

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086316.D
 Acq On : 17 Apr 2025 12:43
 Operator : JC\MD
 Sample : VN0417MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:30:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	213079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	388364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162802	52.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.380%			
35) Dibromofluoromethane	8.165	113	97854	54.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.580%			
50) Toluene-d8	10.565	98	515900	53.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.100%			
62) 4-Bromofluorobenzene	12.847	95	185193	52.707	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52536	20.799	ug/l	99
3) Chloromethane	2.359	50	70539	19.215	ug/l	98
4) Vinyl Chloride	2.512	62	68440	19.537	ug/l	96
5) Bromomethane	2.959	94	35491	22.523	ug/l	97
6) Chloroethane	3.118	64	44537	18.996	ug/l	97
7) Trichlorofluoromethane	3.501	101	79320	20.441	ug/l	99
8) Diethyl Ether	3.959	74	32931	19.440	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	46966	20.008	ug/l	99
10) Methyl Iodide	4.583	142	57164	22.150	ug/l	97
11) Tert butyl alcohol	5.518	59	58121	103.094	ug/l	100
12) 1,1-Dichloroethene	4.342	96	48709	19.422	ug/l	99
13) Acrolein	4.177	56	31551	111.670	ug/l	98
14) Allyl chloride	5.024	41	88626	19.879	ug/l	94
15) Acrylonitrile	5.718	53	139513	100.106	ug/l	100
16) Acetone	4.424	43	115069	104.390	ug/l	97
17) Carbon Disulfide	4.712	76	133534	17.782	ug/l	99
18) Methyl Acetate	5.024	43	69815	18.823	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	180677	19.599	ug/l	97
20) Methylene Chloride	5.271	84	55589	19.461	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	51207	19.530	ug/l	93
22) Diisopropyl ether	6.671	45	183182	18.888	ug/l	96
23) Vinyl Acetate	6.600	43	652396	96.228	ug/l	98
24) 1,1-Dichloroethane	6.565	63	99955	19.533	ug/l	99
25) 2-Butanone	7.477	43	186916	97.187	ug/l	99
26) 2,2-Dichloropropane	7.489	77	90768	19.811	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	63454	19.499	ug/l	98
28) Bromochloromethane	7.812	49	50018	23.053	ug/l	100
29) Tetrahydrofuran	7.836	42	123636	96.133	ug/l	98
30) Chloroform	7.959	83	98273	19.550	ug/l	98
31) Cyclohexane	8.253	56	95611	19.094	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	87523	20.353	ug/l	96
36) 1,1-Dichloropropene	8.371	75	71885	19.967	ug/l	100
37) Ethyl Acetate	7.559	43	74555	19.671	ug/l	99
38) Carbon Tetrachloride	8.359	117	70302	20.505	ug/l	99
39) Methylcyclohexane	9.600	83	83192	19.441	ug/l	99
40) Benzene	8.606	78	230819	20.011	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	44161	20.104	ug/l	99
42) 1,2-Dichloroethane	8.665	62	75744	20.592	ug/l	99
43) Isopropyl Acetate	8.683	43	144571	19.864	ug/l	99
44) Trichloroethene	9.353	130	55293	20.225	ug/l	93
45) 1,2-Dichloropropane	9.618	63	56265	19.928	ug/l	100
46) Dibromomethane	9.706	93	37536	20.865	ug/l	98
47) Bromodichloromethane	9.882	83	80071	20.608	ug/l	93
48) Methyl methacrylate	9.677	41	63620	19.114	ug/l	96
49) 1,4-Dioxane	9.688	88	22576	398.759	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	398280	102.619	ug/l	99
52) Toluene	10.630	92	145633	20.235	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	89532	20.643	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	93799	19.690	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53230	20.556	ug/l	96
56) Ethyl methacrylate	10.871	69	94777	19.912	ug/l	98
57) 1,3-Dichloropropane	11.159	76	94752	20.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	213241	94.388	ug/l	99
59) 2-Hexanone	11.194	43	293977	102.119	ug/l	99
60) Dibromochloromethane	11.353	129	58694	20.641	ug/l	99
61) 1,2-Dibromoethane	11.465	107	54282	20.775	ug/l	100
64) Tetrachloroethene	11.100	164	54989	20.895	ug/l	95
65) Chlorobenzene	11.888	112	152222	19.937	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	51052	20.268	ug/l	97
67) Ethyl Benzene	11.959	91	279625	20.295	ug/l	99
68) m/p-Xylenes	12.071	106	211061	40.883	ug/l	99
69) o-Xylene	12.394	106	104369	20.443	ug/l	100
70) Styrene	12.406	104	173521	20.398	ug/l	100
71) Bromoform	12.576	173	38690	20.401	ug/l #	99
73) Isopropylbenzene	12.694	105	258610	20.615	ug/l	100
74) N-amyl acetate	12.488	43	113088	18.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	72844	20.195	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	72333m	19.987	ug/l	
77) Bromobenzene	12.976	156	58990	21.222	ug/l	97
78) n-propylbenzene	13.029	91	304839	20.621	ug/l	99
79) 2-Chlorotoluene	13.123	91	190237	20.566	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	210929	20.543	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	30703	20.375	ug/l	96
82) 4-Chlorotoluene	13.218	91	187646	20.421	ug/l	99
83) tert-Butylbenzene	13.435	119	180444	20.282	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	212525	20.334	ug/l	99
85) sec-Butylbenzene	13.612	105	252117	20.430	ug/l	99
86) p-Isopropyltoluene	13.723	119	207967	20.446	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107373	20.549	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	107385	20.404	ug/l	100
89) n-Butylbenzene	14.053	91	181574	20.139	ug/l	100
90) Hexachloroethane	14.329	117	34948	20.426	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	105354	20.796	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15317	21.060	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	48583	20.027	ug/l	97
94) Hexachlorobutadiene	15.494	225	18113	19.780	ug/l	98
95) Naphthalene	15.635	128	174732	20.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	46350	20.181	ug/l	100

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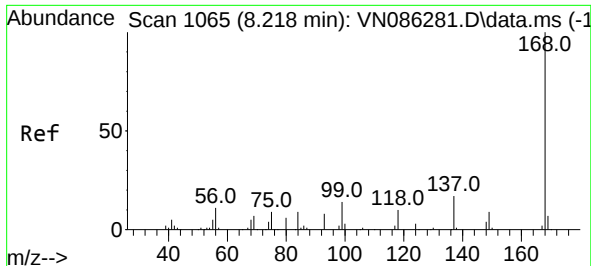
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 04/18/2025

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

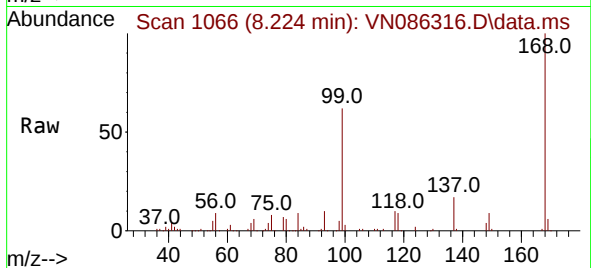
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
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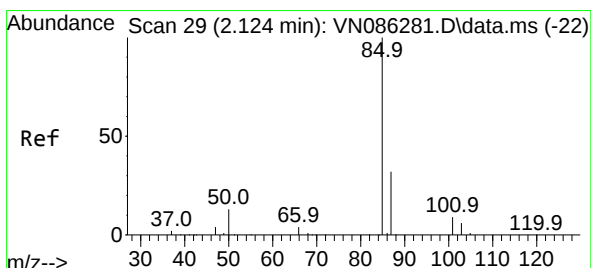
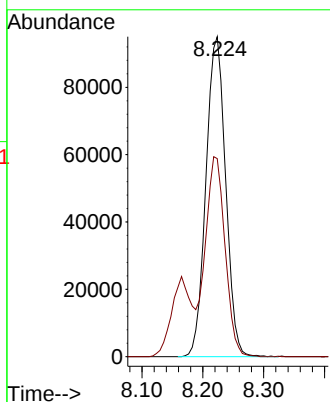
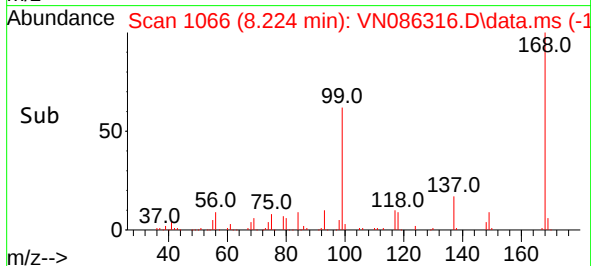
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion:168 Resp: 213079
Ion Ratio Lower Upper
168 100
99 61.7 52.5 78.7

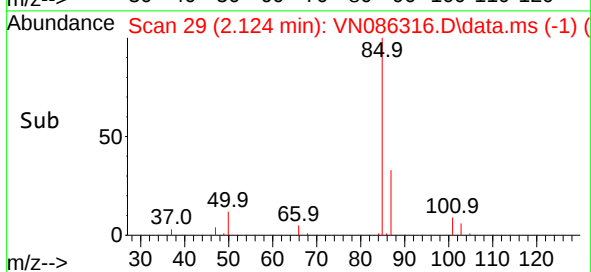
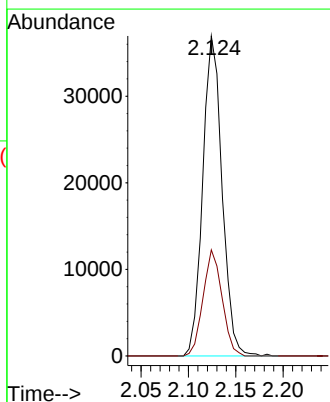
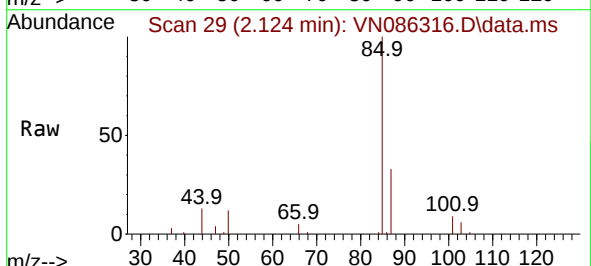
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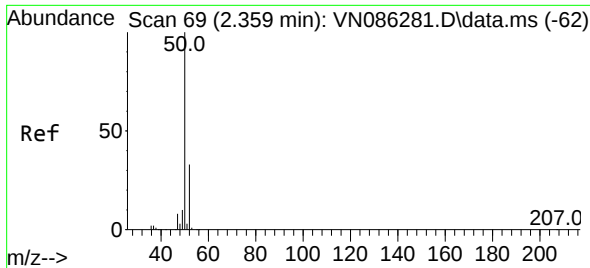
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 20.799 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

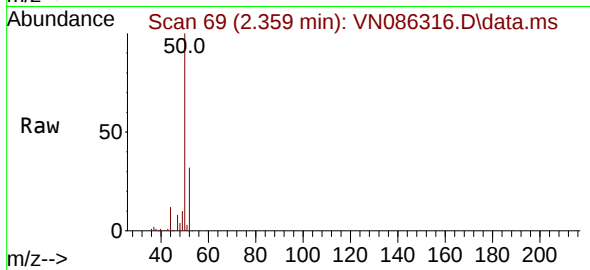
Tgt Ion: 85 Resp: 52536
Ion Ratio Lower Upper
85 100
87 33.2 16.3 48.8





#3
Chloromethane
Concen: 19.215 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

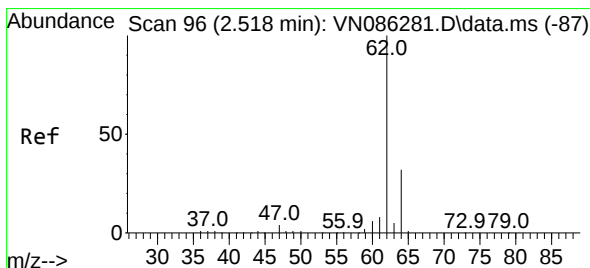
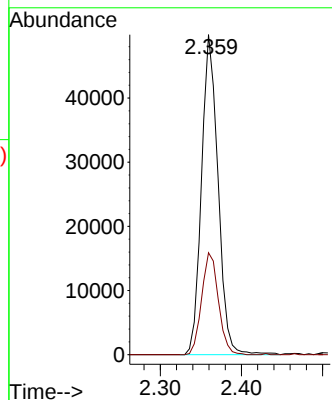
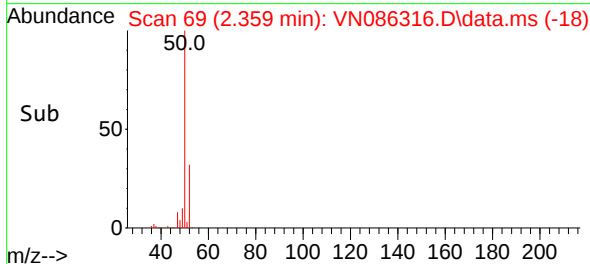
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Tgt Ion: 50 Resp: 70539
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

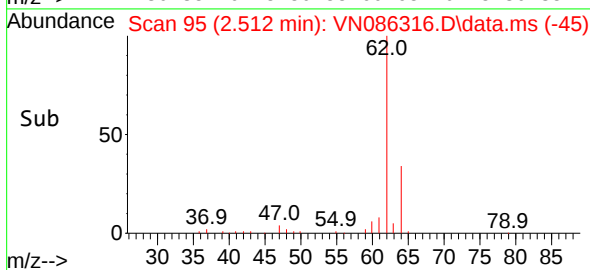
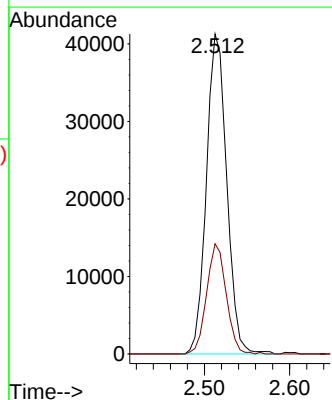
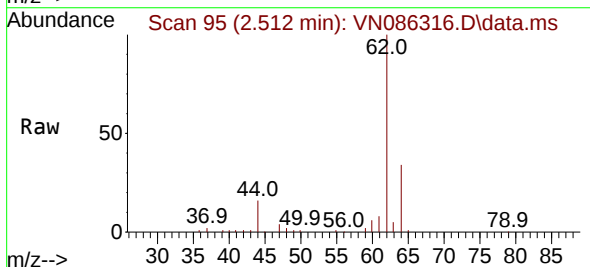
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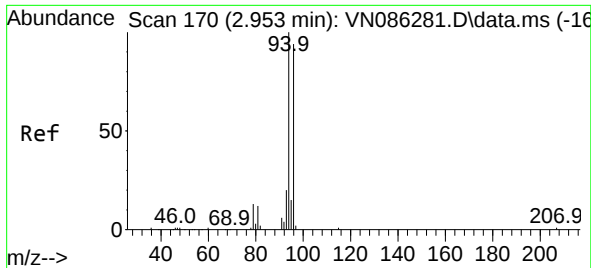
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#4
Vinyl Chloride
Concen: 19.537 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

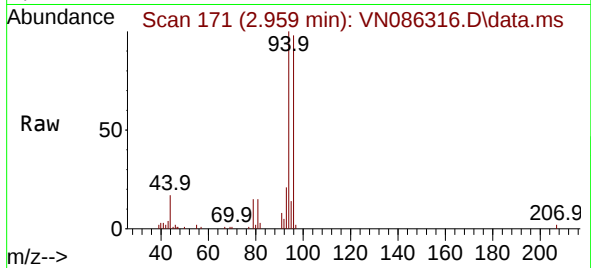
Tgt Ion: 62 Resp: 68440
Ion Ratio Lower Upper
62 100
64 34.4 25.6 38.4





#5
Bromomethane
Concen: 22.523 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

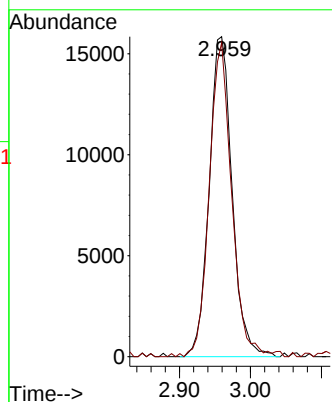
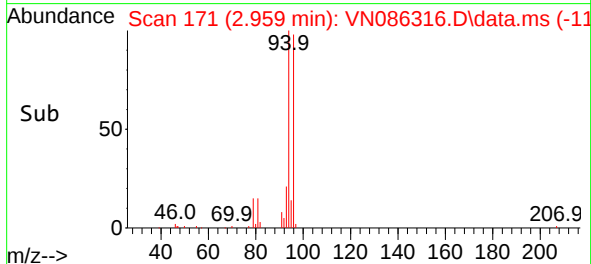
Instrument :
MSVOA_N
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Tgt Ion: 94 Resp: 3549
Ion Ratio Lower Upper
94 100
96 97.2 75.2 112.8

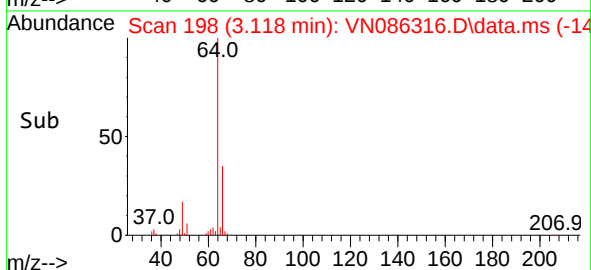
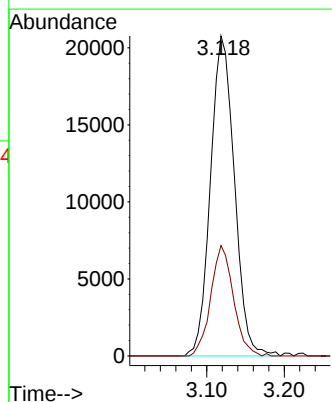
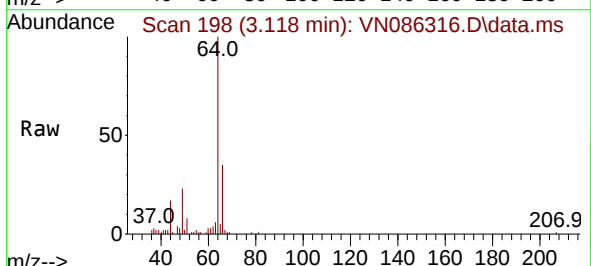
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#6
Chloroethane
Concen: 18.996 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

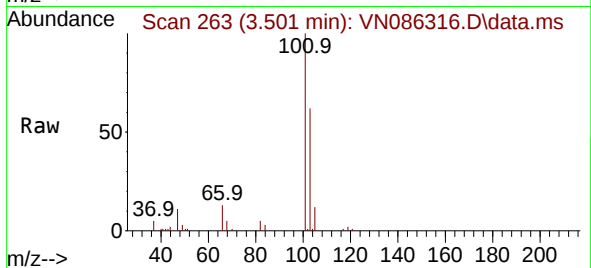
Tgt Ion: 64 Resp: 44537
Ion Ratio Lower Upper
64 100
66 34.5 26.2 39.2





#7
 Trichlorofluoromethane
 Concen: 20.441 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN086316.D
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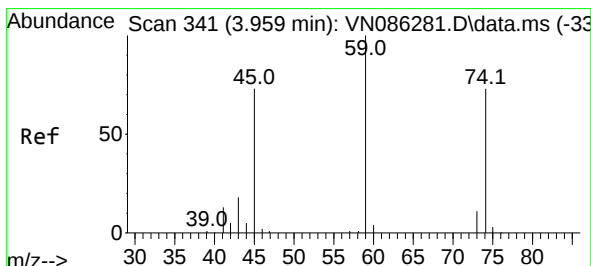
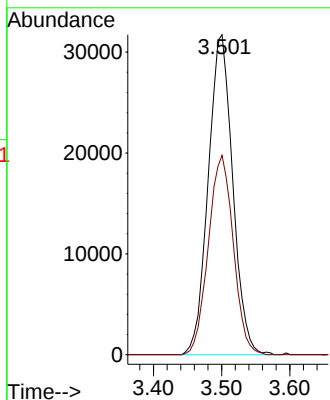
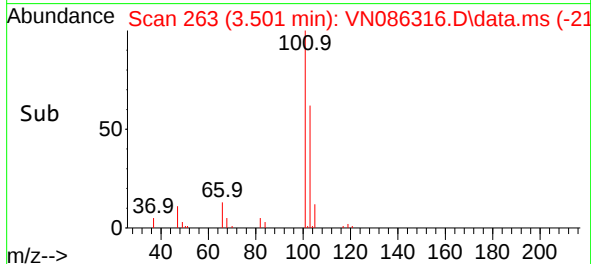
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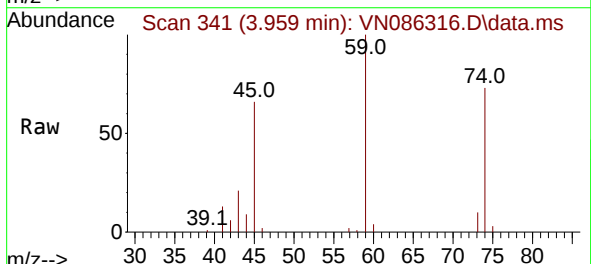
Tgt Ion: 101 Resp: 79320
 Ion Ratio Lower Upper
 101 100
 103 62.3 49.2 73.8

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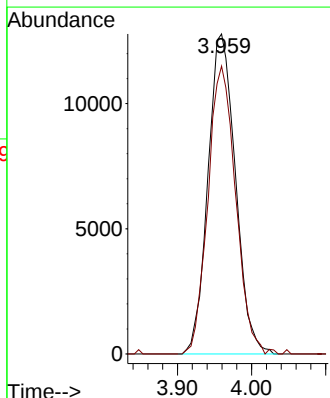
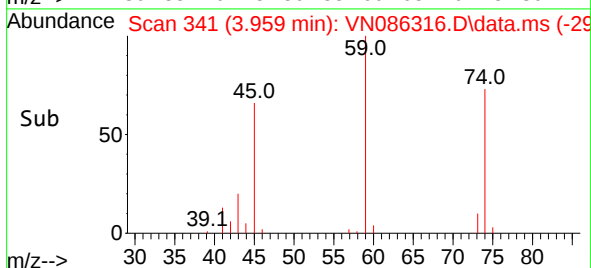
Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

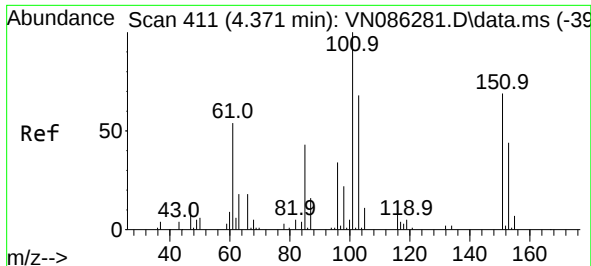


#8
 Diethyl Ether
 Concen: 19.440 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086316.D
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Tgt Ion: 74 Resp: 32931
 Ion Ratio Lower Upper
 74 100
 45 90.6 48.0 144.2





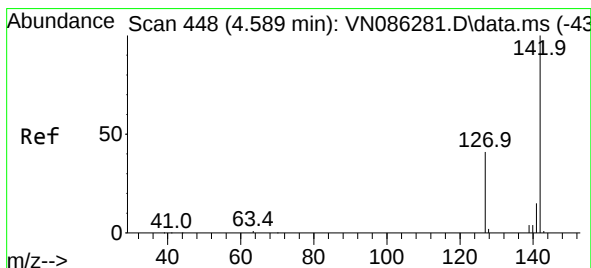
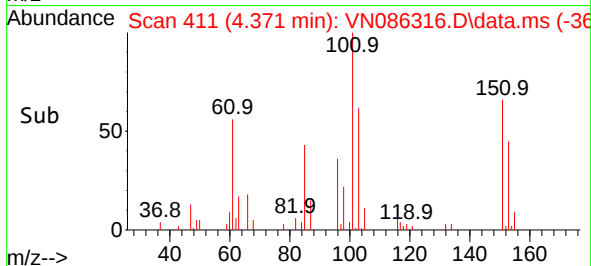
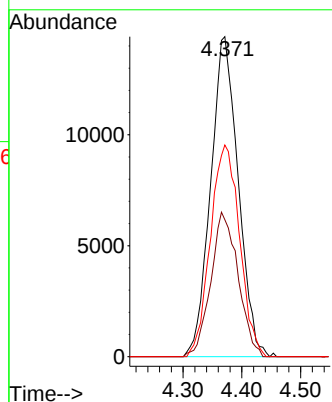
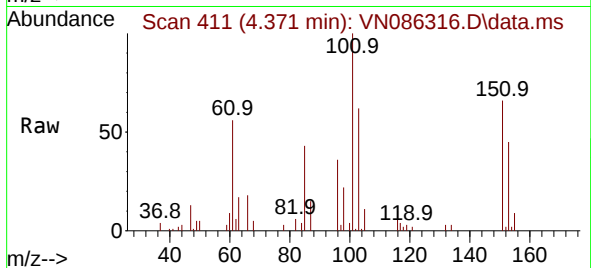
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.008 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086316.D
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Tgt Ion:101 Resp: 4696
Ion Ratio Lower Upper
101 100
85 44.6 34.7 52.1
151 69.9 56.1 84.1

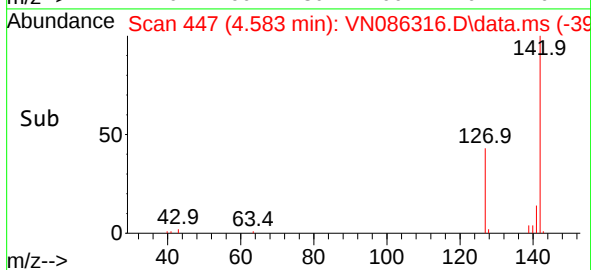
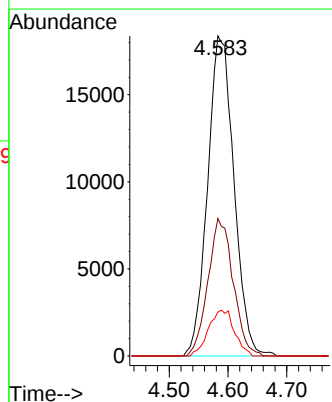
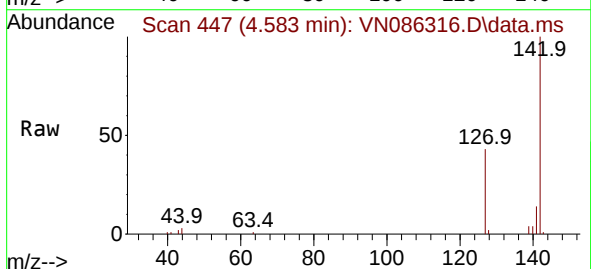
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#10
Methyl Iodide
Concen: 22.150 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

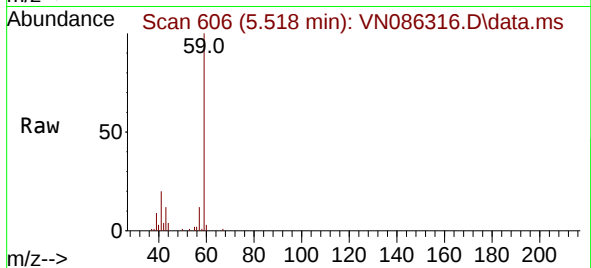
Tgt Ion:142 Resp: 57164
Ion Ratio Lower Upper
142 100
127 42.9 32.7 49.1
141 13.8 11.7 17.5





#11
Tert butyl alcohol
Concen: 103.094 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

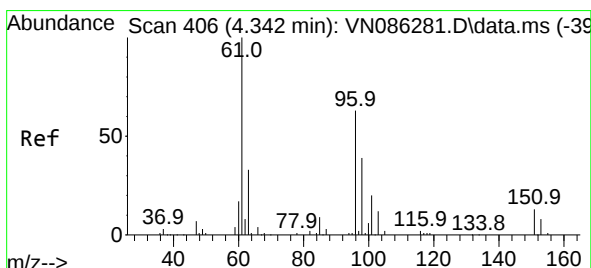
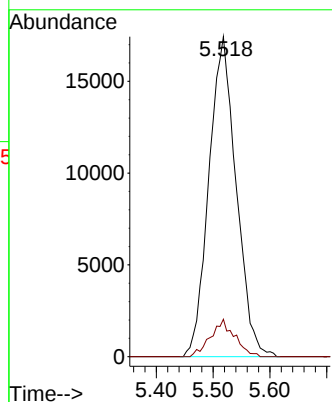
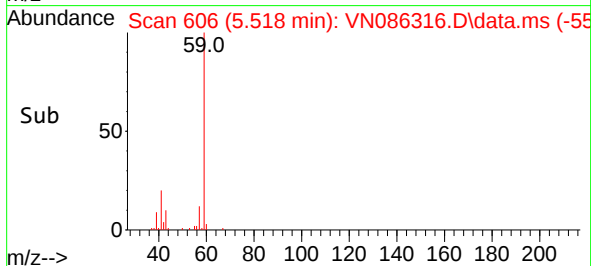
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



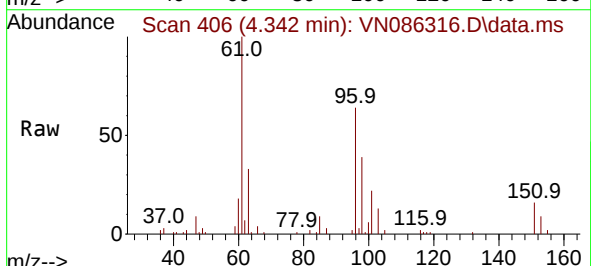
Tgt Ion: 59 Resp: 5812
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

Manual Integrations
APPROVED

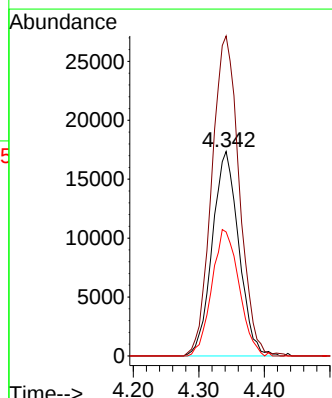
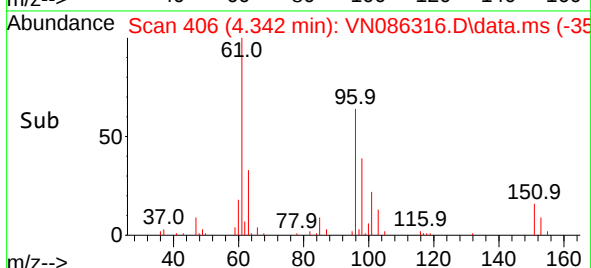
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#12
1,1-Dichloroethene
Concen: 19.422 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



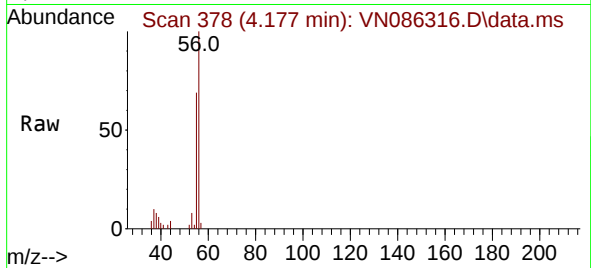
Tgt Ion: 96 Resp: 48709
Ion Ratio Lower Upper
96 100
61 156.5 126.6 189.8
98 60.7 49.6 74.4





#13
Acrolein
Concen: 111.670 ug/l
RT: 4.177 min Scan# 3155
Delta R.T. -0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

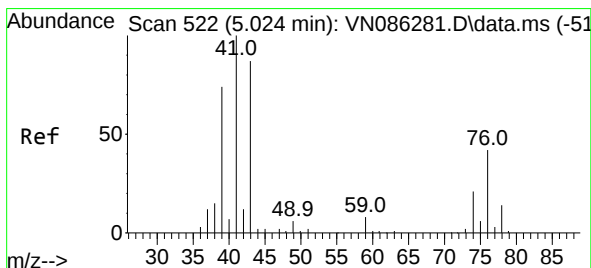
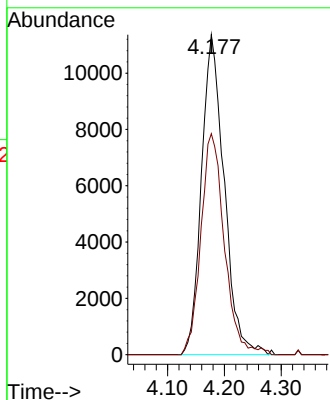
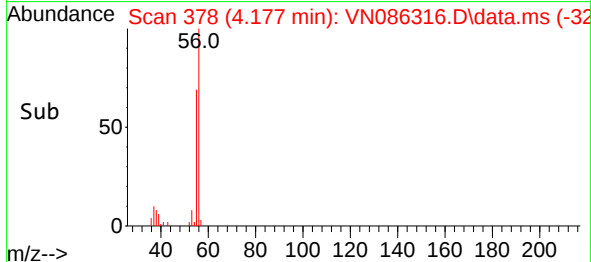
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



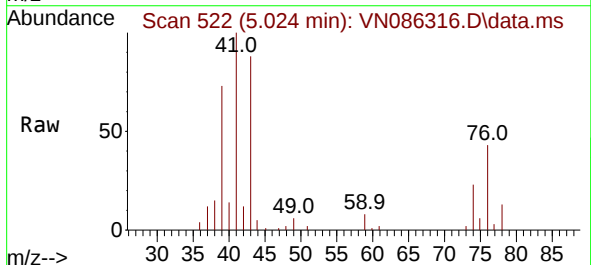
Tgt Ion: 56 Resp: 3155
Ion Ratio Lower Upper
56 100
55 71.4 58.5 87.7

Manual Integrations
APPROVED

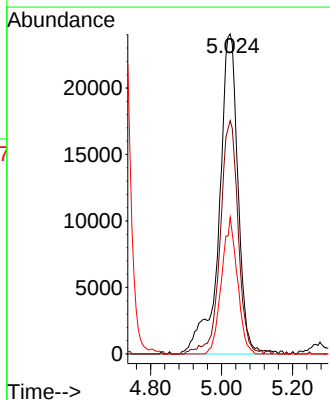
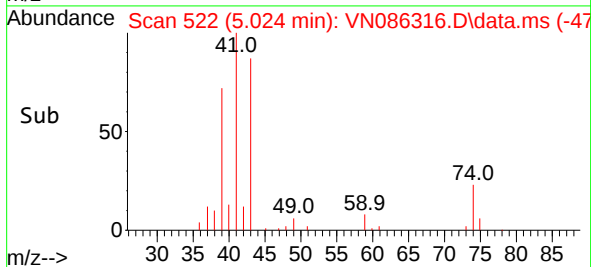
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

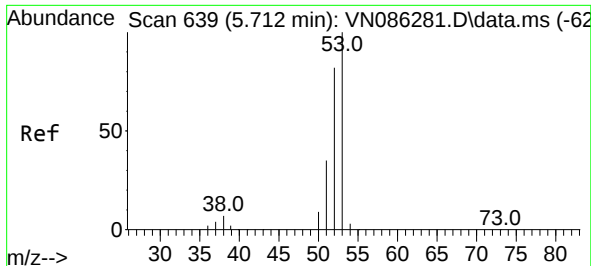


#14
Allyl chloride
Concen: 19.879 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



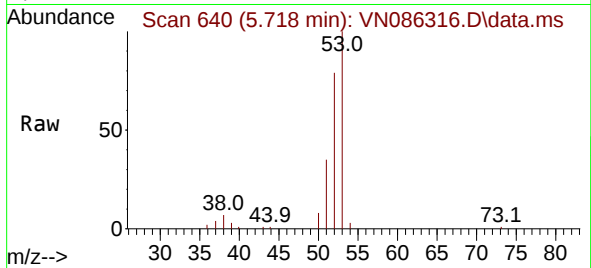
Tgt Ion: 41 Resp: 88626
Ion Ratio Lower Upper
41 100
39 69.0 59.2 88.8
76 35.6 31.2 46.8





#15
Acrylonitrile
Concen: 100.106 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

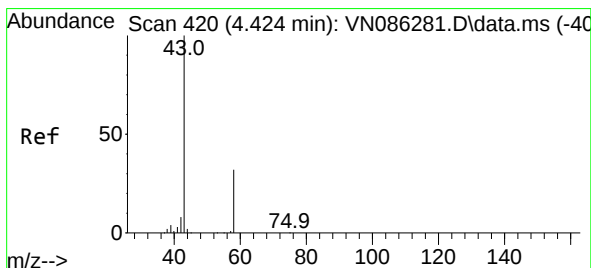
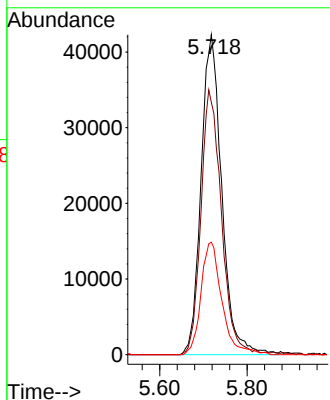
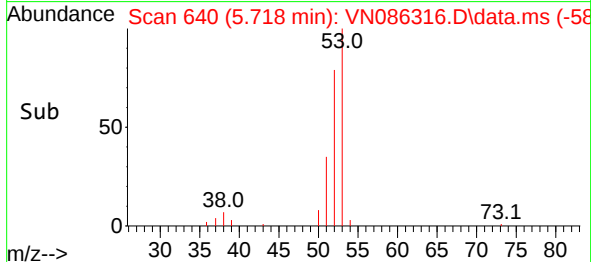
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion: 53 Resp: 13951
Ion Ratio Lower Upper
53 100
52 81.7 65.5 98.3
51 35.5 28.6 42.8

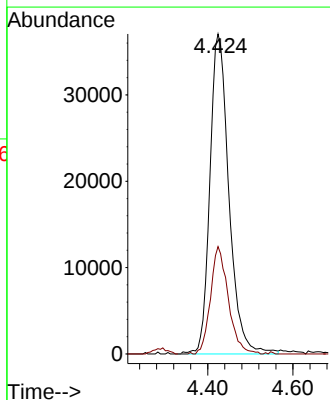
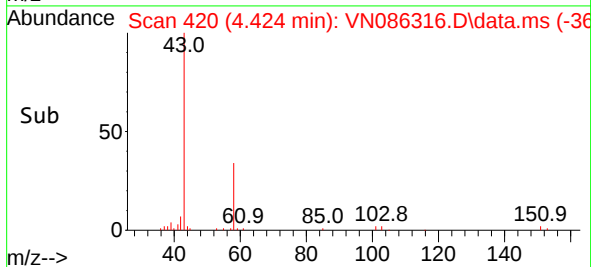
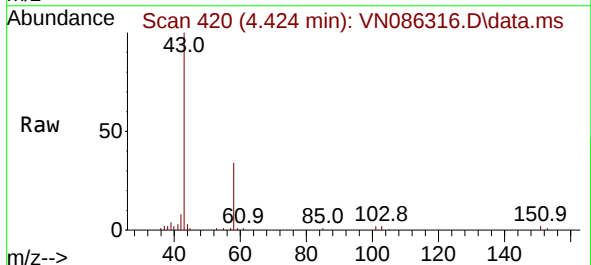
Manual Integrations
APPROVED

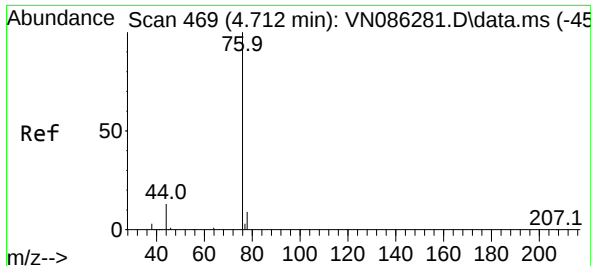
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#16
Acetone
Concen: 104.390 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

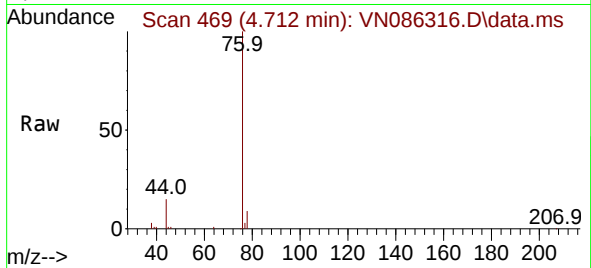
Tgt Ion: 43 Resp: 115069
Ion Ratio Lower Upper
43 100
58 33.5 25.3 37.9





#17
Carbon Disulfide
Concen: 17.782 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

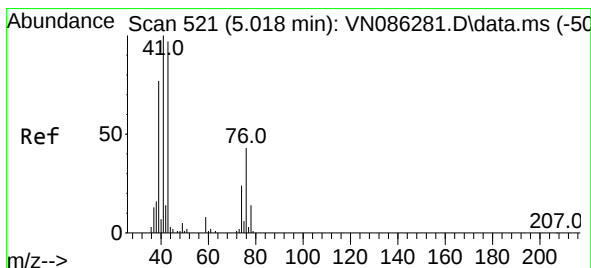
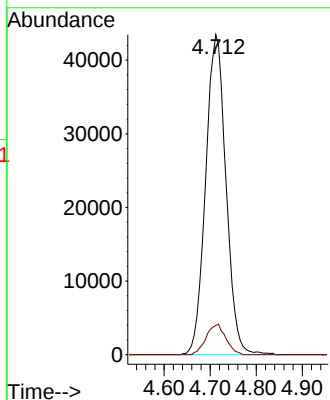
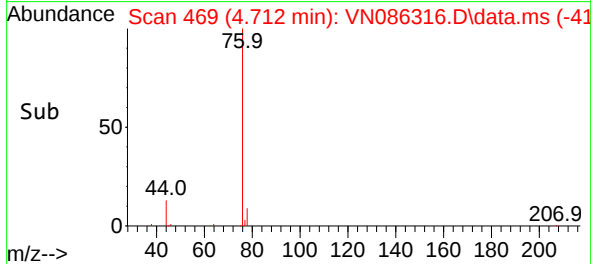
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



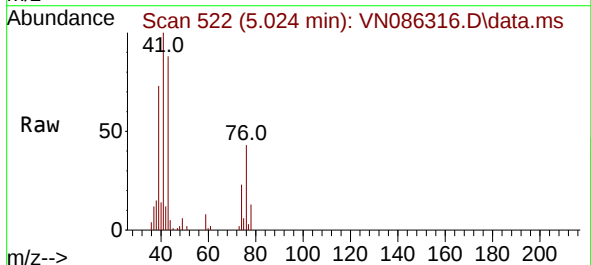
Tgt Ion: 76 Resp: 133534
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

Manual Integrations
APPROVED

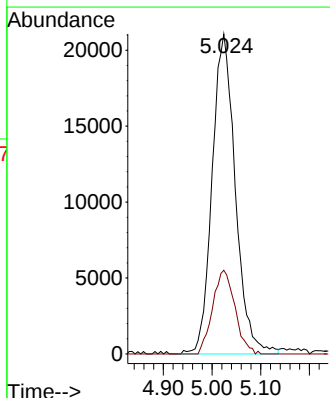
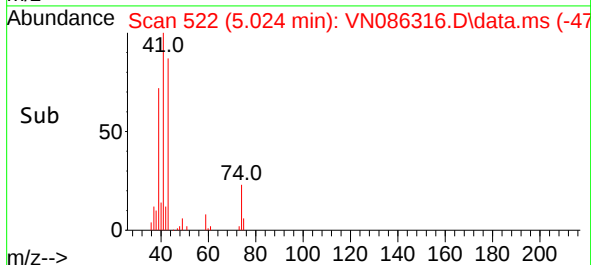
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

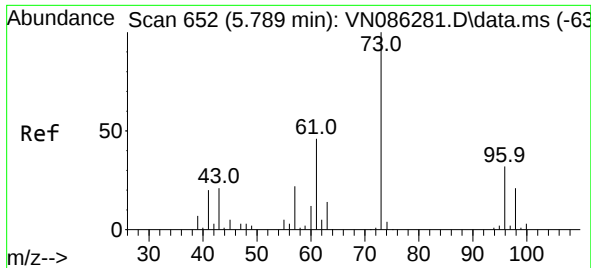


#18
Methyl Acetate
Concen: 18.823 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion: 43 Resp: 69815
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.6





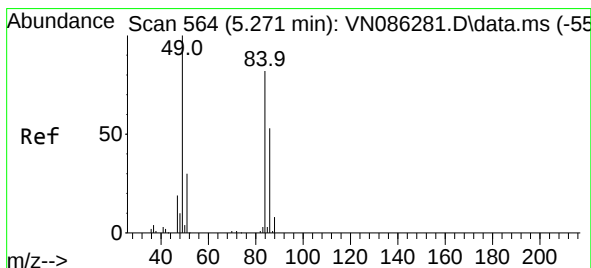
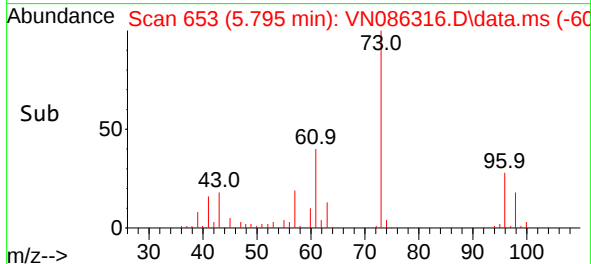
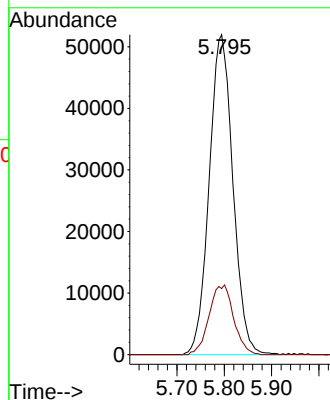
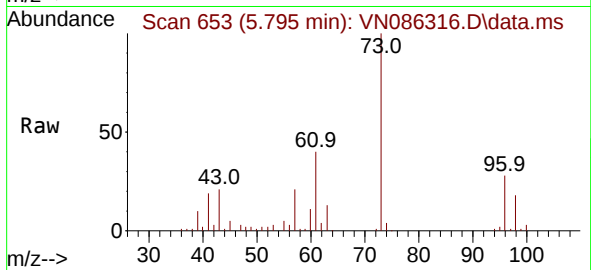
#19
Methyl tert-butyl Ether
Concen: 19.599 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 73 Resp: 18067
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4

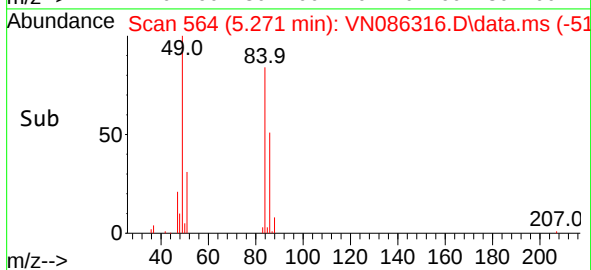
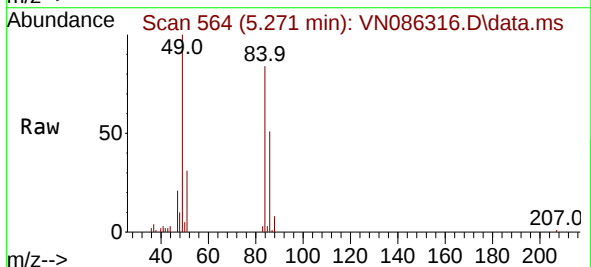
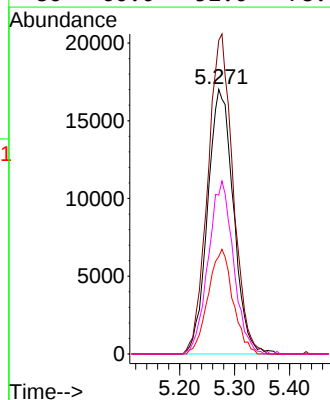
Manual Integrations
APPROVED

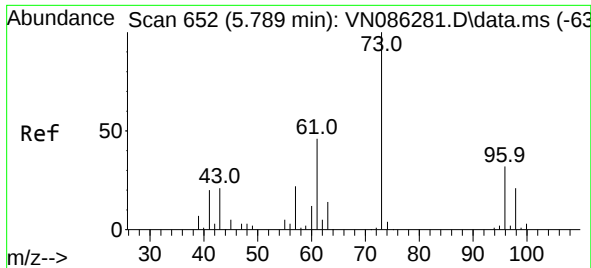
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#20
Methylene Chloride
Concen: 19.461 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

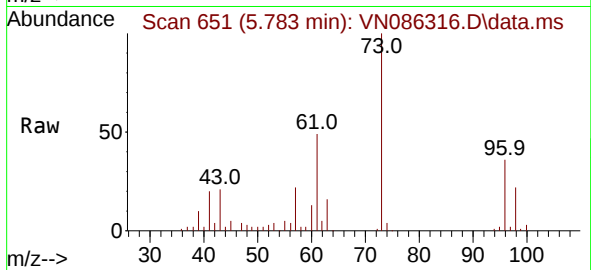
Tgt Ion: 84 Resp: 55589
Ion Ratio Lower Upper
84 100
49 118.5 98.2 147.2
51 36.8 29.8 44.6
86 60.0 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 19.530 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

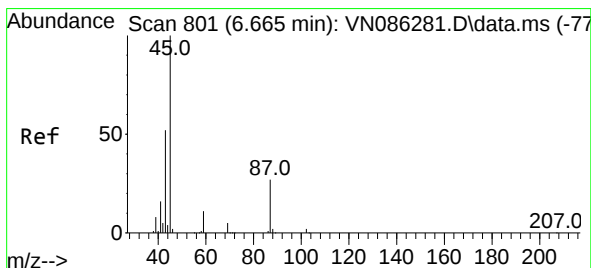
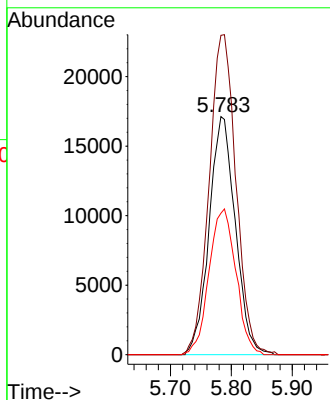
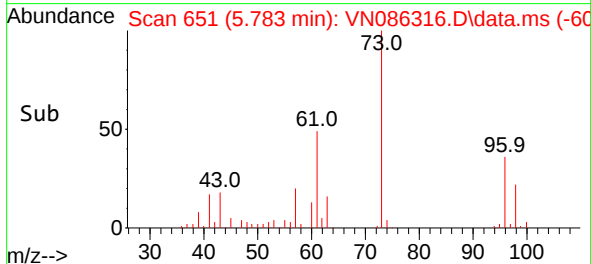
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion: 96 Resp: 5120
Ion Ratio Lower Upper
96 100
61 134.1 114.6 171.8
98 59.4 51.2 76.8

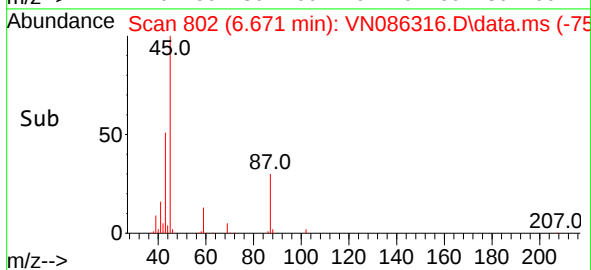
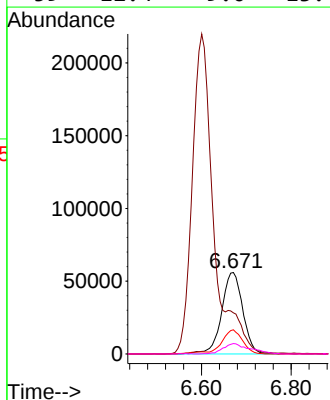
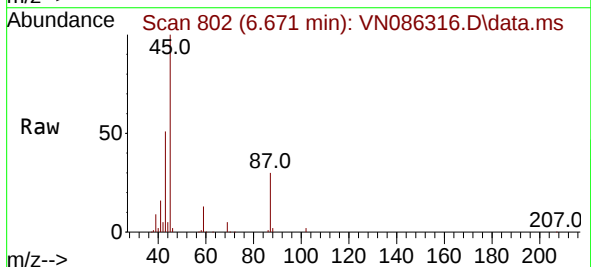
Manual Integrations
APPROVED

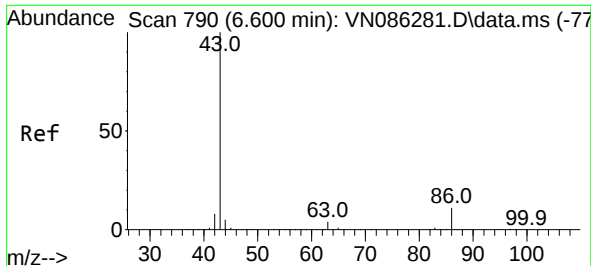
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#22
Diisopropyl ether
Concen: 18.888 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion: 45 Resp: 183182
Ion Ratio Lower Upper
45 100
43 49.5 41.8 62.8
87 29.6 21.6 32.4
59 12.4 9.0 13.4





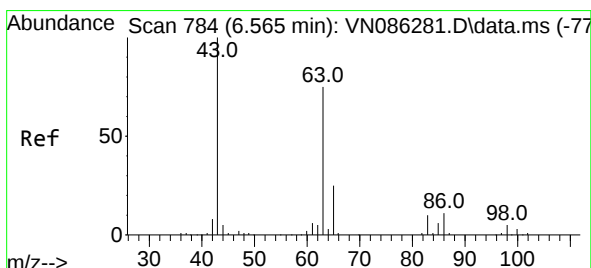
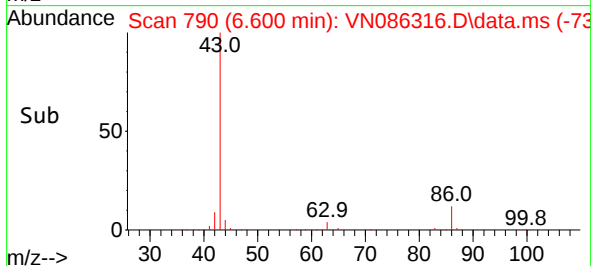
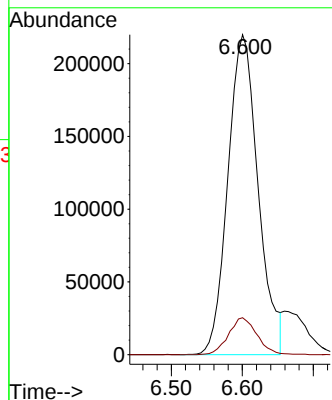
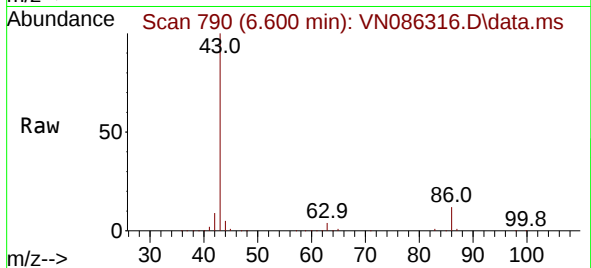
#23
 Vinyl Acetate
 Concen: 96.228 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01

Tgt Ion: 43 Resp: 652390
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 13.0

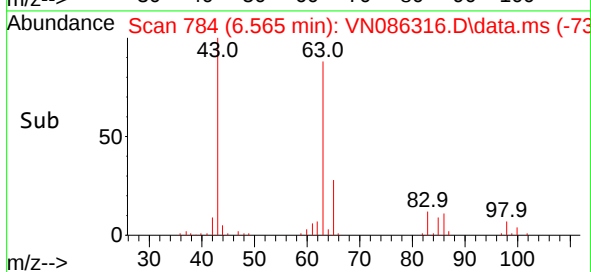
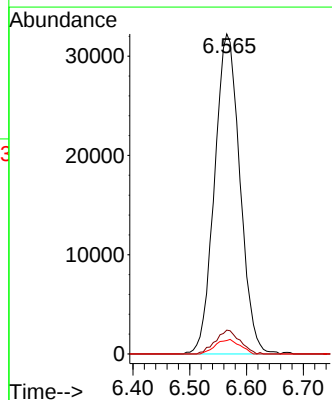
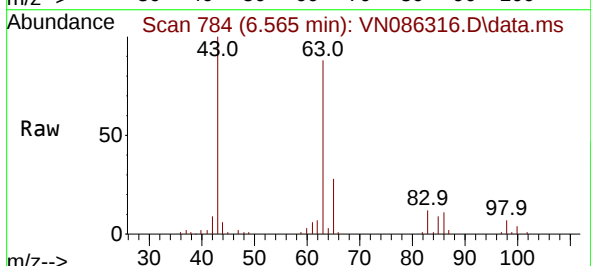
Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 19.533 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

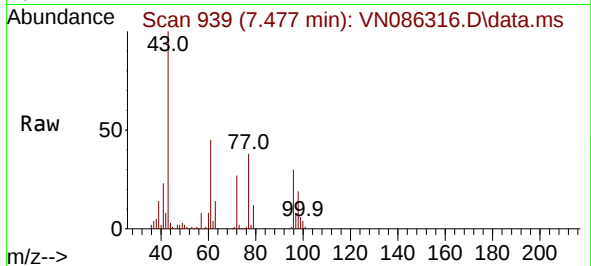
Tgt Ion: 63 Resp: 99955
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.2
 100 4.2 2.1 6.5





#25
2-Butanone
Concen: 97.187 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

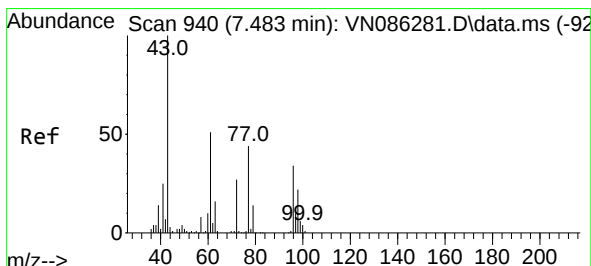
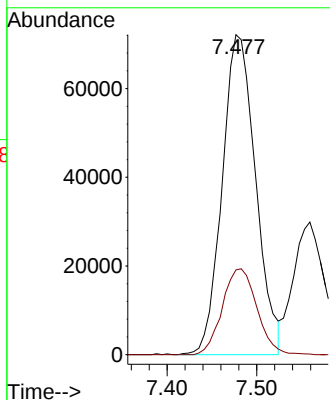
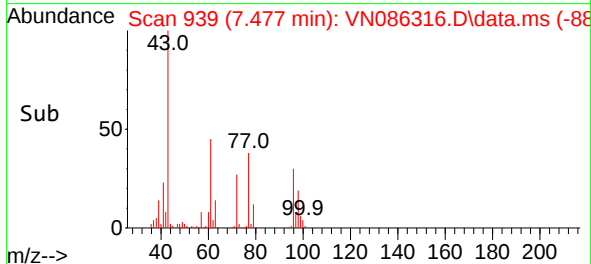
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



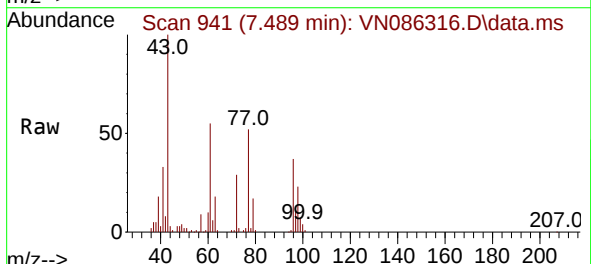
Tgt Ion: 43 Resp: 186910
Ion Ratio Lower Upper
43 100
72 26.5 21.7 32.5

Manual Integrations
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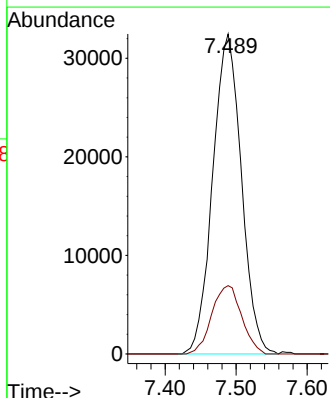
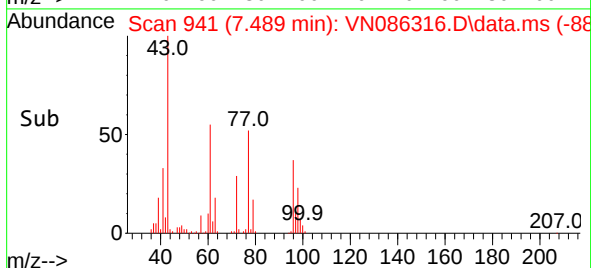
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
2,2-Dichloropropane
Concen: 19.811 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



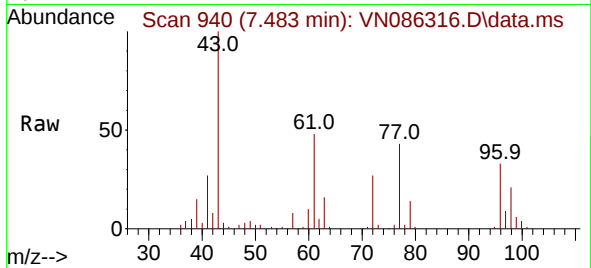
Tgt Ion: 77 Resp: 90768
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.5





#27
 cis-1,2-Dichloroethene
 Concen: 19.499 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

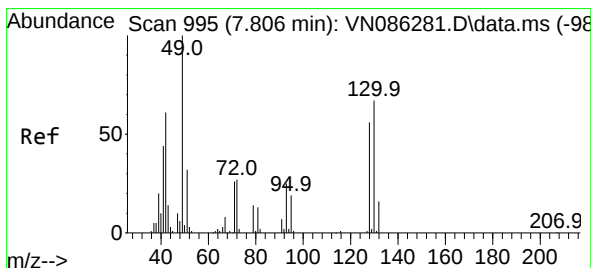
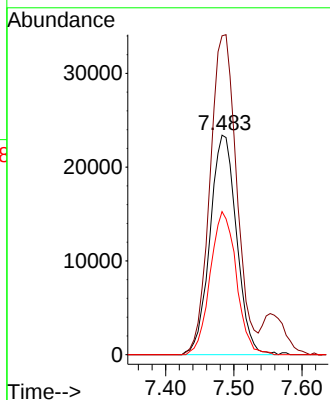
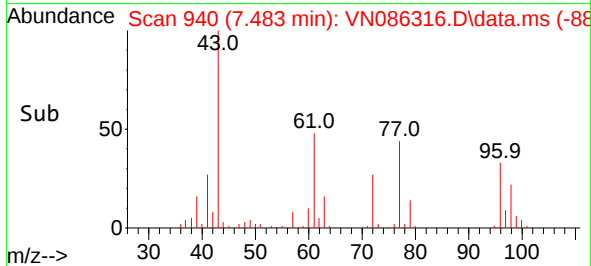
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01



Tgt Ion: 96 Resp: 63454
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 299.0
 98 64.2 0.0 129.6

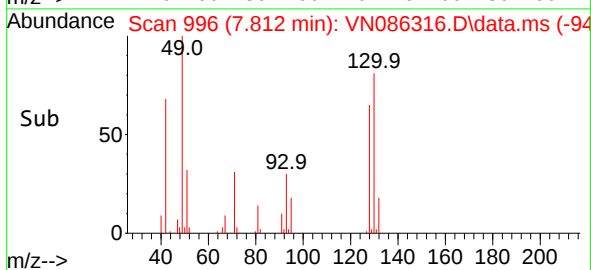
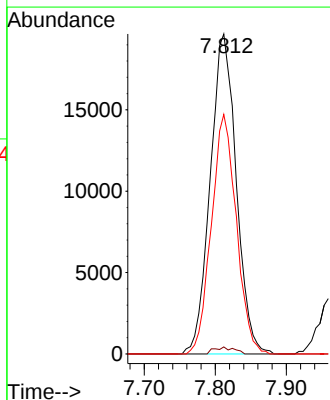
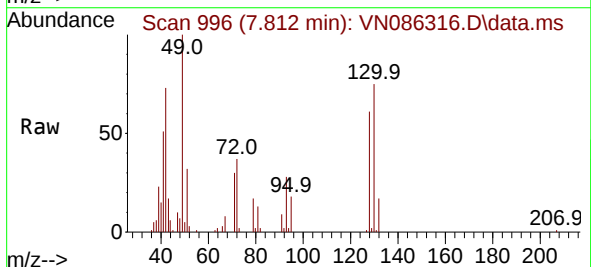
Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#28
 Bromochloromethane
 Concen: 23.053 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

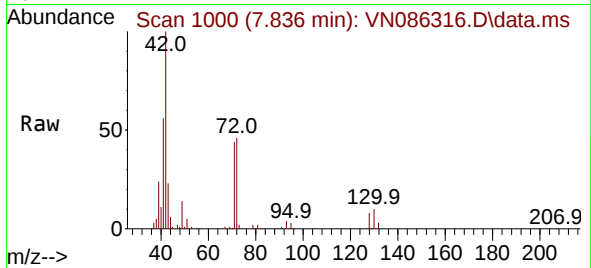
Tgt Ion: 49 Resp: 50018
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 71.7 57.1 85.7





#29
Tetrahydrofuran
Concen: 96.133 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

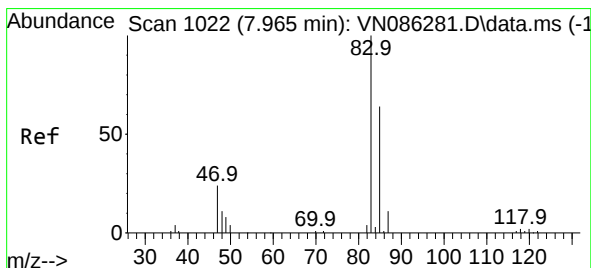
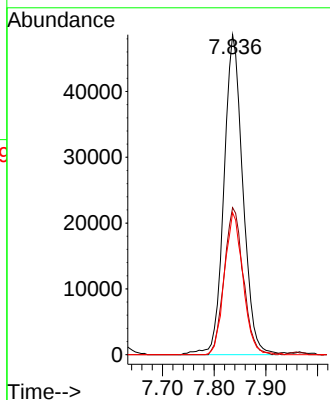
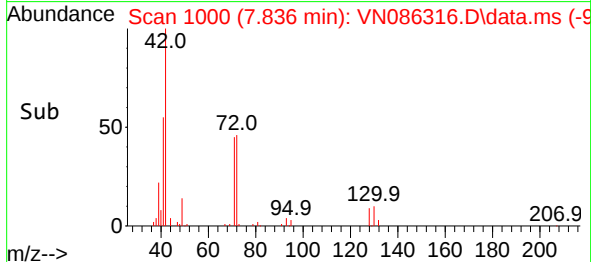
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion: 42 Resp: 123630
Ion Ratio Lower Upper
42 100
72 46.2 36.2 54.4
71 43.6 34.0 51.0

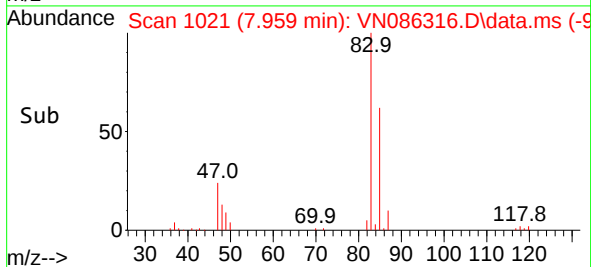
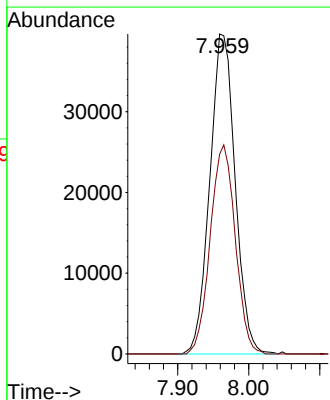
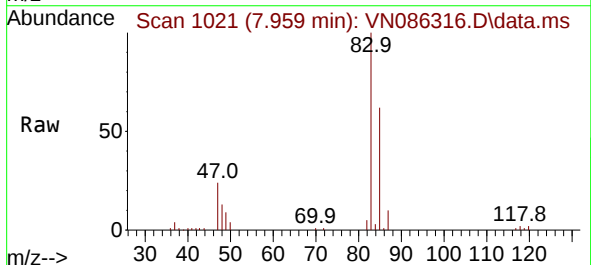
Manual Integrations
APPROVED

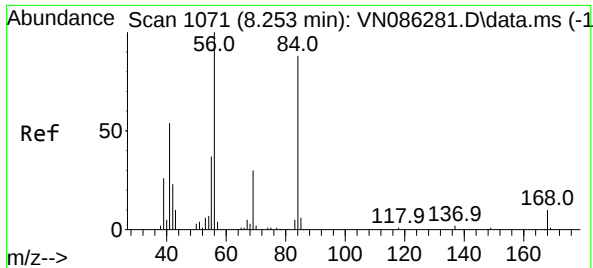
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#30
Chloroform
Concen: 19.550 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

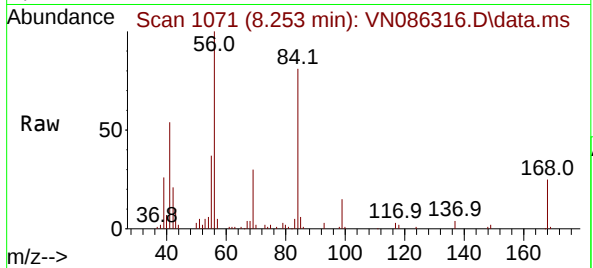
Tgt Ion: 83 Resp: 98273
Ion Ratio Lower Upper
83 100
85 62.5 51.5 77.3





#31
Cyclohexane
Concen: 19.094 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

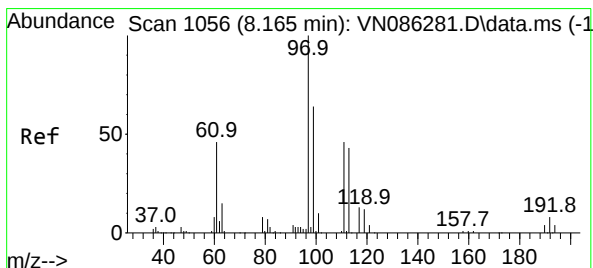
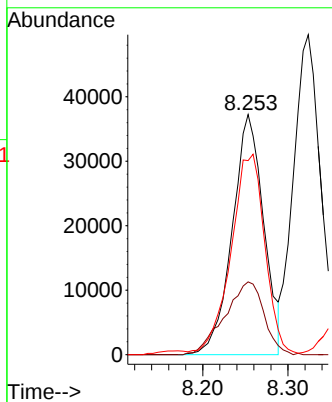
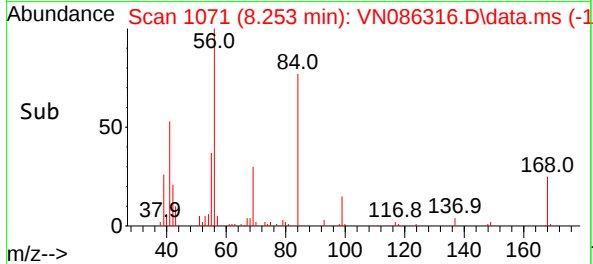
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



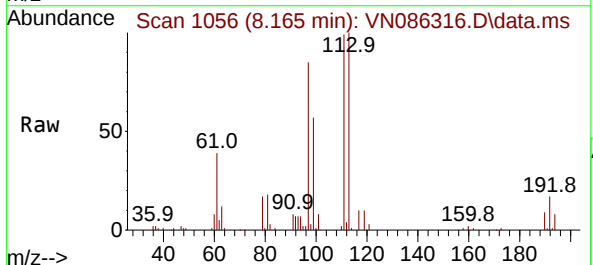
Tgt Ion: 56 Resp: 9561
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.2
84 79.2 70.3 105.5

Manual Integrations
APPROVED

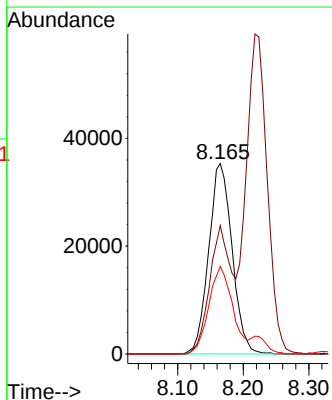
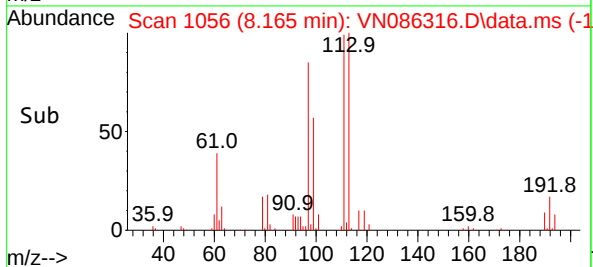
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#32
1,1,1-Trichloroethane
Concen: 20.353 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion: 97 Resp: 87523
Ion Ratio Lower Upper
97 100
99 62.9 52.7 79.1
61 46.9 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 52.690 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 65 Resp: 16280

Ion Ratio Lower Upper

65 100

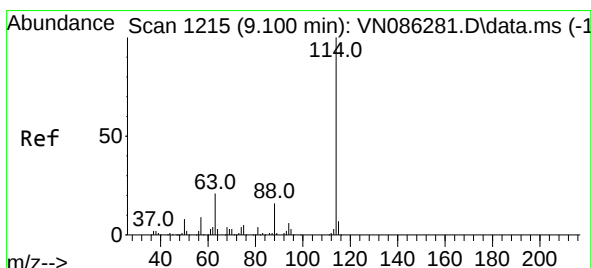
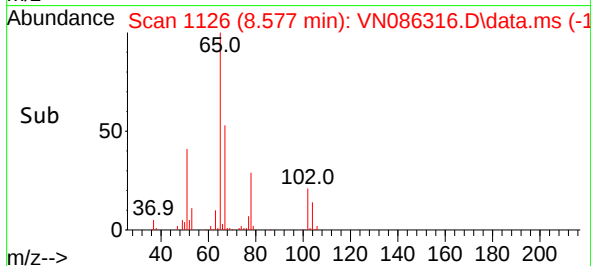
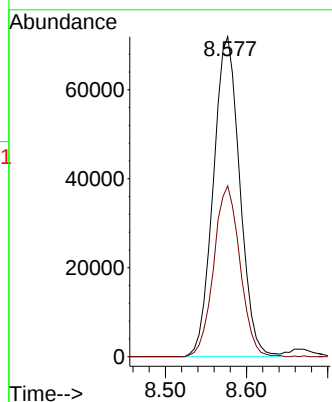
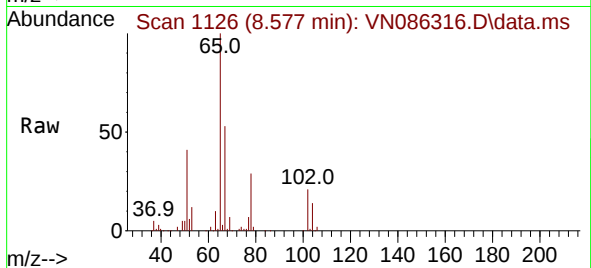
67 53.0 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

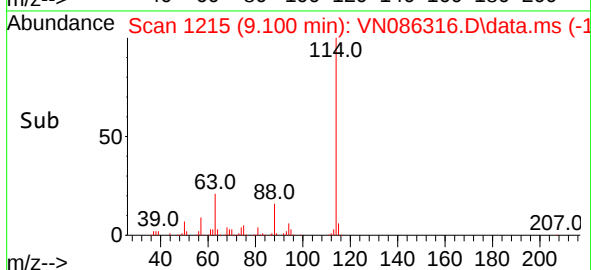
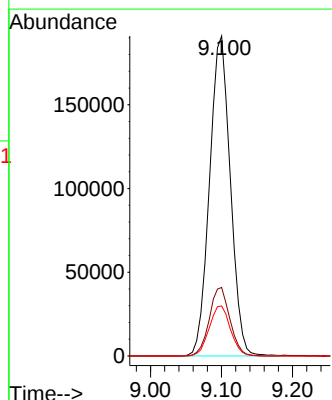
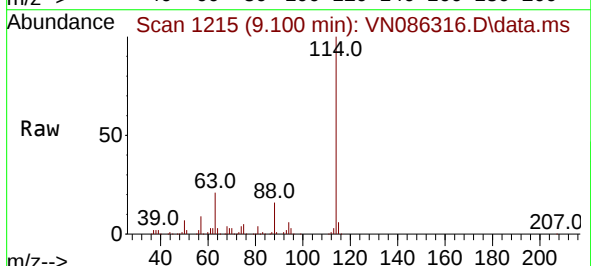
Tgt Ion:114 Resp: 388364

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.289 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 113 Resp: 97854

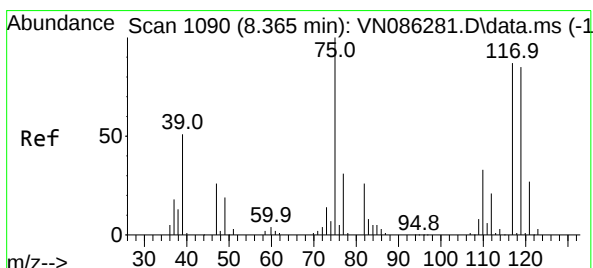
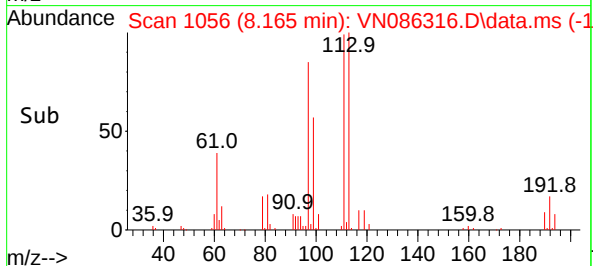
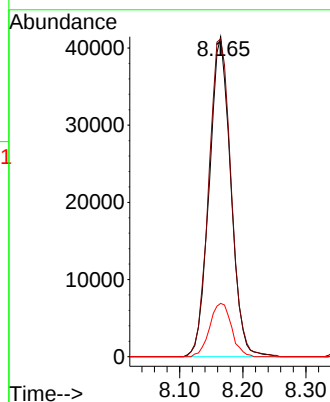
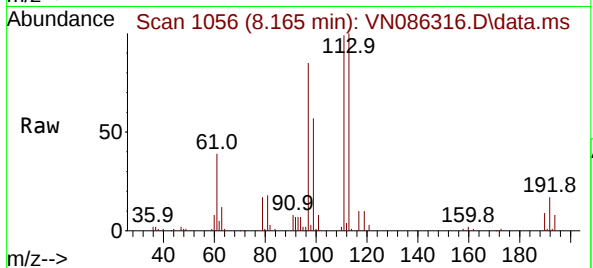
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.0
192	17.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

1,1-Dichloropropene

Concen: 19.967 ug/l

RT: 8.371 min Scan# 1091

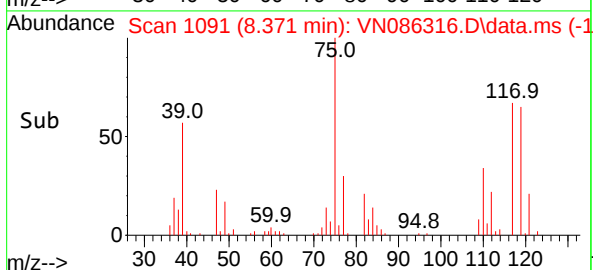
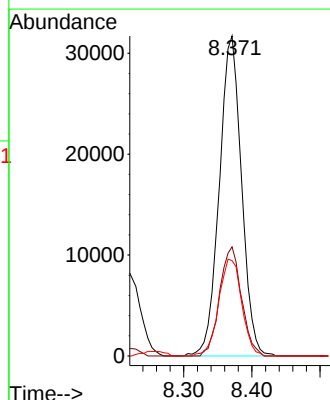
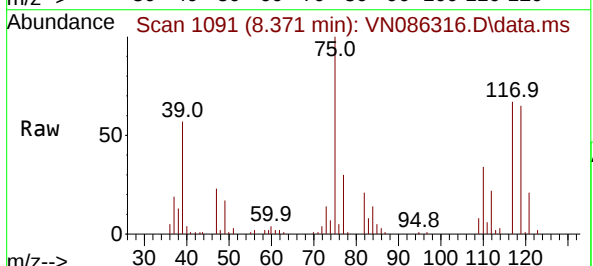
Delta R.T. 0.006 min

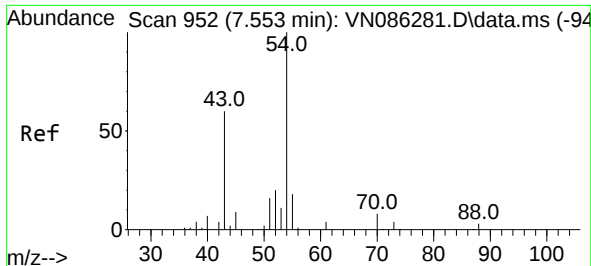
Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Tgt Ion: 75 Resp: 71885

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.3	24.9	37.3





#37

Ethyl Acetate

Concen: 19.671 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 43 Resp: 7455

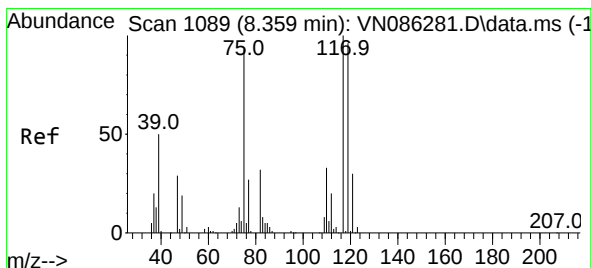
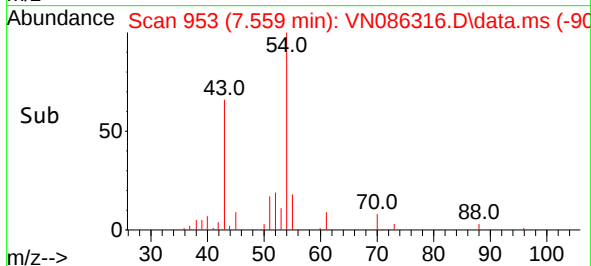
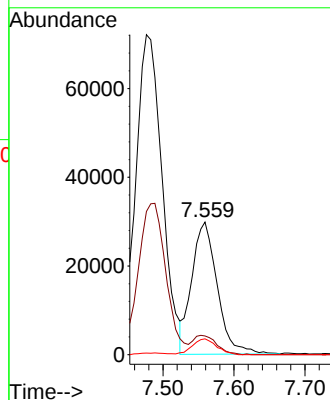
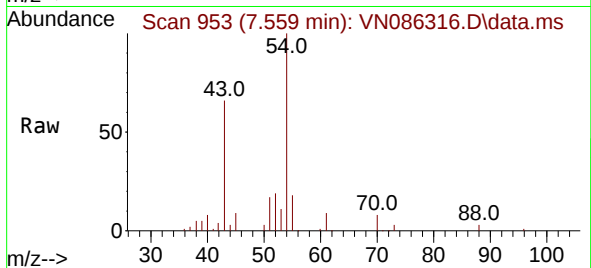
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	11.3	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Carbon Tetrachloride

Concen: 20.505 ug/l

RT: 8.359 min Scan# 1089

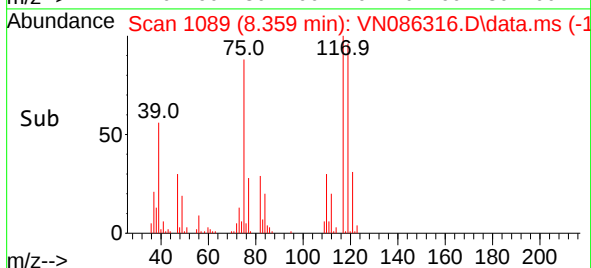
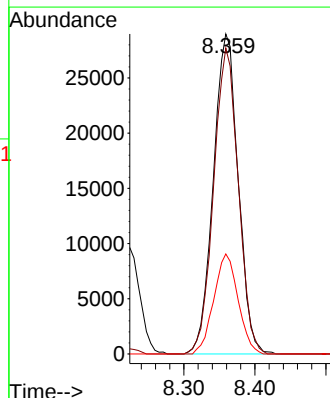
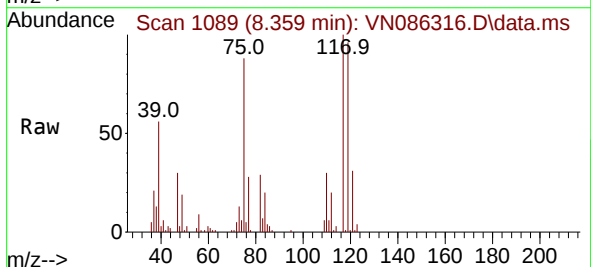
Delta R.T. 0.000 min

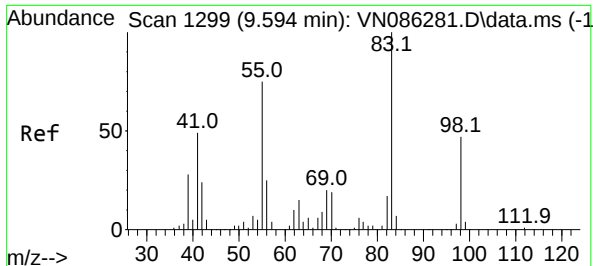
Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Tgt Ion:117 Resp: 70302

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	31.2	23.8	35.8





#39

Methylcyclohexane

Concen: 19.441 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 83 Resp: 8319

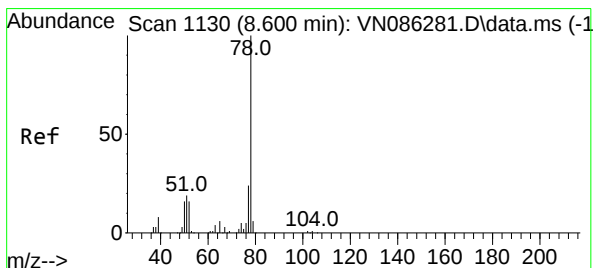
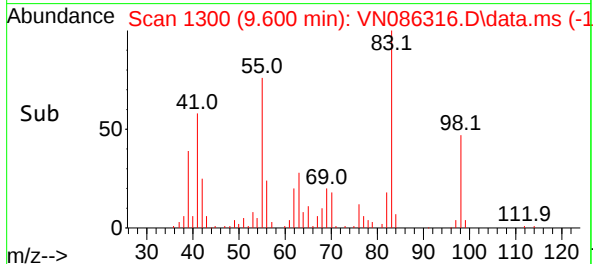
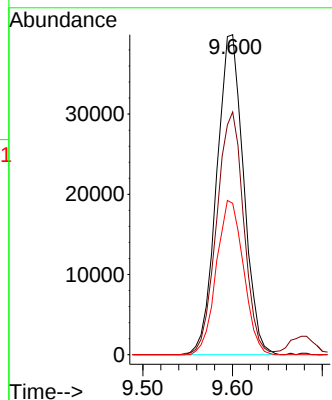
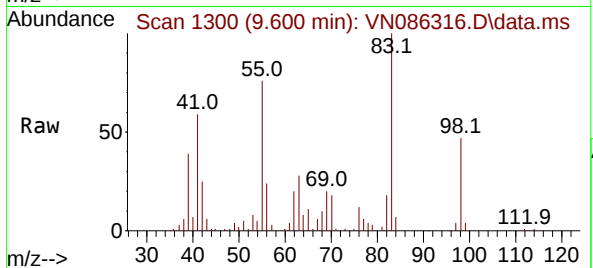
Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.8	89.8
98	47.3	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

Benzene

Concen: 20.011 ug/l

RT: 8.606 min Scan# 1131

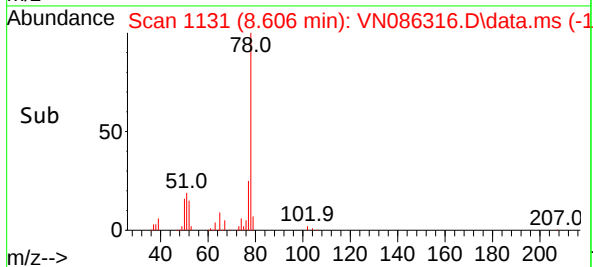
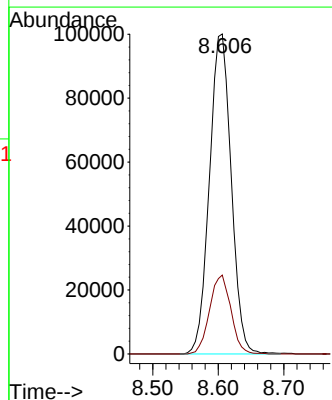
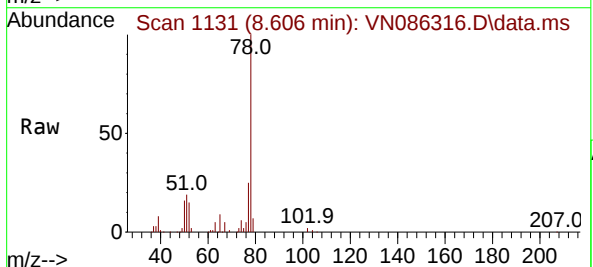
Delta R.T. 0.006 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Tgt Ion: 78 Resp: 230819

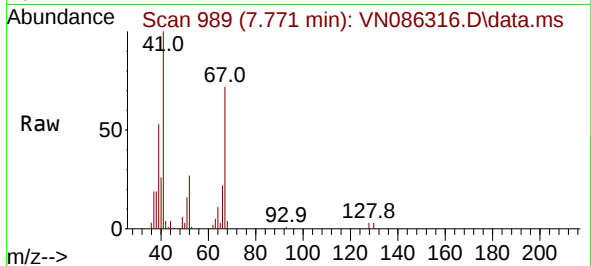
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.2





#41
Methacrylonitrile
Concen: 20.104 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

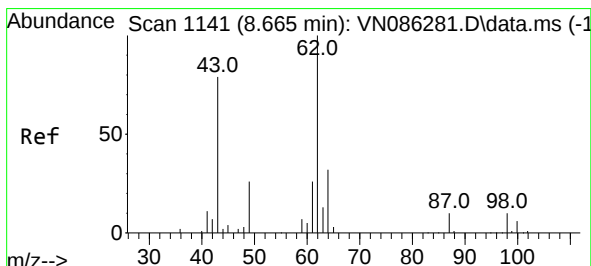
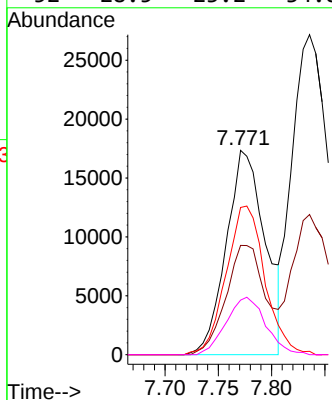
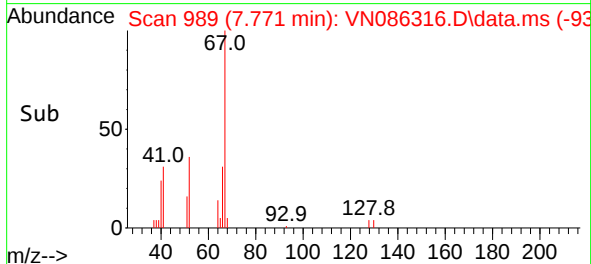
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion:	41	Resp:	4416
Ion Ratio	100	Lower	Upper
39	54.4	43.0	64.4
67	72.3	58.8	88.2
52	28.5	23.2	34.8

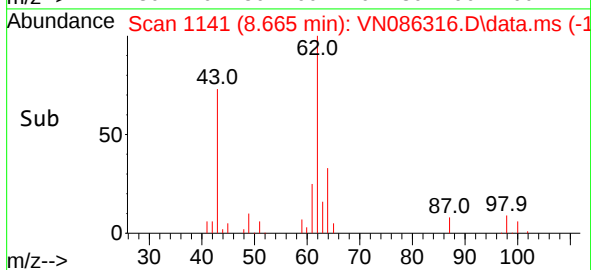
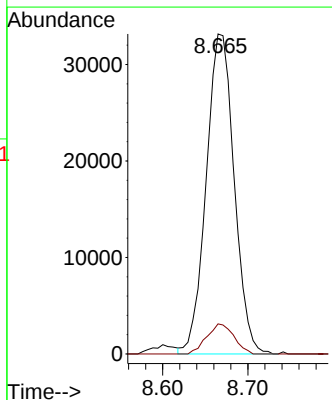
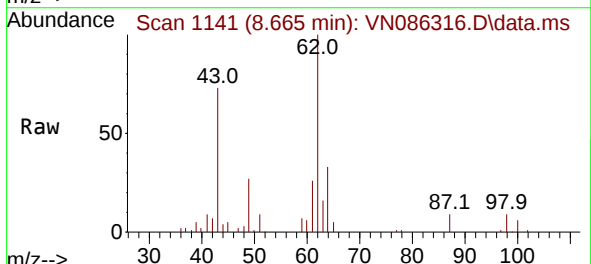
Manual Integrations
APPROVED

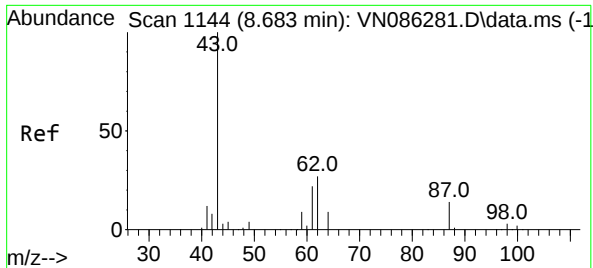
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#42
1,2-Dichloroethane
Concen: 20.592 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:	62	Resp:	75744
Ion Ratio	100	Lower	Upper
98	9.1	0.0	19.2





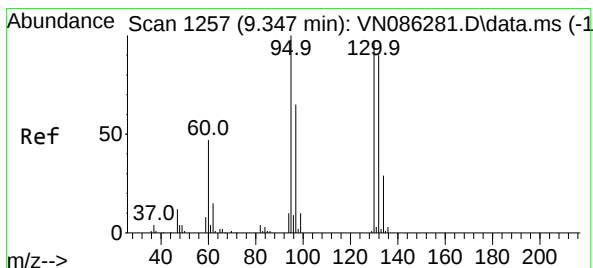
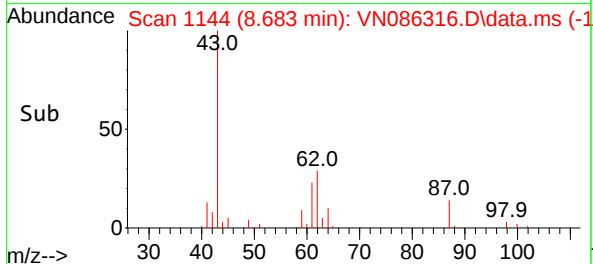
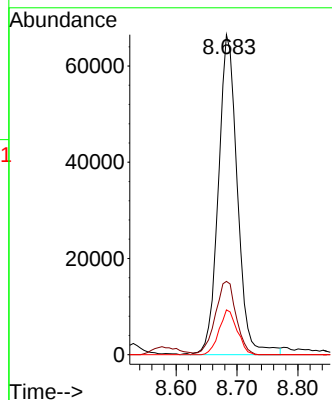
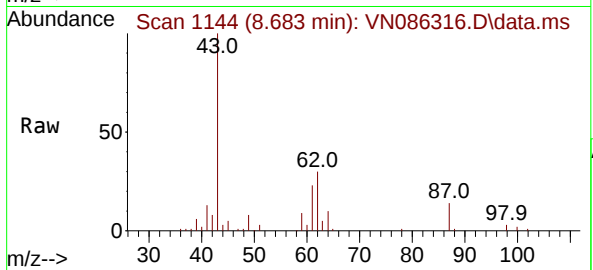
#43
Isopropyl Acetate
Concen: 19.864 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 43 Resp: 14457
Ion Ratio Lower Upper
43 100
61 25.0 20.5 30.7
87 13.2 10.5 15.7

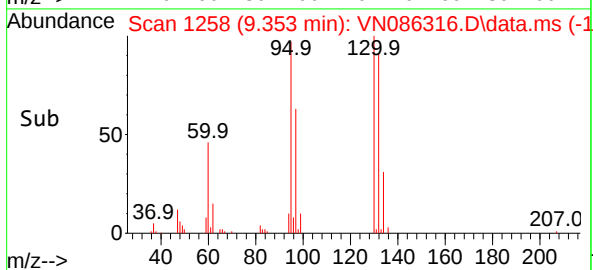
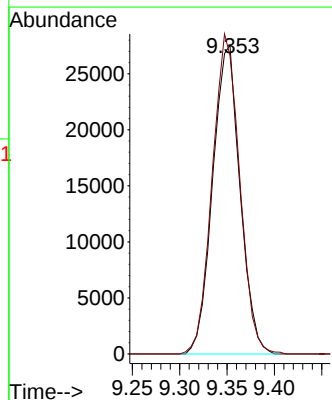
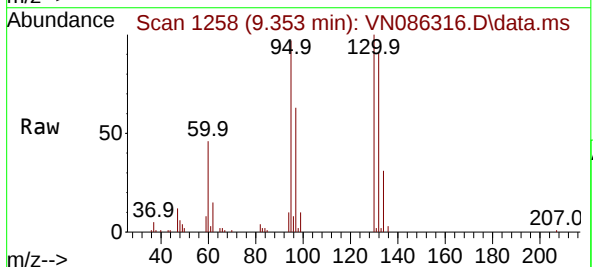
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#44
Trichloroethene
Concen: 20.225 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:130 Resp: 55293
Ion Ratio Lower Upper
130 100
95 96.6 0.0 207.2





#45

1,2-Dichloropropane

Concen: 19.928 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 63 Resp: 5626

Ion Ratio Lower Upper

63 100

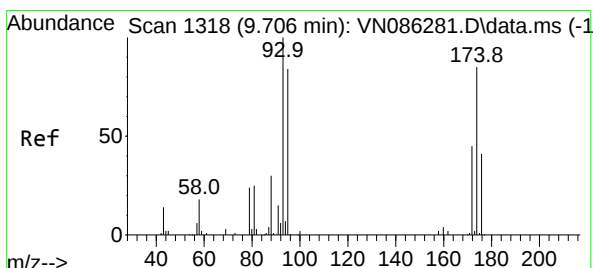
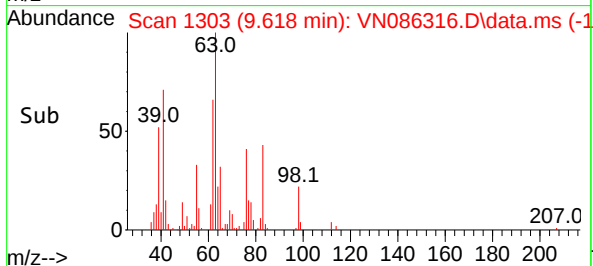
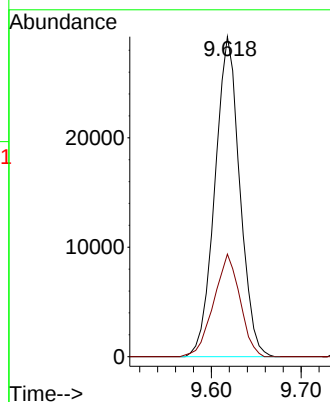
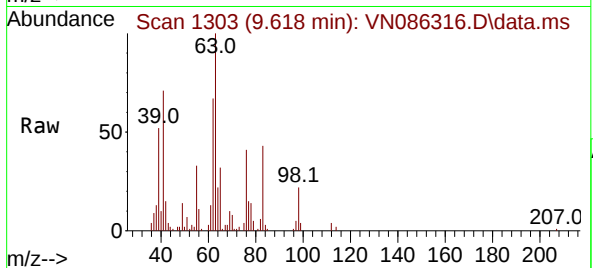
65 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#46

Dibromomethane

Concen: 20.865 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

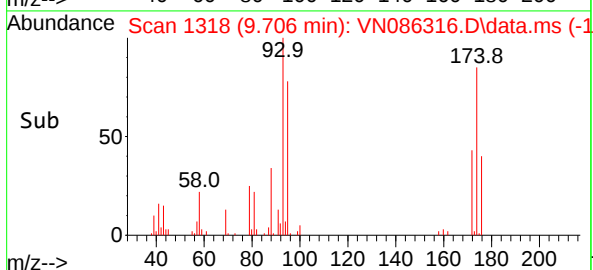
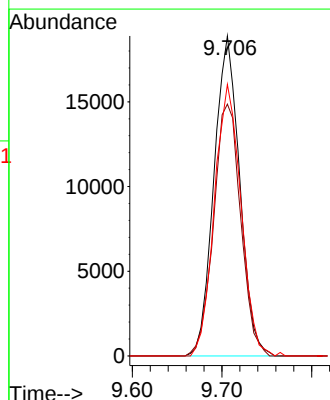
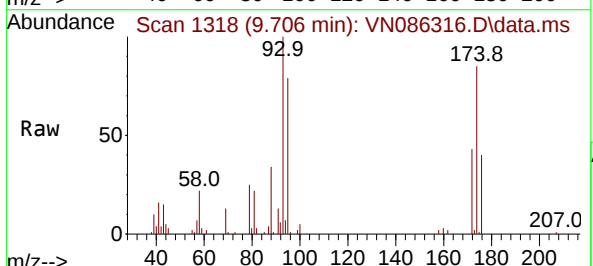
Tgt Ion: 93 Resp: 37536

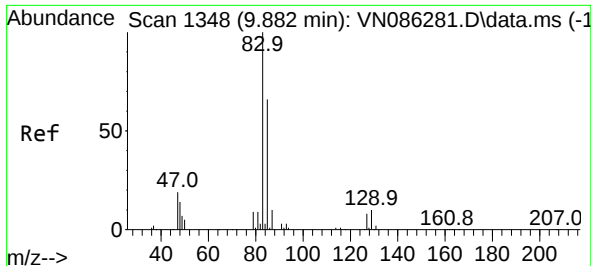
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

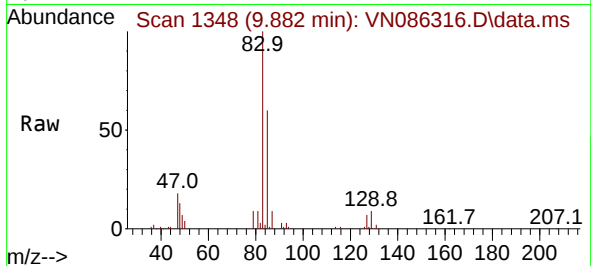
174 87.8 67.8 101.6





#47
Bromodichloromethane
Concen: 20.608 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

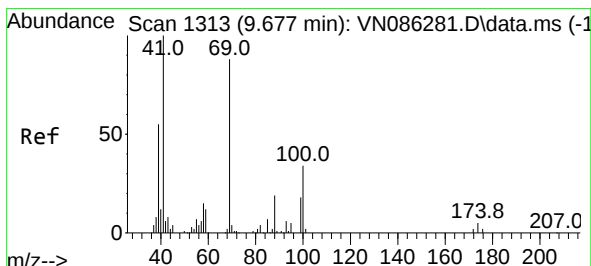
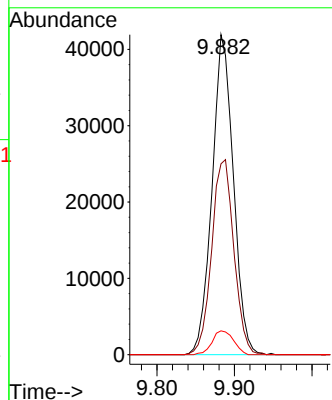
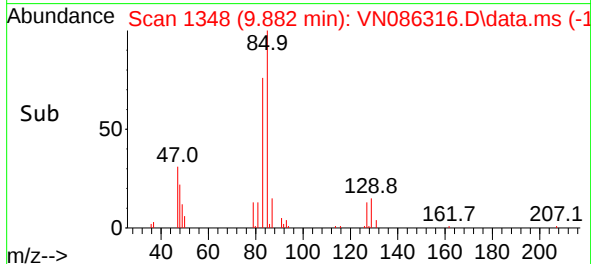
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



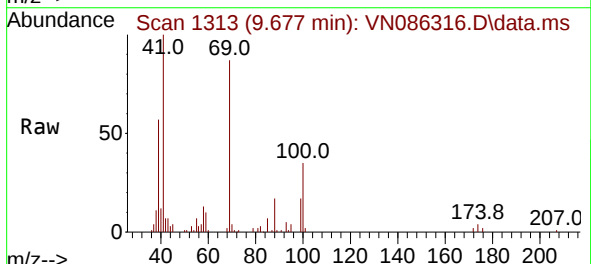
Tgt Ion: 83 Resp: 8007
Ion Ratio Lower Upper
83 100
85 59.7 52.6 78.8
127 7.5 6.1 9.1

Manual Integrations
APPROVED

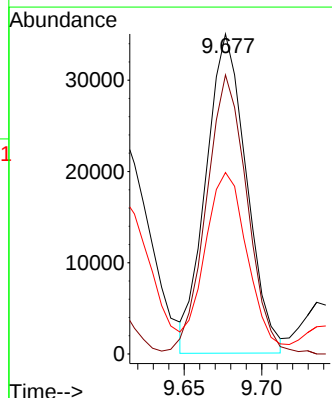
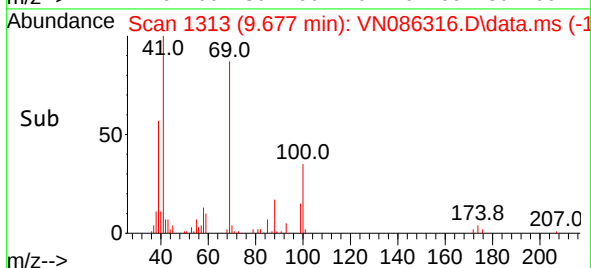
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

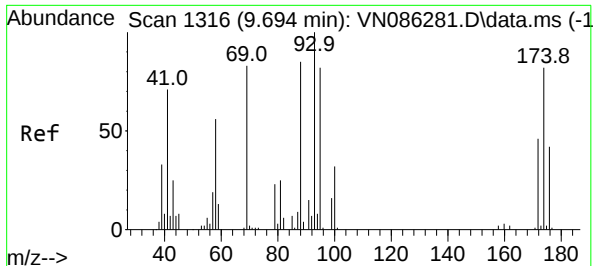


#48
Methyl methacrylate
Concen: 19.114 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion: 41 Resp: 63620
Ion Ratio Lower Upper
41 100
69 88.4 68.2 102.2
39 60.5 45.2 67.8





#49

1,4-Dioxane

Concen: 398.759 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086316.D

Acq: 17 Apr 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

VN0417MBS01

Tgt Ion: 88 Resp: 22570

Ion Ratio Lower Upper

88 100

43 27.1 23.8 35.8

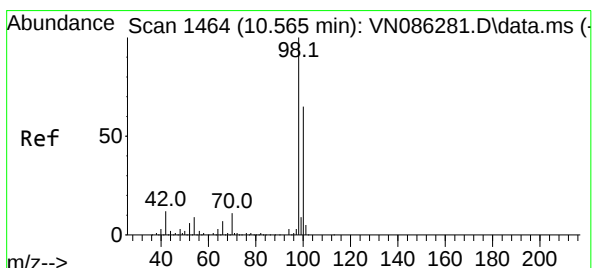
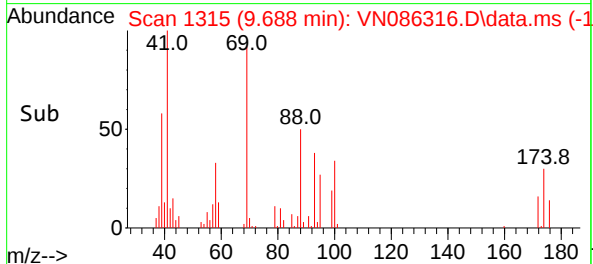
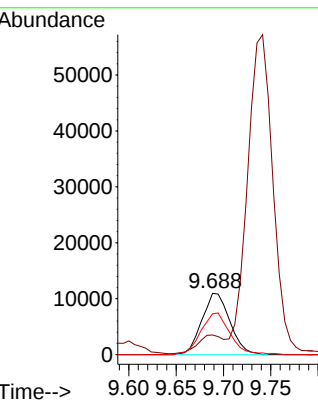
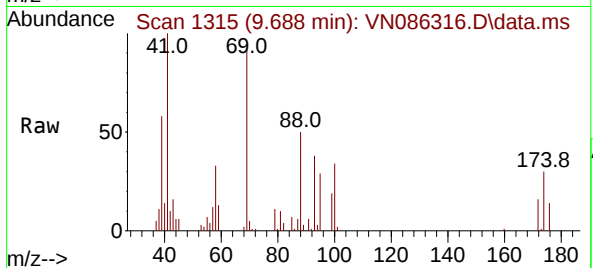
58 70.7 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#50

Toluene-d8

Concen: 53.555 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086316.D

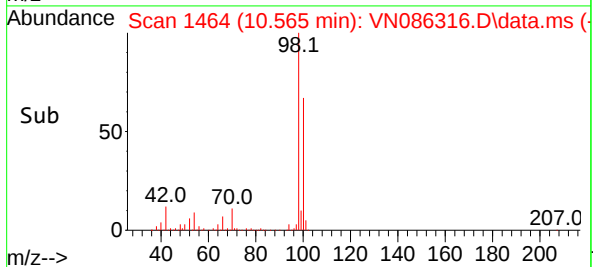
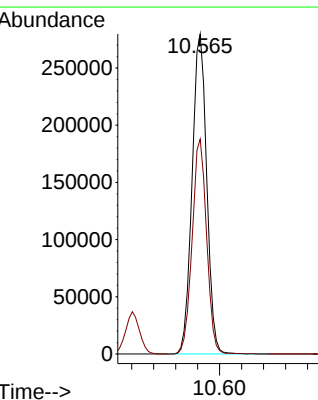
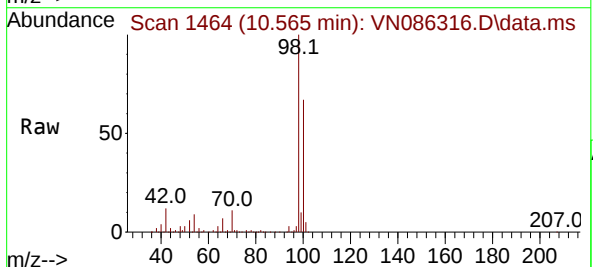
Acq: 17 Apr 2025 12:43

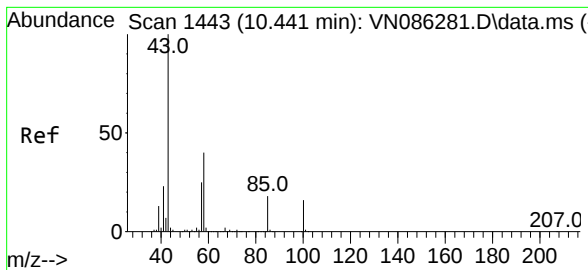
Tgt Ion: 98 Resp: 515900

Ion Ratio Lower Upper

98 100

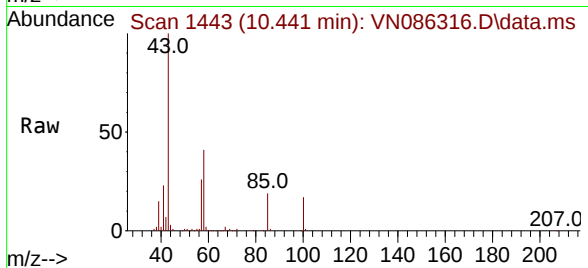
100 66.2 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 102.619 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

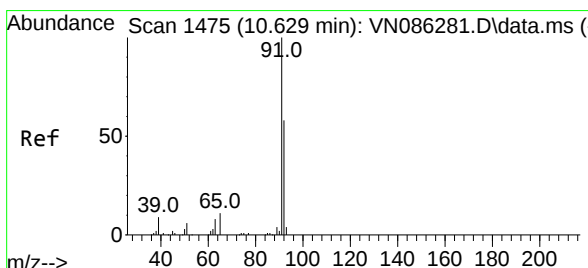
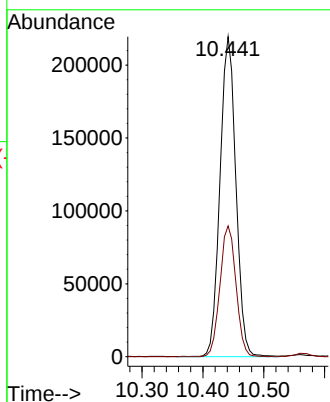
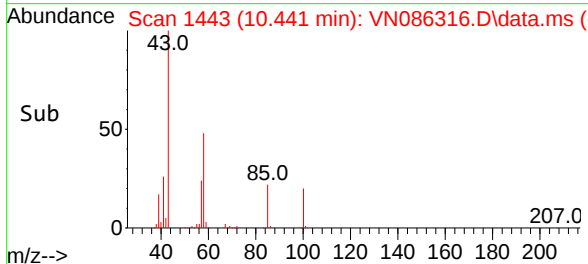
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion: 43 Resp: 398280
Ion Ratio Lower Upper
43 100
58 41.1 32.2 48.4

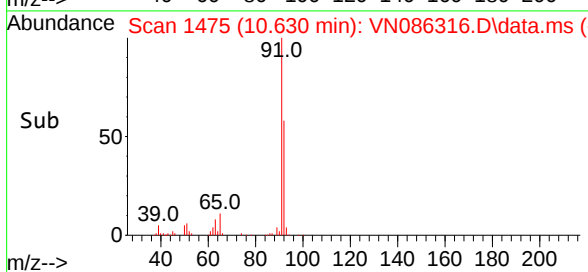
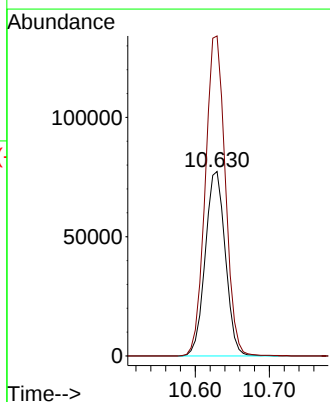
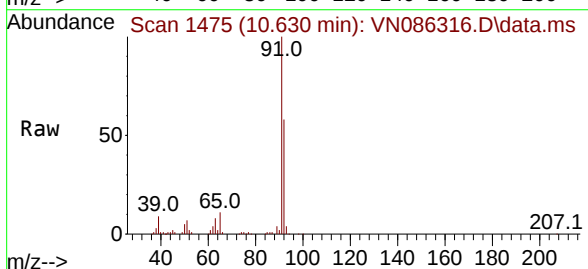
Manual Integrations
APPROVED

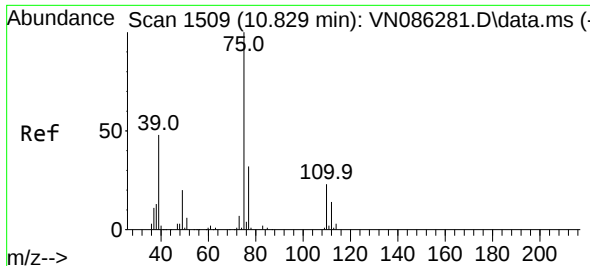
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Toluene
Concen: 20.235 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

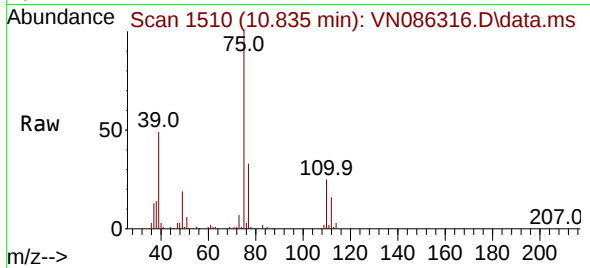
Tgt Ion: 92 Resp: 145633
Ion Ratio Lower Upper
92 100
91 172.9 137.3 205.9





#53
 t-1,3-Dichloropropene
 Concen: 20.643 ug/l
 RT: 10.835 min Scan# 1509
 Delta R.T. 0.006 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

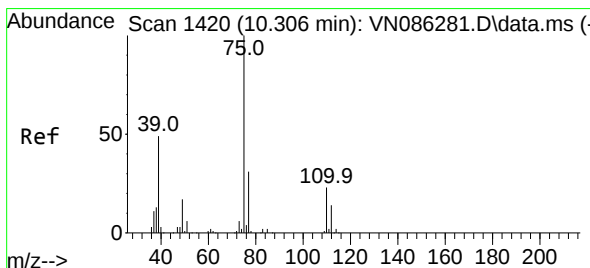
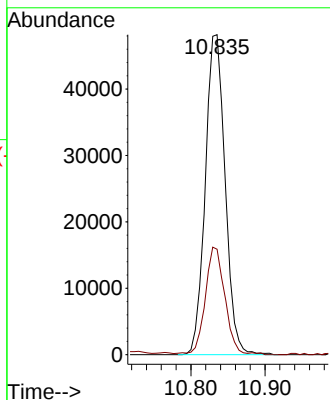
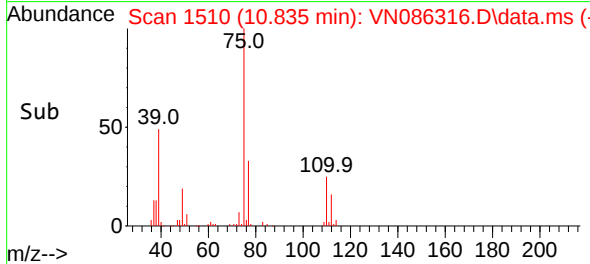
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01



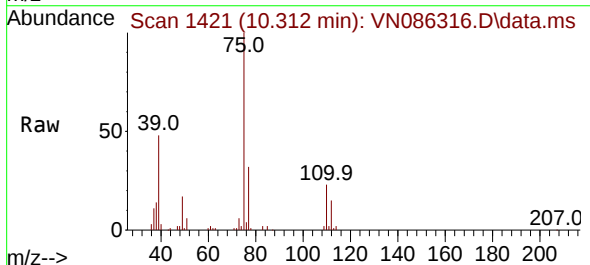
Tgt Ion: 75 Resp: 89532
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.0

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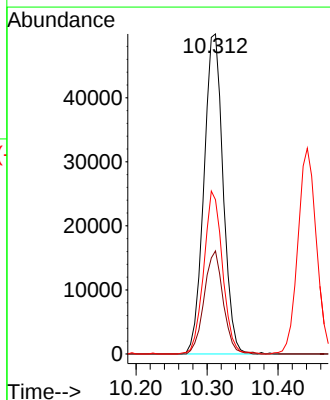
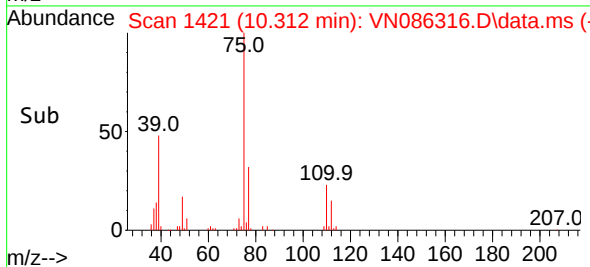
Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

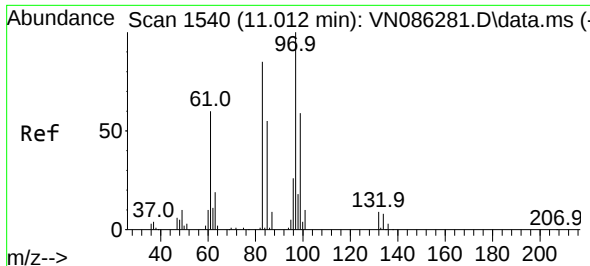


#54
 cis-1,3-Dichloropropene
 Concen: 19.690 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.006 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43



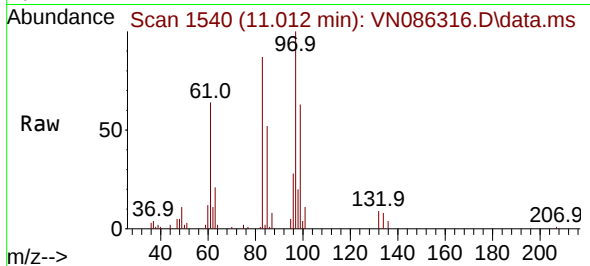
Tgt Ion: 75 Resp: 93799
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8
 39 48.2 39.3 58.9





#55
1,1,2-Trichloroethane
Concen: 20.556 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

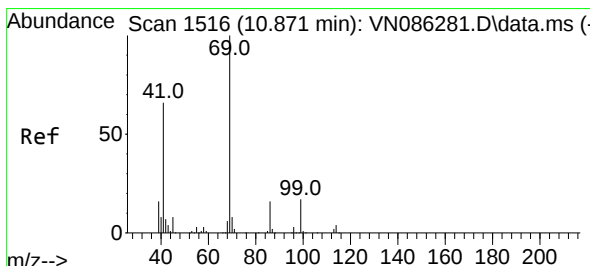
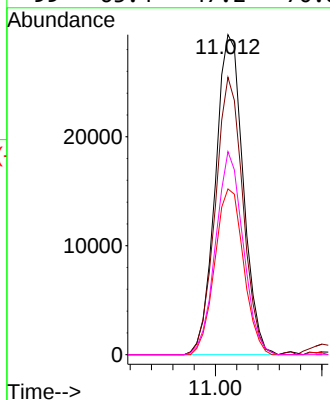
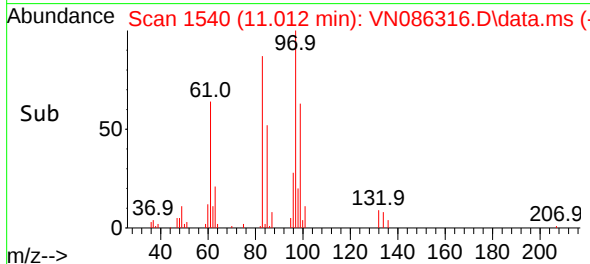


Tgt Ion: 97 Resp: 53230

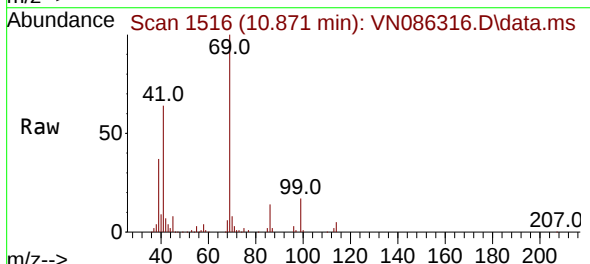
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.4	102.6
85	51.8	43.9	65.9
99	63.4	47.2	70.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

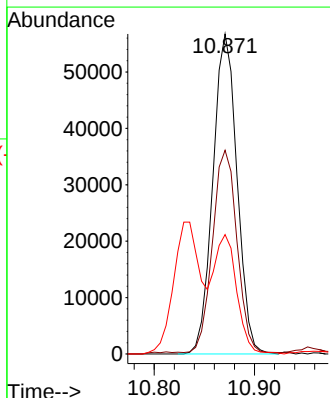
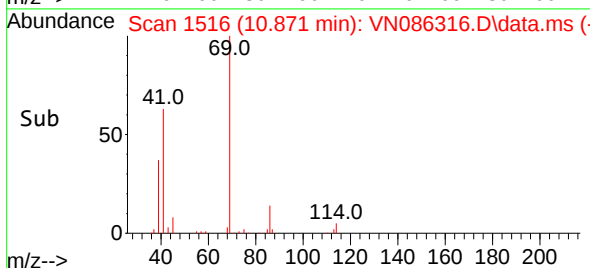


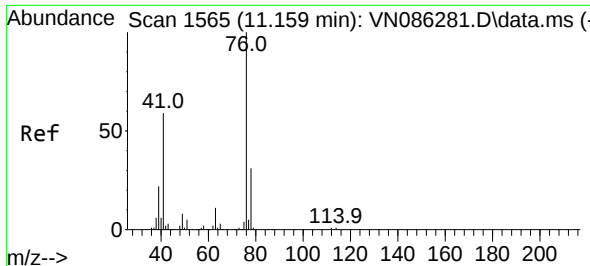
#56
Ethyl methacrylate
Concen: 19.912 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion: 69 Resp: 94777

Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.7	77.5
39	34.9	26.3	39.5





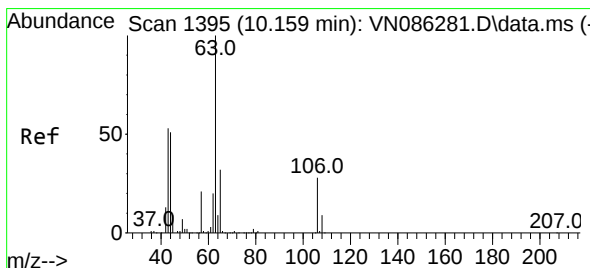
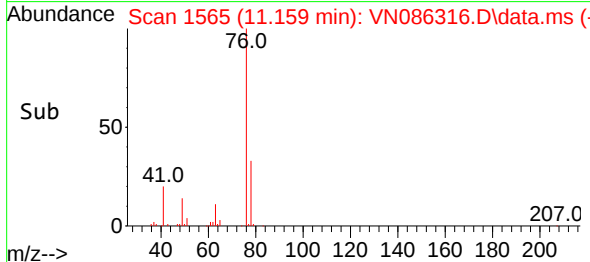
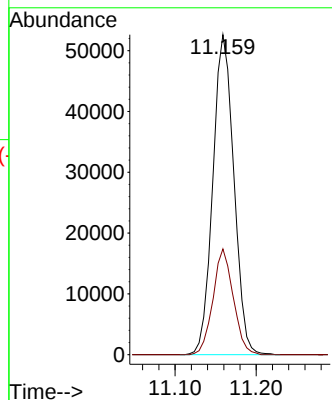
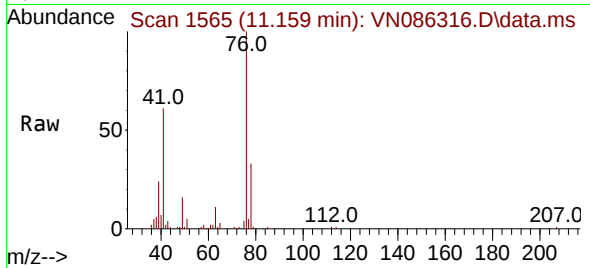
#57
1,3-Dichloropropane
Concen: 20.623 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 76 Resp: 94752
Ion Ratio Lower Upper
76 100
78 31.9 25.6 38.4

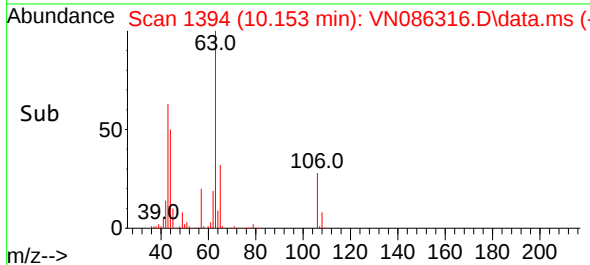
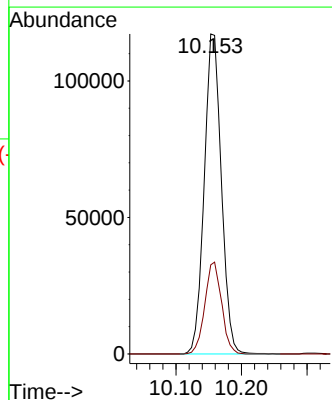
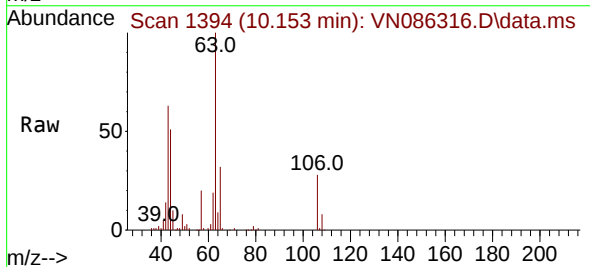
Manual Integrations
APPROVED

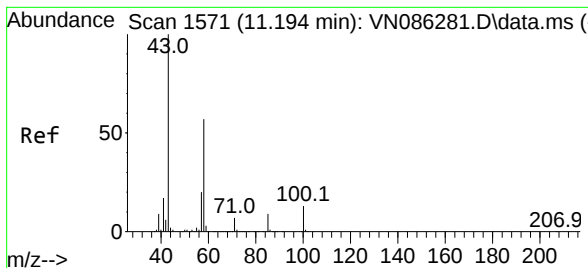
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
2-Chloroethyl Vinyl ether
Concen: 94.388 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

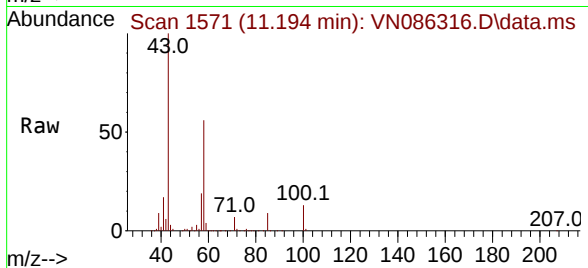
Tgt Ion: 63 Resp: 213241
Ion Ratio Lower Upper
63 100
106 28.0 22.2 33.2





#59
2-Hexanone
Concen: 102.119 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

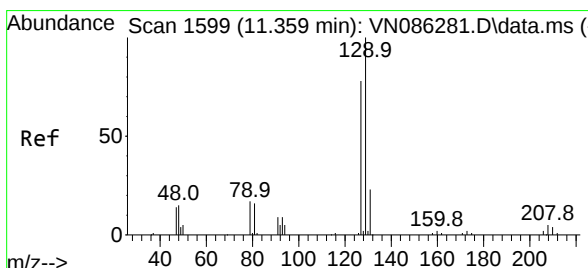
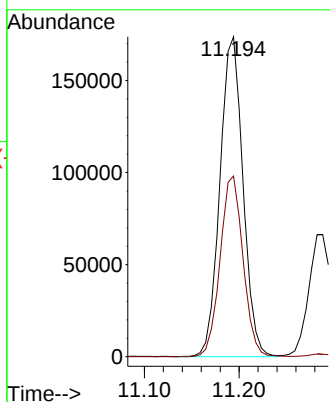
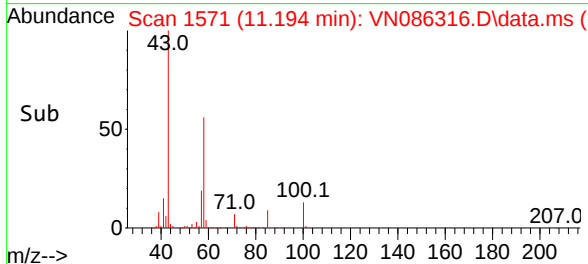
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion: 43 Resp: 29397
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0

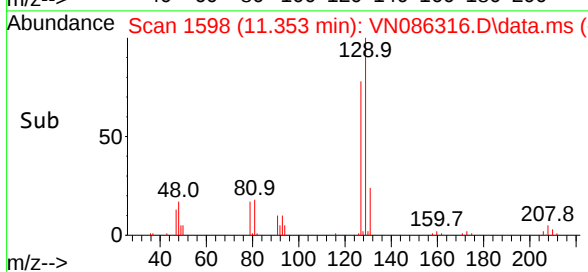
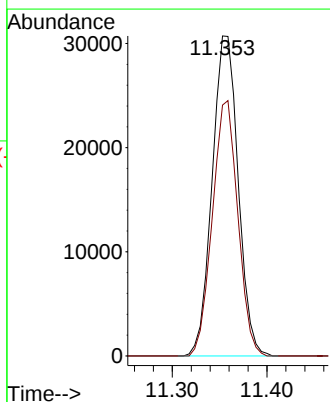
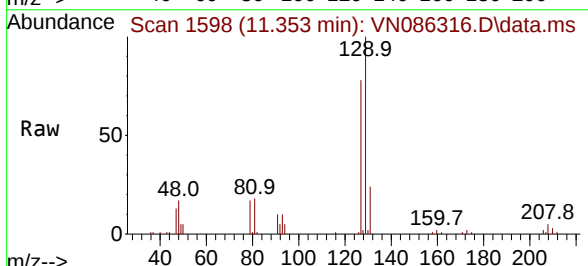
Manual Integrations
APPROVED

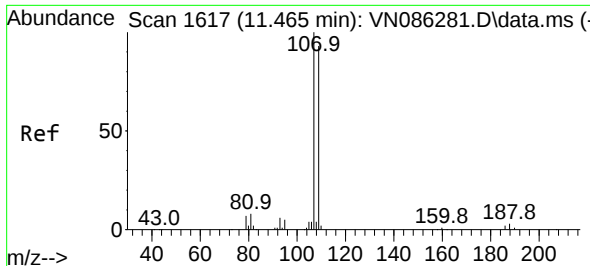
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#60
Dibromochloromethane
Concen: 20.641 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

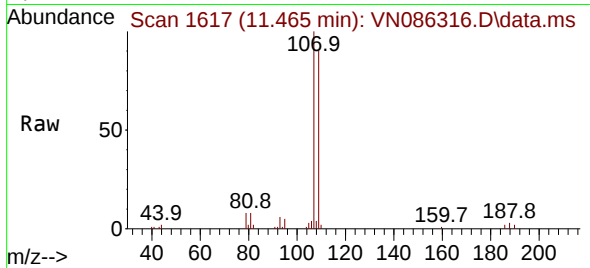
Tgt Ion:129 Resp: 58694
Ion Ratio Lower Upper
129 100
127 78.0 38.7 116.1





#61
1,2-Dibromoethane
Concen: 20.775 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

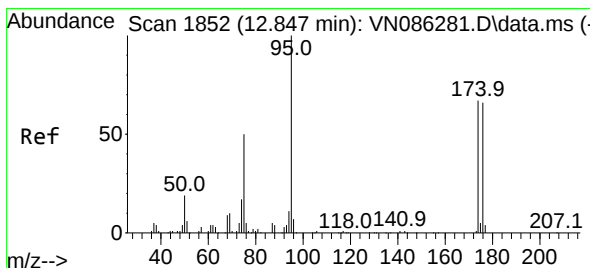
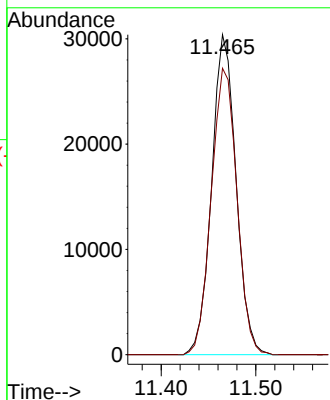
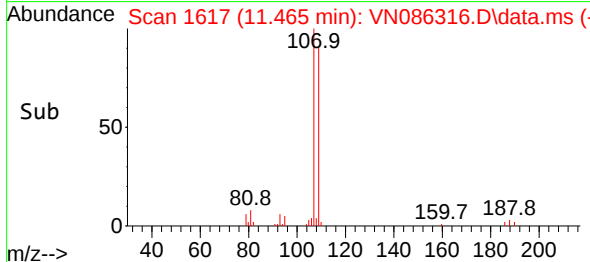
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



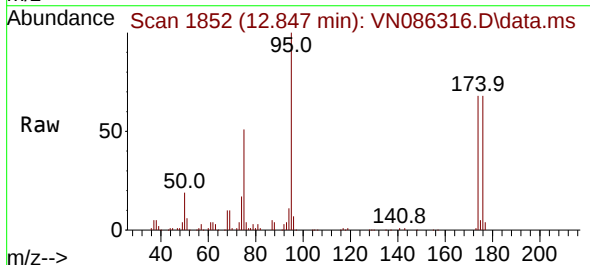
Tgt Ion:107 Resp: 5428
Ion Ratio Lower Upper
107 100
109 94.1 75.4 113.0

Manual Integrations
APPROVED

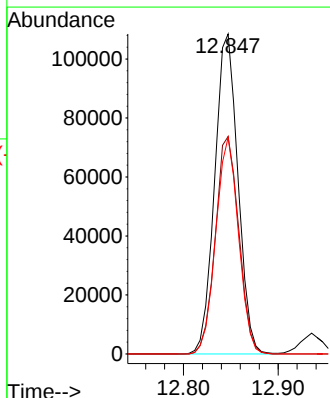
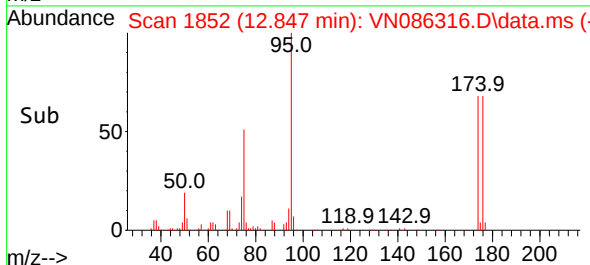
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

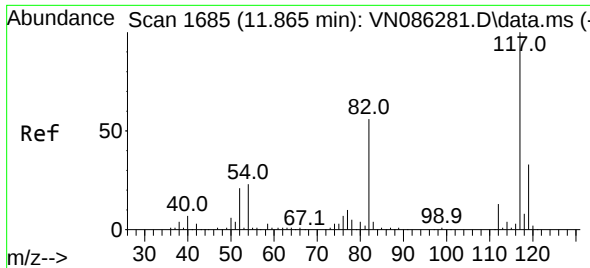


#62
4-Bromofluorobenzene
Concen: 52.707 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



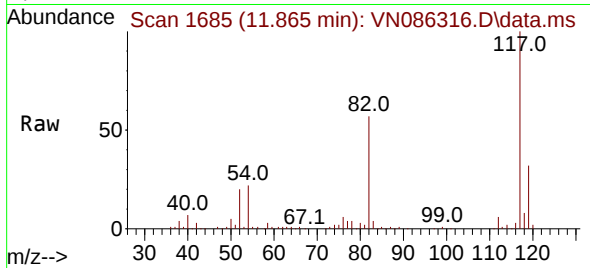
Tgt Ion: 95 Resp: 185193
Ion Ratio Lower Upper
95 100
174 68.6 0.0 133.4
176 65.9 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

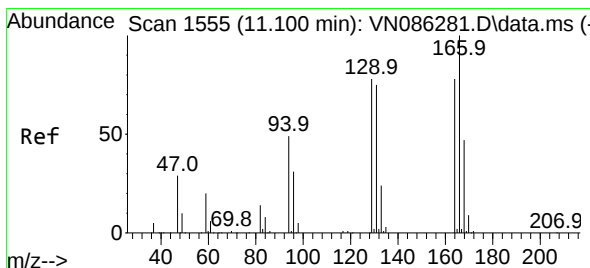
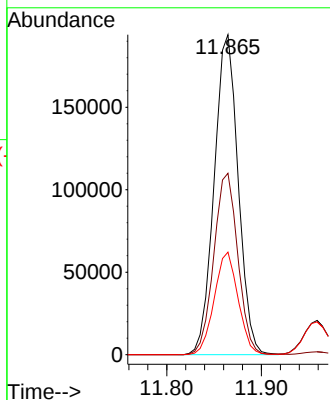
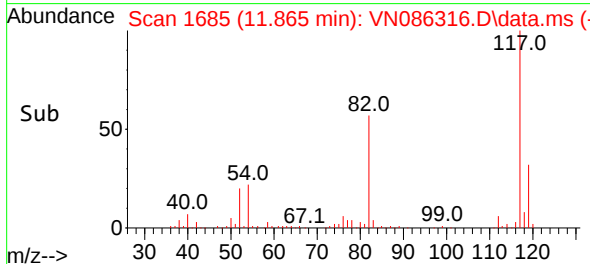
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



Tgt Ion:117 Resp: 34213
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 32.1 26.4 39.6

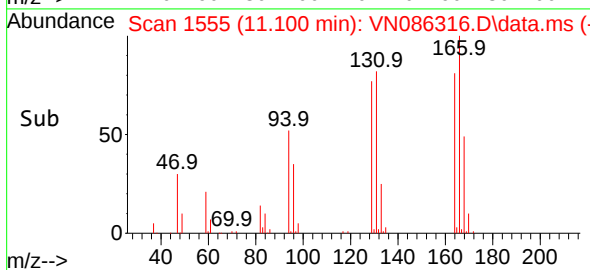
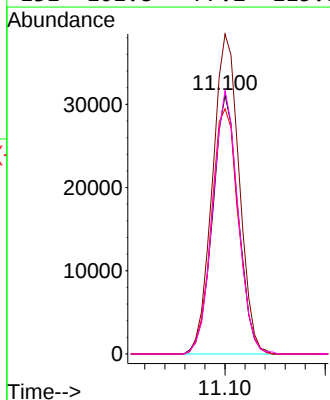
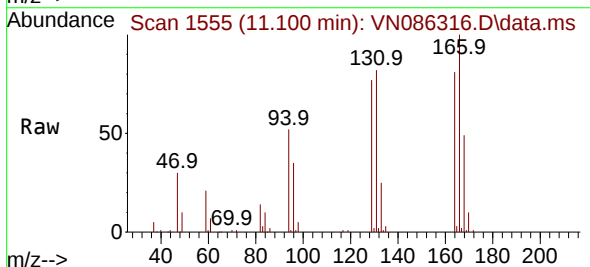
Manual Integrations
APPROVED

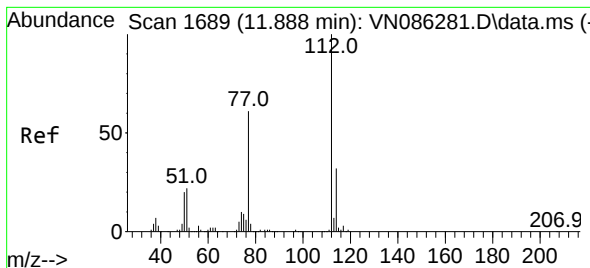
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#64
Tetrachloroethene
Concen: 20.895 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

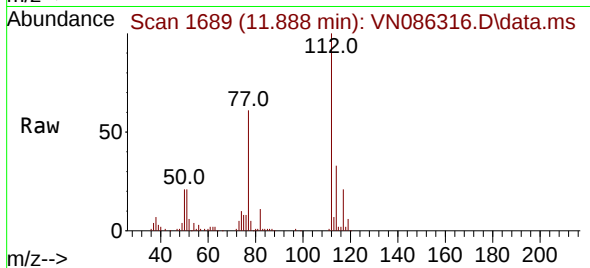
Tgt Ion:164 Resp: 54989
Ion Ratio Lower Upper
164 100
166 123.7 103.0 154.4
129 94.8 80.1 120.1
131 101.8 77.2 115.8





#65
Chlorobenzene
Concen: 19.937 ug/l
RT: 11.888 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

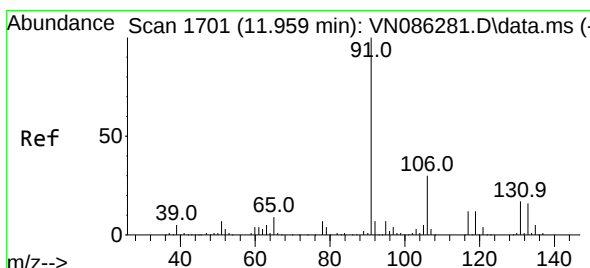
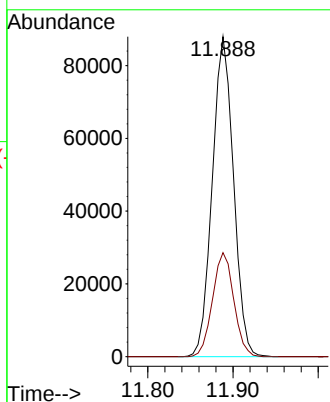
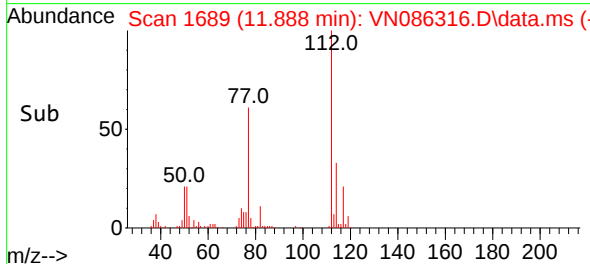
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



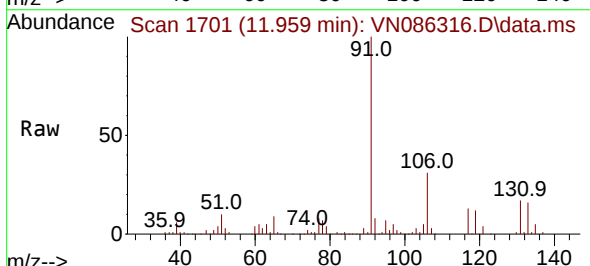
Tgt Ion:112 Resp: 15222
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

Manual Integrations
APPROVED

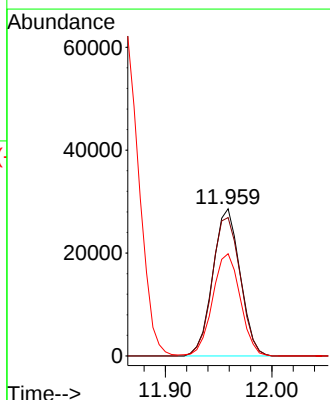
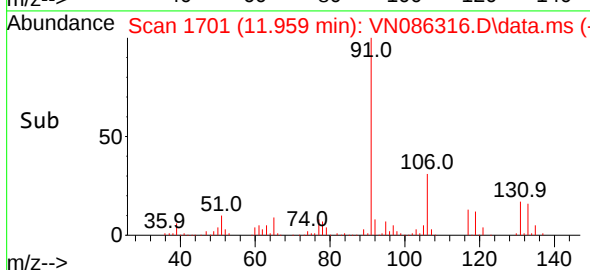
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

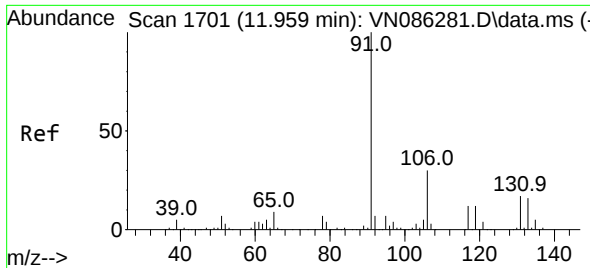


#66
1,1,1,2-Tetrachloroethane
Concen: 20.268 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion:131 Resp: 51052
Ion Ratio Lower Upper
131 100
133 96.8 47.1 141.3
119 70.4 33.8 101.4





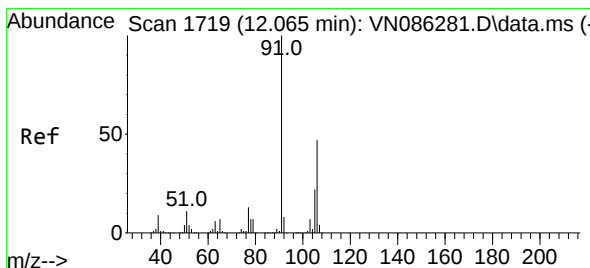
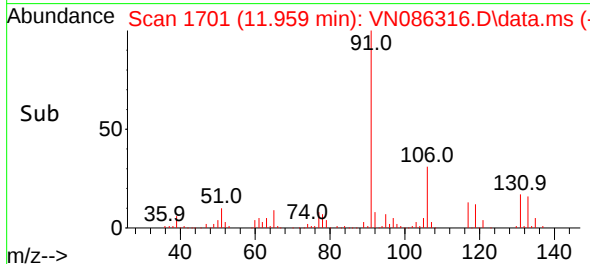
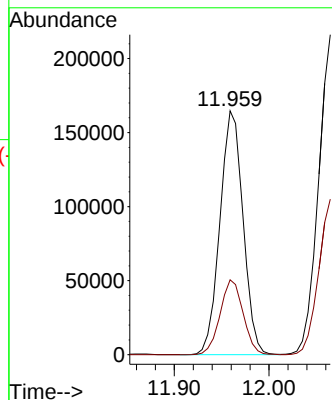
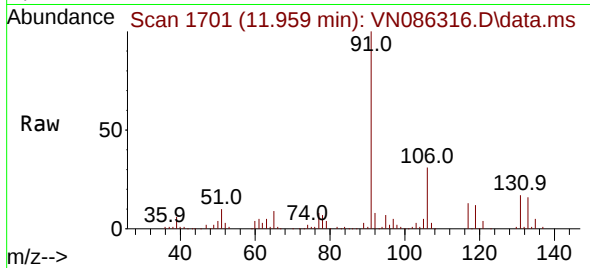
#67
Ethyl Benzene
Concen: 20.295 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 91 Resp: 279625
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

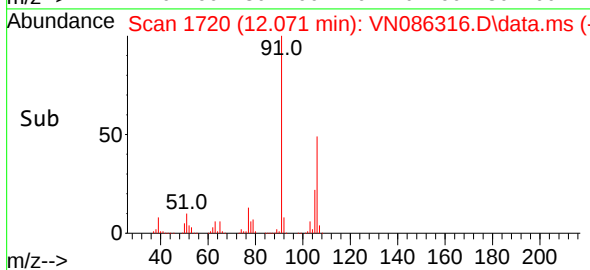
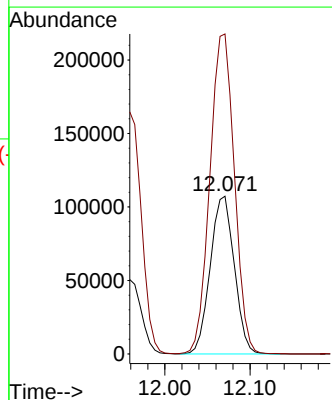
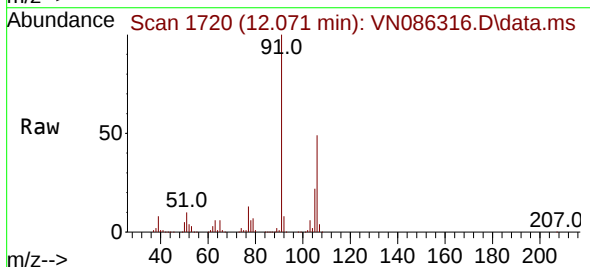
Manual Integrations
APPROVED

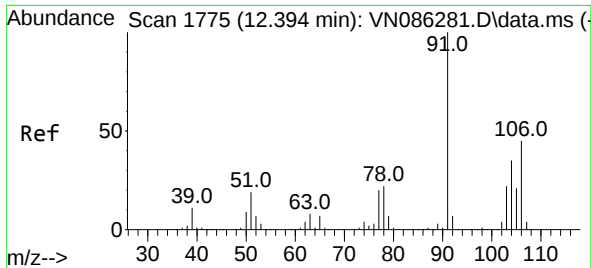
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
m/p-Xylenes
Concen: 40.883 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:106 Resp: 211061
Ion Ratio Lower Upper
106 100
91 206.7 166.5 249.7





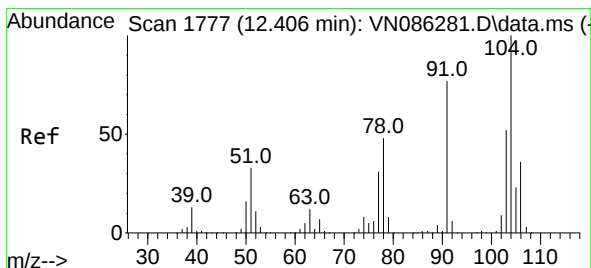
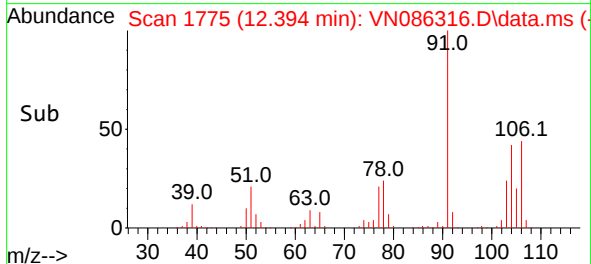
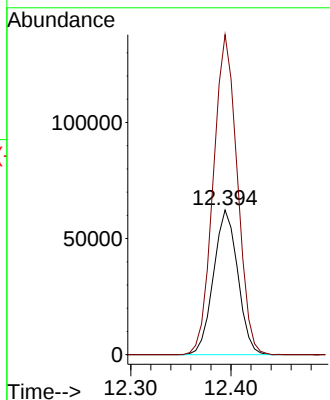
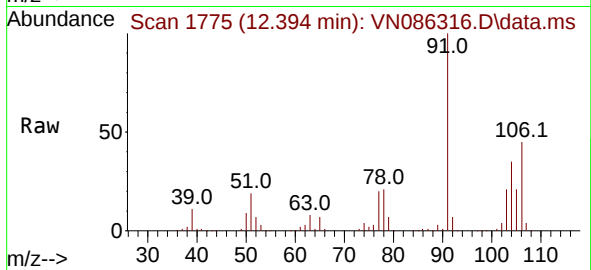
#69
o-Xylene
Concen: 20.443 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion:106 Resp: 104369
Ion Ratio Lower Upper
106 100
91 219.2 109.7 329.0

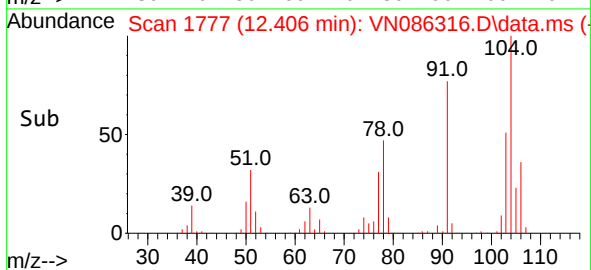
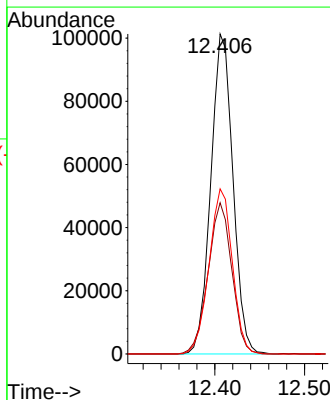
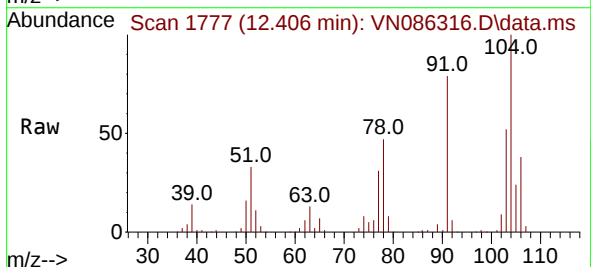
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#70
Styrene
Concen: 20.398 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:104 Resp: 173521
Ion Ratio Lower Upper
104 100
78 50.7 40.6 61.0
103 54.3 43.6 65.4





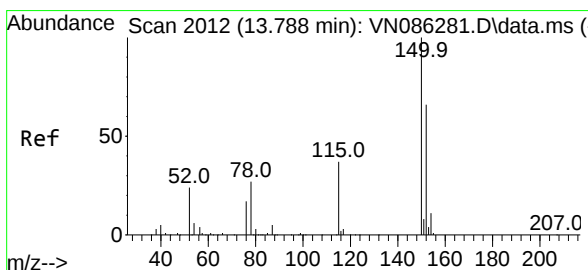
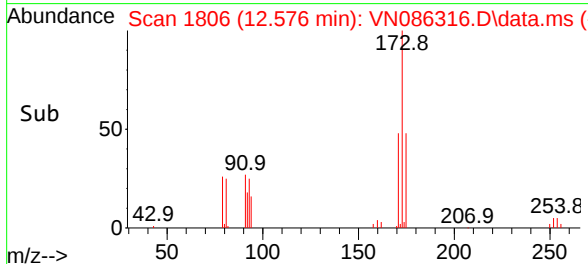
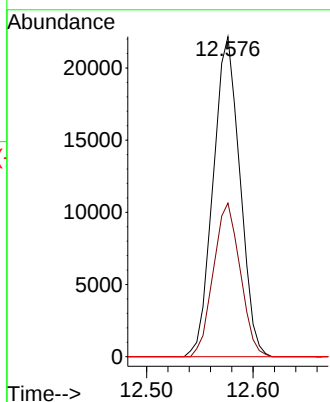
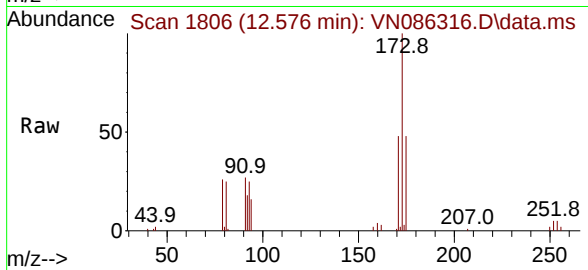
#71
Bromoform
Concen: 20.401 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion:173 Resp: 38690
Ion Ratio Lower Upper
173 100
175 48.1 24.6 73.6
254 0.0 0.0 0.0

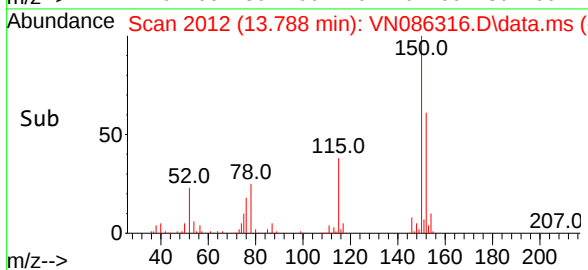
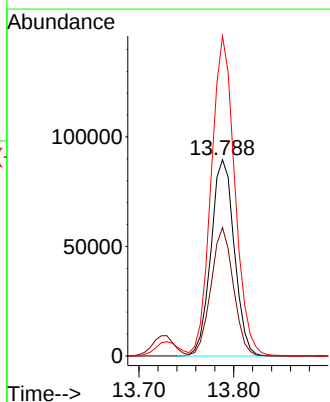
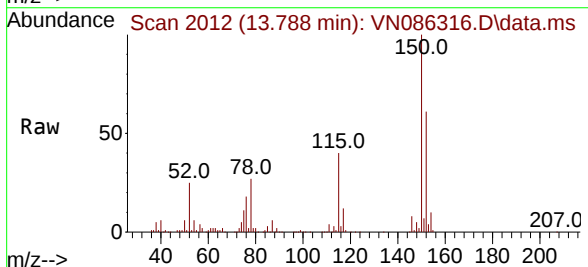
Manual Integrations
APPROVED

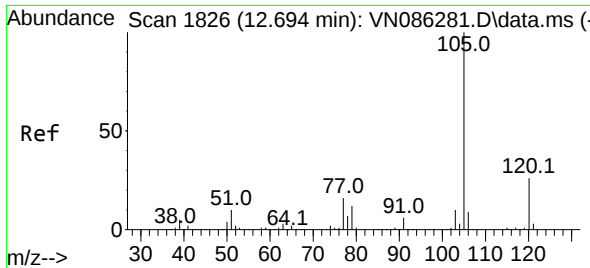
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:152 Resp: 153358
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.9
150 165.0 0.0 352.0





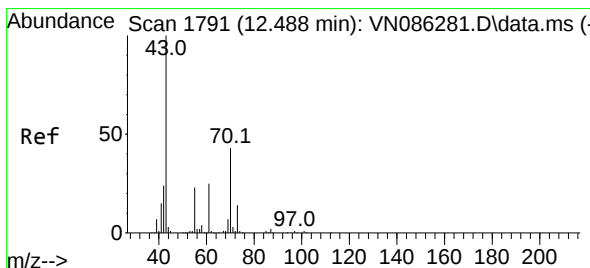
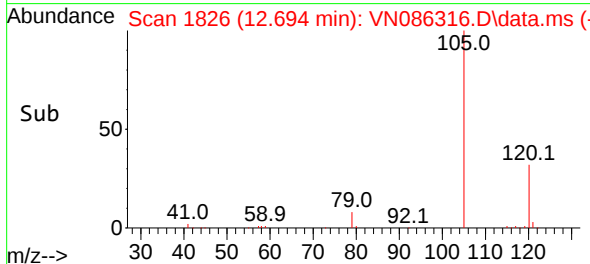
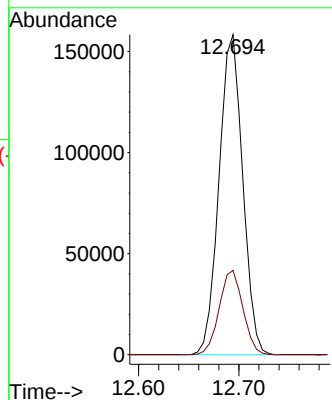
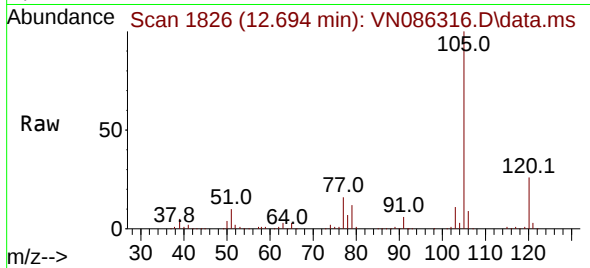
#73
Isopropylbenzene
Concen: 20.615 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 105 Resp: 258610
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3

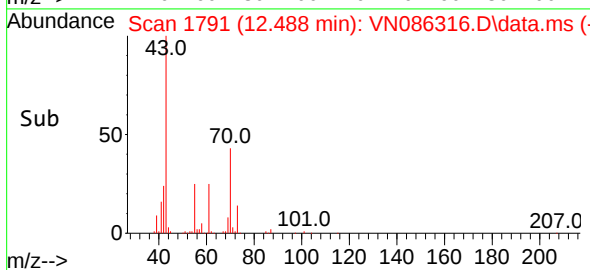
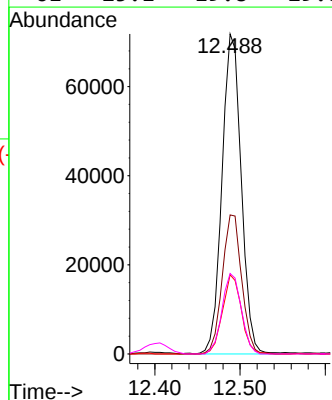
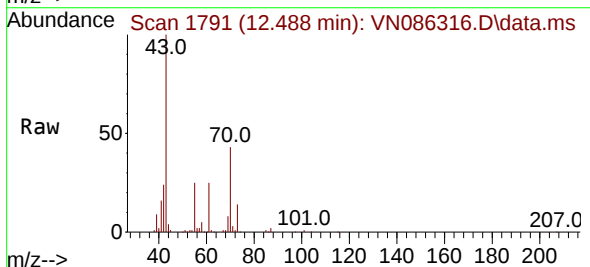
Manual Integrations
APPROVED

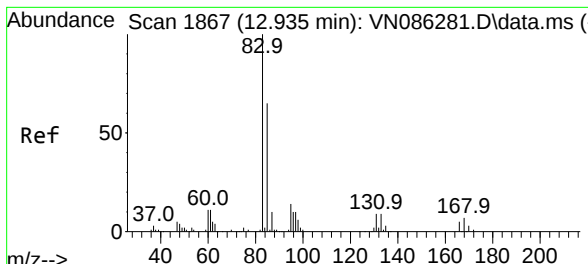
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#74
N-ethyl acetate
Concen: 18.108 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

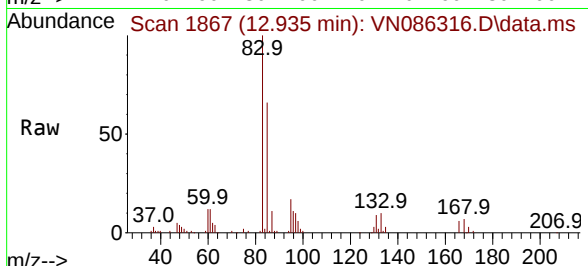
Tgt Ion: 43 Resp: 113088
Ion Ratio Lower Upper
43 100
70 43.8 35.0 52.4
55 24.1 19.0 28.4
61 25.1 19.8 29.8





#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.195 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

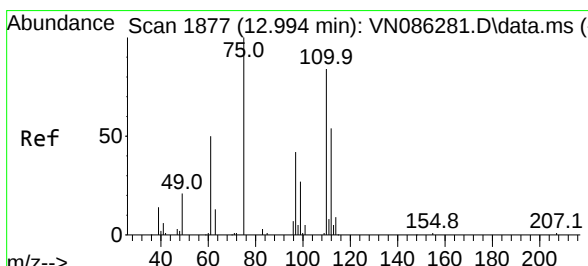
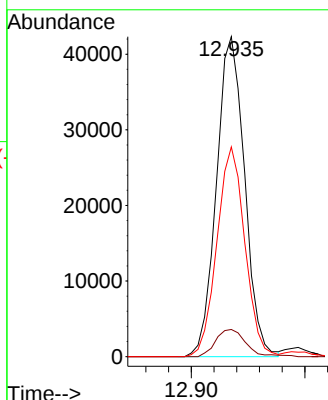
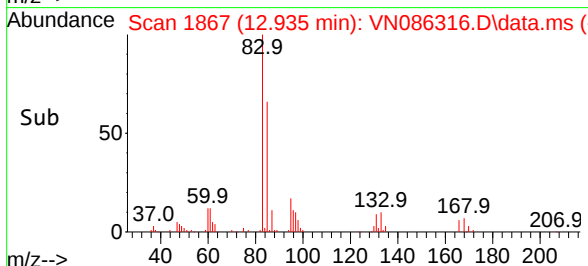
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01



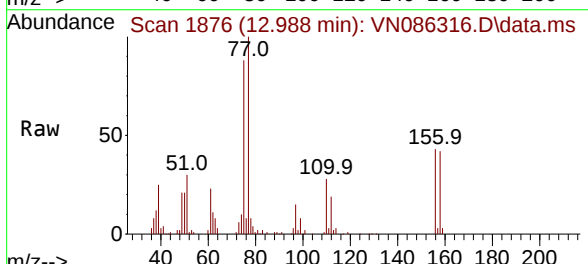
Tgt Ion: 83 Resp: 72844
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.1
 85 65.0 32.7 98.1

Manual Integrations
 APPROVED

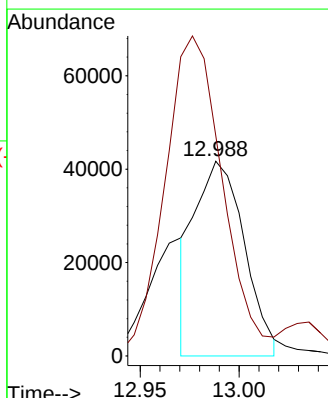
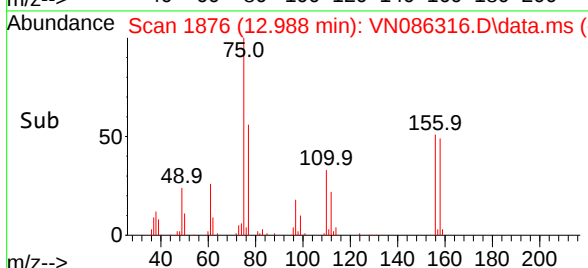
Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#76
 1,2,3-Trichloropropane
 Concen: 19.987 ug/l m
 RT: 12.988 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43



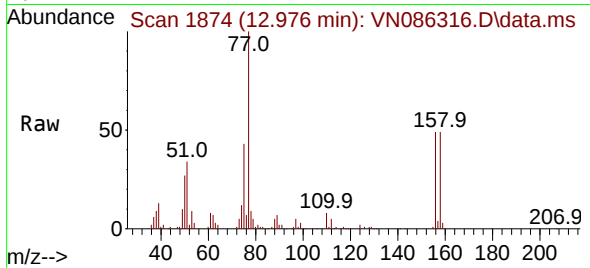
Tgt Ion: 75 Resp: 72333
 Ion Ratio Lower Upper
 75 100
 77 192.9 98.8 296.4





#77
Bromobenzene
Concen: 21.222 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

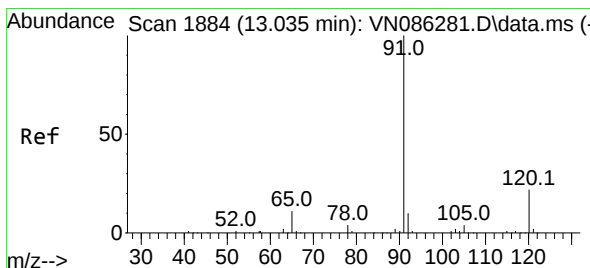
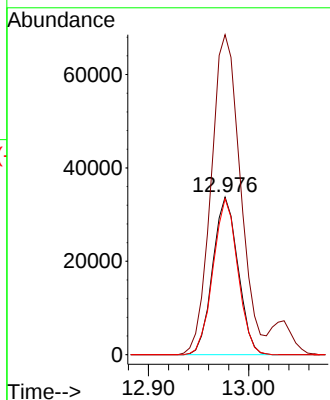
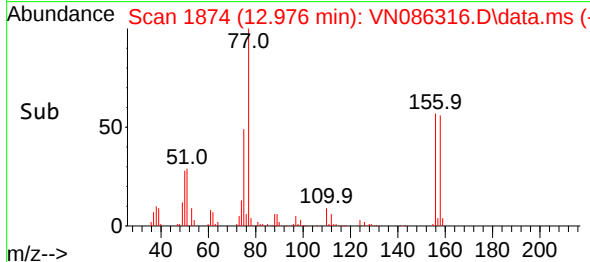
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



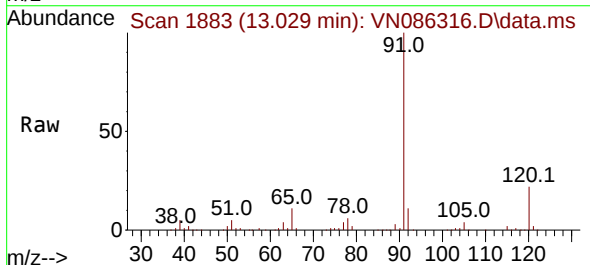
Tgt Ion:156 Resp: 58990
Ion Ratio Lower Upper
156 100
77 236.6 121.1 363.1
158 96.8 47.9 143.6

Manual Integrations
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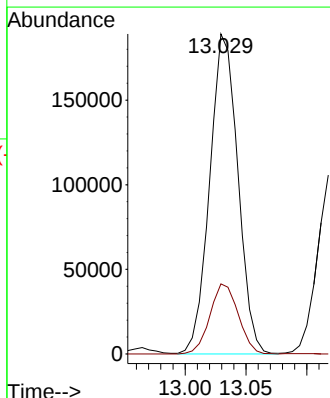
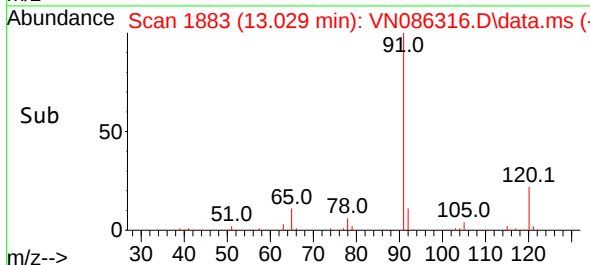
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

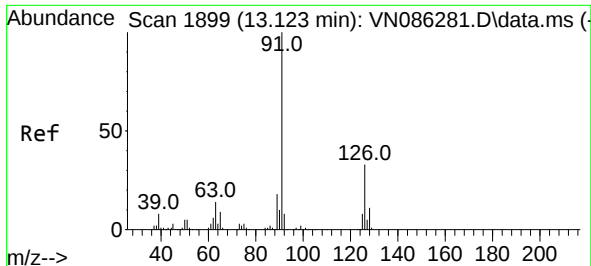


#78
n-propylbenzene
Concen: 20.621 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion: 91 Resp: 304839
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3





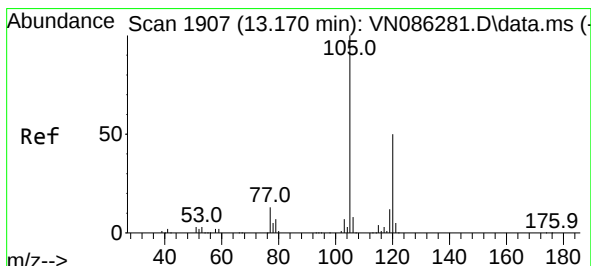
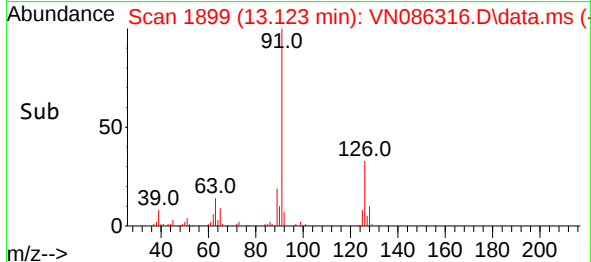
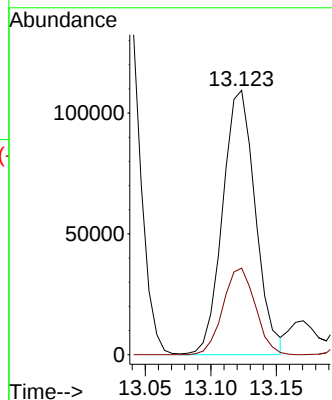
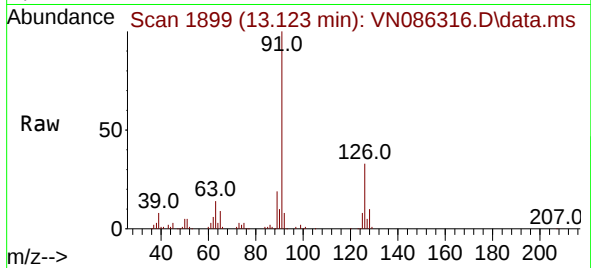
#79
2-Chlorotoluene
Concen: 20.566 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 91 Resp: 19023
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.2

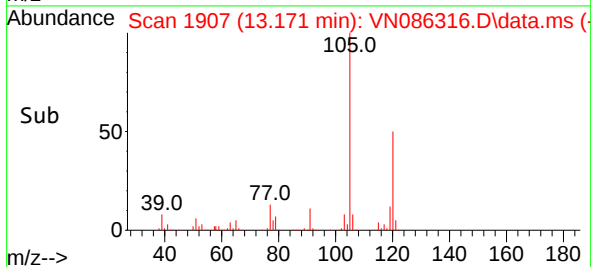
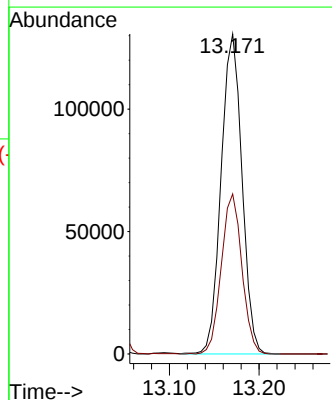
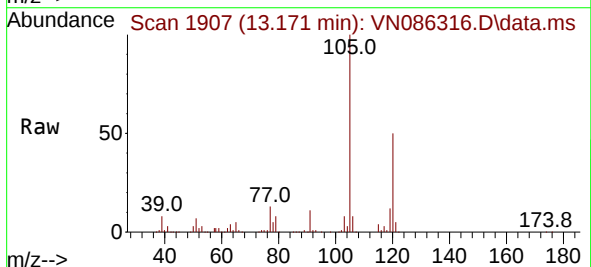
Manual Integrations
APPROVED

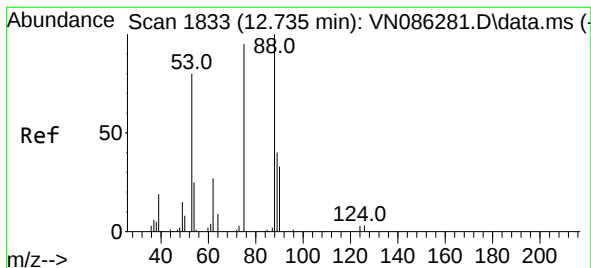
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.543 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

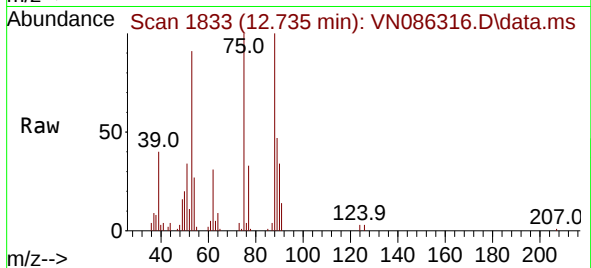
Tgt Ion:105 Resp: 210929
Ion Ratio Lower Upper
105 100
120 49.3 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 20.375 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

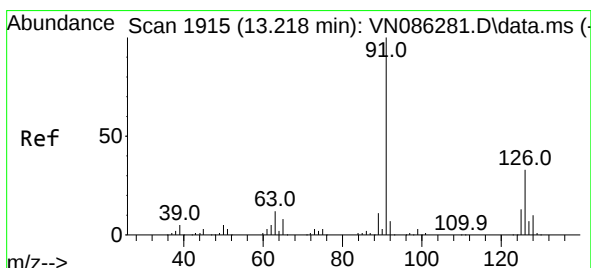
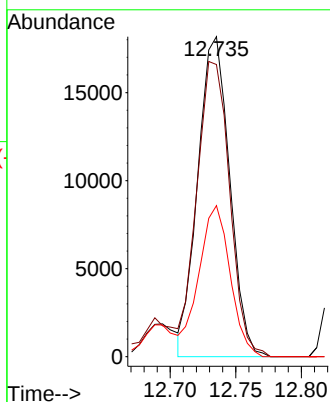
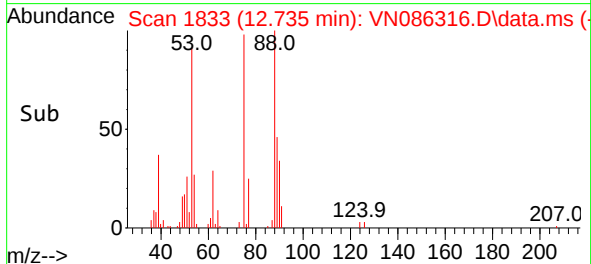
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



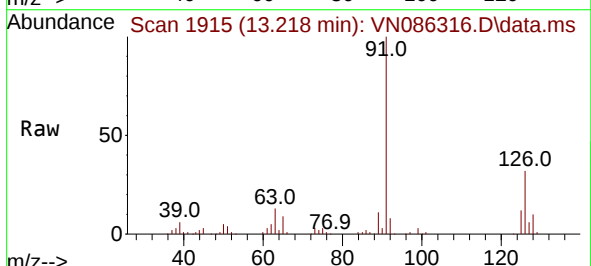
Tgt Ion: 75 Resp: 3070
Ion Ratio Lower Upper
75 100
53 95.0 79.2 118.8
89 46.5 35.7 53.5

Manual Integrations
APPROVED

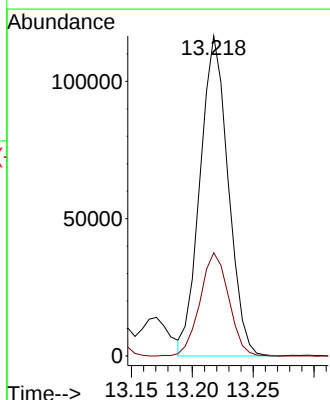
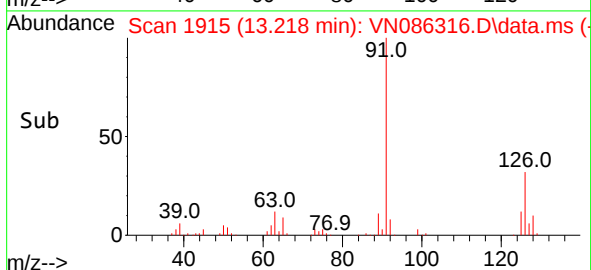
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

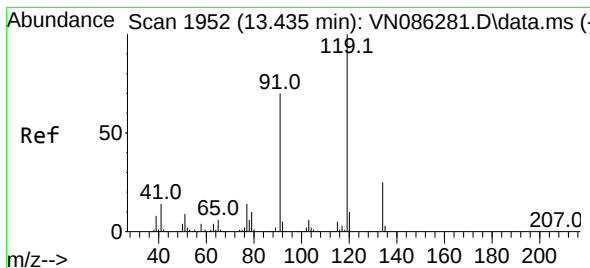


#82
4-Chlorotoluene
Concen: 20.421 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



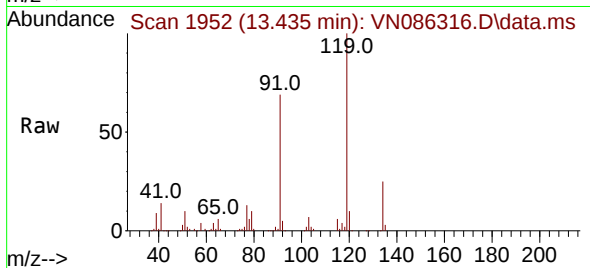
Tgt Ion: 91 Resp: 187646
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6





#83
tert-Butylbenzene
Concen: 20.282 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

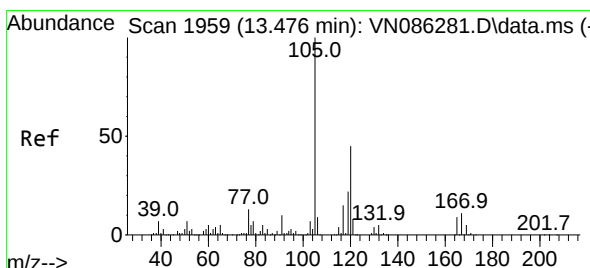
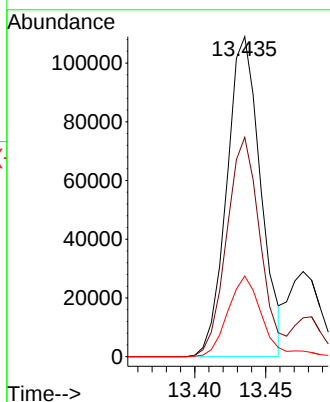
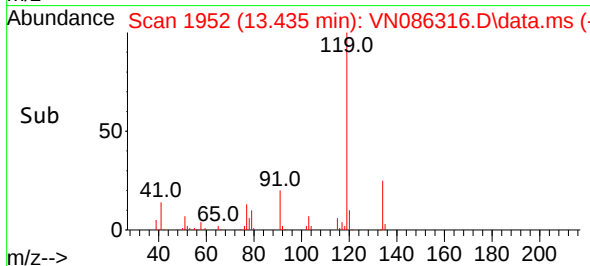
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



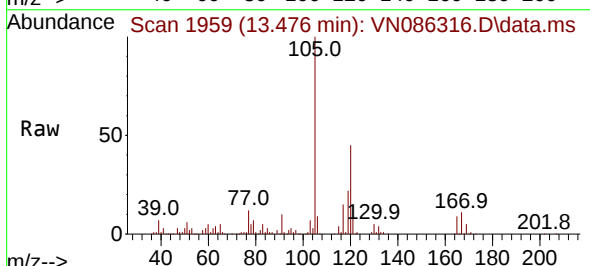
Tgt Ion:119 Resp: 18044
Ion Ratio Lower Upper
119 100
91 68.6 34.4 103.3
134 25.9 13.0 39.0

Manual Integrations
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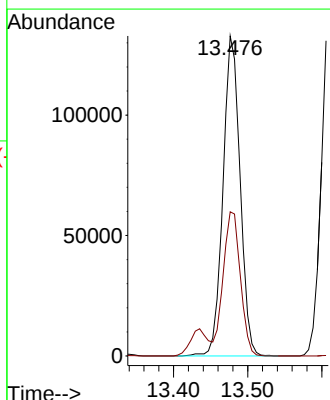
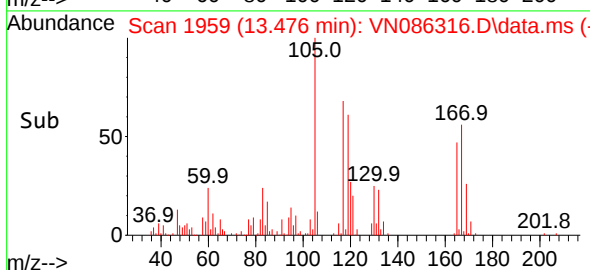
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

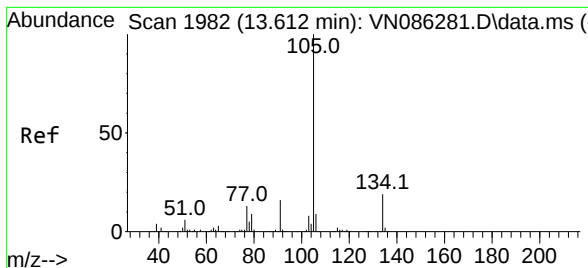


#84
1,2,4-Trimethylbenzene
Concen: 20.334 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion:105 Resp: 212525
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3





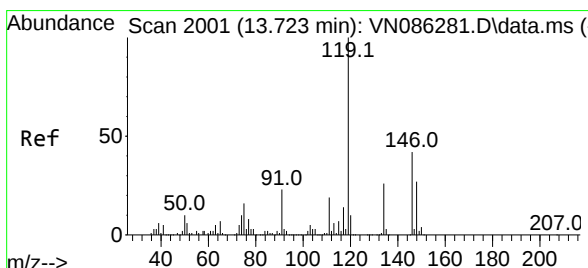
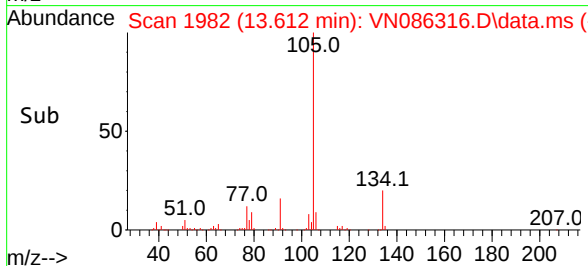
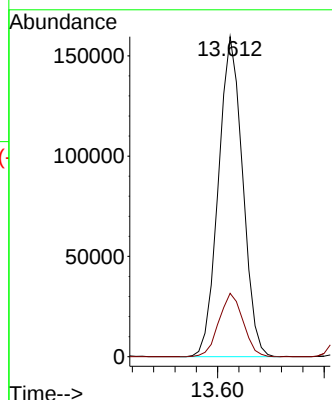
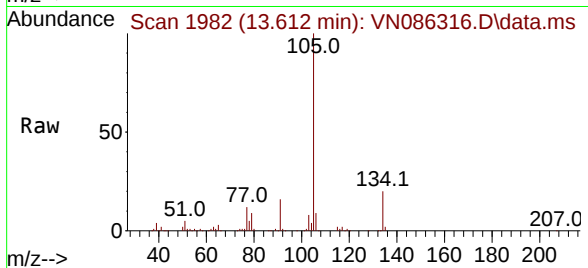
#85
 sec-Butylbenzene
 Concen: 20.430 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01

Tgt Ion:105 Resp: 25211
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1

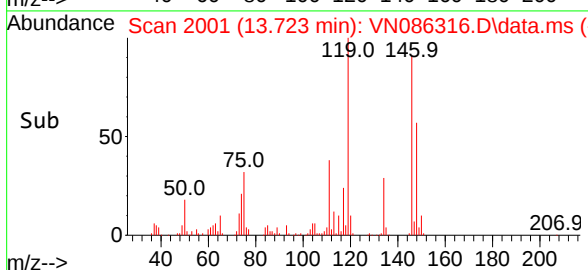
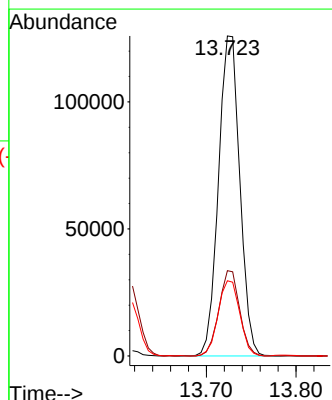
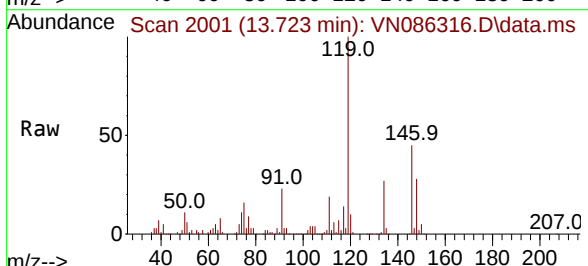
Manual Integrations
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Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#86
 p-Isopropyltoluene
 Concen: 20.446 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

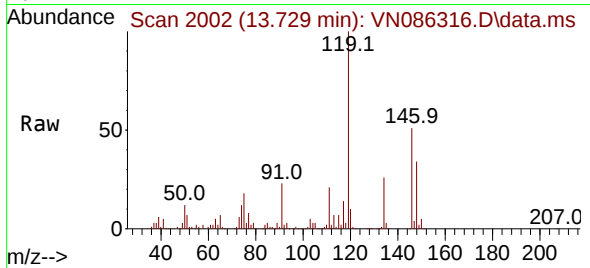
Tgt Ion:119 Resp: 207967
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 23.8 11.9 35.9





#87
 1,3-Dichlorobenzene
 Concen: 20.549 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43

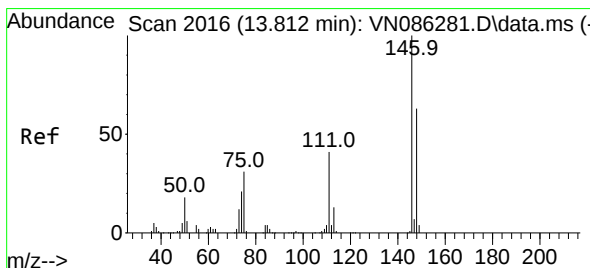
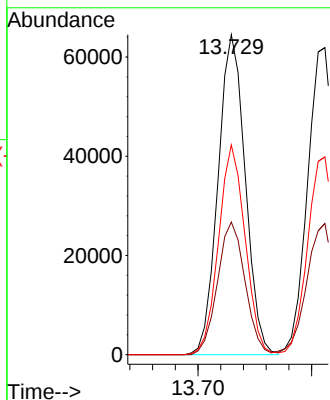
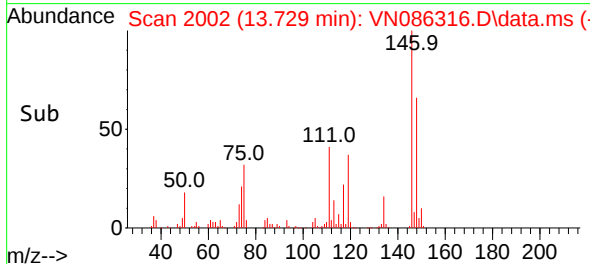
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417MBS01



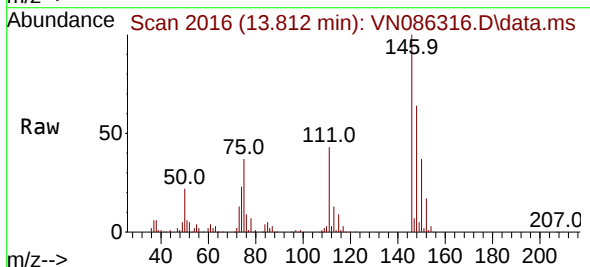
Tgt Ion:146 Resp: 107373
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.9 65.7
 148 64.0 31.9 95.5

Manual Integrations
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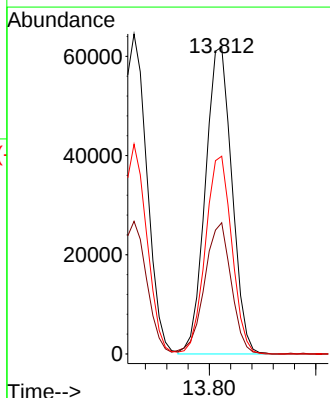
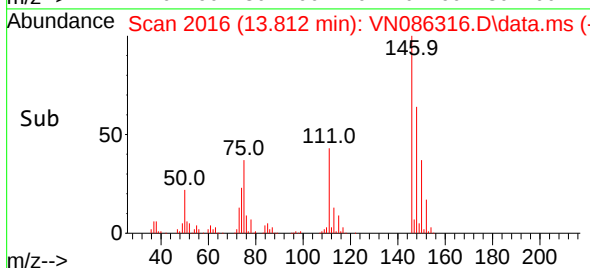
Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#88
 1,4-Dichlorobenzene
 Concen: 20.404 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN086316.D
 Acq: 17 Apr 2025 12:43



Tgt Ion:146 Resp: 107385
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.3 63.9
 148 64.0 31.9 95.9





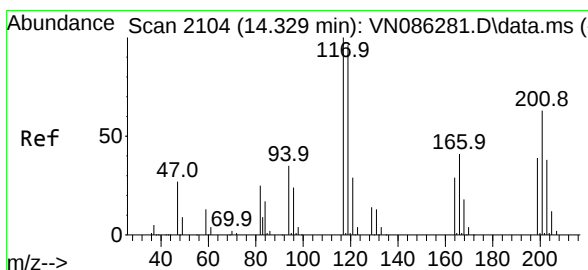
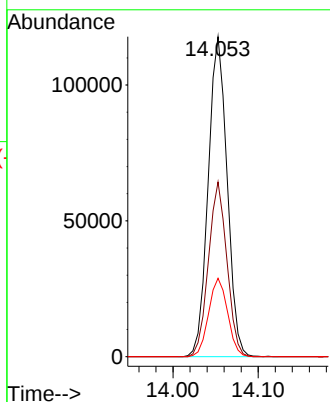
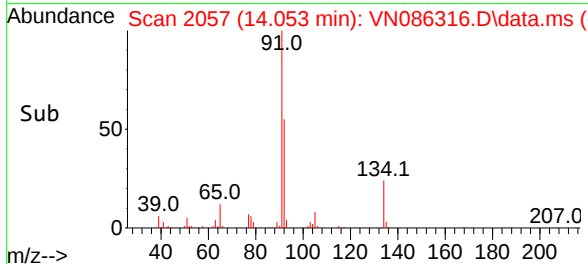
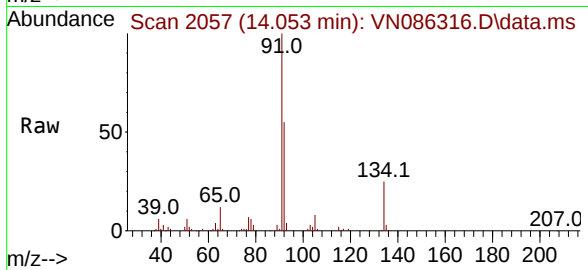
#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion: 91 Resp: 181574
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.4
134 24.6 12.2 36.6

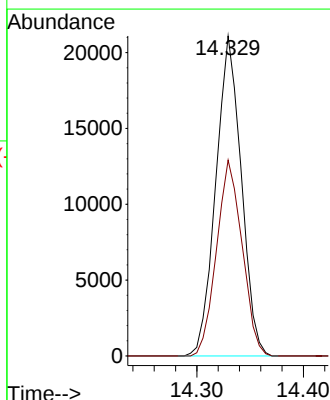
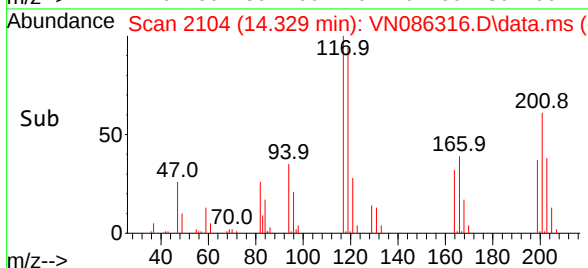
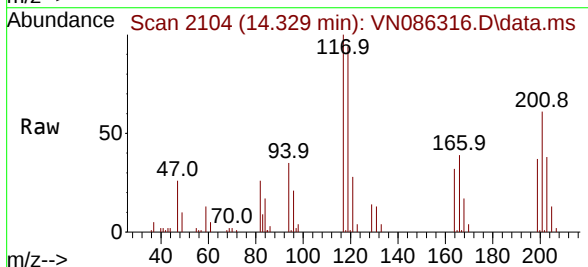
Manual Integrations
APPROVED

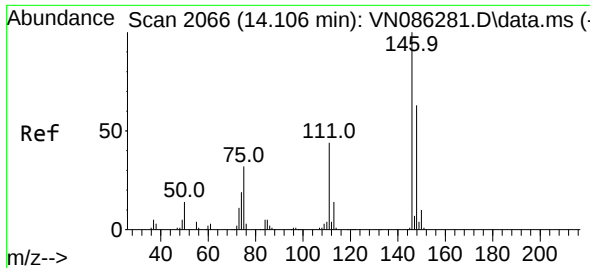
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#90
Hexachloroethane
Concen: 20.426 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Tgt Ion:117 Resp: 34948
Ion Ratio Lower Upper
117 100
201 61.5 31.4 94.2





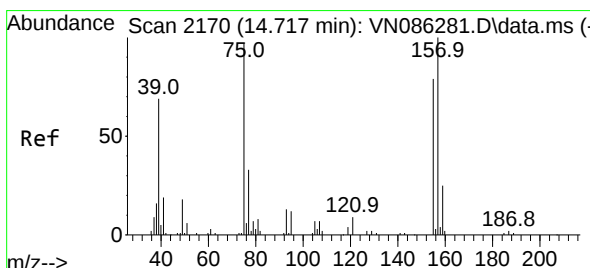
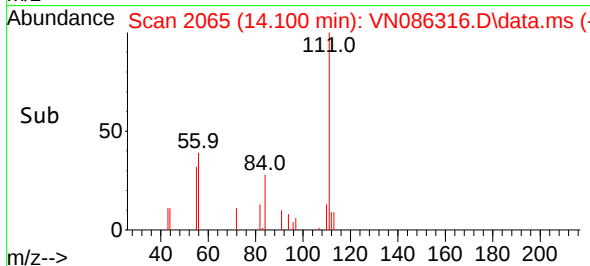
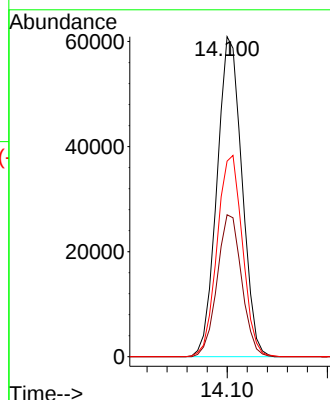
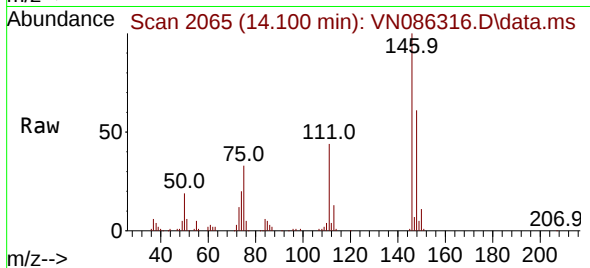
#91
1,2-Dichlorobenzene
Concen: 20.796 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01

Tgt Ion:146 Resp: 105354
Ion Ratio Lower Upper
146 100
111 43.5 22.4 67.0
148 63.9 31.8 95.4

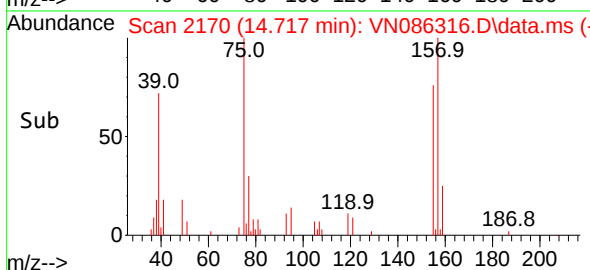
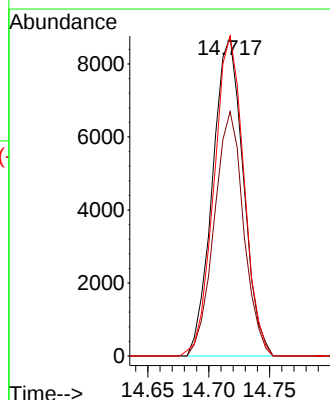
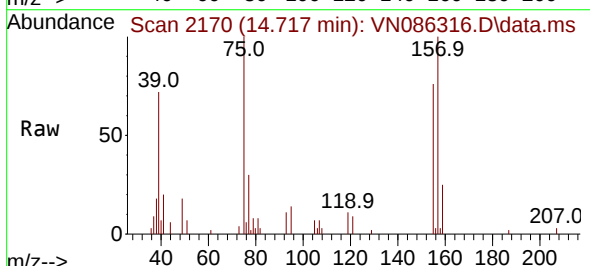
Manual Integrations
APPROVED

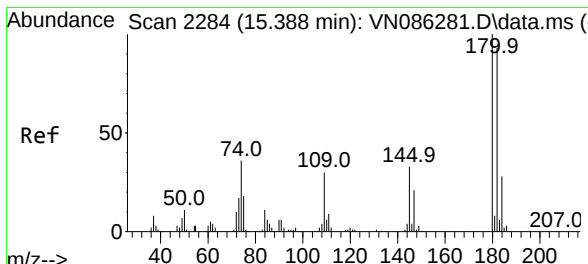
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.060 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

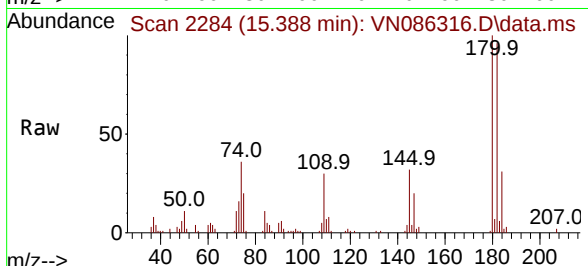
Tgt Ion: 75 Resp: 15317
Ion Ratio Lower Upper
75 100
155 73.4 40.3 120.9
157 97.4 49.0 147.2





#93
1,2,4-Trichlorobenzene
Concen: 20.027 ug/l
RT: 15.388 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

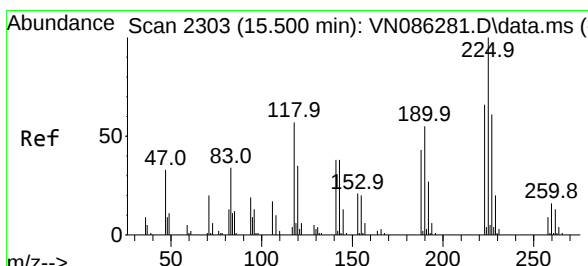
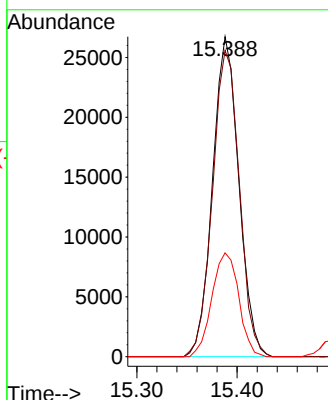
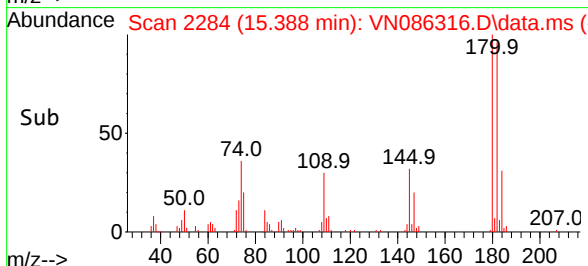
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



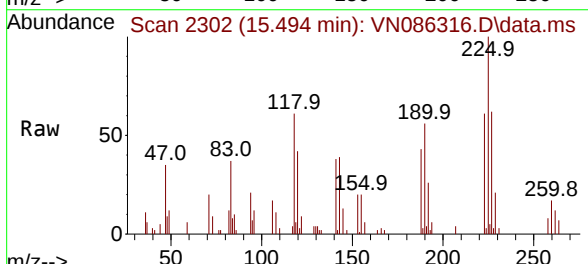
Tgt Ion:180 Resp: 4858
Ion Ratio Lower Upper
180 100
182 97.8 47.0 141.0
145 33.2 16.4 49.1

Manual Integrations
APPROVED

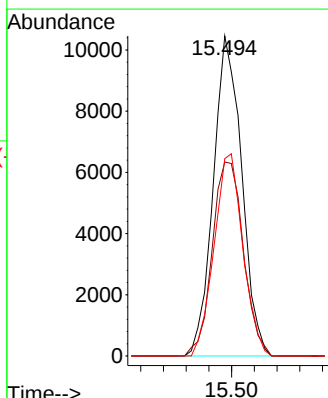
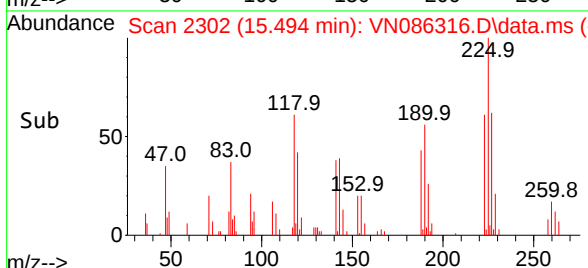
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

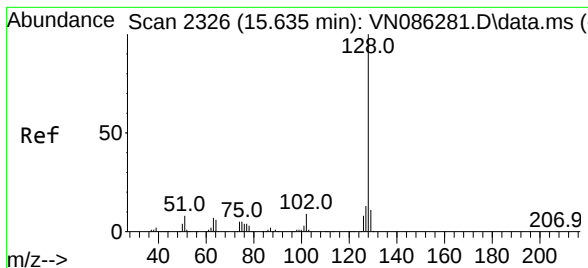


#94
Hexachlorobutadiene
Concen: 19.780 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



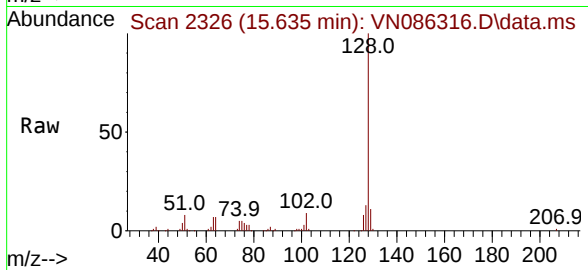
Tgt Ion:225 Resp: 18113
Ion Ratio Lower Upper
225 100
223 66.4 32.8 98.3
227 64.2 31.4 94.0





#95
Naphthalene
Concen: 20.319 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43

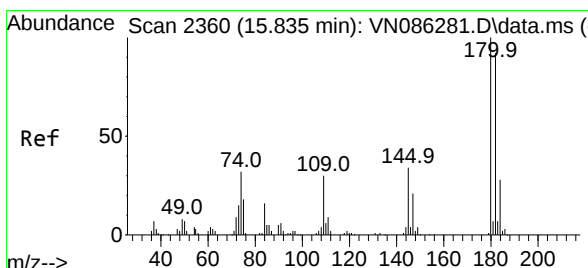
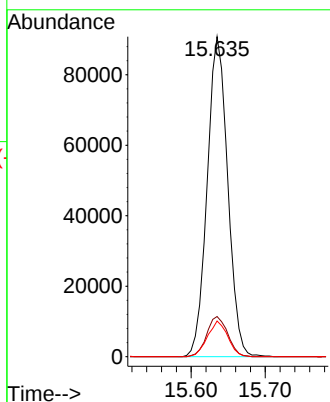
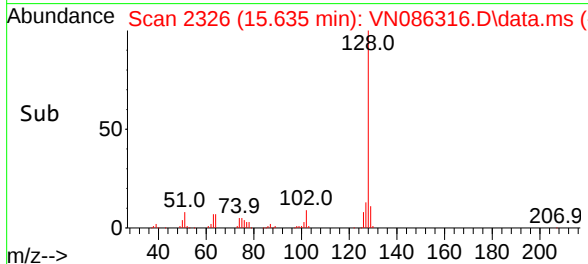
Instrument :
MSVOA_N
ClientSampleId :
VN0417MBS01



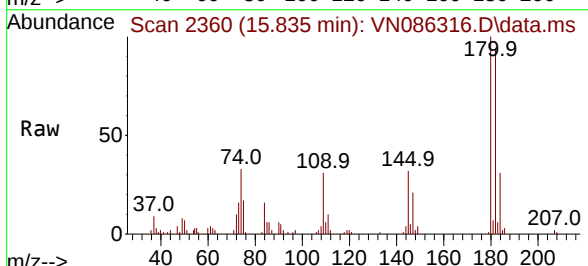
Tgt Ion:128 Resp: 174732
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.181 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086316.D
Acq: 17 Apr 2025 12:43



Tgt Ion:180 Resp: 46350
Ion Ratio Lower Upper
180 100
182 94.5 47.3 142.0
145 34.2 17.2 51.5

