlorofluoromethane	3.506	101	66532	14.362	ug/l	98
8) Diethyl Ether	3.965	74	24484	13.855	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	36085	14.310	ug/l	97
10) Methyl Iodide	4.583	142	26697	12.754	ug/l	92
11) Tert butyl alcohol	5.524	59	37035	68.388	ug/l	95
12) 1,1-Dichloroethene	4.342	96	38797	15.556	ug/l	98
13) Acrolein	4.171	56	52439	75.467	ug/l	97
14) Allyl chloride	5.018	41	56862	14.170	ug/l	96
15) Acrylonitrile	5.712	53	130255	76.734	ug/l	98
16) Acetone	4.424	43	130620	77.153	ug/l	100
17) Carbon Disulfide	4.706	76	113411	14.728	ug/l	98
18) Methyl Acetate	5.012	43	54803	13.686	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	135916	14.771	ug/l	98
20) Methylene Chloride	5.259	84	49361	13.707	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	44207	14.198	ug/l #	82
22) Diisopropyl ether	6.659	45	135930	15.305	ug/l	97
23) Vinyl Acetate	6.589	43	570640m	72.379	ug/l	
24) 1,1-Dichloroethane	6.553	63	82445	15.057	ug/l	98
25) 2-Butanone	7.471	43	187693	78.128	ug/l	99
26) 2,2-Dichloropropane	7.465	77	70927	15.007	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52072	14.857	ug/l	98
28) Bromochloromethane	7.794	49	50037	17.955	ug/l	99
29) Tetrahydrofuran	7.830	42	108048	71.289	ug/l	97
30) Chloroform	7.947	83	89662	14.835	ug/l	93
31) Cyclohexane	8.235	56	64000	15.180	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	75190	14.953	ug/l	95
36) 1,1-Dichloropropene	8.347	75	53901	14.085	ug/l	96
37) Ethyl Acetate	7.547	43	72884	14.927	ug/l	98
38) Carbon Tetrachloride	8.341	117	63100	14.126	ug/l	96
39) Methylcyclohexane	9.582	83	56102	13.331	ug/l	94
40) Benzene	8.588	78	182196	14.431	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	34456	13.360	ug/l	92
42) 1,2-Dichloroethane	8.653	62	71851	15.042	ug/l	100
43) Isopropyl Acetate	8.671	43	108696	14.067	ug/l	98
44) Trichloroethene	9.335	130	43238	14.327	ug/l	95
45) 1,2-Dichloropropane	9.600	63	47138	15.100	ug/l	93
46) Dibromomethane	9.688	93	36643	14.456	ug/l	95
47) Bromodichloromethane	9.871	83	71013	14.585	ug/l	90
48) Methyl methacrylate	9.665	41	49474	14.181	ug/l	98
49) 1,4-Dioxane	9.688	88	14310	263.912	ug/l #	75
51) 4-Methyl-2-Pentanone	10.424	43	354320	74.808	ug/l	99
52) Toluene	10.606	92	115599	15.319	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	70766	14.580	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	73698	14.417	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	46977	14.681	ug/l	98
56) Ethyl methacrylate	10.853	69	58757	13.642	ug/l	96
57) 1,3-Dichloropropane	11.141	76	77182	14.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	279997	141.510	ug/l	99
59) 2-Hexanone	11.176	43	220851	74.269	ug/l	98
60) Dibromochloromethane	11.335	129	54275	14.518	ug/l	98
61) 1,2-Dibromoethane	11.447	107	48169	14.036	ug/l	99
64) Tetrachloroethene	11.082	164	35820	13.845	ug/l	96
65) Chlorobenzene	11.871	112	129303	14.510	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	45283	13.980	ug/l	95
67) Ethyl Benzene	11.941	91	206323	14.317	ug/l	94
68) m/p-Xylenes	12.047	106	160320	29.081	ug/l	100
69) o-Xylene	12.376	106	73156	14.272	ug/l	98
70) Styrene	12.394	104	129670	14.884	ug/l	98
71) Bromoform	12.559	173	36434	14.445	ug/l #	97
73) Isopropylbenzene	12.670	105	187017	14.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.912	83	71434	14.270	ug/l	100
76) 1,2,3-Trichloropropane	12.976	75	73502m	12.356	ug/l	
77) Bromobenzene	12.959	156	51627	14.533	ug/l	89
78) n-propylbenzene	13.012	91	236370	14.327	ug/l	100
79) 2-Chlorotoluene	13.106	91	143982	13.831	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	164739	14.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	20782	13.587	ug/l	98
82) 4-Chlorotoluene	13.200	91	156430	15.272	ug/l	100
83) tert-Butylbenzene	13.417	119	138876	14.316	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	171915	14.959	ug/l	100
85) sec-Butylbenzene	13.594	105	199683	14.388	ug/l	99
86) p-Isopropyltoluene	13.706	119	167240	14.126	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	101180	14.581	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	106535	14.056	ug/l	98
89) n-Butylbenzene	14.035	91	153828	13.529	ug/l	99
90) Hexachloroethane	14.306	117	35924	13.511	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	95556	14.043	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	15314	13.728	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	55204	13.702	ug/l	93
94) Hexachlorobutadiene	15.470	225	21915	14.119	ug/l	98
95) Naphthalene	15.611	128	166402	13.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	53756	14.028	ug/l	99

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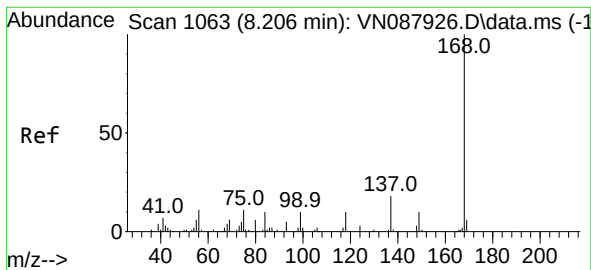
Manual Integrations
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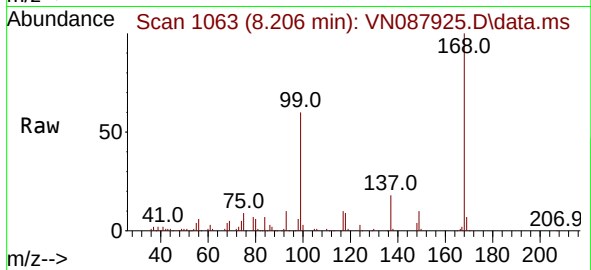
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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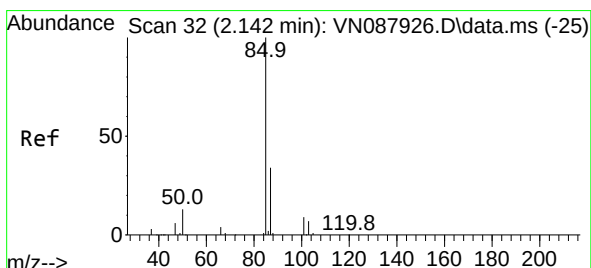
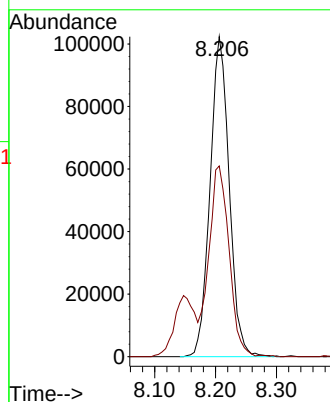
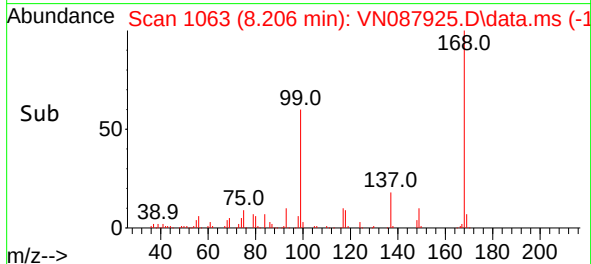
Instrument :
MSVOA_N
ClientSampleId :
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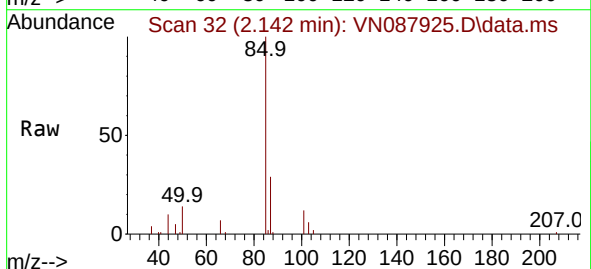
Tgt Ion:168 Resp: 22341
Ion Ratio Lower Upper
168 100
99 59.6 52.2 78.2

Manual Integrations
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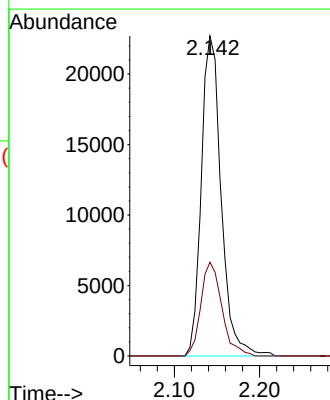
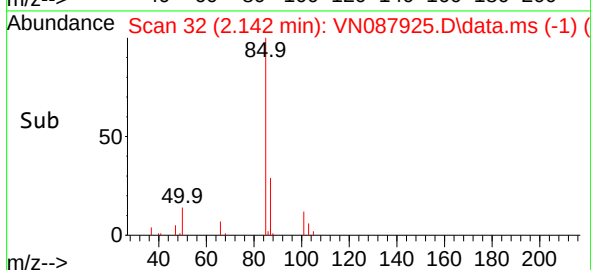
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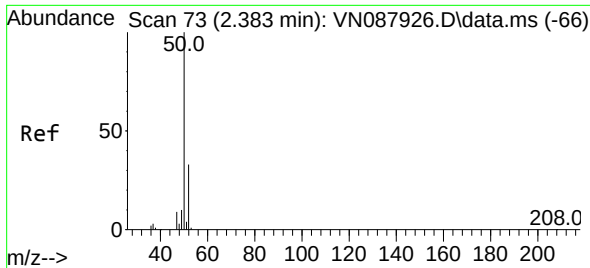


#2
Dichlorodifluoromethane
Concen: 13.986 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



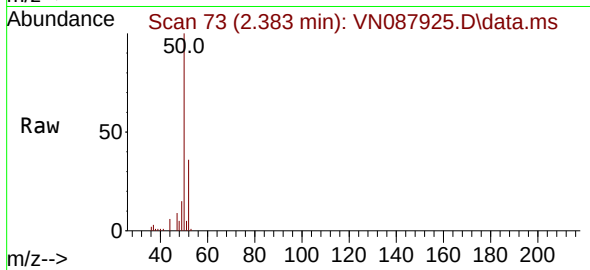
Tgt Ion: 85 Resp: 36748
Ion Ratio Lower Upper
85 100
87 29.3 16.9 50.6





#3
Chloromethane
Concen: 14.014 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

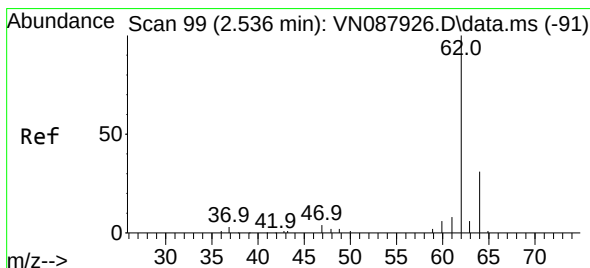
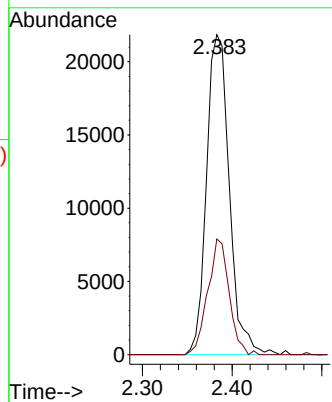
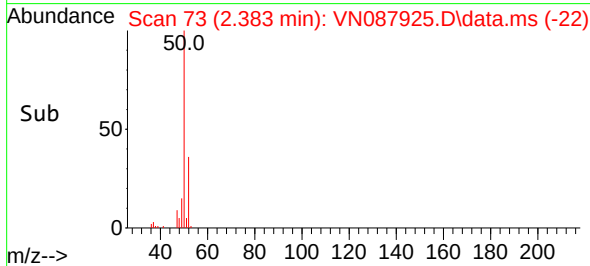
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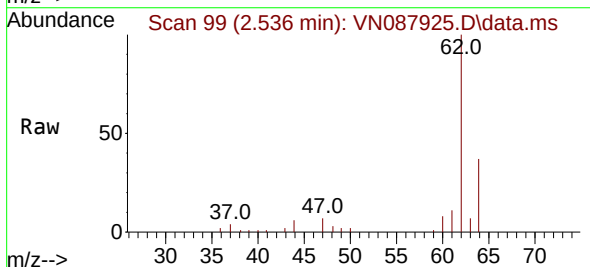
Tgt Ion: 50 Resp: 3853
Ion Ratio Lower Upper
50 100
52 36.2 26.6 40.0

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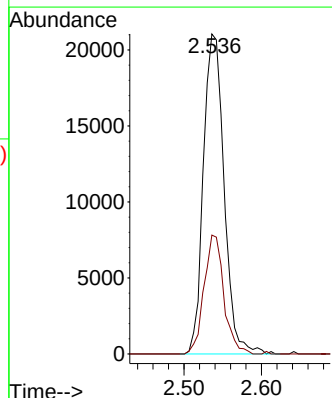
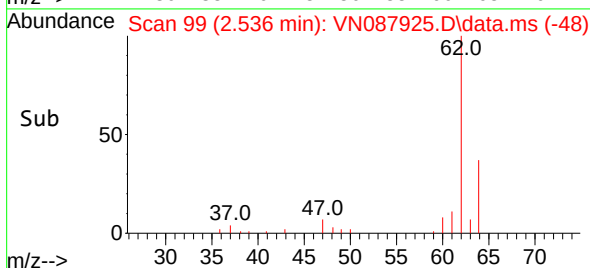
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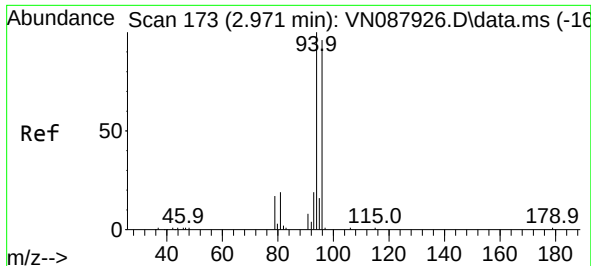


#4
Vinyl Chloride
Concen: 13.741 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN087925.D
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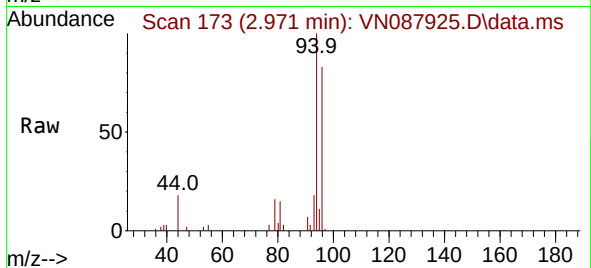
Tgt Ion: 62 Resp: 39078
Ion Ratio Lower Upper
62 100
64 37.2 25.2 37.8





#5
Bromomethane
Concen: 15.647 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

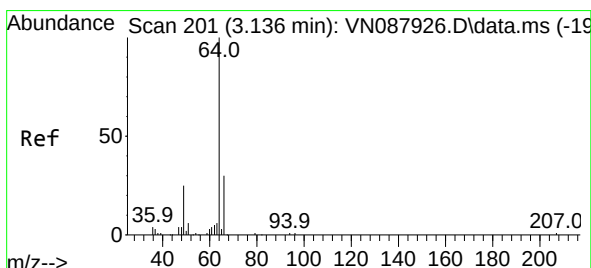
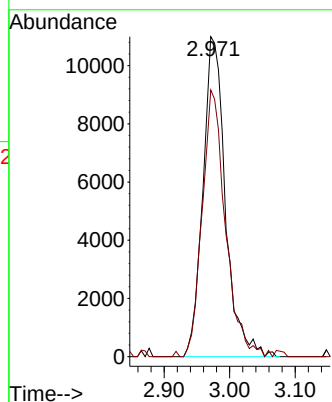
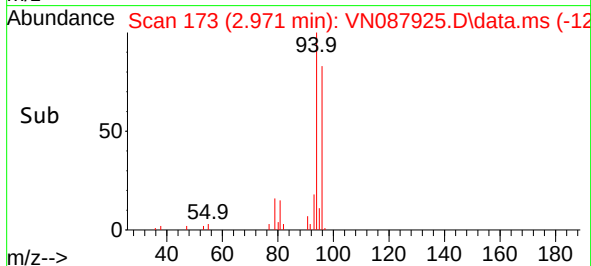
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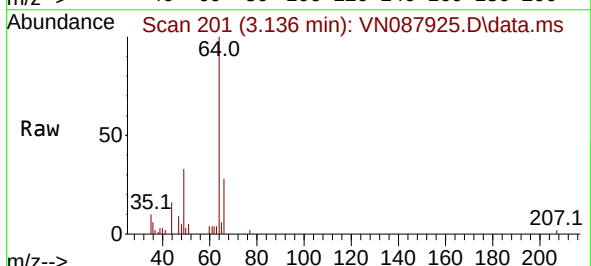
Tgt Ion: 94 Resp: 2621
Ion Ratio Lower Upper
94 100
96 83.3 76.8 115.2

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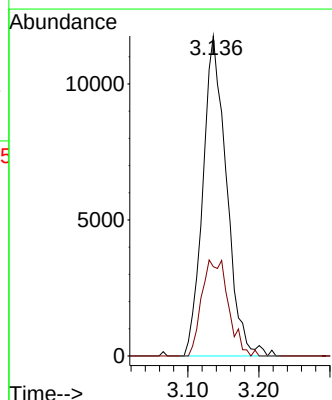
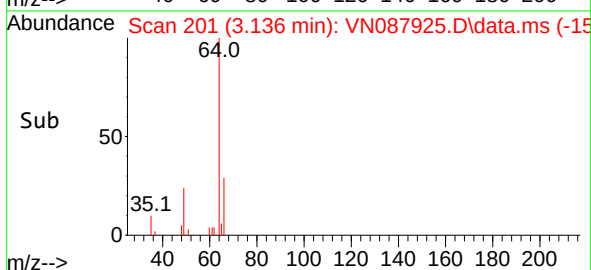
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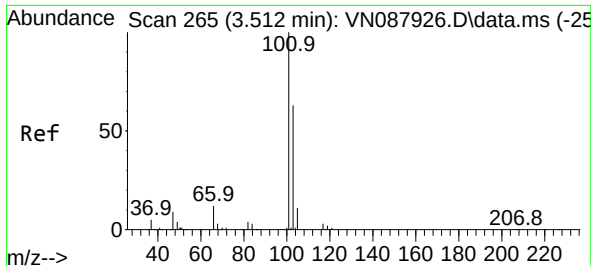


#6
Chloroethane
Concen: 14.589 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN087925.D
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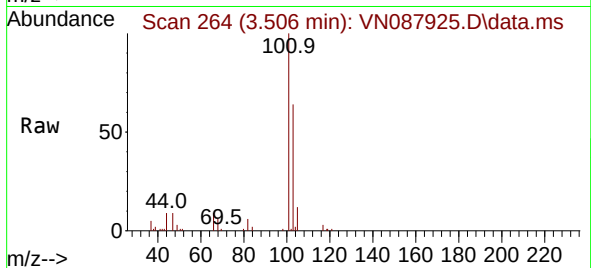
Tgt Ion: 64 Resp: 27272
Ion Ratio Lower Upper
64 100
66 27.9 23.8 35.8





#7
 Trichlorofluoromethane
 Concen: 14.362 ug/l
 RT: 3.506 min Scan# 265
 Delta R.T. -0.006 min
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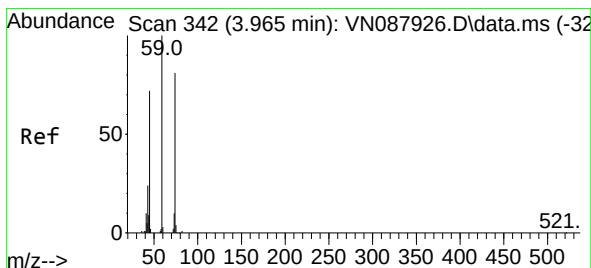
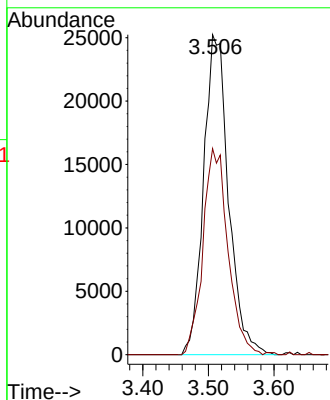
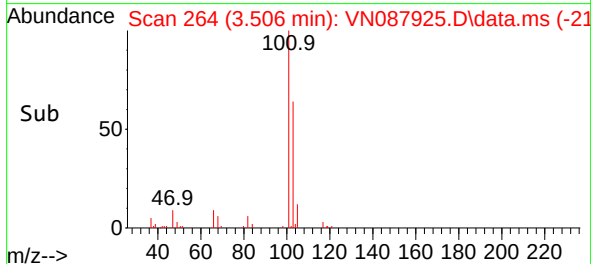
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Tgt Ion:101 Resp: 66532
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.2 75.4

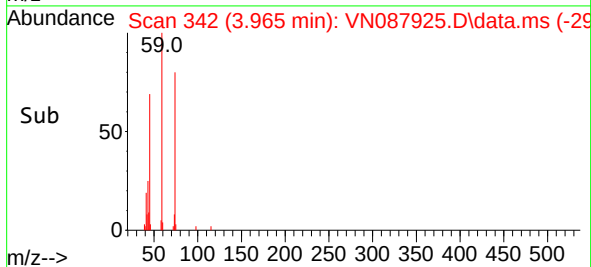
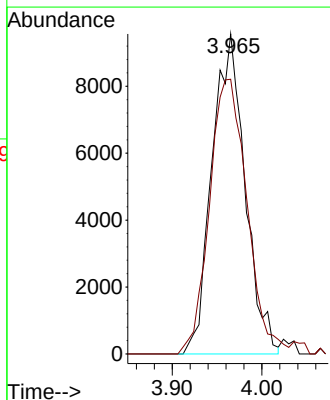
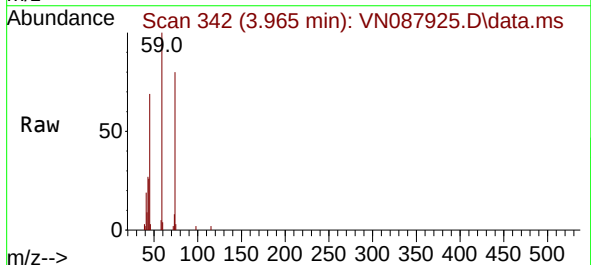
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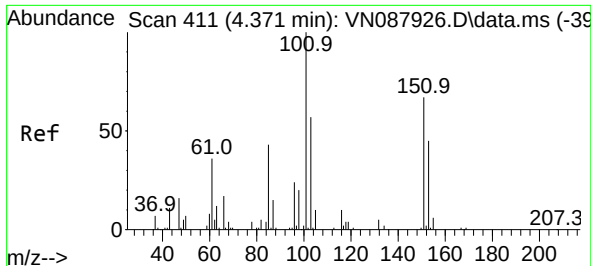
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#8
 Diethyl Ether
 Concen: 13.855 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 24484
 Ion Ratio Lower Upper
 74 100
 45 97.1 45.4 136.1





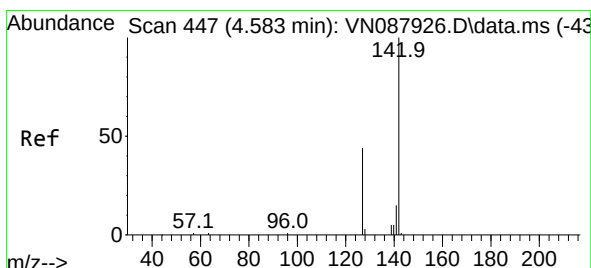
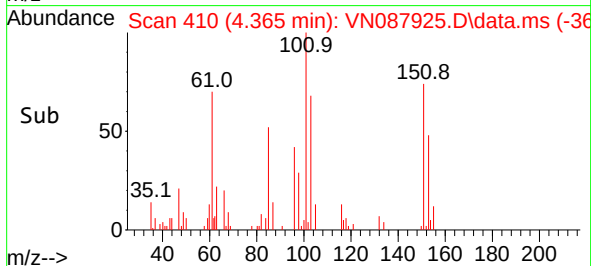
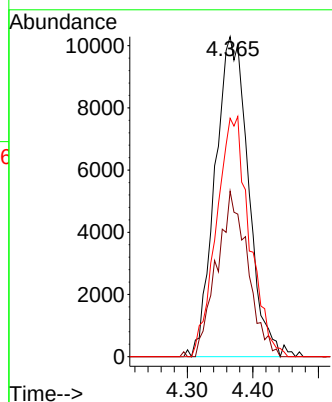
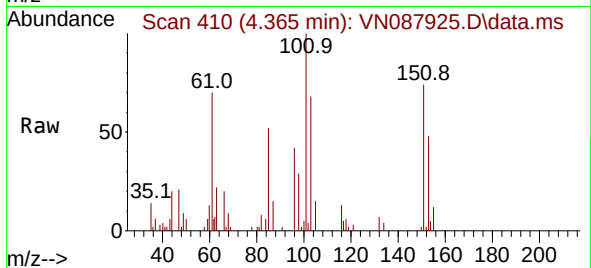
#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.310 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087925.D
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Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:101 Resp: 3608
Ion Ratio Lower Upper
101 100
85 48.4 36.5 54.7
151 75.2 58.6 87.8

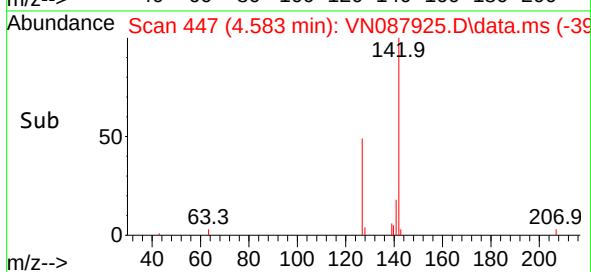
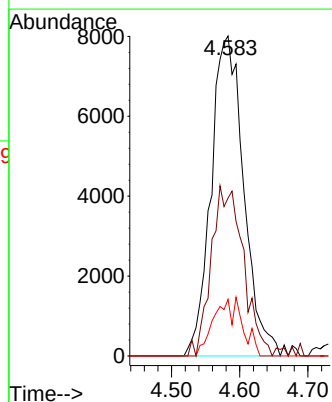
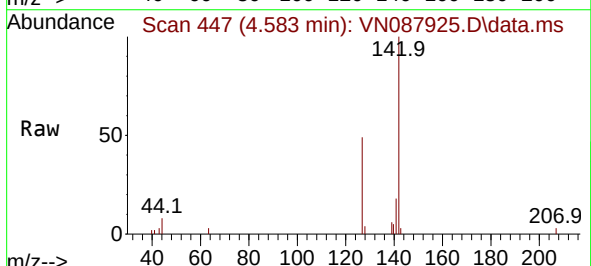
Manual Integrations
APPROVED

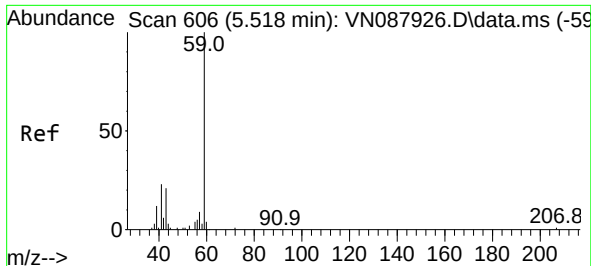
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#10
Methyl Iodide
Concen: 12.754 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

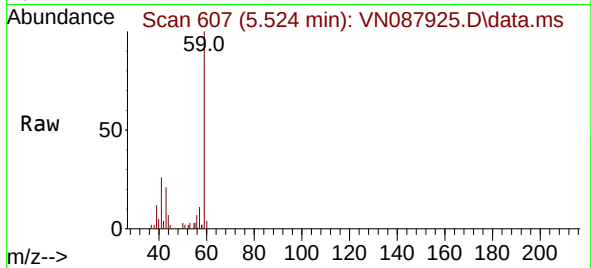
Tgt Ion:142 Resp: 26697
Ion Ratio Lower Upper
142 100
127 49.4 35.3 52.9
141 17.7 11.8 17.8





#11
Tert butyl alcohol
Concen: 68.388 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

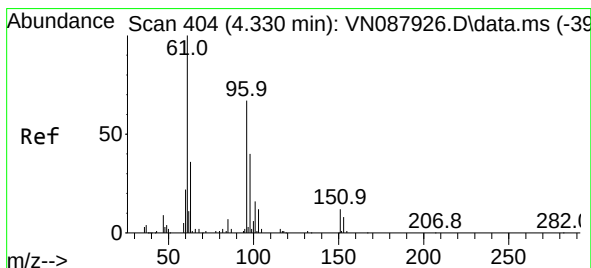
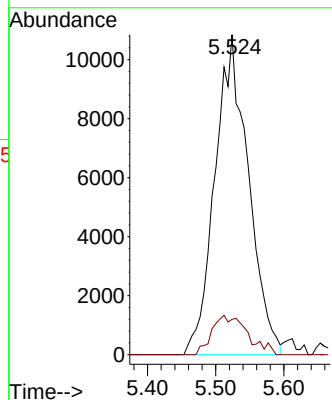
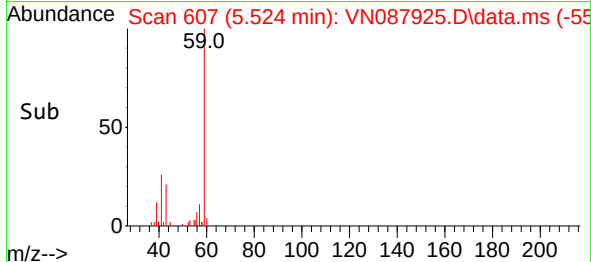
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



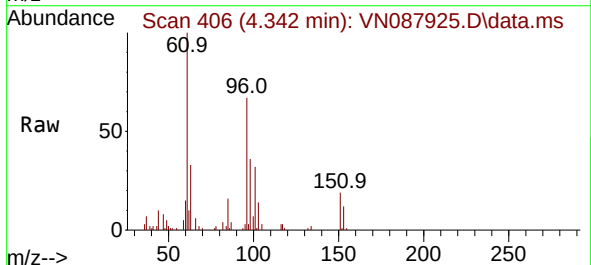
Tgt Ion: 59 Resp: 3703
Ion Ratio Lower Upper
59 100
57 13.1 8.8 13.2

Manual Integrations
APPROVED

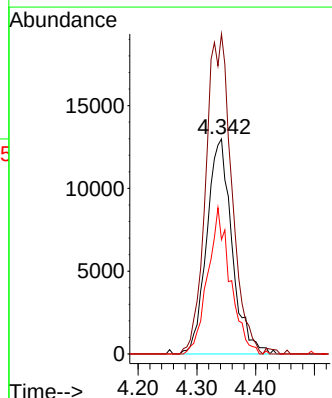
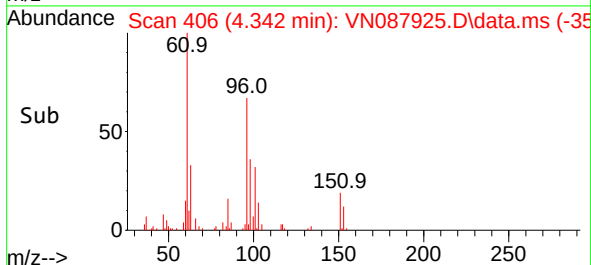
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

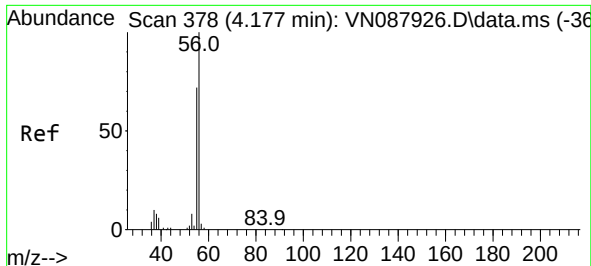


#12
1,1-Dichloroethene
Concen: 15.556 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion: 96 Resp: 38797
Ion Ratio Lower Upper
96 100
61 148.8 119.2 178.8
98 53.1 47.5 71.3





#13

Acrolein

Concen: 75.467 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 52439

Ion Ratio Lower Upper

56 100

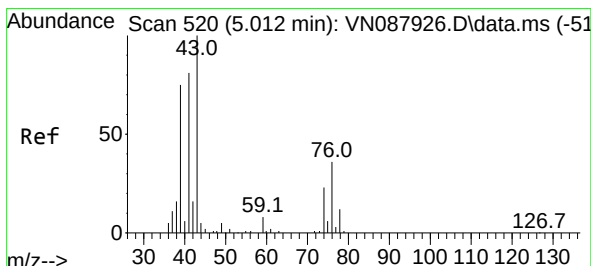
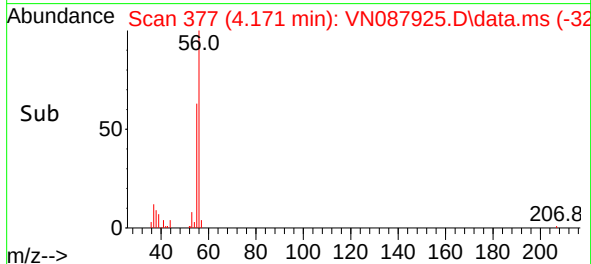
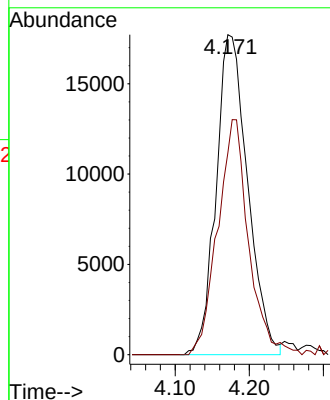
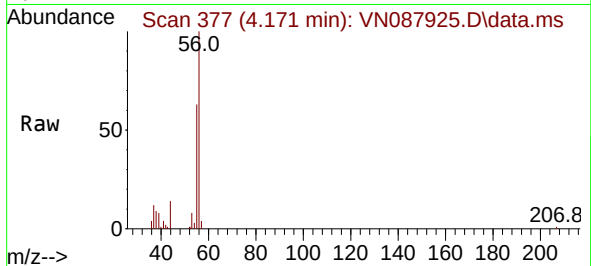
55 71.8 59.3 88.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#14

Allyl chloride

Concen: 14.170 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

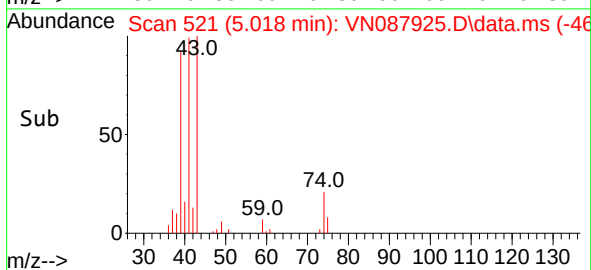
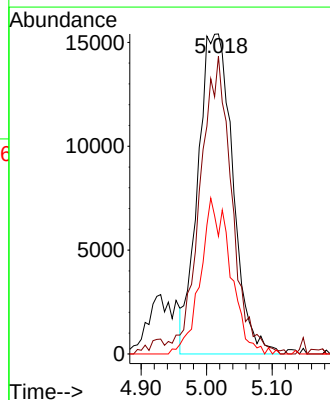
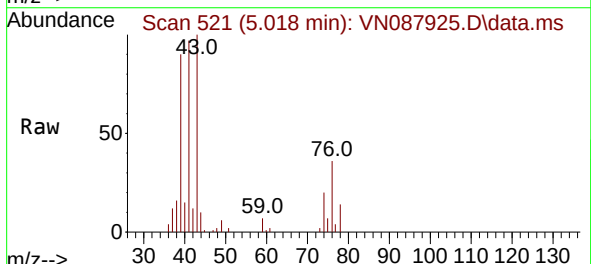
Tgt Ion: 41 Resp: 56862

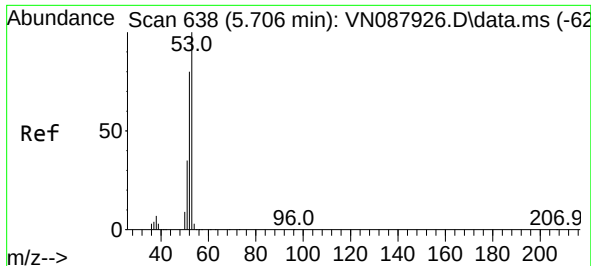
Ion Ratio Lower Upper

41 100

39 84.1 63.8 95.8

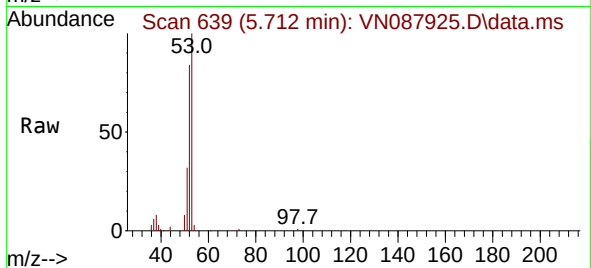
76 41.8 33.0 49.6





#15
Acrylonitrile
Concen: 76.734 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

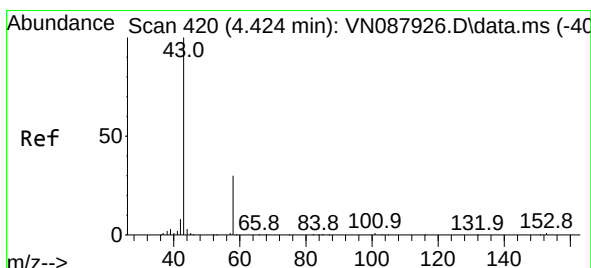
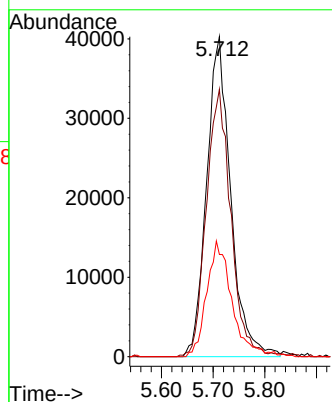
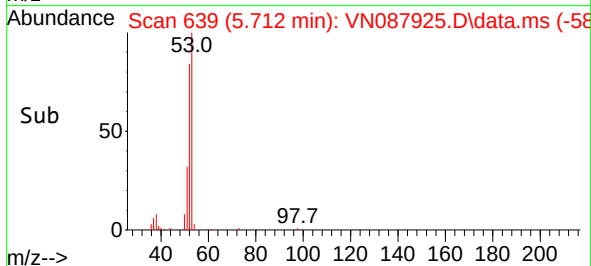
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 13025
Ion Ratio Lower Upper
53 100
52 84.6 66.6 99.8
51 37.9 29.0 43.4

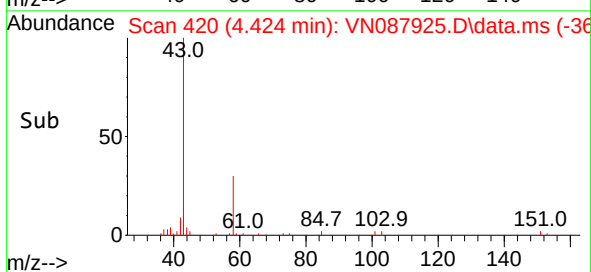
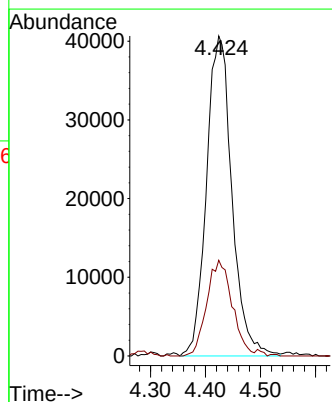
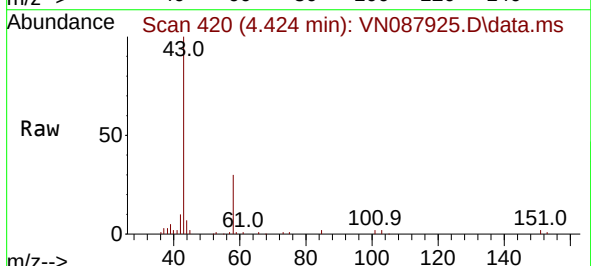
Manual Integrations
APPROVED

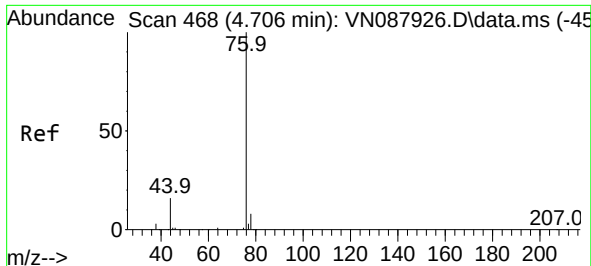
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#16
Acetone
Concen: 77.153 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

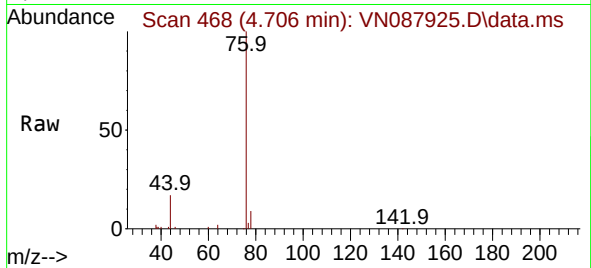
Tgt Ion: 43 Resp: 130620
Ion Ratio Lower Upper
43 100
58 29.9 24.1 36.1





#17
Carbon Disulfide
Concen: 14.728 ug/l
RT: 4.706 min Scan# 40
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

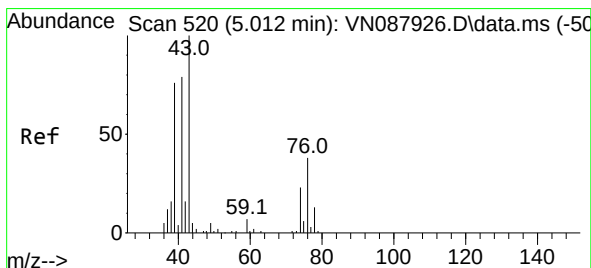
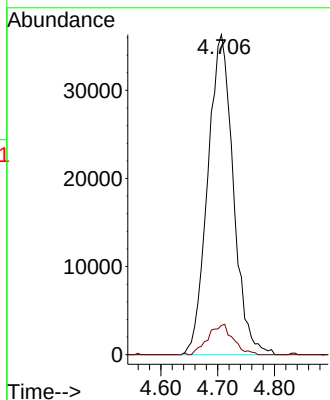
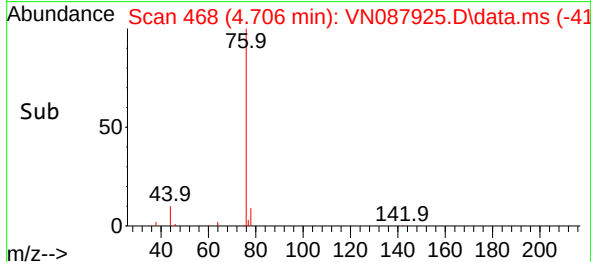
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 76 Resp: 11341
Ion Ratio Lower Upper
76 100
78 9.2 6.7 10.1

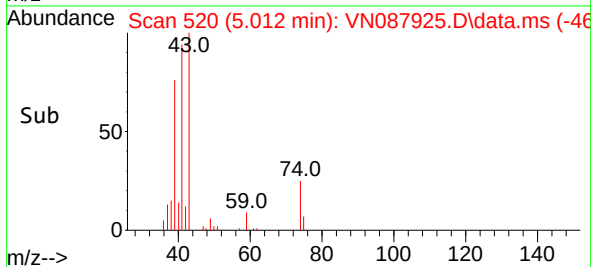
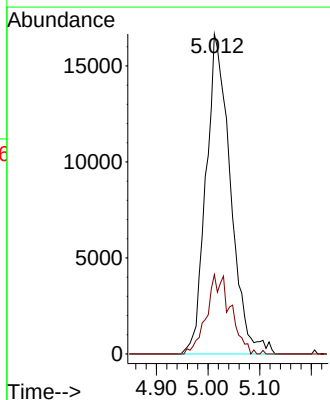
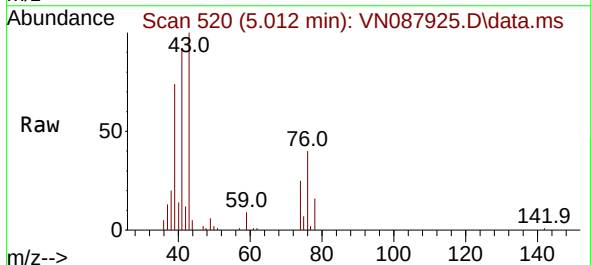
Manual Integrations
APPROVED

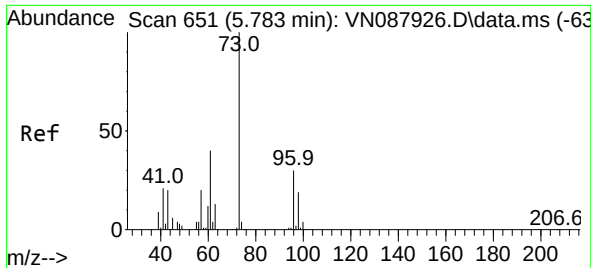
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#18
Methyl Acetate
Concen: 13.686 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

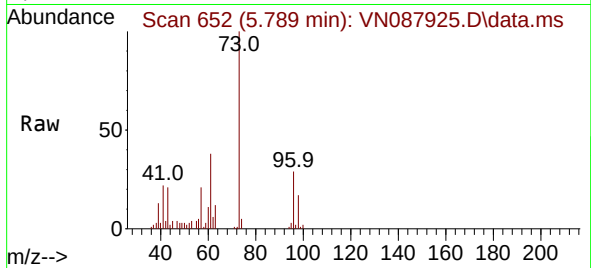
Tgt Ion: 43 Resp: 54803
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5





#19
Methyl tert-butyl Ether
Concen: 14.771 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

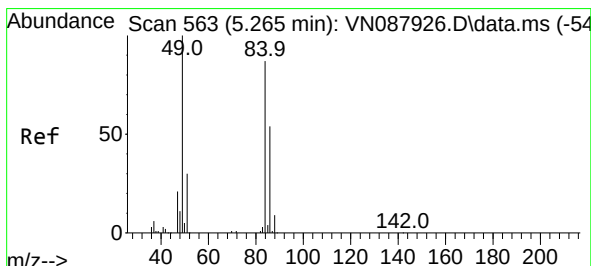
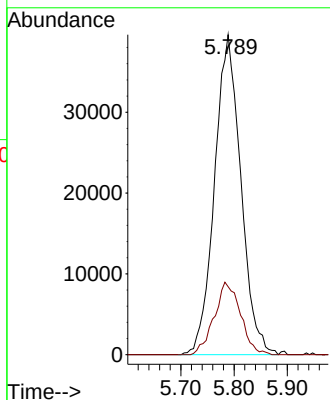
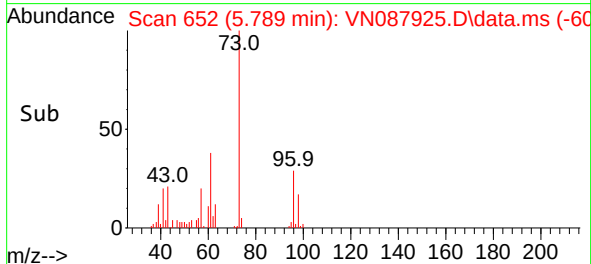
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC020



Tgt Ion: 73 Resp: 135910
Ion Ratio Lower Upper
73 100
57 21.3 16.3 24.5

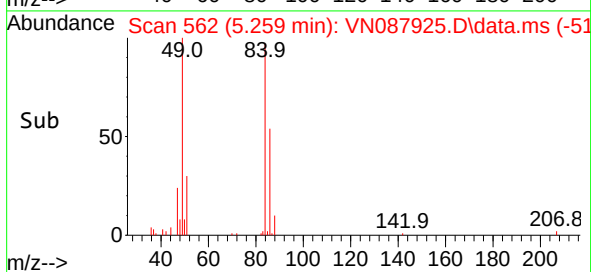
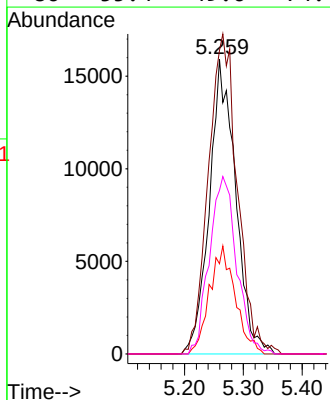
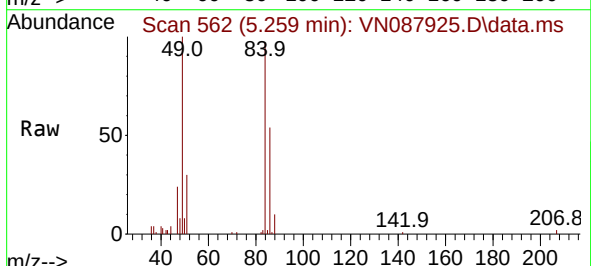
Manual Integrations
APPROVED

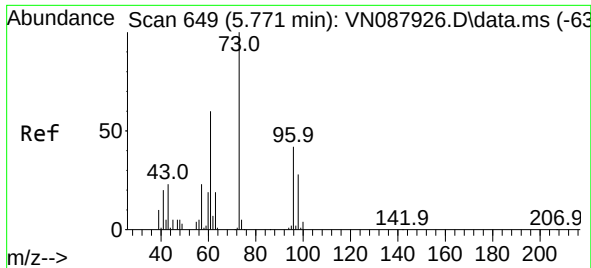
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#20
Methylene Chloride
Concen: 13.707 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

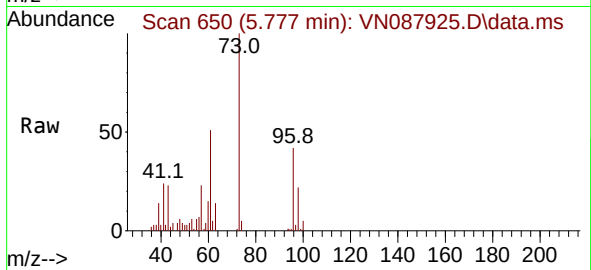
Tgt Ion: 84 Resp: 49361
Ion Ratio Lower Upper
84 100
49 102.9 92.1 138.1
51 30.6 27.7 41.5
86 55.4 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 14.198 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

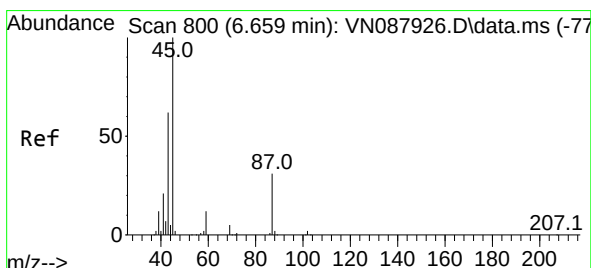
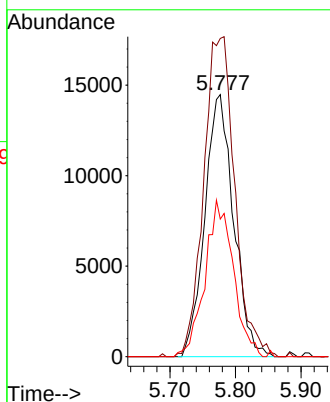
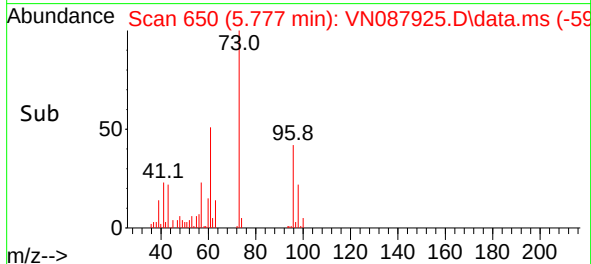
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 4420
Ion Ratio Lower Upper
96 100
61 121.4 114.4 171.6
98 52.5 53.6 80.4

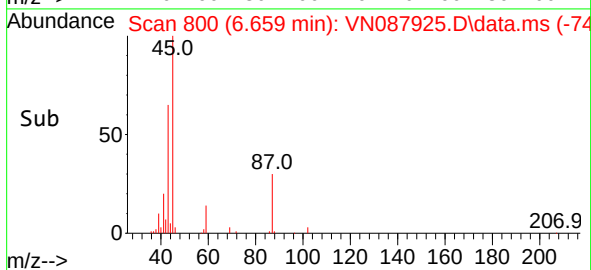
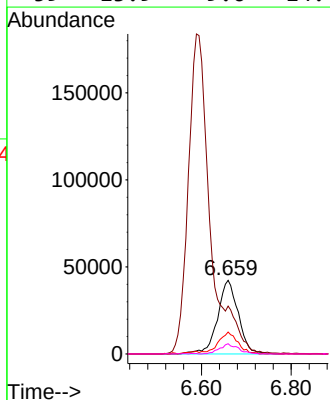
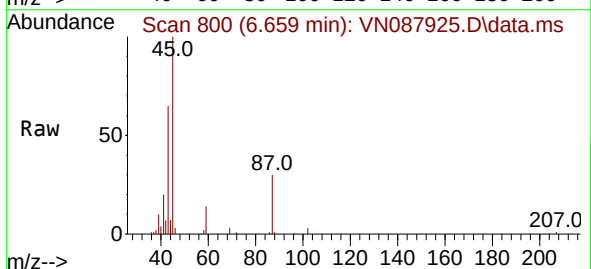
Manual Integrations
APPROVED

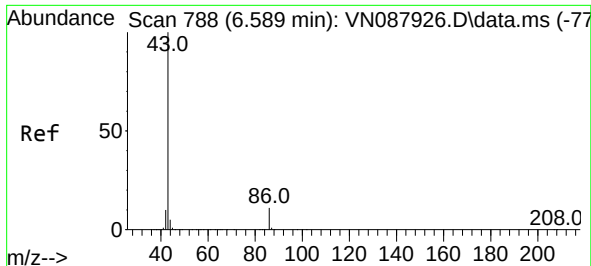
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#22
Diisopropyl ether
Concen: 15.305 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

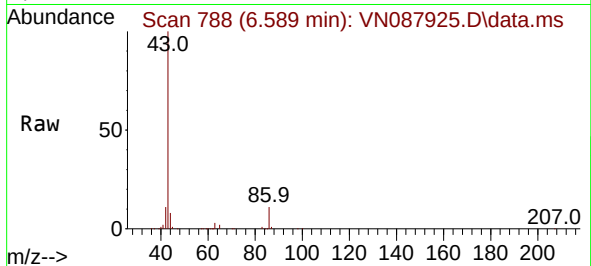
Tgt Ion: 45 Resp: 135930
Ion Ratio Lower Upper
45 100
43 64.0 49.9 74.9
87 29.7 25.2 37.8
59 13.9 9.6 14.4





#23
 Vinyl Acetate
 Concen: 72.379 ug/l m
 RT: 6.589 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54

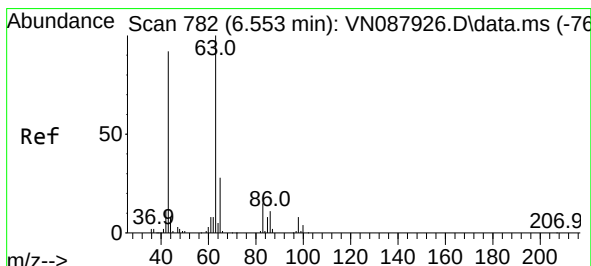
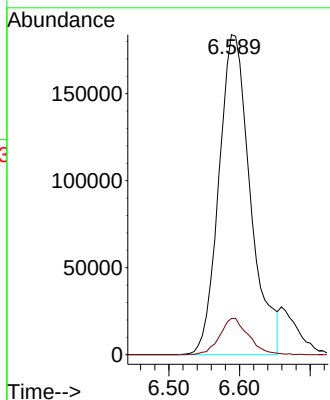
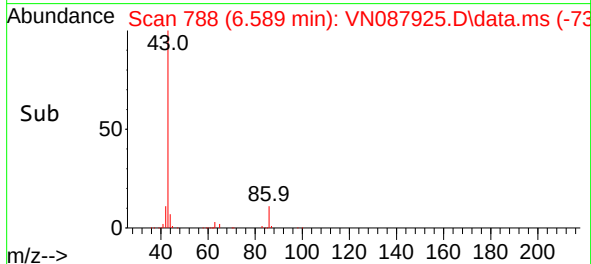
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



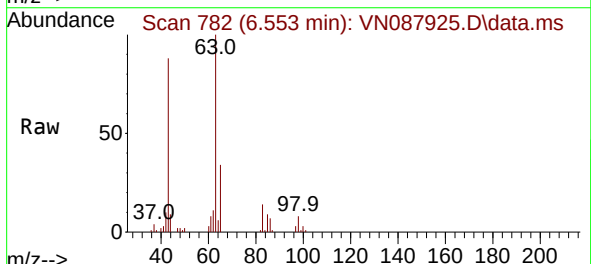
Tgt Ion: 43 Resp: 570640
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 12.8

Manual Integrations
 APPROVED

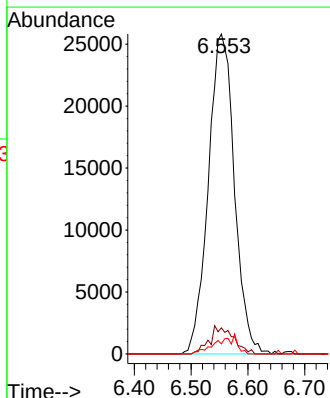
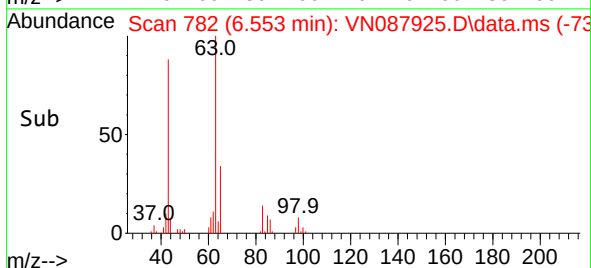
Reviewed By :John Carlone 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

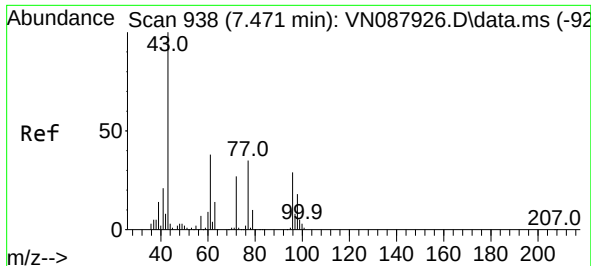


#24
 1,1-Dichloroethane
 Concen: 15.057 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54



Tgt Ion: 63 Resp: 82445
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.9 11.5
 100 3.1 2.1 6.5





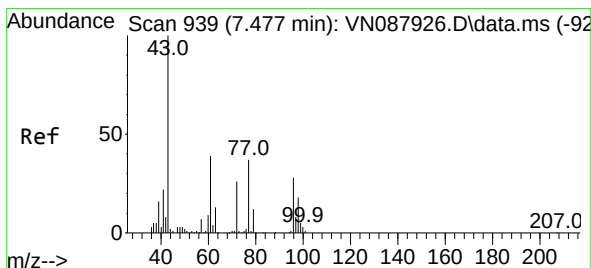
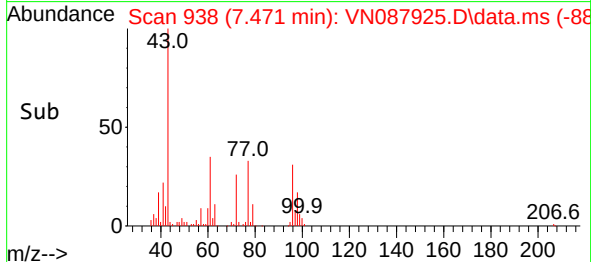
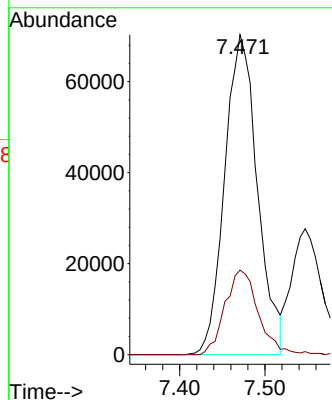
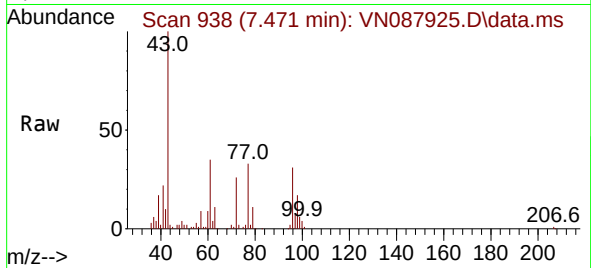
#25
2-Butanone
Concen: 78.128 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 18769
Ion Ratio Lower Upper
43 100
72 26.5 21.5 32.3

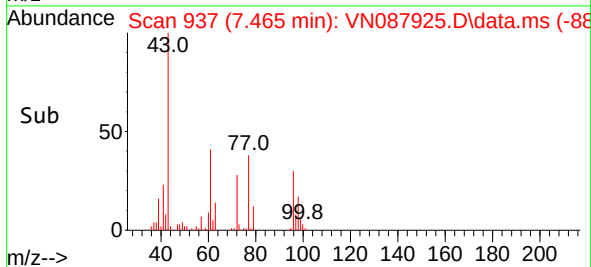
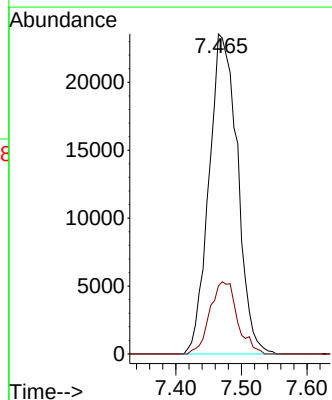
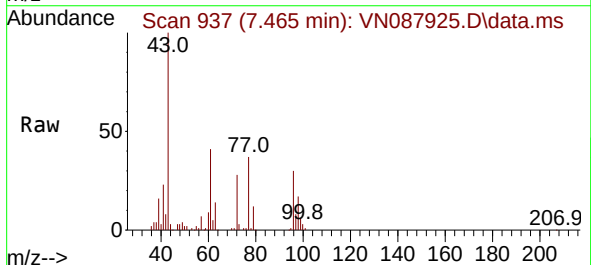
Manual Integrations
APPROVED

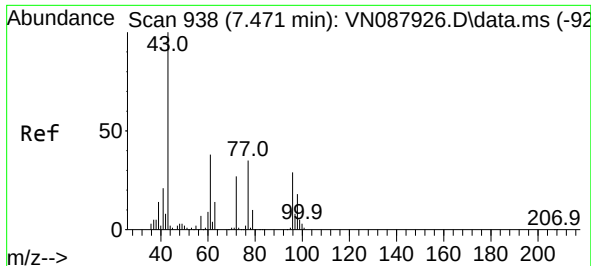
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#26
2,2-Dichloropropane
Concen: 15.007 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.012 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

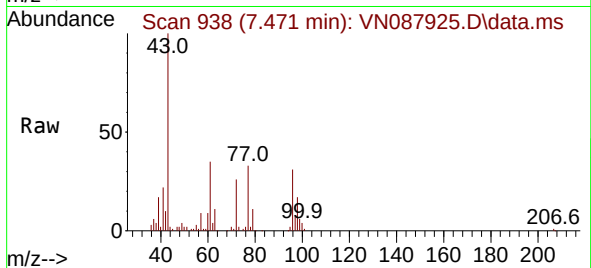
Tgt Ion: 77 Resp: 70927
Ion Ratio Lower Upper
77 100
97 21.8 11.5 34.5





#27
 cis-1,2-Dichloroethene
 Concen: 14.857 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54

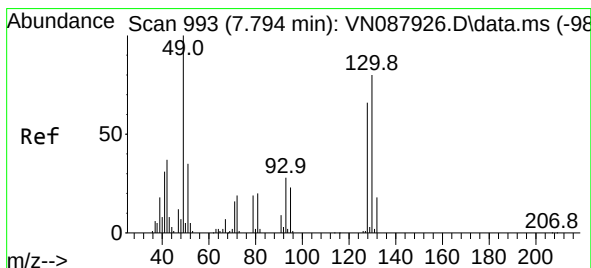
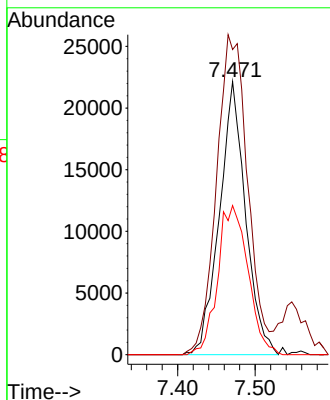
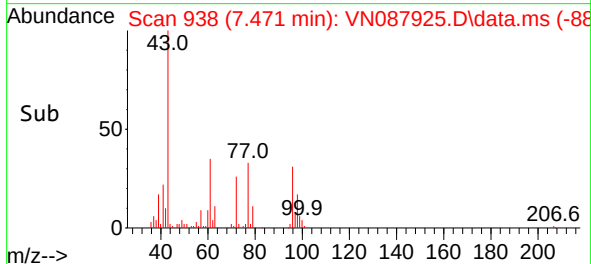
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020



Tgt Ion: 96 Resp: 52072
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 283.0
 98 63.2 0.0 127.6

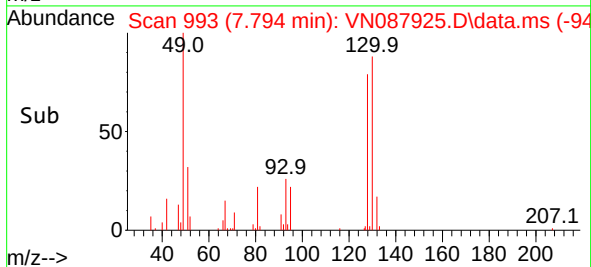
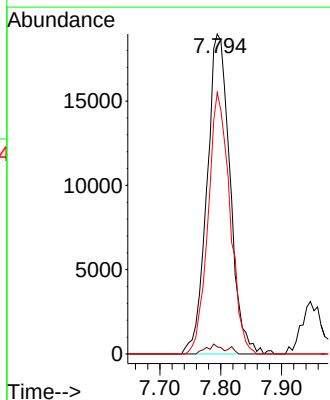
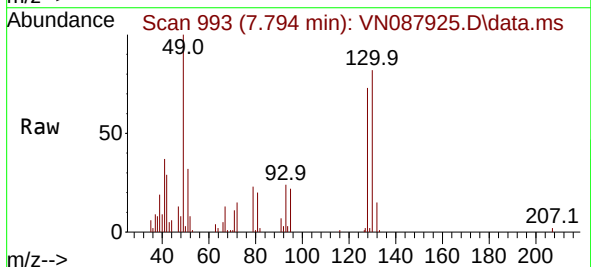
Manual Integrations
 APPROVED

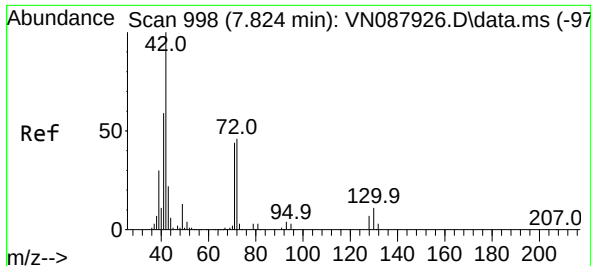
Reviewed By :John Carlone 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#28
 Bromochloromethane
 Concen: 17.955 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54

Tgt Ion: 49 Resp: 50037
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 5.4
 130 77.2 62.6 94.0





#29

Tetrahydrofuran

Concen: 71.289 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 10804

Ion Ratio Lower Upper

42 100

72 47.2 36.5 54.7

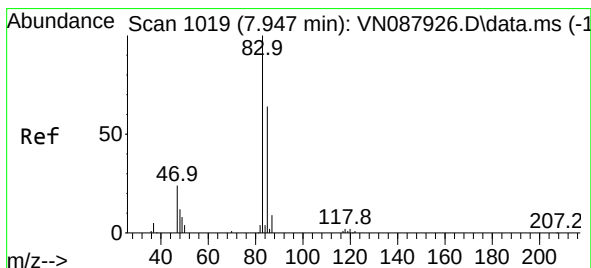
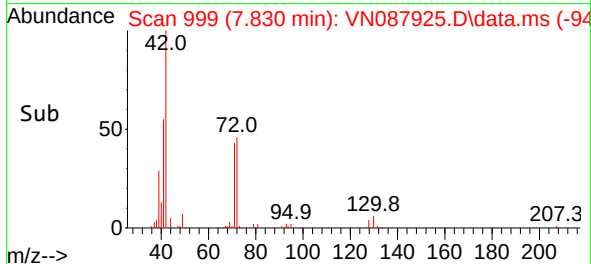
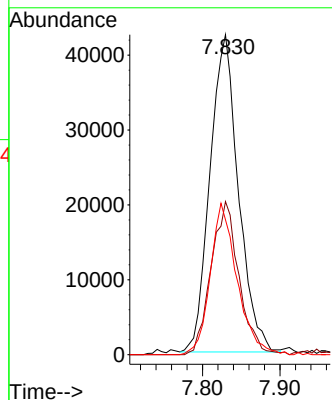
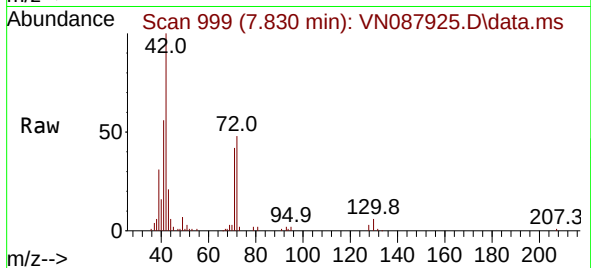
71 45.0 33.8 50.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#30

Chloroform

Concen: 14.835 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087925.D

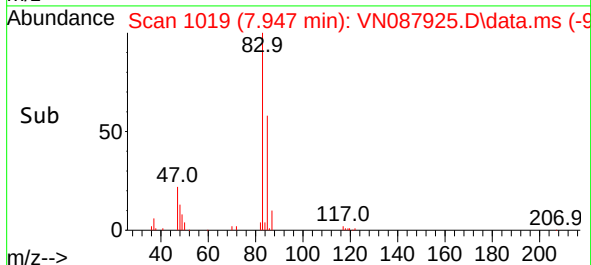
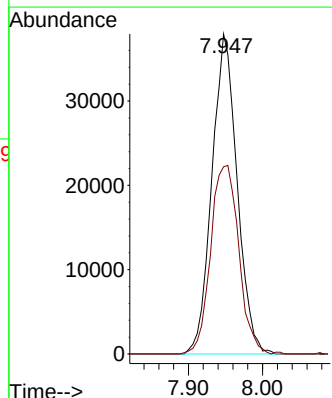
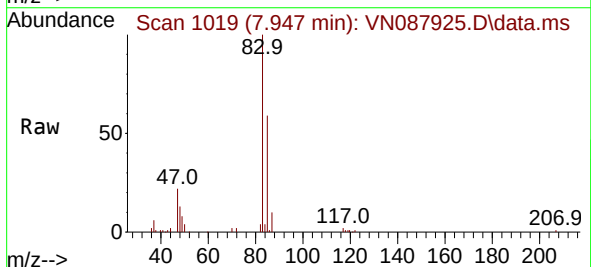
Acq: 23 Sep 2025 09:54

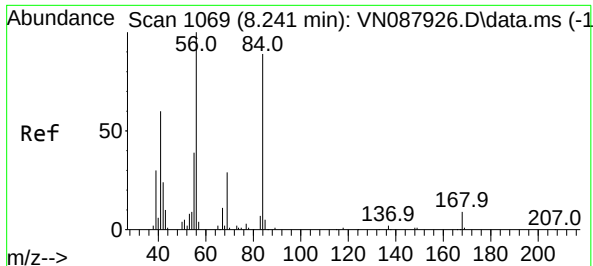
Tgt Ion: 83 Resp: 89662

Ion Ratio Lower Upper

83 100

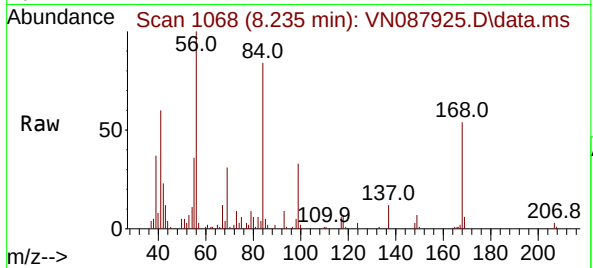
85 58.5 50.9 76.3





#31
Cyclohexane
Concen: 15.180 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

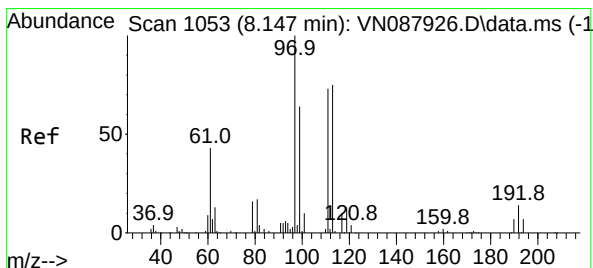
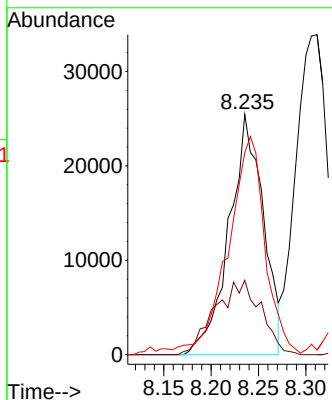
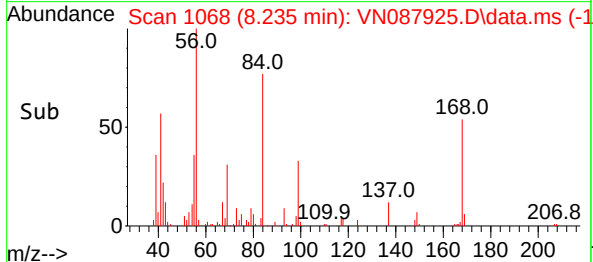
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



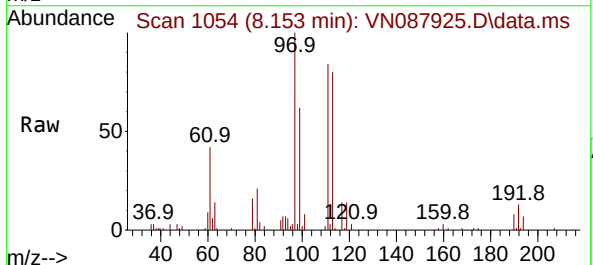
Tgt Ion: 56 Resp: 64000
Ion Ratio Lower Upper
56 100
69 30.9 23.4 35.0
84 80.7 70.8 106.2

Manual Integrations
APPROVED

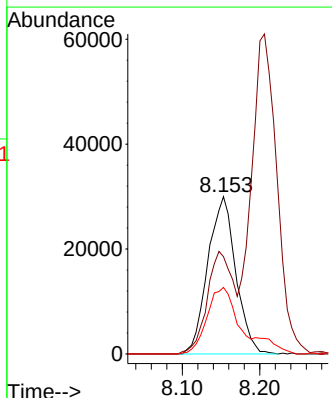
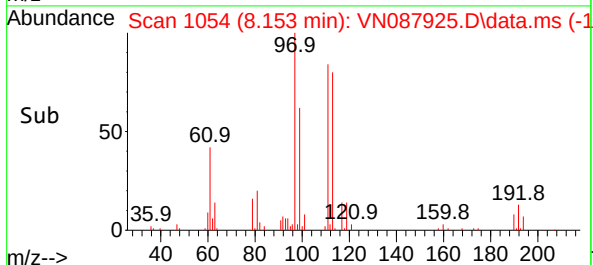
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

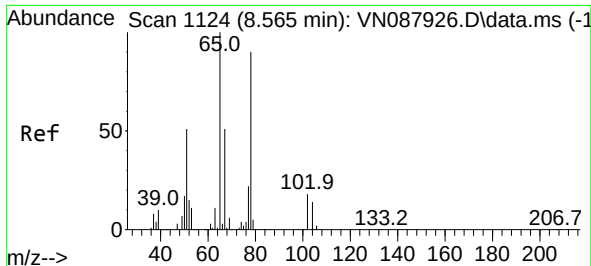


#32
1,1,1-Trichloroethane
Concen: 14.953 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion: 97 Resp: 75190
Ion Ratio Lower Upper
97 100
99 60.6 51.1 76.7
61 52.5 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 21.074 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 79234

Ion Ratio Lower Upper

65 100

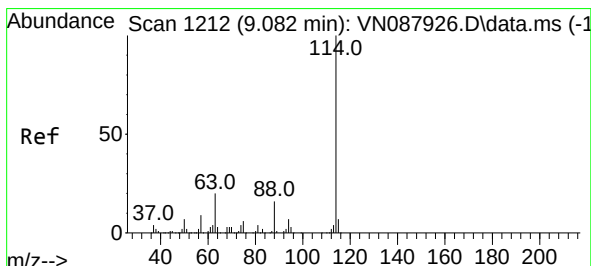
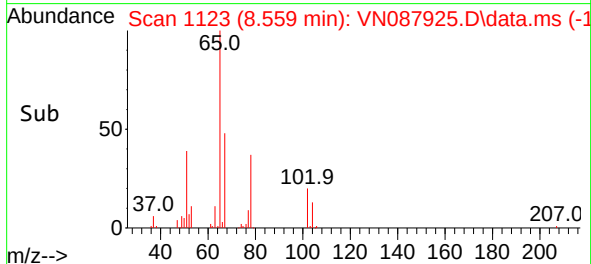
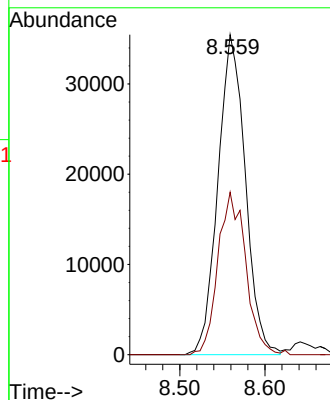
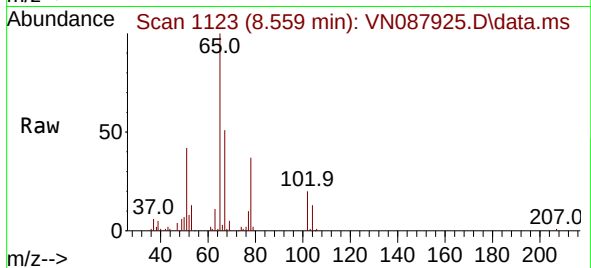
67 51.7 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

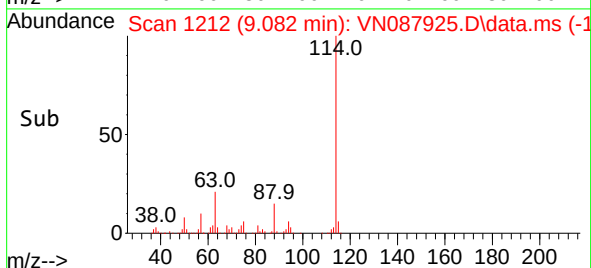
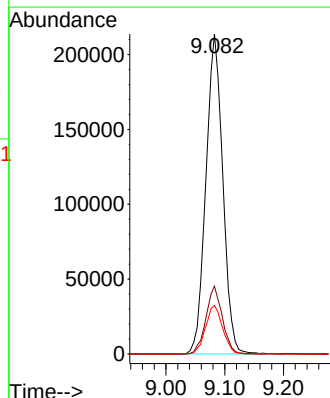
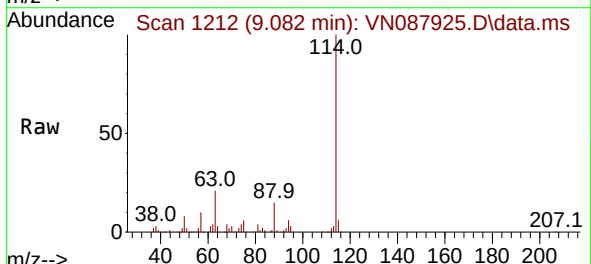
Tgt Ion:114 Resp: 427499

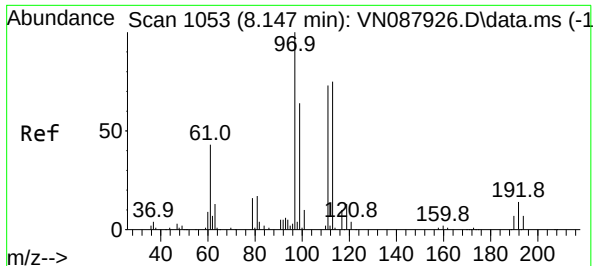
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 19.690 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 113 Resp: 61110

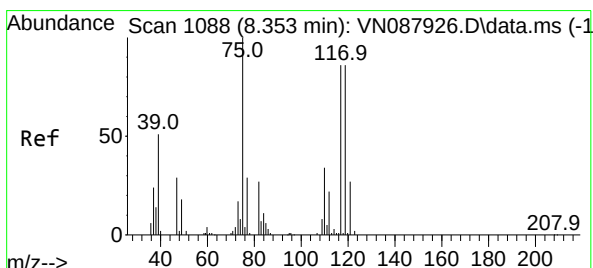
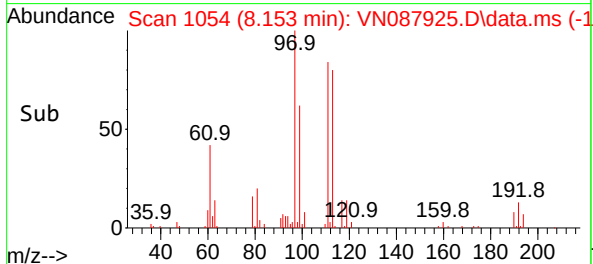
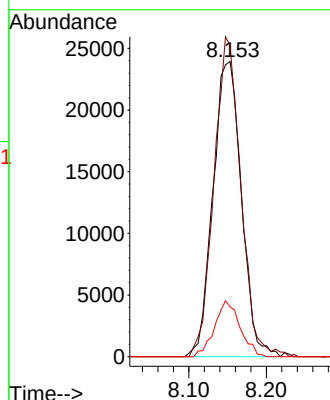
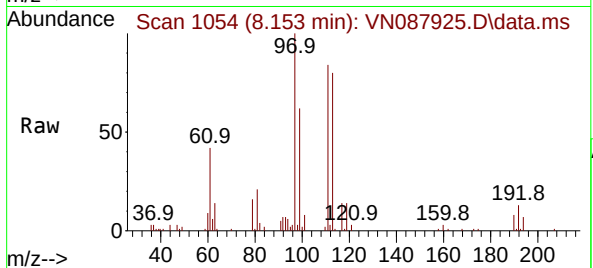
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	17.0	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#36

1,1-Dichloropropene

Concen: 14.085 ug/l

RT: 8.347 min Scan# 1087

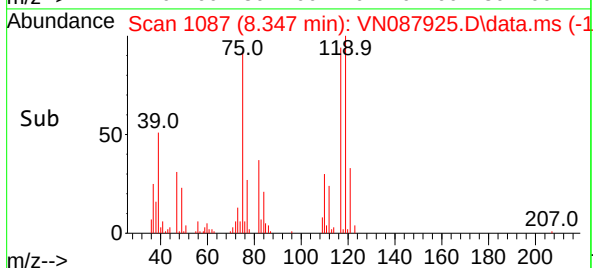
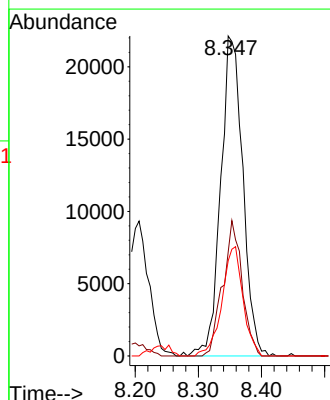
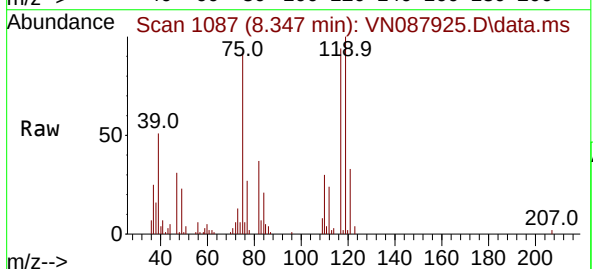
Delta R.T. -0.006 min

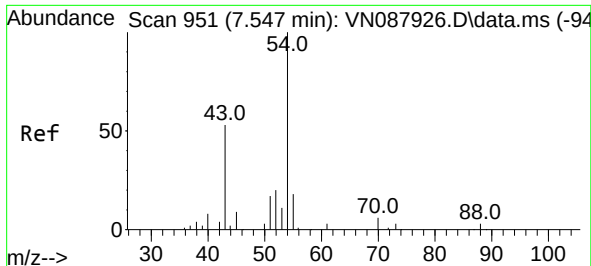
Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Tgt Ion: 75 Resp: 53901

Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.1	51.3
77	32.4	24.8	37.2





#37

Ethyl Acetate

Concen: 14.927 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 72884

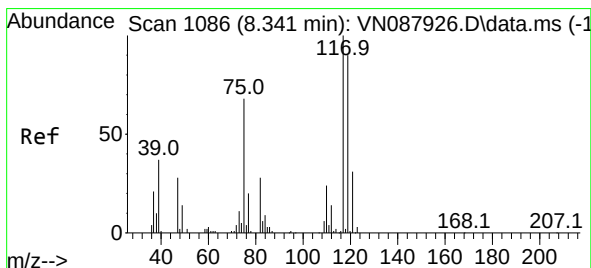
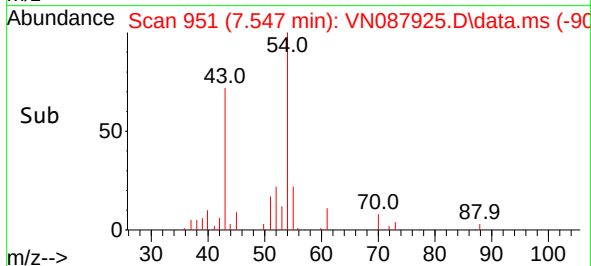
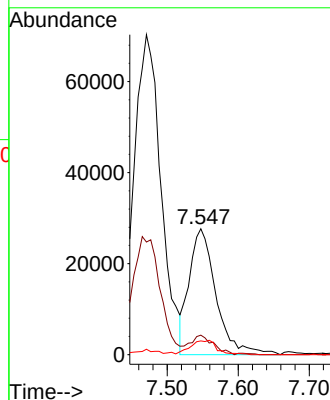
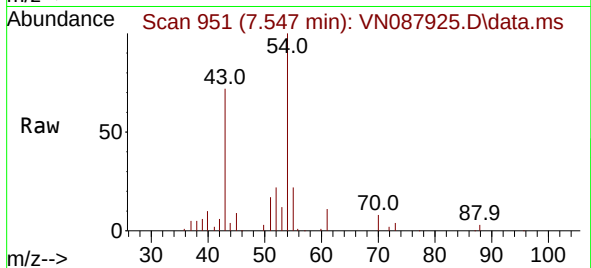
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	11.1	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#38

Carbon Tetrachloride

Concen: 14.126 ug/l

RT: 8.341 min Scan# 1086

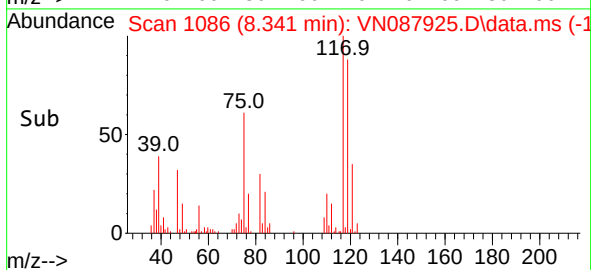
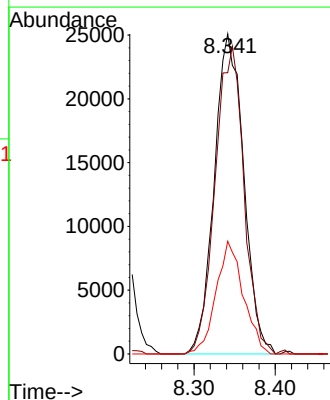
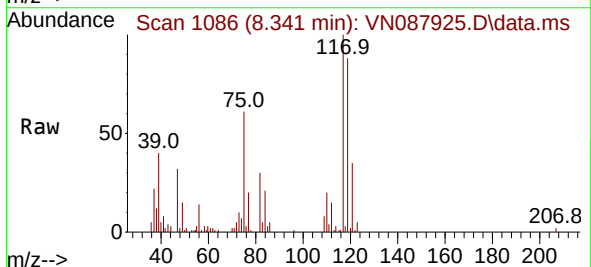
Delta R.T. 0.000 min

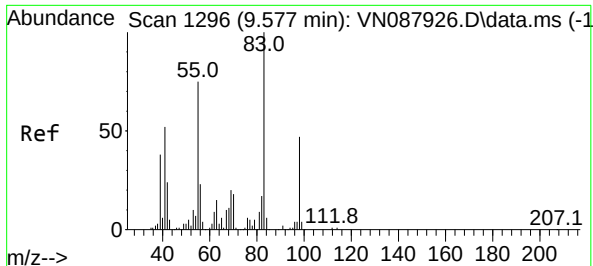
Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Tgt Ion:117 Resp: 63100

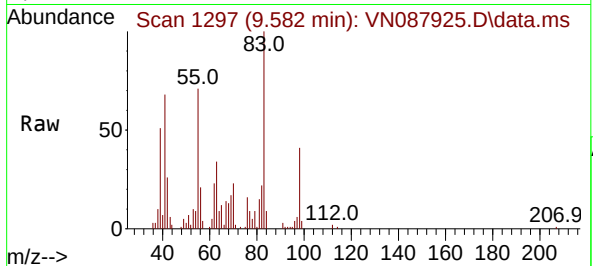
Ion	Ratio	Lower	Upper
117	100		
119	87.9	72.1	108.1
121	35.2	24.6	36.8





#39
Methylcyclohexane
Concen: 13.331 ug/l
RT: 9.582 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

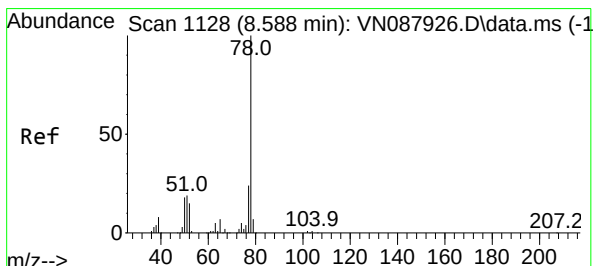
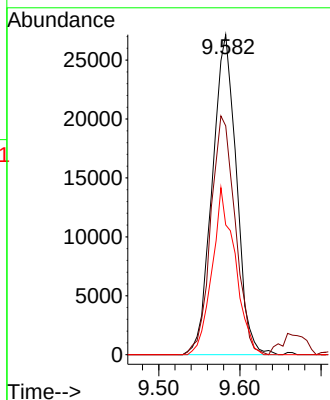
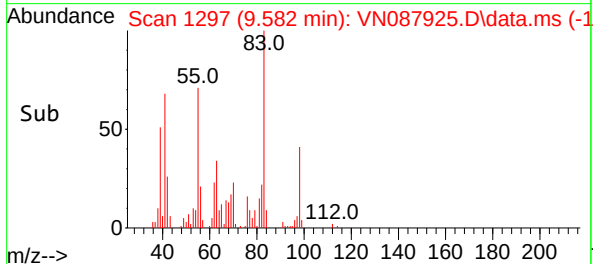
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 83 Resp: 5610
Ion Ratio Lower Upper
83 100
55 71.5 59.9 89.9
98 40.5 37.4 56.2

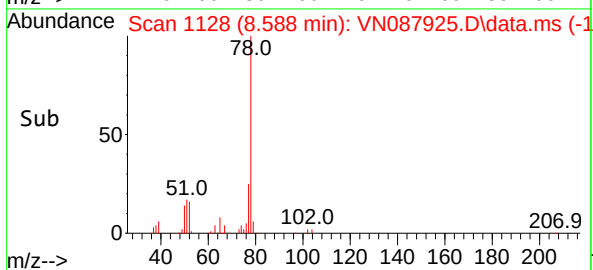
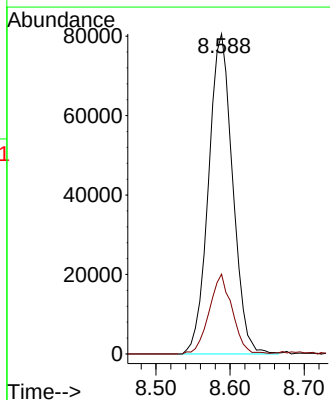
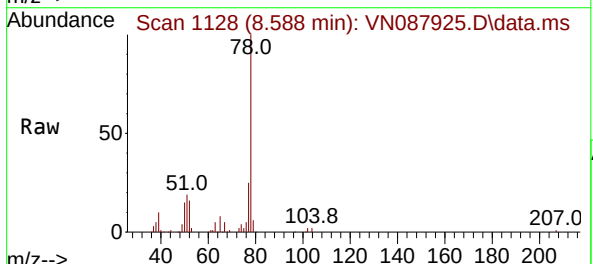
Manual Integrations
APPROVED

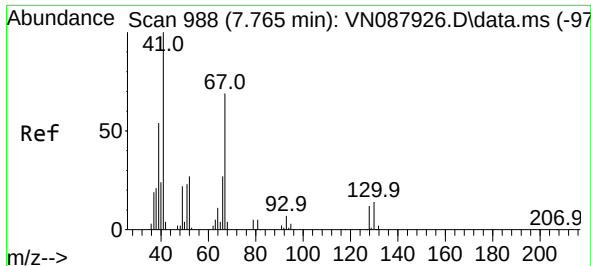
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#40
Benzene
Concen: 14.431 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

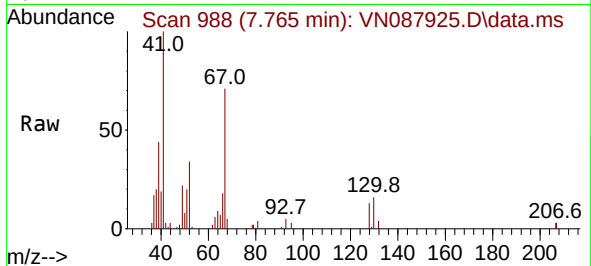
Tgt Ion: 78 Resp: 182196
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6





#41
Methacrylonitrile
Concen: 13.360 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

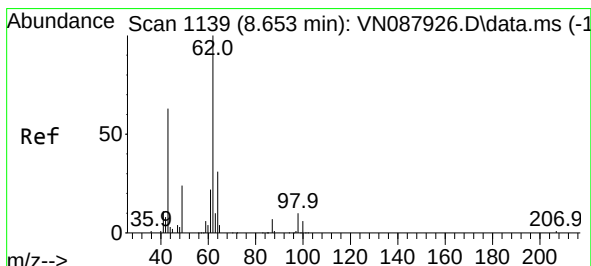
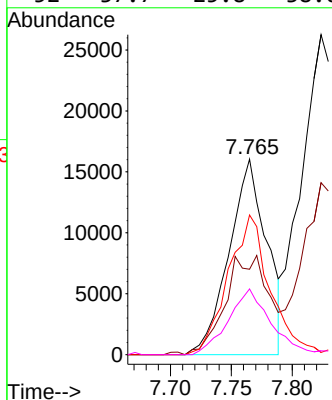
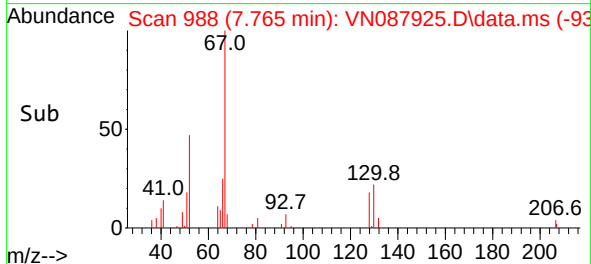
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 41 Resp: 34450
Ion Ratio Lower Upper
41 100
39 58.2 43.5 65.3
67 80.6 57.6 86.4
52 37.7 25.8 38.6

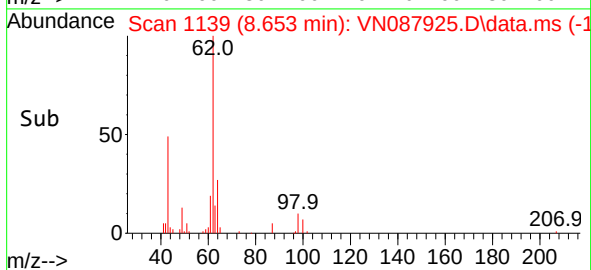
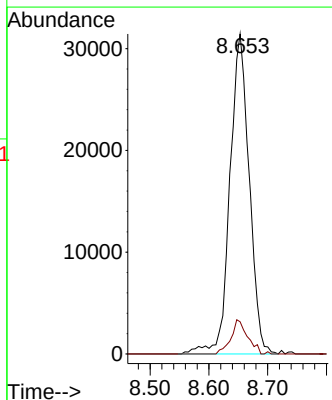
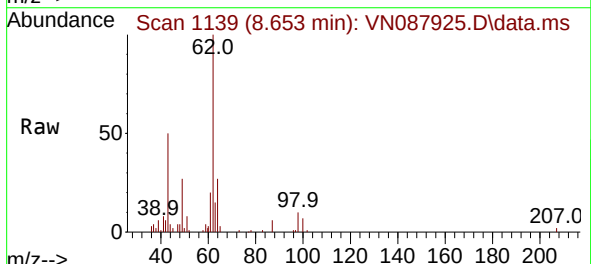
Manual Integrations
APPROVED

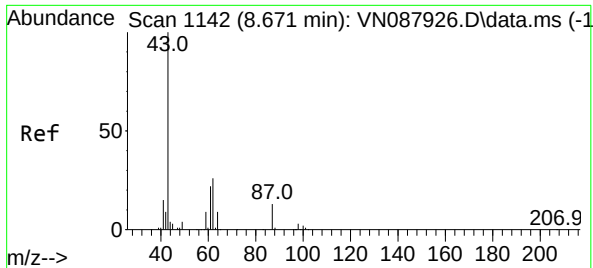
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#42
1,2-Dichloroethane
Concen: 15.042 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

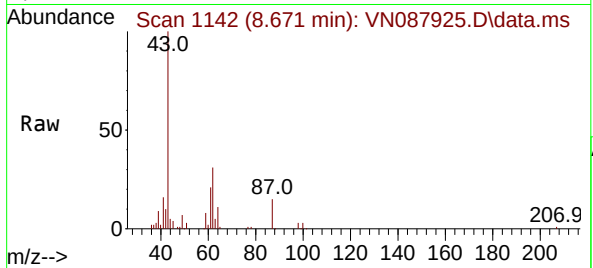
Tgt Ion: 62 Resp: 71851
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43
Isopropyl Acetate
Concen: 14.067 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

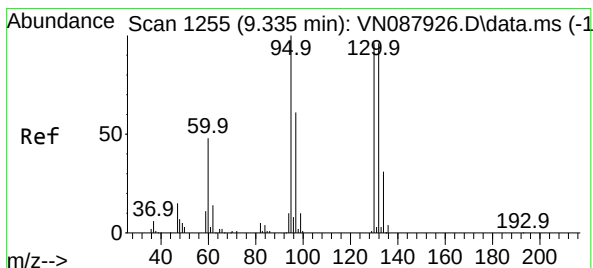
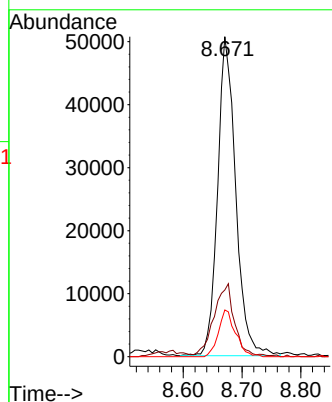
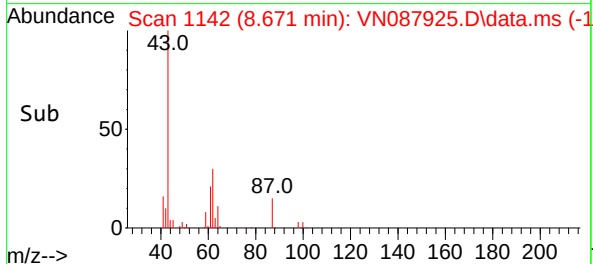
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



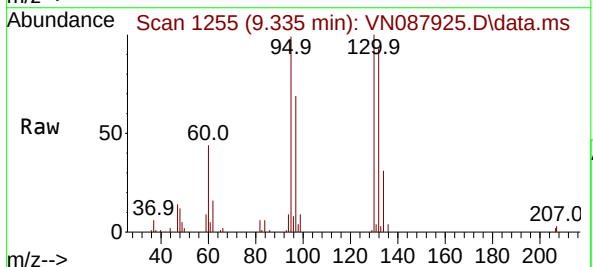
Tgt Ion: 43 Resp: 108690
Ion Ratio Lower Upper
43 100
61 26.3 20.2 30.2
87 13.8 10.9 16.3

Manual Integrations
APPROVED

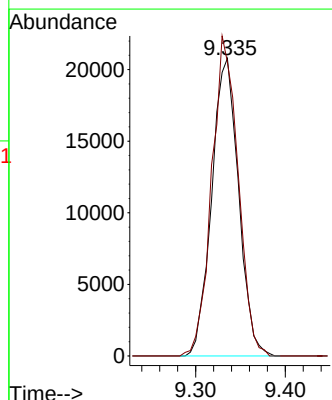
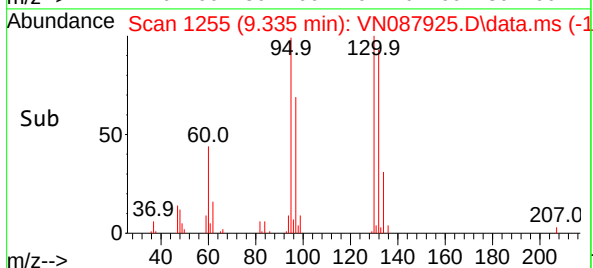
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

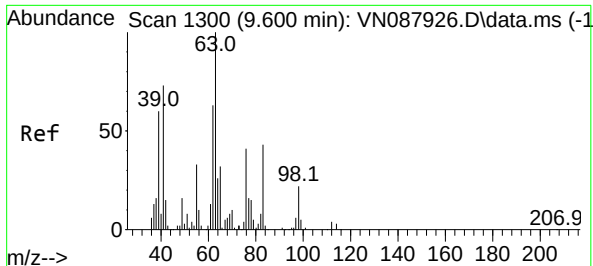


#44
Trichloroethene
Concen: 14.327 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion:130 Resp: 43238
Ion Ratio Lower Upper
130 100
95 98.8 0.0 208.0





#45

1,2-Dichloropropane

Concen: 15.100 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 47138

Ion Ratio Lower Upper

63 100

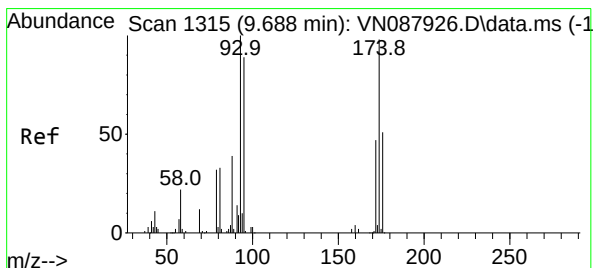
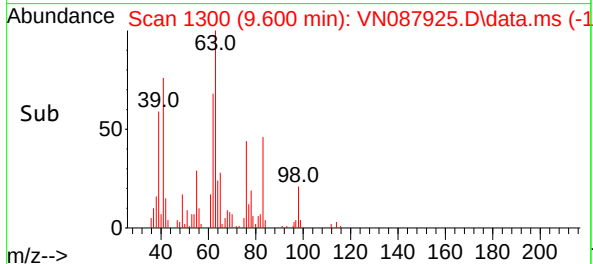
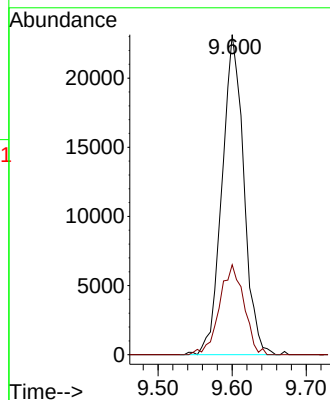
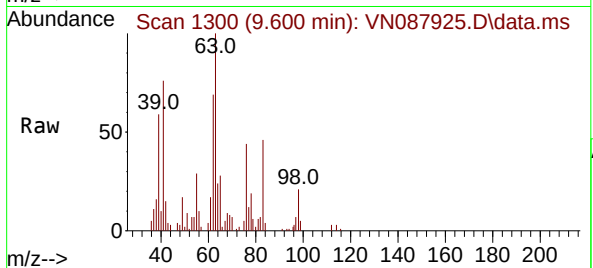
65 28.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#46

Dibromomethane

Concen: 14.456 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

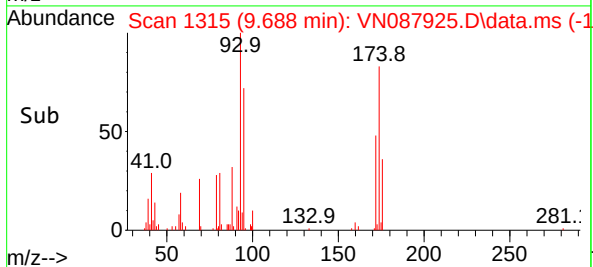
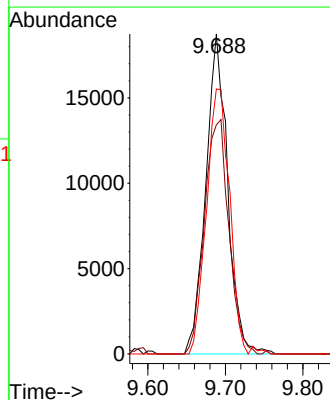
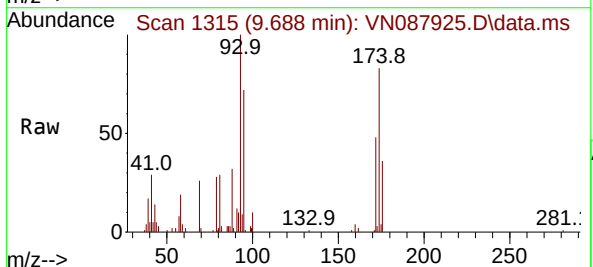
Tgt Ion: 93 Resp: 36643

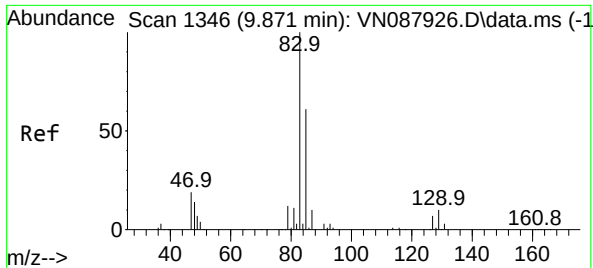
Ion Ratio Lower Upper

93 100

95 82.1 67.6 101.4

174 87.2 75.4 113.0





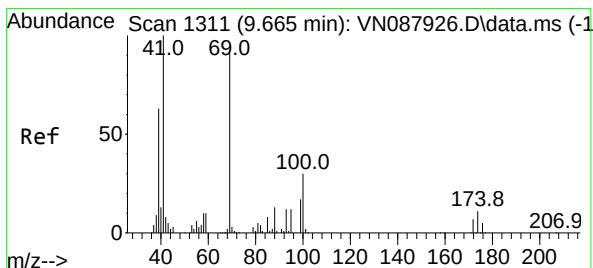
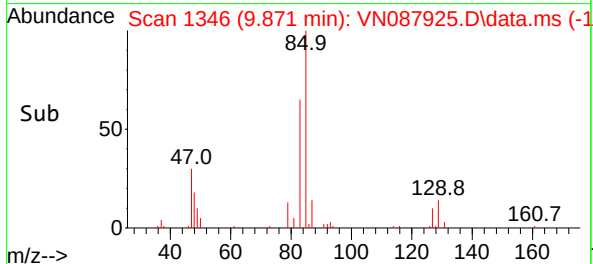
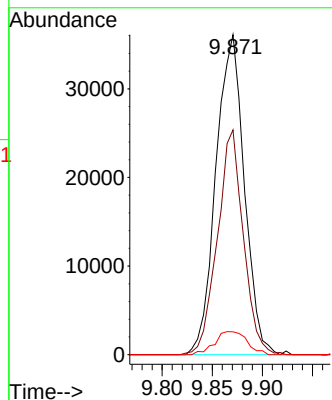
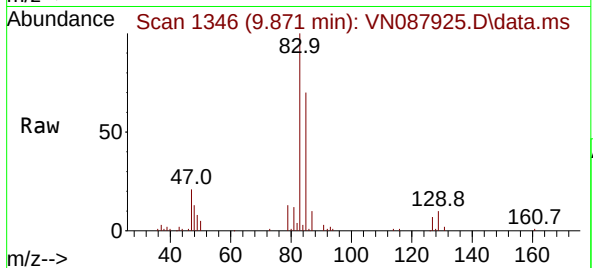
#47
Bromodichloromethane
Concen: 14.585 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 7101
Ion Ratio Lower Upper
83 100
85 70.3 49.1 73.7
127 7.2 5.9 8.9

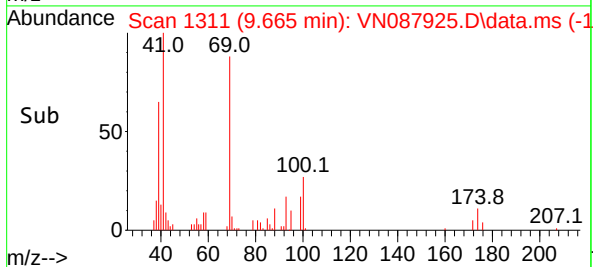
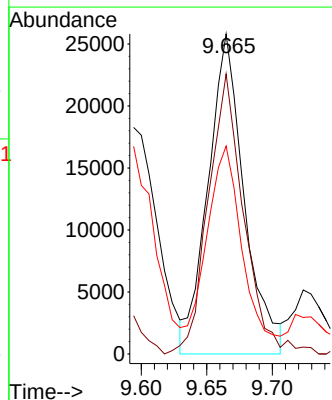
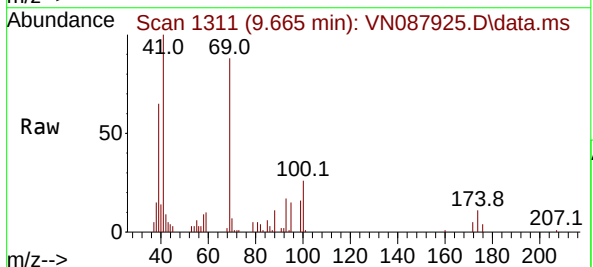
Manual Integrations
APPROVED

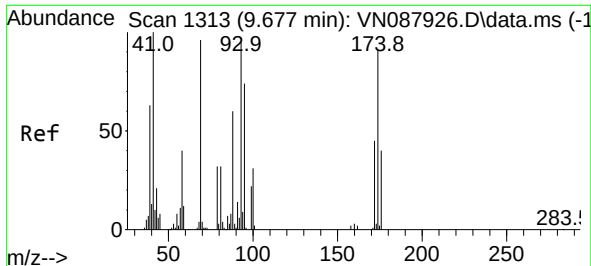
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#48
Methyl methacrylate
Concen: 14.181 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Tgt Ion: 41 Resp: 49474
Ion Ratio Lower Upper
41 100
69 85.8 70.9 106.3
39 66.0 52.9 79.3





#49

1,4-Dioxane

Concen: 263.912 ug/l

RT: 9.688 min Scan# 1431

Delta R.T. 0.012 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

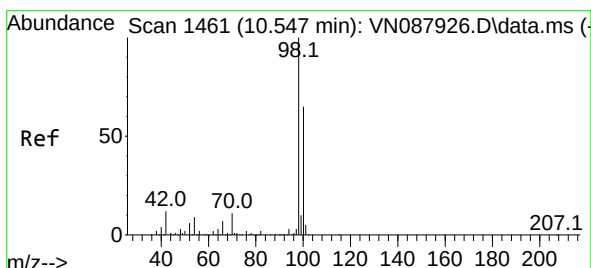
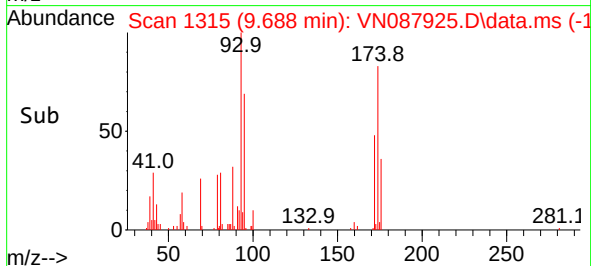
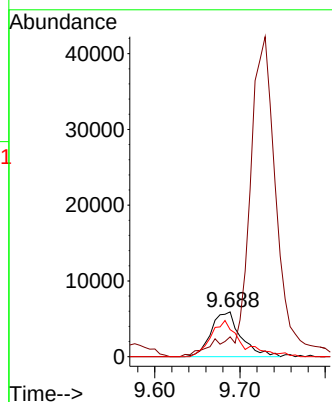
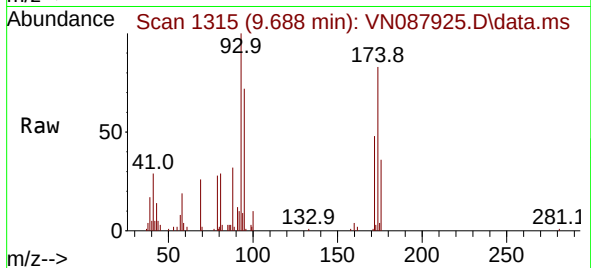
Tgt Ion: 88	Resp: 14310
Ion Ratio	Lower Upper
88 100	
43 0.0	22.6 33.8
58 83.4	57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#50

Toluene-d8

Concen: 19.565 ug/l

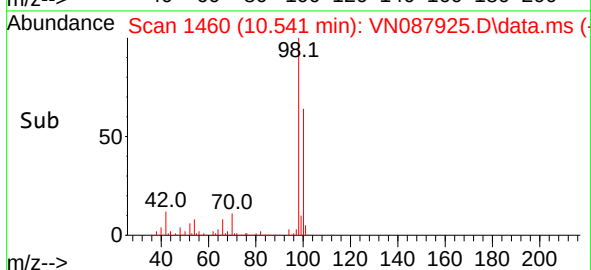
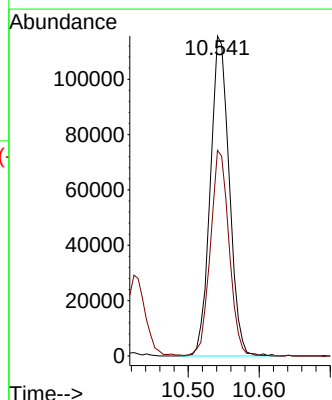
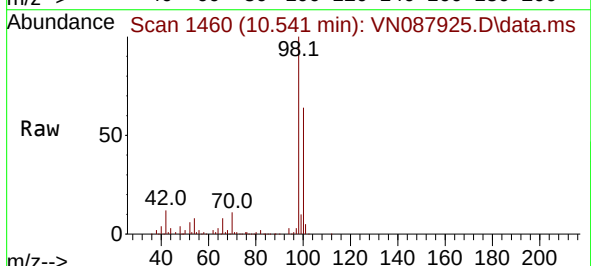
RT: 10.541 min Scan# 1460

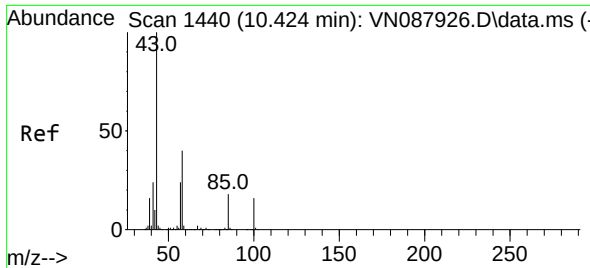
Delta R.T. -0.006 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

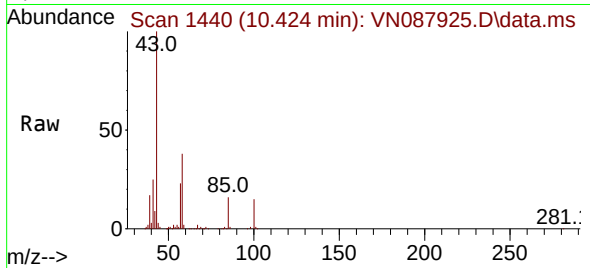
Tgt Ion: 98	Resp: 213554
Ion Ratio	Lower Upper
98 100	
100 63.5	51.7 77.5





#51
4-Methyl-2-Pentanone
Concen: 74.808 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

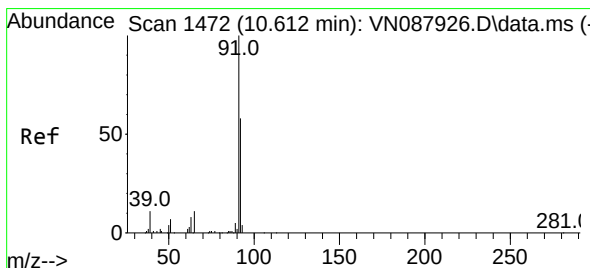
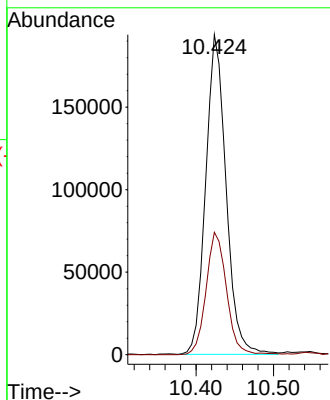
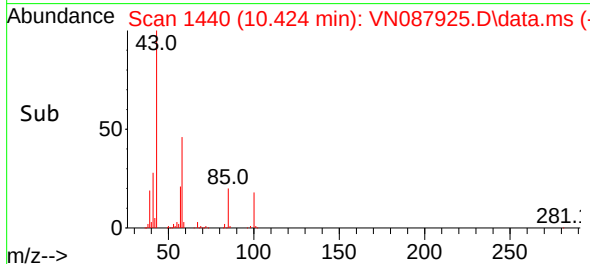
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



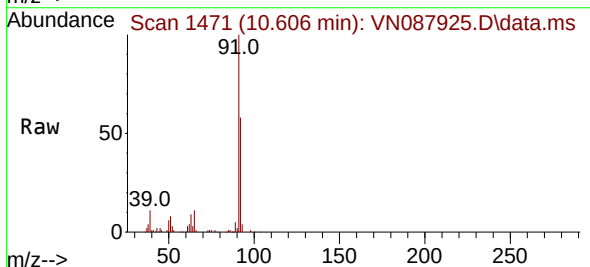
Tgt Ion: 43 Resp: 354320
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.6

Manual Integrations
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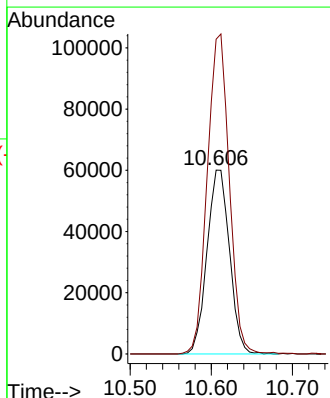
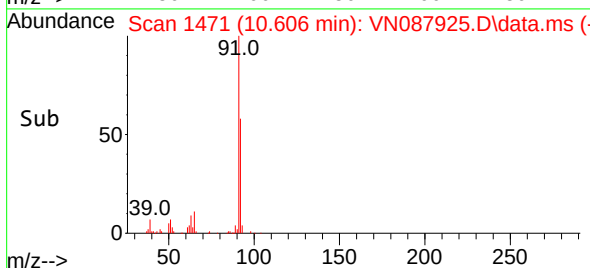
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

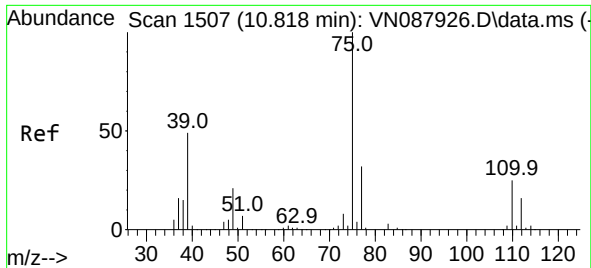


#52
Toluene
Concen: 15.319 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



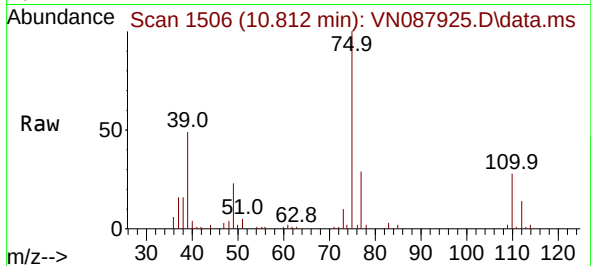
Tgt Ion: 92 Resp: 115599
Ion Ratio Lower Upper
92 100
91 170.5 138.2 207.2





#53
t-1,3-Dichloropropene
Concen: 14.580 ug/l
RT: 10.812 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

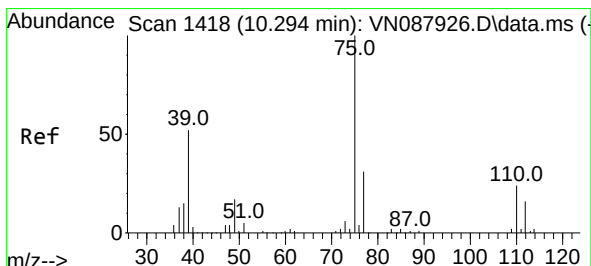
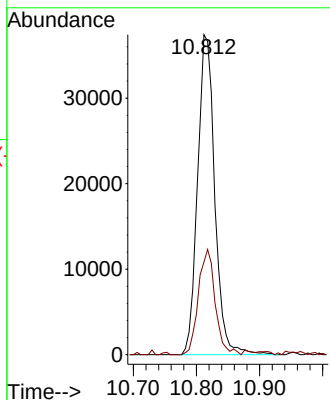
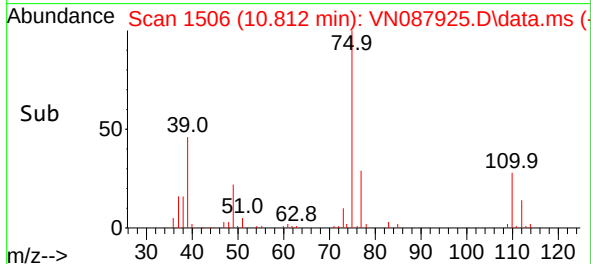
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 70760
Ion Ratio Lower Upper
75 100
77 29.0 25.3 37.9

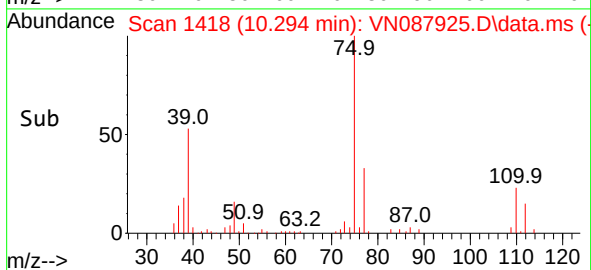
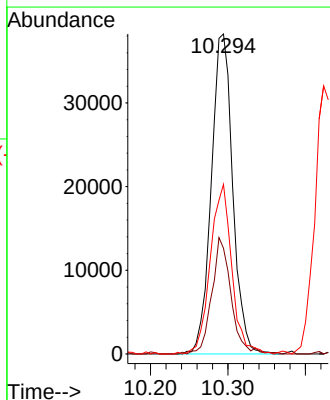
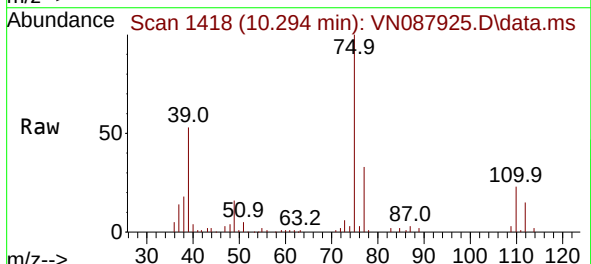
Manual Integrations
APPROVED

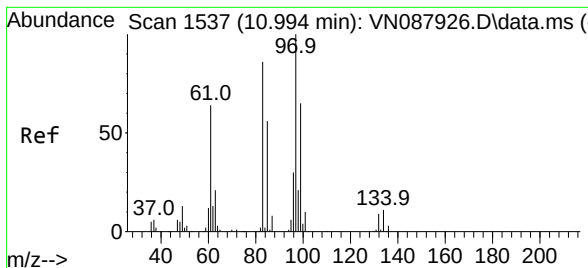
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#54
cis-1,3-Dichloropropene
Concen: 14.417 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

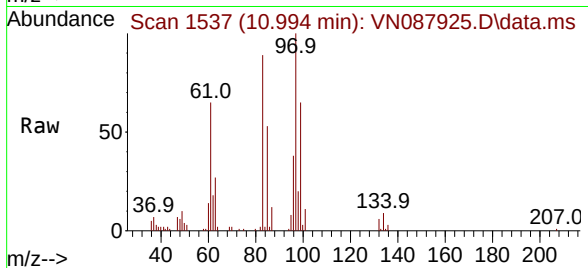
Tgt Ion: 75 Resp: 73698
Ion Ratio Lower Upper
75 100
77 33.1 24.7 37.1
39 52.5 41.4 62.0





#55
1,1,2-Trichloroethane
Concen: 14.681 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

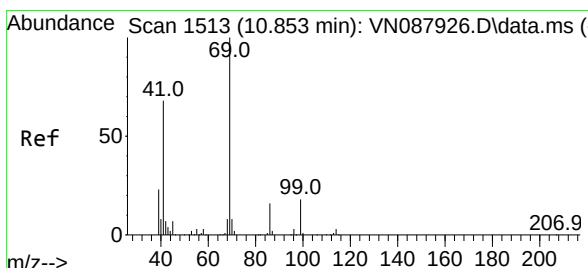
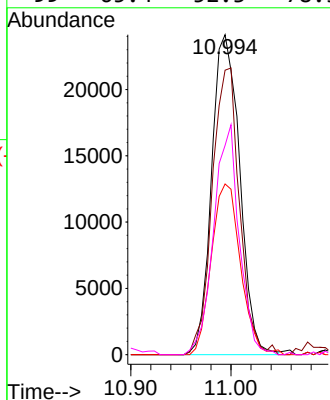
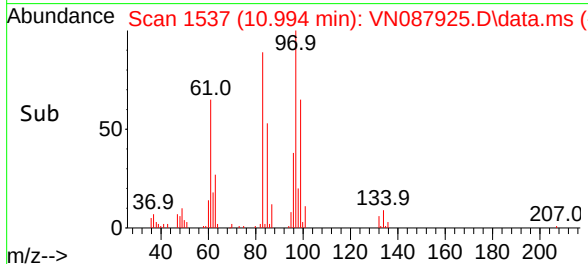
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



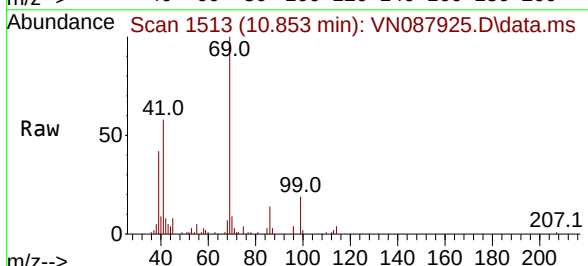
Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.0	103.4
85	53.4	44.4	66.6
99	65.4	52.3	78.5

Manual Integrations
APPROVED

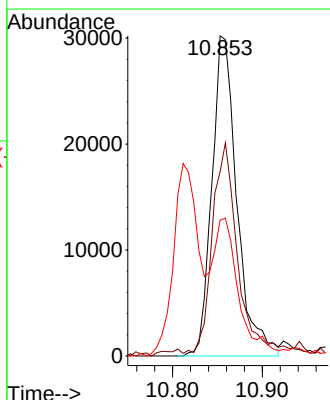
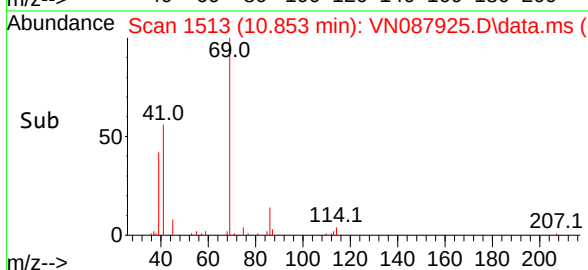
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

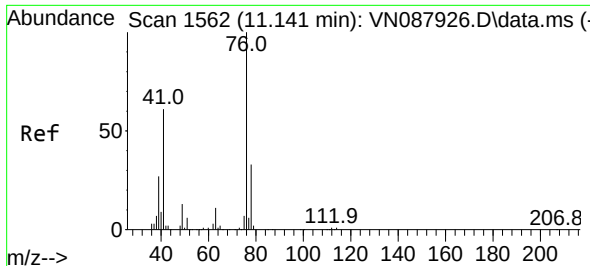


#56
Ethyl methacrylate
Concen: 13.642 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.8	80.6
39	38.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 14.621 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 7718

Ion Ratio Lower Upper

76 100

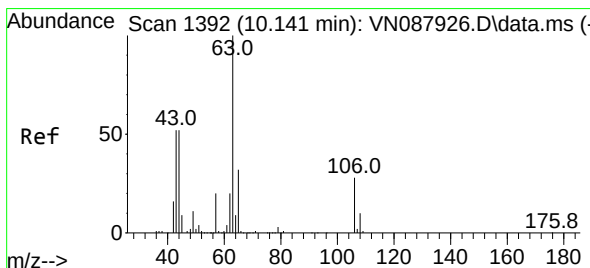
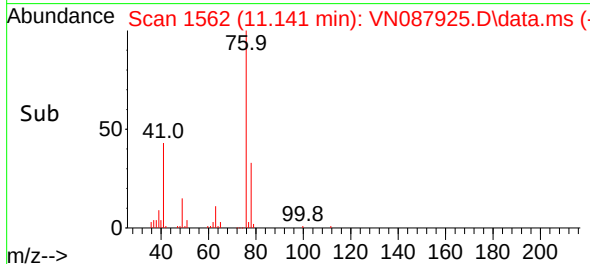
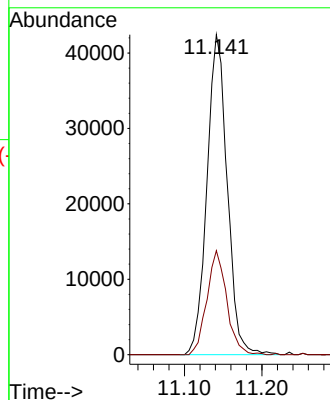
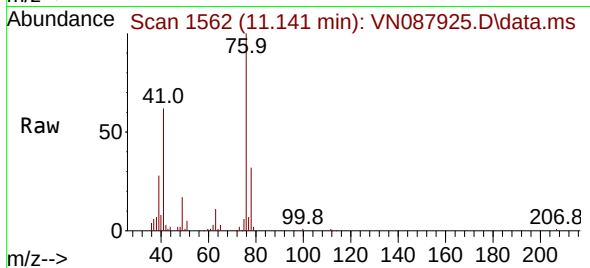
78 31.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 141.510 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN087925.D

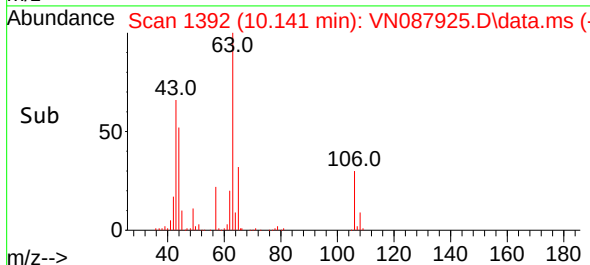
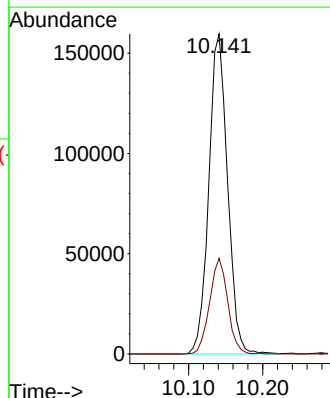
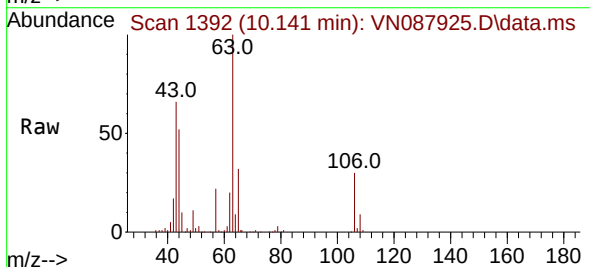
Acq: 23 Sep 2025 09:54

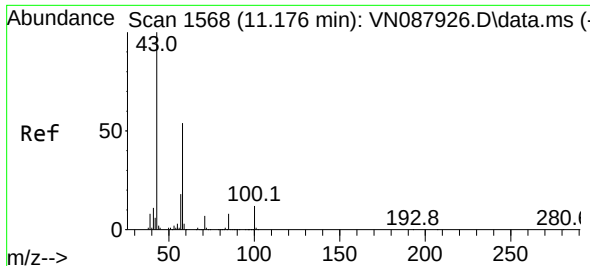
Tgt Ion: 63 Resp: 279997

Ion Ratio Lower Upper

63 100

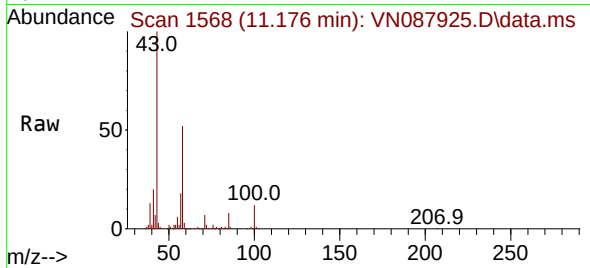
106 28.8 22.6 33.8





#59
2-Hexanone
Concen: 74.269 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

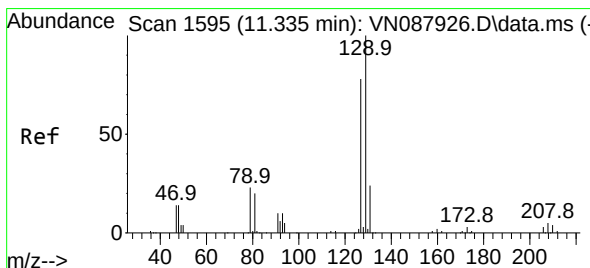
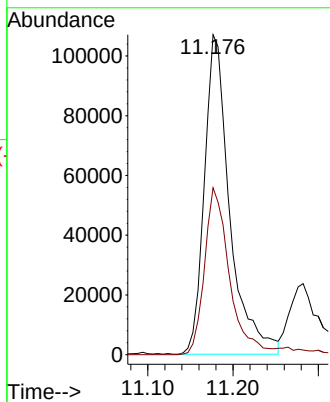
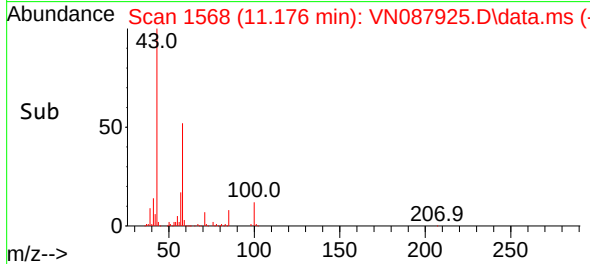
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 22085
Ion Ratio Lower Upper
43 100
58 51.2 26.4 79.2

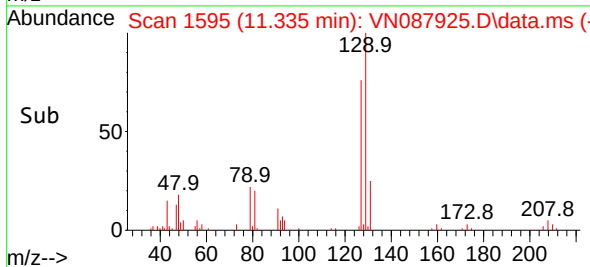
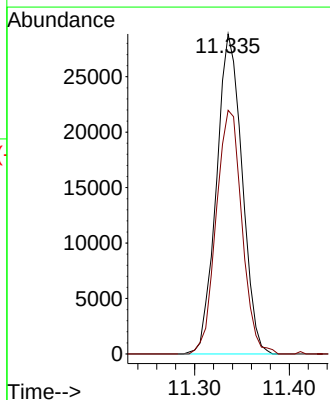
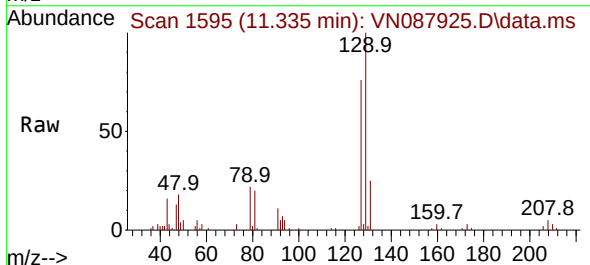
Manual Integrations
APPROVED

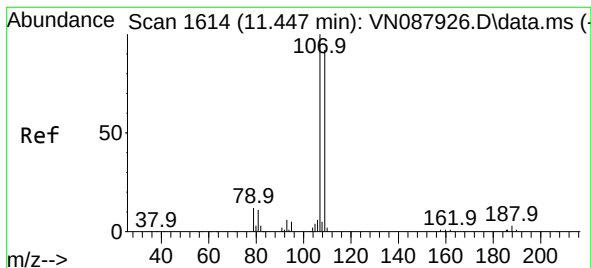
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#60
Dibromochloromethane
Concen: 14.518 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

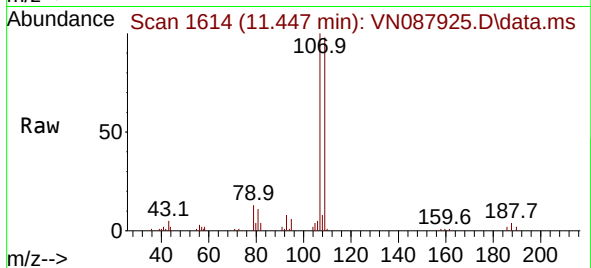
Tgt Ion:129 Resp: 54275
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.9





#61
1,2-Dibromoethane
Concen: 14.036 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

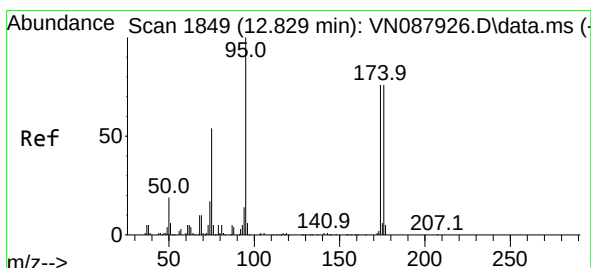
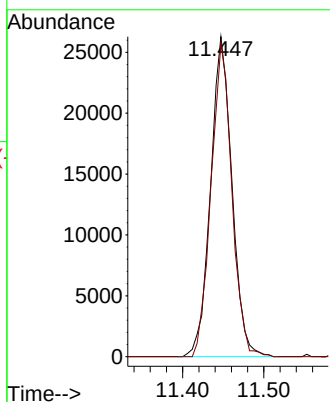
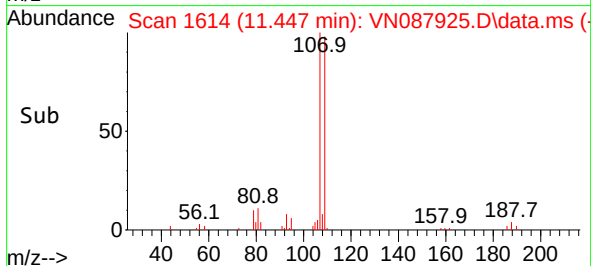
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



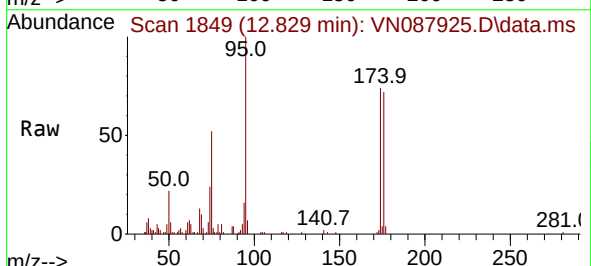
Tgt Ion:107 Resp: 48169
Ion Ratio Lower Upper
107 100
109 95.1 75.3 112.9

Manual Integrations
APPROVED

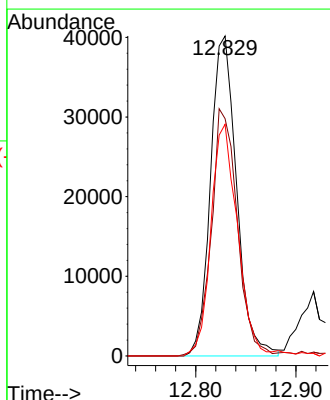
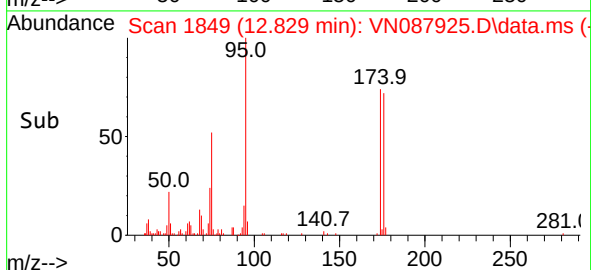
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

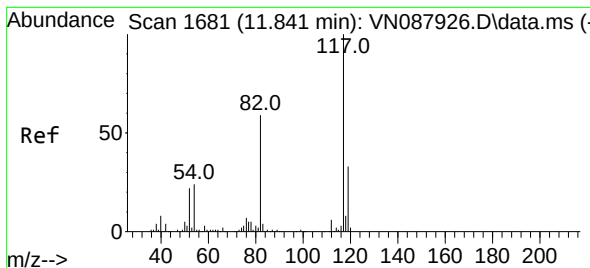


#62
4-Bromofluorobenzene
Concen: 18.589 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion: 95 Resp: 72525
Ion Ratio Lower Upper
95 100
174 76.9 0.0 159.2
176 74.5 0.0 152.6





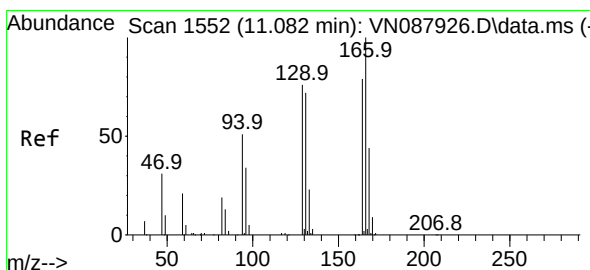
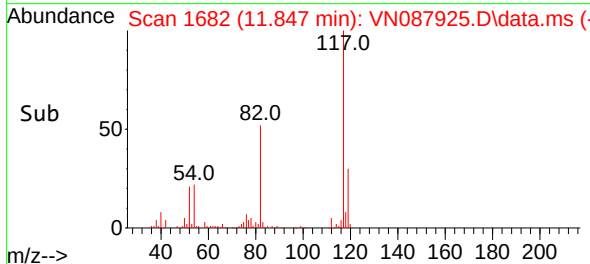
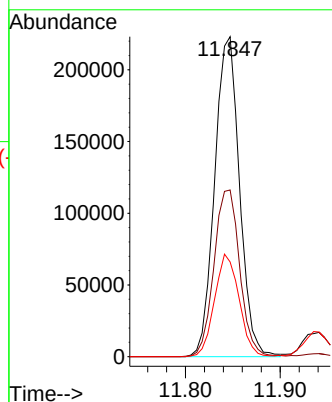
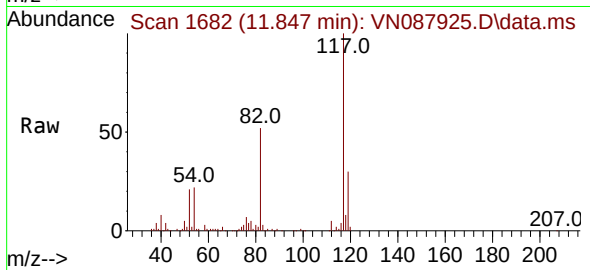
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 40699
Ion Ratio Lower Upper
117 100
82 52.1 47.0 70.4
119 29.6 26.1 39.1

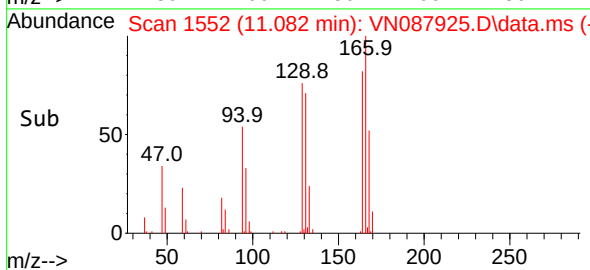
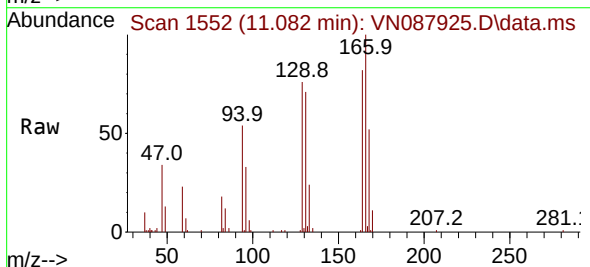
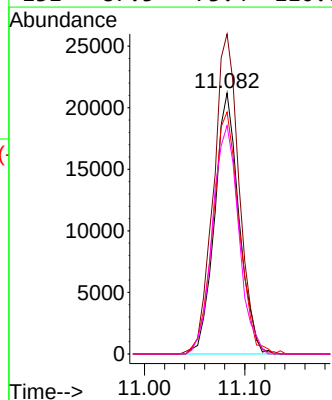
Manual Integrations
APPROVED

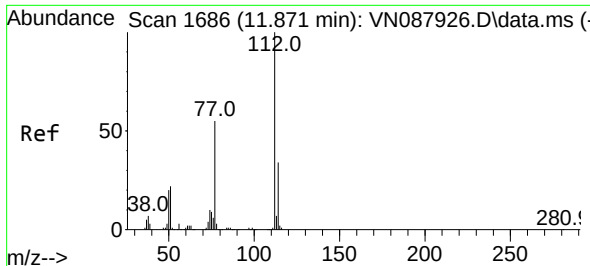
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#64
Tetrachloroethene
Concen: 13.845 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

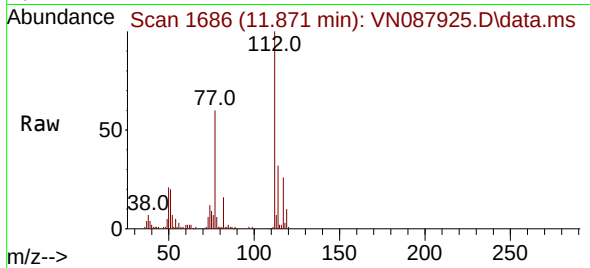
Tgt Ion:164 Resp: 35820
Ion Ratio Lower Upper
164 100
166 122.7 101.6 152.4
129 92.7 77.5 116.3
131 87.5 73.4 110.0





#65
Chlorobenzene
Concen: 14.510 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

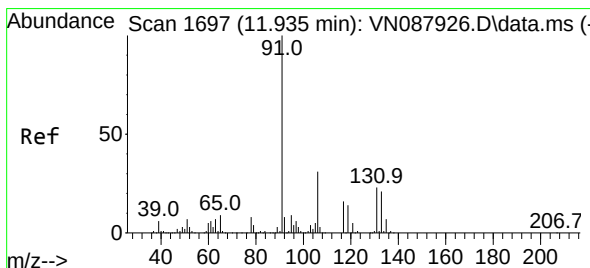
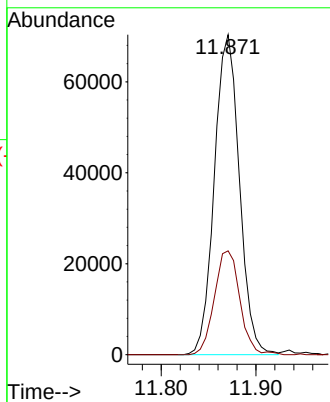
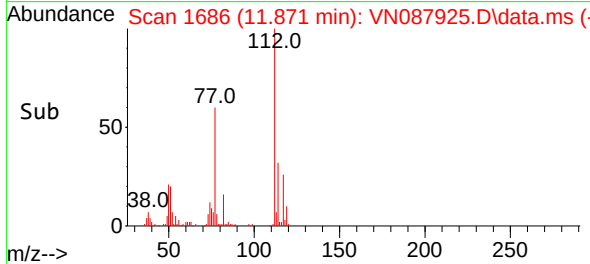
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



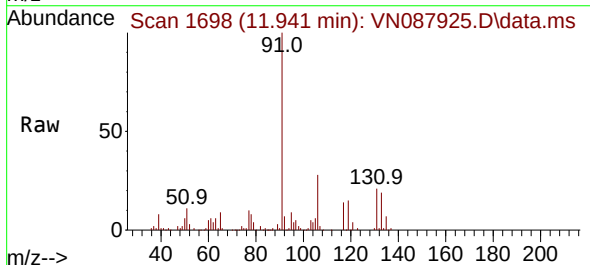
Tgt Ion:112 Resp: 12930
Ion Ratio Lower Upper
112 100
114 32.5 27.2 40.8

Manual Integrations
APPROVED

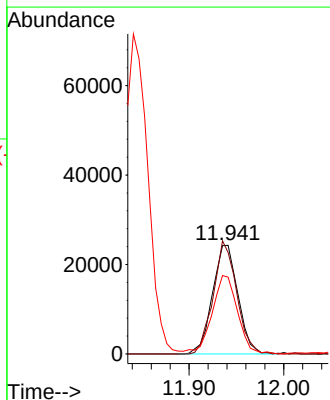
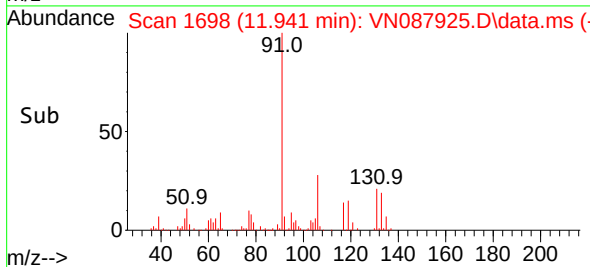
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

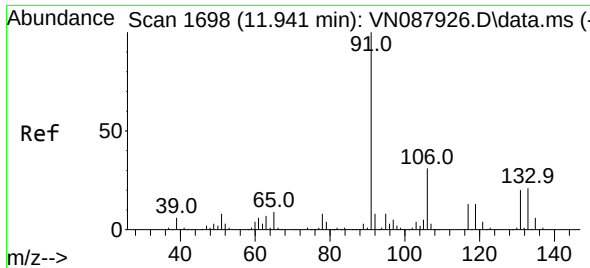


#66
1,1,1,2-Tetrachloroethane
Concen: 13.980 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion:131 Resp: 45283
Ion Ratio Lower Upper
131 100
133 95.9 48.4 145.0
119 72.4 31.9 95.5





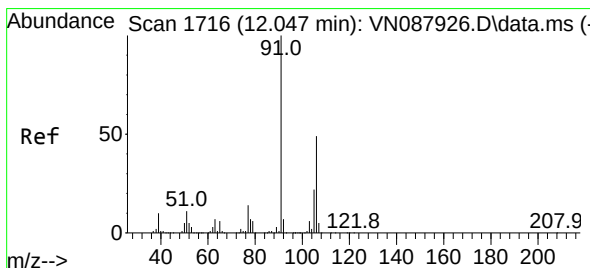
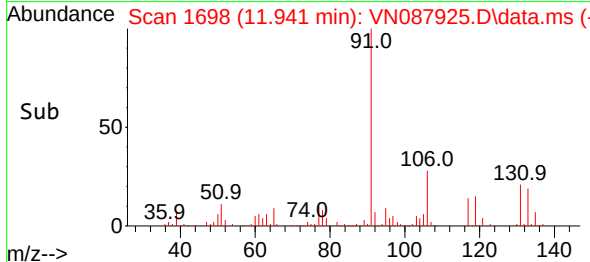
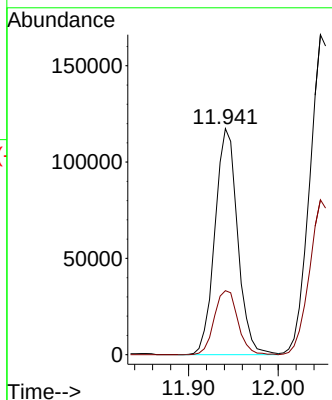
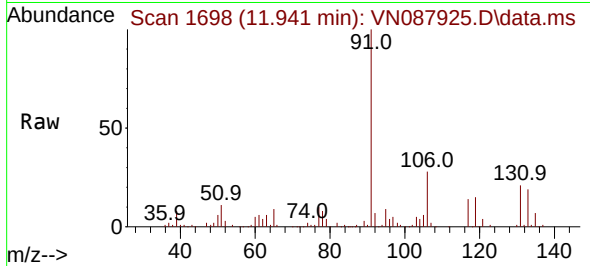
#67
Ethyl Benzene
Concen: 14.317 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 206320
Ion Ratio Lower Upper
91 100
106 28.3 25.2 37.8

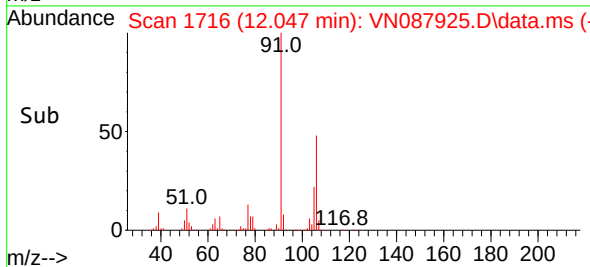
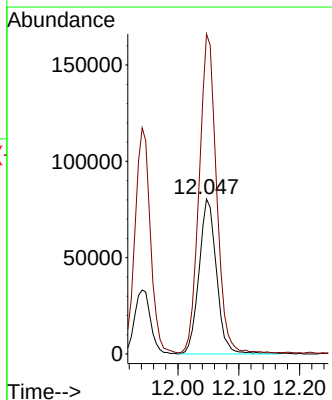
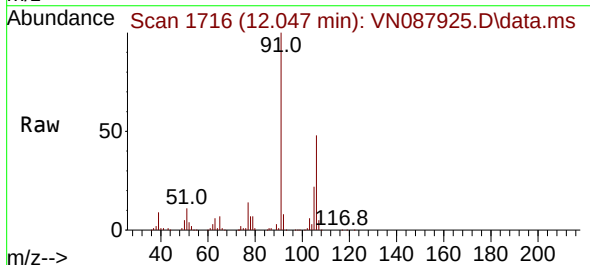
Manual Integrations
APPROVED

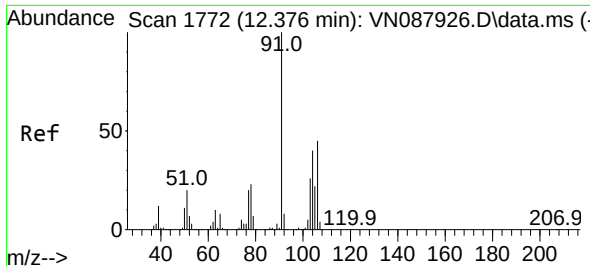
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#68
m/p-Xylenes
Concen: 29.081 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

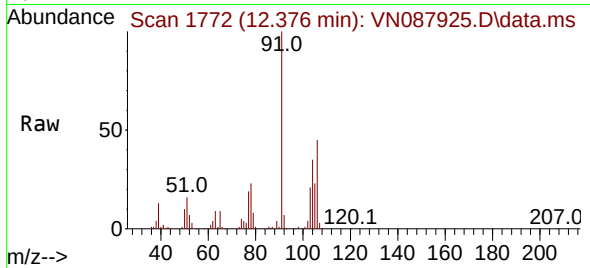
Tgt Ion:106 Resp: 160320
Ion Ratio Lower Upper
106 100
91 204.2 162.9 244.3





#69
o-Xylene
Concen: 14.272 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

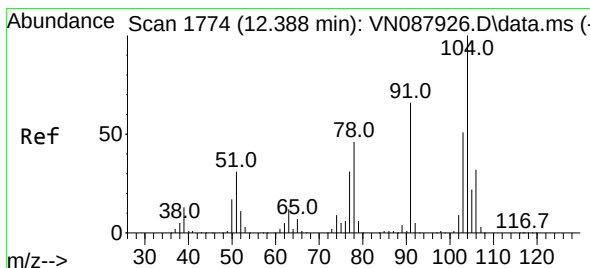
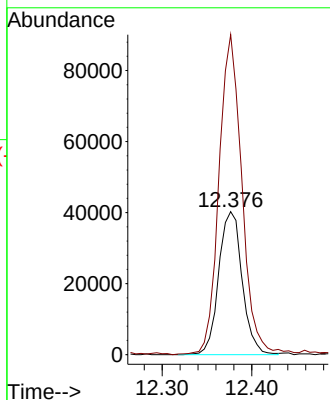
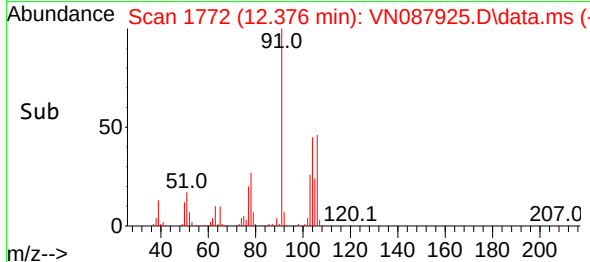
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



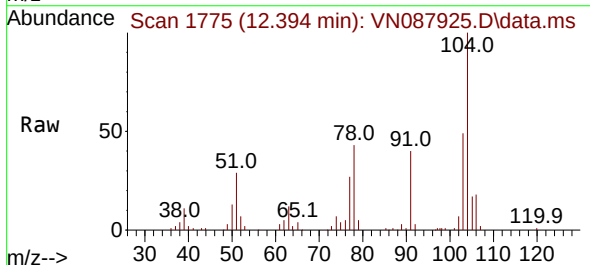
Tgt Ion:106 Resp: 73150
Ion Ratio Lower Upper
106 100
91 219.2 108.2 324.6

Manual Integrations
APPROVED

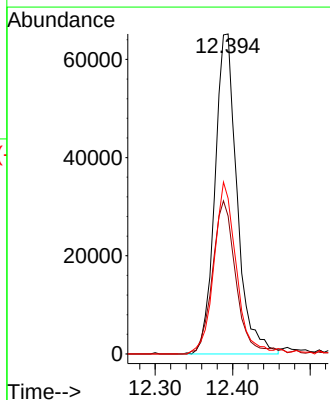
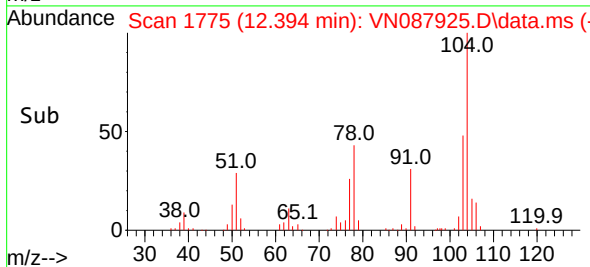
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

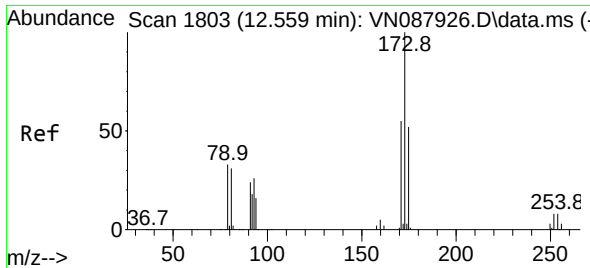


#70
Styrene
Concen: 14.884 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



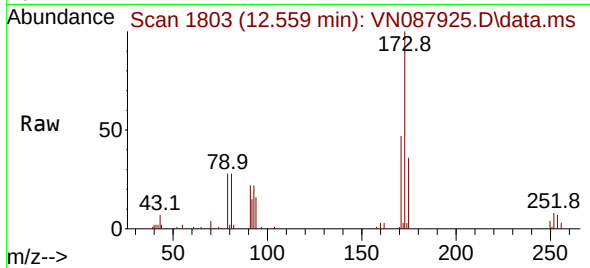
Tgt Ion:104 Resp: 129670
Ion Ratio Lower Upper
104 100
78 50.9 39.7 59.5
103 53.6 44.6 67.0





#71
Bromoform
Concen: 14.445 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

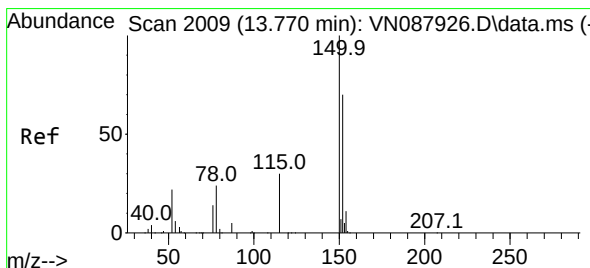
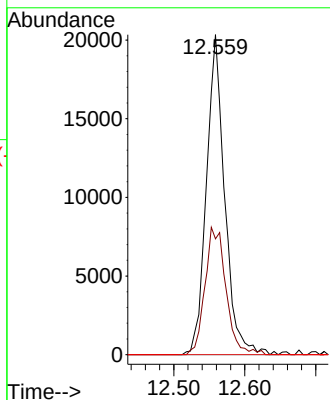
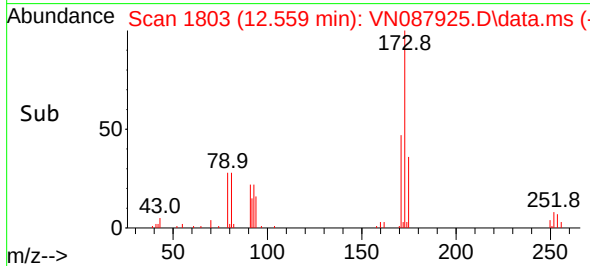
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



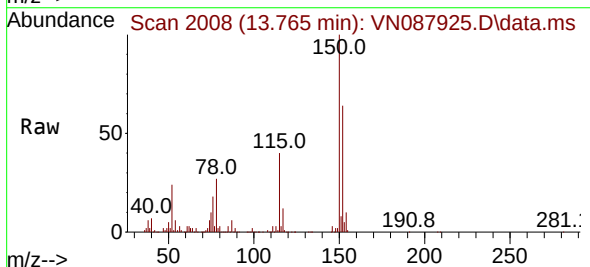
Tgt Ion:173 Resp: 36434
Ion Ratio Lower Upper
173 100
175 45.7 23.7 71.1
254 0.0 0.1 0.1

Manual Integrations
APPROVED

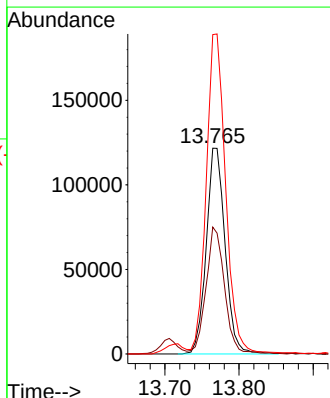
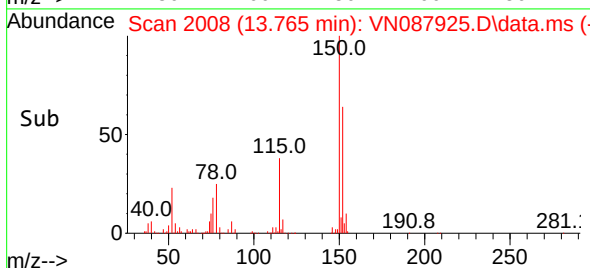
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

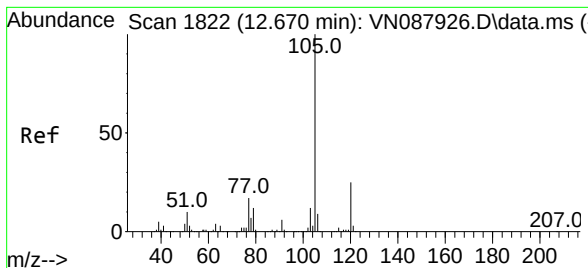


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion:152 Resp: 215472
Ion Ratio Lower Upper
152 100
115 60.6 29.9 89.7
150 158.1 0.0 335.0





#73

Isopropylbenzene

Concen: 14.013 ug/l

RT: 12.670 min Scan# 1822

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 18701

Ion Ratio Lower Upper

105 100

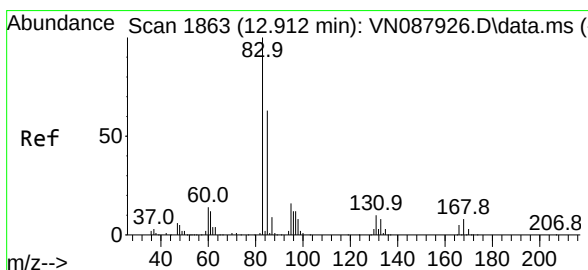
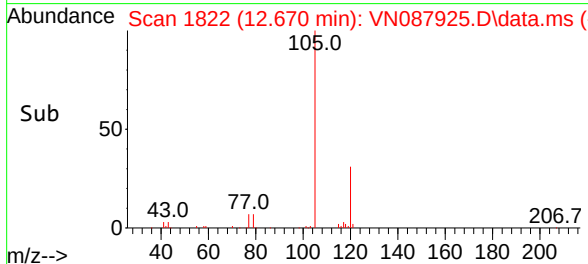
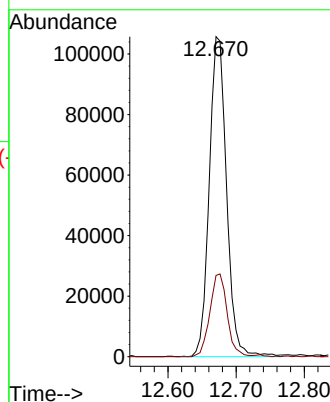
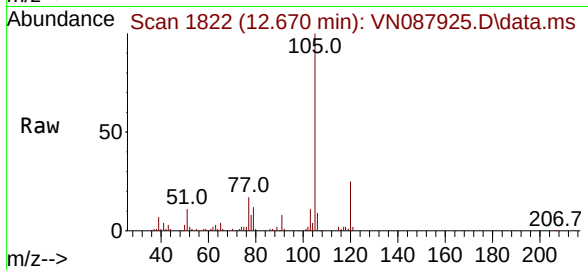
120 25.8 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 14.270 ug/l

RT: 12.912 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VN087925.D

Acq: 23 Sep 2025 09:54

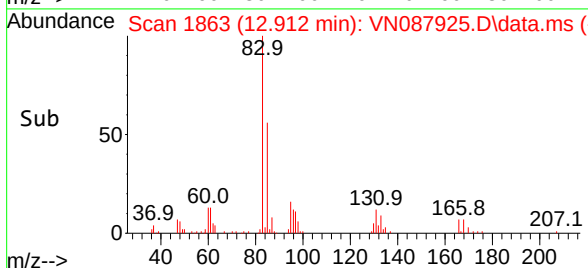
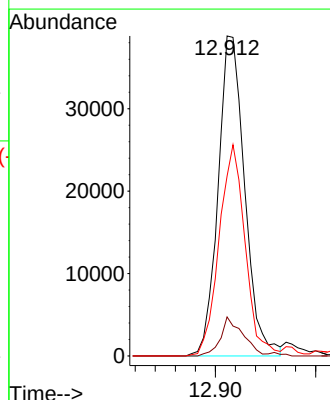
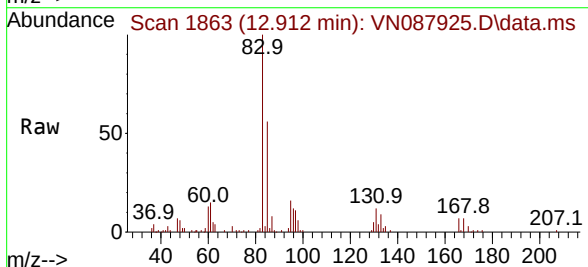
Tgt Ion: 83 Resp: 71434

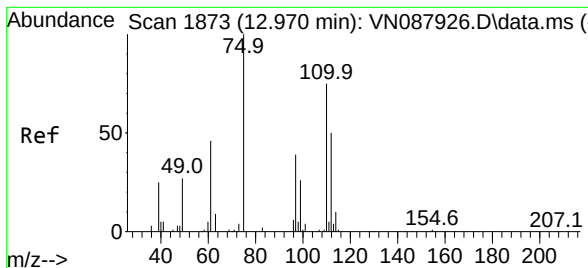
Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

85 64.4 32.4 97.0





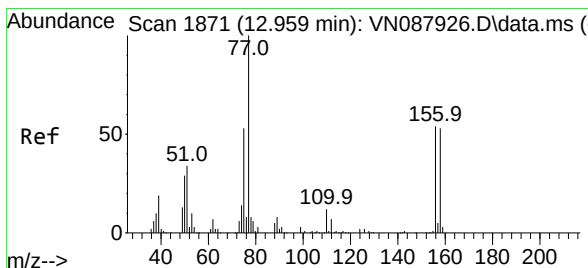
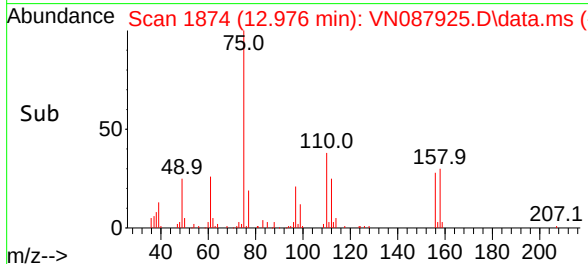
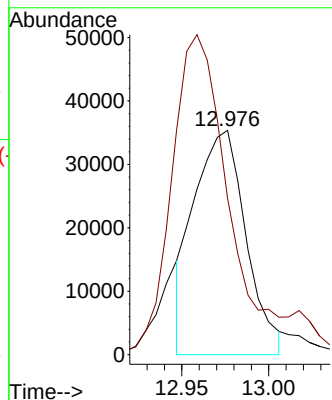
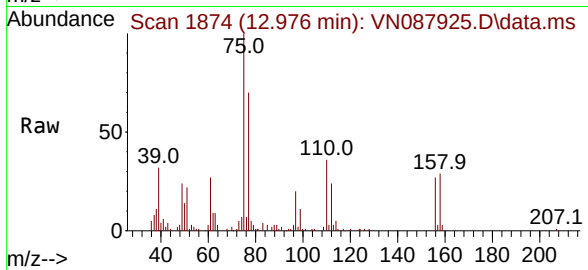
#76
1,2,3-Trichloropropane
Concen: 12.356 ug/l m
RT: 12.976 min Scan# 1873
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 73502
Ion Ratio Lower Upper
75 100
77 168.1 89.5 268.5

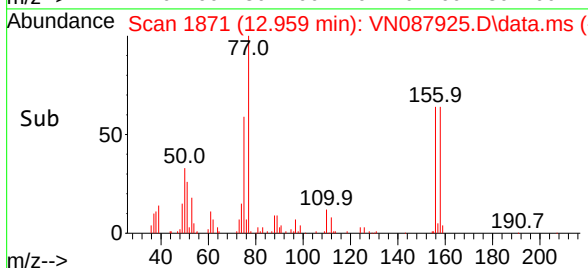
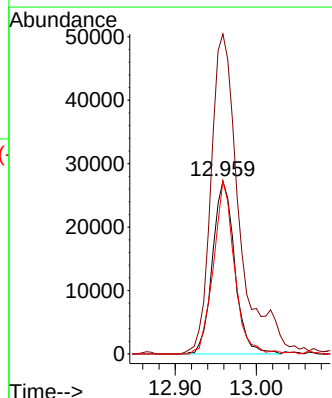
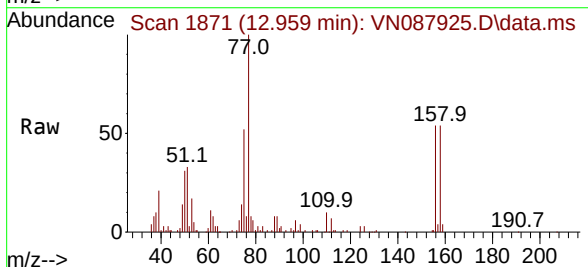
Manual Integrations
APPROVED

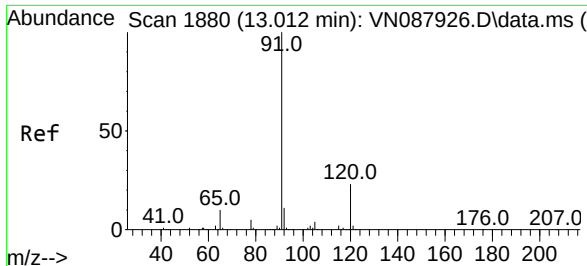
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#77
Bromobenzene
Concen: 14.533 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

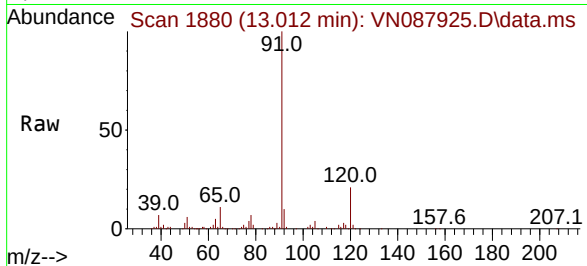
Tgt Ion:156 Resp: 51627
Ion Ratio Lower Upper
156 100
77 239.4 108.2 324.6
158 95.3 49.6 149.0





#78
n-propylbenzene
Concen: 14.327 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

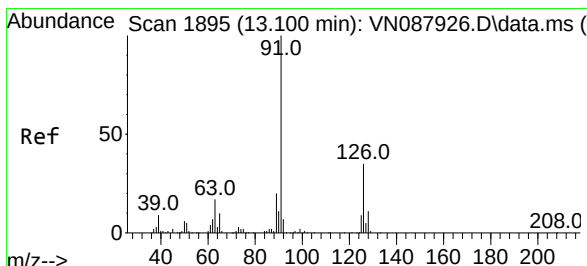
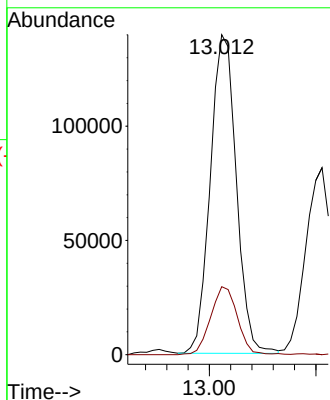
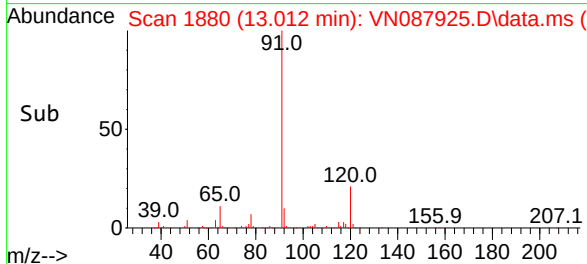
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



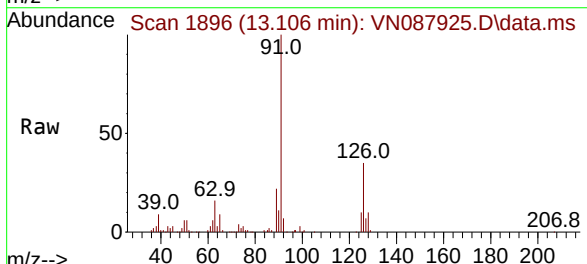
Tgt Ion: 91 Resp: 236370
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

Manual Integrations
APPROVED

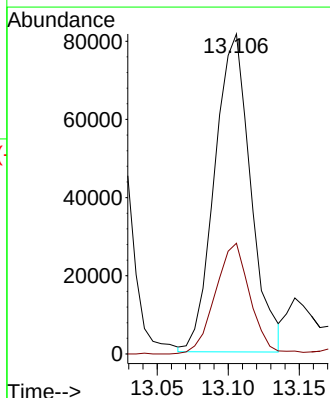
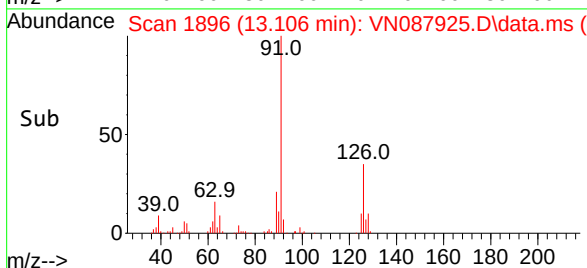
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

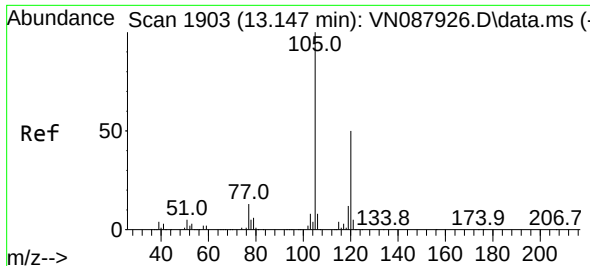


#79
2-Chlorotoluene
Concen: 13.831 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



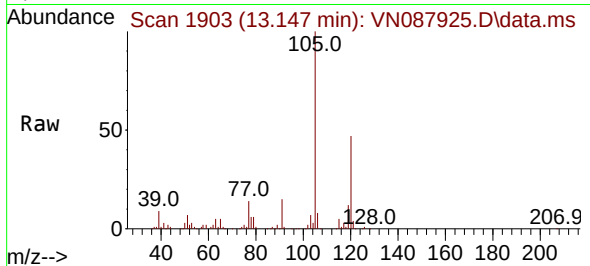
Tgt Ion: 91 Resp: 143982
Ion Ratio Lower Upper
91 100
126 33.5 16.6 49.8





#80
 1,3,5-Trimethylbenzene
 Concen: 14.562 ug/l
 RT: 13.147 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54

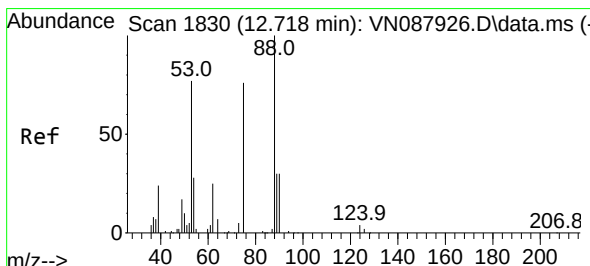
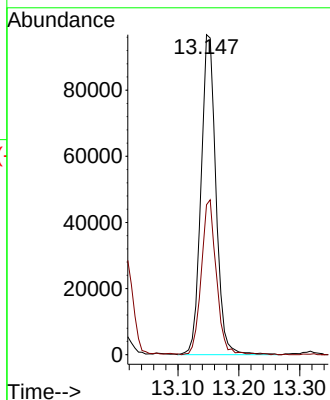
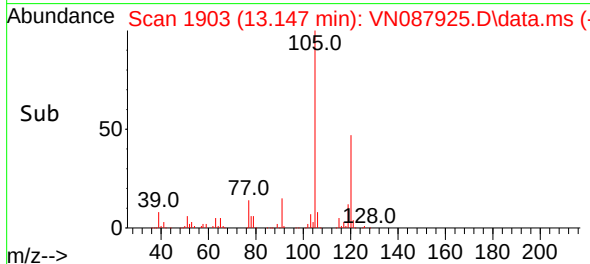
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



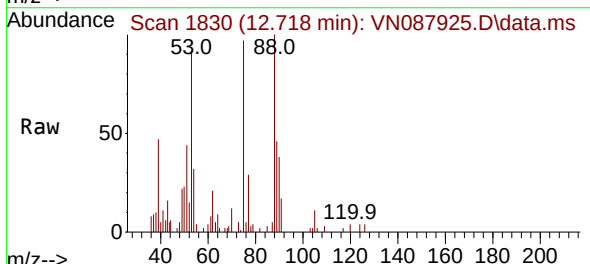
Tgt Ion:105 Resp: 164739
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.7 74.1

Manual Integrations
 APPROVED

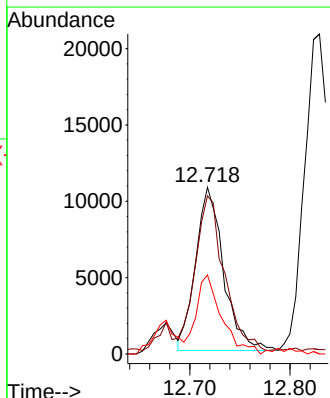
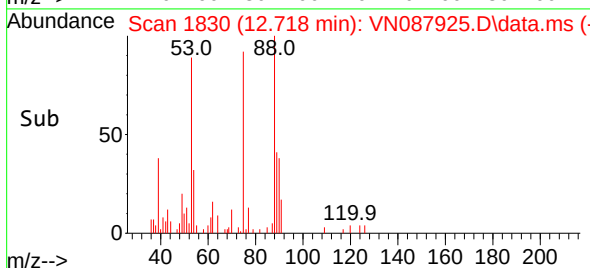
Reviewed By :John Carlone 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

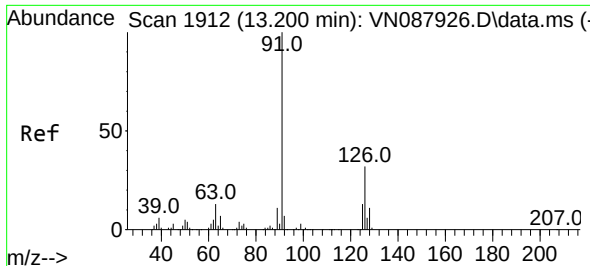


#81
 trans-1,4-Dichloro-2-butene
 Concen: 13.587 ug/l
 RT: 12.718 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54



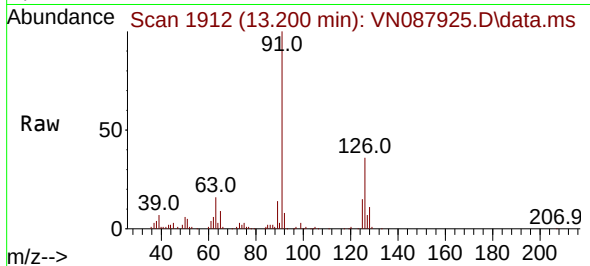
Tgt Ion: 75 Resp: 20782
 Ion Ratio Lower Upper
 75 100
 53 100.6 82.0 123.0
 89 43.7 36.1 54.1





#82
4-Chlorotoluene
Concen: 15.272 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

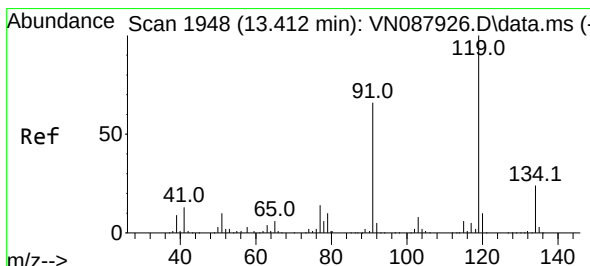
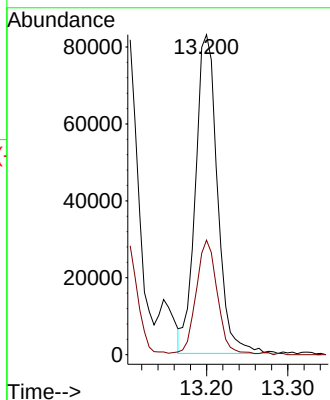
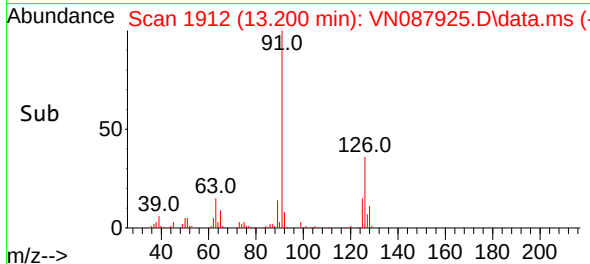
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 91 Resp: 156430
Ion Ratio Lower Upper
91 100
126 33.9 16.9 50.6

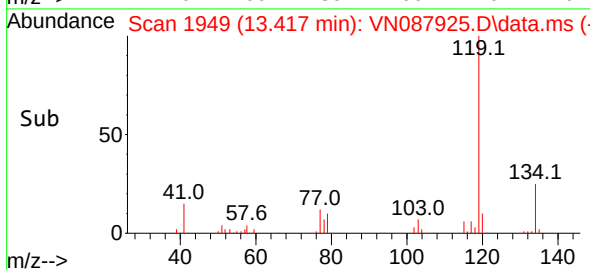
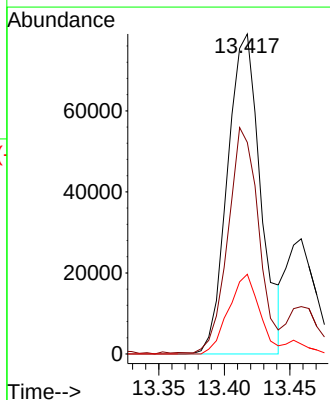
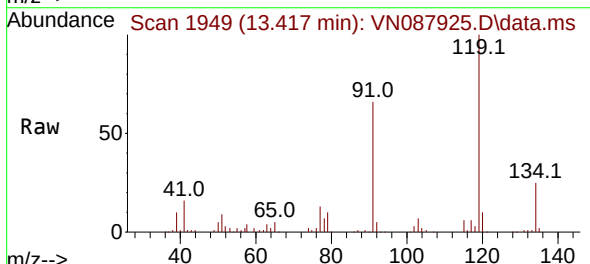
Manual Integrations
APPROVED

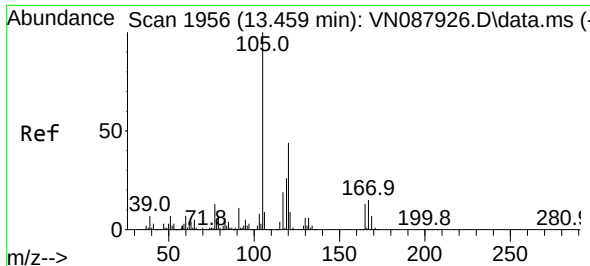
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#83
tert-Butylbenzene
Concen: 14.316 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

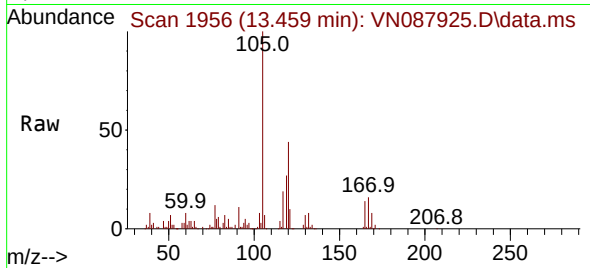
Tgt Ion:119 Resp: 138876
Ion Ratio Lower Upper
119 100
91 65.1 32.1 96.3
134 23.2 12.3 36.8





#84
1,2,4-Trimethylbenzene
Concen: 14.959 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

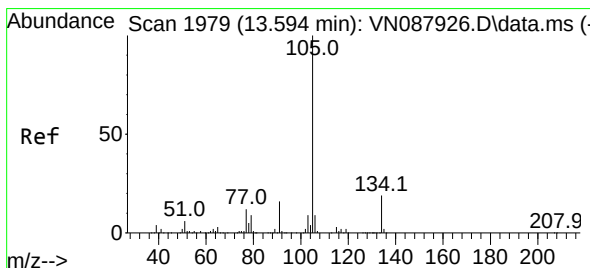
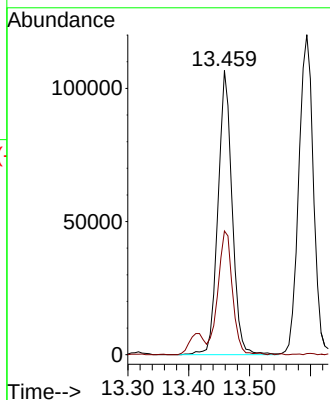
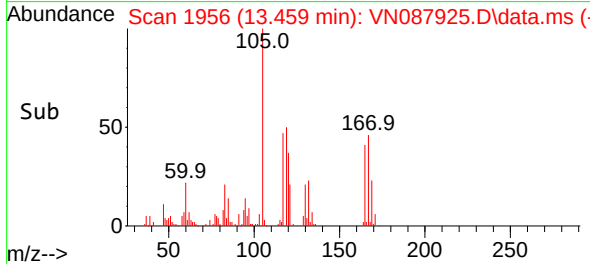
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



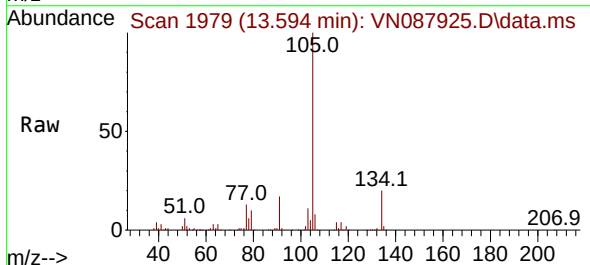
Tgt Ion:105 Resp: 171915
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3

Manual Integrations
APPROVED

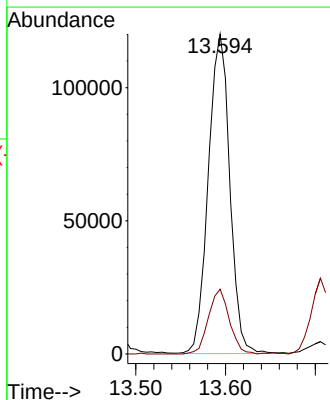
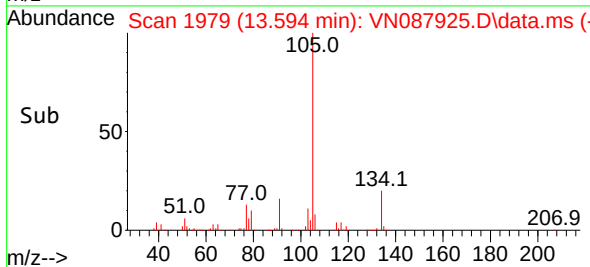
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

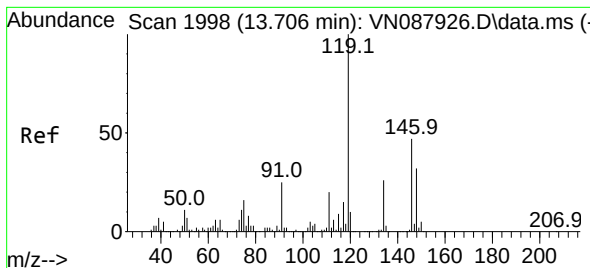


#85
sec-Butylbenzene
Concen: 14.388 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



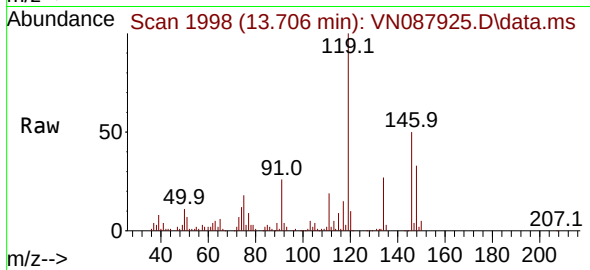
Tgt Ion:105 Resp: 199683
Ion Ratio Lower Upper
105 100
134 19.6 9.6 28.8





#86
p-Isopropyltoluene
Concen: 14.126 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

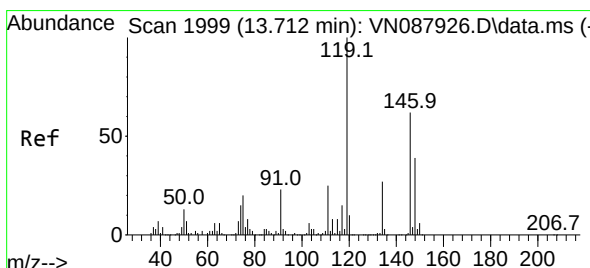
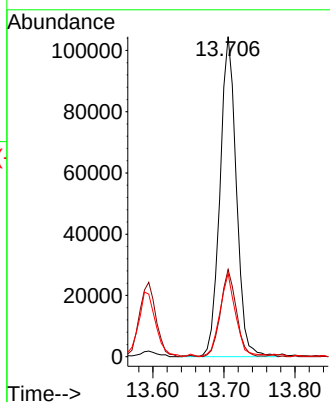
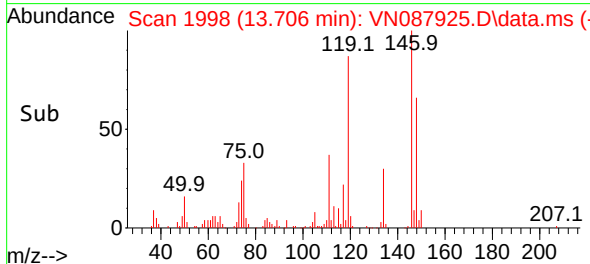
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



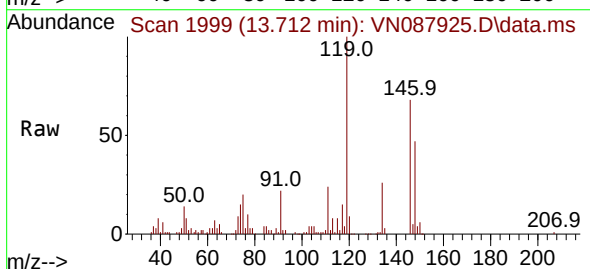
Tgt Ion:119 Resp: 167240
Ion Ratio Lower Upper
119 100
134 26.2 13.1 39.3
91 25.3 11.9 35.5

Manual Integrations
APPROVED

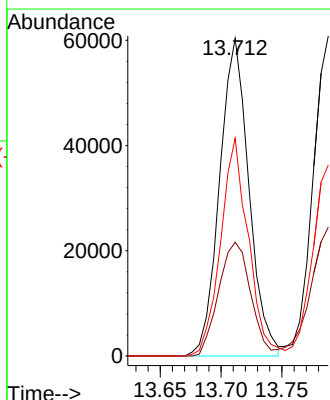
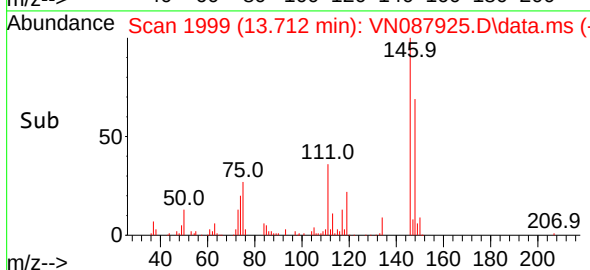
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

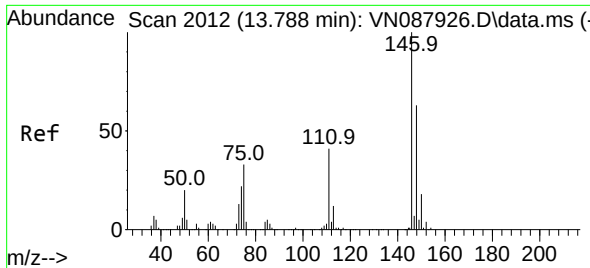


#87
1,3-Dichlorobenzene
Concen: 14.581 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



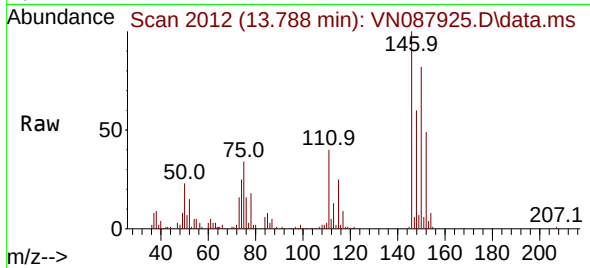
Tgt Ion:146 Resp: 101180
Ion Ratio Lower Upper
146 100
111 39.3 20.3 60.8
148 64.9 32.4 97.2





#88
1,4-Dichlorobenzene
Concen: 14.056 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

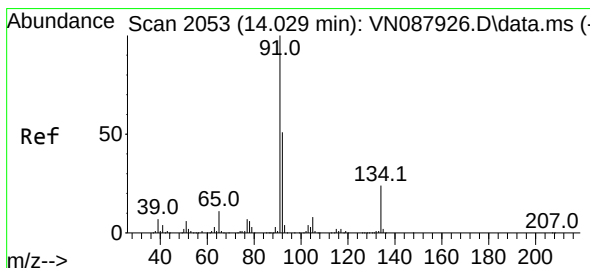
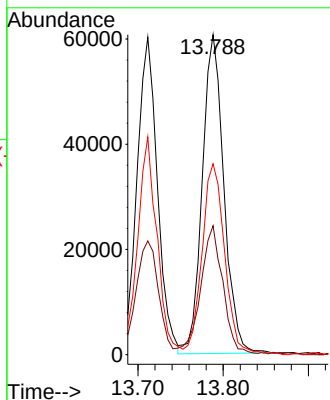
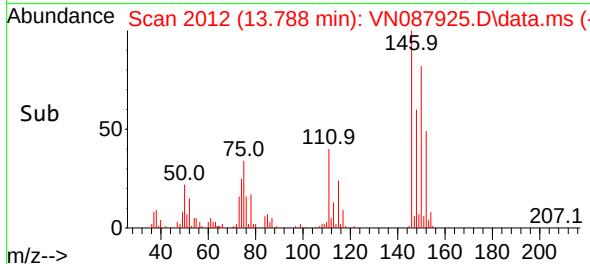
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



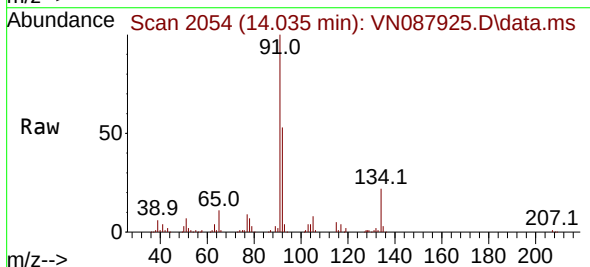
Tgt Ion:146 Resp: 106539
Ion Ratio Lower Upper
146 100
111 40.7 20.5 61.5
148 63.1 32.8 98.4

Manual Integrations
APPROVED

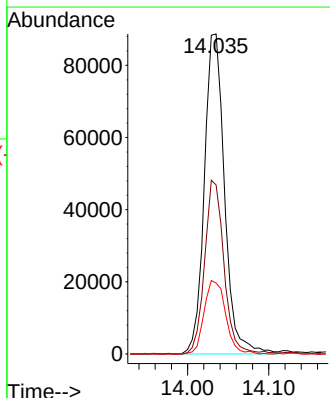
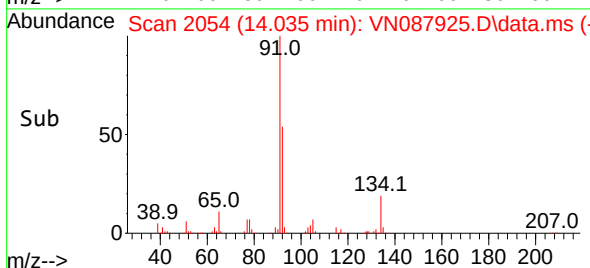
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

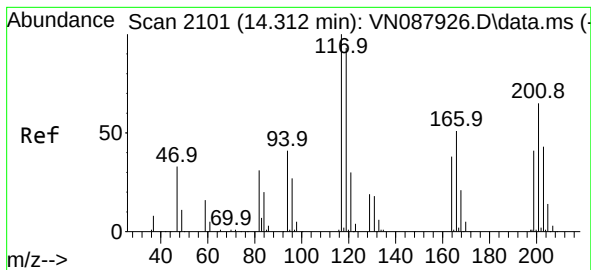


#89
n-Butylbenzene
Concen: 13.529 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



Tgt Ion: 91 Resp: 153828
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.8
134 24.3 12.6 37.8





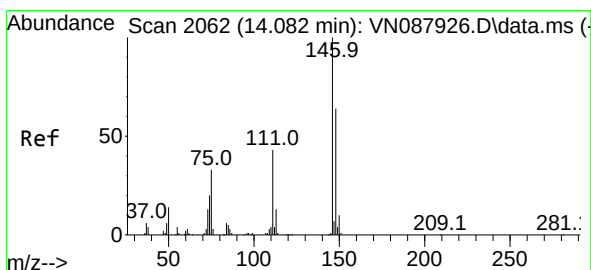
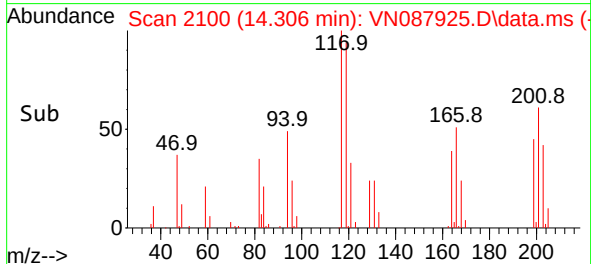
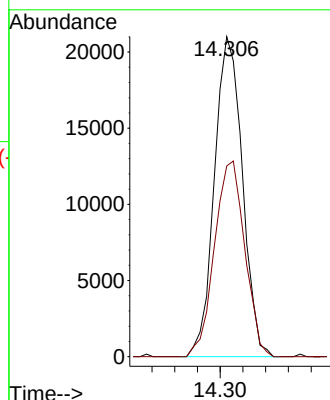
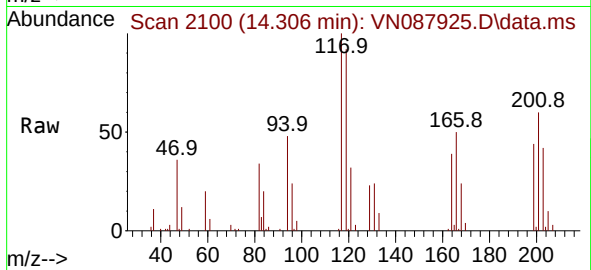
#90
Hexachloroethane
Concen: 13.511 ug/l
RT: 14.306 min Scan# 2101
Delta R.T. -0.006 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 35924
Ion Ratio Lower Upper
117 100
201 66.3 33.6 100.6

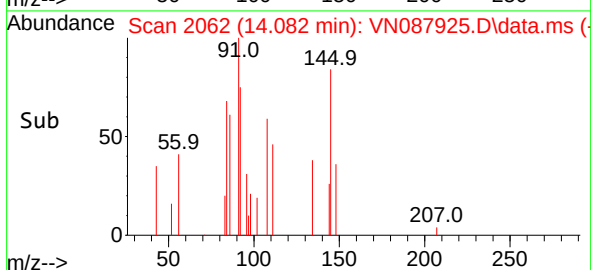
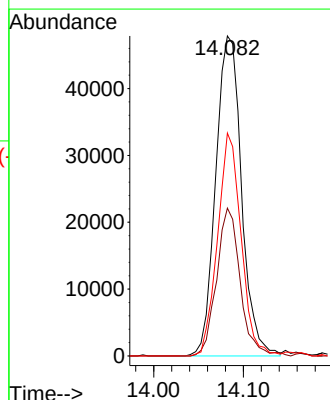
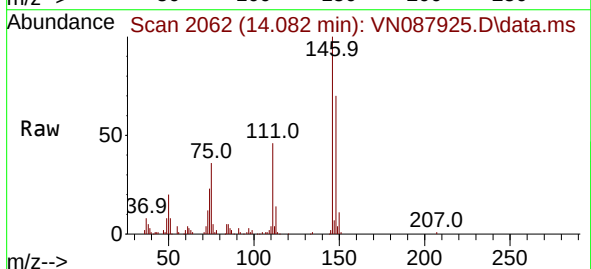
Manual Integrations
APPROVED

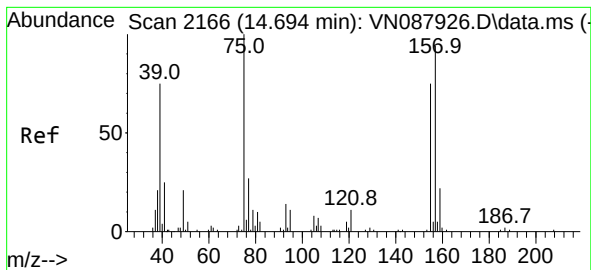
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#91
1,2-Dichlorobenzene
Concen: 14.043 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Tgt Ion:146 Resp: 95556
Ion Ratio Lower Upper
146 100
111 42.3 20.9 62.7
148 63.5 31.9 95.9





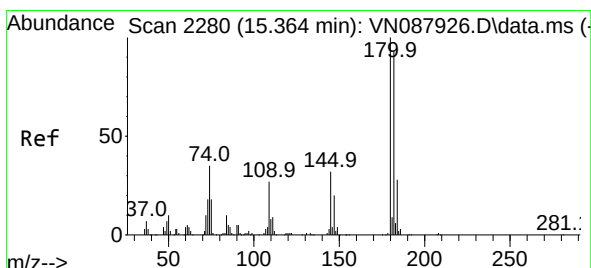
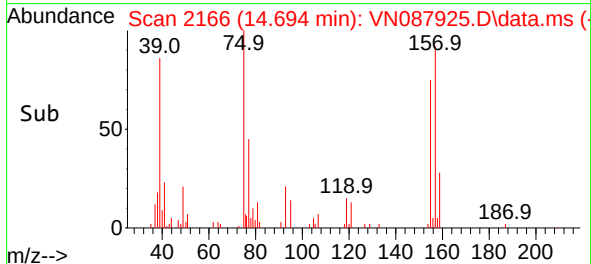
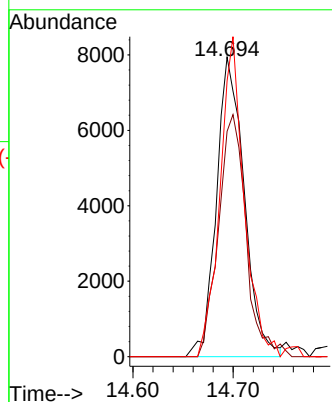
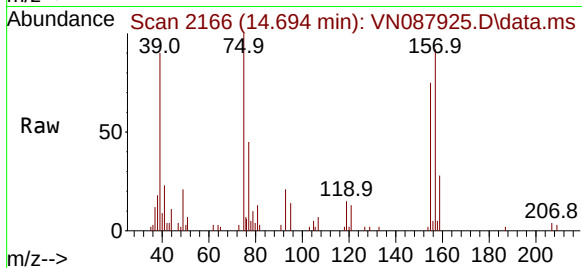
#92
1,2-Dibromo-3-Chloropropane
Concen: 13.728 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 15314
Ion Ratio Lower Upper
75 100
155 79.9 40.2 120.6
157 92.5 50.9 152.7

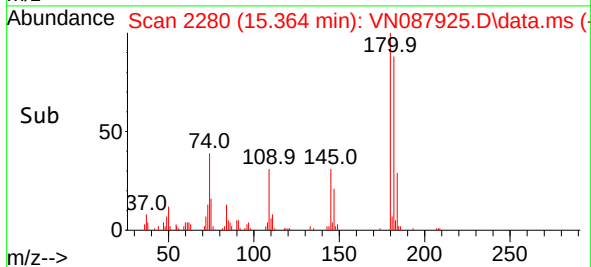
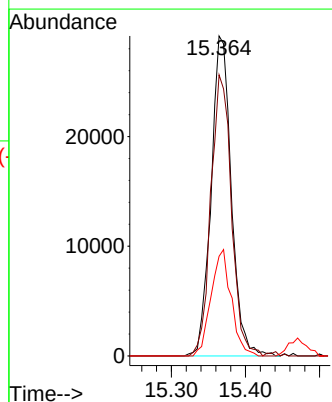
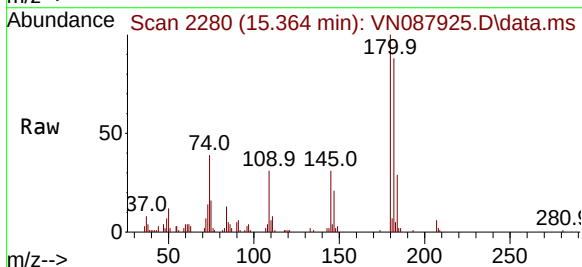
Manual Integrations
APPROVED

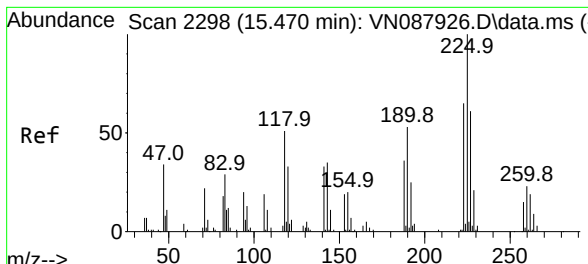
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#93
1,2,4-Trichlorobenzene
Concen: 13.702 ug/l
RT: 15.364 min Scan# 2280
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Tgt Ion:180 Resp: 55204
Ion Ratio Lower Upper
180 100
182 89.1 48.5 145.5
145 33.3 15.9 47.6





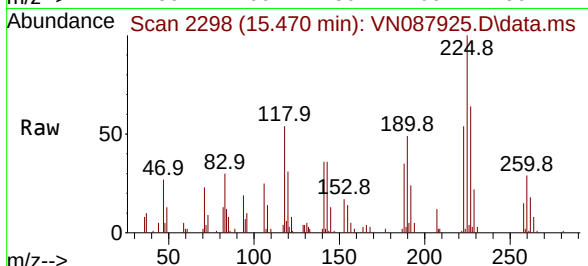
#94
Hexachlorobutadiene
Concen: 14.119 ug/l
RT: 15.470 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020



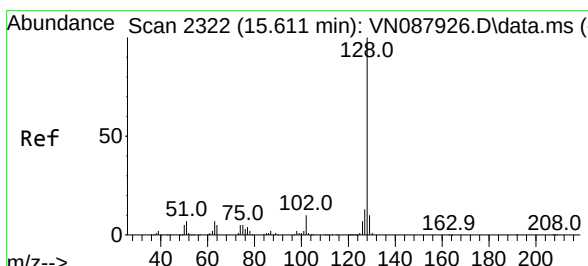
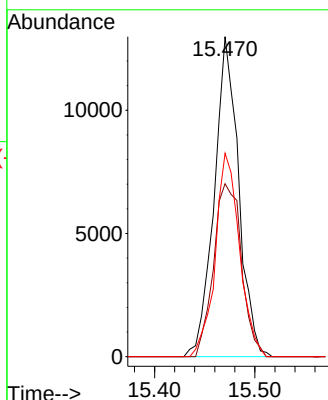
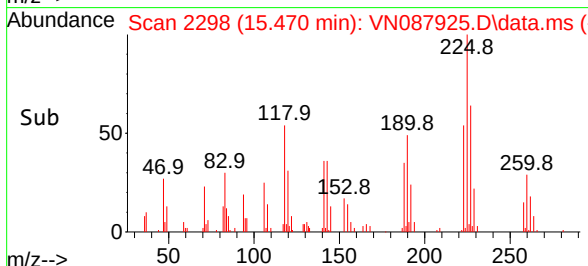
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.8	95.4
227	63.2	31.9	95.9

Manual Integrations

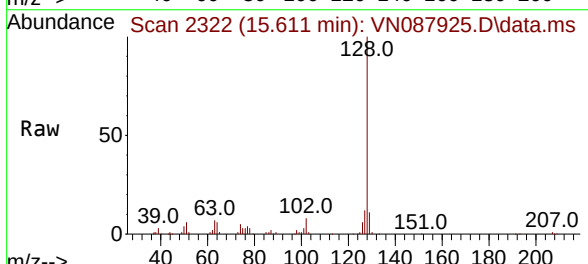
APPROVED

Reviewed By :John Carlone 09/24/2025

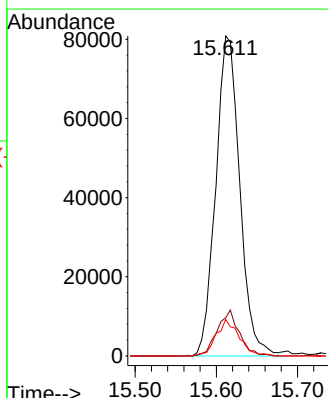
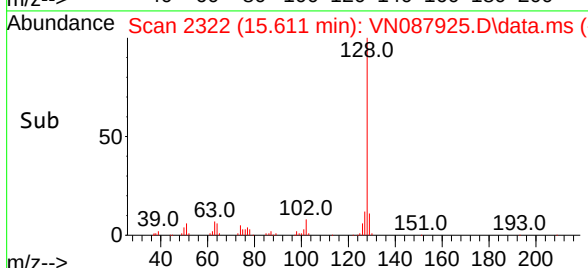
Supervised By :Mahesh Dadoda 09/26/2025

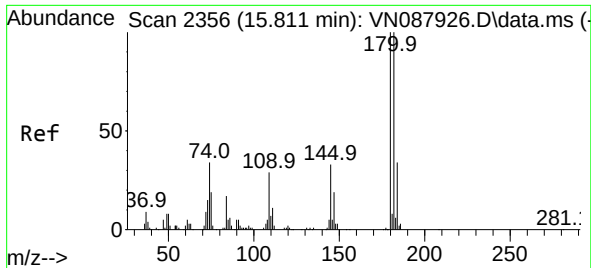


#95
Naphthalene
Concen: 13.486 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087925.D
Acq: 23 Sep 2025 09:54



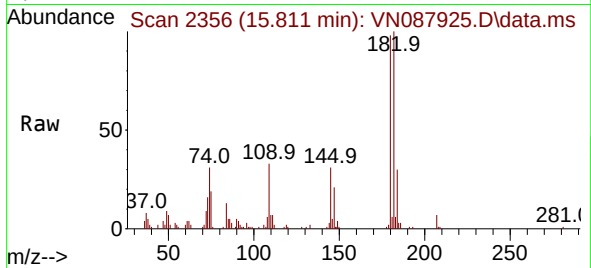
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 14.028 ug/l
 RT: 15.811 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087925.D
 Acq: 23 Sep 2025 09:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	33.3	16.1	48.3

Manual Integrations
 APPROVED

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