

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
 Data File : VN087416.D
 Acq On : 24 Jul 2025 14:11
 Operator : JC\MD
 Sample : Q2683-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001MSD

Quant Time: Jul 25 04:55:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:11:26 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	26267	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	126821	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	118092	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	64897	29.957	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.829	95	56400	28.627	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.433%		
63) Toluene-d8	10.547	98	162744	30.303	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	32269	20.078	ug/l	89
3) Chloromethane	2.383	50	30336	19.003	ug/l	90
4) Vinyl Chloride	2.542	62	33454	19.014	ug/l	93
5) Bromomethane	2.989	94	23393	21.486	ug/l	89
6) Chloroethane	3.136	64	26556	19.640	ug/l	87
7) Trichlorofluoromethane	3.512	101	64639	21.603	ug/l	96
8) Diethyl Ether	3.965	74	24626	20.676	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	32309m	20.375	ug/l	
10) 1,1-Dichloroethene	4.336	96	32258m	19.595	ug/l	
11) Methyl Iodide	4.589	142	17731m	14.765	ug/l	
12) Methyl Acetate	5.024	43	44874	20.956	ug/l	94
13) Acrolein	4.177	56	39485	101.429	ug/l	97
14) Acrylonitrile	5.712	53	91185	93.247	ug/l	97
15) Acetone	4.418	58	39348m	113.970	ug/l	
16) Carbon Disulfide	4.706	76	78446	18.451	ug/l	97
17) Allyl chloride	5.018	41	37655	16.697	ug/l	85
18) Methylene Chloride	5.265	84	32737	19.648	ug/l #	83
19) trans-1,2-Dichloroethene	5.777	96	29698	18.369	ug/l	97
20) Diisopropyl ether	6.659	45	97188	17.042	ug/l	98
21) 1,1-Dichloroethane	6.559	63	56912	18.685	ug/l	94
22) cis-1,2-Dichloroethene	7.477	96	35505	18.749	ug/l	96
23) tert-Butyl Alcohol	5.518	59	35836m	106.926	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	99287	18.663	ug/l	97
25) Chloroform	7.953	83	67763	20.313	ug/l	98
26) Cyclohexane	8.247	56	40796	17.966	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	37492	17.328	ug/l	96
30) 2-Butanone	7.477	43	137770	93.494	ug/l	100
31) 2,2-Dichloropropane	7.477	77	51342	18.068	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	54434	19.222	ug/l #	86
33) Carbon Tetrachloride	8.347	117	46836	19.038	ug/l #	87
34) Benzene	8.588	78	125507	17.960	ug/l	97
35) Methacrylonitrile	7.759	41	27883	17.994	ug/l	82
36) 1,2-Dichloroethane	8.653	62	52407	19.010	ug/l #	92
37) Trichloroethene	9.335	130	30786	19.304	ug/l	93
38) Methylcyclohexane	9.582	83	40521	17.716	ug/l	96
39) 1,2-Dichloropropane	9.606	63	31271	17.812	ug/l #	86
40) Dibromomethane	9.688	93	25768	18.971	ug/l	97
41) Bromodichloromethane	9.871	83	52841	19.594	ug/l	87
42) Vinyl Acetate	6.594	43	412737	82.684	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	46166	15.389	ug/l #	83
44) Isopropyl Acetate	8.677	43	83852	17.706	ug/l	98
45) 1,4-Dioxane	9.682	88	11209	384.155	ug/l #	59
46) Methyl methacrylate	9.659	41	37753	17.311	ug/l	98
47) n-amyl Acetate	12.518	43	39677m	13.980	ug/l	
48) t-1,3-Dichloropropene	10.812	75	50888	17.688	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	52859	18.372	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	32304	18.415	ug/l	94
51) Ethyl methacrylate	10.859	69	46574	17.362	ug/l	98
52) 1,3-Dichloropropane	11.141	76	52633	17.451	ug/l	97
53) Dibromochloromethane	11.341	129	41201	20.040	ug/l	100
54) 1,2-Dibromoethane	11.453	107	33325	18.534	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	113429	76.010	ug/l	99
56) Bromoform	12.559	173	26407	18.059	ug/l	98
58) 4-Methyl-2-Pentanone	10.429	43	285168	98.754	ug/l	99
59) 2-Hexanone	11.182	43	183063	93.922	ug/l	99
61) Tetrachloroethene	11.082	164	24902	18.883	ug/l #	89
62) Toluene	10.612	91	135115	18.787	ug/l	99
64) Chlorobenzene	11.871	112	88134	19.168	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.935	131	32039	19.067	ug/l	95
66) Ethyl Benzene	11.947	91	140183	18.004	ug/l	94
67) m/p-Xylenes	12.053	106	109964	35.687	ug/l	98
68) o-Xylene	12.376	106	50281	17.011	ug/l	93
69) Styrene	12.388	104	87132	16.943	ug/l	97
70) Isopropylbenzene	12.676	105	128594	17.274	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	50220	19.177	ug/l	95
72) 1,2,3-Trichloropropane	12.976	75	48541m	20.749	ug/l	
73) Bromobenzene	12.965	156	35449	18.295	ug/l	97
74) n-propylbenzene	13.012	91	164804	17.531	ug/l	99
75) 2-Chlorotoluene	13.106	91	100061	17.722	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	113721	17.563	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	15810	16.910	ug/l	91
78) 4-Chlorotoluene	13.200	91	106841	17.743	ug/l	100
79) tert-butylbenzene	13.417	119	92847	16.884	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	114320	17.295	ug/l	98
81) sec-Butylbenzene	13.594	105	138278	17.423	ug/l	97
82) p-Isopropyltoluene	13.712	119	114161	16.760	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	67551	17.303	ug/l	96
84) 1,4-Dichlorobenzene	13.794	146	67619	17.548	ug/l	98
85) n-Butylbenzene	14.035	91	107410	17.122	ug/l	99
86) Hexachloroethane	14.312	117	25128	18.957	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	64472	17.540	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	10846	17.801	ug/l	94
89) 1,2,4-Trichlorobenzene	15.817	180	36816	17.363	ug/l	95
90) Hexachlorobutadiene	15.476	225	16815	19.226	ug/l	98
91) Naphthalene	15.617	128	125582	17.794	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	36816	17.363	ug/l	95

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

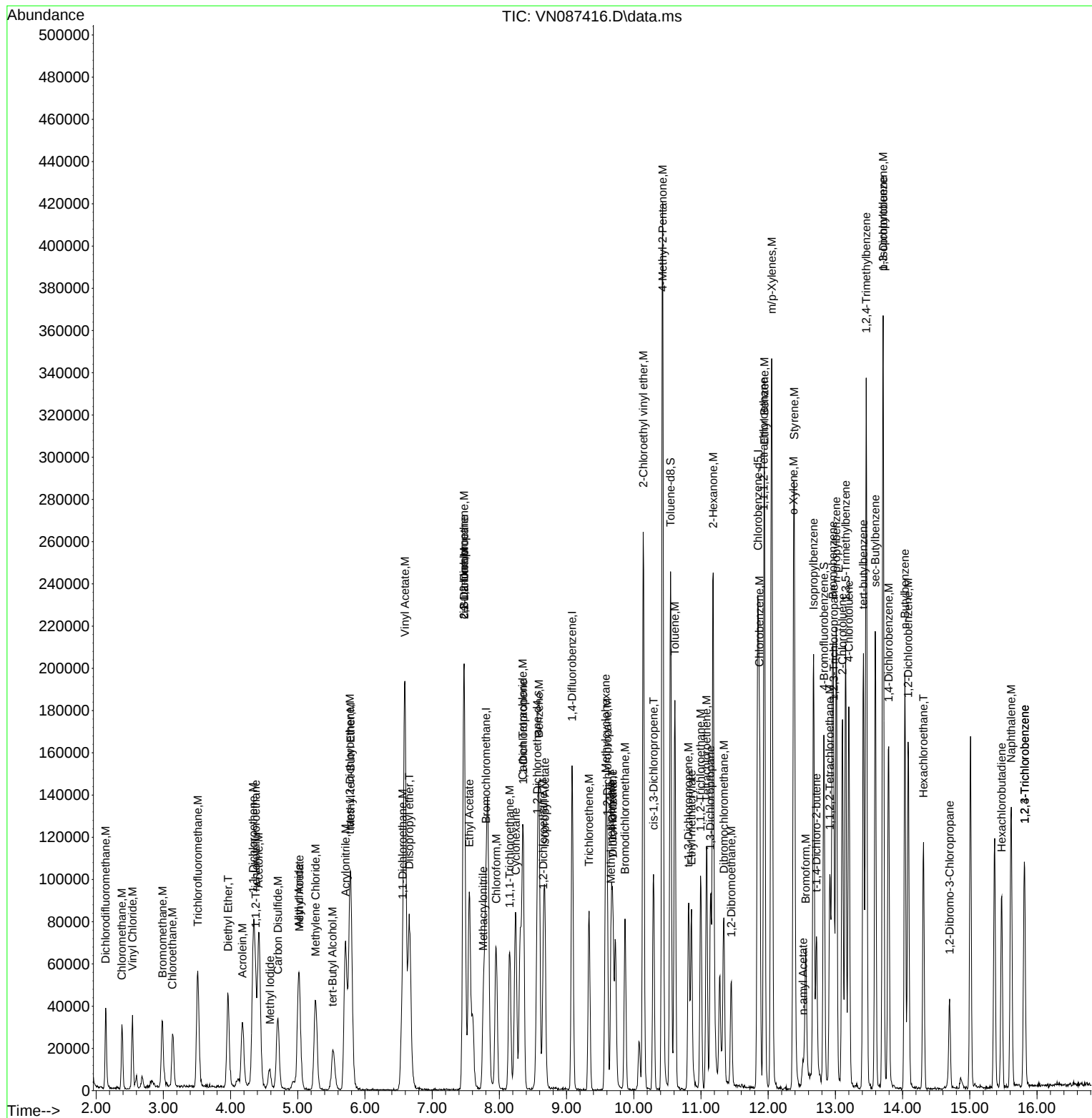
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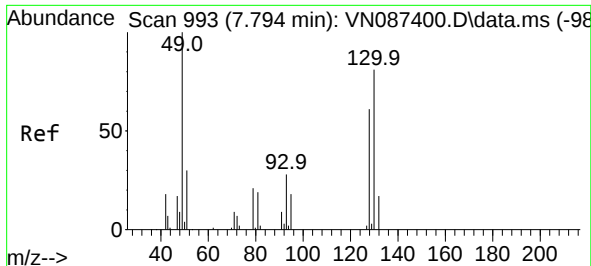
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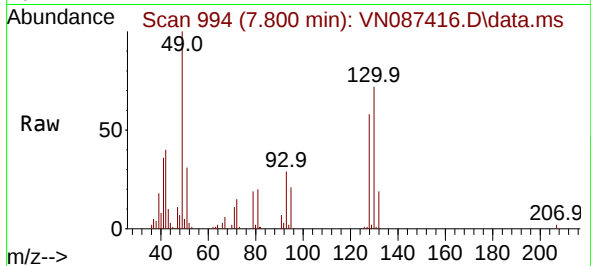
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

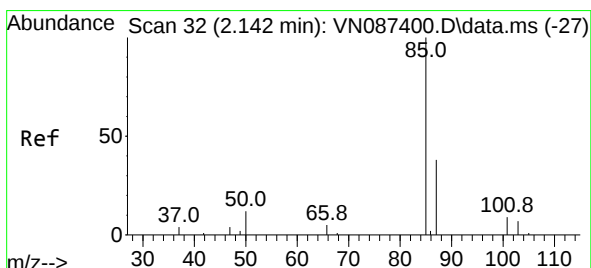
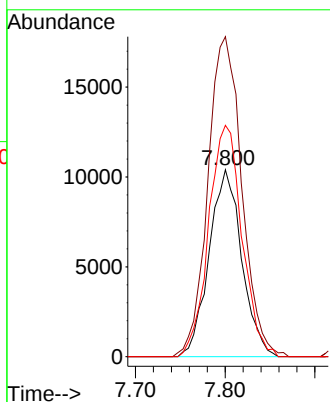
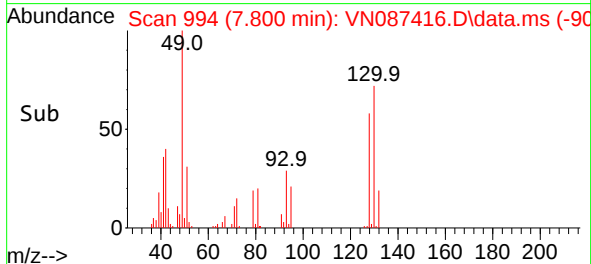
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:128 Resp: 2626
Ion Ratio Lower Upper
128 100
49 178.1 0.0 446.2
130 126.5 0.0 331.0

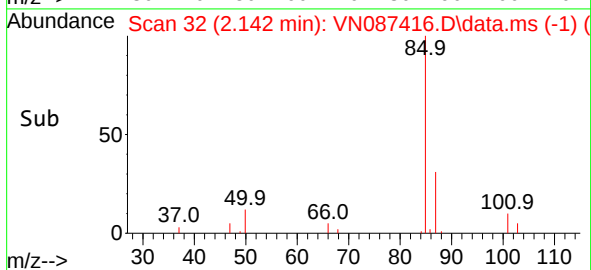
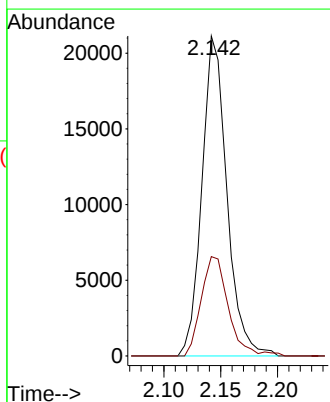
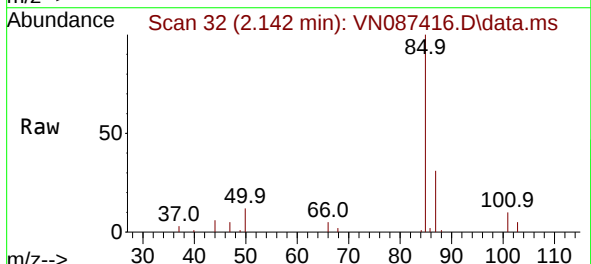
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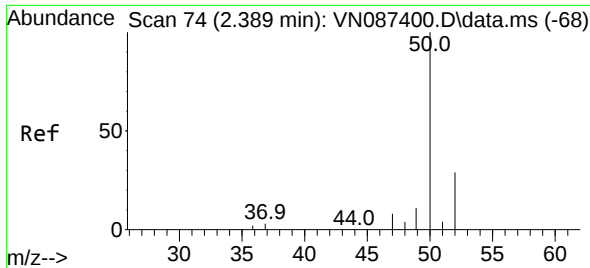
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#2
Dichlorodifluoromethane
Concen: 20.078 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 85 Resp: 32269
Ion Ratio Lower Upper
85 100
87 31.0 18.9 56.9





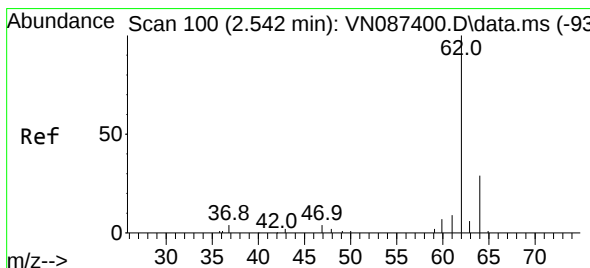
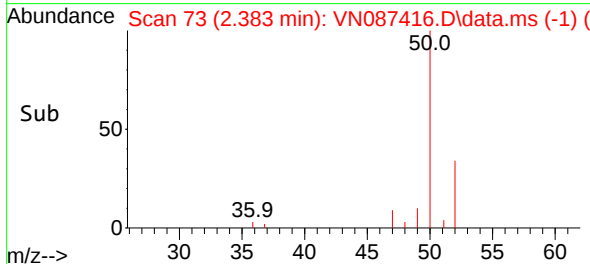
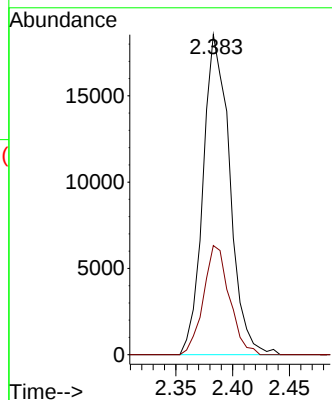
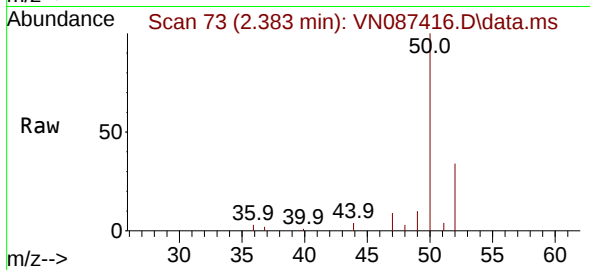
#3
Chloromethane
Concen: 19.003 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
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Tgt Ion: 50 Resp: 30336
Ion Ratio Lower Upper
50 100
52 34.1 23.2 34.8

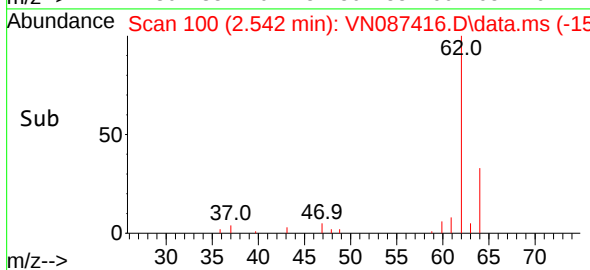
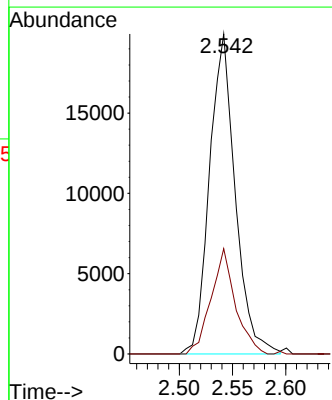
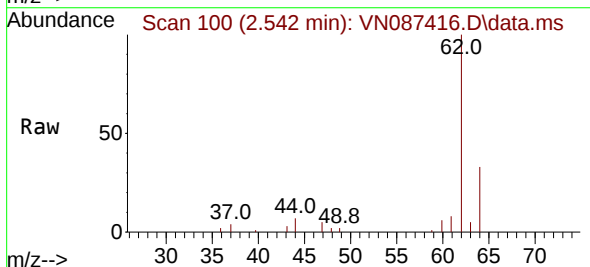
Manual Integrations
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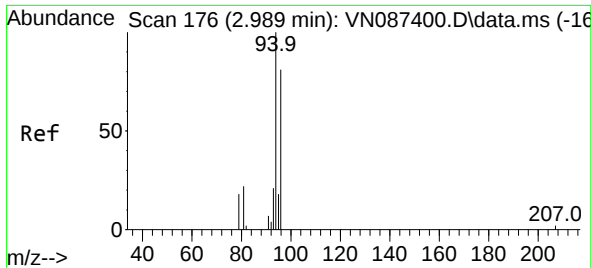
Reviewed By :John Carlone 07/25/2025
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#4
Vinyl Chloride
Concen: 19.014 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

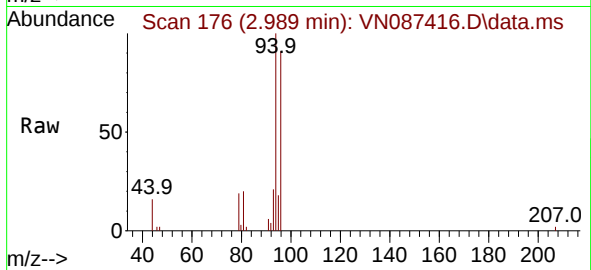
Tgt Ion: 62 Resp: 33454
Ion Ratio Lower Upper
62 100
64 32.9 23.2 34.8





#5
Bromomethane
Concen: 21.486 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

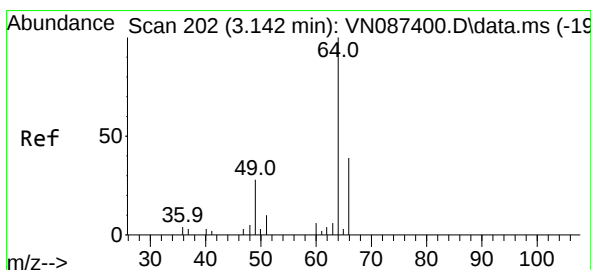
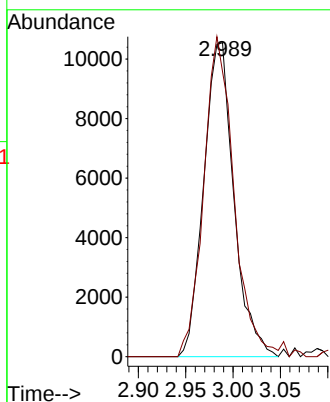
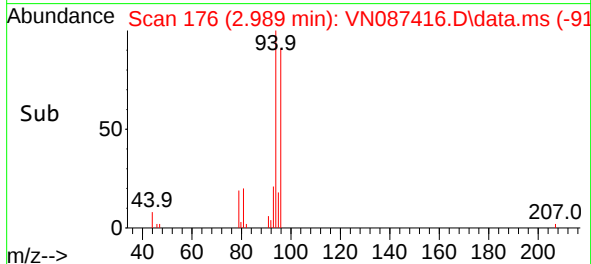
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 2339
Ion Ratio Lower Upper
94 100
96 90.8 64.6 96.8

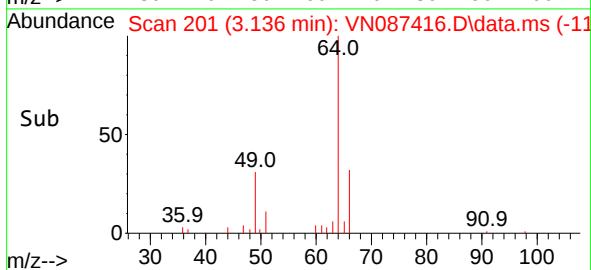
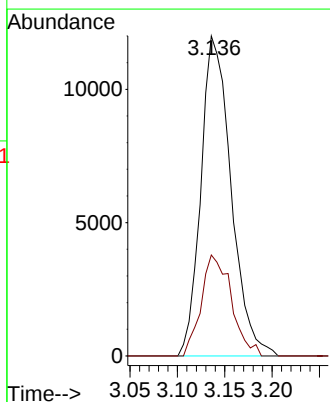
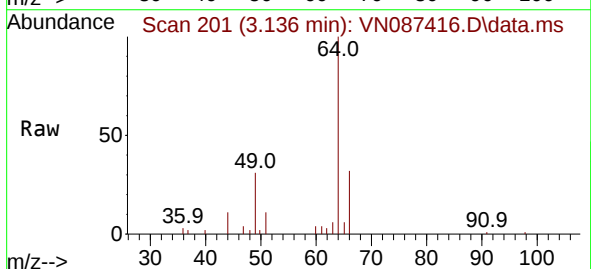
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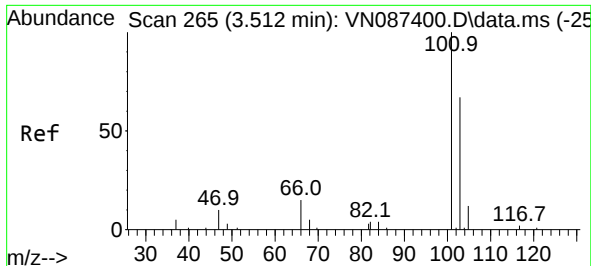
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#6
Chloroethane
Concen: 19.640 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087416.D
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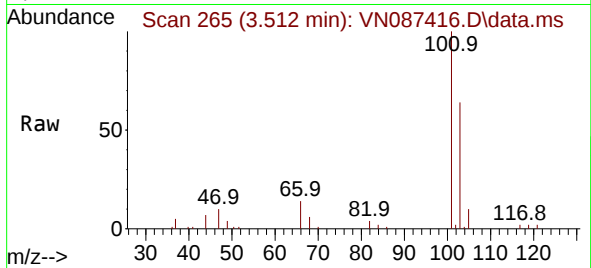
Tgt Ion: 64 Resp: 26556
Ion Ratio Lower Upper
64 100
66 31.6 31.4 47.2





#7
Trichlorofluoromethane
Concen: 21.603 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

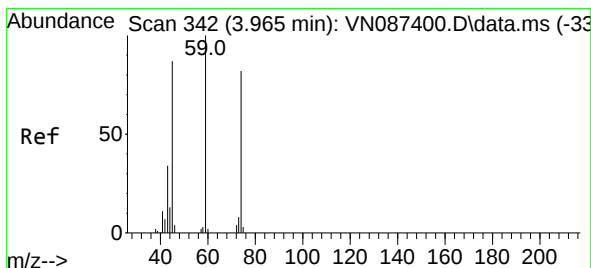
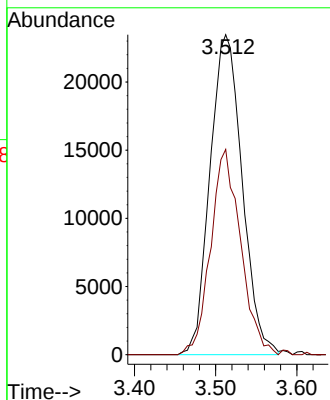
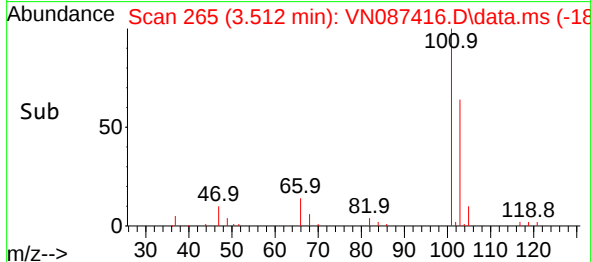
Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 64639
Ion Ratio Lower Upper
101 100
103 64.2 53.7 80.5

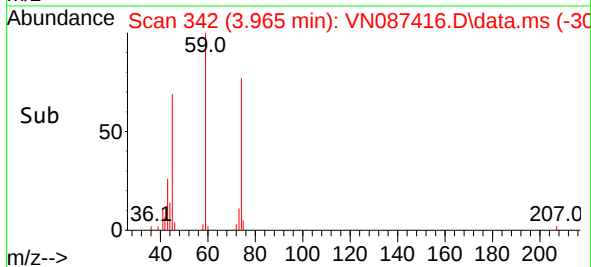
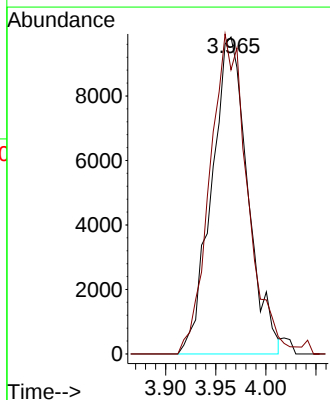
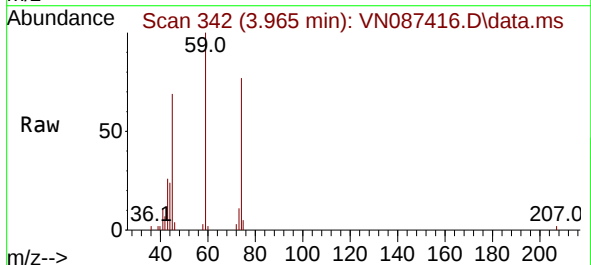
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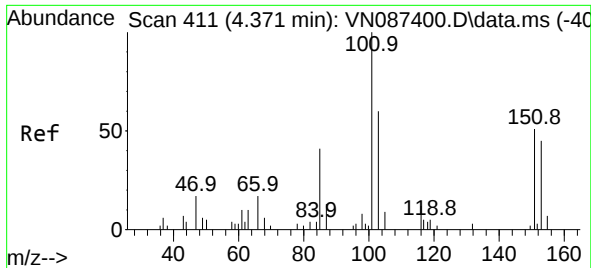
Reviewed By :John Carlone 07/25/2025
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#8
Diethyl Ether
Concen: 20.676 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 74 Resp: 24626
Ion Ratio Lower Upper
74 100
45 105.4 21.4 192.8





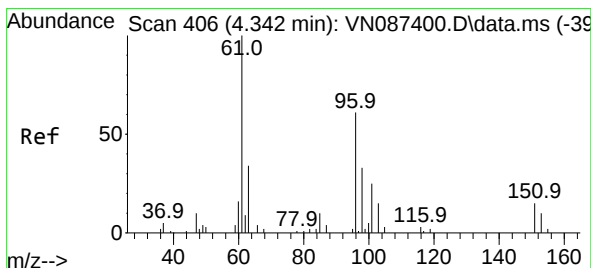
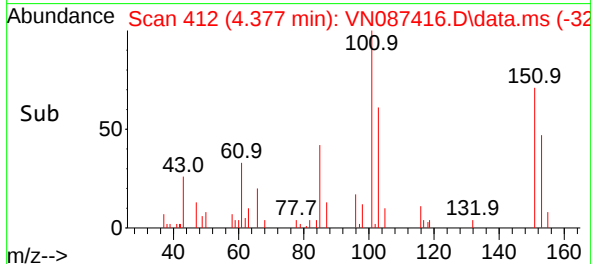
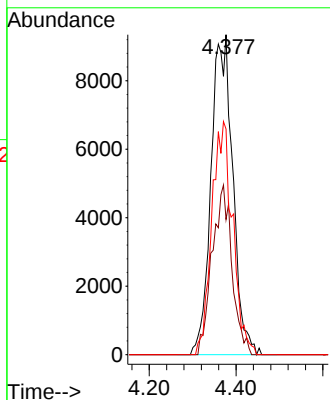
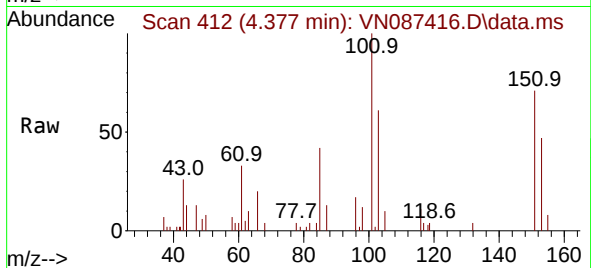
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.375 ug/l m
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN087416.D
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MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:101 Resp: 32305
Ion Ratio Lower Upper
101 100
85 48.4 0.0 94.8
151 57.9 0.0 64.8

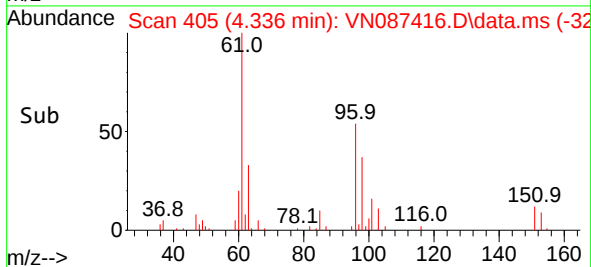
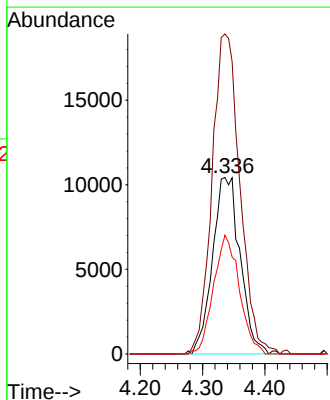
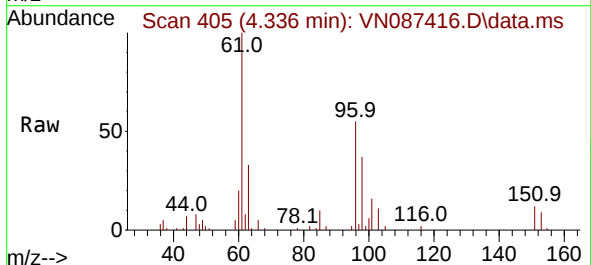
Manual Integrations
APPROVED

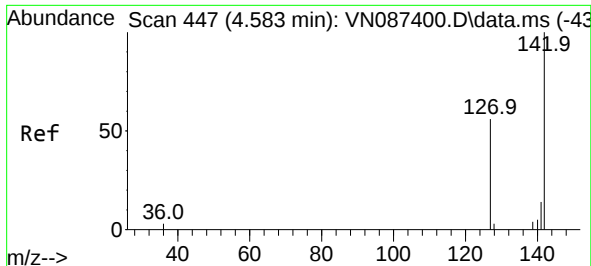
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#10
1,1-Dichloroethene
Concen: 19.595 ug/l m
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

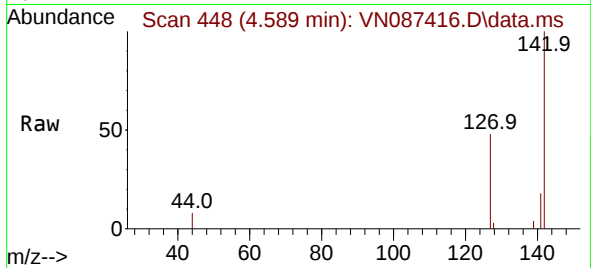
Tgt Ion: 96 Resp: 32258
Ion Ratio Lower Upper
96 100
61 181.3 131.8 197.8
98 67.3 43.0 64.4#





#11
Methyl Iodide
Concen: 14.765 ug/l m
RT: 4.589 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

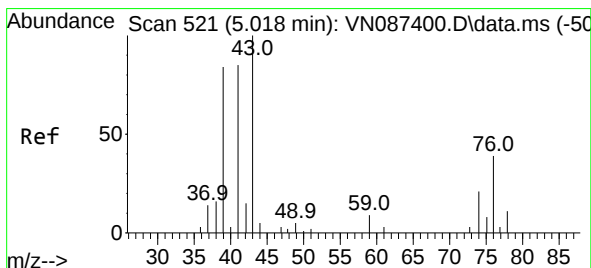
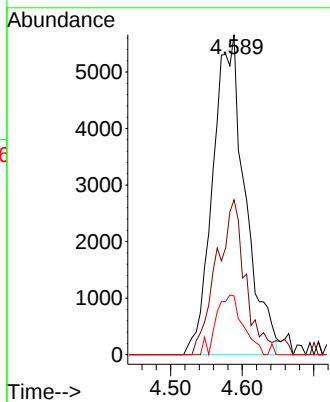
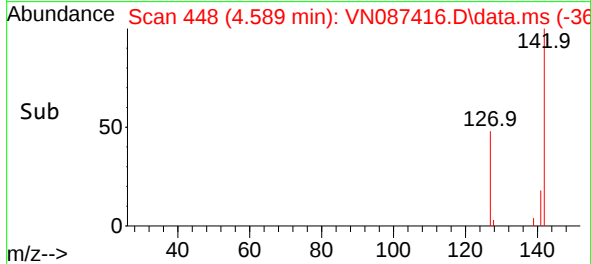
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:142 Resp: 1773
Ion Ratio Lower Upper
142 100
127 48.4 27.7 83.0
141 18.4 7.2 21.6

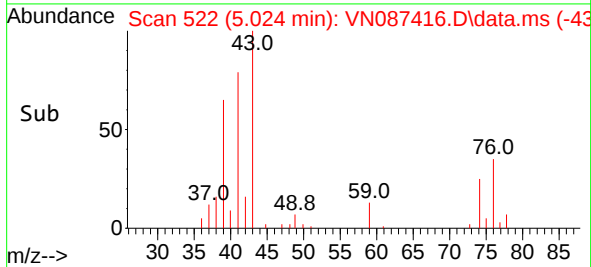
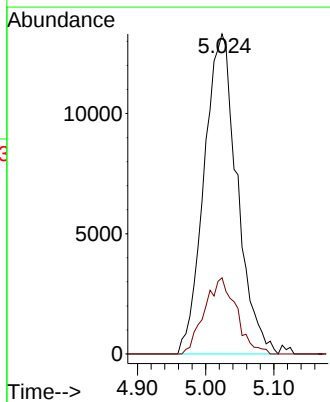
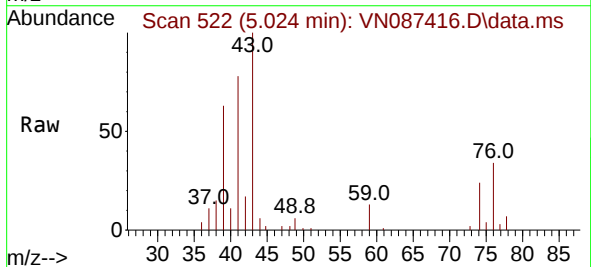
Manual Integrations
APPROVED

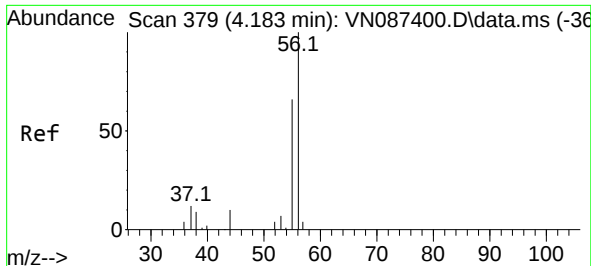
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#12
Methyl Acetate
Concen: 20.956 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 43 Resp: 44874
Ion Ratio Lower Upper
43 100
74 23.8 16.9 25.3





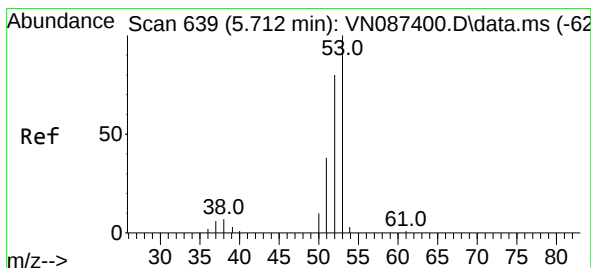
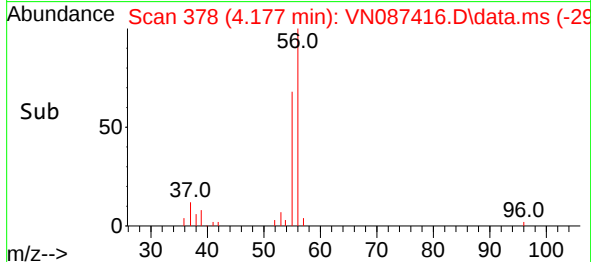
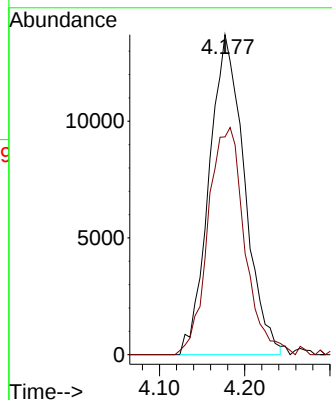
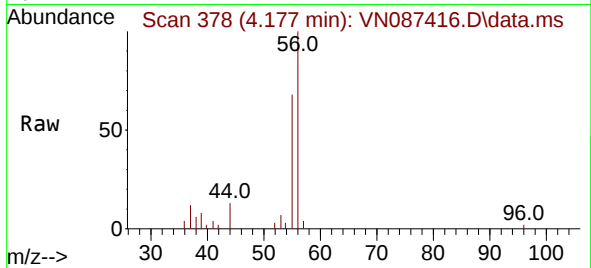
#13
Acrolein
Concen: 101.429 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion: 56 Resp: 3948
Ion Ratio Lower Upper
56 100
55 73.6 56.8 85.2

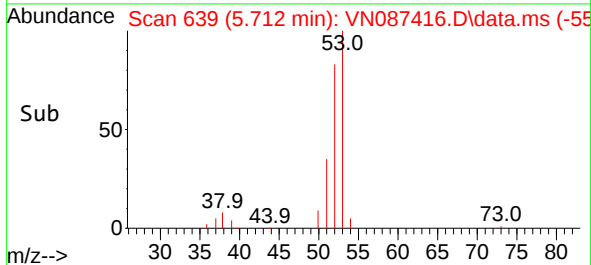
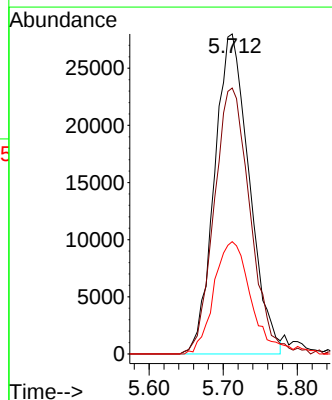
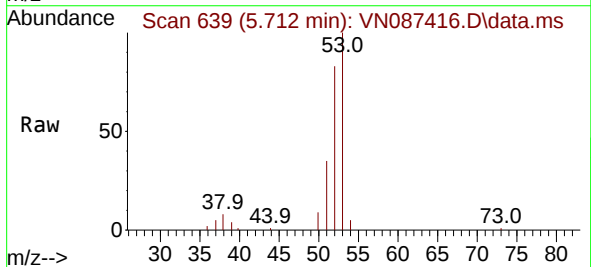
Manual Integrations
APPROVED

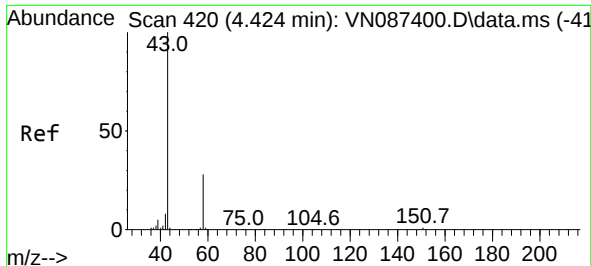
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#14
Acrylonitrile
Concen: 93.247 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

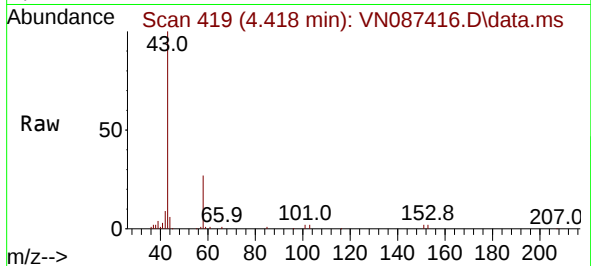
Tgt Ion: 53 Resp: 91185
Ion Ratio Lower Upper
53 100
52 85.7 41.5 124.6
51 37.4 19.4 58.4





#15
Acetone
Concen: 113.970 ug/l m
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

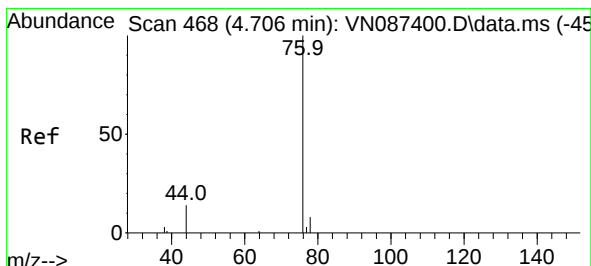
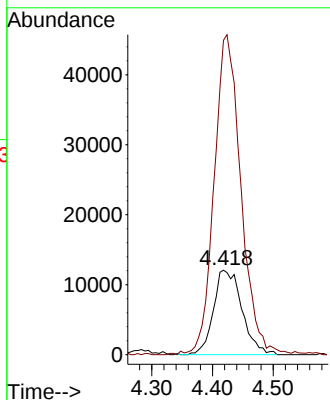
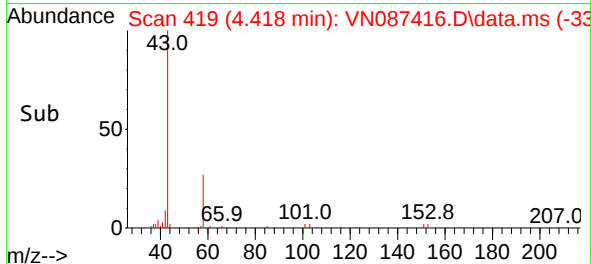
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



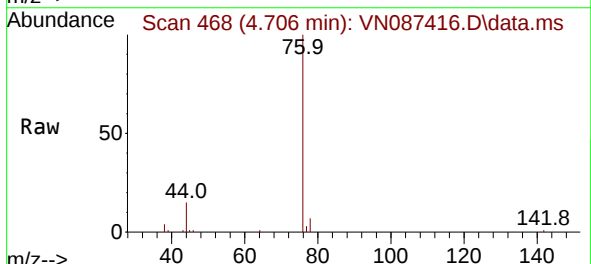
Tgt Ion: 58 Resp: 39348
Ion Ratio Lower Upper
58 100
43 372.4 283.4 425.0

Manual Integrations
APPROVED

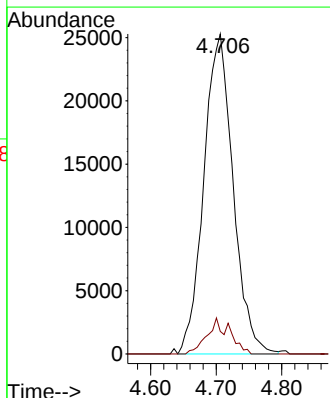
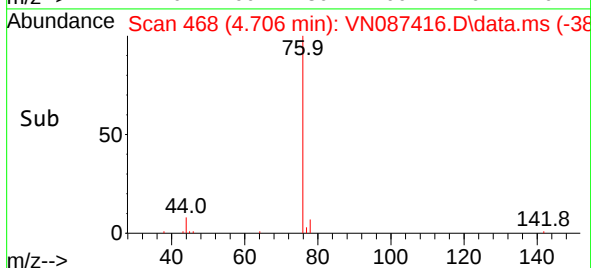
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

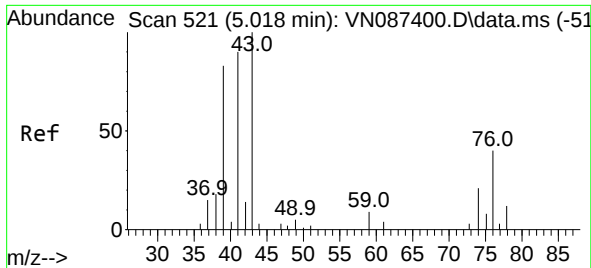


#16
Carbon Disulfide
Concen: 18.451 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11



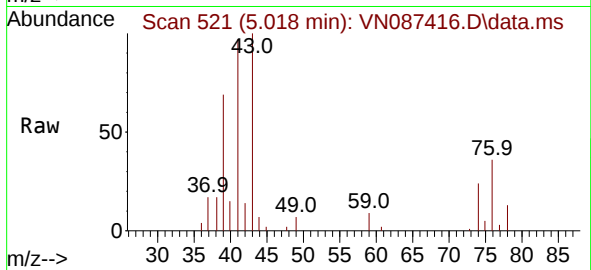
Tgt Ion: 76 Resp: 78446
Ion Ratio Lower Upper
76 100
78 7.1 6.6 10.0





#17
 Allyl chloride
 Concen: 16.697 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11

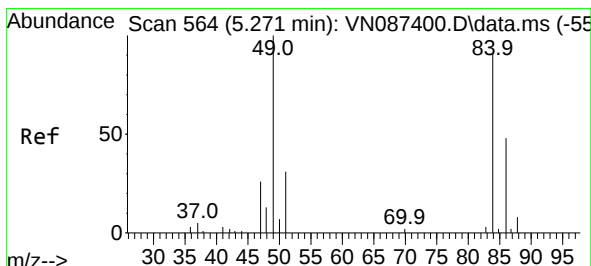
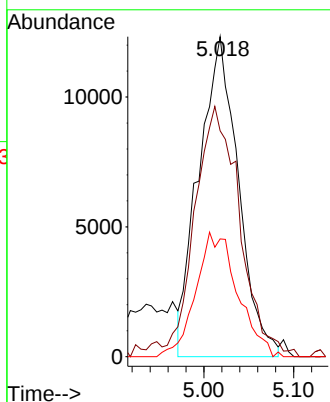
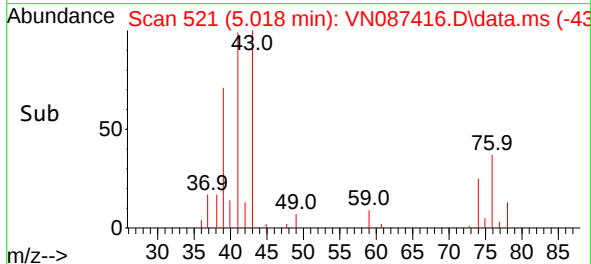
Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001MSD



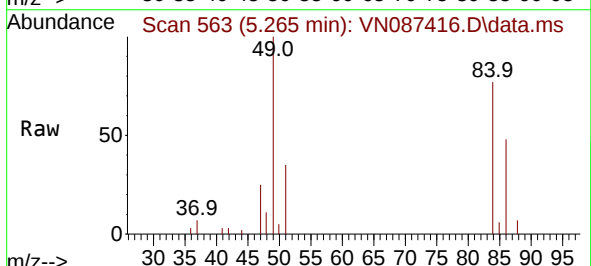
Tgt Ion: 41 Resp: 3765
 Ion Ratio Lower Upper
 41 100
 39 67.9 42.9 128.7
 76 36.4 19.8 59.4

Manual Integrations
 APPROVED

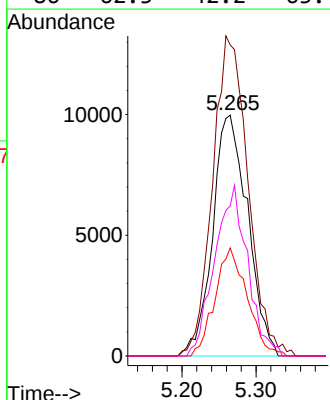
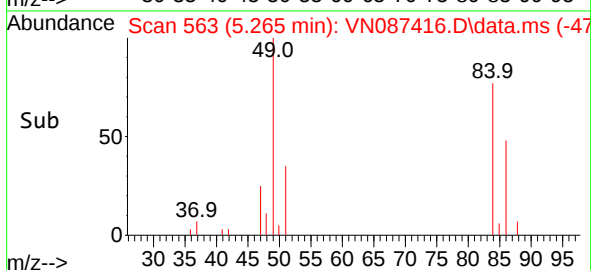
Reviewed By :John Carlone 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025

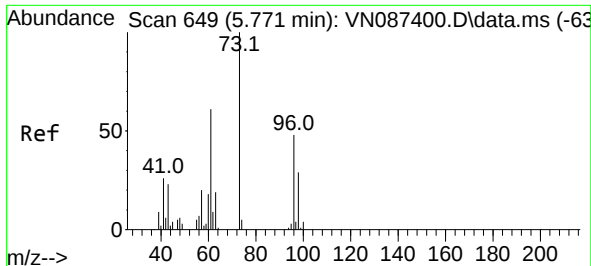


#18
 Methylene Chloride
 Concen: 19.648 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11



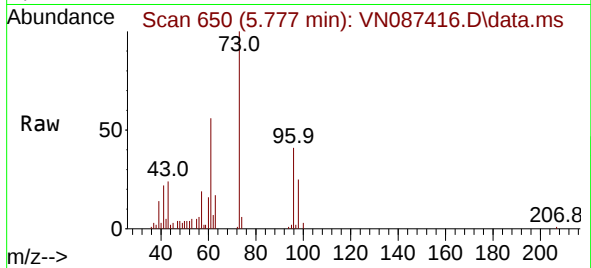
Tgt Ion: 84 Resp: 32737
 Ion Ratio Lower Upper
 84 100
 49 129.2 88.4 132.6
 51 44.8 27.3 40.9#
 86 62.3 42.2 63.4





#19
trans-1,2-Dichloroethene
Concen: 18.369 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

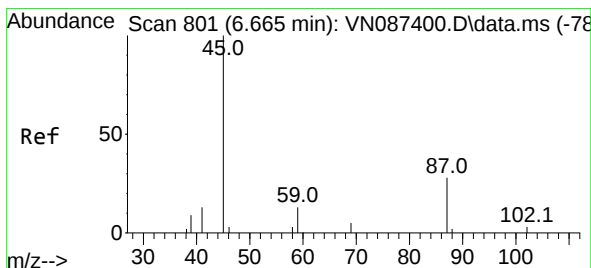
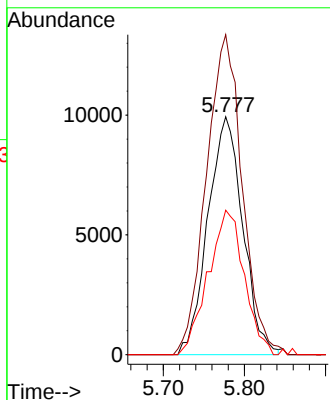
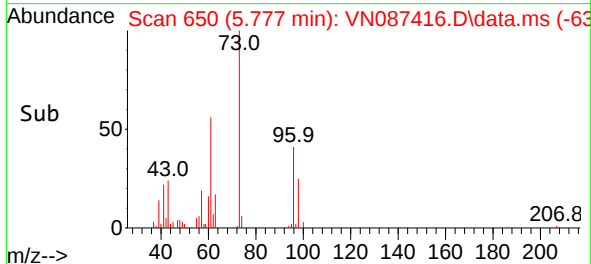
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 96 Resp: 29698
Ion Ratio Lower Upper
96 100
61 132.1 101.7 152.5
98 60.8 48.2 72.4

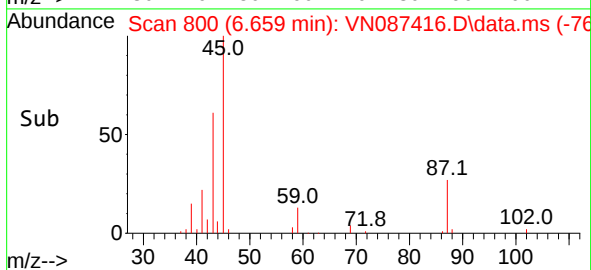
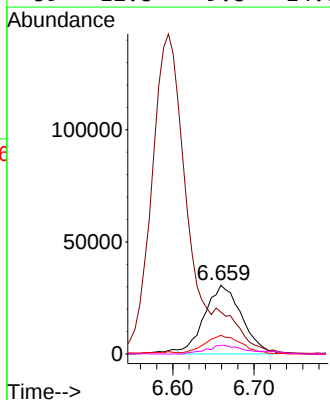
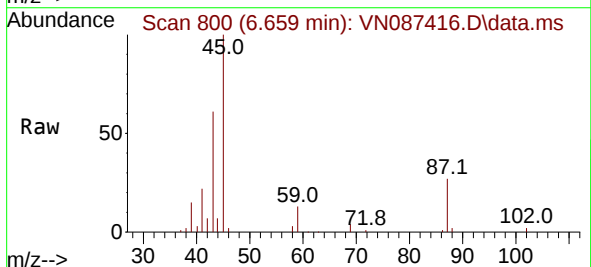
Manual Integrations
APPROVED

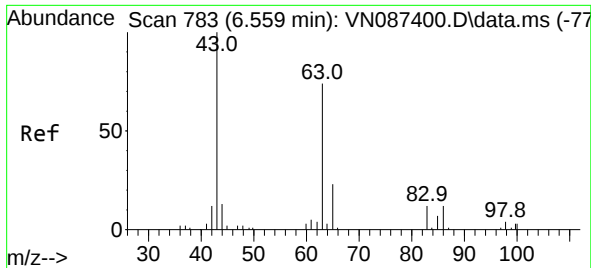
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#20
Diisopropyl ether
Concen: 17.042 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 45 Resp: 97188
Ion Ratio Lower Upper
45 100
43 58.1 46.0 69.0
87 26.9 23.4 35.2
59 12.8 9.8 14.6





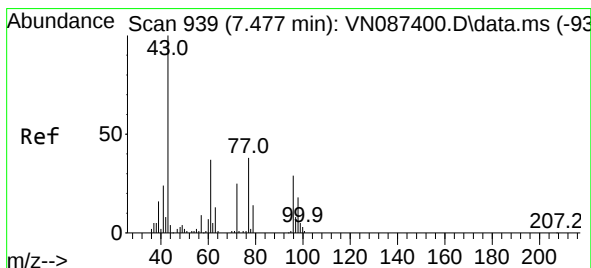
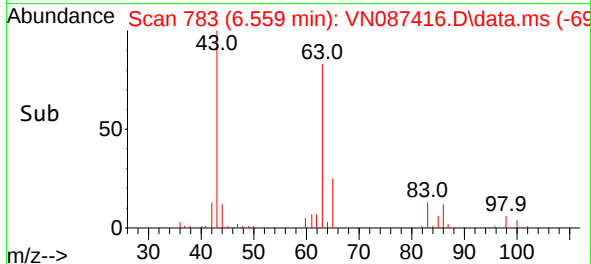
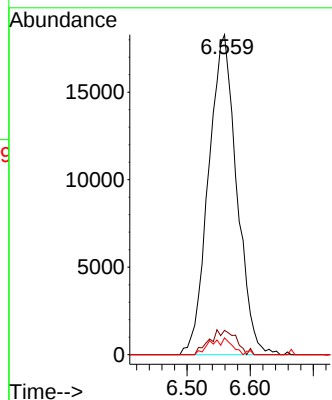
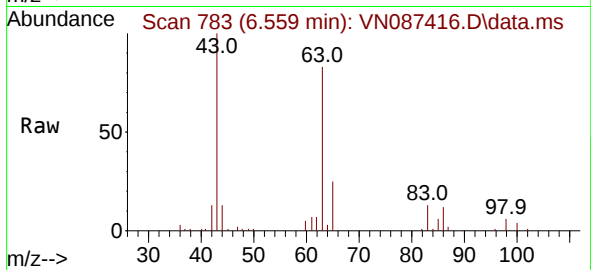
#21
1,1-Dichloroethane
Concen: 18.685 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion: 63 Resp: 5691
Ion Ratio Lower Upper
63 100
98 7.6 2.9 8.6
100 5.2 3.6 10.8

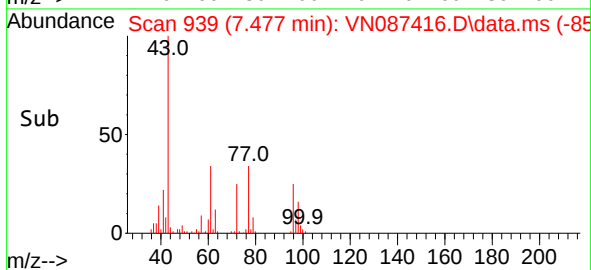
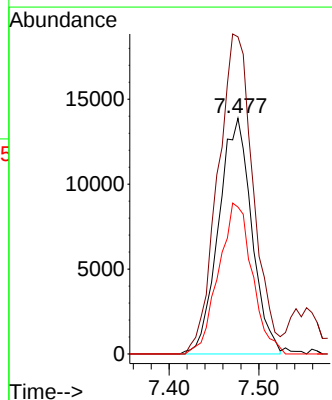
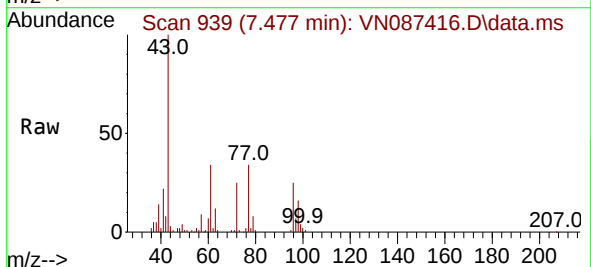
Manual Integrations
APPROVED

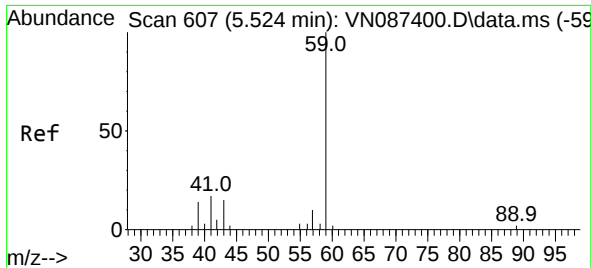
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#22
cis-1,2-Dichloroethene
Concen: 18.749 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 96 Resp: 35505
Ion Ratio Lower Upper
96 100
61 145.3 120.4 180.6
98 64.9 54.0 81.0





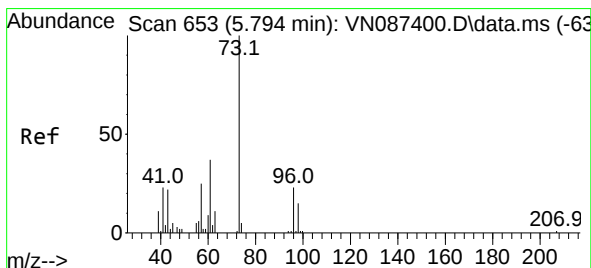
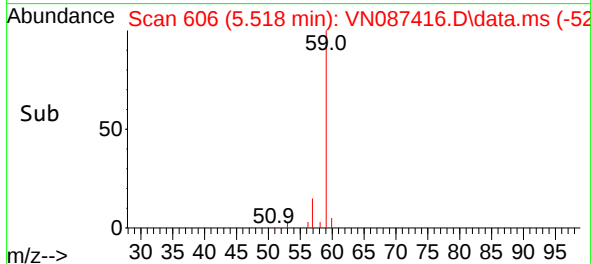
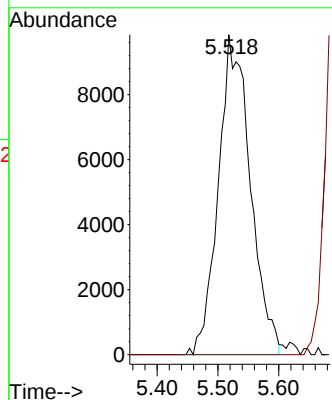
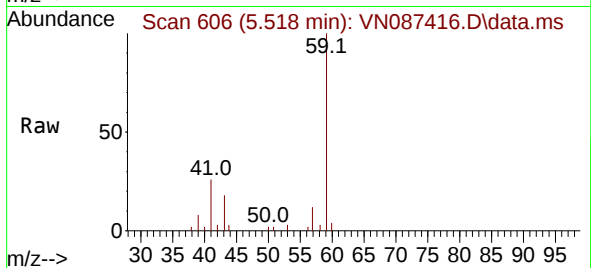
#23
tert-Butyl Alcohol
Concen: 106.926 ug/l m
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion: 59 Resp: 35830
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

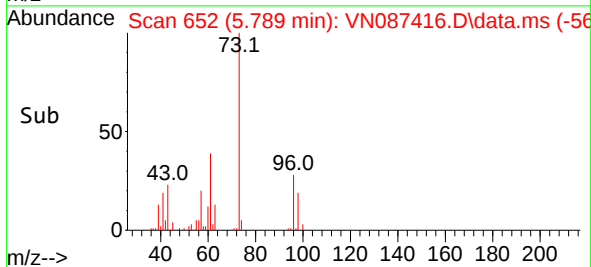
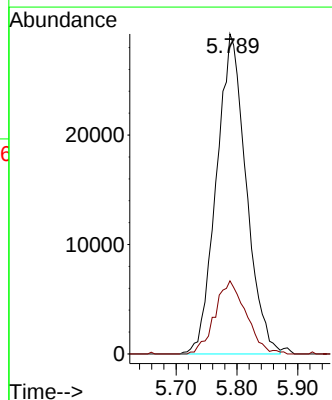
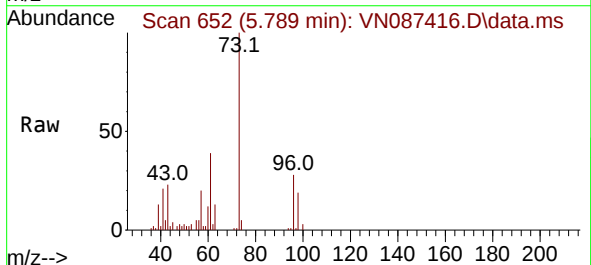
Manual Integrations
APPROVED

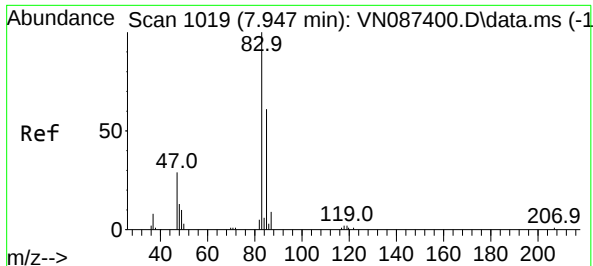
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#24
Methyl tert-Butyl Ether
Concen: 18.663 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 73 Resp: 99287
Ion Ratio Lower Upper
73 100
43 23.7 17.7 26.5





#25

Chloroform

Concen: 20.313 ug/l

RT: 7.953 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VN087416.D

Acq: 24 Jul 2025 14:11

Instrument :

MSVOA_N

ClientSampleId :

DSN001MSD

Tgt Ion: 83 Resp: 6776

Ion Ratio Lower Upper

83 100

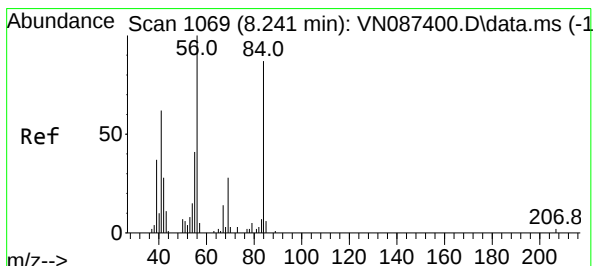
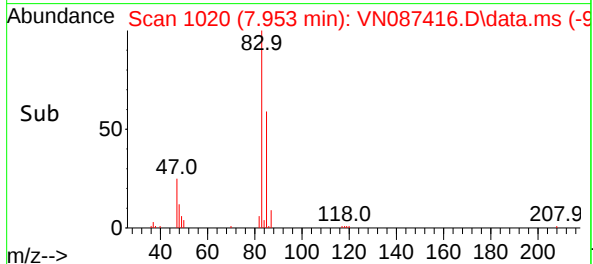
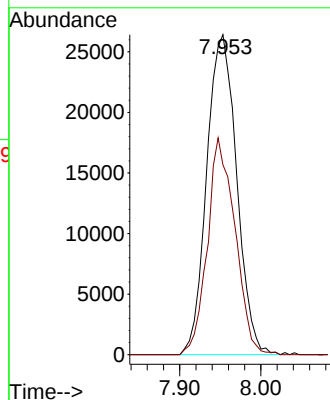
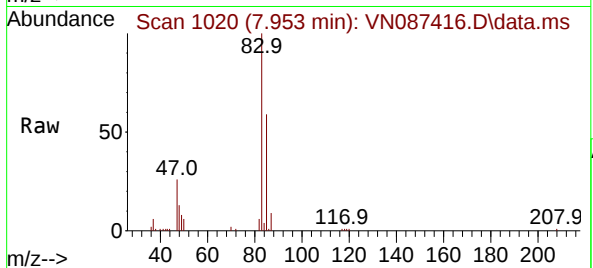
85 59.4 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2025

Supervised By :Mahesh Dadoda 07/25/2025



#26

Cyclohexane

Concen: 17.966 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VN087416.D

Acq: 24 Jul 2025 14:11

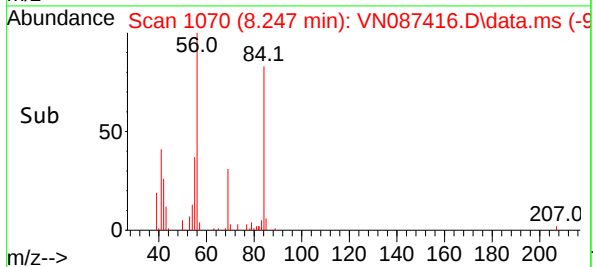
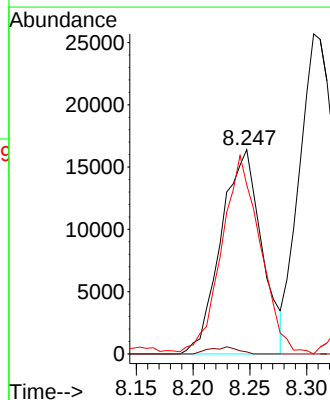
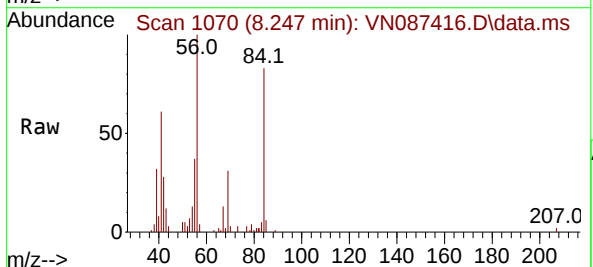
Tgt Ion: 56 Resp: 40796

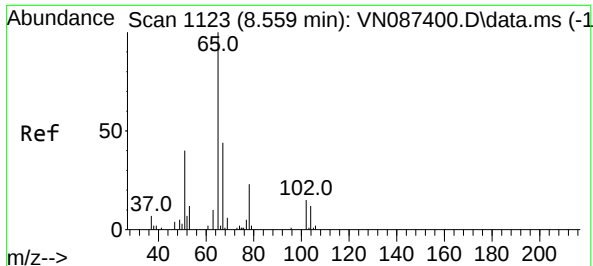
Ion Ratio Lower Upper

56 100

89 1.3 1.5 2.3#

84 92.0 71.2 106.8





#27

1,2-Dichloroethane-d4

Concen: 29.957 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087416.D

Acq: 24 Jul 2025 14:11

Instrument :

MSVOA_N

ClientSampleId :

DSN001MSD

Tgt Ion: 65 Resp: 6489

Ion Ratio Lower Upper

65 100

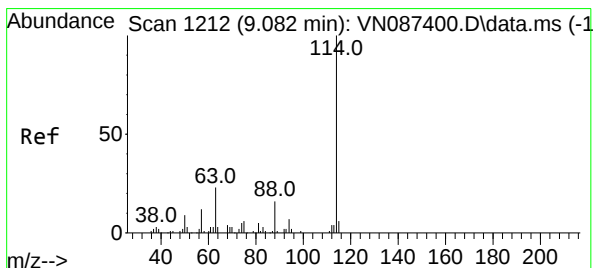
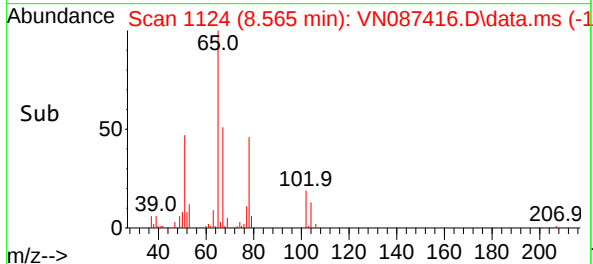
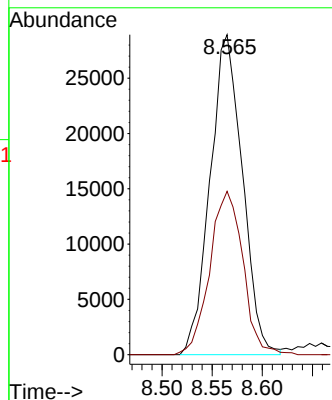
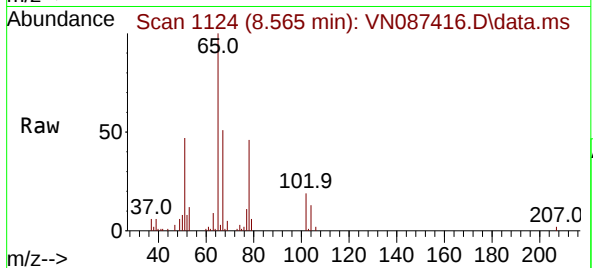
67 52.2 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2025

Supervised By :Mahesh Dadoda 07/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087416.D

Acq: 24 Jul 2025 14:11

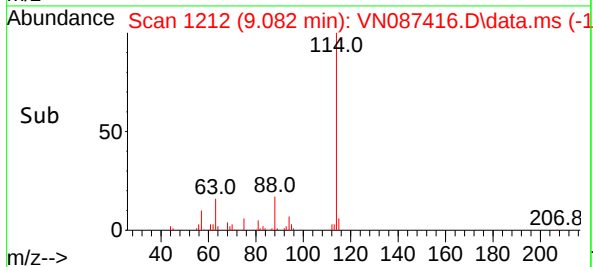
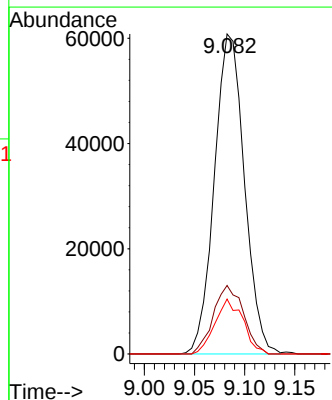
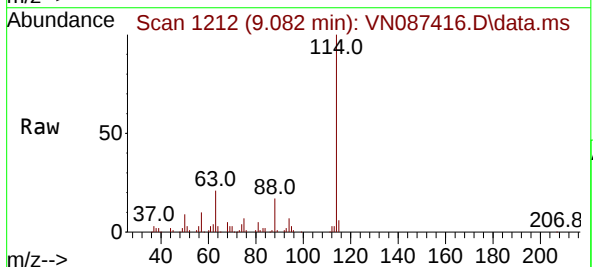
Tgt Ion:114 Resp: 126821

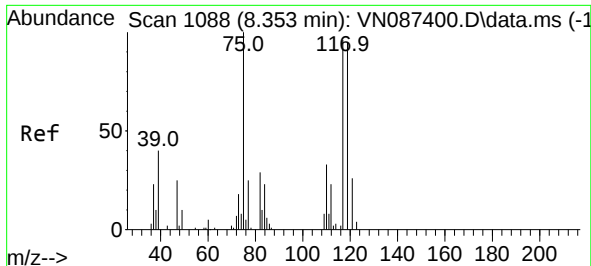
Ion Ratio Lower Upper

114 100

63 21.5 16.8 25.2

88 16.0 12.5 18.7





#29
1,1-Dichloropropene
Concen: 17.328 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :

MSVOA_N

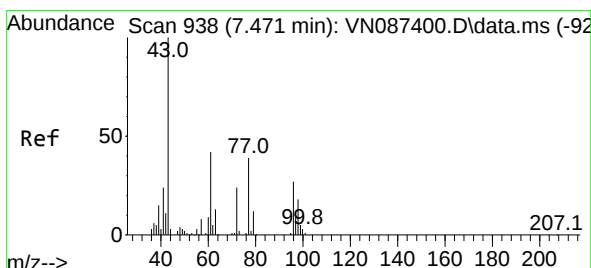
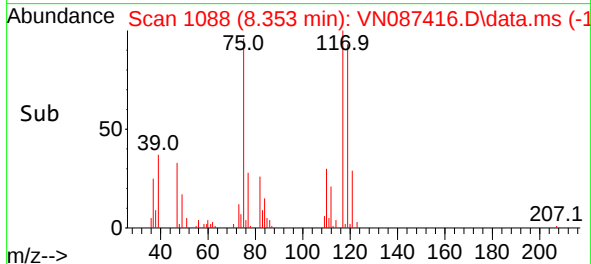
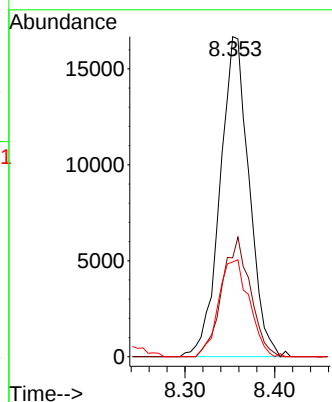
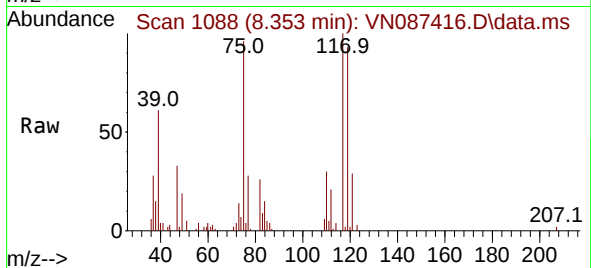
ClientSampleId :

DSN001MSD

Tgt Ion: 75 Resp: 37492
Ion Ratio Lower Upper
75 100
110 36.5 0.0 66.4
77 31.8 0.0 61.6

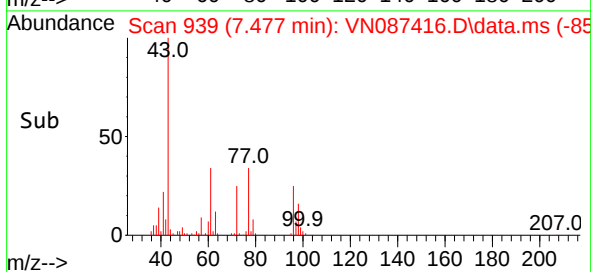
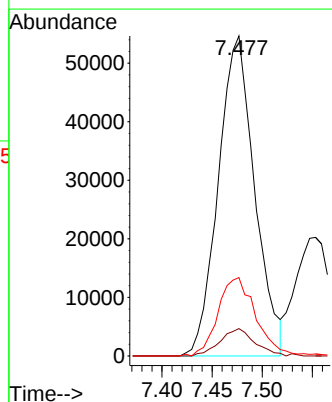
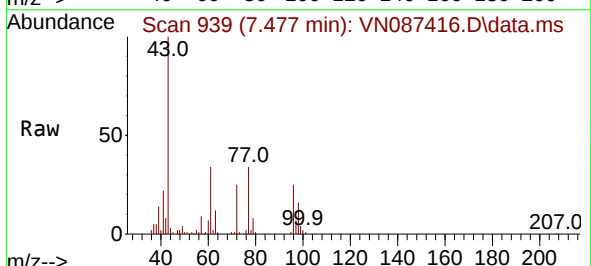
Manual Integrations
APPROVED

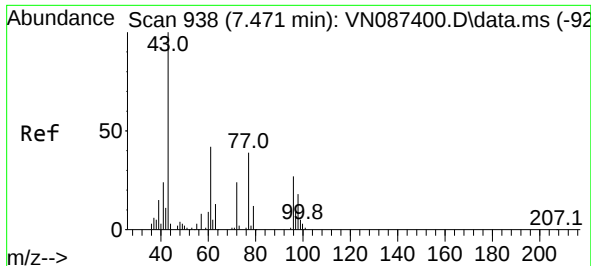
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#30
2-Butanone
Concen: 93.494 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

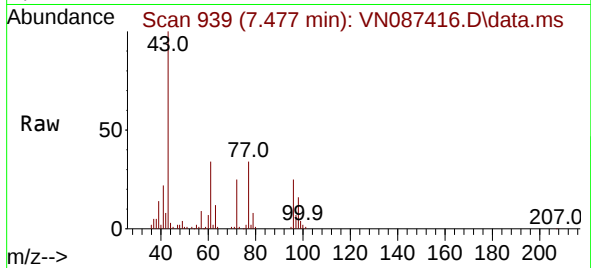
Tgt Ion: 43 Resp: 137770
Ion Ratio Lower Upper
43 100
57 8.1 6.6 9.8
72 25.5 20.6 30.8





#31
2,2-Dichloropropane
Concen: 18.068 ug/l
RT: 7.477 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

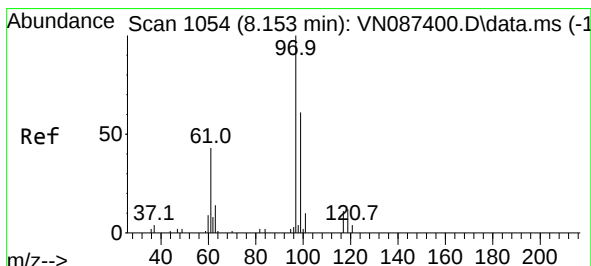
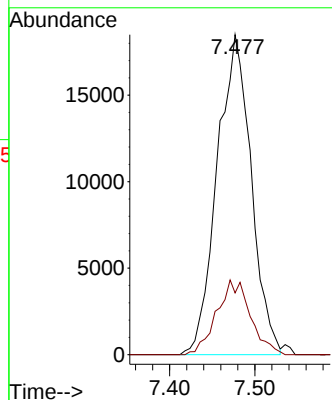
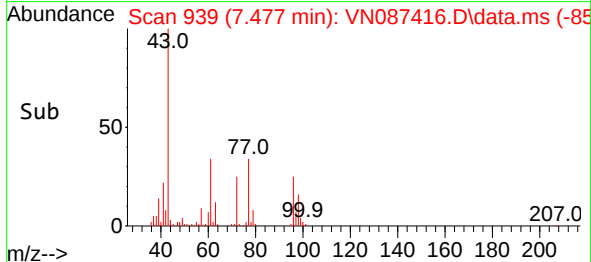
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 77 Resp: 5134
Ion Ratio Lower Upper
77 100
97 23.0 17.1 25.7

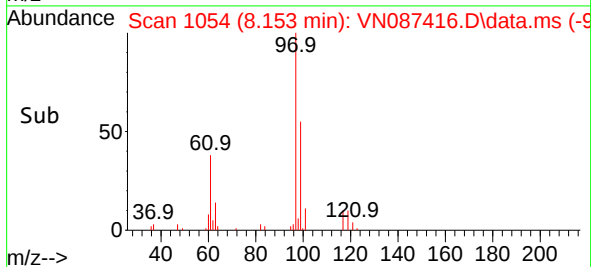
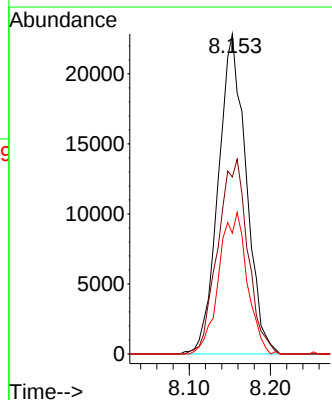
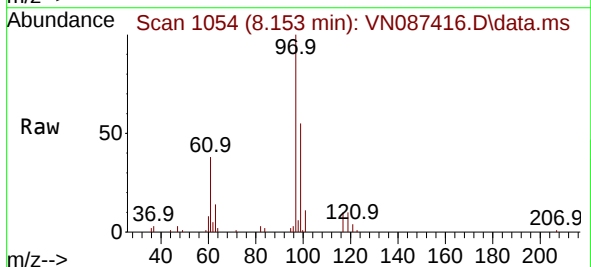
Manual Integrations
APPROVED

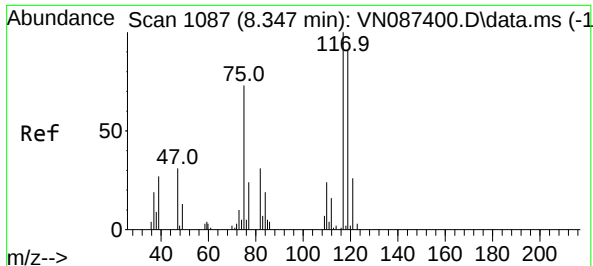
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#32
1,1,1-Trichloroethane
Concen: 19.222 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

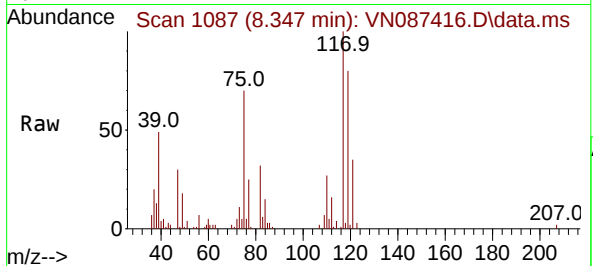
Tgt Ion: 97 Resp: 54434
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.6
61 24.5 36.1 54.1#





#33
Carbon Tetrachloride
Concen: 19.038 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

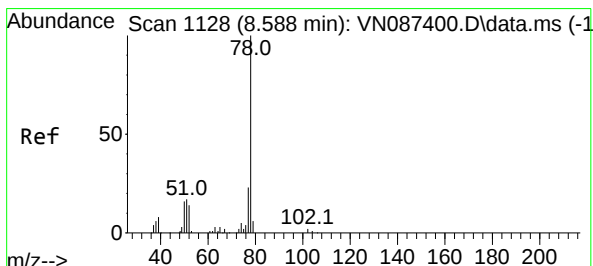
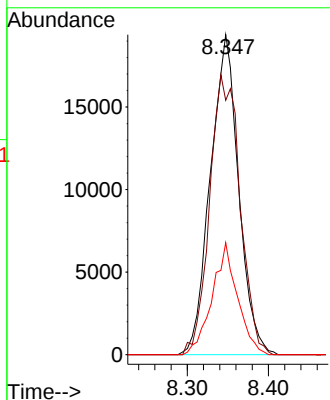
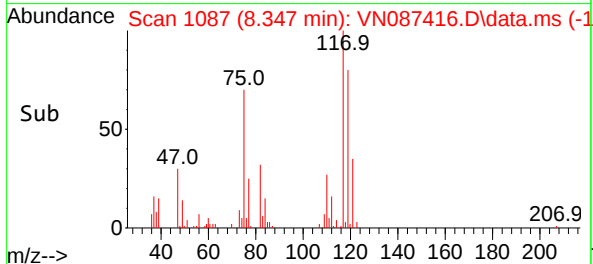
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:117 Resp: 46830
Ion Ratio Lower Upper
117 100
119 79.5 72.7 109.1
121 35.0 21.1 31.7

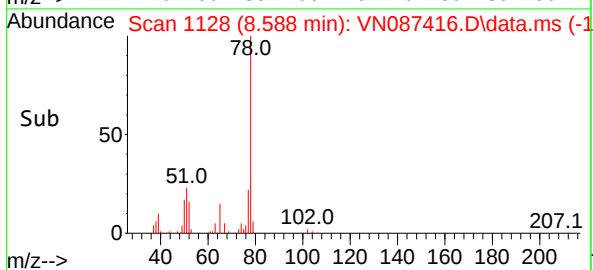
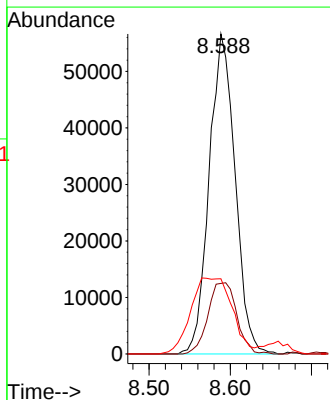
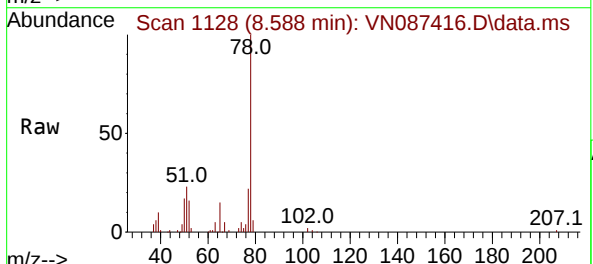
Manual Integrations
APPROVED

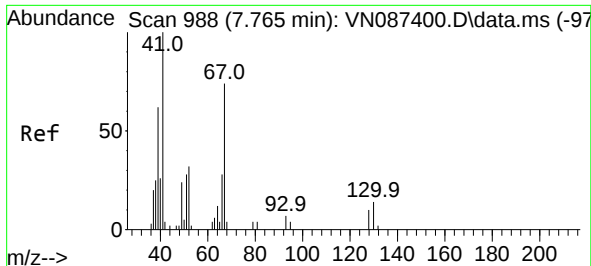
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#34
Benzene
Concen: 17.960 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

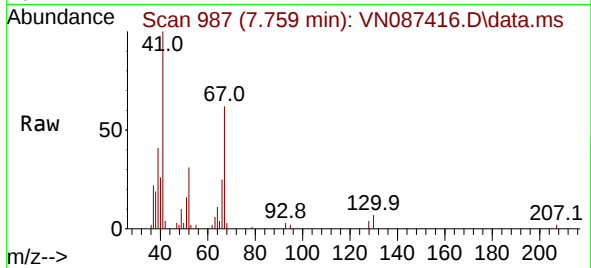
Tgt Ion: 78 Resp: 125507
Ion Ratio Lower Upper
78 100
77 22.0 18.2 27.2
51 20.0 13.8 20.8





#35
Methacrylonitrile
Concen: 17.994 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

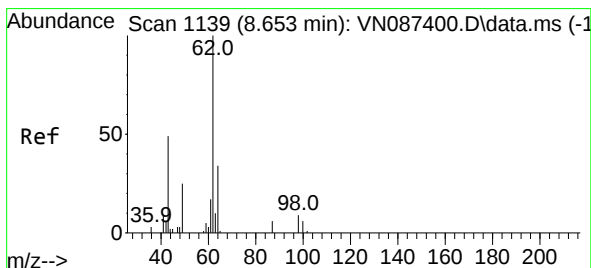
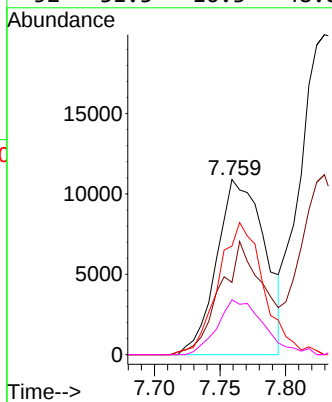
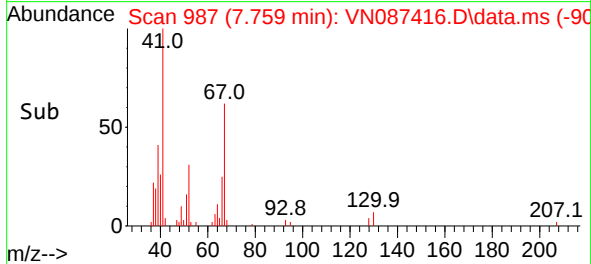
Instrument :
MSVOA_N
Client Sample Id :
DSN001MSD



Tgt Ion: 41 Resp: 2788
Ion Ratio Lower Upper
41 100
39 39.6 31.0 93.0
67 60.5 36.8 110.3
52 31.3 16.3 48.8

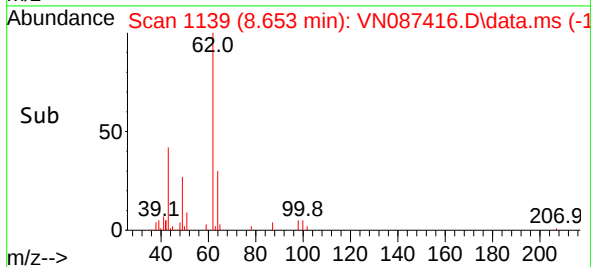
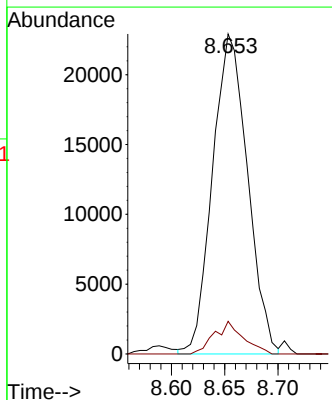
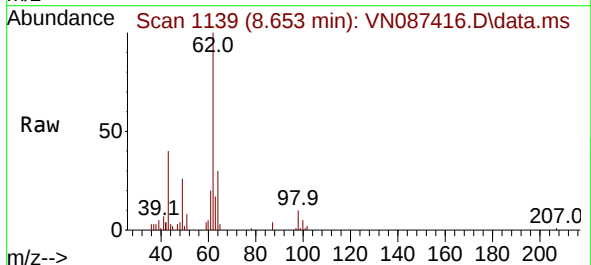
Manual Integrations
APPROVED

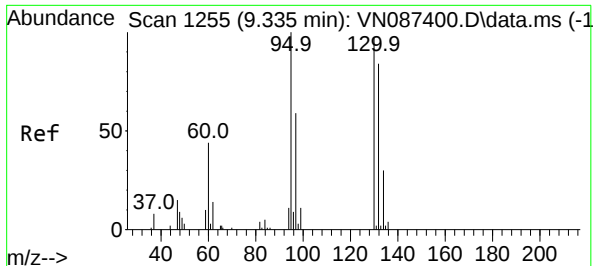
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#36
1,2-Dichloroethane
Concen: 19.010 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 62 Resp: 52407
Ion Ratio Lower Upper
62 100
98 5.2 6.6 9.8#





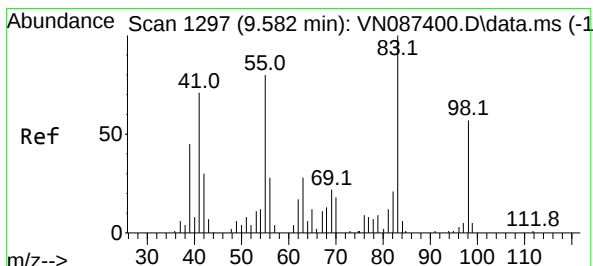
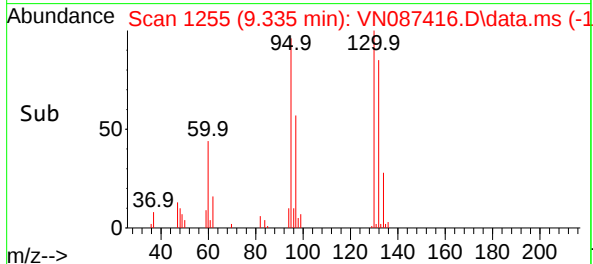
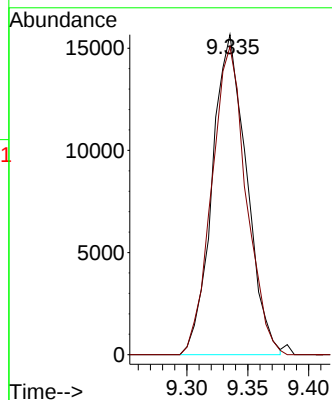
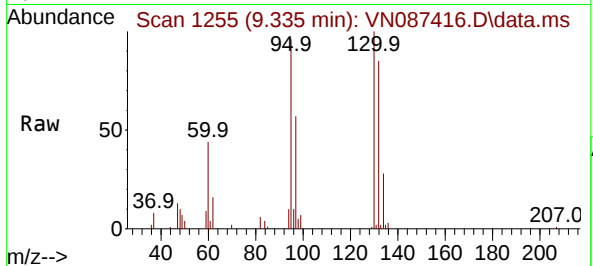
#37
Trichloroethene
Concen: 19.304 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:130 Resp: 30780
Ion Ratio Lower Upper
130 100
95 96.2 82.4 123.6

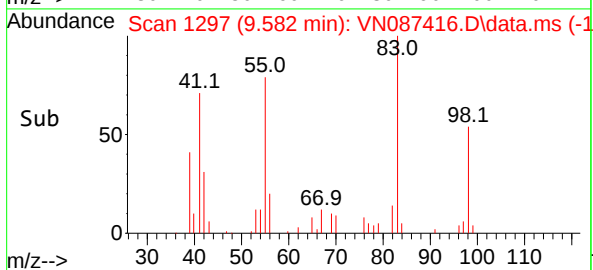
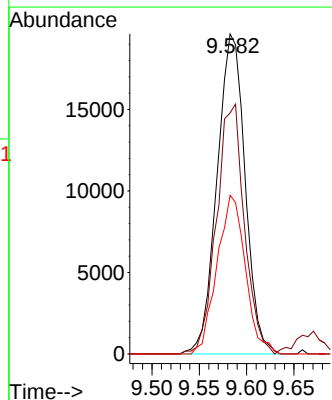
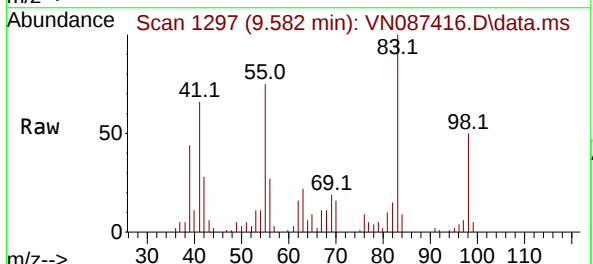
Manual Integrations
APPROVED

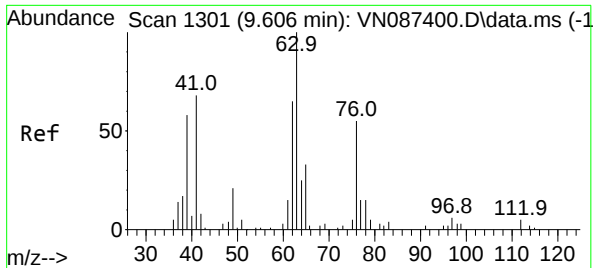
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#38
Methylcyclohexane
Concen: 17.716 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

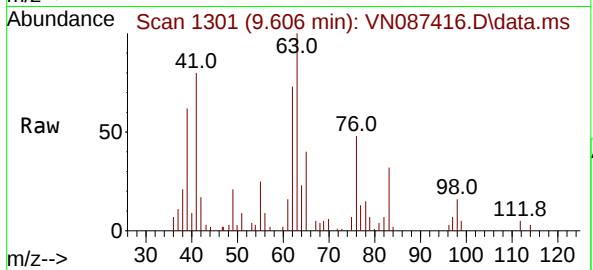
Tgt Ion: 83 Resp: 40521
Ion Ratio Lower Upper
83 100
55 77.5 40.9 122.8
98 50.1 25.6 76.6





#39
1,2-Dichloropropane
Concen: 17.812 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

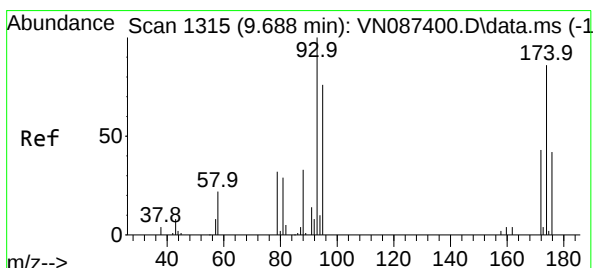
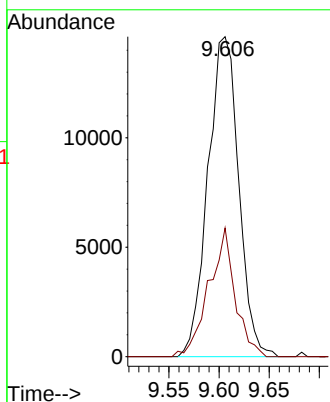
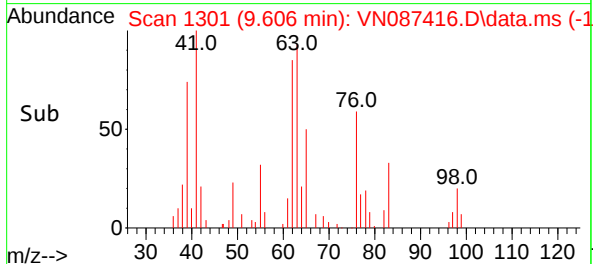
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 63 Resp: 3127
Ion Ratio Lower Upper
63 100
65 40.2 26.1 39.1

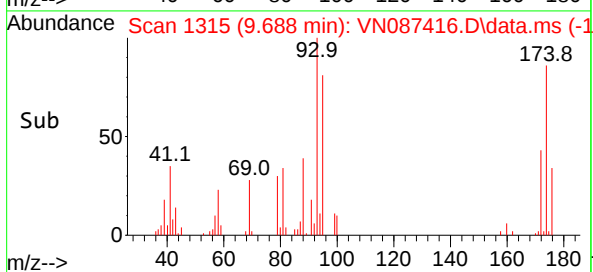
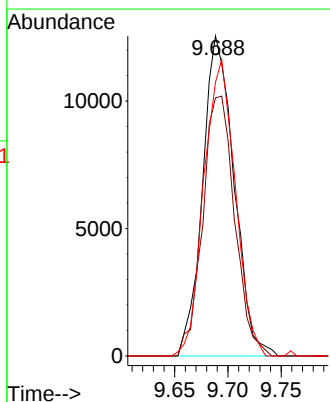
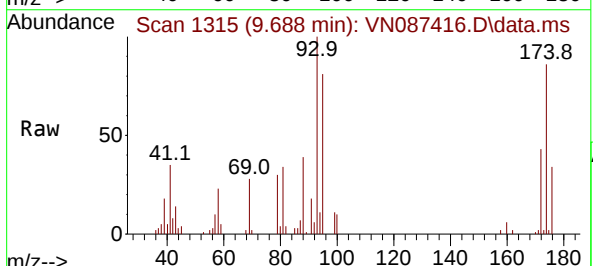
Manual Integrations
APPROVED

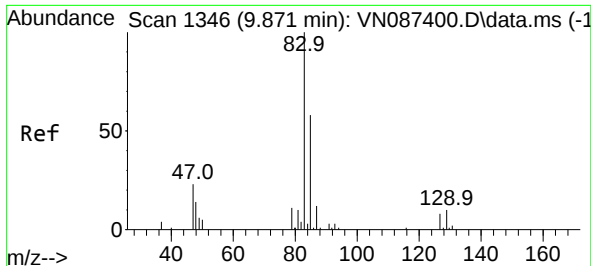
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#40
Dibromomethane
Concen: 18.971 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

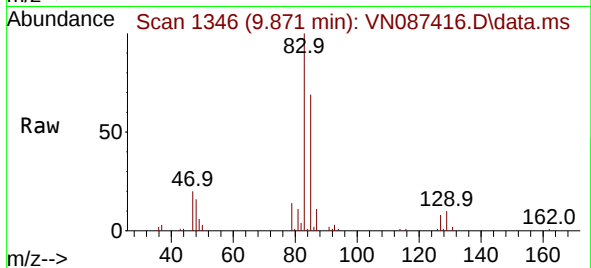
Tgt Ion: 93 Resp: 25768
Ion Ratio Lower Upper
93 100
95 82.4 0.0 161.8
174 92.5 0.0 177.6





#41
Bromodichloromethane
Concen: 19.594 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

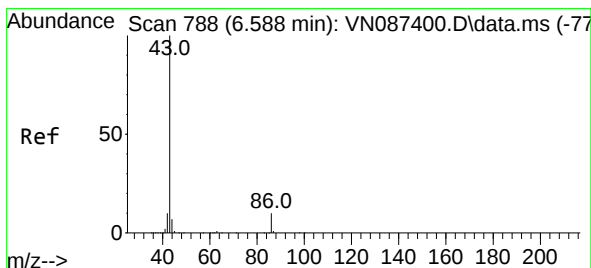
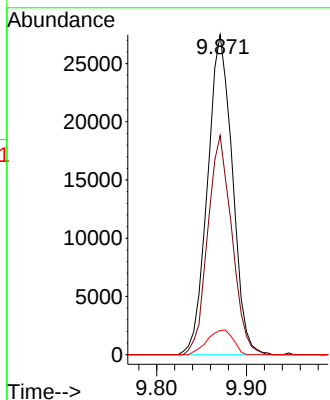
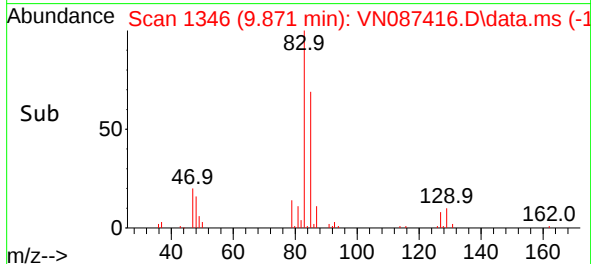
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 83 Resp: 5284
Ion Ratio Lower Upper
83 100
85 68.5 46.2 69.2
127 7.5 6.1 9.1

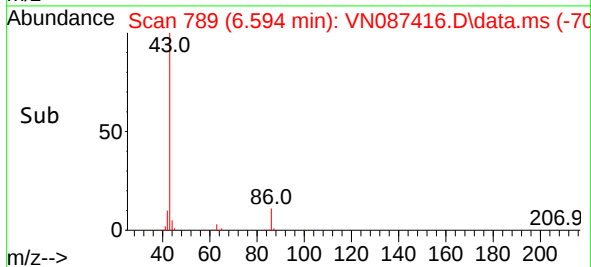
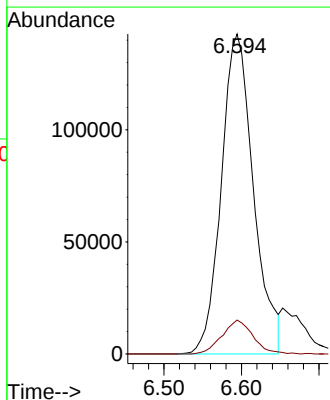
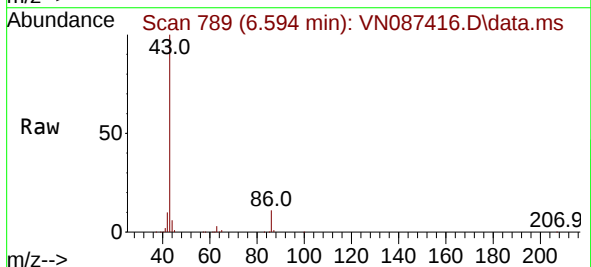
Manual Integrations
APPROVED

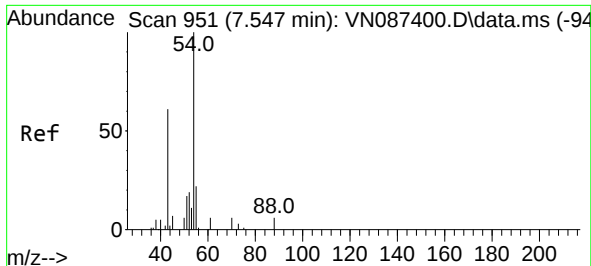
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#42
Vinyl Acetate
Concen: 82.684 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

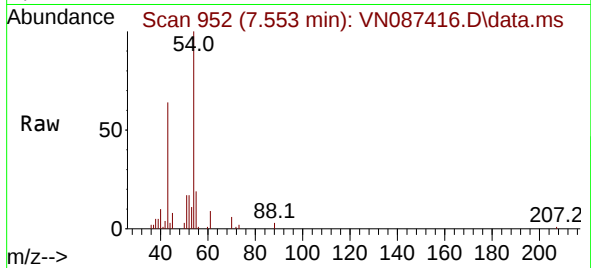
Tgt Ion: 43 Resp: 412737
Ion Ratio Lower Upper
43 100
86 10.1 8.1 12.1





#43
Ethyl Acetate
Concen: 15.389 ug/l
RT: 7.553 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

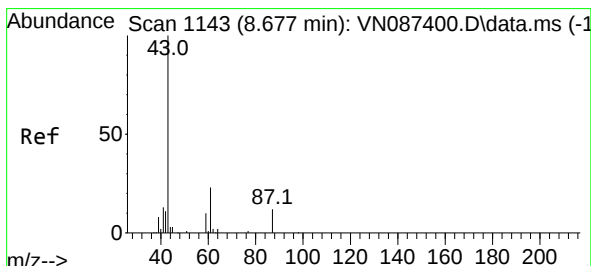
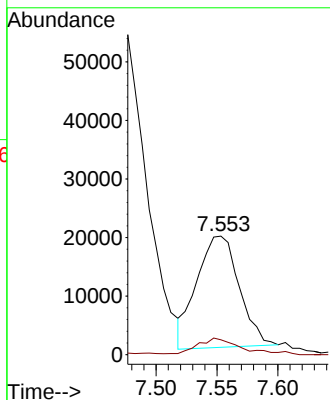
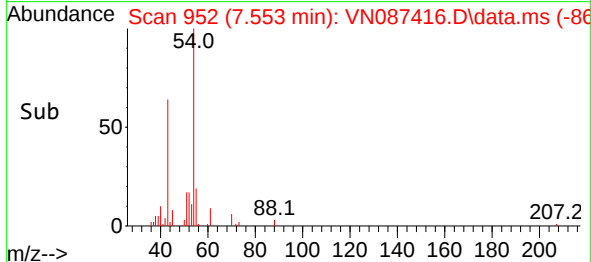
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 43 Resp: 46160
Ion Ratio Lower Upper
43 100
45 12.8 5.6 8.4

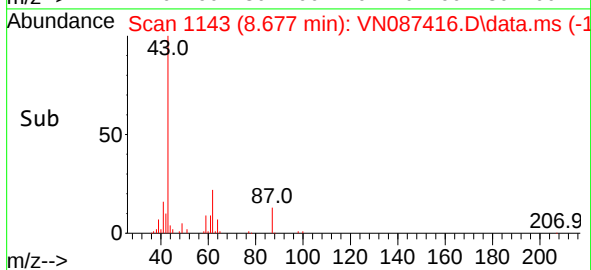
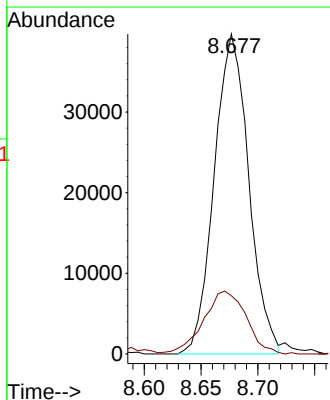
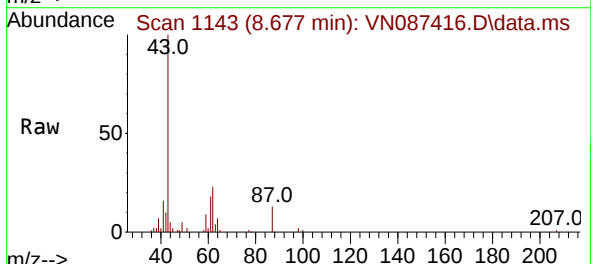
Manual Integrations
APPROVED

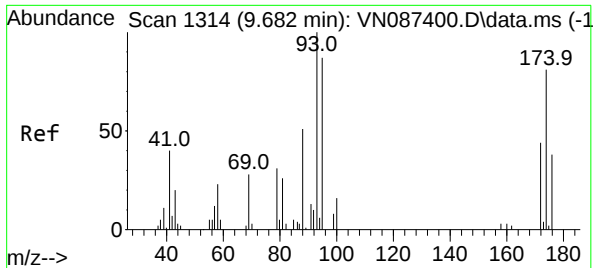
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#44
Isopropyl Acetate
Concen: 17.706 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

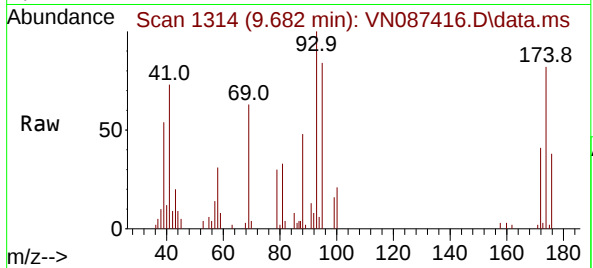
Tgt Ion: 43 Resp: 83852
Ion Ratio Lower Upper
43 100
61 24.3 20.1 30.1





#45
1,4-Dioxane
Concen: 384.155 ug/l
RT: 9.682 min Scan# 11209
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

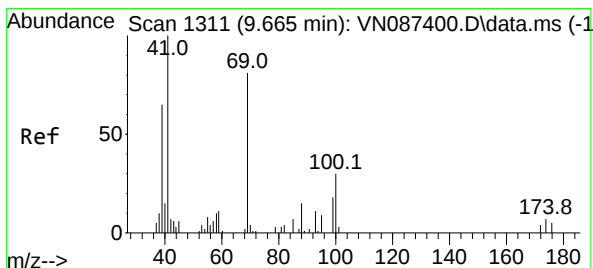
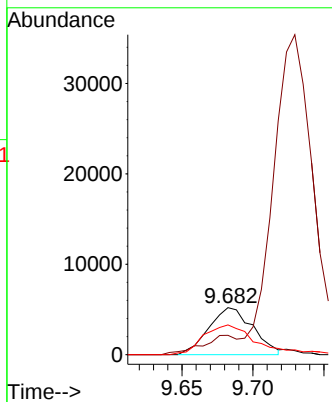
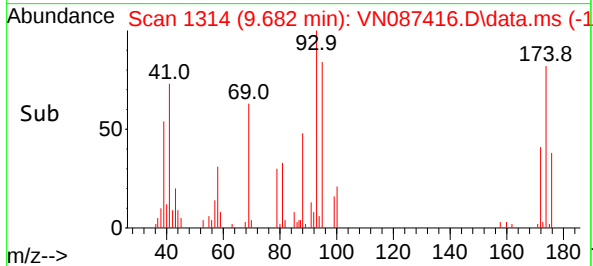
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 88 Resp: 11209
Ion Ratio Lower Upper
88 100
43 32.5 29.6 44.4
58 74.2 23.5 35.3

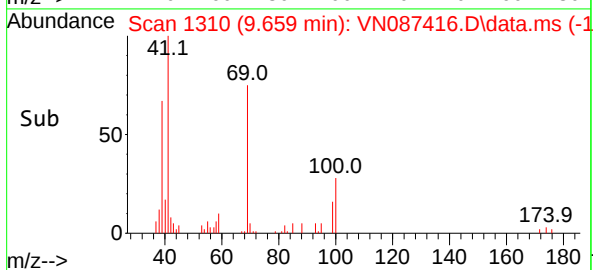
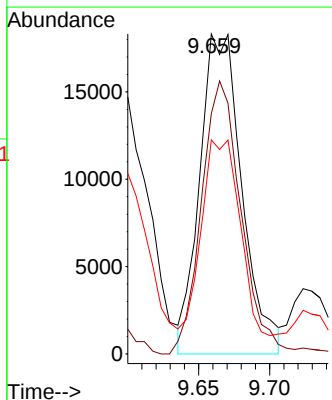
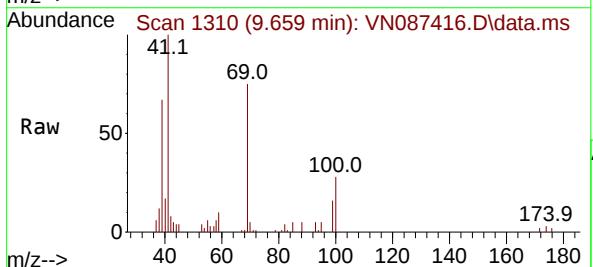
Manual Integrations
APPROVED

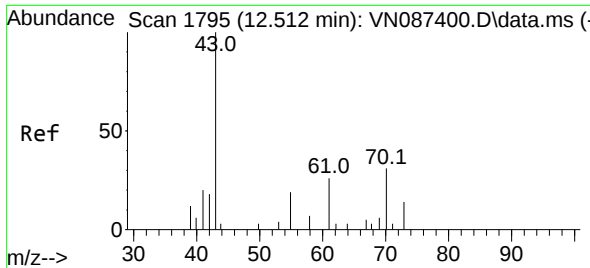
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#46
Methyl methacrylate
Concen: 17.311 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

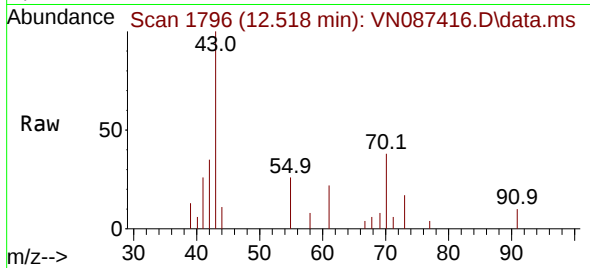
Tgt Ion: 41 Resp: 37753
Ion Ratio Lower Upper
41 100
69 78.6 39.5 118.5
39 66.2 31.6 94.7





#47
n-amy1 Acetate
Concen: 13.980 ug/l m
RT: 12.518 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

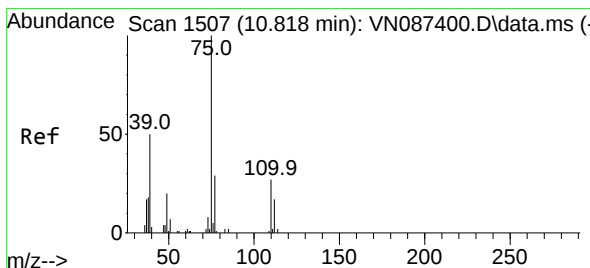
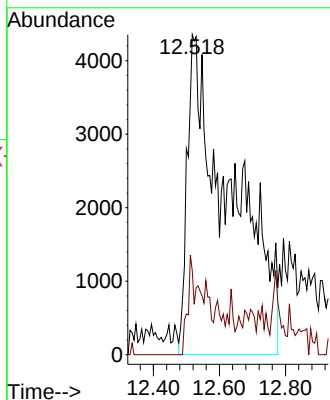
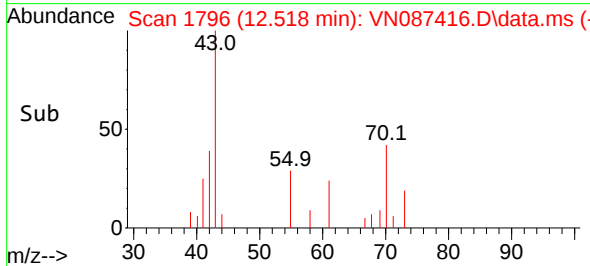
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
55 2.8 0.6 0.8

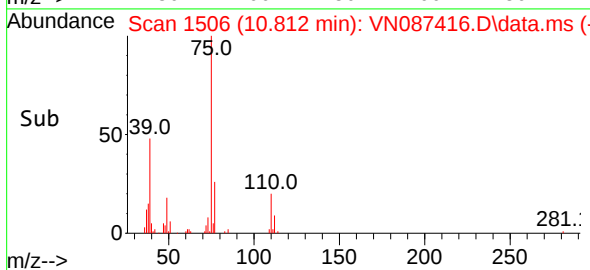
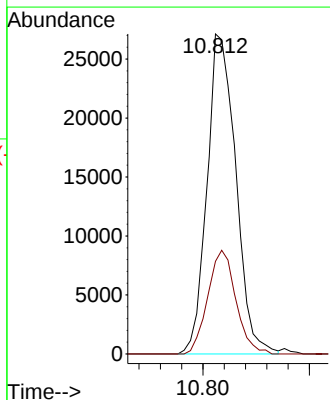
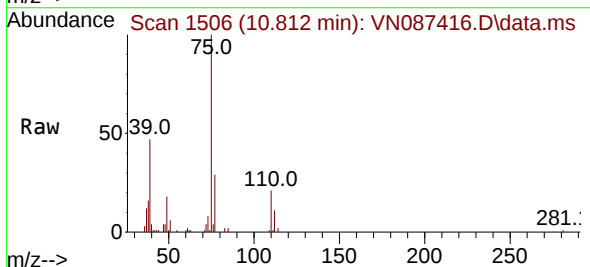
Manual Integrations
APPROVED

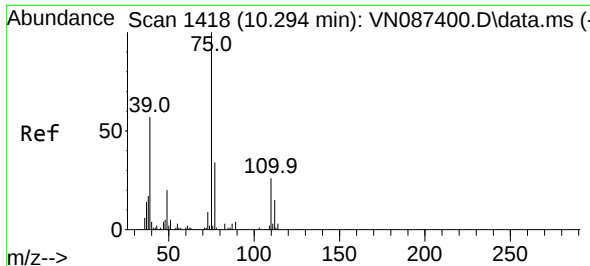
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#48
t-1,3-Dichloropropene
Concen: 17.688 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

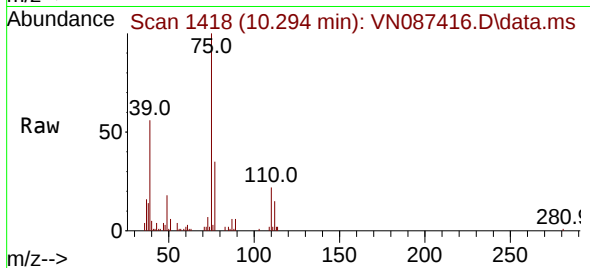
Tgt Ion: 75 Resp: 50888
Ion Ratio Lower Upper
75 100
77 28.9 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 18.372 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11

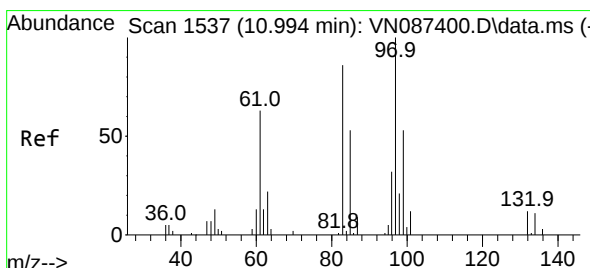
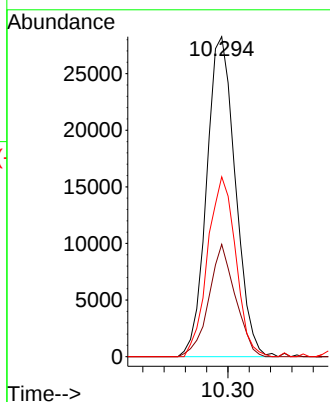
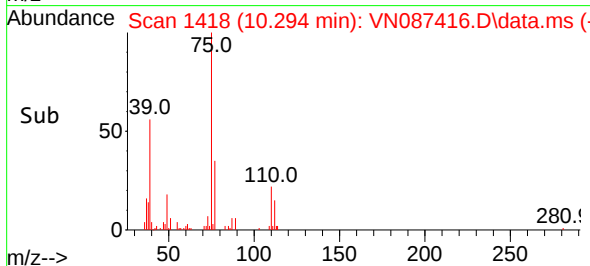
Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001MSD



Tgt Ion: 75 Resp: 5285
 Ion Ratio Lower Upper
 75 100
 77 35.1 27.4 41.0
 39 56.2 46.3 69.5

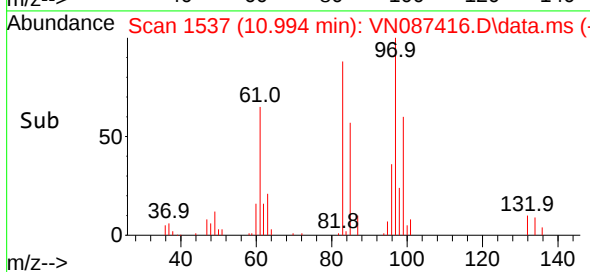
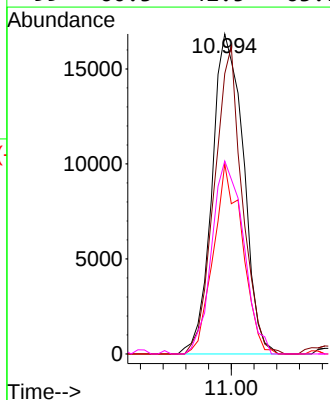
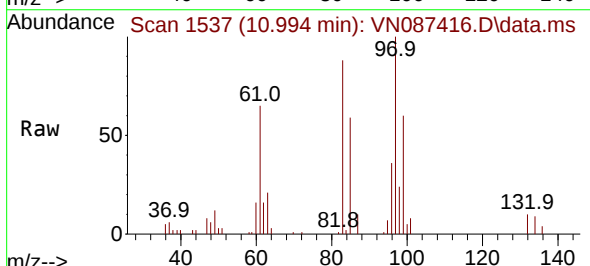
Manual Integrations
 APPROVED

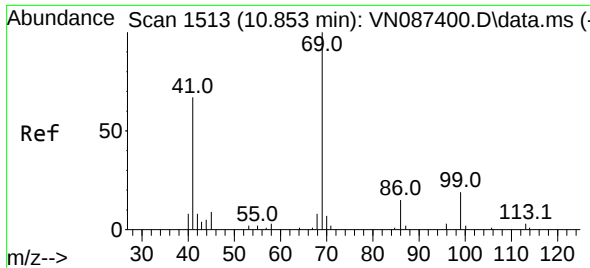
Reviewed By :John Carlone 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.415 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11

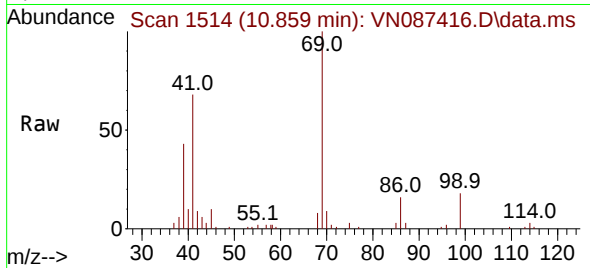
Tgt Ion: 97 Resp: 32304
 Ion Ratio Lower Upper
 97 100
 83 87.6 68.9 103.3
 85 59.4 42.2 63.2
 99 60.3 42.5 63.7





#51
Ethyl methacrylate
Concen: 17.362 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

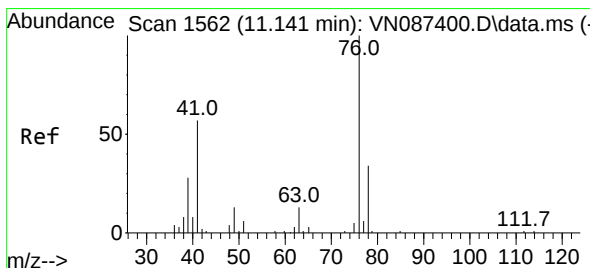
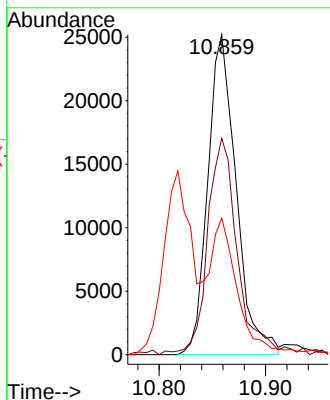
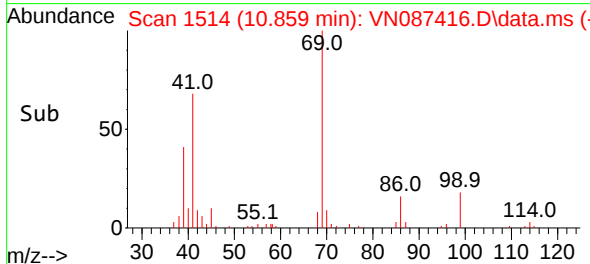
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 69 Resp: 46574
Ion Ratio Lower Upper
69 100
41 66.5 33.7 101.1
39 40.9 21.6 65.0

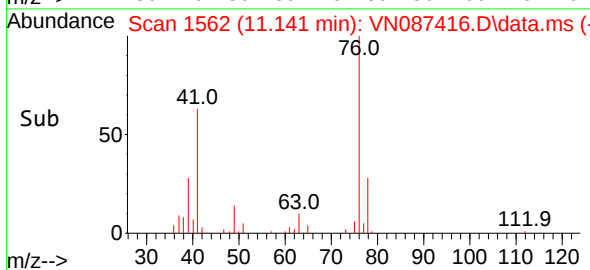
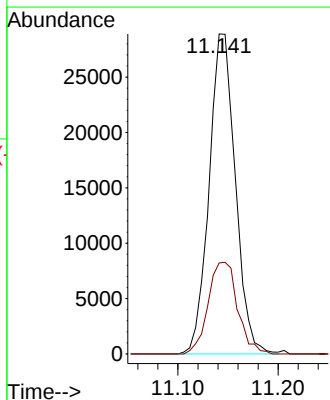
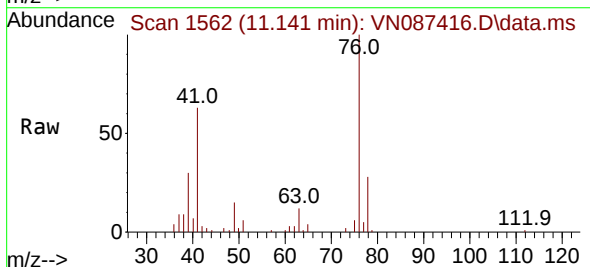
Manual Integrations
APPROVED

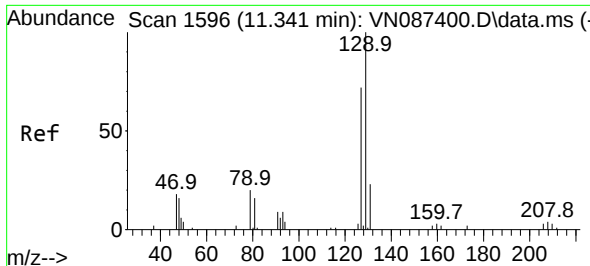
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#52
1,3-Dichloropropane
Concen: 17.451 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

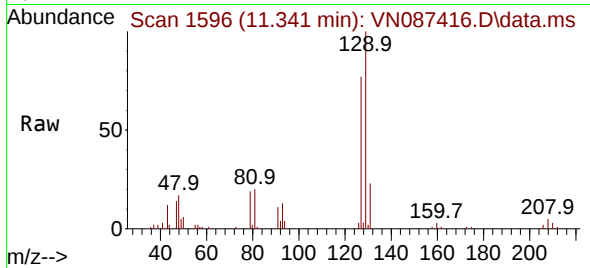
Tgt Ion: 76 Resp: 52633
Ion Ratio Lower Upper
76 100
78 32.0 0.0 67.4





#53
Dibromochloromethane
Concen: 20.040 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

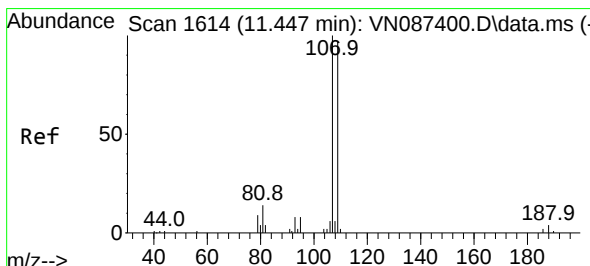
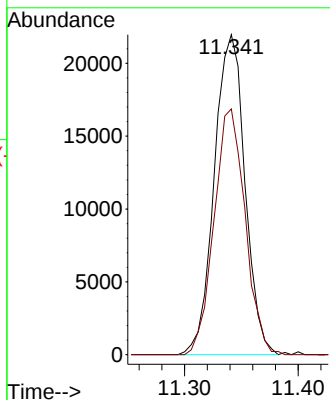
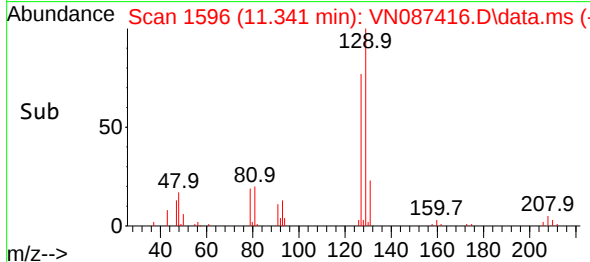
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



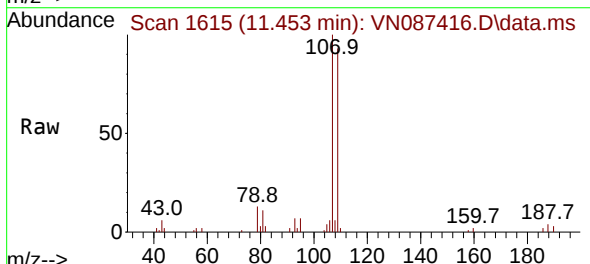
Tgt Ion:129 Resp: 4120
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1

Manual Integrations
APPROVED

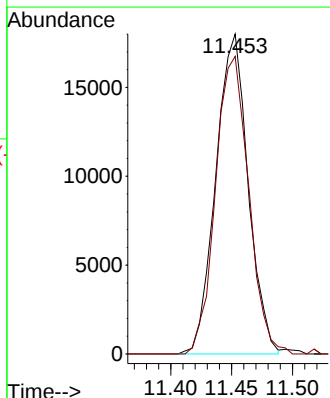
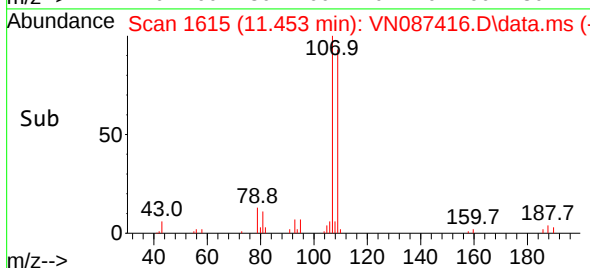
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

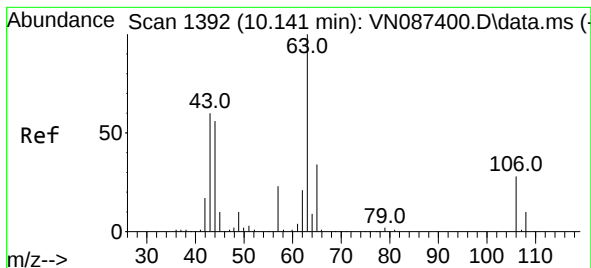


#54
1,2-Dibromoethane
Concen: 18.534 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11



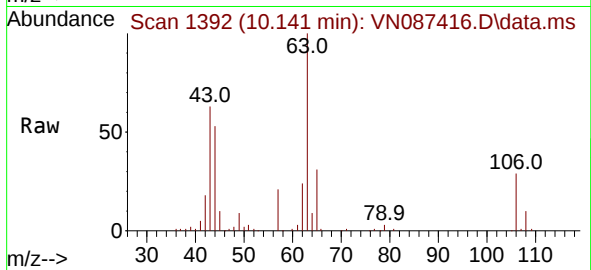
Tgt Ion:107 Resp: 33325
Ion Ratio Lower Upper
107 100
109 95.2 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 76.010 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

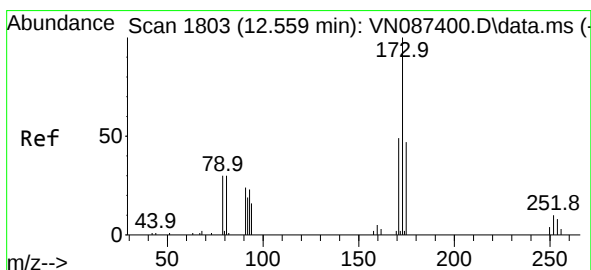
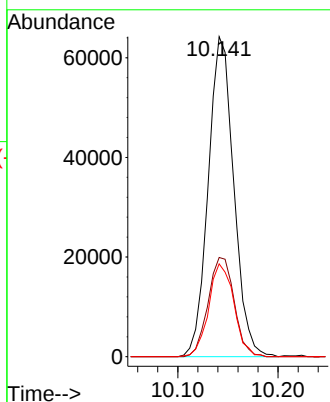
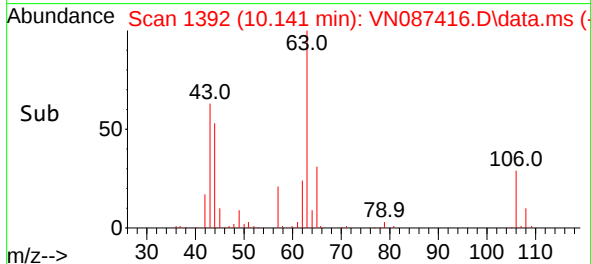
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 63 Resp: 113429
Ion Ratio Lower Upper
63 100
65 31.6 25.8 38.8
106 28.7 23.0 34.4

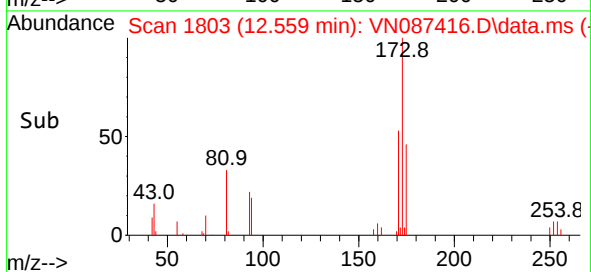
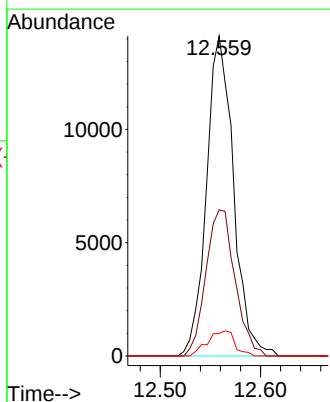
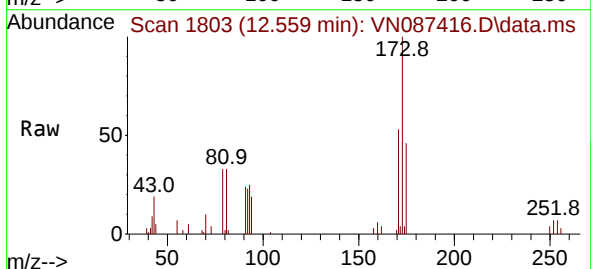
Manual Integrations
APPROVED

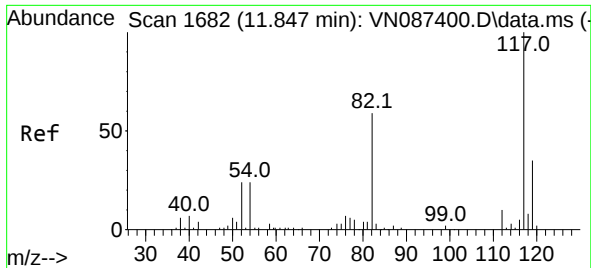
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#56
Bromoform
Concen: 18.059 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion:173 Resp: 26407
Ion Ratio Lower Upper
173 100
175 49.2 38.4 57.6
254 7.7 6.7 10.1





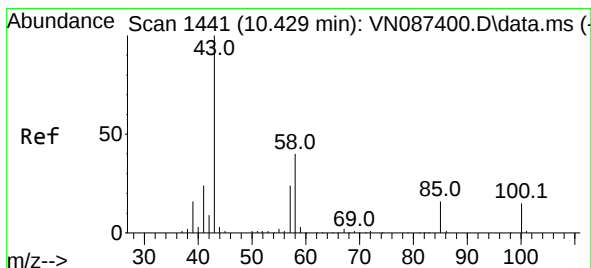
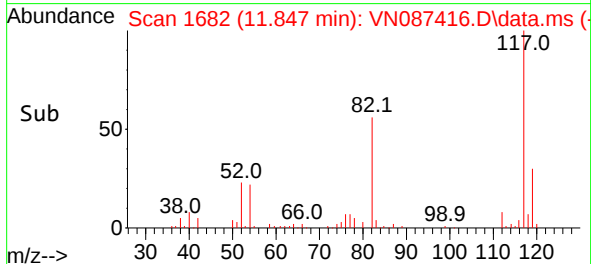
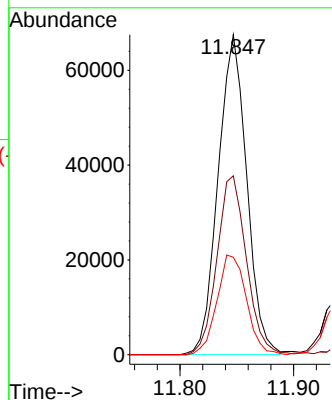
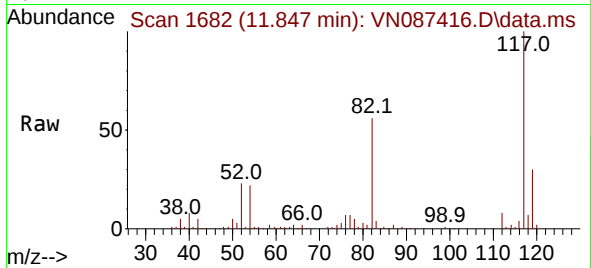
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11809
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:117 Resp: 11809
Ion Ratio Lower Upper
117 100
82 57.6 44.1 66.1
119 32.1 25.4 38.2

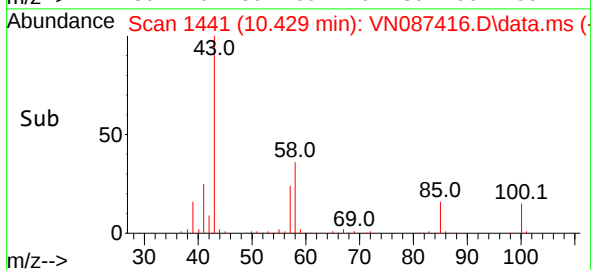
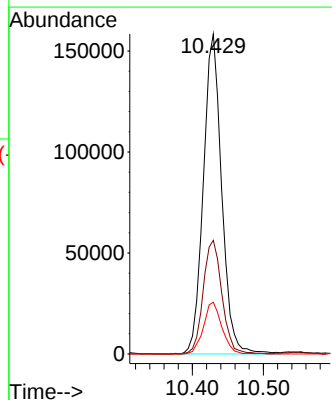
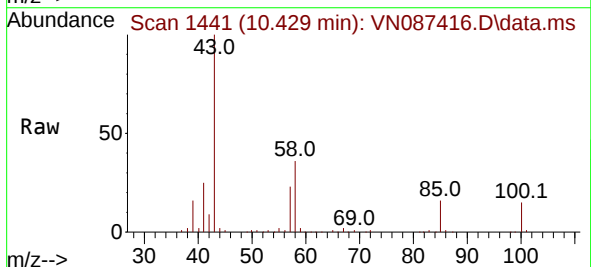
Manual Integrations
APPROVED

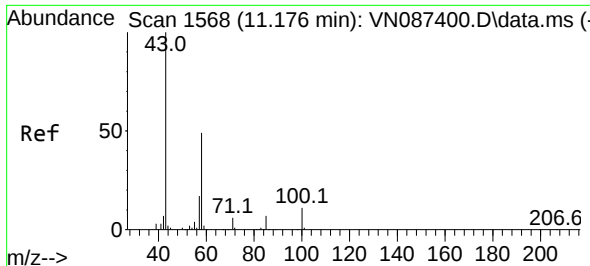
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#58
4-Methyl-2-Pentanone
Concen: 98.754 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

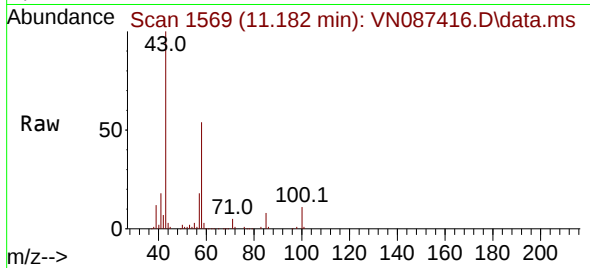
Tgt Ion: 43 Resp: 285168
Ion Ratio Lower Upper
43 100
58 36.3 29.5 44.3
85 16.2 13.3 19.9





#59
2-Hexanone
Concen: 93.922 ug/l
RT: 11.182 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

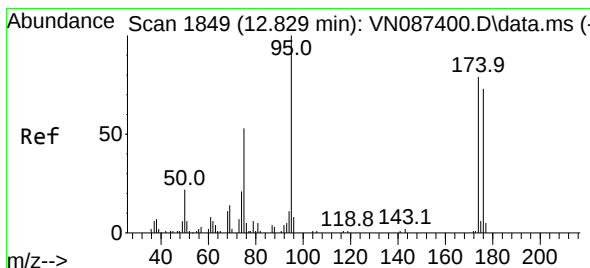
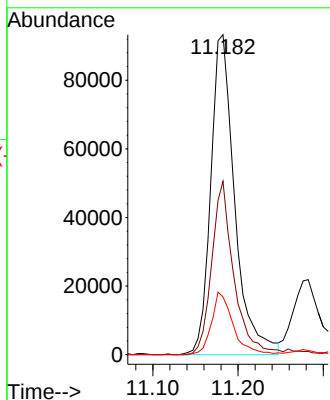
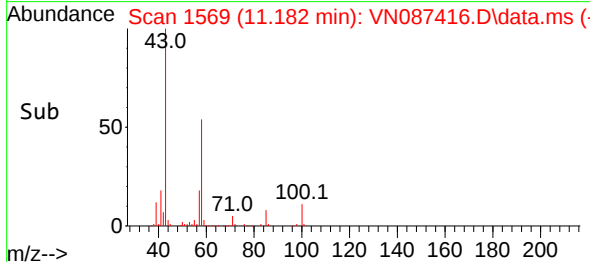
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 43 Resp: 18306
Ion Ratio Lower Upper
43 100
58 49.7 40.5 60.7
57 17.6 14.0 21.0

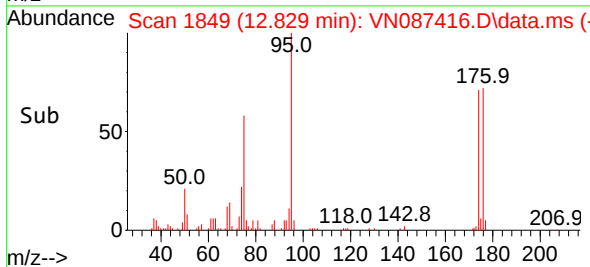
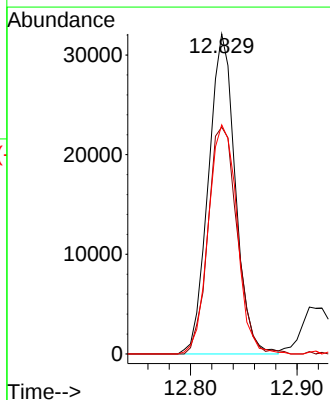
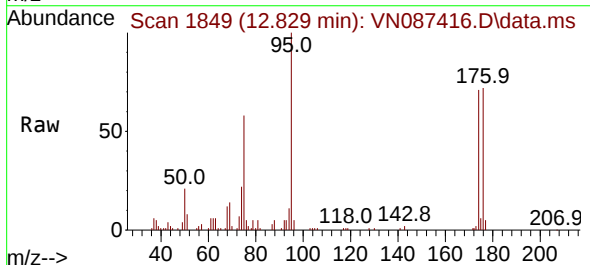
Manual Integrations
APPROVED

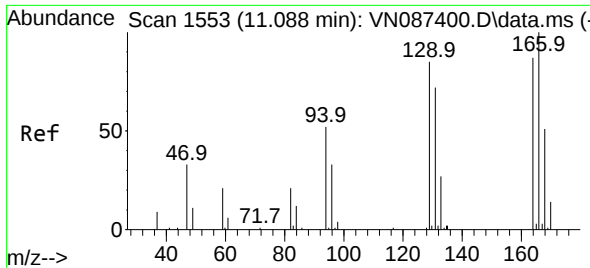
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#60
4-Bromofluorobenzene
Concen: 28.627 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

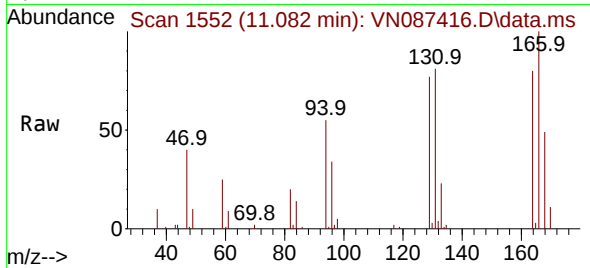
Tgt Ion: 95 Resp: 56400
Ion Ratio Lower Upper
95 100
174 76.3 62.1 93.1
176 76.3 57.9 86.9





#61
Tetrachloroethene
Concen: 18.883 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

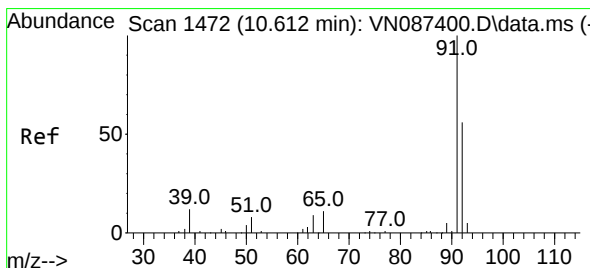
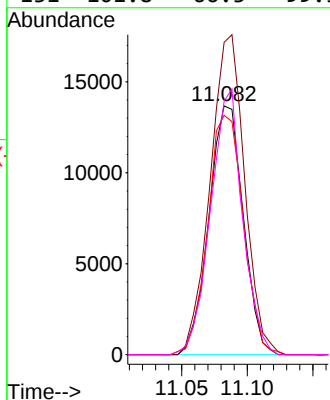
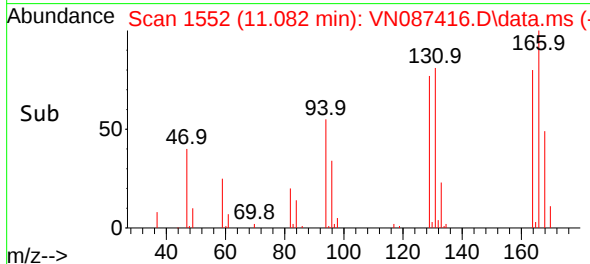
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:164 Resp: 2490
Ion Ratio Lower Upper
164 100
166 125.5 91.7 137.5
129 94.9 77.8 116.6
131 101.8 66.3 99.5#

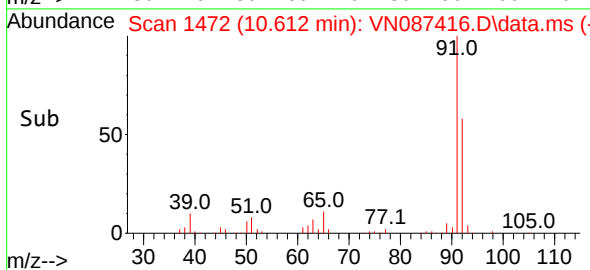
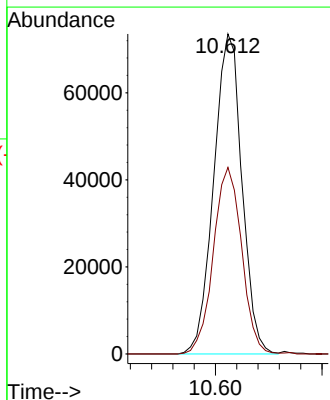
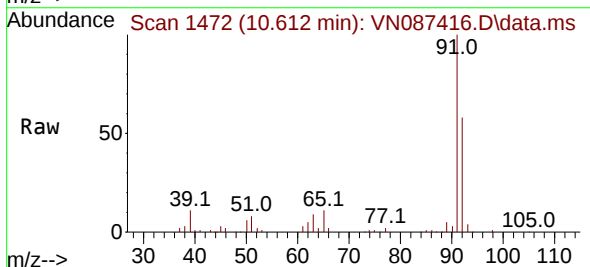
Manual Integrations
APPROVED

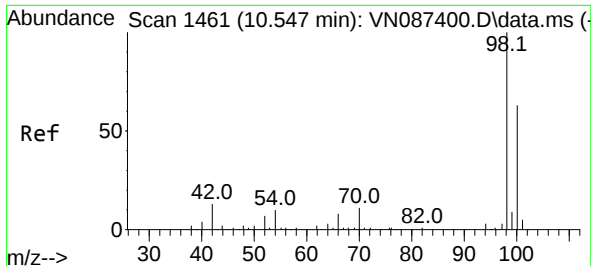
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#62
Toluene
Concen: 18.787 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

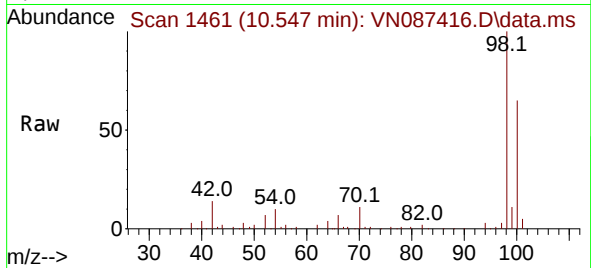
Tgt Ion: 91 Resp: 135115
Ion Ratio Lower Upper
91 100
92 58.4 47.4 71.0





#63
Toluene-d8
Concen: 30.303 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

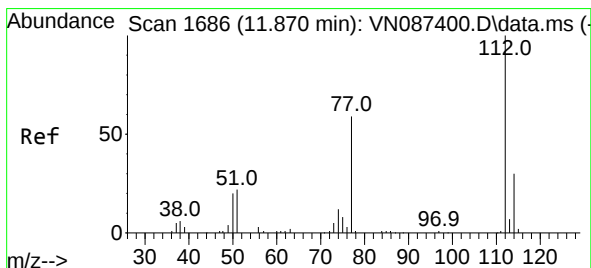
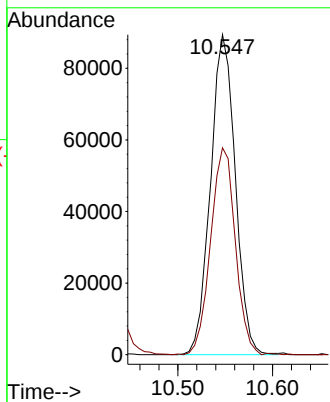
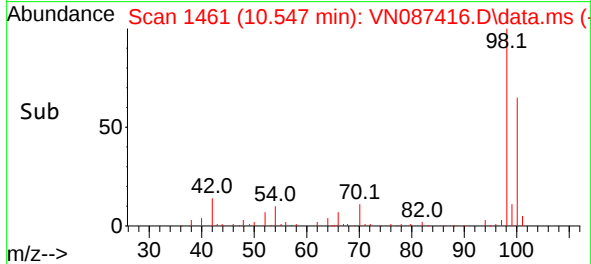
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 98 Resp: 162744
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

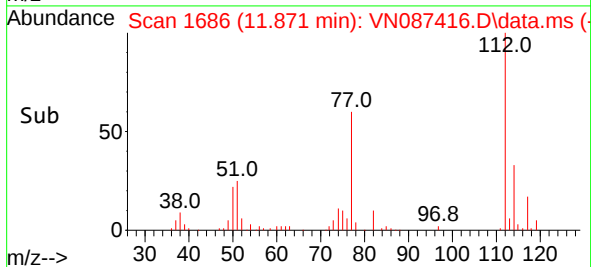
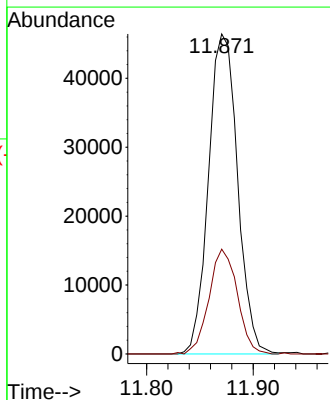
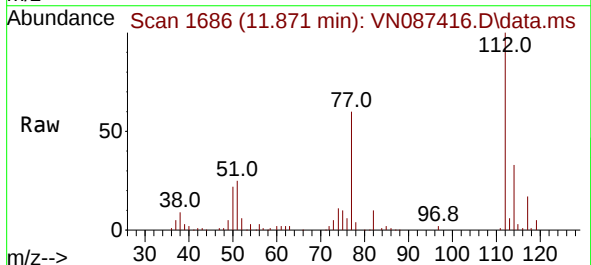
Manual Integrations
APPROVED

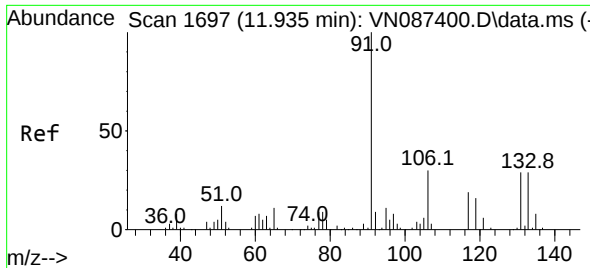
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#64
Chlorobenzene
Concen: 19.168 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion:112 Resp: 88134
Ion Ratio Lower Upper
112 100
114 32.7 24.0 36.0





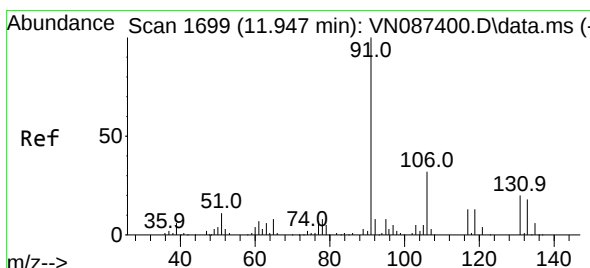
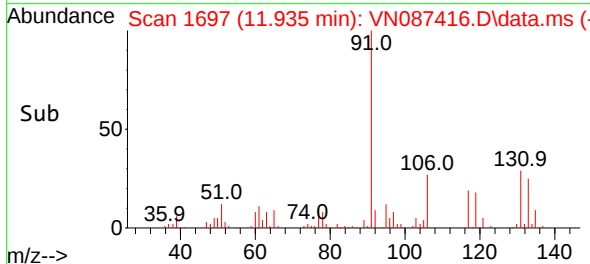
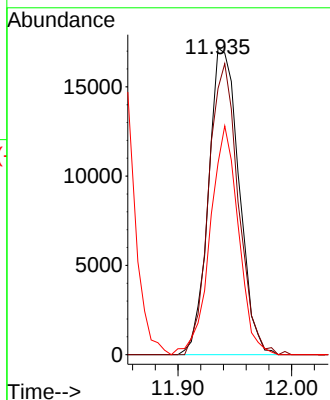
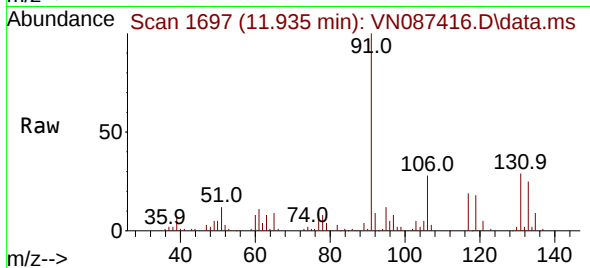
#65
1,1,1,2-Tetrachloroethane
Concen: 19.067 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:131 Resp: 32039
Ion Ratio Lower Upper
131 100
133 92.3 0.0 193.0
119 69.2 0.0 128.2

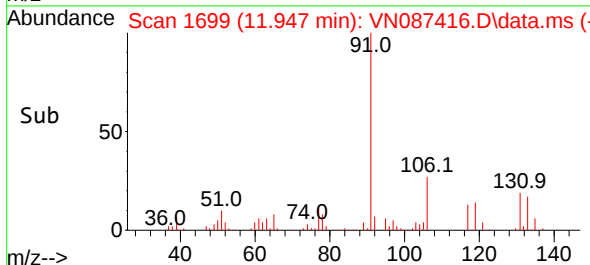
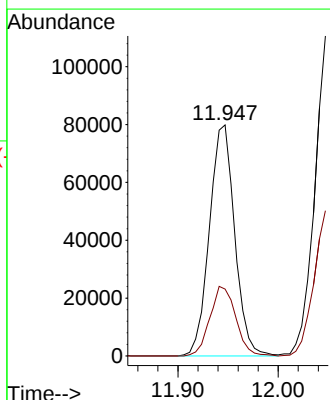
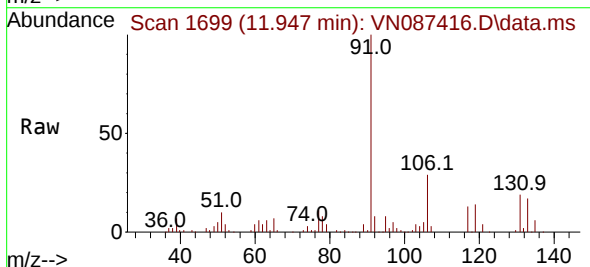
Manual Integrations
APPROVED

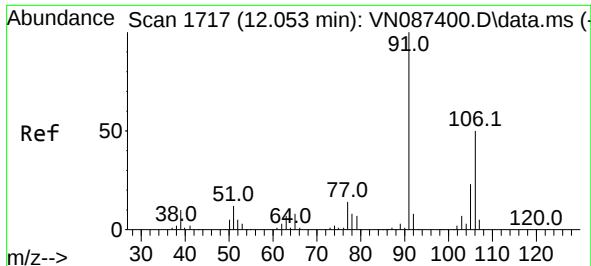
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#66
Ethyl Benzene
Concen: 18.004 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 91 Resp: 140183
Ion Ratio Lower Upper
91 100
106 28.9 25.8 38.6





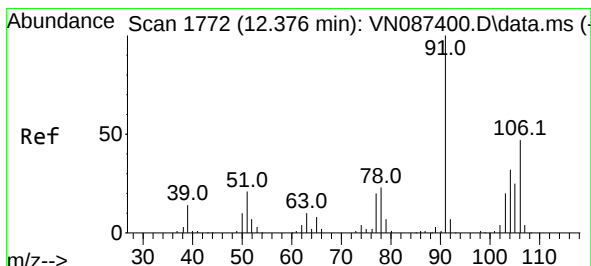
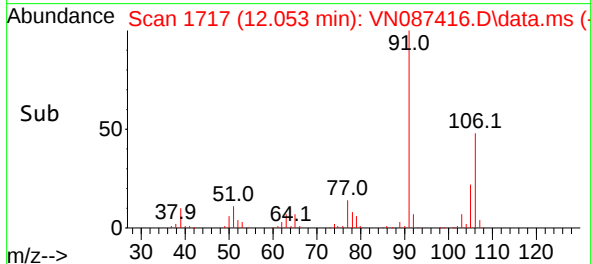
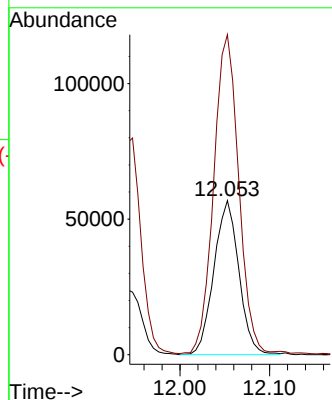
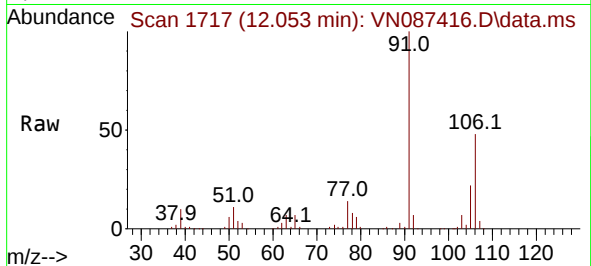
#67
m/p-Xylenes
Concen: 35.687 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:106 Resp: 109964
Ion Ratio Lower Upper
106 100
91 206.9 163.4 245.2

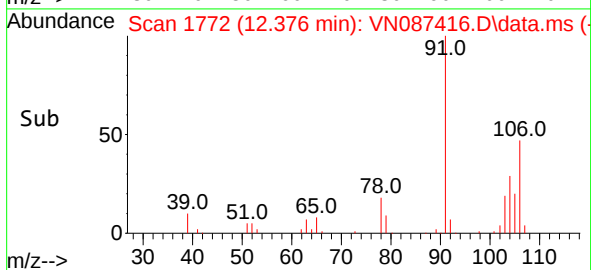
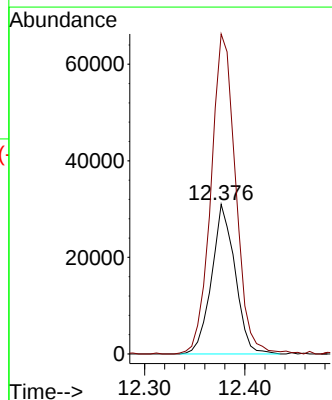
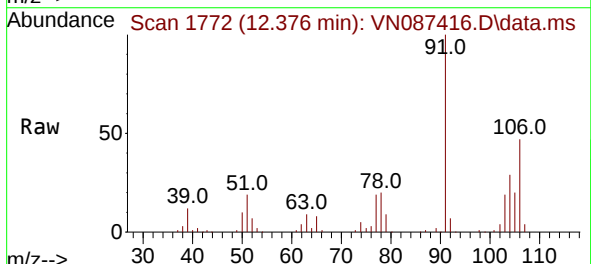
Manual Integrations
APPROVED

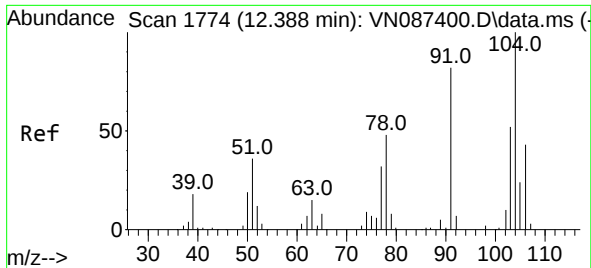
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#68
o-Xylene
Concen: 17.011 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion:106 Resp: 50281
Ion Ratio Lower Upper
106 100
91 224.9 106.6 319.8





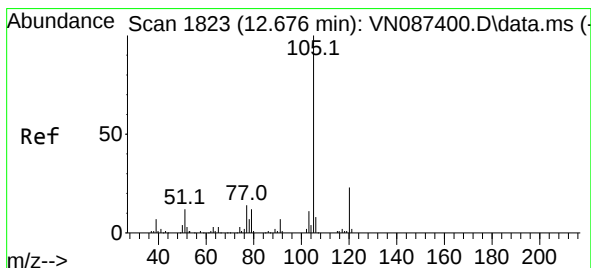
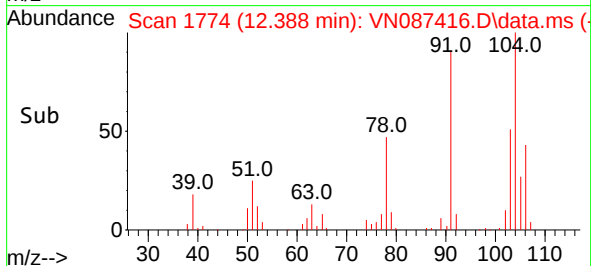
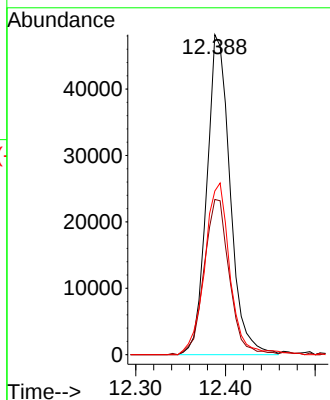
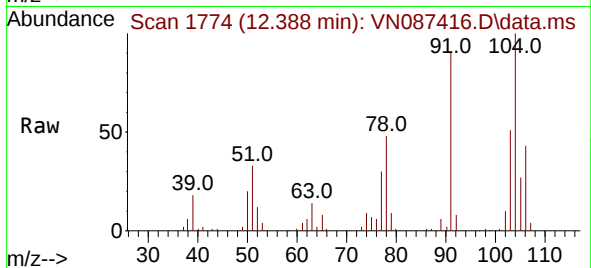
#69
Styrene
Concen: 16.943 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:104 Resp: 87132
Ion Ratio Lower Upper
104 100
78 52.2 40.7 61.1
103 57.1 43.4 65.2

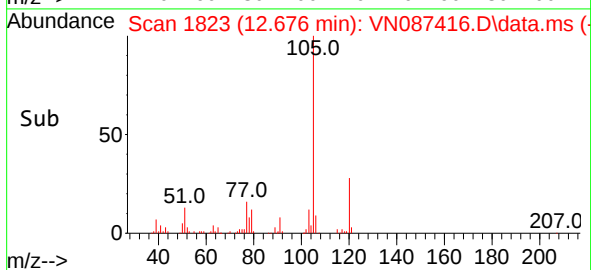
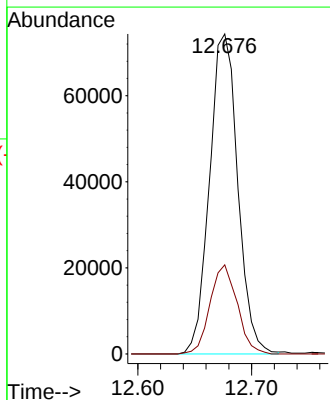
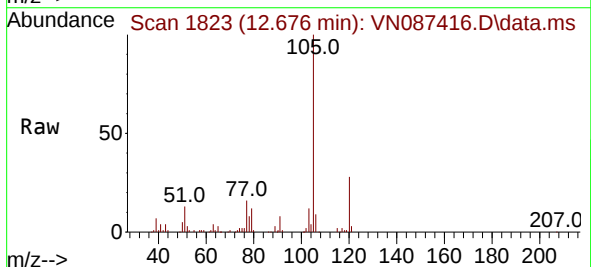
Manual Integrations
APPROVED

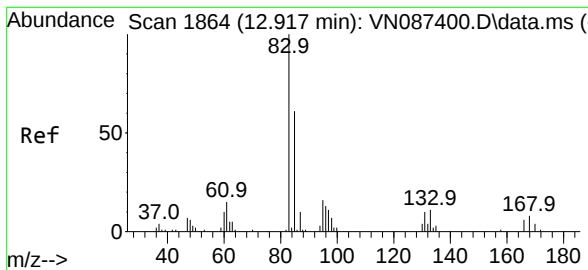
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#70
Isopropylbenzene
Concen: 17.274 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

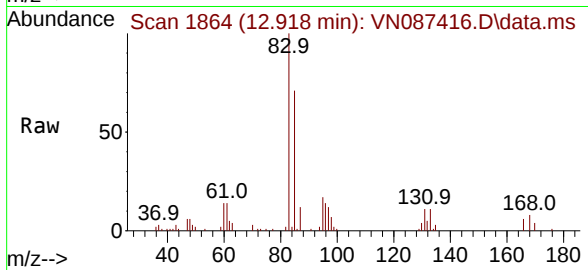
Tgt Ion:105 Resp: 128594
Ion Ratio Lower Upper
105 100
120 26.7 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 19.177 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

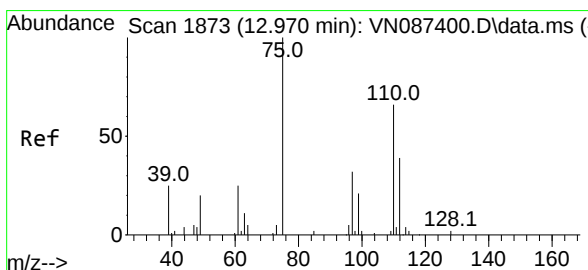
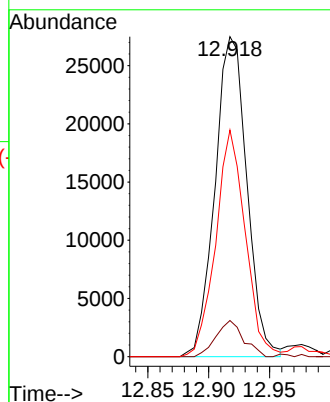
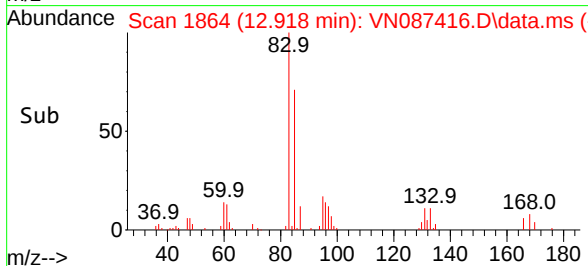
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 83 Resp: 50220
Ion Ratio Lower Upper
83 100
131 9.7 4.6 13.8
85 65.4 30.6 91.6

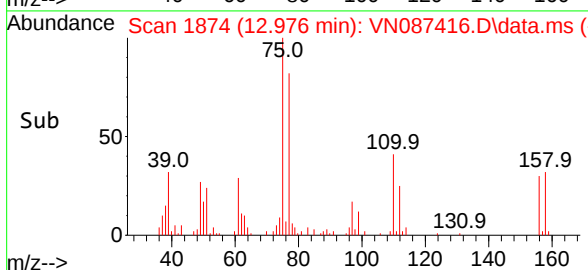
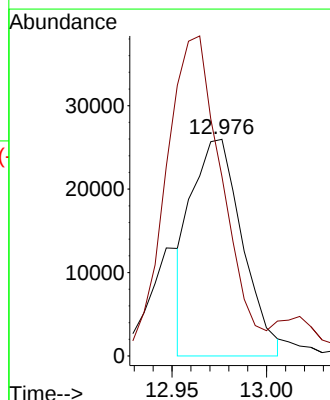
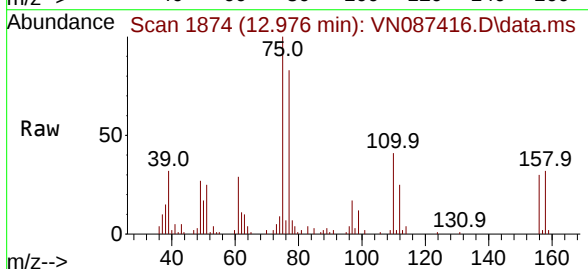
Manual Integrations
APPROVED

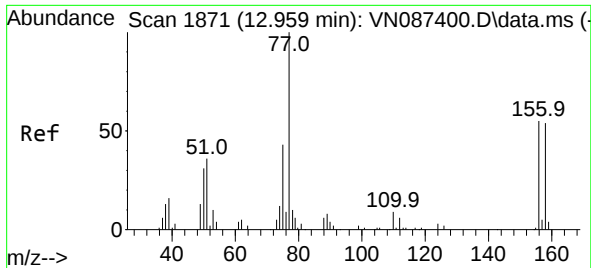
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#72
1,2,3-Trichloropropane
Concen: 20.749 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

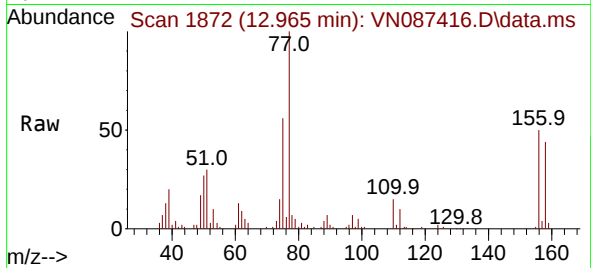
Tgt Ion: 75 Resp: 48541
Ion Ratio Lower Upper
75 100
77 165.2 0.0 361.2





#73
Bromobenzene
Concen: 18.295 ug/l
RT: 12.965 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

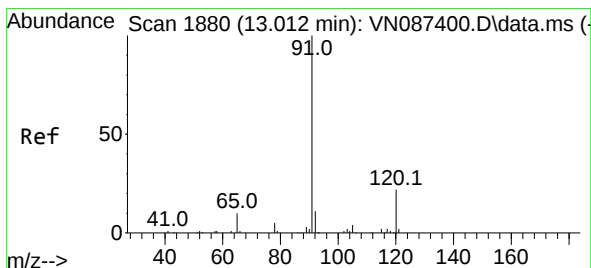
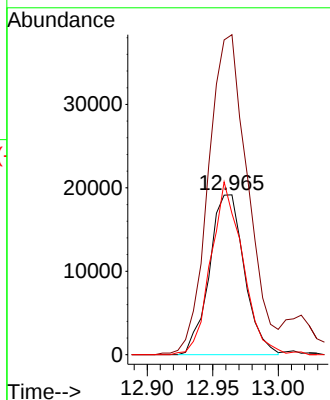
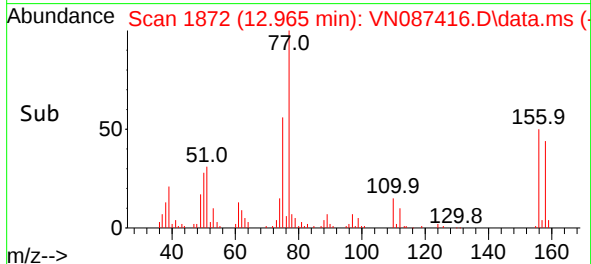
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:156 Resp: 35449
Ion Ratio Lower Upper
156 100
77 226.2 0.0 440.6
158 98.6 0.0 195.0

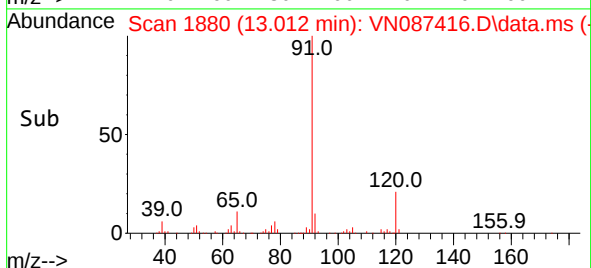
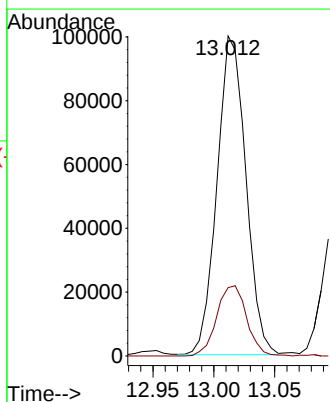
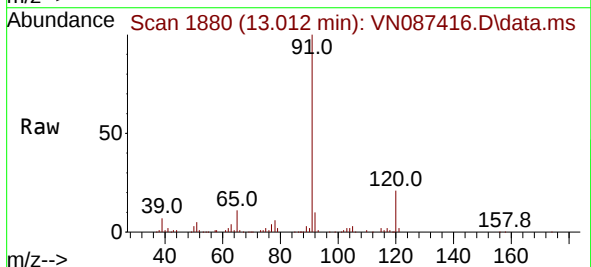
Manual Integrations
APPROVED

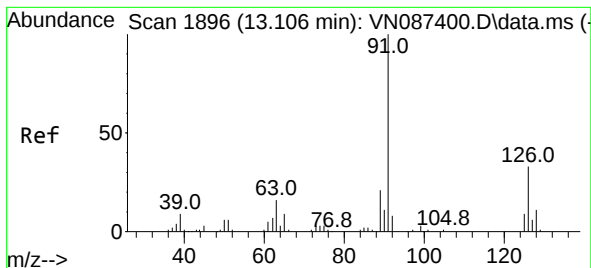
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#74
n-propylbenzene
Concen: 17.531 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 91 Resp: 164804
Ion Ratio Lower Upper
91 100
120 22.8 0.0 44.6





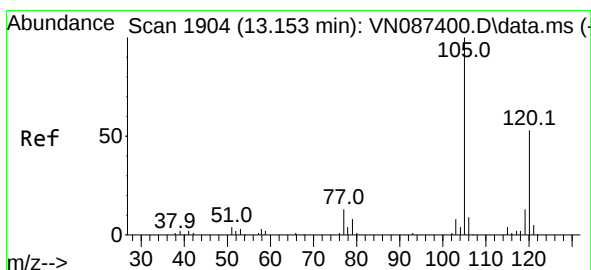
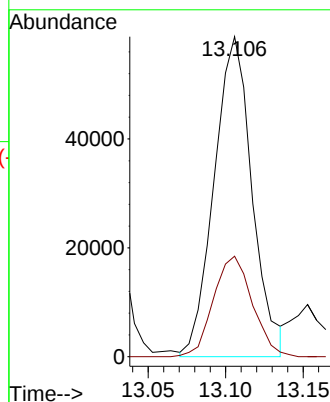
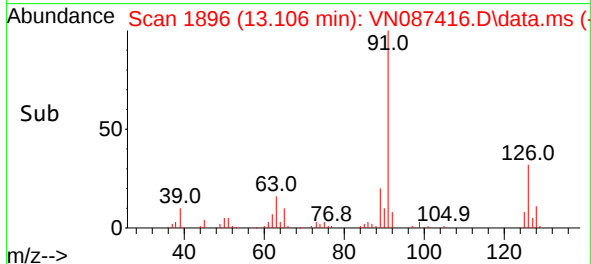
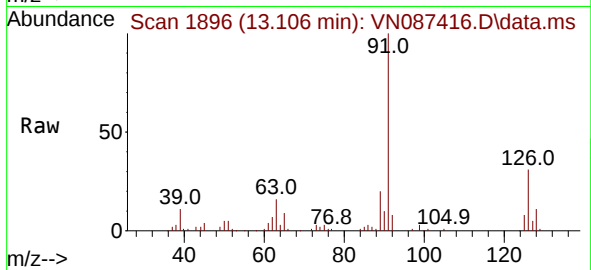
#75
2-Chlorotoluene
Concen: 17.722 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion: 91 Resp: 10006
Ion Ratio Lower Upper
91 100
126 32.2 0.0 65.4

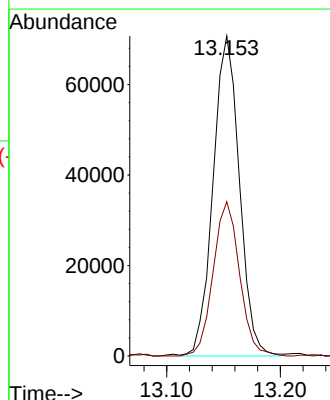
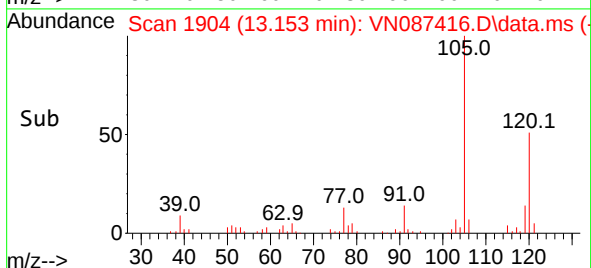
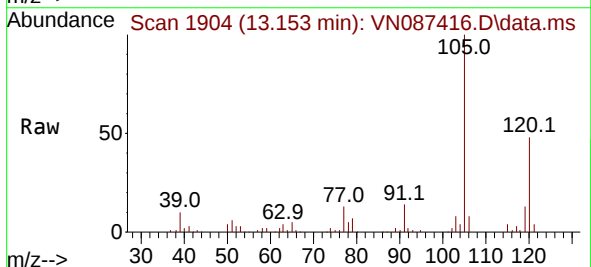
Manual Integrations
APPROVED

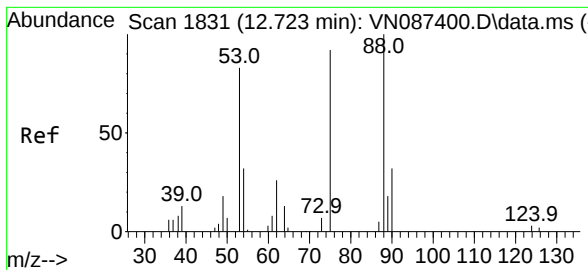
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.563 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion:105 Resp: 113721
Ion Ratio Lower Upper
105 100
120 48.4 0.0 97.4





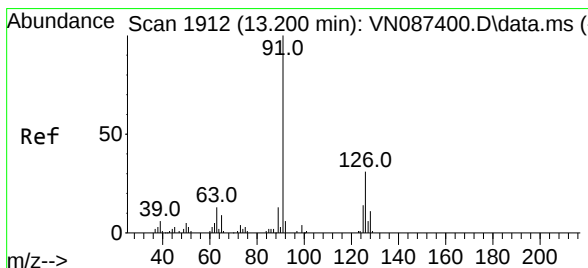
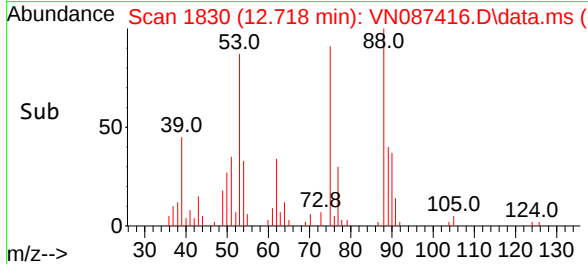
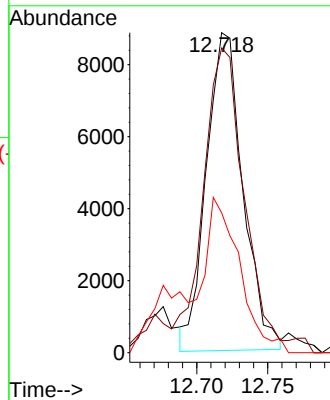
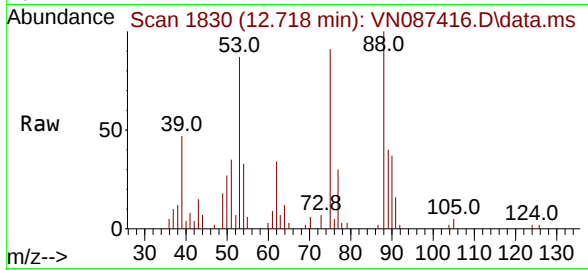
#77
t-1,4-Dichloro-2-butene
Concen: 16.910 ug/l
RT: 12.718 min Scan# 1831
Delta R.T. -0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion: 75 Resp: 15810
Ion Ratio Lower Upper
75 100
53 95.1 44.0 131.8
89 40.9 17.0 50.9

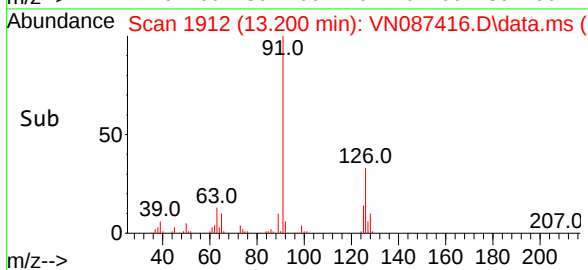
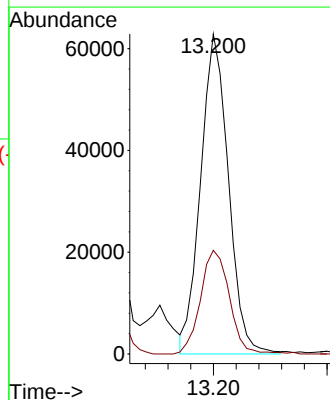
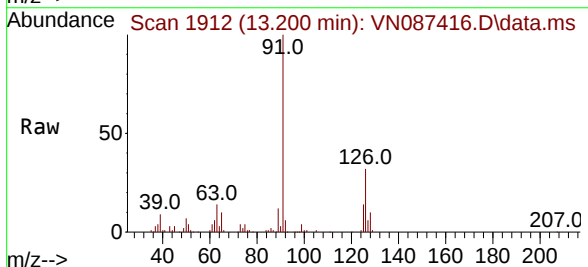
Manual Integrations
APPROVED

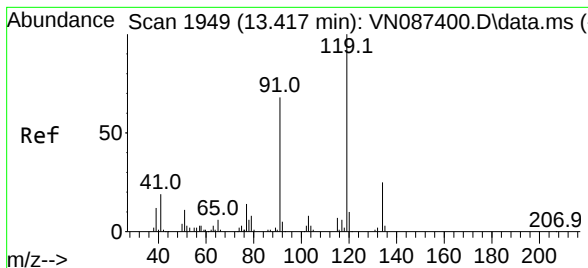
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#78
4-Chlorotoluene
Concen: 17.743 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion: 91 Resp: 106841
Ion Ratio Lower Upper
91 100
126 33.3 0.0 66.6





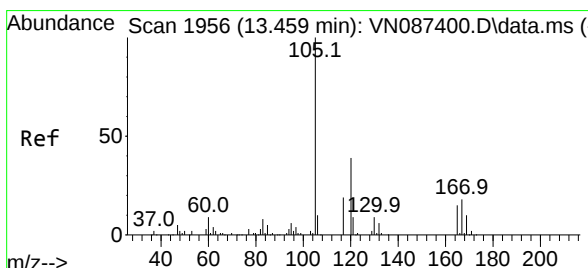
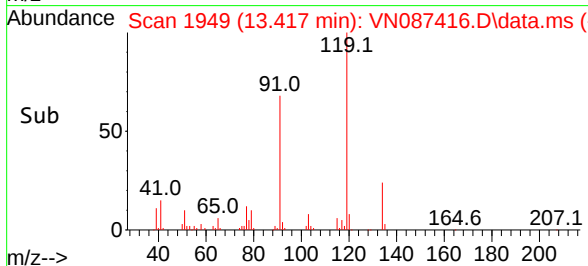
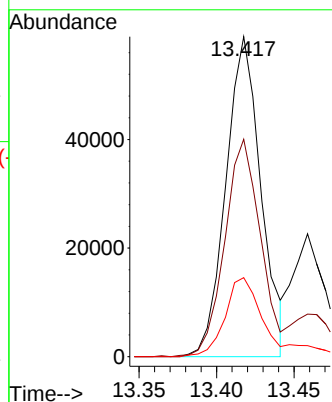
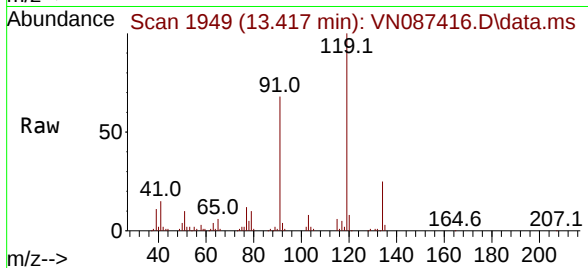
#79
tert-butylbenzene
Concen: 16.884 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD

Tgt Ion:119 Resp: 9284
Ion Ratio Lower Upper
119 100
91 68.9 0.0 134.8
134 24.9 0.0 52.0

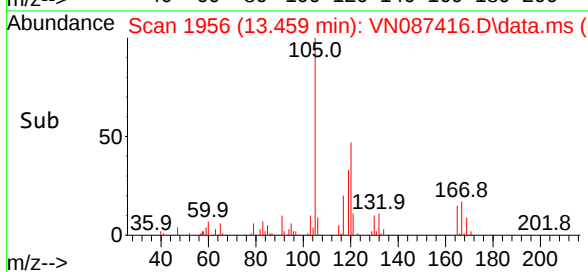
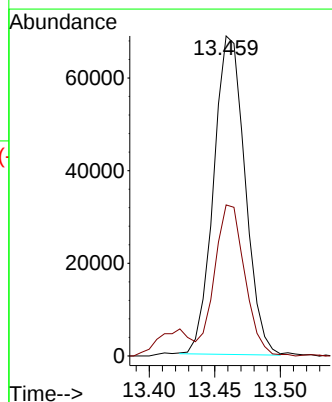
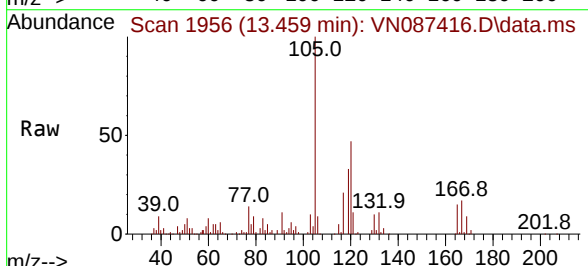
Manual Integrations
APPROVED

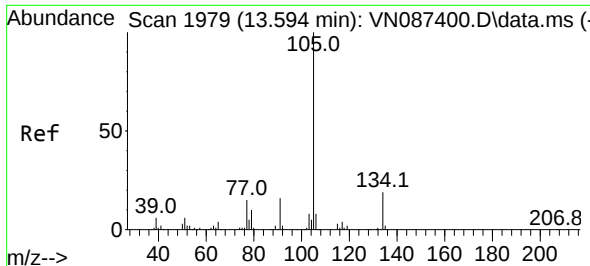
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.295 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

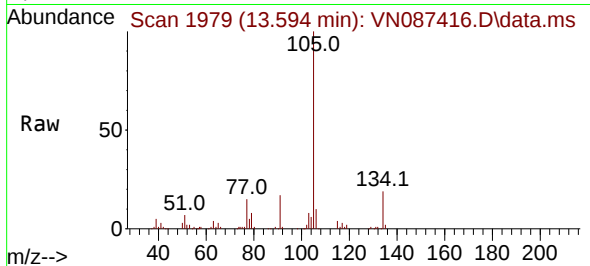
Tgt Ion:105 Resp: 114320
Ion Ratio Lower Upper
105 100
120 45.6 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 17.423 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11

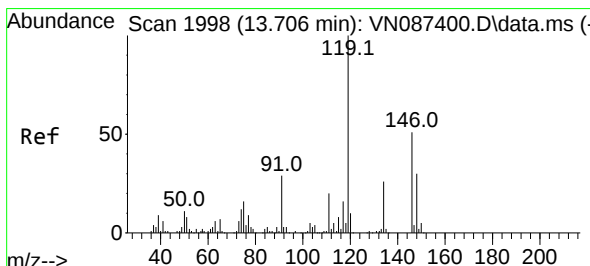
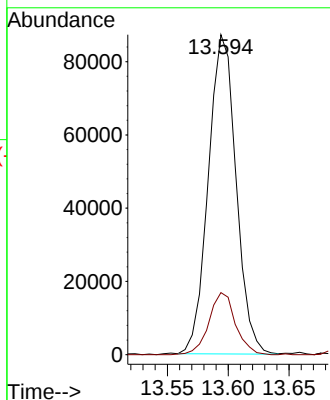
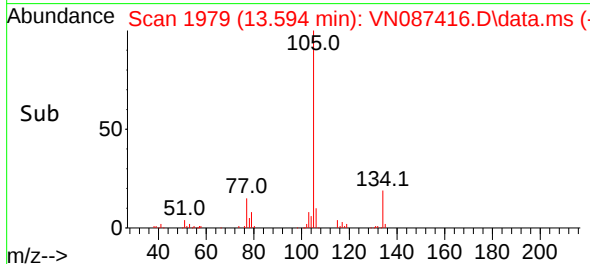
Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001MSD



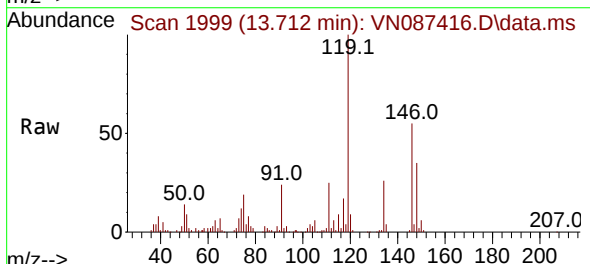
Tgt Ion:105 Resp: 138278
 Ion Ratio Lower Upper
 105 100
 134 18.6 0.0 39.6

Manual Integrations
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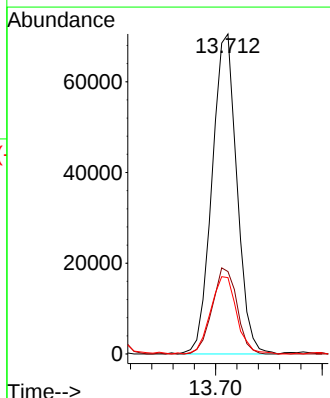
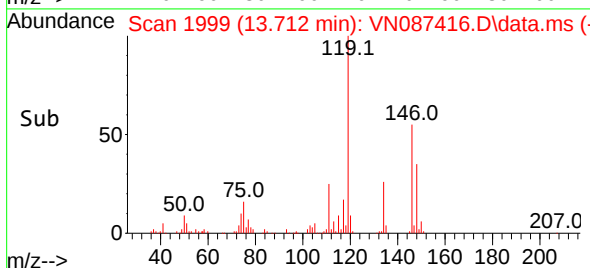
Reviewed By :John Carlone 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025

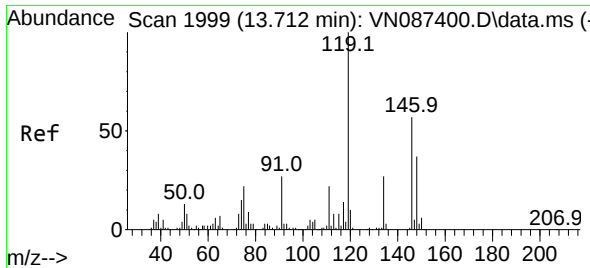


#82
 p-Isopropyltoluene
 Concen: 16.760 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN087416.D
 Acq: 24 Jul 2025 14:11



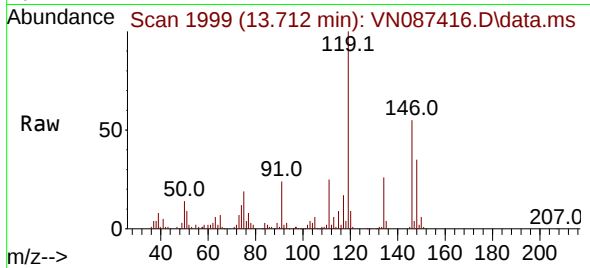
Tgt Ion:119 Resp: 114161
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 51.8
 91 25.4 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 17.303 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

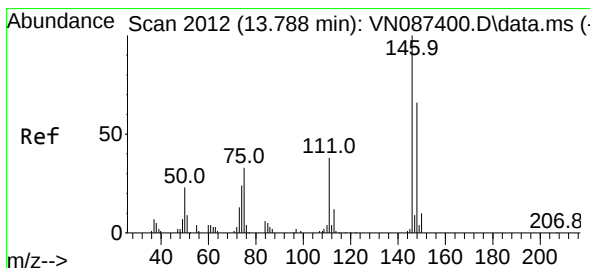
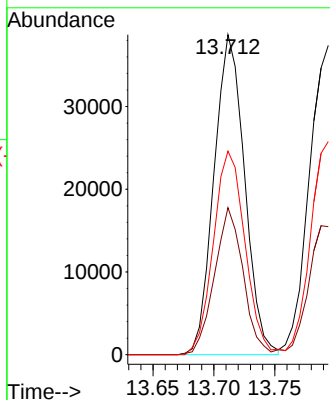
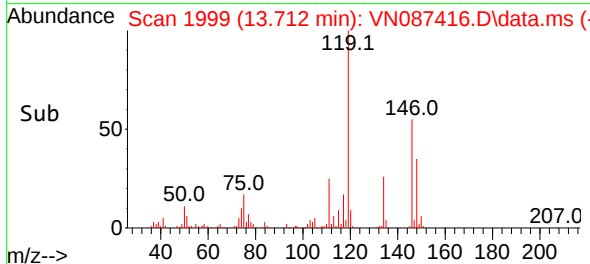
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



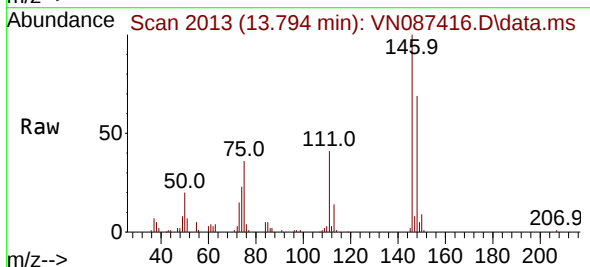
Tgt Ion:146 Resp: 6755
Ion Ratio Lower Upper
146 100
111 43.1 20.2 60.6
148 66.1 31.7 95.1

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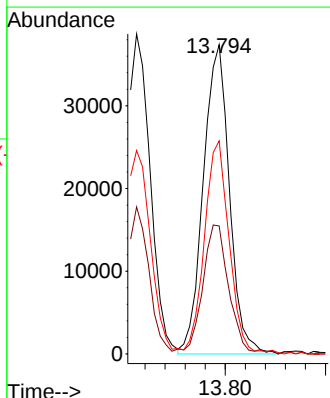
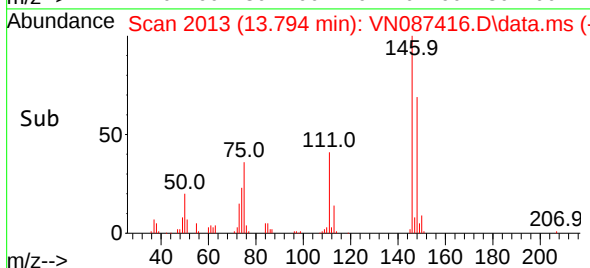
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

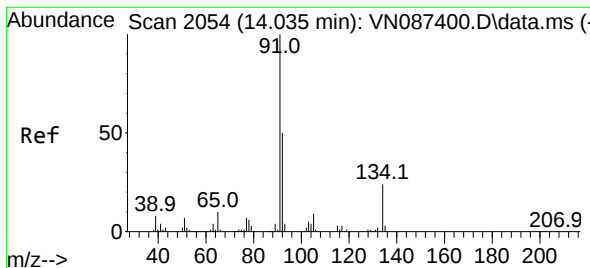


#84
1,4-Dichlorobenzene
Concen: 17.548 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11



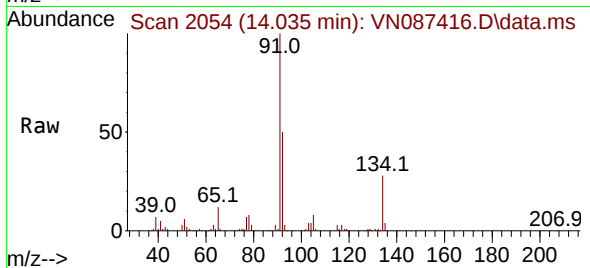
Tgt Ion:146 Resp: 67619
Ion Ratio Lower Upper
146 100
111 41.5 19.4 58.1
148 65.0 32.4 97.2





#85
n-Butylbenzene
Concen: 17.122 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

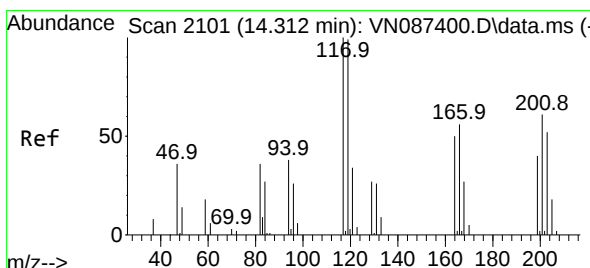
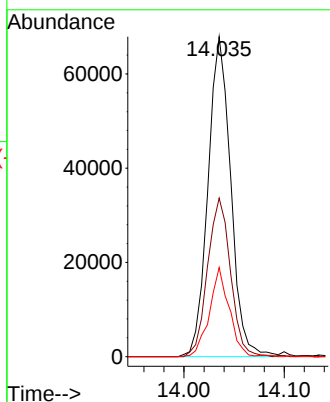
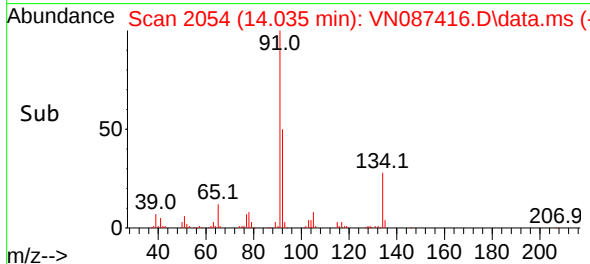
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion: 91 Resp: 107410
Ion Ratio Lower Upper
91 100
92 49.8 0.0 101.4
134 24.2 0.0 48.6

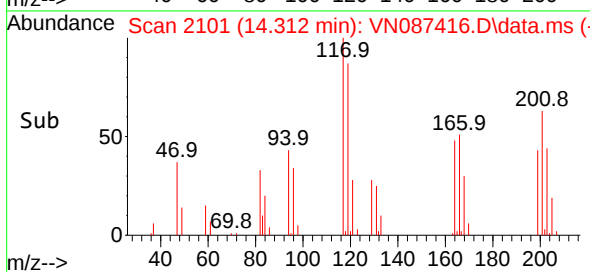
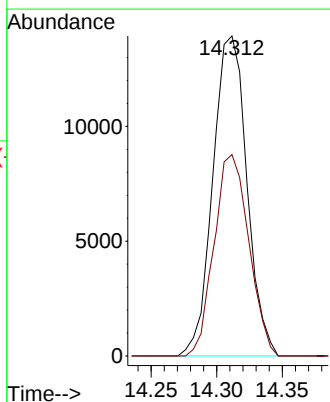
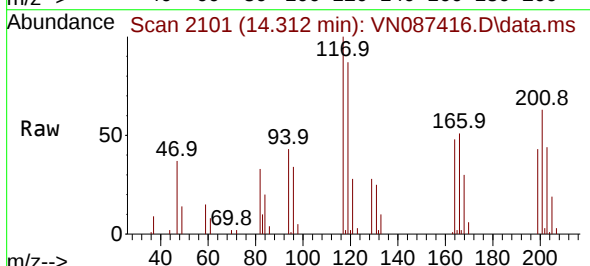
Manual Integrations
APPROVED

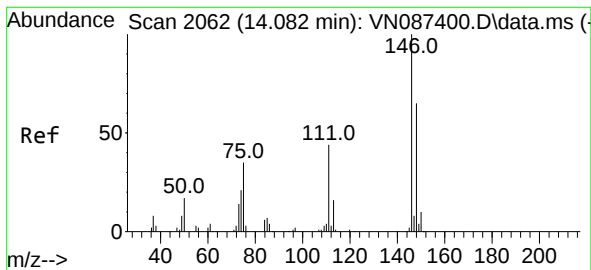
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#86
Hexachloroethane
Concen: 18.957 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

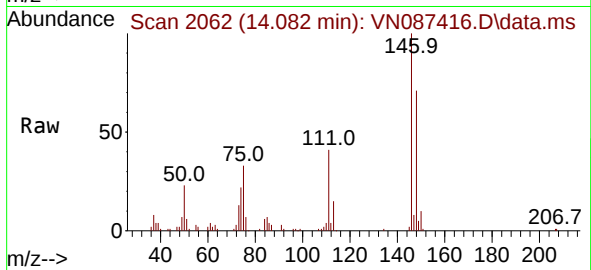
Tgt Ion:117 Resp: 25128
Ion Ratio Lower Upper
117 100
201 64.2 34.2 102.5





#87
1,2-Dichlorobenzene
Concen: 17.540 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

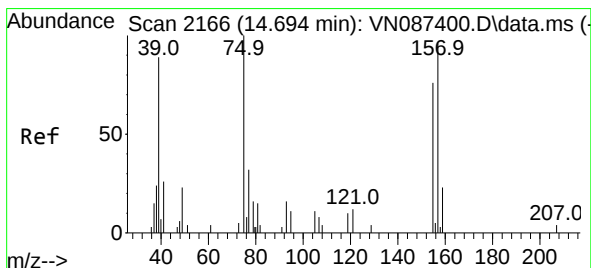
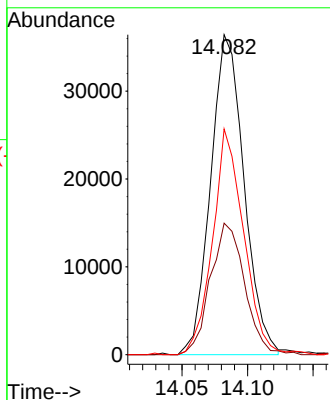
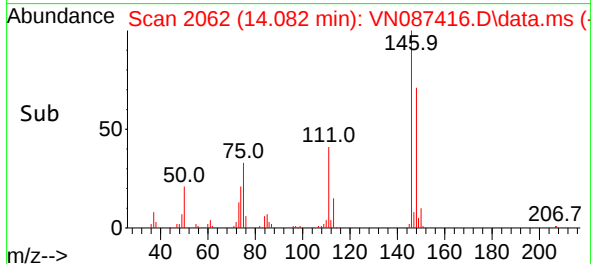
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:146 Resp: 64472
Ion Ratio Lower Upper
146 100
111 42.2 21.9 65.8
148 65.4 31.2 93.6

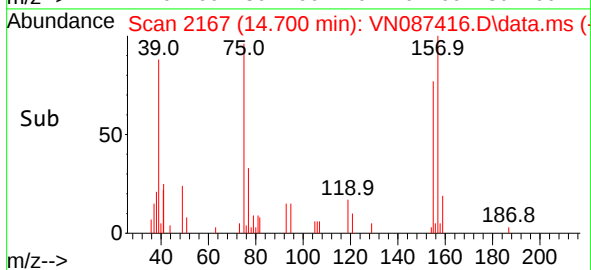
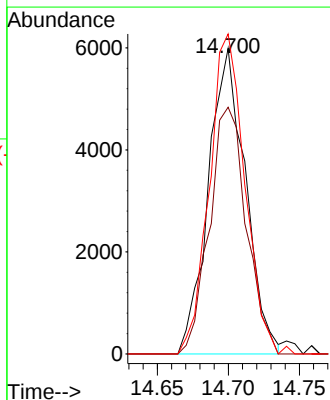
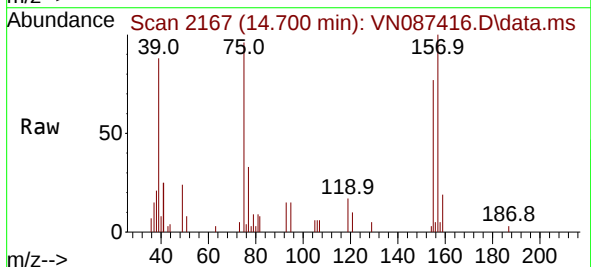
Manual Integrations
APPROVED

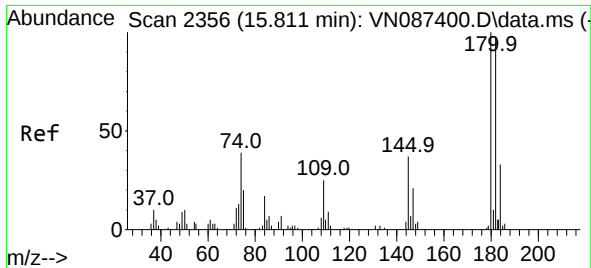
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.801 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

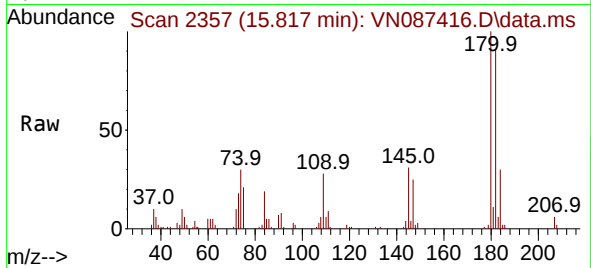
Tgt Ion: 75 Resp: 10846
Ion Ratio Lower Upper
75 100
155 80.6 61.3 91.9
157 100.2 85.5 128.3





#89
1,2,4-Trichlorobenzene
Concen: 17.363 ug/l
RT: 15.817 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

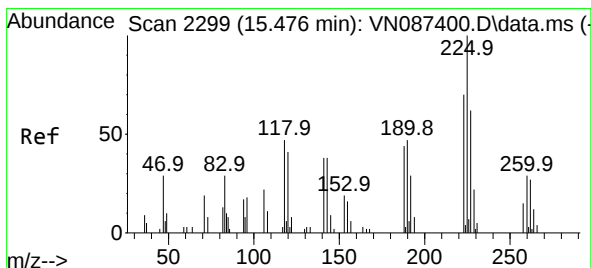
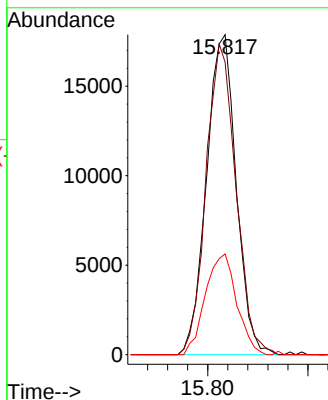
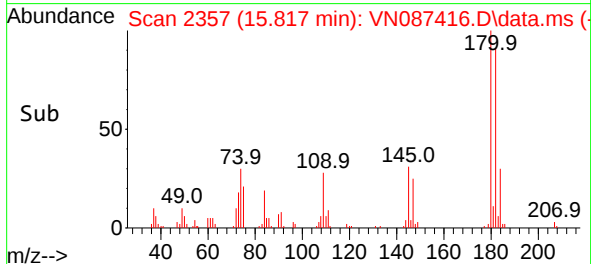
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



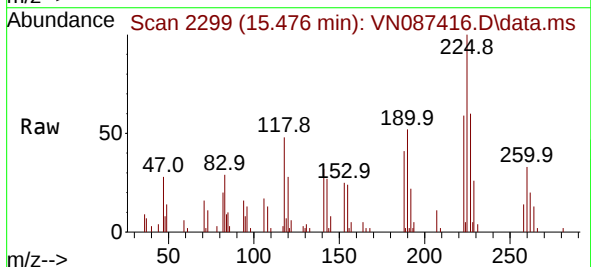
Tgt Ion:180 Resp: 36810
Ion Ratio Lower Upper
180 100
182 97.5 74.2 111.2
145 33.1 29.3 43.9

Manual Integrations
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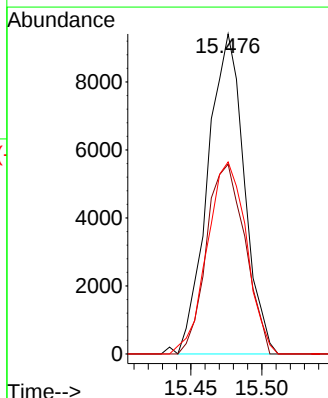
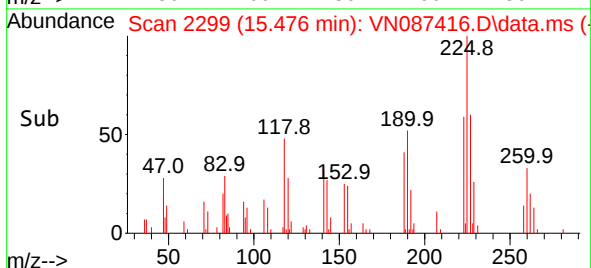
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

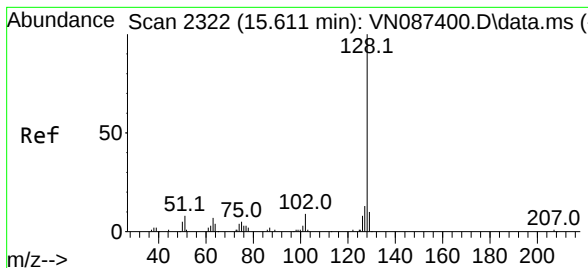


#90
Hexachlorobutadiene
Concen: 19.226 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11



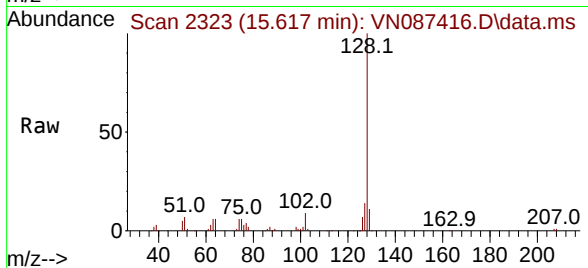
Tgt Ion:225 Resp: 16815
Ion Ratio Lower Upper
225 100
223 62.7 0.0 125.2
227 64.6 0.0 122.4





#91
Naphthalene
Concen: 17.794 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

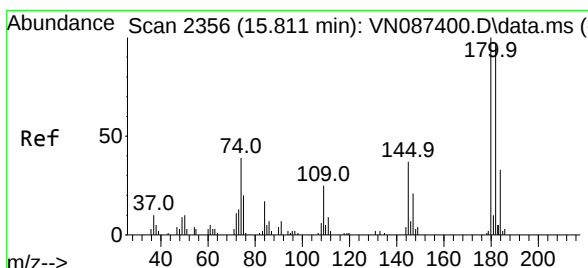
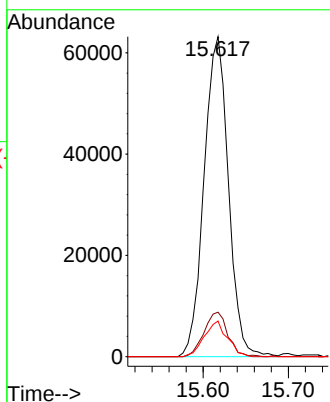
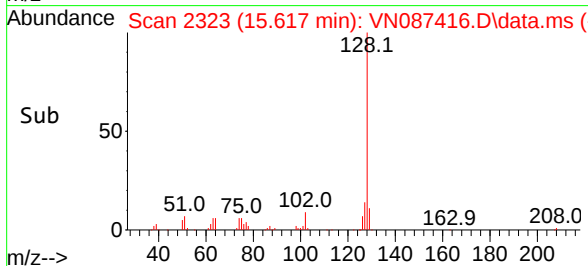
Instrument :
MSVOA_N
ClientSampleId :
DSN001MSD



Tgt Ion:128 Resp: 12558
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.5 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 17.363 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN087416.D
Acq: 24 Jul 2025 14:11

Tgt Ion:180 Resp: 36816
Ion Ratio Lower Upper
180 100
182 97.5 0.0 185.4
145 33.1 0.0 73.2

