

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102225\
 Data File : VT019155.D
 Acq On : 22 Oct 2025 12:31
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 24 05:11:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 05:09:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Bromochloromethane	7.084	128	16439	30.000	ug/l	# 0.00
28) 1,4-Difluorobenzene	8.582	114	107253	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.755	117	89183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.971	65	44976	31.228	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.100%			
60) 4-Bromofluorobenzene	12.889	95	42267	30.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.533%			
63) Toluene-d8	10.256	98	132111	30.435	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.433%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.878	85	2736	4.857	ug/l	88
3) Chloromethane	2.113	50	5801m	5.431	ug/l	
4) Vinyl Chloride	2.201	62	6463	5.344	ug/l	99
5) Bromomethane	2.530	94	6458	6.097	ug/l	98
6) Chloroethane	2.683	64	5978	5.709	ug/l	99
7) Trichlorofluoromethane	2.982	101	11829	6.302	ug/l	92
8) Diethyl Ether	3.358	74	6248	5.407	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.693	101	4639m	6.295	ug/l	
10) 1,1-Dichloroethene	3.658	96	4287	5.807	ug/l	95
11) Methyl Iodide	3.864	142	2978	4.037	ug/l	# 12
12) Methyl Acetate	4.228	43	11036	3.781	ug/l	96
13) Acrolein	3.541	56	2488	25.271	ug/l	96
14) Acrylonitrile	4.845	53	24562	27.298	ug/l	97
15) Acetone	3.746	58	10803	33.699	ug/l	99
16) Carbon Disulfide	3.964	76	8469	6.143	ug/l	97
17) Allyl chloride	4.222	41	9501	5.414	ug/l	81
18) Methylene Chloride	4.440	84	6540	5.940	ug/l	92
19) trans-1,2-Dichloroethene	6.696	96	6089	5.361	ug/l	93
20) Diisopropyl ether	5.814	45	24788	5.549	ug/l	# 69
21) 1,1-Dichloroethane	5.703	63	12161	5.826	ug/l	# 94
22) cis-1,2-Dichloroethene	6.696	96	6089	5.361	ug/l	91
23) tert-Butyl Alcohol	4.686	59	12038m	30.538	ug/l	
24) Methyl tert-Butyl Ether	4.904	73	24242m	5.459	ug/l	
25) Chloroform	7.277	83	10907m	5.712	ug/l	
26) Cyclohexane	7.571	56	7772	6.345	ug/l	# 99
29) 1,1-Dichloropropene	7.712	75	6475	5.769	ug/l	93
30) 2-Butanone	6.707	43	40371	29.184	ug/l	# 97
31) 2,2-Dichloropropane	6.690	77	8413	5.120	ug/l	# 85
32) 1,1,1-Trichloroethane	7.477	97	7702	5.447	ug/l	# 73
33) Carbon Tetrachloride	7.700	117	4294	4.740	ug/l	# 97
34) Benzene	7.982	78	22621	5.440	ug/l	# 36
35) Methacrylonitrile	7.048	41	5901	5.012	ug/l	99
36) 1,2-Dichloroethane	8.071	62	8231	5.340	ug/l	# 92
37) Trichloroethene	8.858	130	4306	5.629	ug/l	99
38) Methylcyclohexane	9.122	83	7109	6.290	ug/l	96
39) 1,2-Dichloropropane	9.169	63	6063	5.568	ug/l	# 90
40) Dibromomethane	9.269	93	3383	5.038	ug/l	# 76
41) Bromodichloromethane	10.791	83	4465	5.177	ug/l	# 87
42) Vinyl Acetate	5.750	43	91905	27.079	ug/l	98

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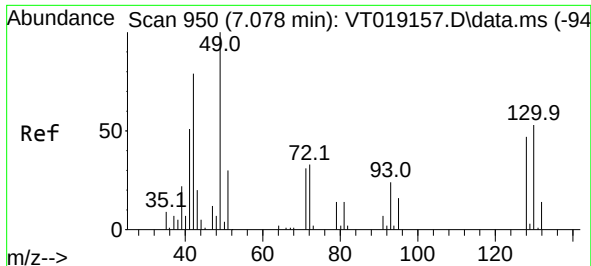
Manual Integrations
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Reviewed By : John Carlone 10/27/2025
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Quant Time: Oct 24 05:11:03 2025
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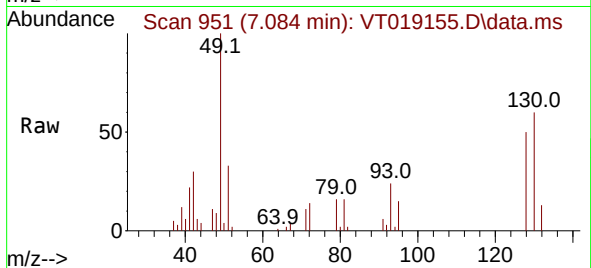
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.801	43	11024	4.848	ug/l #	83
44) Isopropyl Acetate	8.123	43	19235	5.375	ug/l	99
45) 1,4-Dioxane	9.263	88	3195	102.904	ug/l #	76
46) Methyl methacrylate	9.257	41	7980	4.987	ug/l	78
47) n-amyl Acetate	12.501	43	12603	5.233	ug/l	97
48) t-1,3-Dichloropropene	10.585	75	7873	5.031	ug/l	99
49) cis-1,3-Dichloropropene	9.974	75	8535	5.192	ug/l	90
50) 1,1,2-Trichloroethane	10.797	97	5426	5.494	ug/l	94
51) Ethyl methacrylate	10.638	69	9129	4.933	ug/l	91
52) 1,3-Dichloropropane	10.950	76	9343	5.297	ug/l	95
53) Dibromochloromethane	11.179	129	4575	4.963	ug/l #	1
54) 1,2-Dibromoethane	11.302	107	4863	5.294	ug/l	93
55) 2-Chloroethyl vinyl ether	9.810	63	16665	30.873	ug/l	98
56) Bromoform	12.577	173	2490	4.112	ug/l #	17
58) 4-Methyl-2-Pentanone	10.139	43	57249	26.212	ug/l	98
59) 2-Hexanone	10.139	43	57249	26.212	ug/l #	83
61) Tetrachloroethene	10.867	164	3420	6.067	ug/l	94
62) Toluene	10.327	91	22525	5.639	ug/l	100
64) Chlorobenzene	11.790	112	13813	5.661	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.866	131	4110	5.171	ug/l	90
66) Ethyl Benzene	11.872	91	24406	5.622	ug/l	98
67) m/p-Xylenes	11.996	106	18149	11.246	ug/l	96
68) o-Xylene	12.372	106	9321	5.596	ug/l	94
69) Styrene	12.383	104	16131	5.394	ug/l	96
70) Isopropylbenzene	12.712	105	22804	5.581	ug/l	100
71) 1,1,2,2-Tetrachloroethane	13.000	83	8622	5.378	ug/l	97
72) 1,2,3-Trichloropropane	13.059	75	6687m	5.292	ug/l	
73) Bromobenzene	13.035	156	5310	5.526	ug/l	64
74) n-propylbenzene	13.100	91	28614	5.808	ug/l	97
75) 2-Chlorotoluene	13.312	91	16618	5.510	ug/l	99
76) 1,3,5-Trimethylbenzene	13.265	105	18844	5.622	ug/l	95
77) t-1,4-Dichloro-2-butene	12.771	75	2661m	4.628	ug/l	
78) 4-Chlorotoluene	13.200	91	16928	5.690	ug/l	94
79) tert-butylbenzene	13.558	119	17137	5.756	ug/l	95
80) 1,2,4-Trimethylbenzene	13.611	105	19330	5.527	ug/l	97
81) sec-Butylbenzene	13.764	105	25152	5.863	ug/l	99
82) p-Isopropyltoluene	13.893	119	20149	5.646	ug/l	98
83) 1,3-Dichlorobenzene	13.893	146	10350	5.493	ug/l	98
84) 1,4-Dichlorobenzene	13.987	146	10740	5.661	ug/l	96
85) n-Butylbenzene	14.263	91	18687	5.721	ug/l	97
86) Hexachloroethane	14.569	117	2149	4.493	ug/l #	1
87) 1,2-Dichlorobenzene	14.316	146	10279	5.460	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	15.016	75	1885	5.352	ug/l #	86
89) 1,2,4-Trichlorobenzene	15.809	180	6217	5.425	ug/l	98
90) Hexachlorobutadiene	15.926	225	2240	5.895	ug/l	81
91) Naphthalene	16.103	128	23738	5.359	ug/l #	93
92) 1,2,3-Trichlorobenzene	16.332	180	6363m	5.501	ug/l	

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.084 min Scan# 91
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

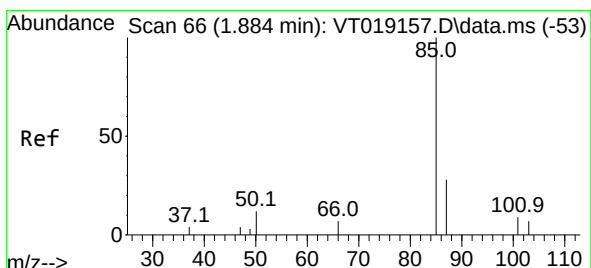
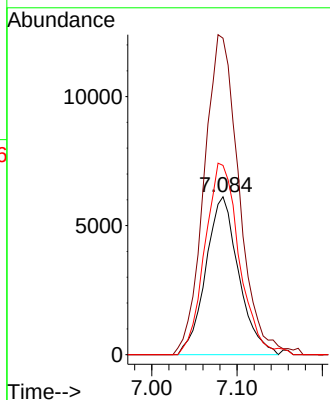
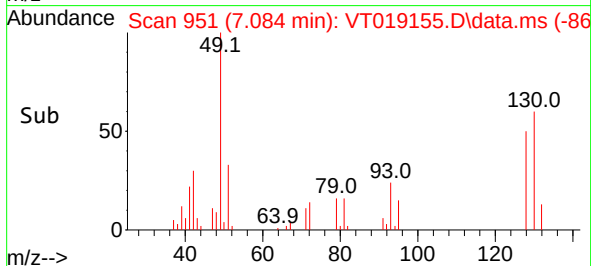
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



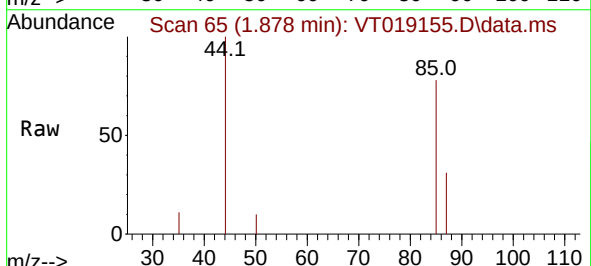
Tgt Ion:128 Resp: 16439
Ion Ratio Lower Upper
128 100
49 214.4 0.0 0.0
130 125.4 0.0 0.0

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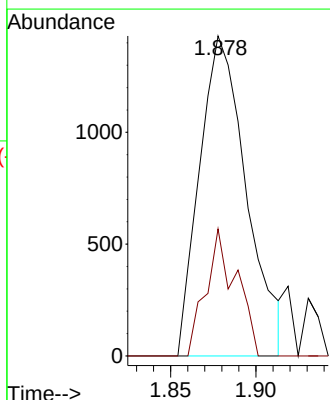
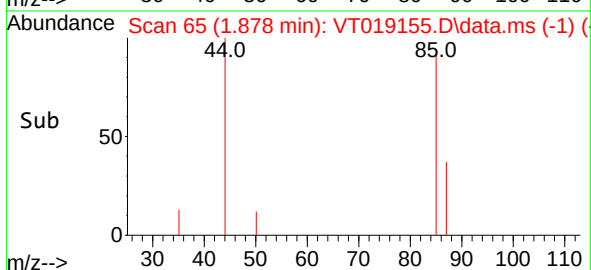
Reviewed By :John Carlone 10/27/2025
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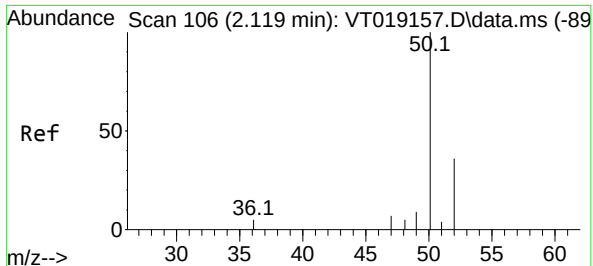


#2
Dichlorodifluoromethane
Concen: 4.857 ug/l
RT: 1.878 min Scan# 65
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



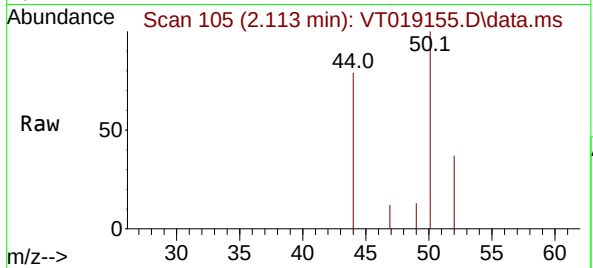
Tgt Ion: 85 Resp: 2736
Ion Ratio Lower Upper
85 100
87 39.7 16.4 49.1





#3
Chloromethane
Concen: 5.431 ug/l m
RT: 2.113 min Scan# 105
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

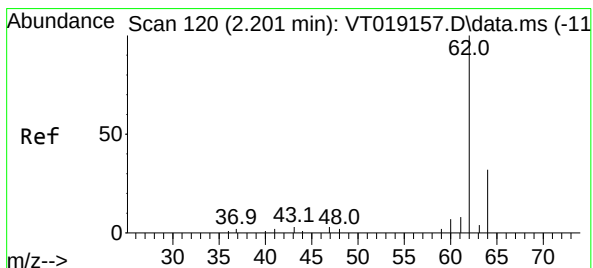
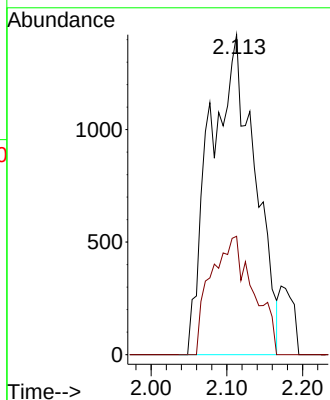
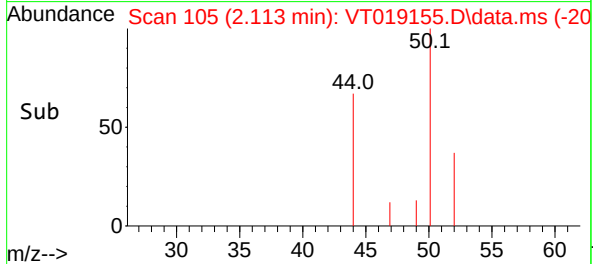
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005



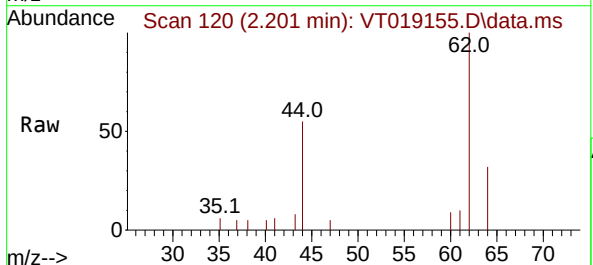
Tgt Ion: 50 Resp: 580
Ion Ratio Lower Upper
50 100
52 37.0 24.4 36.6

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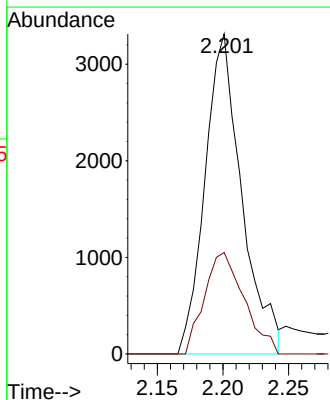
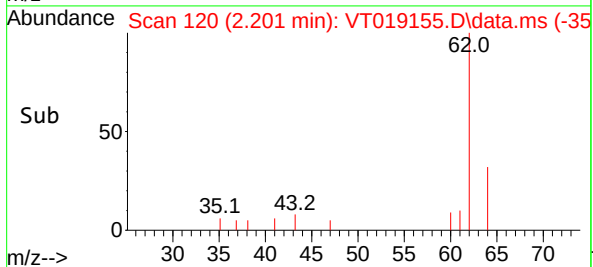
Reviewed By :John Carlone 10/27/2025
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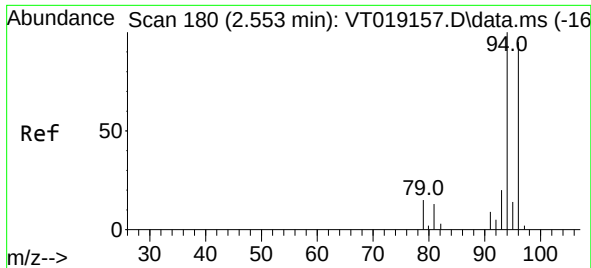


#4
Vinyl Chloride
Concen: 5.344 ug/l
RT: 2.201 min Scan# 120
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



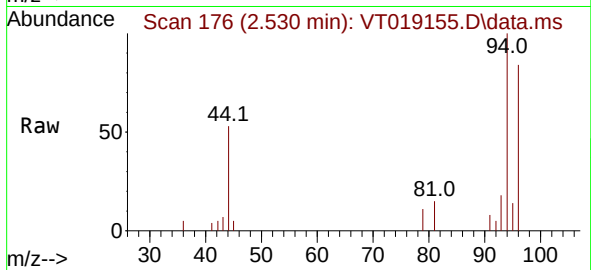
Tgt Ion: 62 Resp: 6463
Ion Ratio Lower Upper
62 100
64 31.7 25.7 38.5





#5
Bromomethane
Concen: 6.097 ug/l
RT: 2.530 min Scan# 11
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

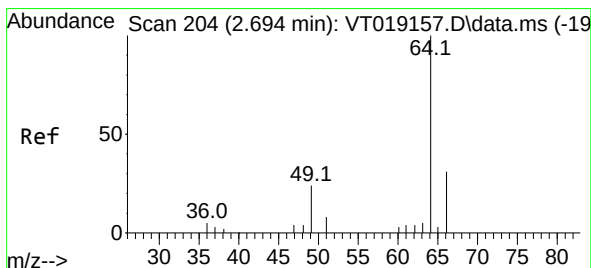
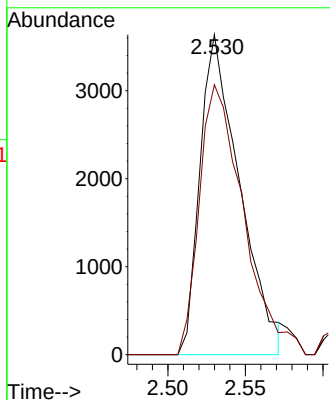
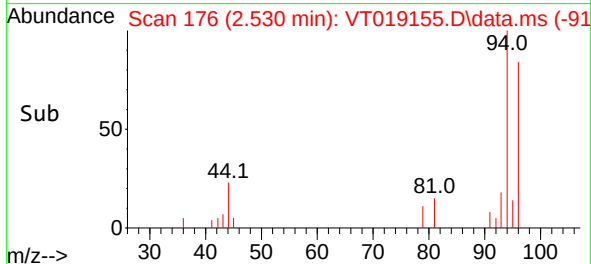
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



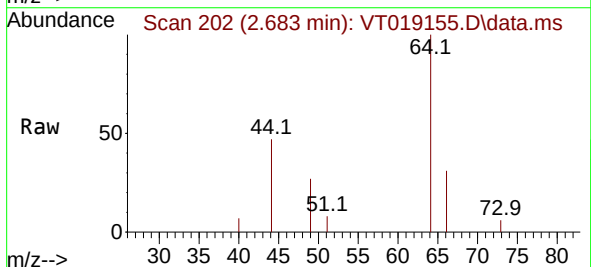
Tgt Ion: 94 Resp: 6458
Ion Ratio Lower Upper
94 100
96 84.4 66.0 99.0

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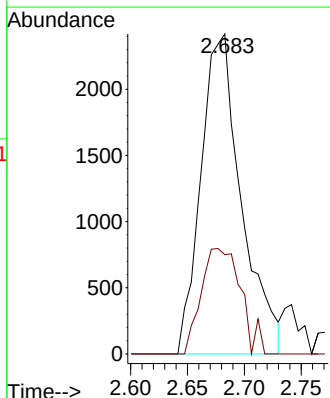
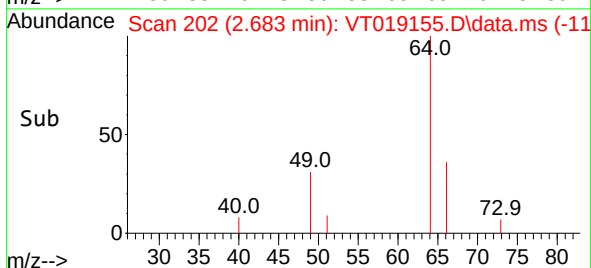
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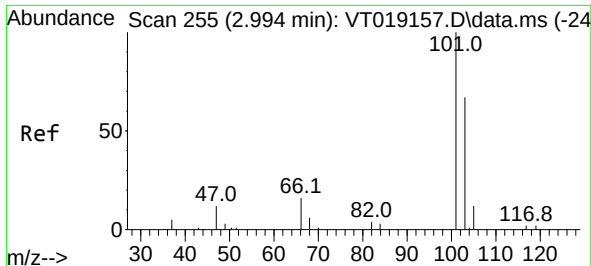


#6
Chloroethane
Concen: 5.709 ug/l
RT: 2.683 min Scan# 202
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



Tgt Ion: 64 Resp: 5978
Ion Ratio Lower Upper
64 100
66 31.1 24.3 36.5





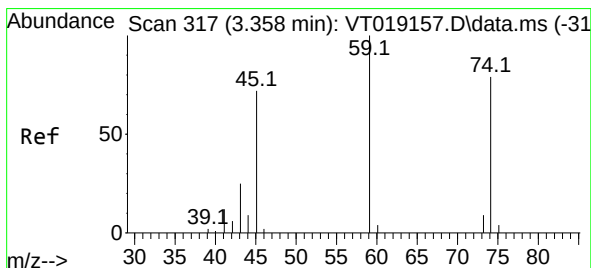
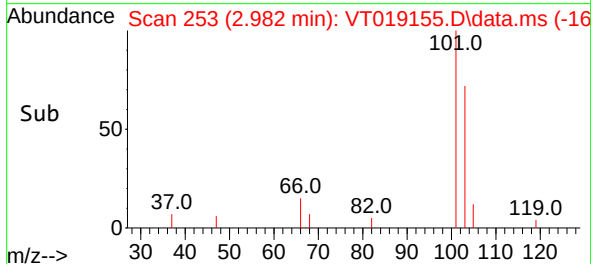
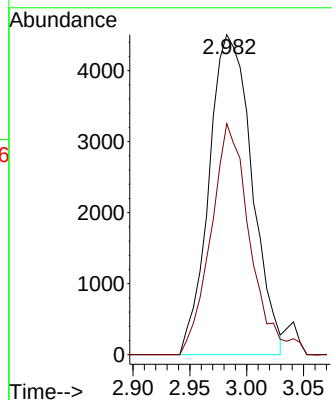
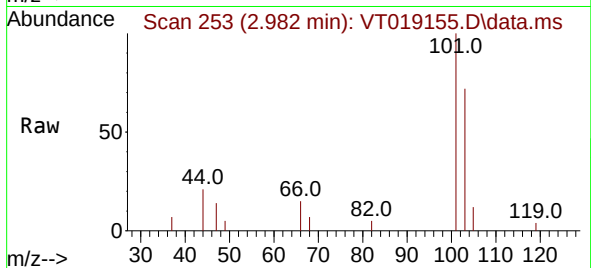
#7
 Trichlorofluoromethane
 Concen: 6.302 ug/l
 RT: 2.982 min Scan# 253
 Delta R.T. 0.000 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

Instrument :
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Tgt Ion:101 Resp: 11829
 Ion Ratio Lower Upper
 101 100
 103 72.2 52.4 78.6

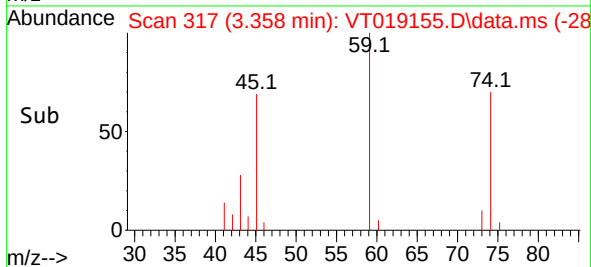
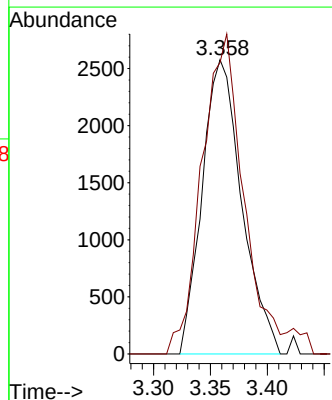
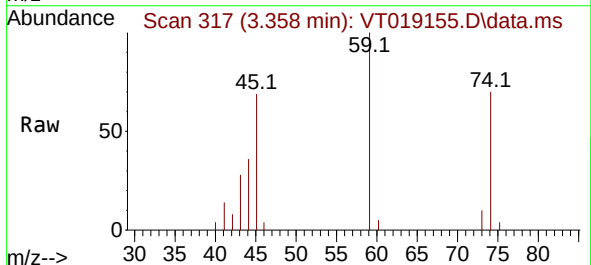
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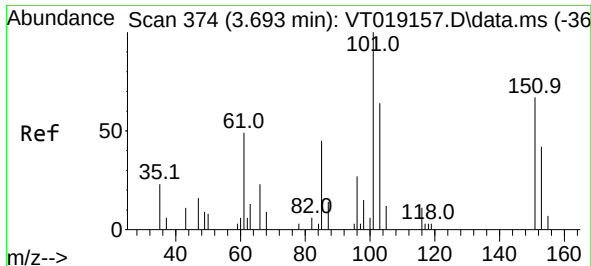
Reviewed By :John Carlone 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#8
 Diethyl Ether
 Concen: 5.407 ug/l
 RT: 3.358 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

Tgt Ion: 74 Resp: 6248
 Ion Ratio Lower Upper
 74 100
 45 113.0 22.0 197.6





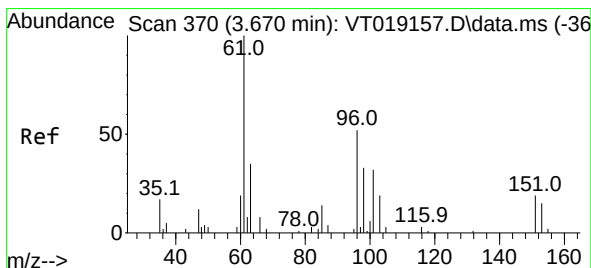
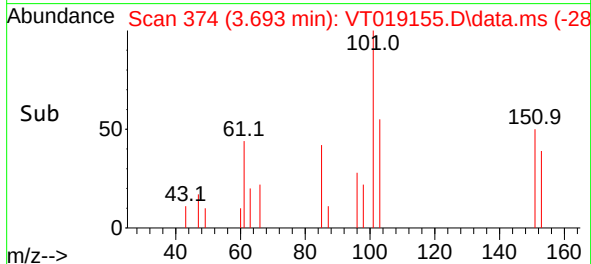
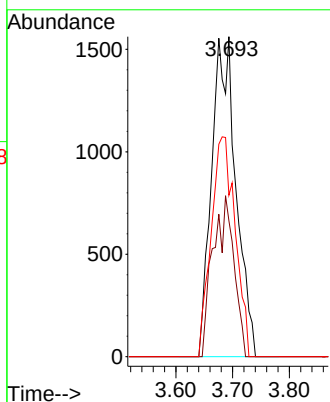
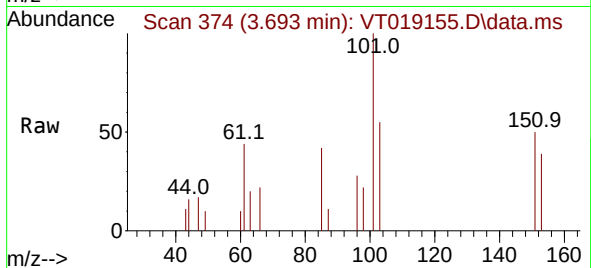
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.295 ug/l m
RT: 3.693 min Scan# 31
Delta R.T. 0.011 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 4639
Ion Ratio Lower Upper
101 100
85 21.3 0.0 91.8
151 67.9 0.0 137.2

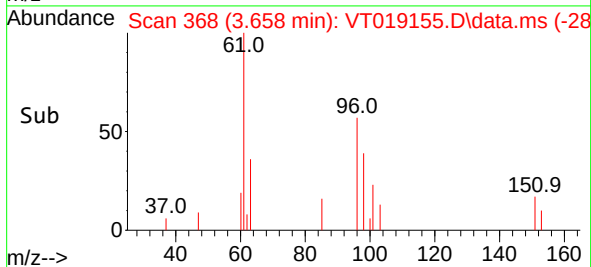
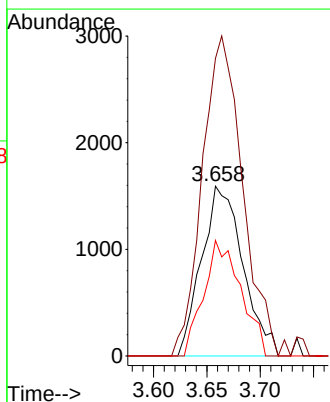
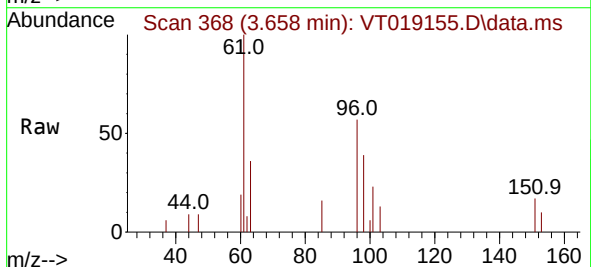
Manual Integrations
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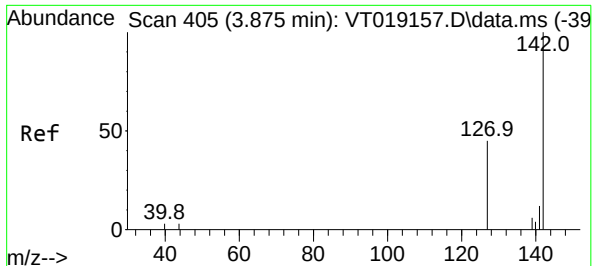
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#10
1,1-Dichloroethene
Concen: 5.807 ug/l
RT: 3.658 min Scan# 368
Delta R.T. -0.012 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

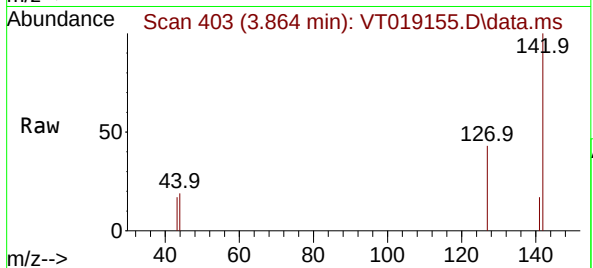
Tgt Ion: 96 Resp: 4287
Ion Ratio Lower Upper
96 100
61 175.3 145.5 218.3
98 68.0 49.5 74.3





#11
Methyl Iodide
Concen: 4.037 ug/l
RT: 3.864 min Scan# 403
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

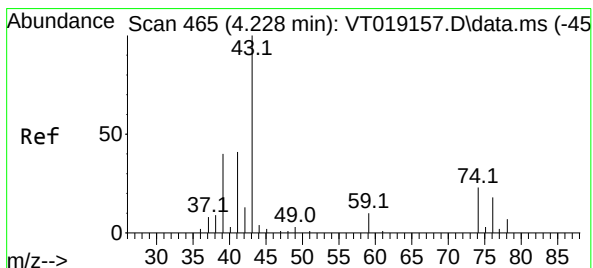
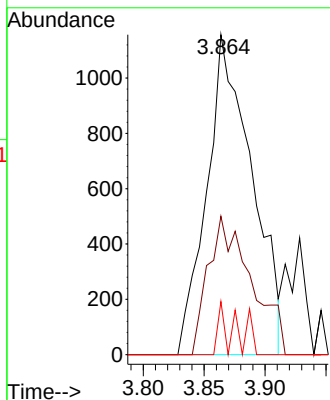
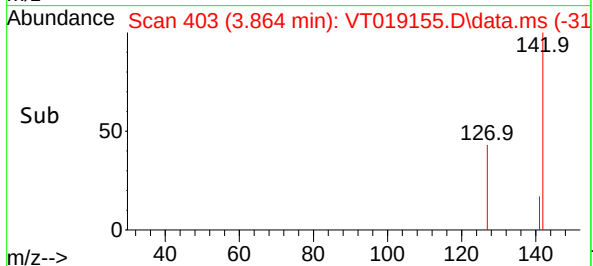
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion:142 Resp: 2978
Ion Ratio Lower Upper
142 100
127 38.8 0.9 2.8
141 18.2 55.5 166.5

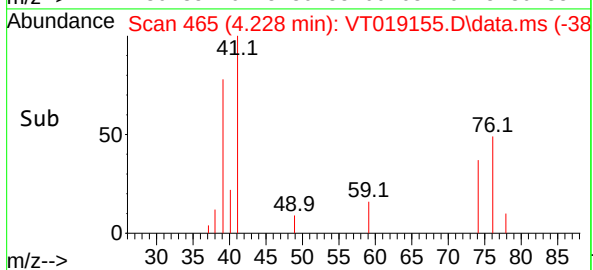
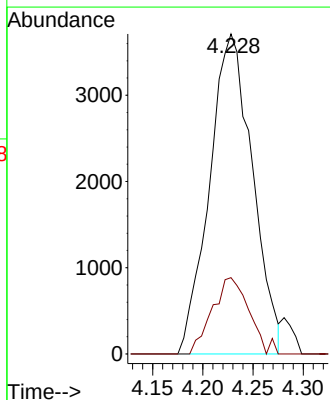
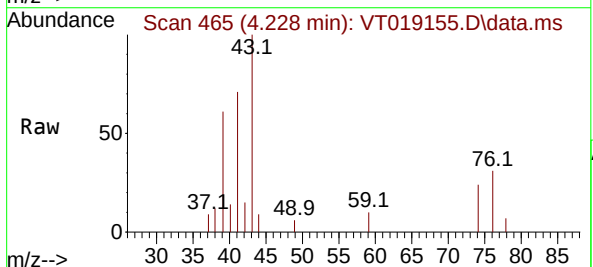
Manual Integrations
APPROVED

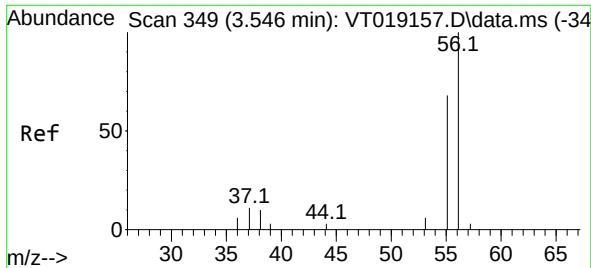
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#12
Methyl Acetate
Concen: 3.781 ug/l
RT: 4.228 min Scan# 465
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

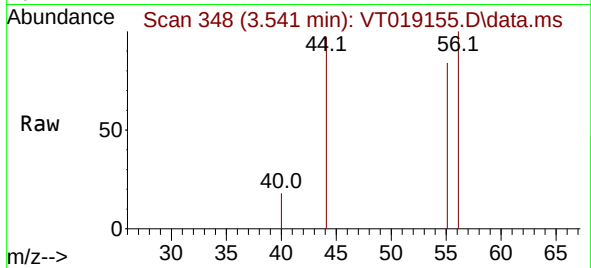
Tgt Ion: 43 Resp: 11036
Ion Ratio Lower Upper
43 100
74 25.0 18.4 27.6





#13
Acrolein
Concen: 25.271 ug/l
RT: 3.541 min Scan# 349
Delta R.T. -0.005 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

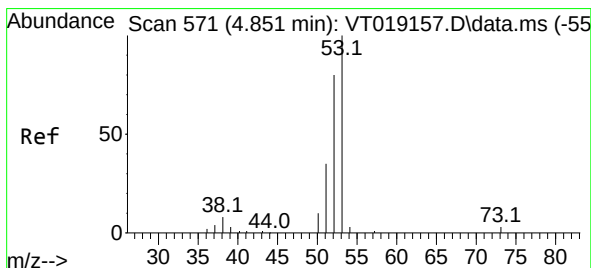
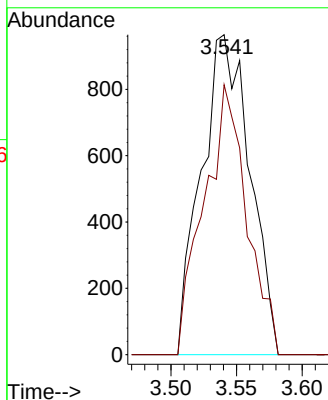
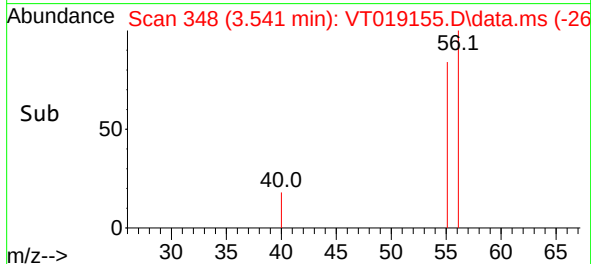
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005



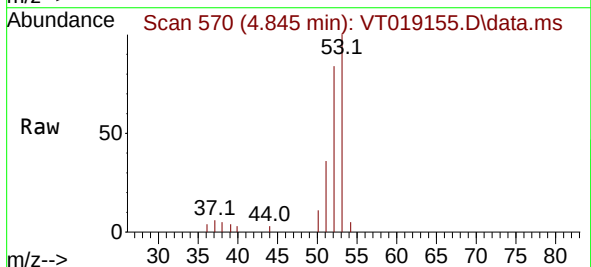
Tgt Ion: 56 Resp: 2488
Ion Ratio Lower Upper
56 100
55 74.1 56.8 85.2

Manual Integrations
APPROVED

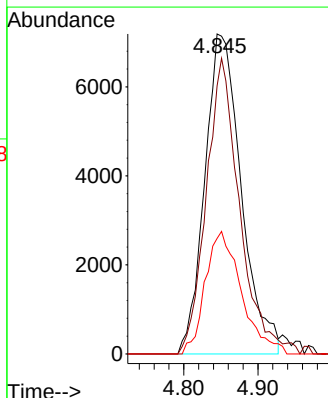
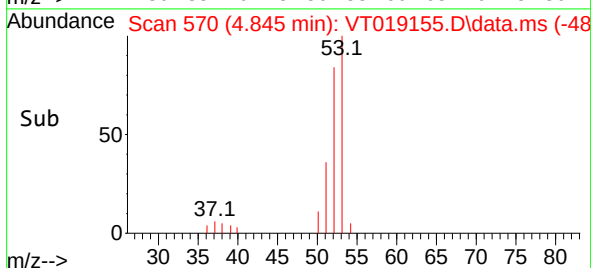
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

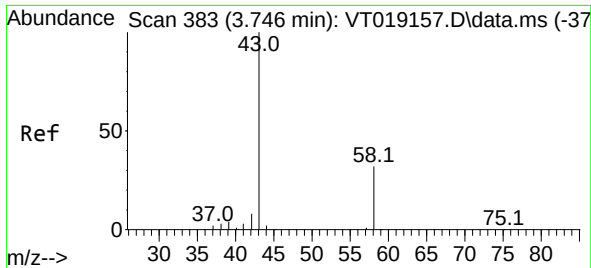


#14
Acrylonitrile
Concen: 27.298 ug/l
RT: 4.845 min Scan# 570
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



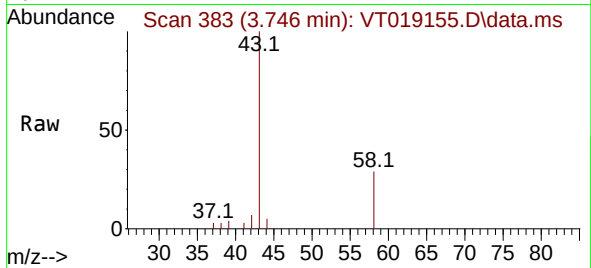
Tgt Ion: 53 Resp: 24562
Ion Ratio Lower Upper
53 100
52 81.4 41.3 123.7
51 37.9 17.2 51.5





#15
Acetone
Concen: 33.699 ug/l
RT: 3.746 min Scan# 30
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

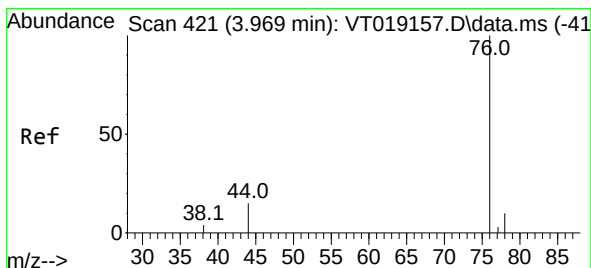
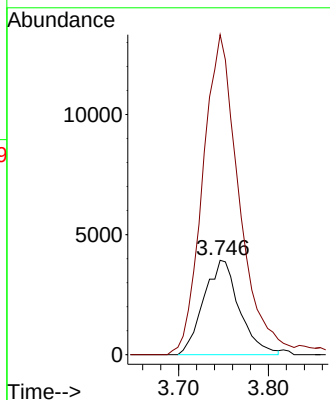
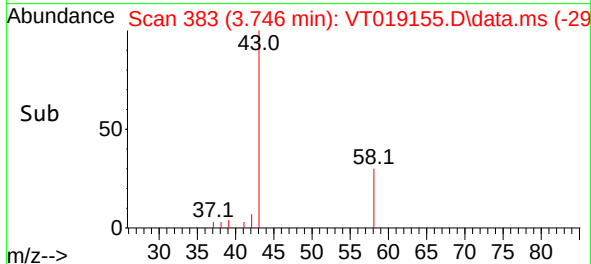
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005



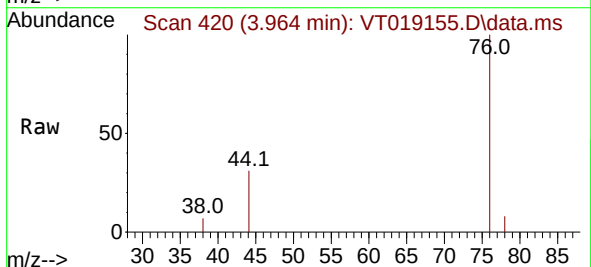
Tgt Ion: 58 Resp: 1080
Ion Ratio Lower Upper
58 100
43 331.4 266.9 400.3

Manual Integrations
APPROVED

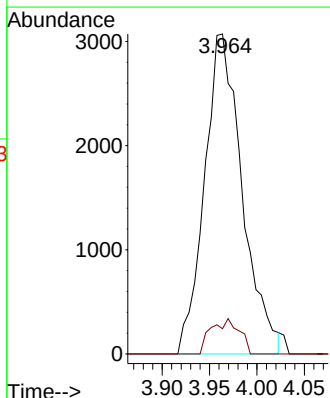
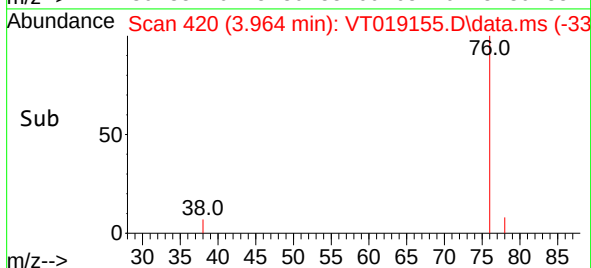
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

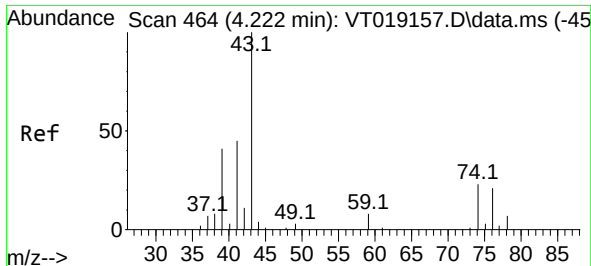


#16
Carbon Disulfide
Concen: 6.143 ug/l
RT: 3.964 min Scan# 420
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



Tgt Ion: 76 Resp: 8469
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7





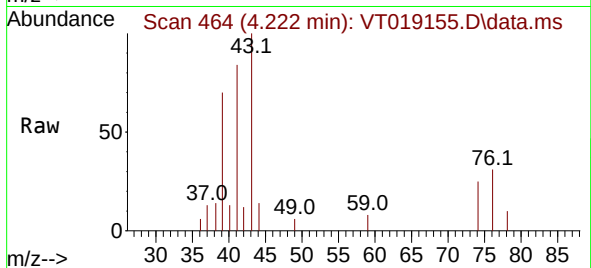
#17
 Allyl chloride
 Concen: 5.414 ug/l
 RT: 4.222 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC005



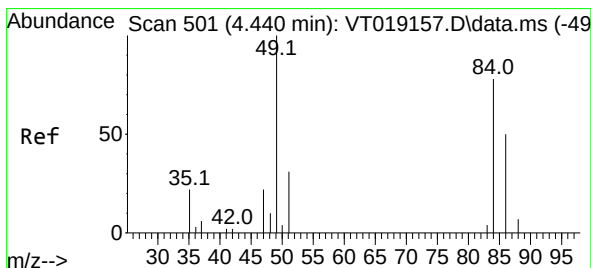
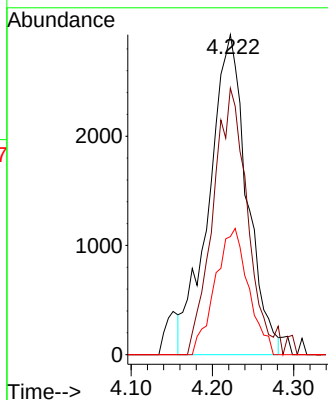
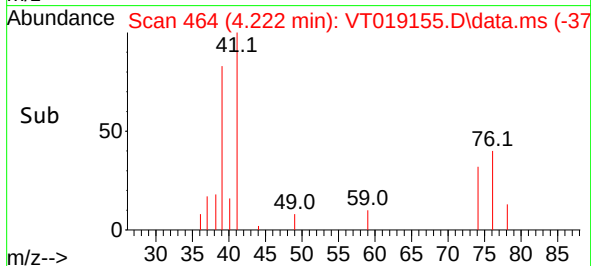
Tgt Ion: 41 Resp: 950
 Ion Ratio Lower Upper
 41 100
 39 88.0 34.3 102.8
 76 39.0 16.7 50.0

Manual Integrations

APPROVED

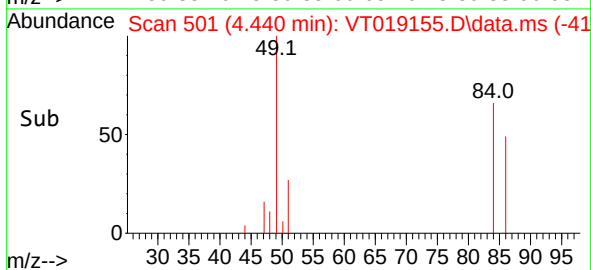
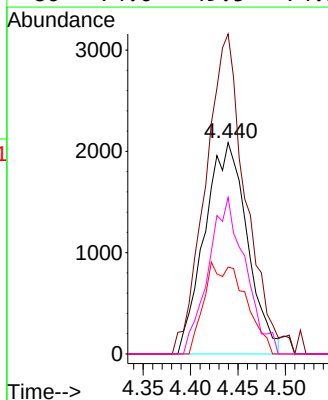
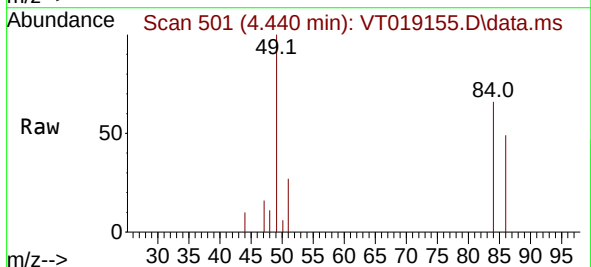
Reviewed By :John Carlone 10/27/2025

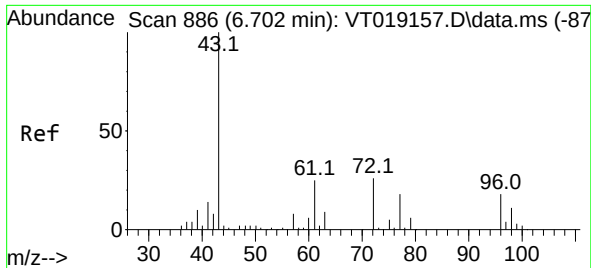
Supervised By :Mahesh Dadoda 10/27/2025



#18
 Methylene Chloride
 Concen: 5.940 ug/l
 RT: 4.440 min Scan# 501
 Delta R.T. 0.012 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

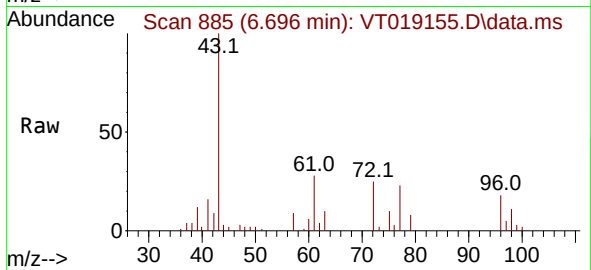
Tgt Ion: 84 Resp: 6540
 Ion Ratio Lower Upper
 84 100
 49 143.6 107.9 161.9
 51 41.1 33.4 50.2
 86 74.0 49.5 74.3





#19
trans-1,2-Dichloroethene
Concen: 5.361 ug/l
RT: 6.696 min Scan# 886
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

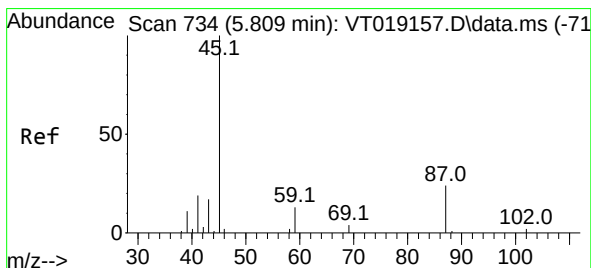
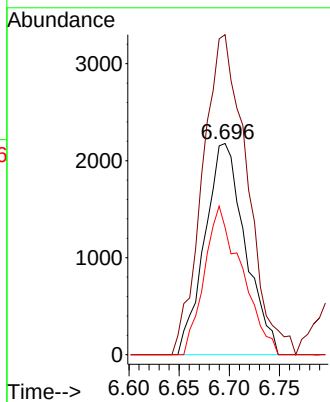
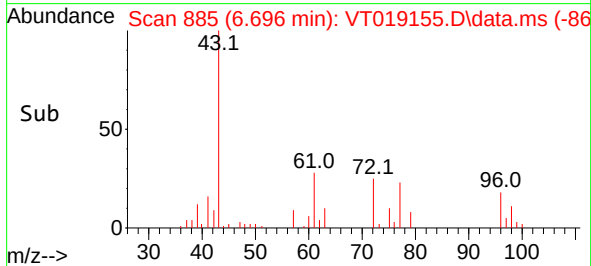
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 6089
Ion Ratio Lower Upper
96 100
61 142.5 122.3 183.5
98 60.2 50.2 75.2

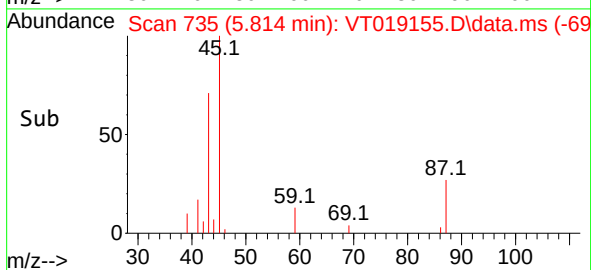
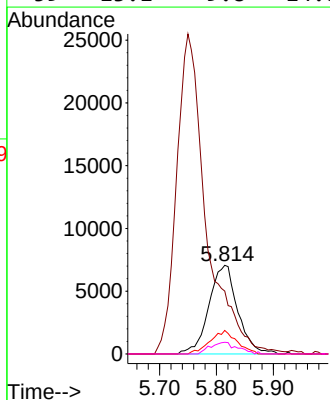
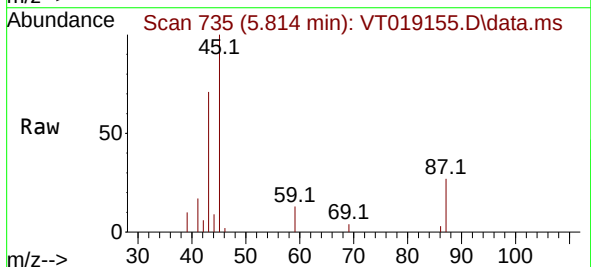
Manual Integrations
APPROVED

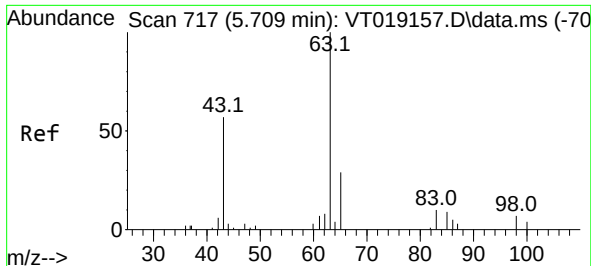
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Diisopropyl ether
Concen: 5.549 ug/l
RT: 5.814 min Scan# 735
Delta R.T. 0.011 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 45 Resp: 24788
Ion Ratio Lower Upper
45 100
43 67.3 89.1 133.7#
87 26.6 21.3 31.9
59 13.1 9.8 14.8





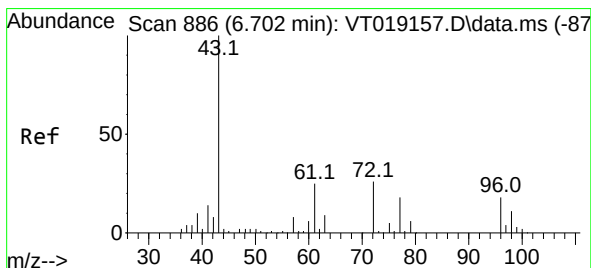
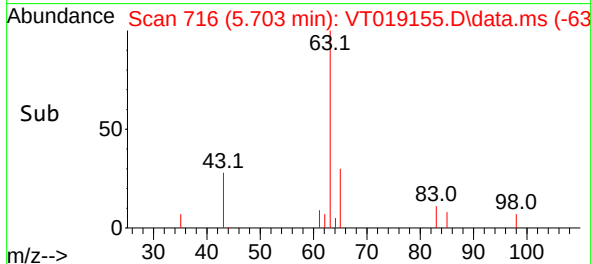
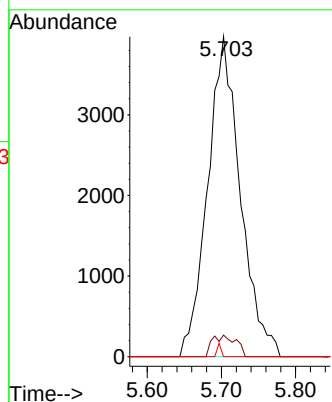
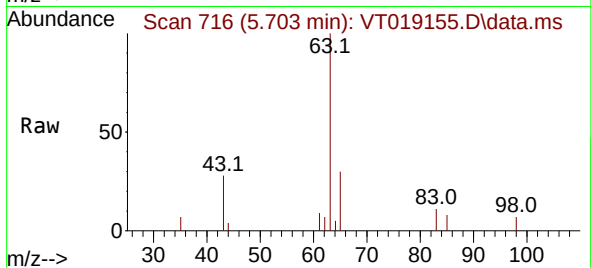
#21
1,1-Dichloroethane
Concen: 5.826 ug/l
RT: 5.703 min Scan# 716
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 1216
Ion Ratio Lower Upper
63 100
98 6.8 3.5 10.5
100 0.0 2.2 6.6

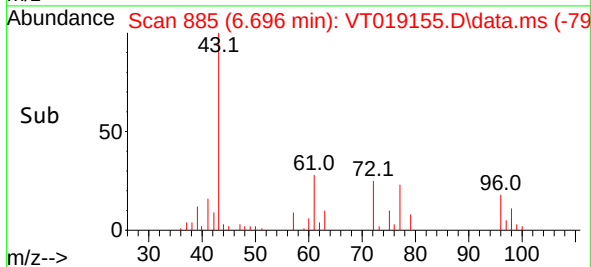
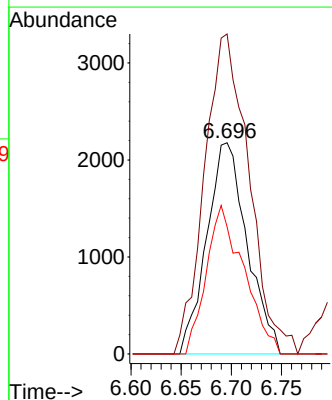
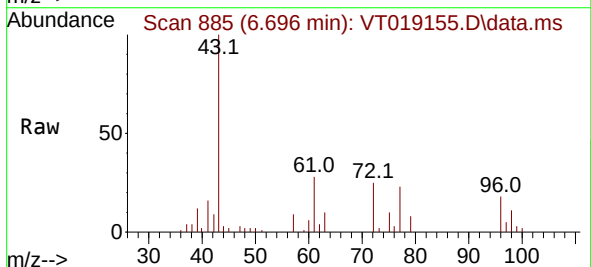
Manual Integrations
APPROVED

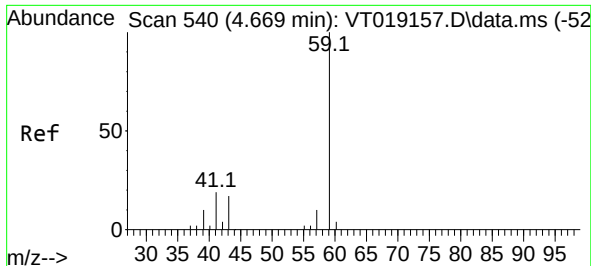
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#22
cis-1,2-Dichloroethene
Concen: 5.361 ug/l
RT: 6.696 min Scan# 885
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 96 Resp: 6089
Ion Ratio Lower Upper
96 100
61 166.5 120.0 180.0
98 65.4 52.8 79.2





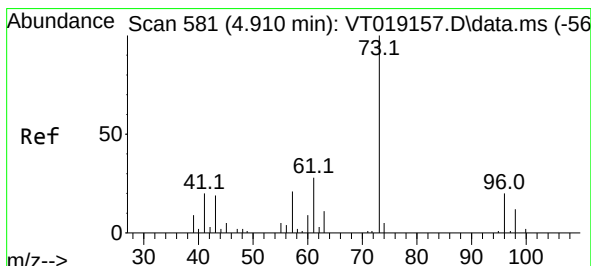
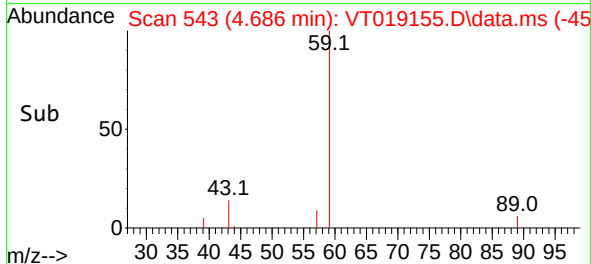
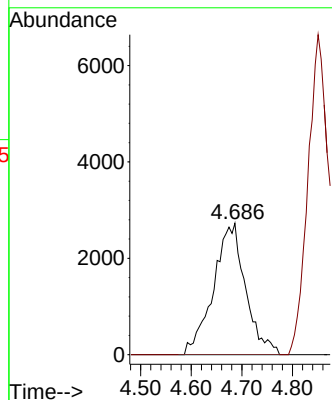
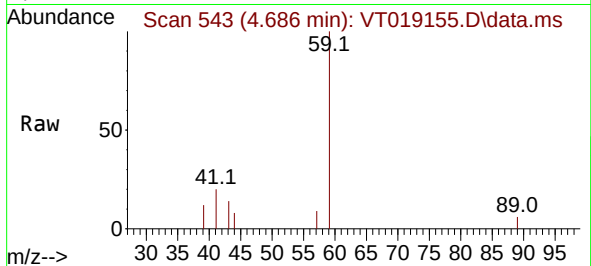
#23
tert-Butyl Alcohol
Concen: 30.538 ug/l m
RT: 4.686 min Scan# 540
Delta R.T. 0.011 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 12038
Ion Ratio Lower Upper
59 100
52 166.1 0.2 0.2

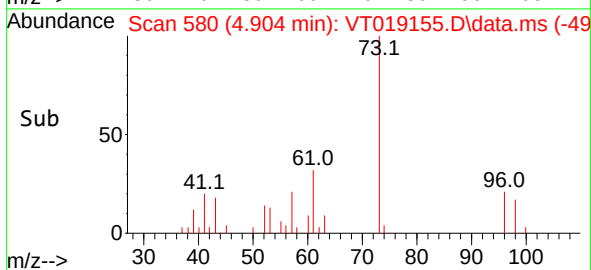
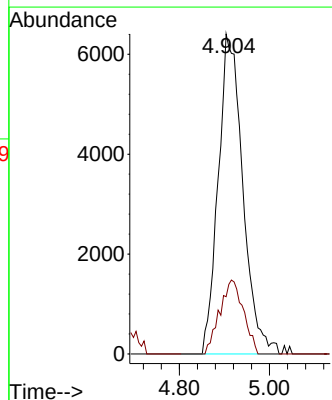
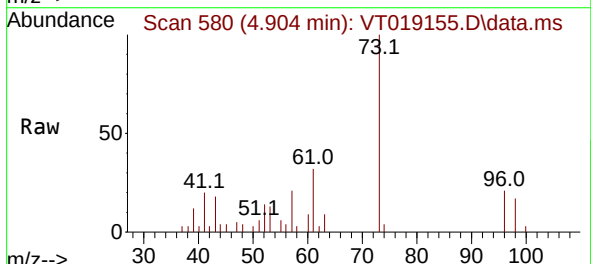
Manual Integrations
APPROVED

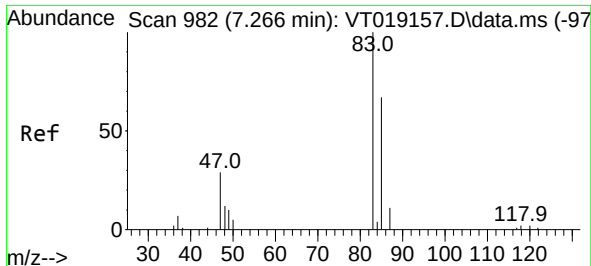
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#24
Methyl tert-Butyl Ether
Concen: 5.459 ug/l m
RT: 4.904 min Scan# 580
Delta R.T. -0.017 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 73 Resp: 24242
Ion Ratio Lower Upper
73 100
43 22.2 16.9 25.3





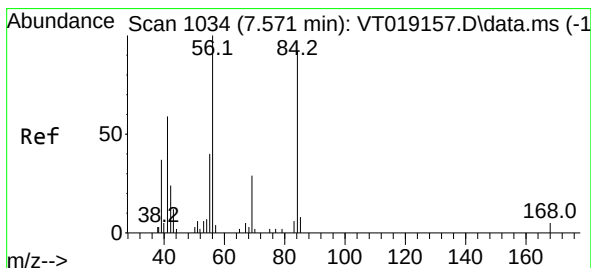
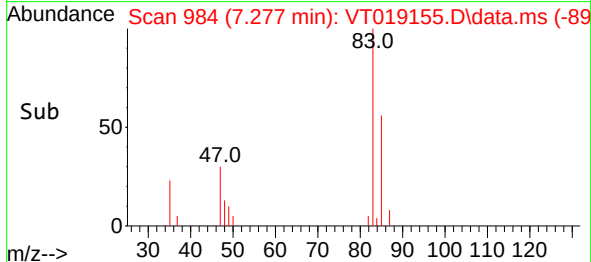
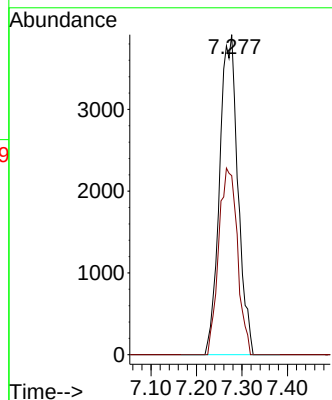
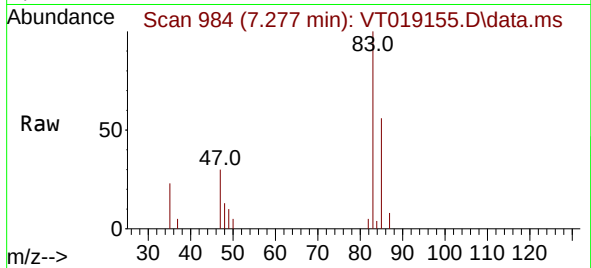
#25
Chloroform
Concen: 5.712 ug/l m
RT: 7.277 min Scan# 984
Delta R.T. 0.011 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1090
Ion Ratio Lower Upper
83 100
85 56.0 48.0 72.0

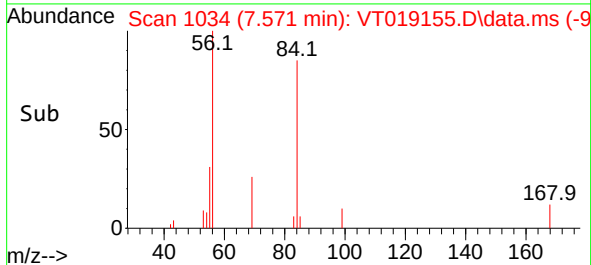
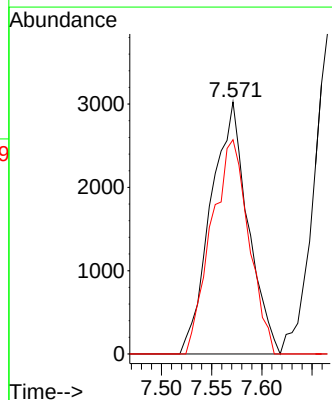
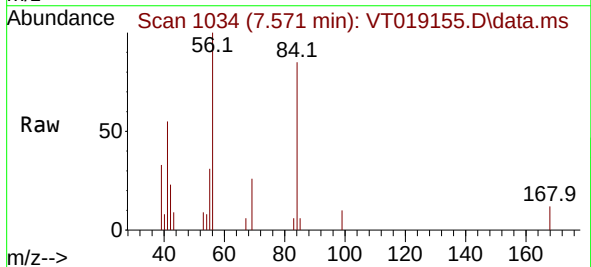
Manual Integrations
APPROVED

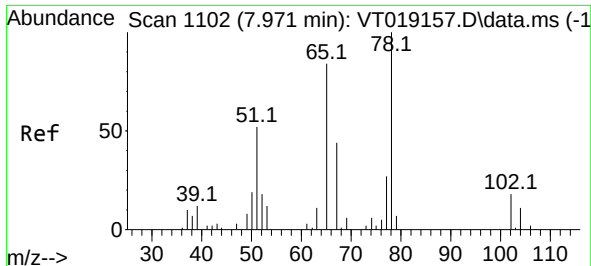
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#26
Cyclohexane
Concen: 6.345 ug/l
RT: 7.571 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 56 Resp: 7772
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.6 67.9 101.9





#27

1,2-Dichloroethane-d4

Concen: 31.228 ug/l

RT: 7.971 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 44970

Ion Ratio Lower Upper

65 100

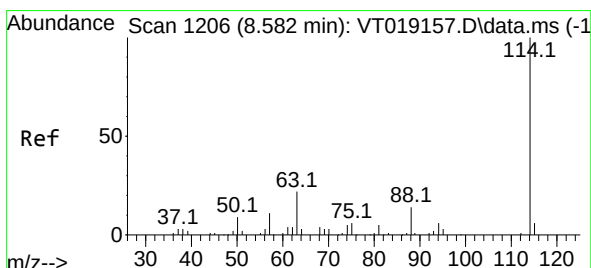
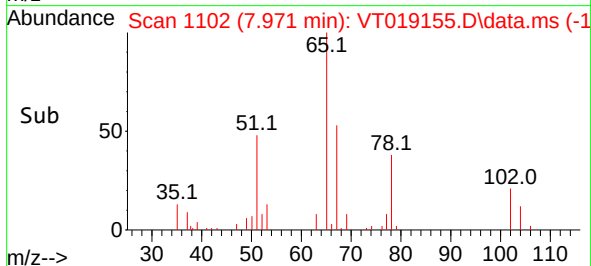
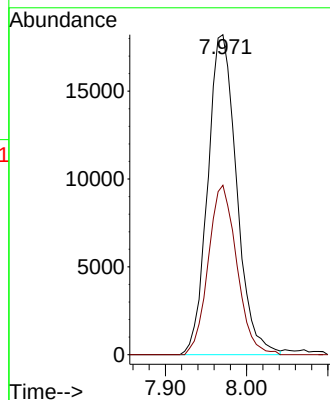
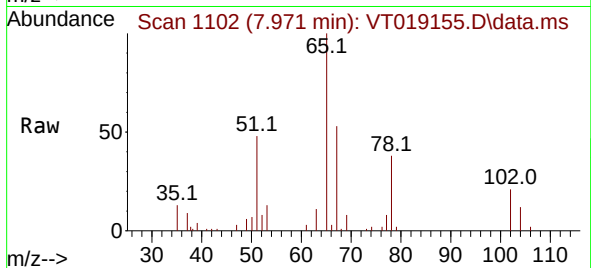
67 52.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.582 min Scan# 1206

Delta R.T. 0.006 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

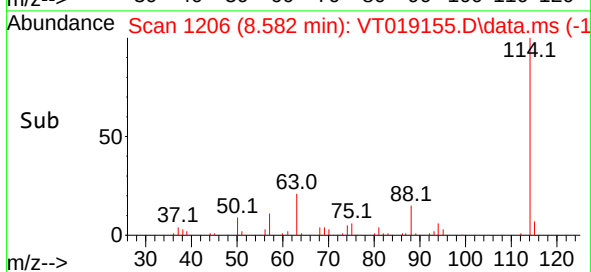
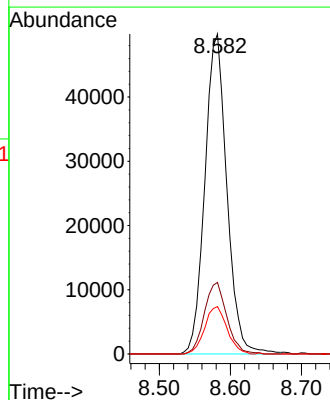
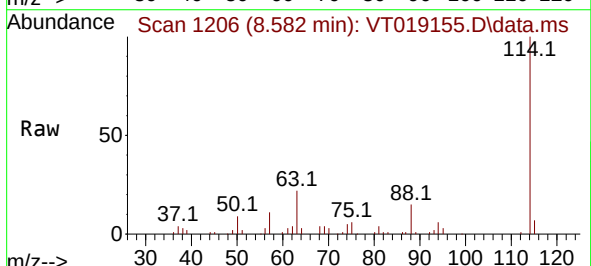
Tgt Ion:114 Resp: 107253

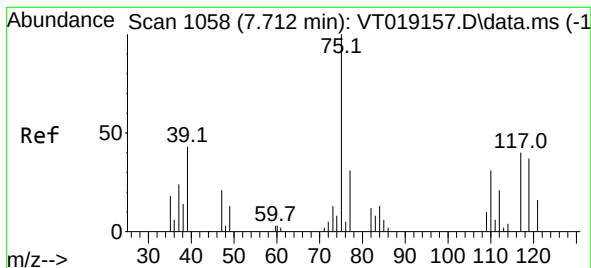
Ion Ratio Lower Upper

114 100

63 22.8 17.4 26.0

88 15.0 13.0 19.6





#29

1,1-Dichloropropene

Concen: 5.769 ug/l

RT: 7.712 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

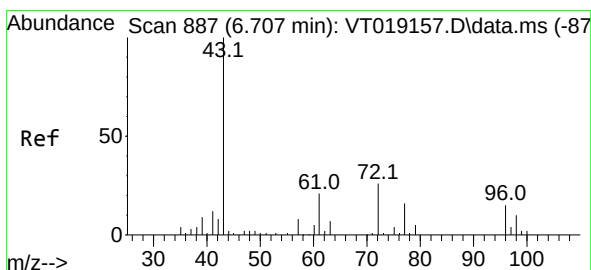
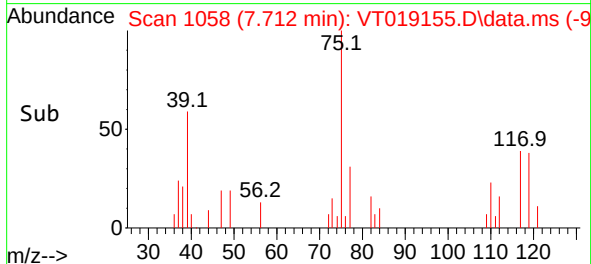
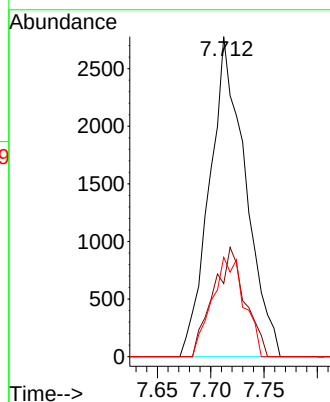
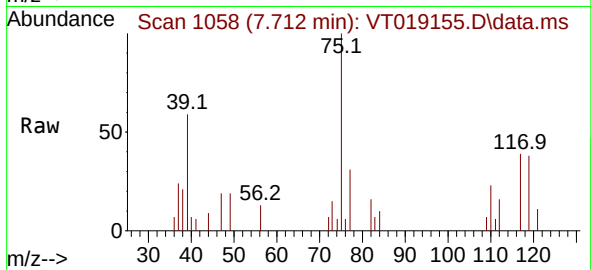
Tgt Ion: 75	Resp: 647
Ion Ratio	Lower Upper
75 100	
110 30.4	0.0 70.8
77 27.9	0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#30

2-Butanone

Concen: 29.184 ug/l

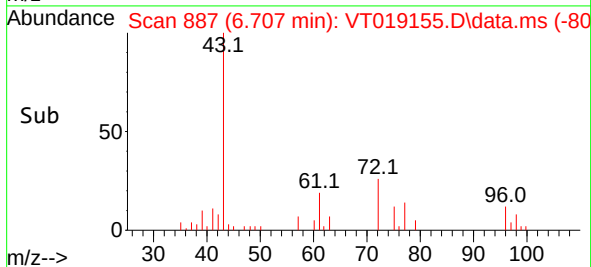
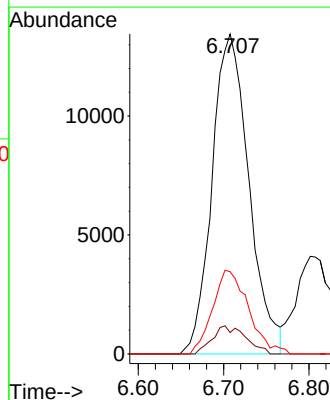
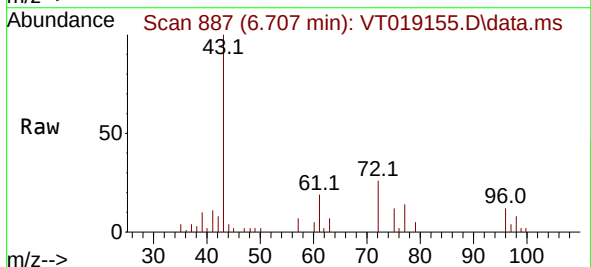
RT: 6.707 min Scan# 887

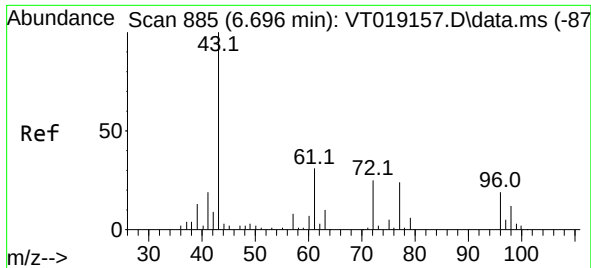
Delta R.T. 0.005 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

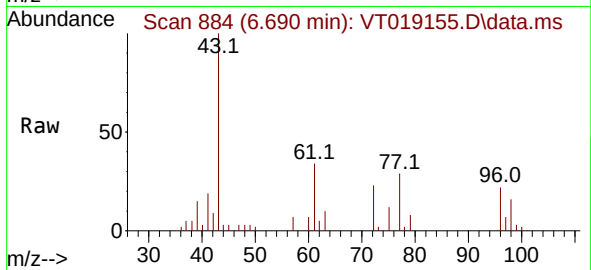
Tgt Ion: 43	Resp: 40371
Ion Ratio	Lower Upper
43 100	
57 4.4	5.9 8.9#
72 24.8	20.2 30.2





#31
2,2-Dichloropropane
Concen: 5.120 ug/l
RT: 6.690 min Scan# 885
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

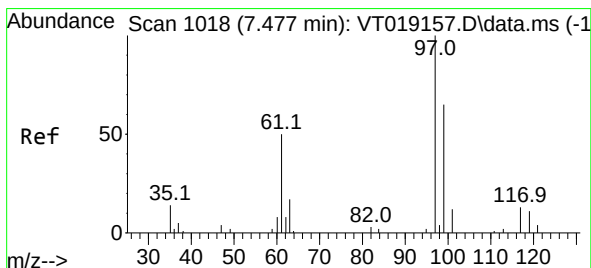
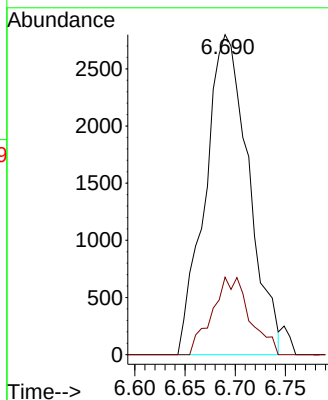
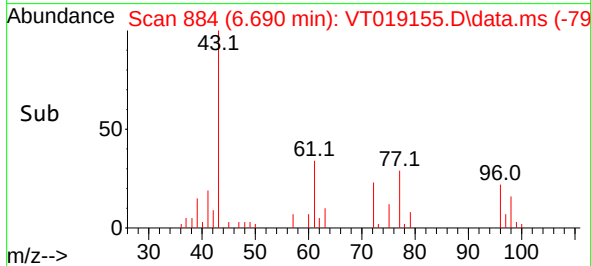
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 77 Resp: 841
Ion Ratio Lower Upper
77 100
97 11.6 14.5 21.7

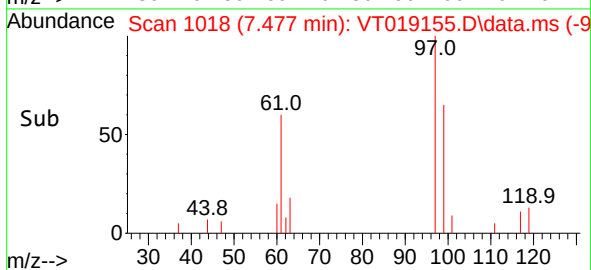
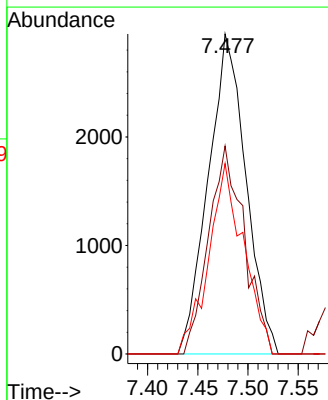
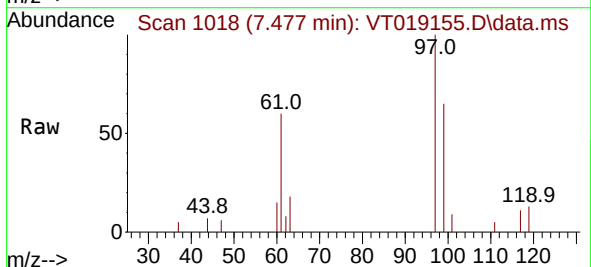
Manual Integrations
APPROVED

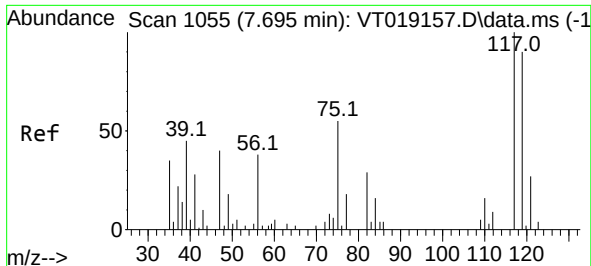
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#32
1,1,1-Trichloroethane
Concen: 5.447 ug/l
RT: 7.477 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

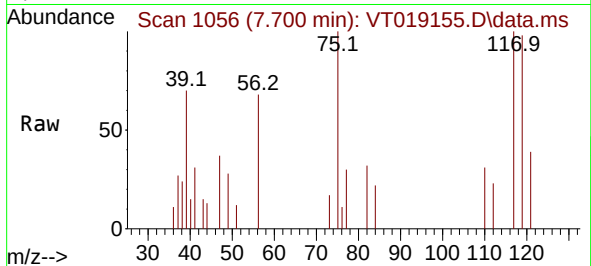
Tgt Ion: 97 Resp: 7702
Ion Ratio Lower Upper
97 100
99 61.6 30.0 45.0#
61 55.1 36.1 54.1#





#33
Carbon Tetrachloride
Concen: 4.740 ug/l
RT: 7.700 min Scan# 1055
Delta R.T. 0.005 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

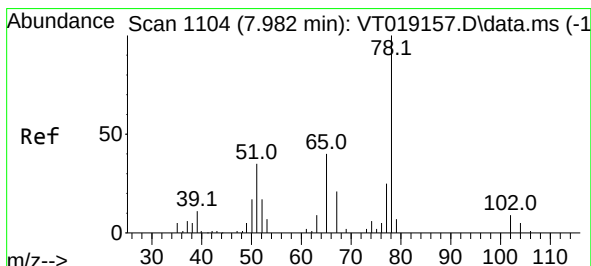
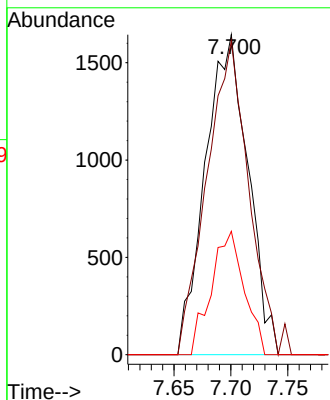
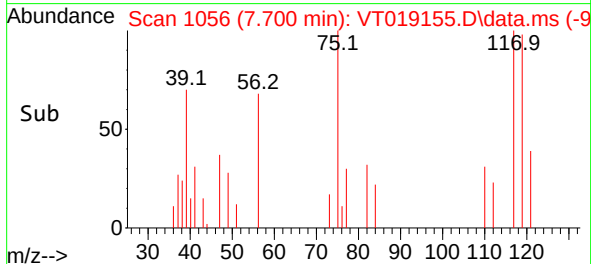
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 4294
Ion Ratio Lower Upper
117 100
119 98.2 76.5 114.7
121 38.6 0.5 0.7

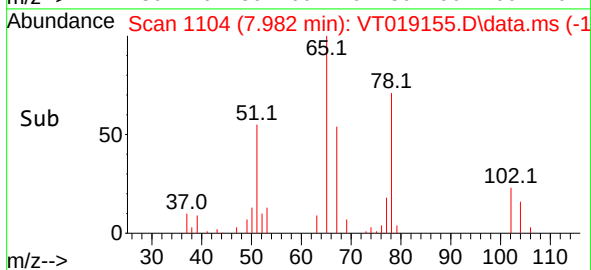
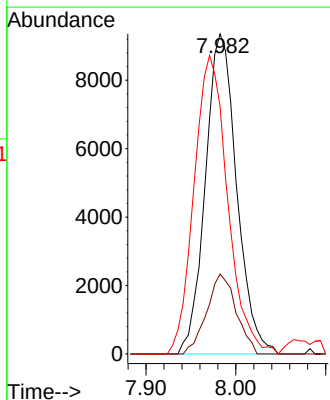
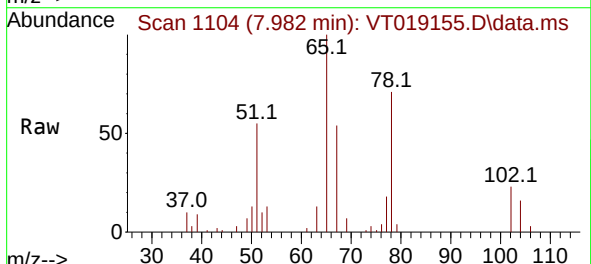
Manual Integrations
APPROVED

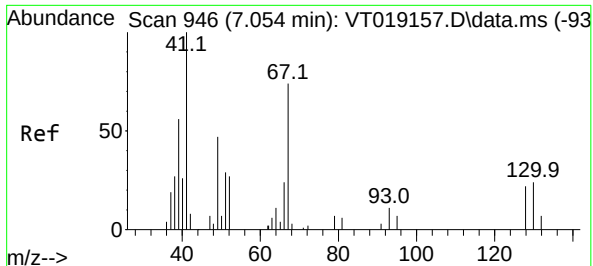
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#34
Benzene
Concen: 5.440 ug/l
RT: 7.982 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 78 Resp: 22621
Ion Ratio Lower Upper
78 100
77 25.0 17.6 26.4
51 77.3 13.8 20.6





#35

Methacrylonitrile

Concen: 5.012 ug/l

RT: 7.048 min Scan# 946

Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 590

Ion Ratio Lower Upper

41 100

39 53.7 26.2 78.5

67 62.4 31.4 94.3

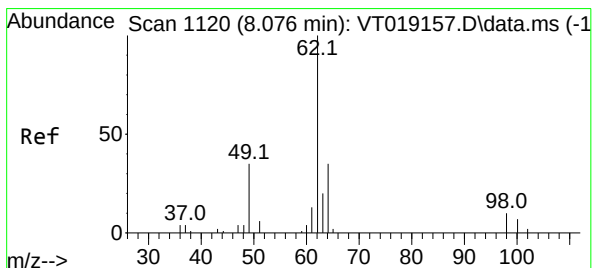
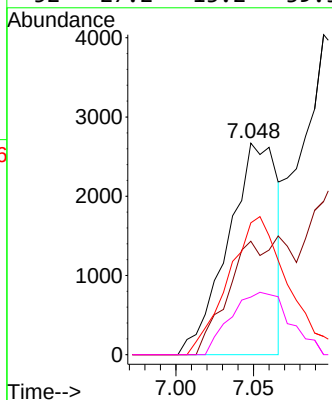
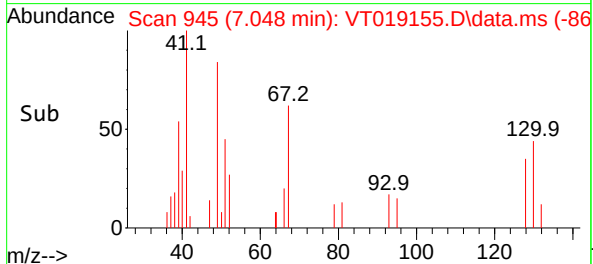
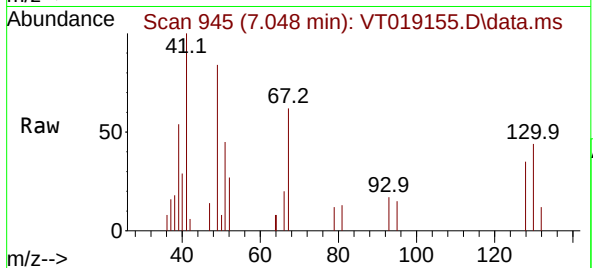
52 27.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#36

1,2-Dichloroethane

Concen: 5.340 ug/l

RT: 8.071 min Scan# 1119

Delta R.T. -0.000 min

Lab File: VT019155.D

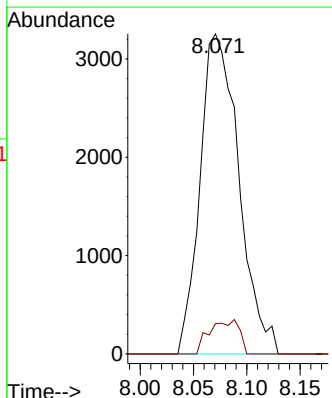
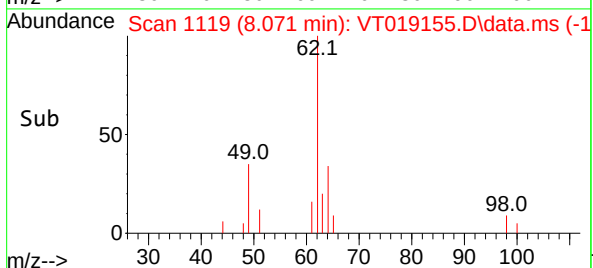
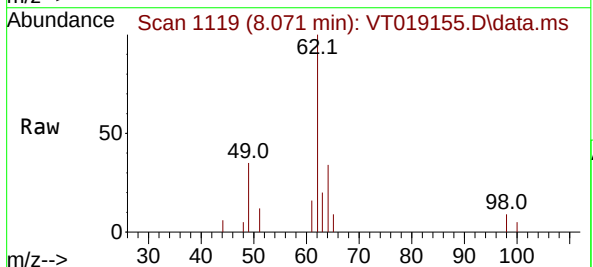
Acq: 22 Oct 2025 12:31

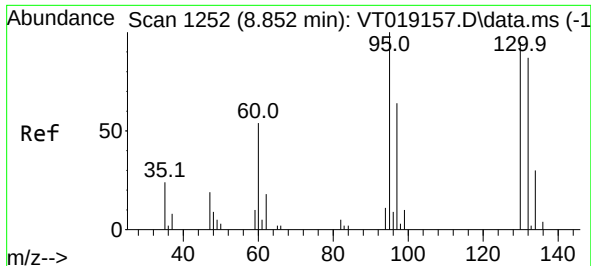
Tgt Ion: 62 Resp: 8231

Ion Ratio Lower Upper

62 100

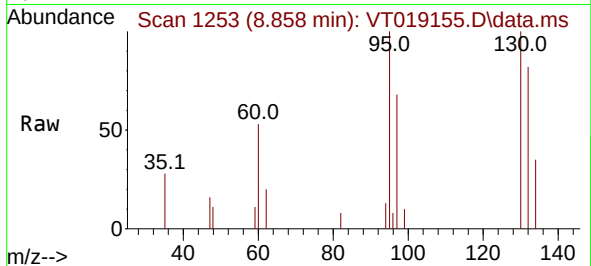
98 5.7 6.7 10.1#





#37
Trichloroethene
Concen: 5.629 ug/l
RT: 8.858 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

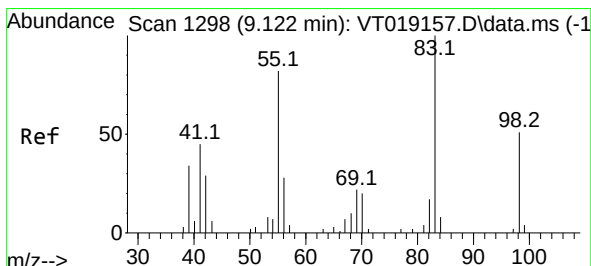
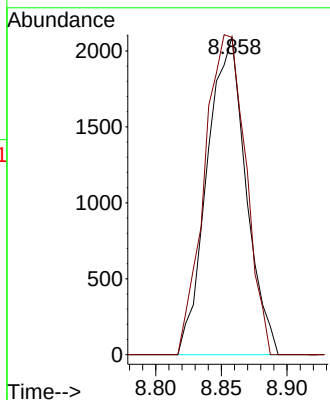
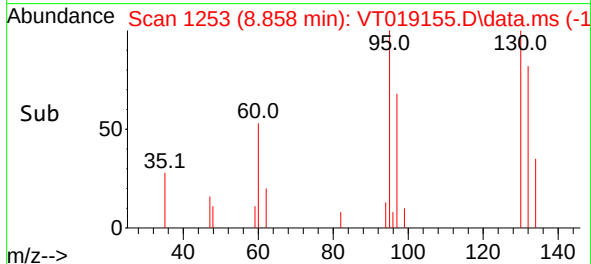
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion:130 Resp: 4300
Ion Ratio Lower Upper
130 100
95 99.9 79.4 119.2

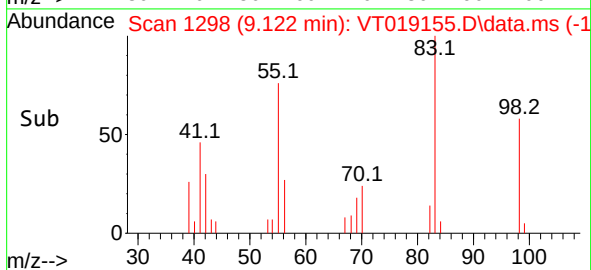
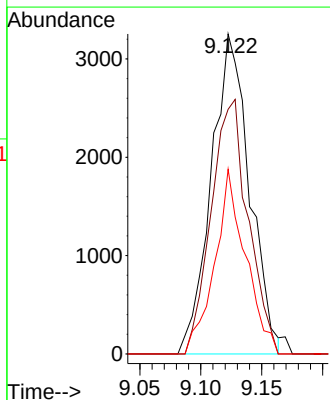
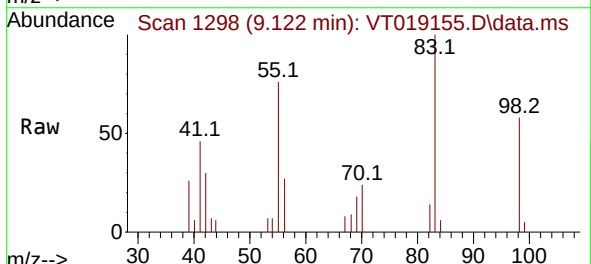
Manual Integrations
APPROVED

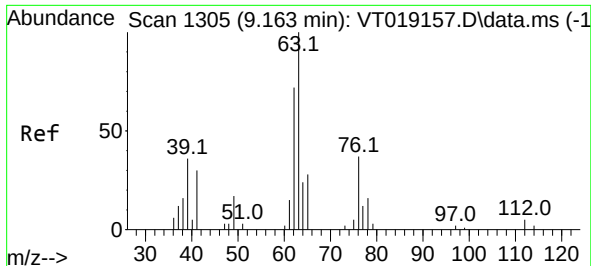
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#38
Methylcyclohexane
Concen: 6.290 ug/l
RT: 9.122 min Scan# 1298
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 83 Resp: 7109
Ion Ratio Lower Upper
83 100
55 76.9 40.3 120.8
98 46.4 24.3 72.9





#39

1,2-Dichloropropane

Concen: 5.568 ug/l

RT: 9.169 min Scan# 11

Delta R.T. 0.006 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 606

Ion Ratio Lower Upper

63 100

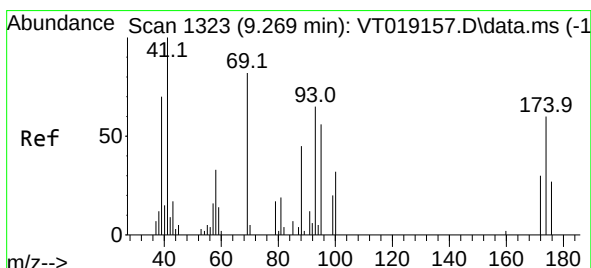
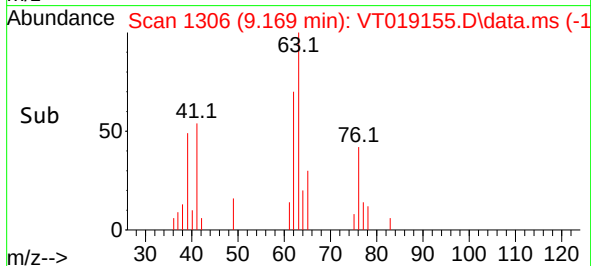
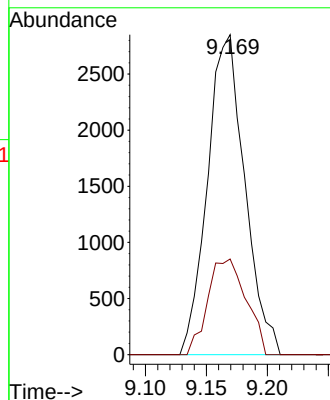
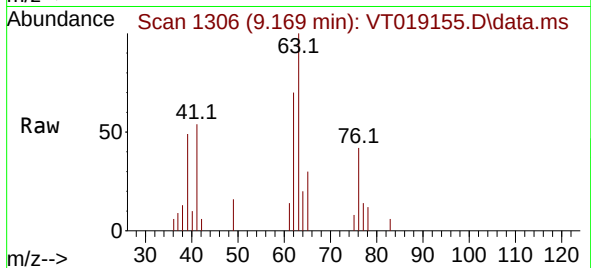
65 29.9 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Dibromomethane

Concen: 5.038 ug/l

RT: 9.269 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

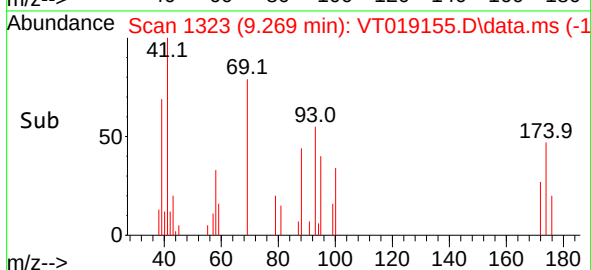
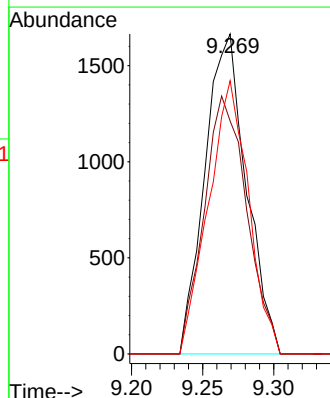
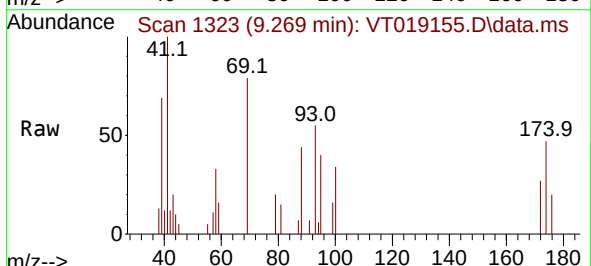
Tgt Ion: 93 Resp: 3383

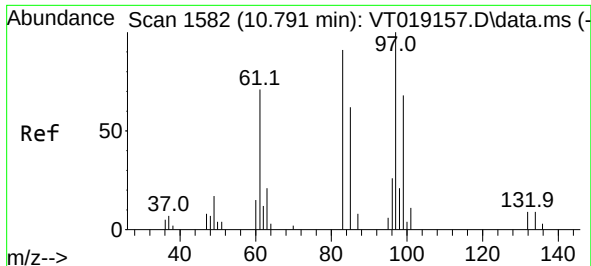
Ion Ratio Lower Upper

93 100

95 82.9 0.0 166.2

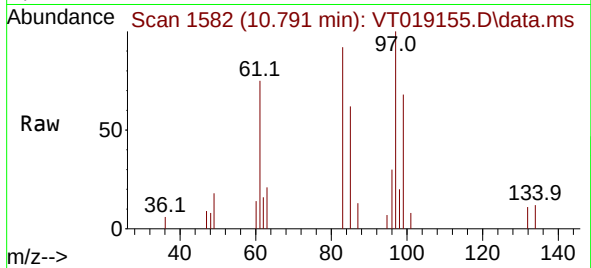
174 82.4 0.0 26.4





#41
Bromodichloromethane
Concen: 5.177 ug/l
RT: 10.791 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

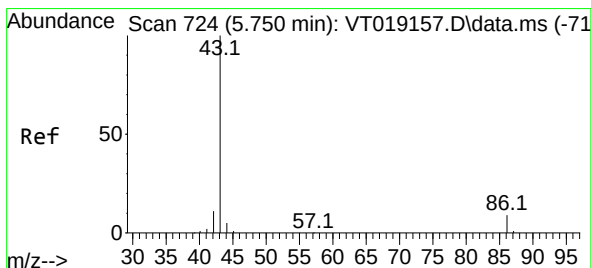
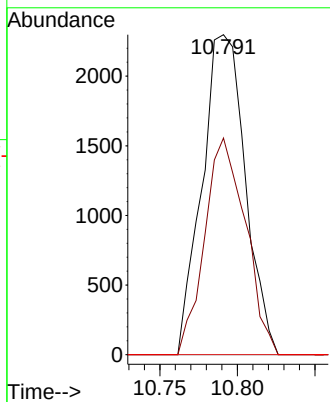
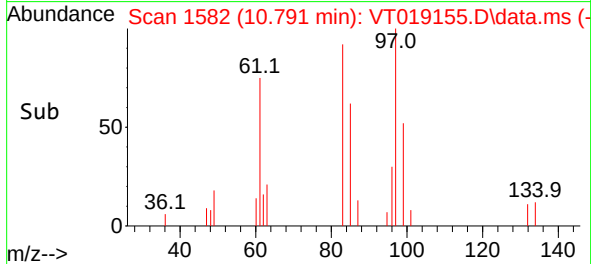
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 446
Ion Ratio Lower Upper
83 100
85 67.7 47.2 70.8
127 0.0 7.1 10.7

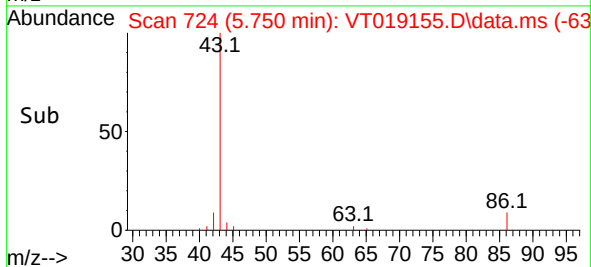
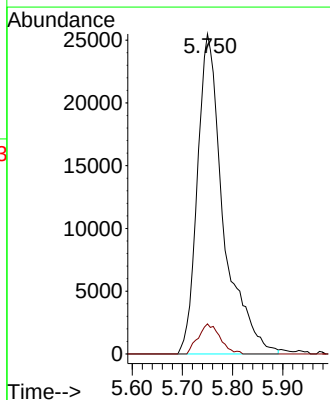
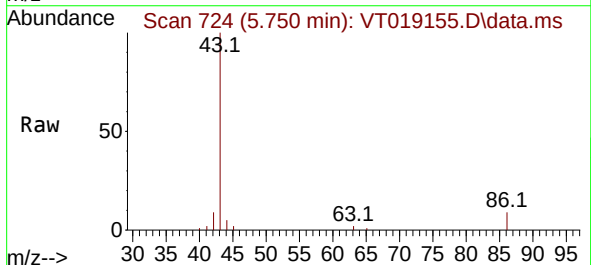
Manual Integrations
APPROVED

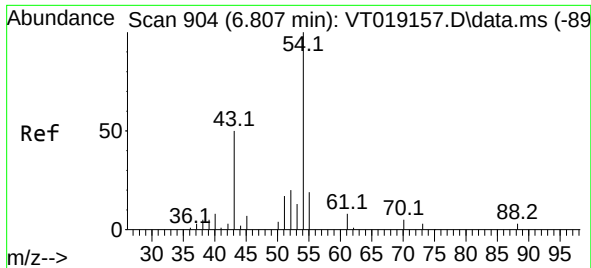
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#42
Vinyl Acetate
Concen: 27.079 ug/l
RT: 5.750 min Scan# 724
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 43 Resp: 91905
Ion Ratio Lower Upper
43 100
86 7.7 6.9 10.3





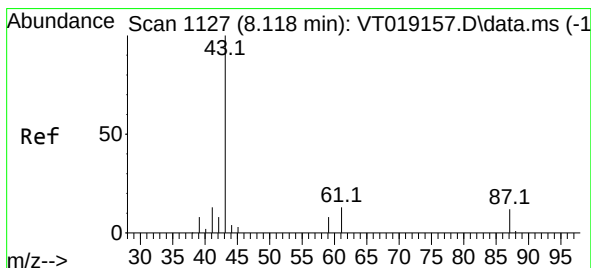
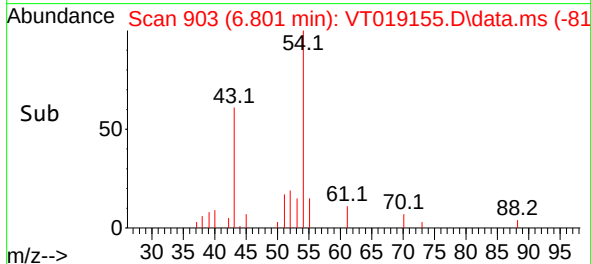
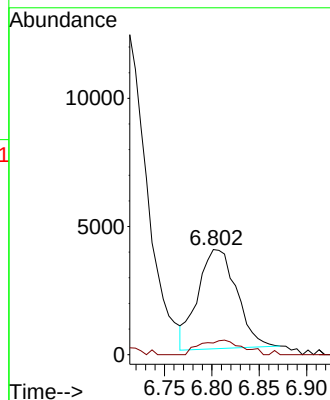
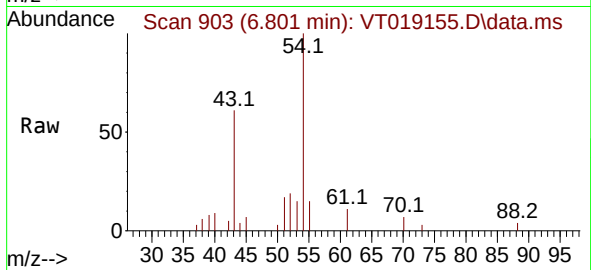
#43
Ethyl Acetate
Concen: 4.848 ug/l
RT: 6.801 min Scan# 904
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11024
Ion Ratio Lower Upper
43 100
45 6.3 10.6 16.0

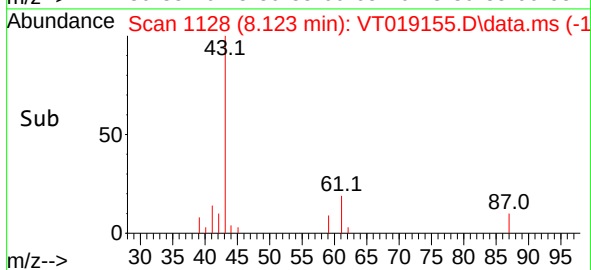
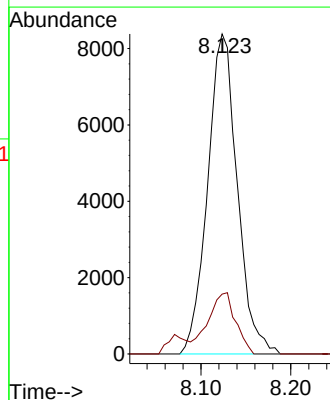
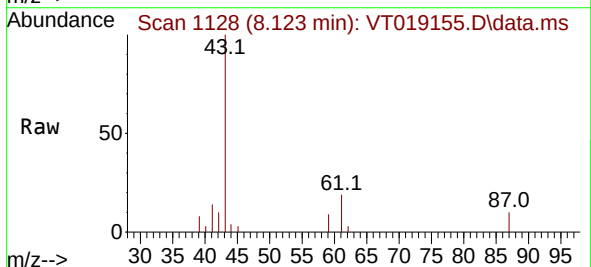
Manual Integrations
APPROVED

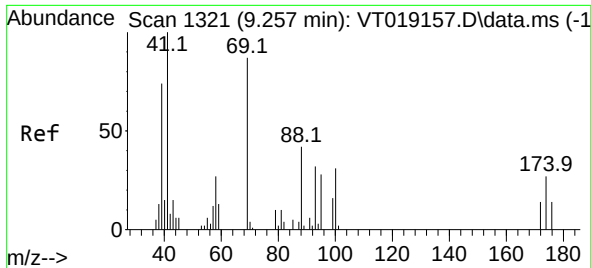
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#44
Isopropyl Acetate
Concen: 5.375 ug/l
RT: 8.123 min Scan# 1128
Delta R.T. 0.001 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 43 Resp: 19235
Ion Ratio Lower Upper
43 100
61 17.8 14.7 22.1





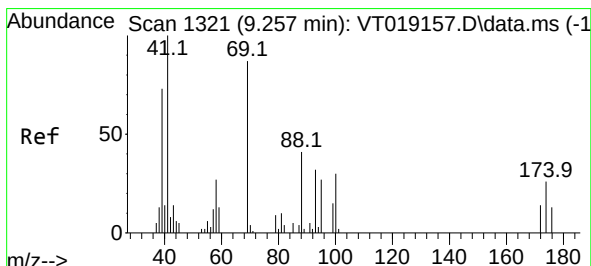
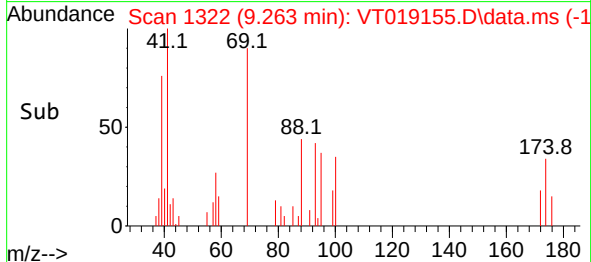
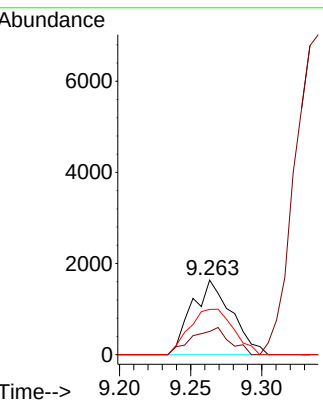
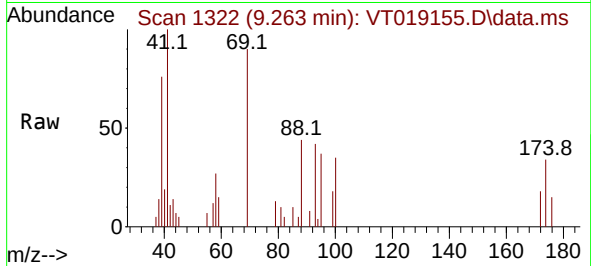
#45
1,4-Dioxane
Concen: 102.904 ug/l
RT: 9.263 min Scan# 1322
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 319
Ion Ratio Lower Upper
88 100
43 34.2 30.2 45.2
58 66.8 33.3 49.9

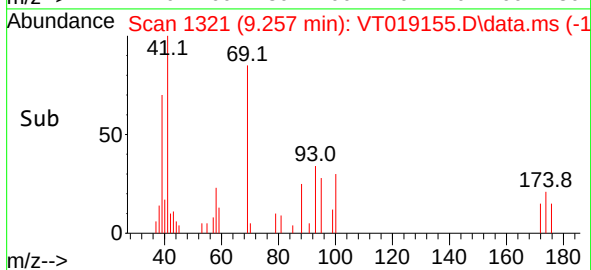
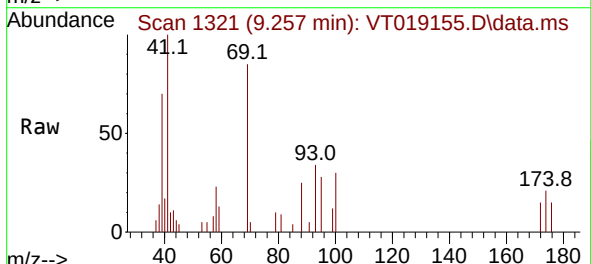
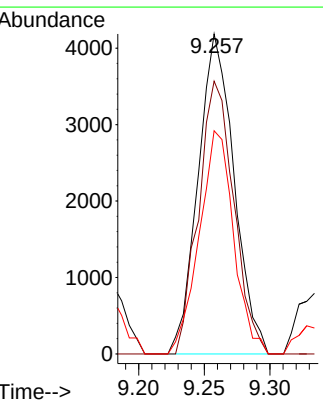
Manual Integrations
APPROVED

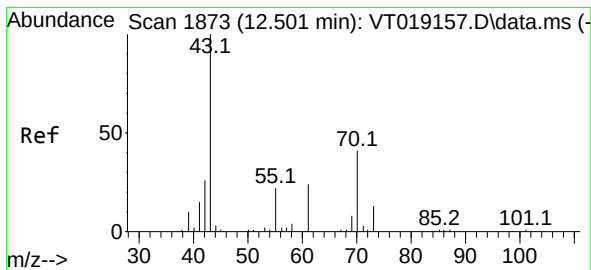
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#46
Methyl methacrylate
Concen: 4.987 ug/l
RT: 9.257 min Scan# 1321
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 41 Resp: 7980
Ion Ratio Lower Upper
41 100
69 85.2 35.8 107.3
39 69.8 24.4 73.4





#47

n-amy1 Acetate

Concen: 5.233 ug/l

RT: 12.501 min Scan# 11

Delta R.T. -0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

43 100

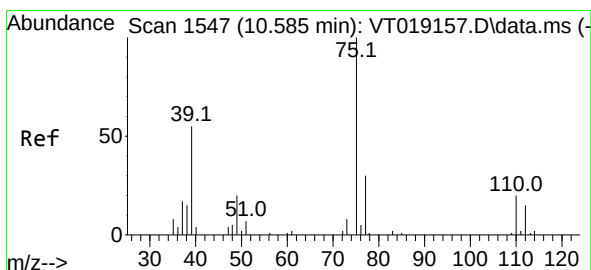
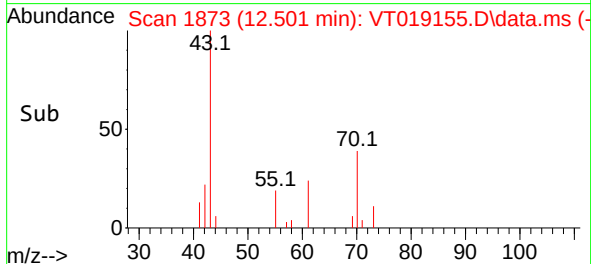
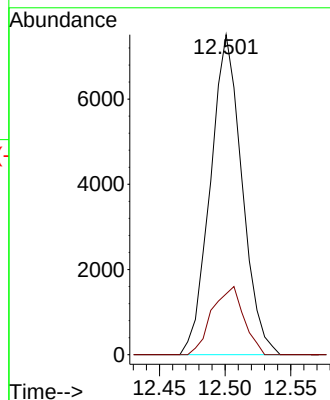
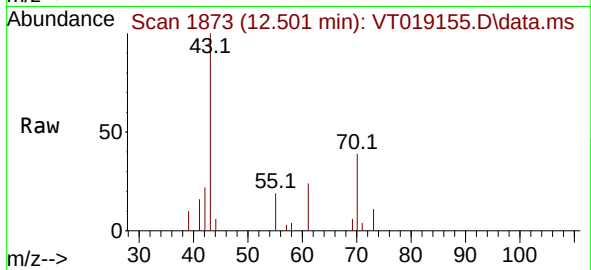
55 21.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#48

t-1,3-Dichloropropene

Concen: 5.031 ug/l

RT: 10.585 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VT019155.D

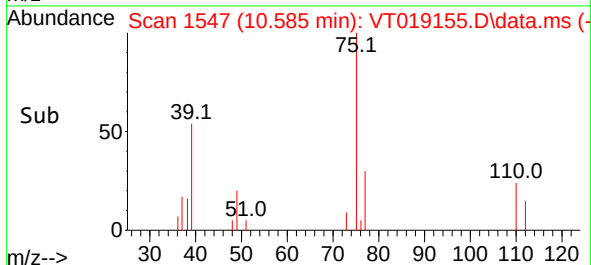
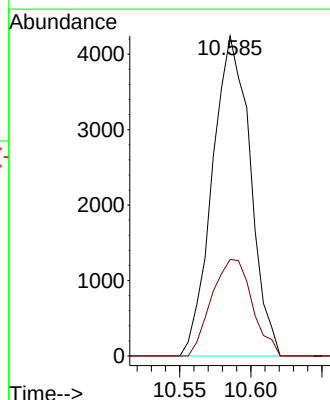
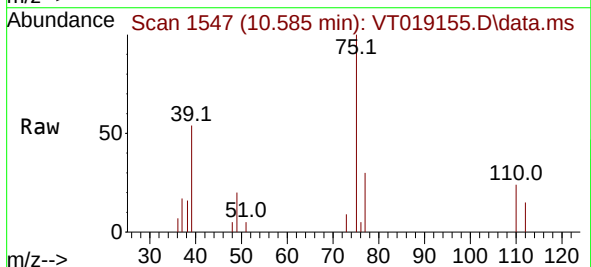
Acq: 22 Oct 2025 12:31

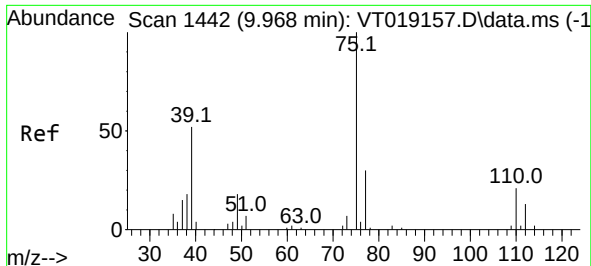
Tgt Ion: 75 Resp: 7873

Ion Ratio Lower Upper

75 100

77 30.2 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 5.192 ug/l

RT: 9.974 min Scan# 1442

Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 853

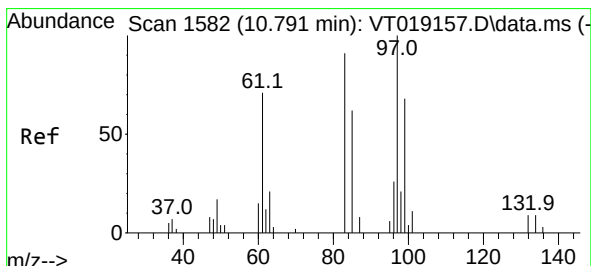
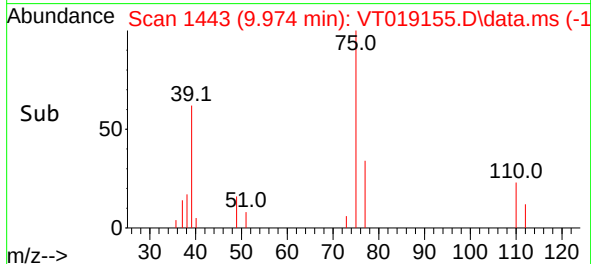
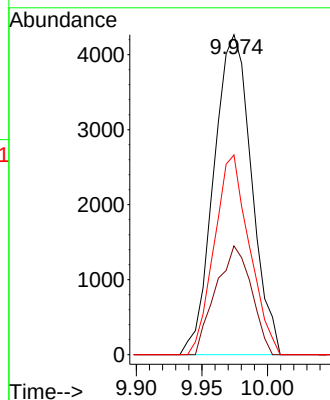
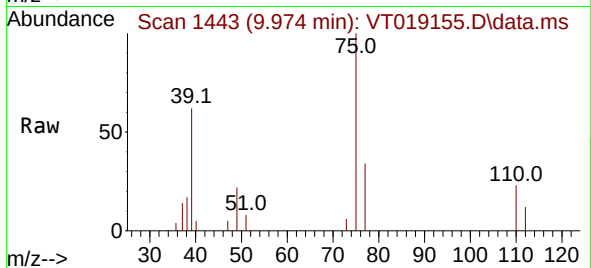
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.1	37.7
39	62.4	42.7	64.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#50

1,1,2-Trichloroethane

Concen: 5.494 ug/l

RT: 10.797 min Scan# 1583

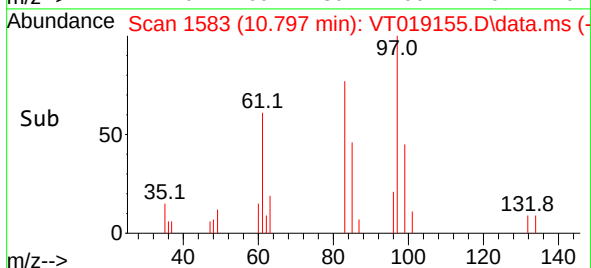
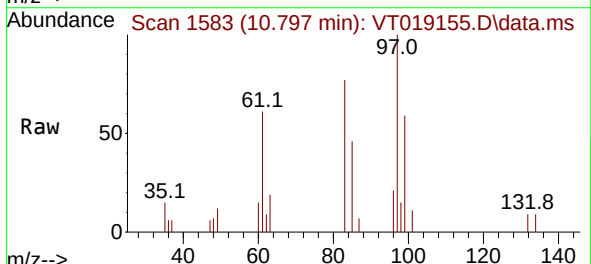
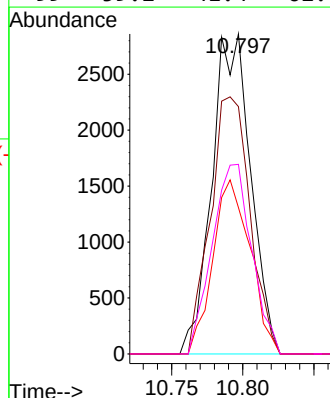
Delta R.T. 0.006 min

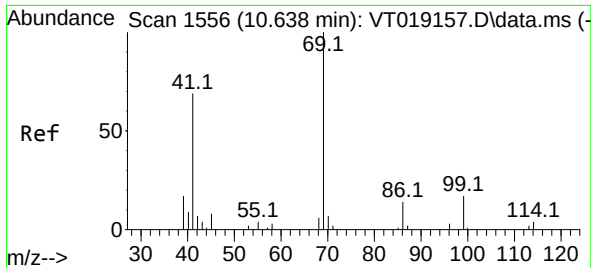
Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Tgt Ion: 97 Resp: 5426

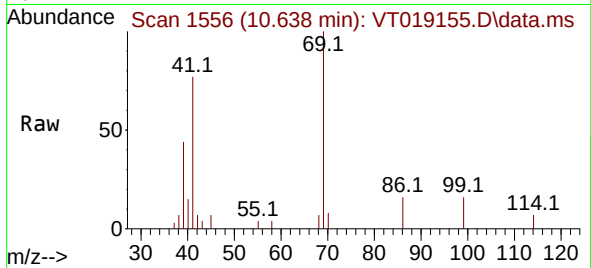
Ion	Ratio	Lower	Upper
97	100		
83	77.3	58.3	87.5
85	45.8	36.5	54.7
99	59.2	41.4	62.0





#51
Ethyl methacrylate
Concen: 4.933 ug/l
RT: 10.638 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

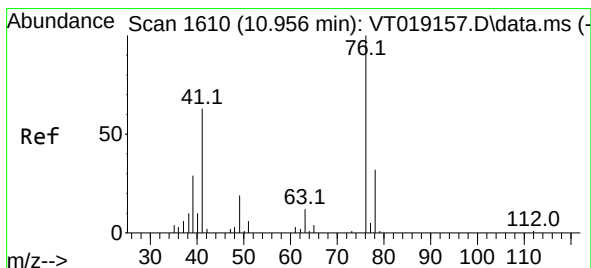
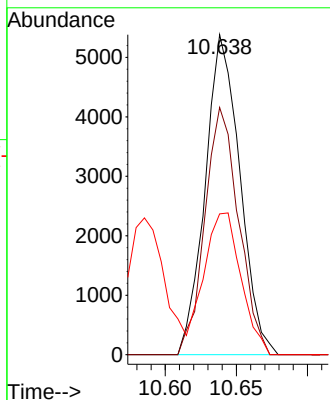
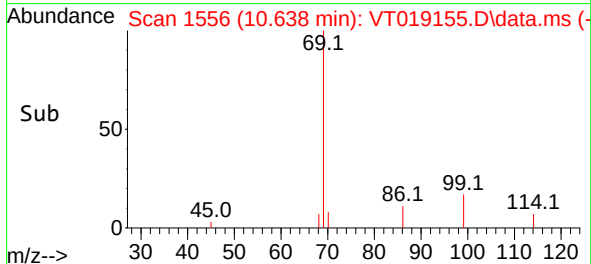
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 9129
Ion Ratio Lower Upper
69 100
41 77.3 35.0 105.1
39 44.0 19.5 58.5

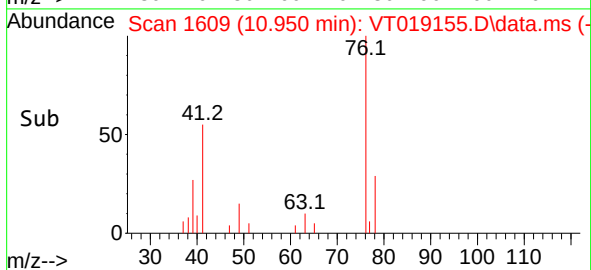
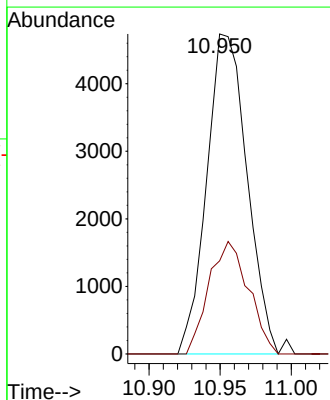
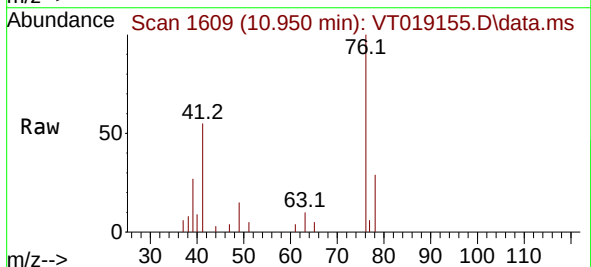
Manual Integrations
APPROVED

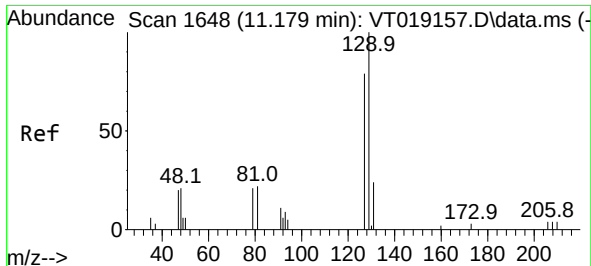
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#52
1,3-Dichloropropane
Concen: 5.297 ug/l
RT: 10.950 min Scan# 1609
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

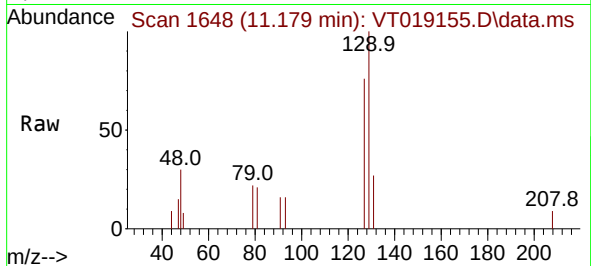
Tgt Ion: 76 Resp: 9343
Ion Ratio Lower Upper
76 100
78 34.6 0.0 63.6





#53
Dibromochloromethane
Concen: 4.963 ug/l
RT: 11.179 min Scan# 1648
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

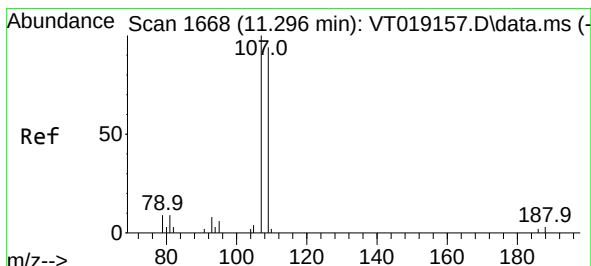
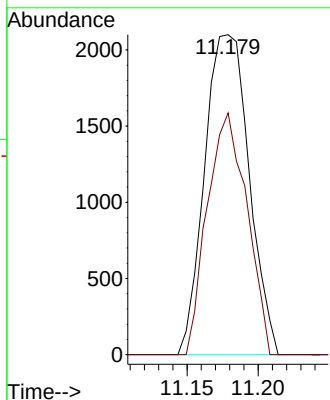
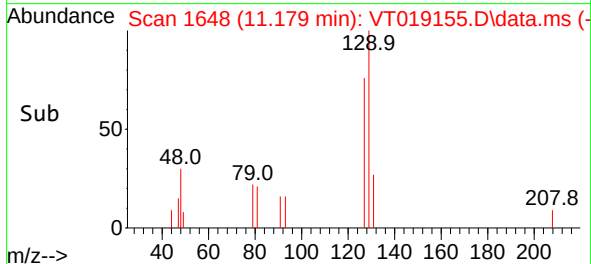
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



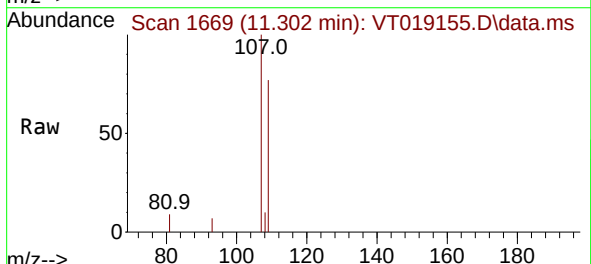
Tgt Ion:129 Resp: 4579
Ion Ratio Lower Upper
129 100
127 67.2 125.0 374.9

Manual Integrations
APPROVED

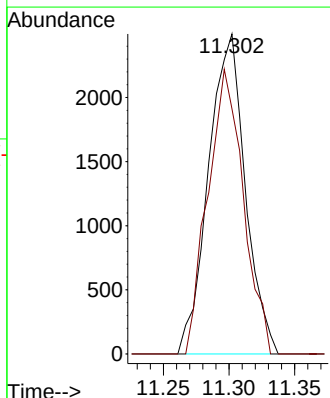
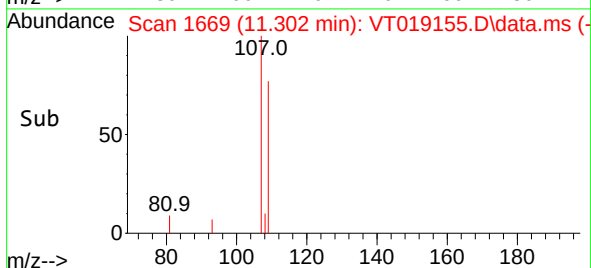
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

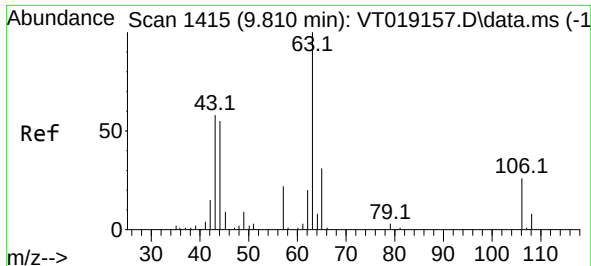


#54
1,2-Dibromoethane
Concen: 5.294 ug/l
RT: 11.302 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



Tgt Ion:107 Resp: 4863
Ion Ratio Lower Upper
107 100
109 85.7 74.0 111.0





#55

2-Chloroethyl vinyl ether

Concen: 30.873 ug/l

RT: 9.810 min Scan# 1415

Delta R.T. -0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

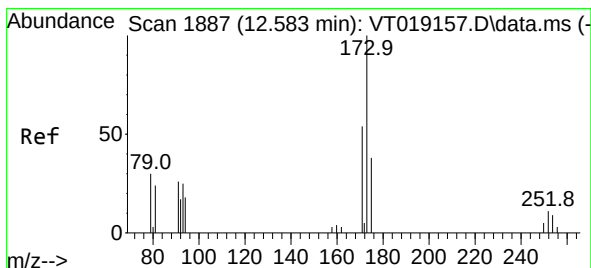
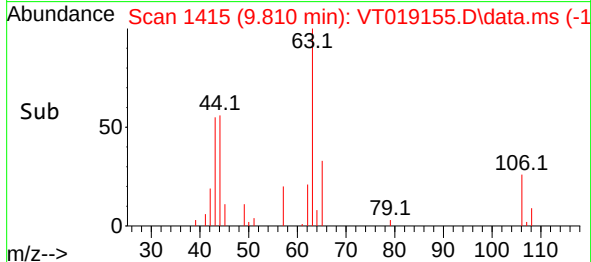
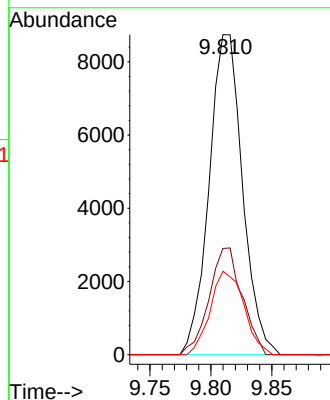
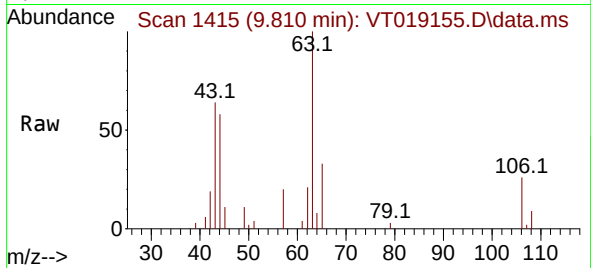
Tgt Ion:	63	Resp:	1666
Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.8	38.6
106	26.3	22.1	33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#56

Bromoform

Concen: 4.112 ug/l

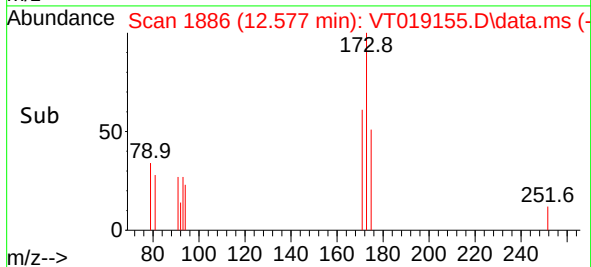
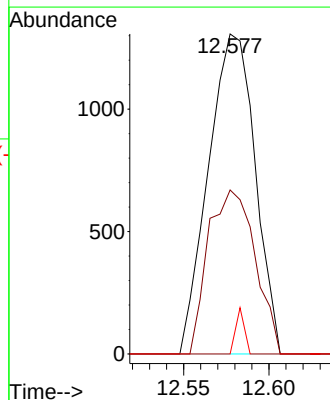
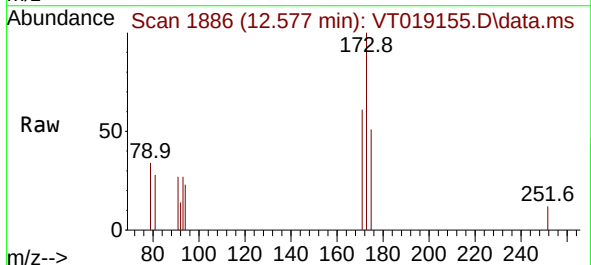
RT: 12.577 min Scan# 1886

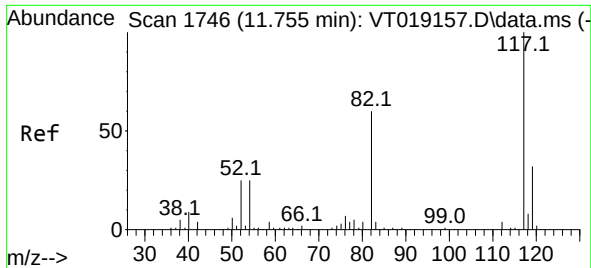
Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Tgt Ion:	173	Resp:	2490
Ion	Ratio	Lower	Upper
173	100		
175	51.4	2.6	3.8#
254	0.0	2.2	3.2#





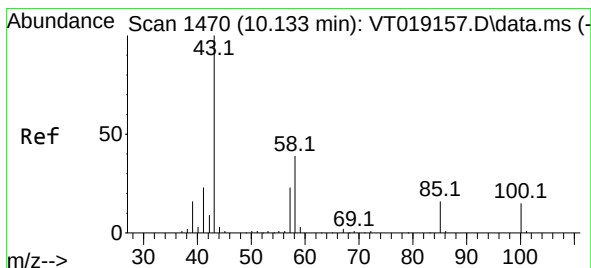
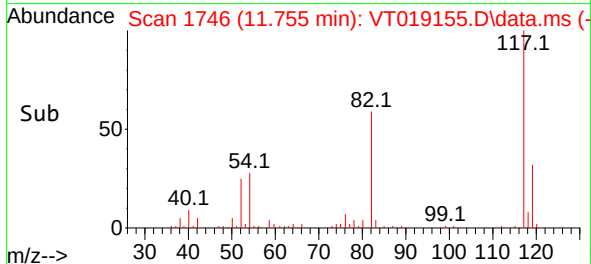
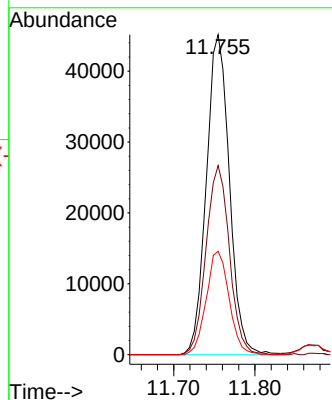
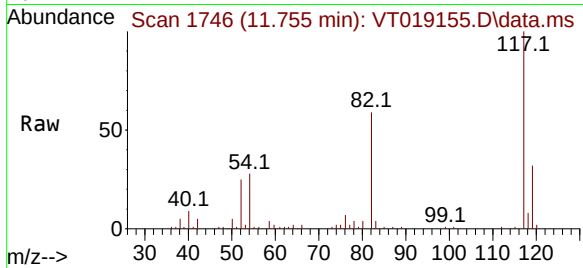
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.755 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 8918
Ion Ratio Lower Upper
117 100
82 59.8 46.0 69.0
119 31.9 25.8 38.8

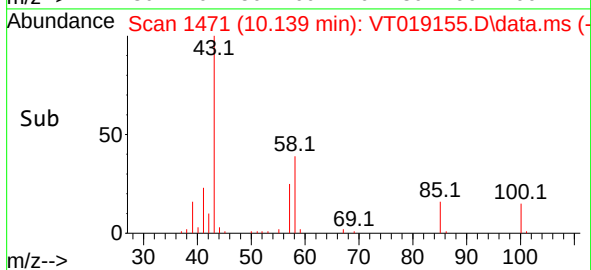
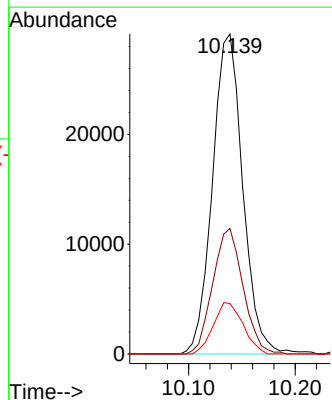
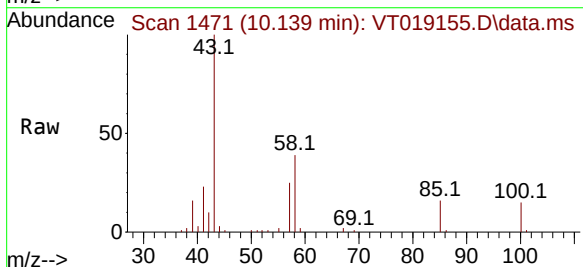
Manual Integrations
APPROVED

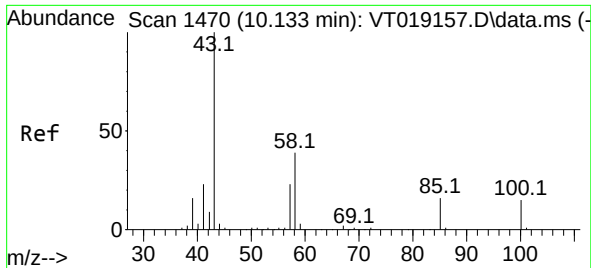
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#58
4-Methyl-2-Pentanone
Concen: 26.212 ug/l
RT: 10.139 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

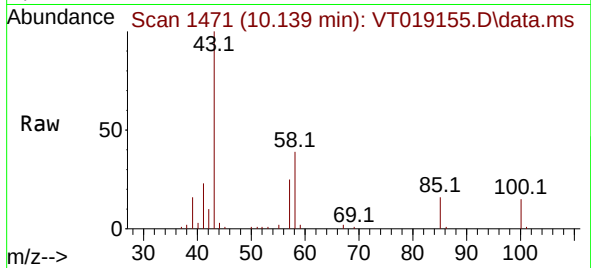
Tgt Ion: 43 Resp: 57249
Ion Ratio Lower Upper
43 100
58 39.3 30.6 45.8
85 15.8 13.4 20.2





#59
2-Hexanone
Concen: 26.212 ug/l
RT: 10.139 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

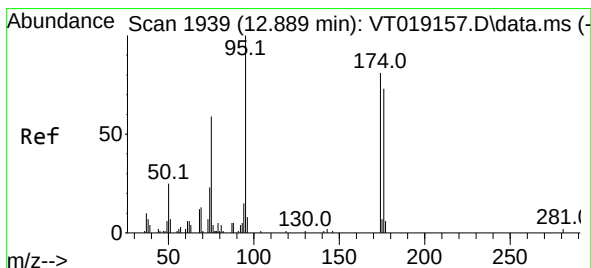
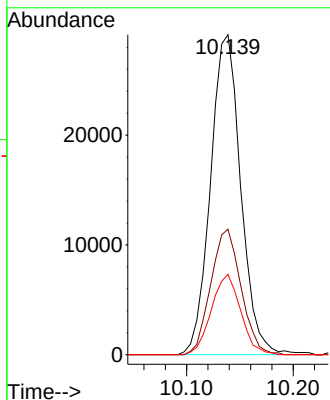
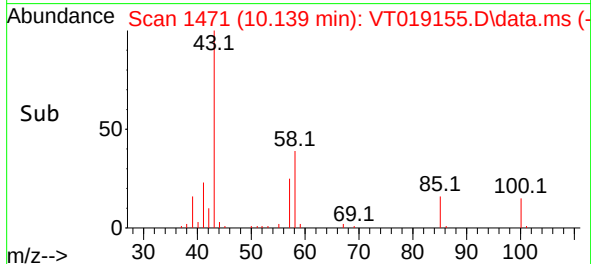
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 57249
Ion Ratio Lower Upper
43 100
58 39.3 42.0 63.0
57 24.4 14.6 21.8

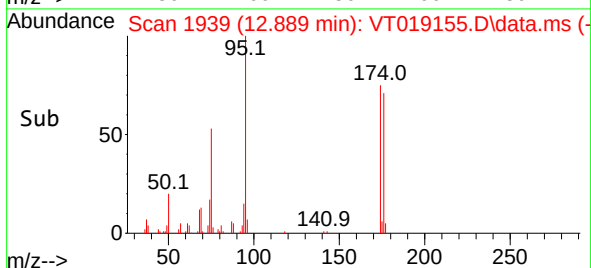
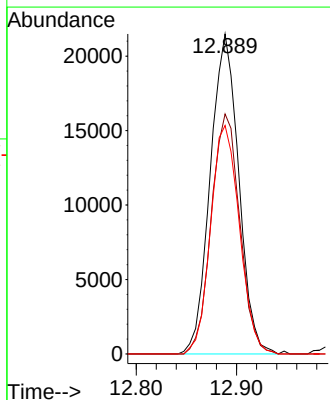
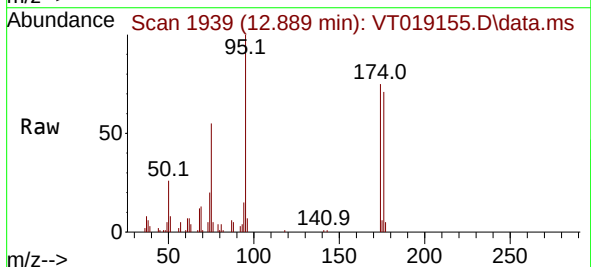
Manual Integrations
APPROVED

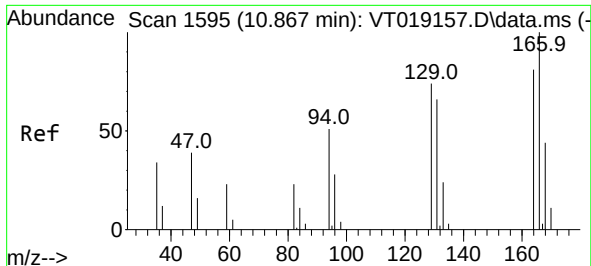
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#60
4-Bromofluorobenzene
Concen: 30.155 ug/l
RT: 12.889 min Scan# 1939
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

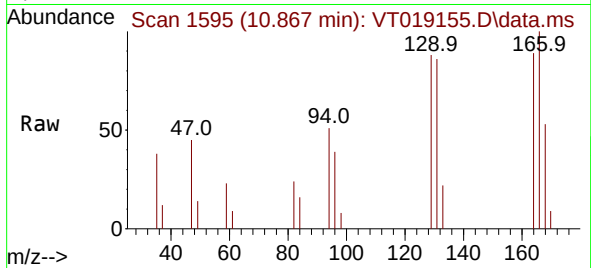
Tgt Ion: 95 Resp: 42267
Ion Ratio Lower Upper
95 100
174 75.2 57.5 86.3
176 72.5 56.4 84.6





#61
Tetrachloroethene
Concen: 6.067 ug/l
RT: 10.867 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

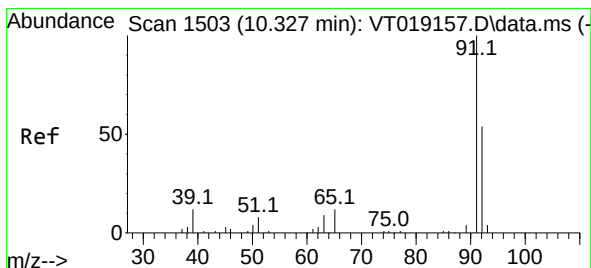
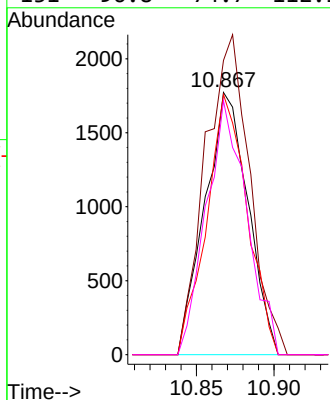
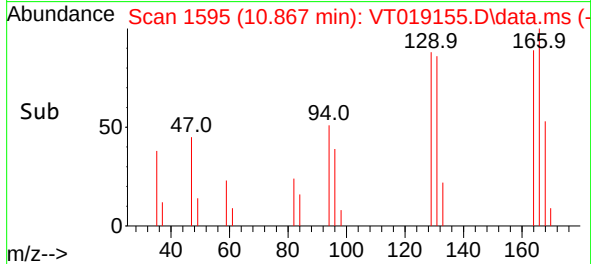
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



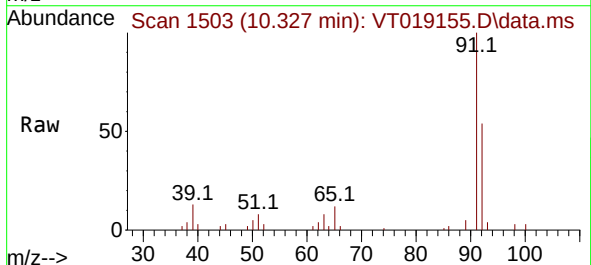
Tgt Ion:164 Resp: 3420
Ion Ratio Lower Upper
164 100
166 112.2 101.0 151.4
129 99.2 78.6 117.8
131 96.8 74.7 112.1

Manual Integrations
APPROVED

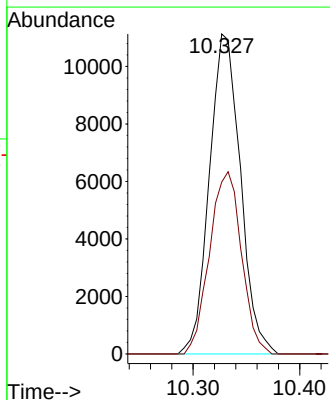
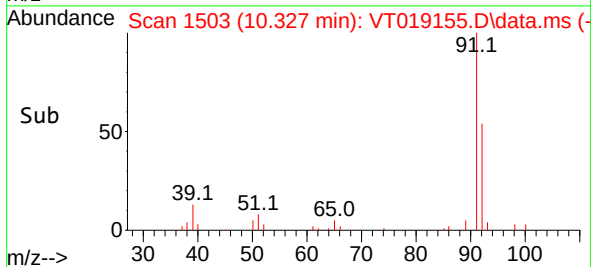
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

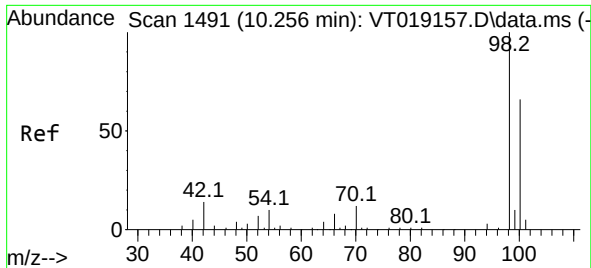


#62
Toluene
Concen: 5.639 ug/l
RT: 10.327 min Scan# 1503
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



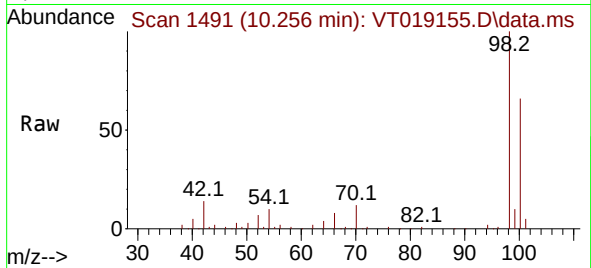
Tgt Ion: 91 Resp: 22525
Ion Ratio Lower Upper
91 100
92 58.4 46.6 69.8





#63
Toluene-d8
Concen: 30.435 ug/l
RT: 10.256 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

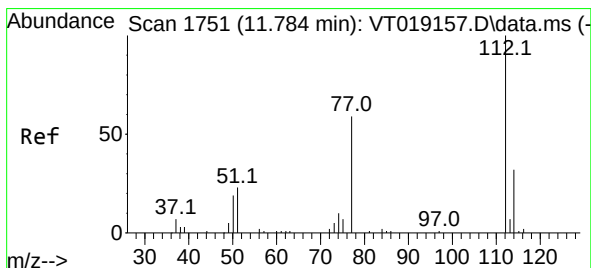
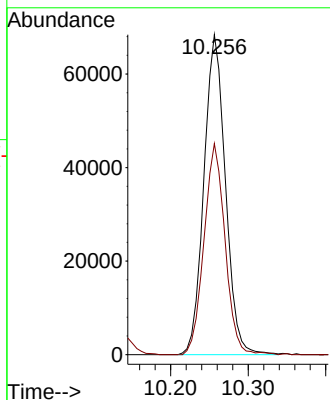
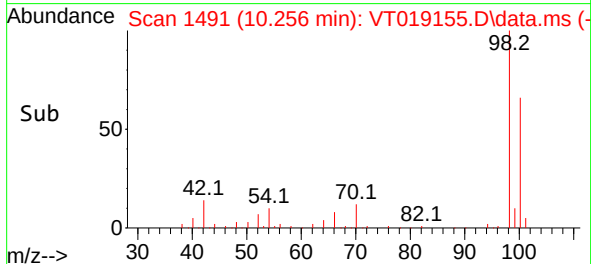
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 98 Resp: 13211
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3

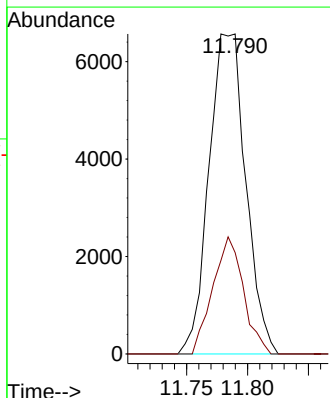
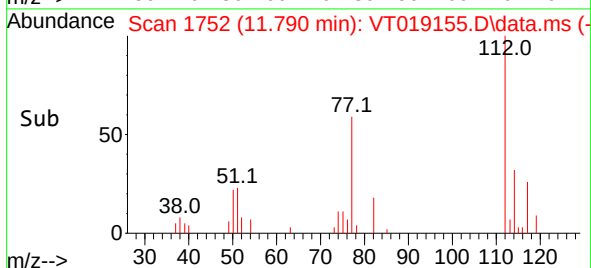
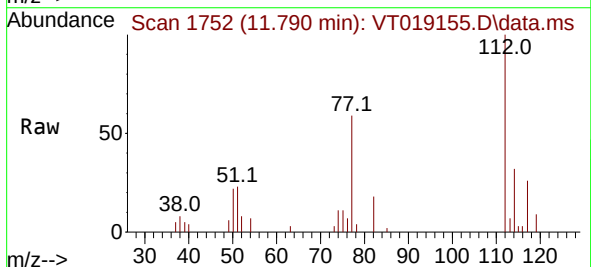
Manual Integrations
APPROVED

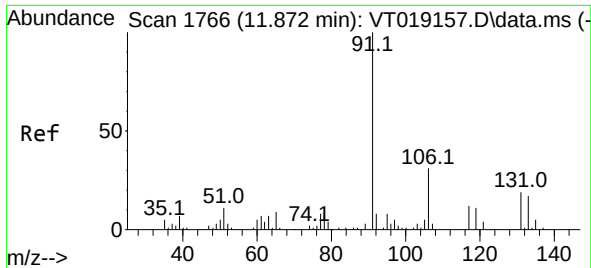
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#64
Chlorobenzene
Concen: 5.661 ug/l
RT: 11.790 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion:112 Resp: 13813
Ion Ratio Lower Upper
112 100
114 31.6 23.6 35.4





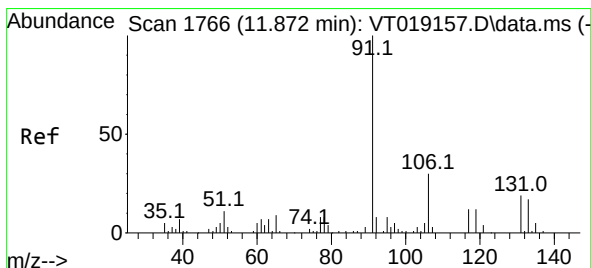
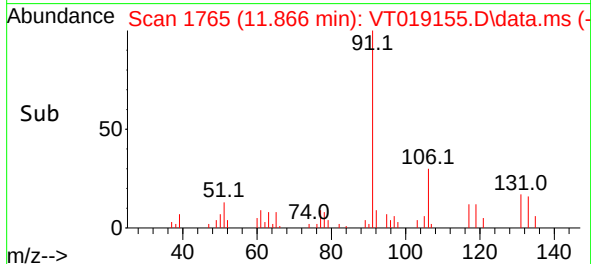
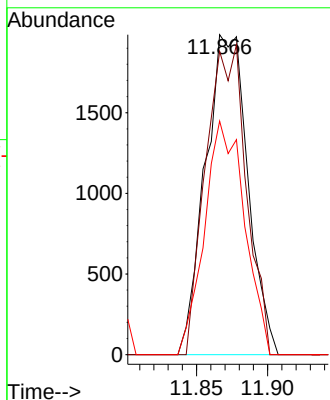
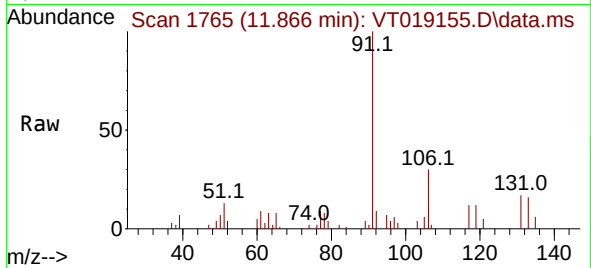
#65
1,1,1,2-Tetrachloroethane
Concen: 5.171 ug/l
RT: 11.866 min Scan# 1765
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 4110
Ion Ratio Lower Upper
131 100
133 92.3 0.0 188.2
119 68.8 0.0 101.8

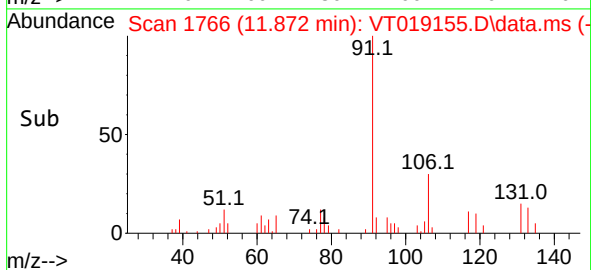
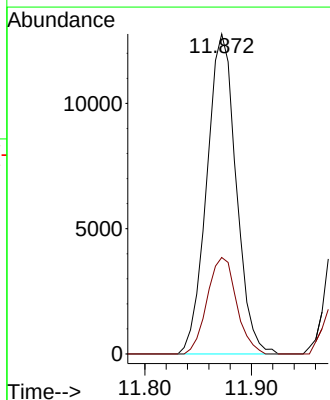
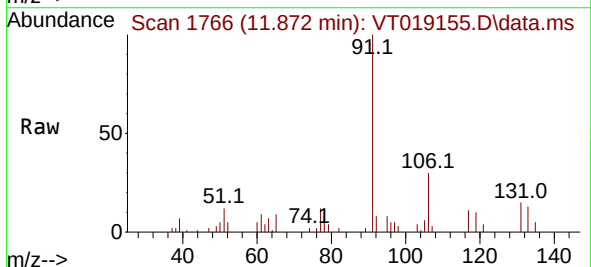
Manual Integrations
APPROVED

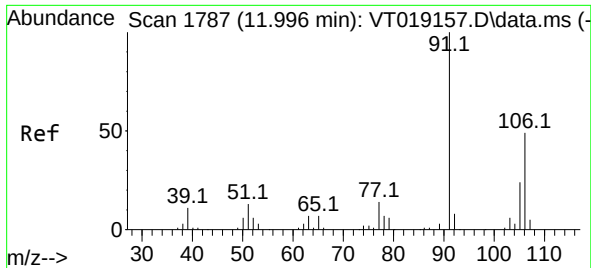
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#66
Ethyl Benzene
Concen: 5.622 ug/l
RT: 11.872 min Scan# 1766
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 91 Resp: 24406
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7





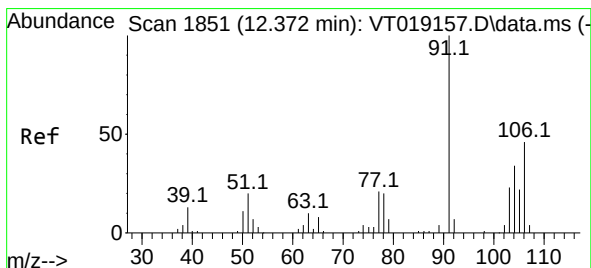
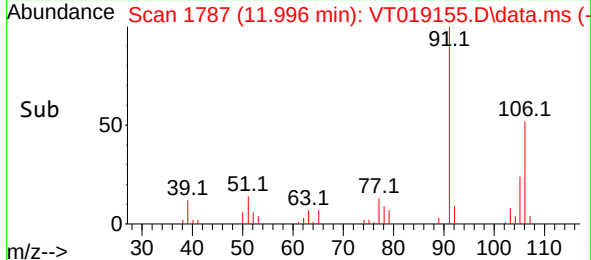
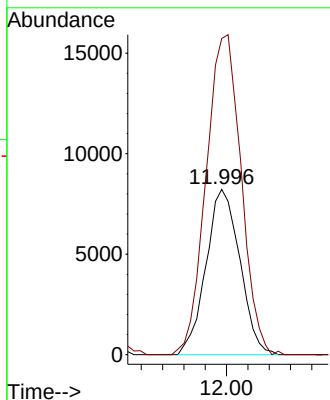
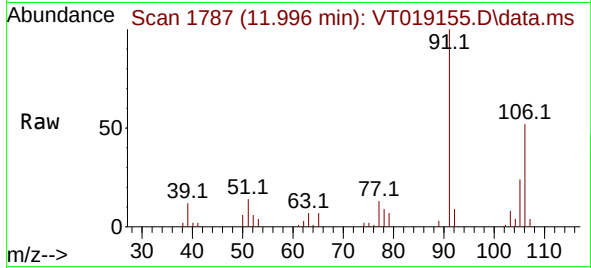
#67
m/p-Xylenes
Concen: 11.246 ug/l
RT: 11.996 min Scan# 1787
Delta R.T. 0.001 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 18149
Ion Ratio Lower Upper
106 100
91 199.7 164.4 246.6

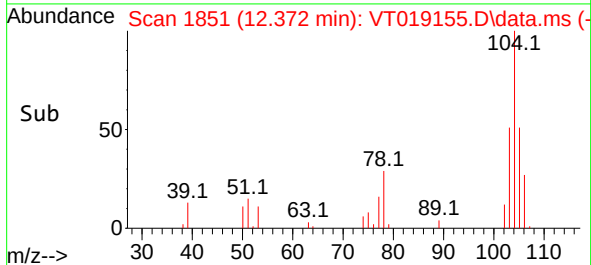
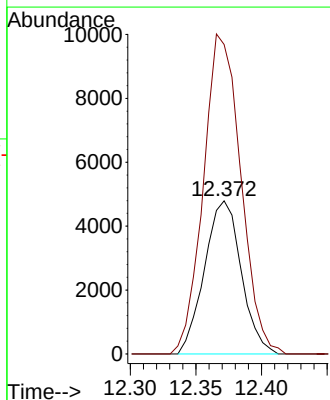
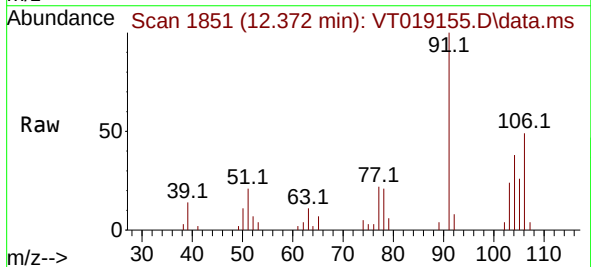
Manual Integrations
APPROVED

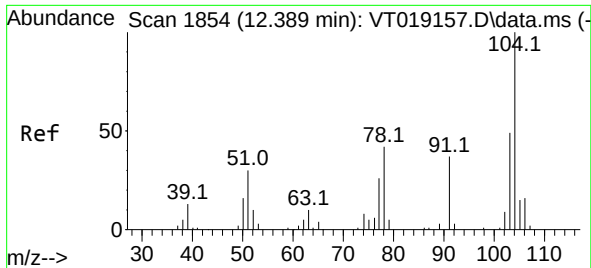
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#68
o-Xylene
Concen: 5.596 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion:106 Resp: 9321
Ion Ratio Lower Upper
106 100
91 212.9 111.3 333.8





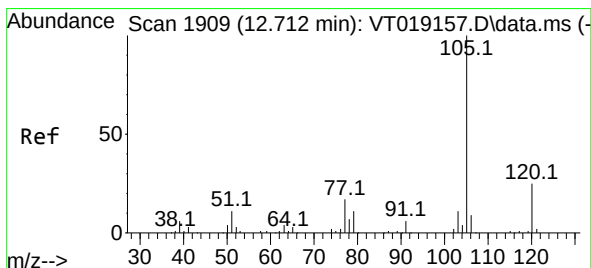
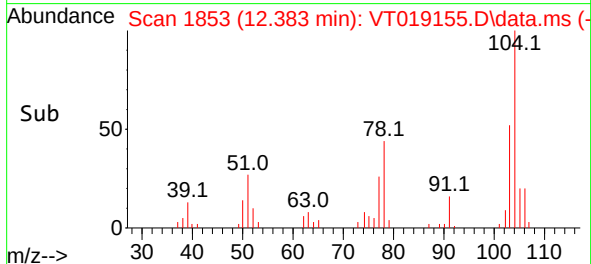
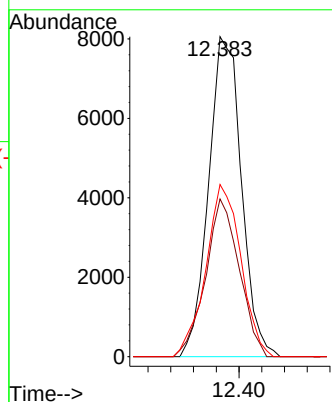
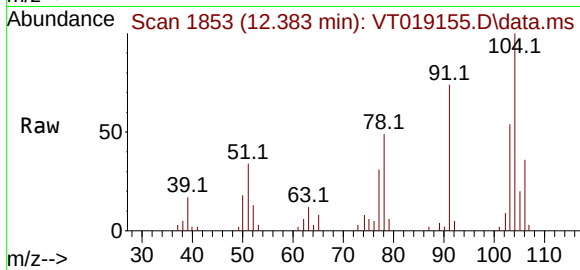
#69
Styrene
Concen: 5.394 ug/l
RT: 12.383 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 1613
Ion Ratio Lower Upper
104 100
78 50.3 42.6 63.8
103 57.3 43.5 65.3

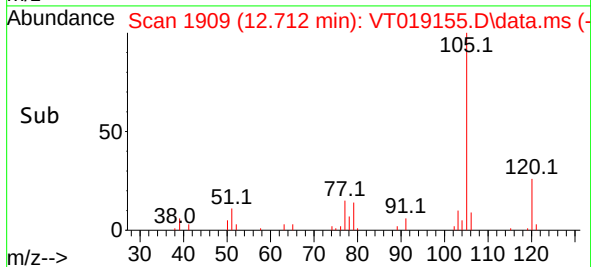
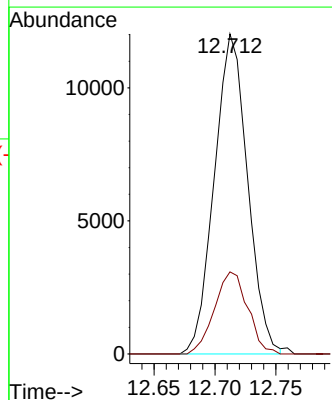
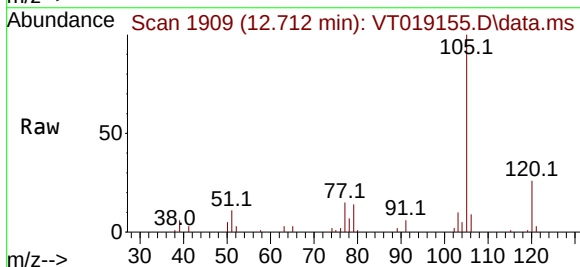
Manual Integrations
APPROVED

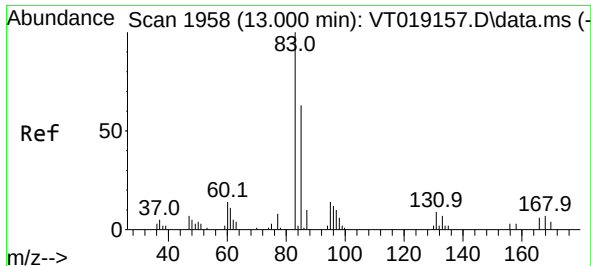
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#70
Isopropylbenzene
Concen: 5.581 ug/l
RT: 12.712 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion:105 Resp: 22804
Ion Ratio Lower Upper
105 100
120 25.6 17.8 33.0





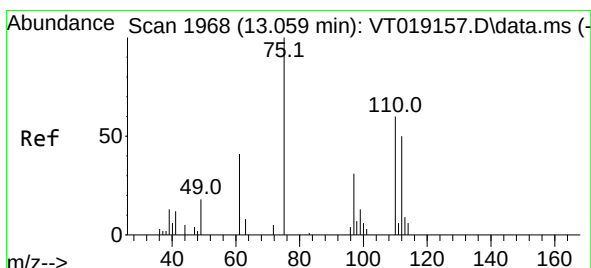
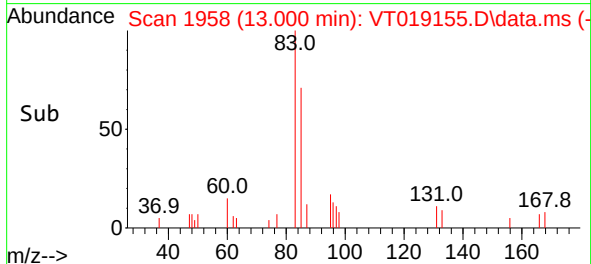
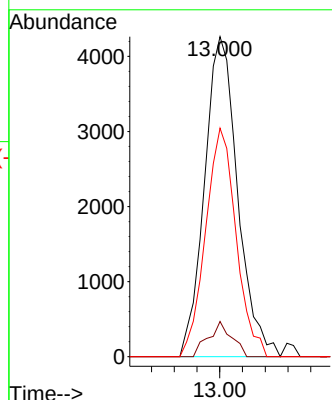
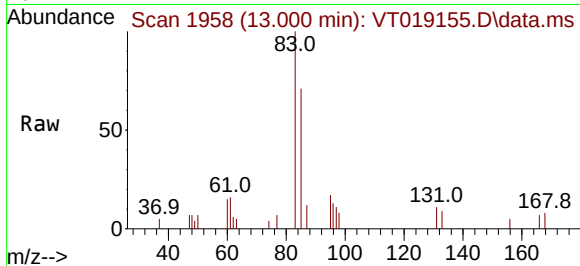
#71
1,1,2,2-Tetrachloroethane
Concen: 5.378 ug/l
RT: 13.000 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 862
Ion Ratio Lower Upper
83 100
131 7.7 6.0 18.0
85 65.8 32.3 96.9

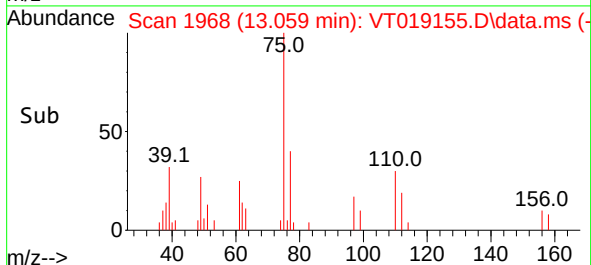
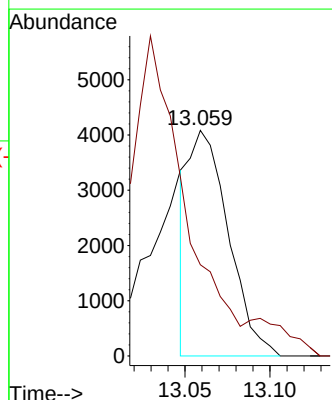
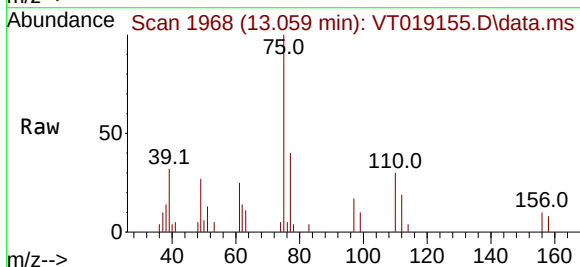
Manual Integrations
APPROVED

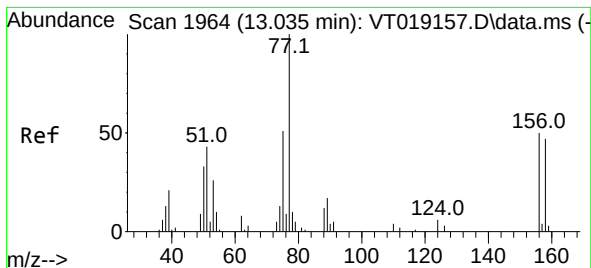
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#72
1,2,3-Trichloropropane
Concen: 5.292 ug/l m
RT: 13.059 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 75 Resp: 6687
Ion Ratio Lower Upper
75 100
77 193.1 0.0 74.2#





#73

Bromobenzene

Concen: 5.526 ug/l

RT: 13.035 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

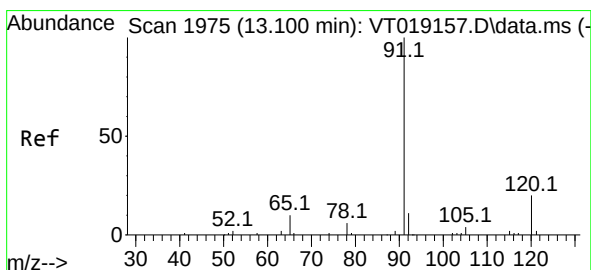
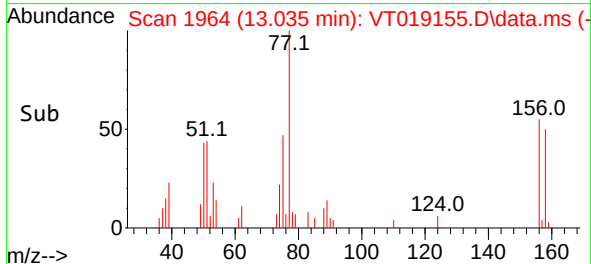
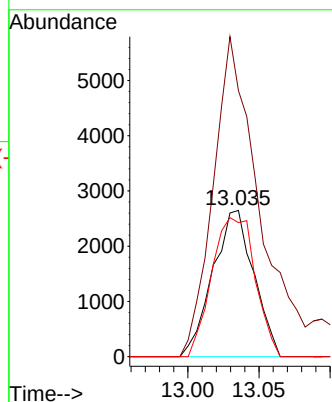
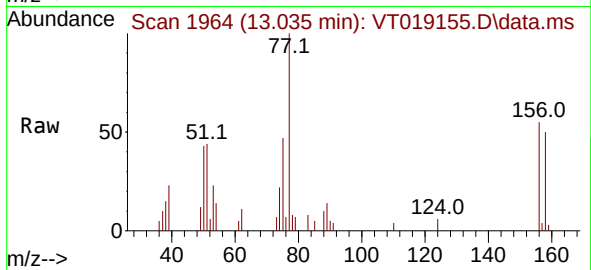
Tgt Ion:	156	Resp:	5310
Ion Ratio	Lower	Upper	
156	100		
77	243.2	0.0	340.8
158	100.7	0.0	189.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#74

n-propylbenzene

Concen: 5.808 ug/l

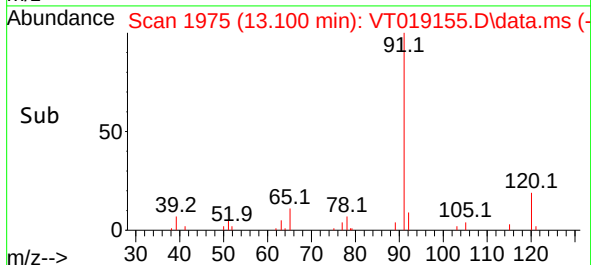
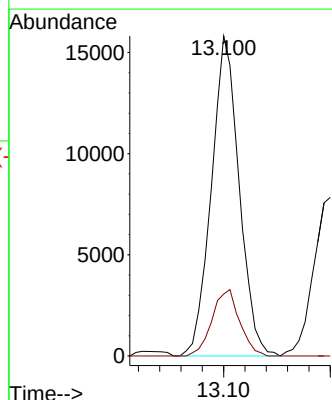
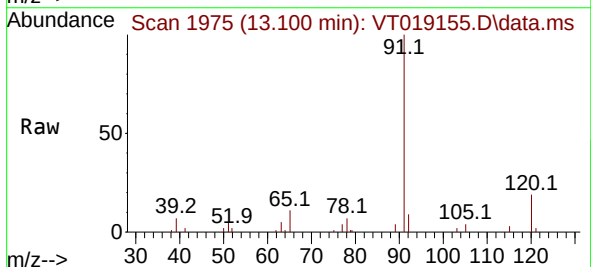
RT: 13.100 min Scan# 1975

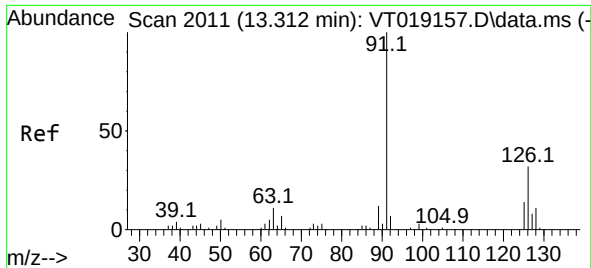
Delta R.T. 0.000 min

Lab File: VT019155.D

Acq: 22 Oct 2025 12:31

Tgt Ion:	91	Resp:	28614
Ion Ratio	Lower	Upper	
91	100		
120	20.5	0.0	44.4





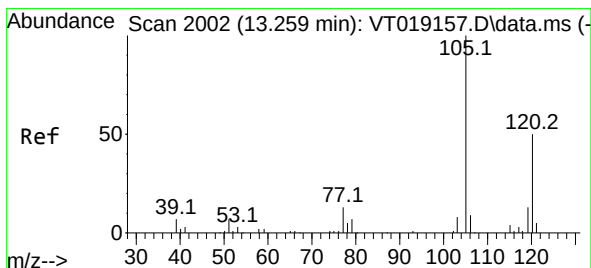
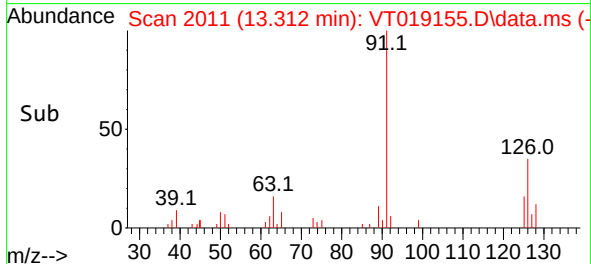
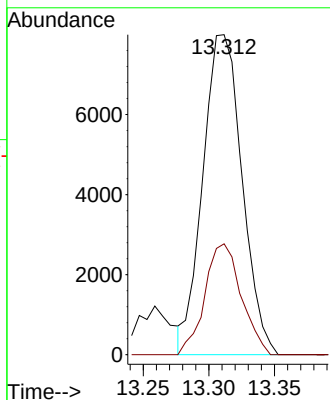
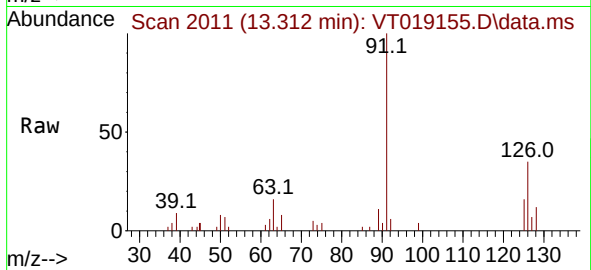
#75
2-Chlorotoluene
Concen: 5.510 ug/l
RT: 13.312 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 16618
Ion Ratio Lower Upper
91 100
126 32.2 0.0 63.6

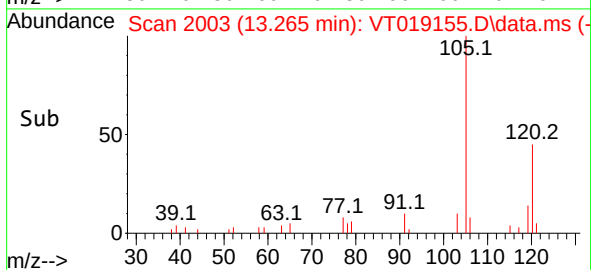
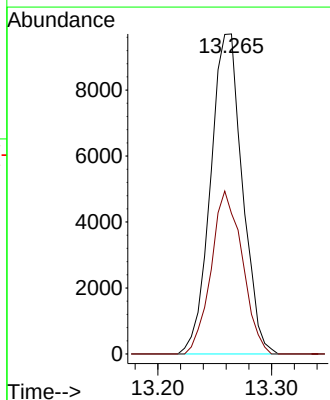
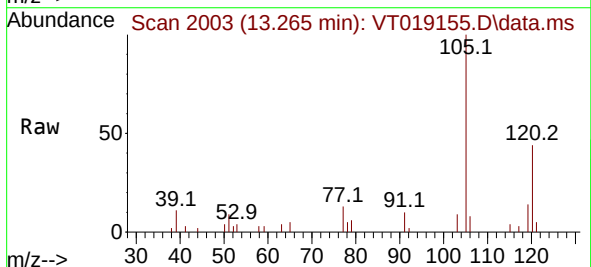
Manual Integrations
APPROVED

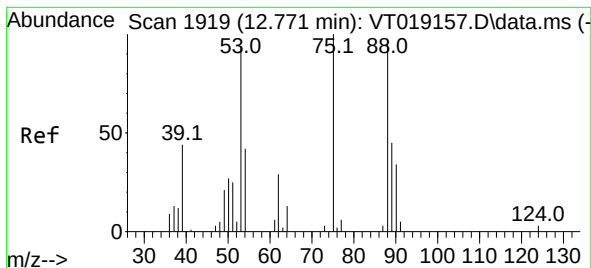
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#76
1,3,5-Trimethylbenzene
Concen: 5.622 ug/l
RT: 13.265 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

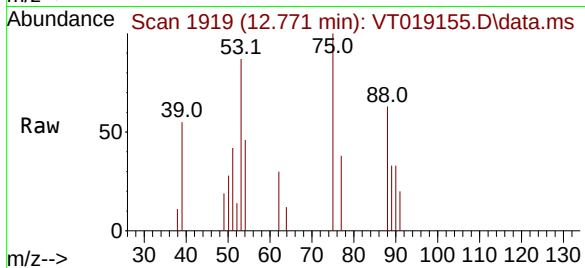
Tgt Ion:105 Resp: 18844
Ion Ratio Lower Upper
105 100
120 49.8 0.0 93.0





#77
t-1,4-Dichloro-2-butene
Concen: 4.628 ug/l m
RT: 12.771 min Scan# 1919
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

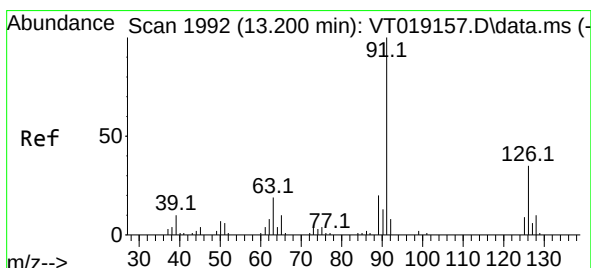
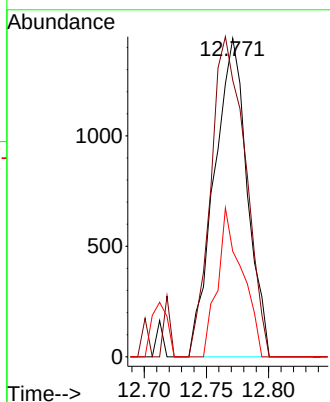
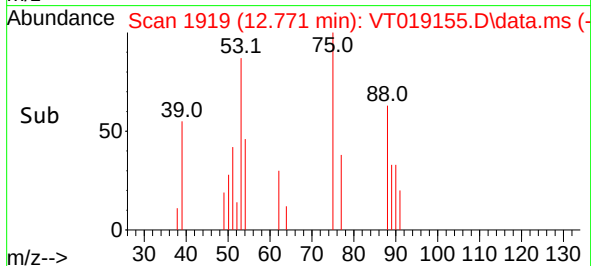
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
53 86.8 48.4 145.2
89 33.1 33.8 101.3

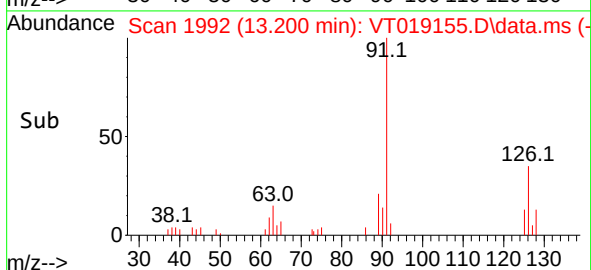
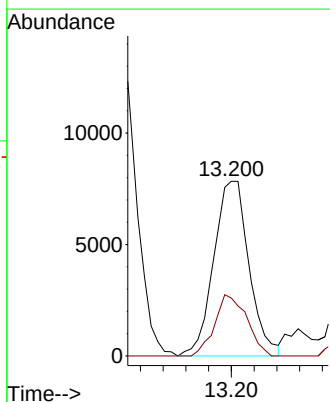
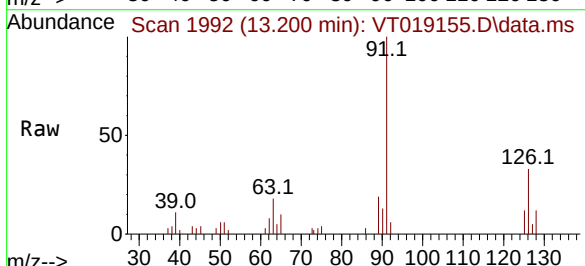
Manual Integrations
APPROVED

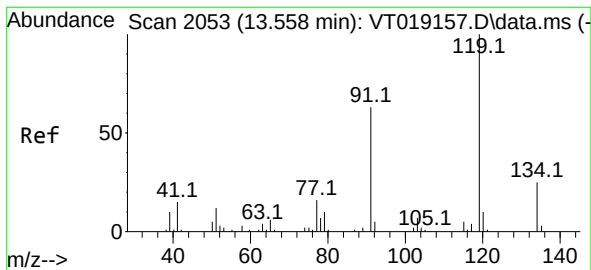
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#78
4-Chlorotoluene
Concen: 5.690 ug/l
RT: 13.200 min Scan# 1992
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion: 91 Resp: 16928
Ion Ratio Lower Upper
91 100
126 31.8 0.0 57.2





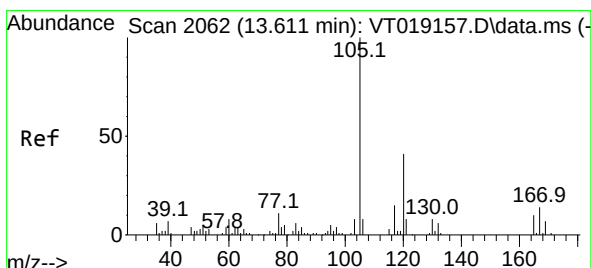
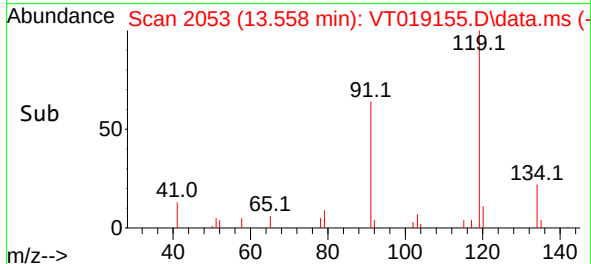
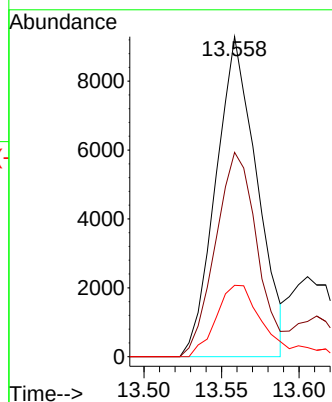
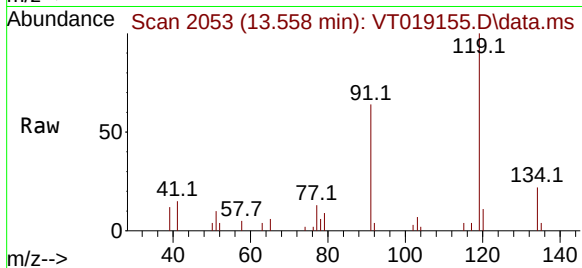
#79
tert-butylbenzene
Concen: 5.756 ug/l
RT: 13.558 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 1713
Ion Ratio Lower Upper
119 100
91 64.6 0.0 120.6
134 24.2 0.0 46.0

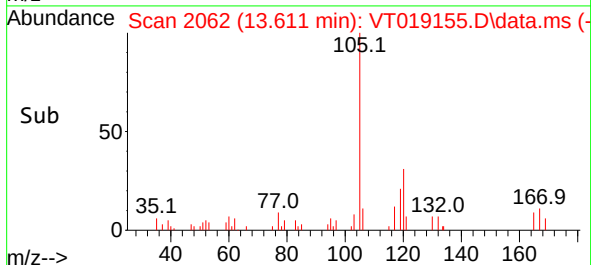
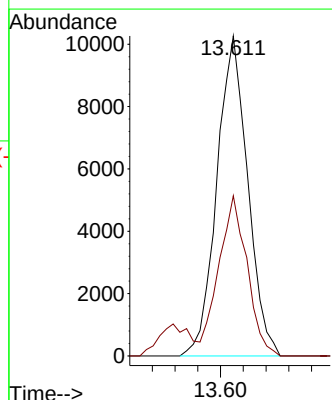
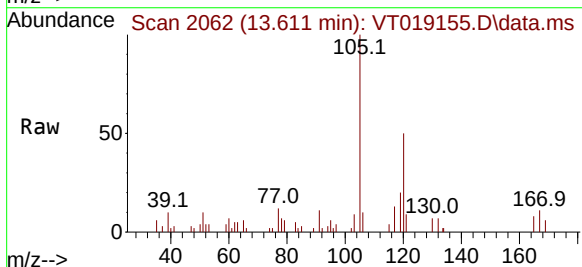
Manual Integrations
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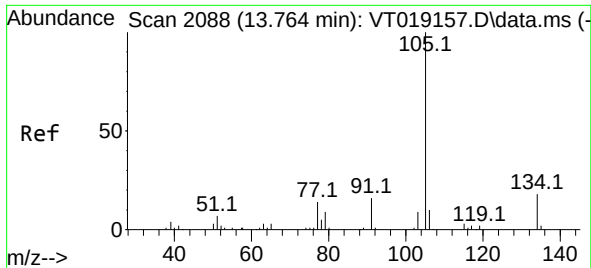
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#80
1,2,4-Trimethylbenzene
Concen: 5.527 ug/l
RT: 13.611 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Tgt Ion:105 Resp: 19330
Ion Ratio Lower Upper
105 100
120 46.0 0.0 88.6





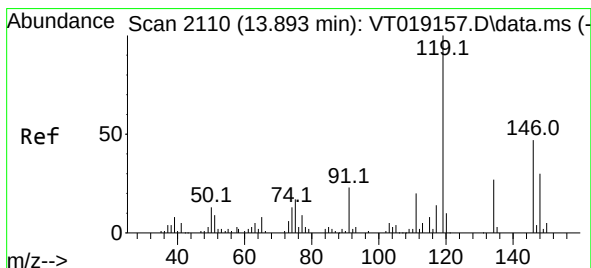
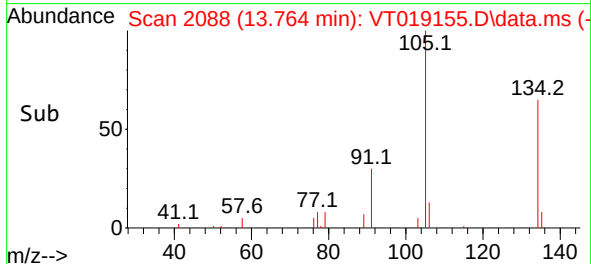
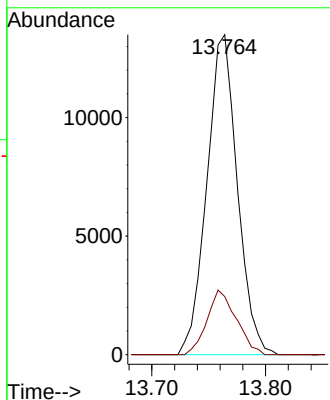
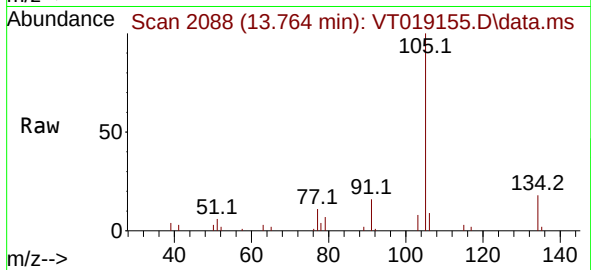
#81
 sec-Butylbenzene
 Concen: 5.863 ug/l
 RT: 13.764 min Scan# 2088
 Delta R.T. 0.000 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDICC005

Tgt Ion:105 Resp: 2515
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.4

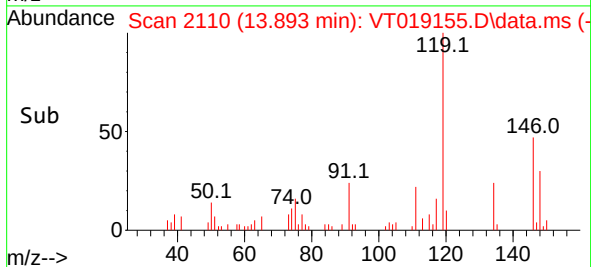
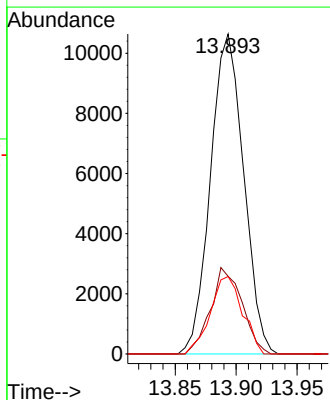
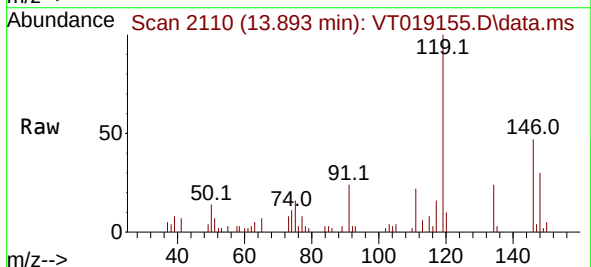
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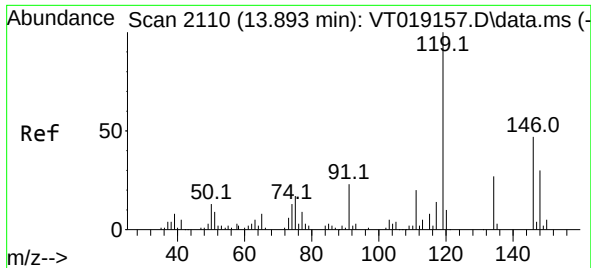
Reviewed By :John Carlone 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#82
 p-Isopropyltoluene
 Concen: 5.646 ug/l
 RT: 13.893 min Scan# 2110
 Delta R.T. 0.000 min
 Lab File: VT019155.D
 Acq: 22 Oct 2025 12:31

Tgt Ion:119 Resp: 20149
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 50.8
 91 23.5 0.0 51.0





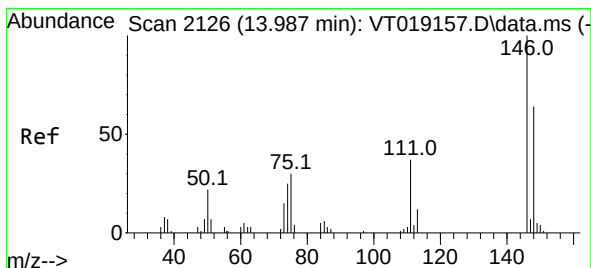
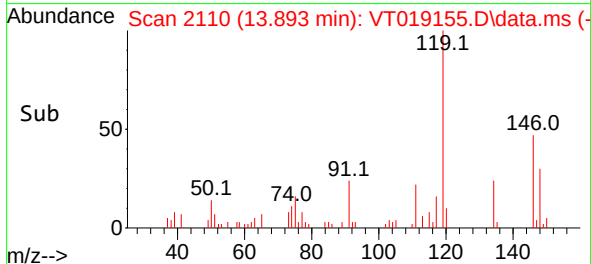
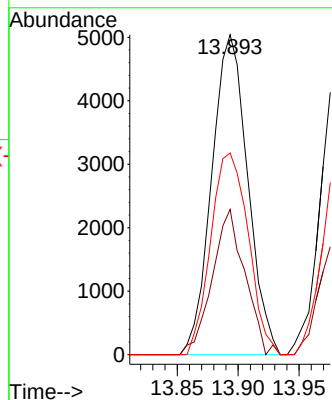
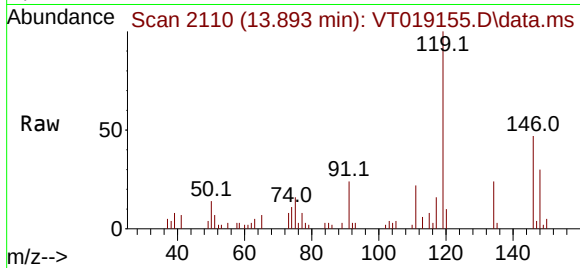
#83
1,3-Dichlorobenzene
Concen: 5.493 ug/l
RT: 13.893 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 10350
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 65.9 31.8 95.3

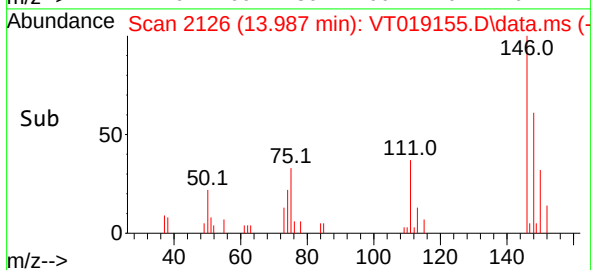
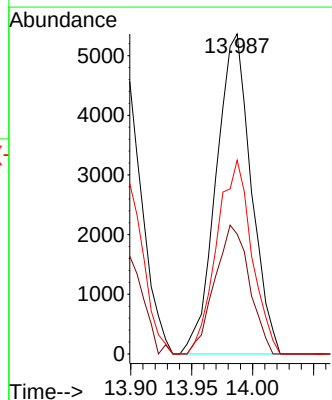
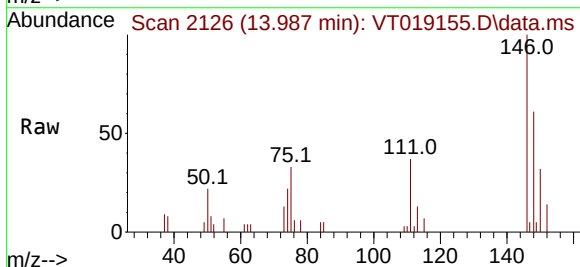
Manual Integrations
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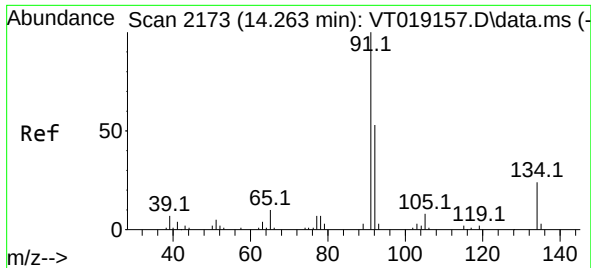
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#84
1,4-Dichlorobenzene
Concen: 5.661 ug/l
RT: 13.987 min Scan# 2126
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

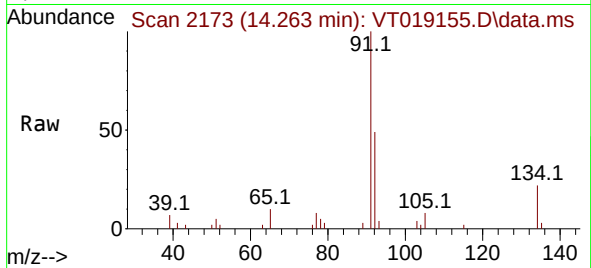
Tgt Ion:146 Resp: 10740
Ion Ratio Lower Upper
146 100
111 39.8 20.4 61.3
148 60.5 32.3 96.8





#85
n-Butylbenzene
Concen: 5.721 ug/l
RT: 14.263 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

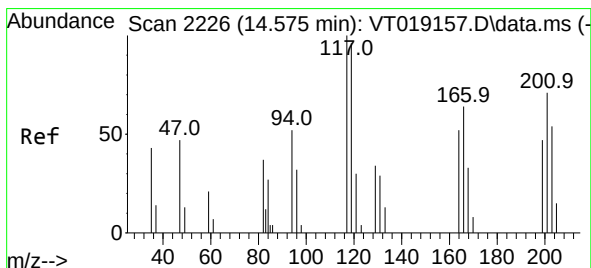
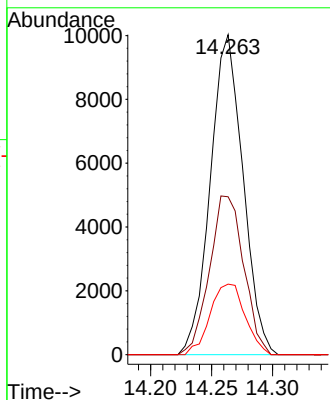
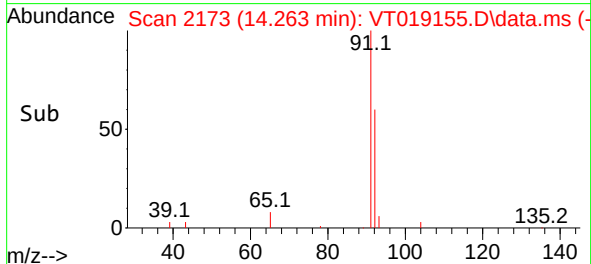
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion: 91 Resp: 1868
Ion Ratio Lower Upper
91 100
92 52.0 0.0 107.8
134 23.7 0.0 50.0

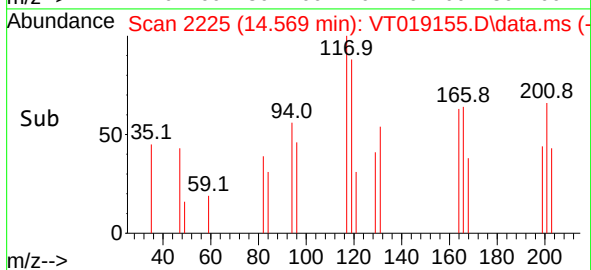
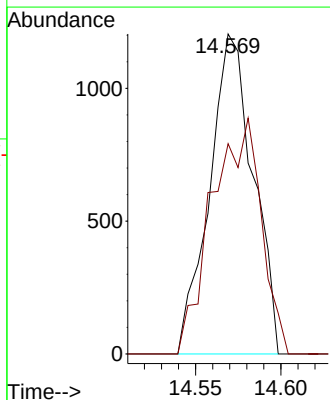
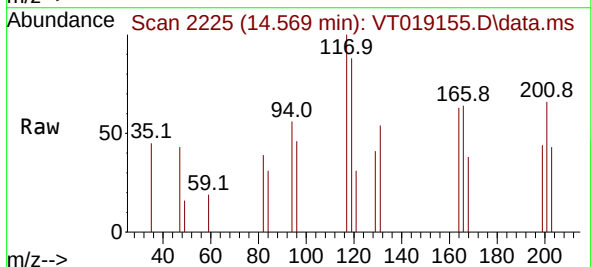
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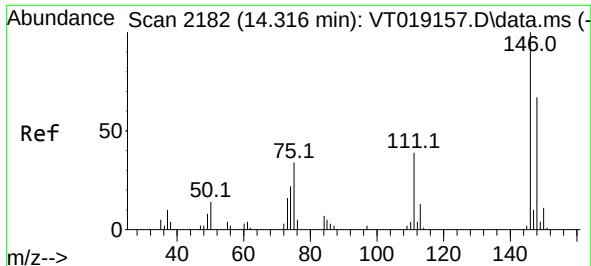
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#86
Hexachloroethane
Concen: 4.493 ug/l
RT: 14.569 min Scan# 2225
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

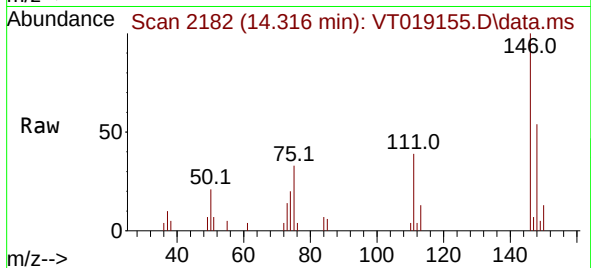
Tgt Ion:117 Resp: 2149
Ion Ratio Lower Upper
117 100
201 82.7 0.5 1.5#





#87
1,2-Dichlorobenzene
Concen: 5.460 ug/l
RT: 14.316 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

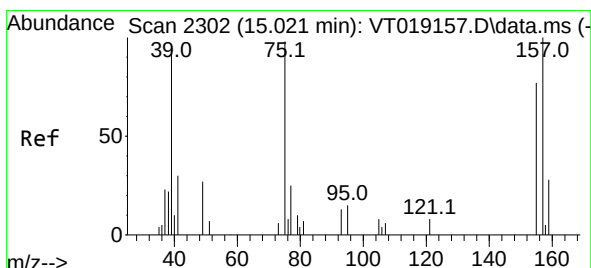
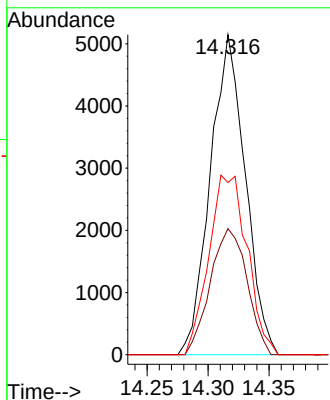
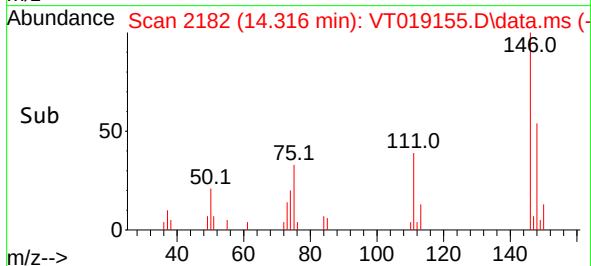
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 10279
Ion Ratio Lower Upper
146 100
111 41.3 21.8 65.3
148 61.5 32.4 97.0

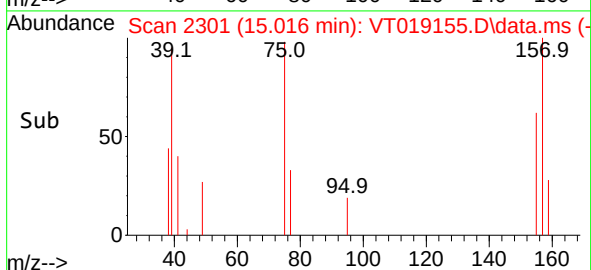
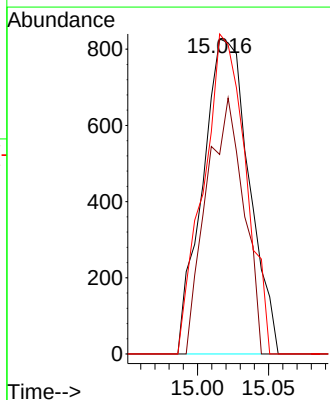
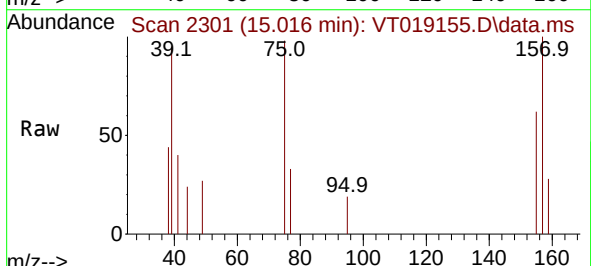
Manual Integrations
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Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 5.352 ug/l
RT: 15.016 min Scan# 2301
Delta R.T. -0.005 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

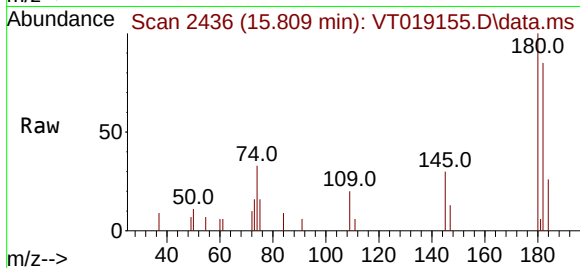
Tgt Ion: 75 Resp: 1885
Ion Ratio Lower Upper
75 100
155 65.3 65.4 98.2#
157 92.3 82.0 123.0





#89
1,2,4-Trichlorobenzene
Concen: 5.425 ug/l
RT: 15.809 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

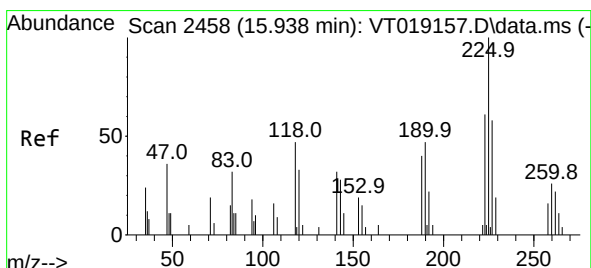
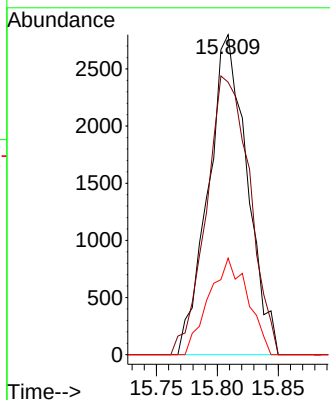
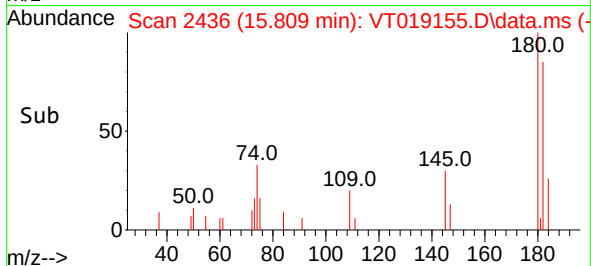
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005



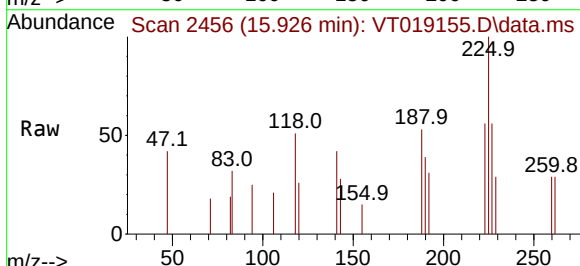
Tgt Ion:180 Resp: 621
Ion Ratio Lower Upper
180 100
182 96.8 78.2 117.2
145 30.2 26.5 39.7

Manual Integrations
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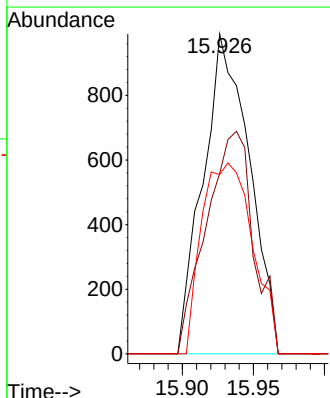
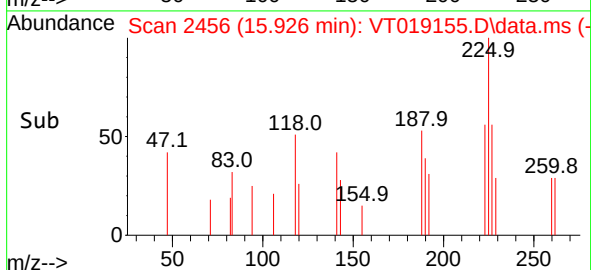
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

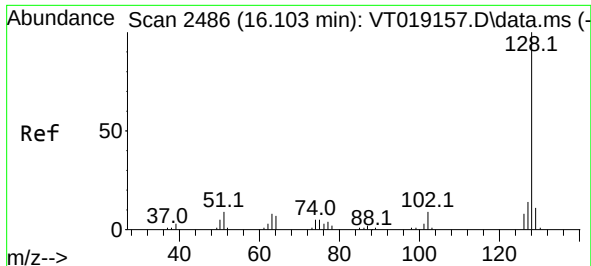


#90
Hexachlorobutadiene
Concen: 5.895 ug/l
RT: 15.926 min Scan# 2456
Delta R.T. -0.012 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



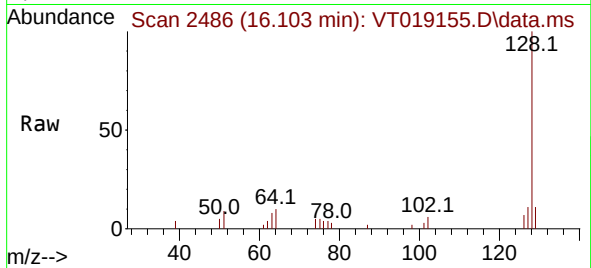
Tgt Ion:225 Resp: 2240
Ion Ratio Lower Upper
225 100
223 67.3 0.0 73.8
227 65.9 0.0 130.6





#91
Naphthalene
Concen: 5.359 ug/l
RT: 16.103 min Scan# 2486
Delta R.T. 0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31

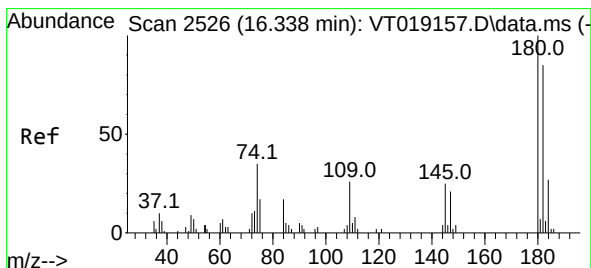
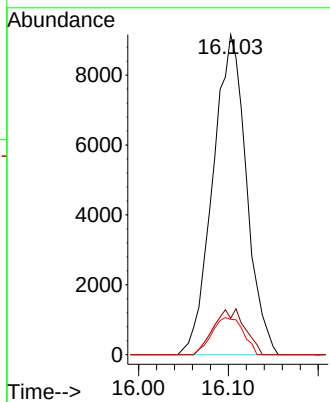
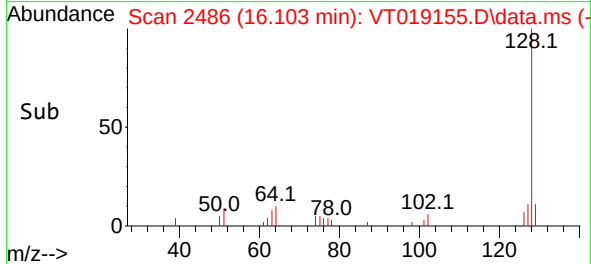
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005



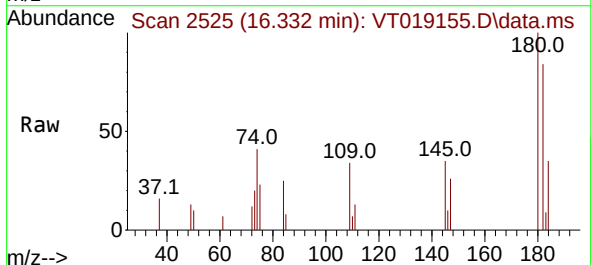
Tgt Ion:128 Resp: 23738
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5
129 10.8 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#92
1,2,3-Trichlorobenzene
Concen: 5.501 ug/l m
RT: 16.332 min Scan# 2525
Delta R.T. -0.006 min
Lab File: VT019155.D
Acq: 22 Oct 2025 12:31



Tgt Ion:180 Resp: 6363
Ion Ratio Lower Upper
180 100
182 93.3 0.0 189.0
145 28.3 0.0 69.2

