

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102325\
 Data File : VT019169.D
 Acq On : 23 Oct 2025 13:00
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 06:43:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:37:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.072	128	21211	30.000	ug/l	# 0.00
28) 1,4-Difluorobenzene	8.570	114	136642	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.743	117	109994	30.000	ug/l	-0.01
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.959	65	56640	30.479	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.600%	
60) 4-Bromofluorobenzene	12.877	95	48735	28.191	ug/l	-0.01
Spiked Amount	30.000	Range	63 - 112	Recovery	= 93.967%	
63) Toluene-d8	10.245	98	163023	30.451	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.878	85	1874	3.219	ug/l	96
3) Chloromethane	2.072	50	3911m	2.927	ug/l	
4) Vinyl Chloride	2.195	62	3835	2.568	ug/l	# 85
5) Bromomethane	2.548	94	3795	3.060	ug/l	94
6) Chloroethane	2.677	64	3240m	2.460	ug/l	
7) Trichlorofluoromethane	2.982	101	7082	2.924	ug/l	87
8) Diethyl Ether	3.353	74	3346	2.244	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.676	101	3104m	3.265	ug/l	
10) 1,1-Dichloroethene	3.664	96	2739m	2.876	ug/l	
11) Methyl Iodide	3.864	142	1807	1.947	ug/l	# 1
12) Methyl Acetate	4.216	43	6918	1.837	ug/l	# 82
13) Acrolein	3.541	56	2105	16.570	ug/l	# 44
14) Acrylonitrile	4.845	53	14535	12.520	ug/l	98
15) Acetone	3.746	58	5685m	13.744	ug/l	
16) Carbon Disulfide	3.958	76	5484	3.083	ug/l	# 75
17) Allyl chloride	4.210	41	6687m	2.953	ug/l	
18) Methylene Chloride	4.428	84	4397m	3.095	ug/l	
19) trans-1,2-Dichloroethene	6.684	96	3883	2.650	ug/l	94
20) Diisopropyl ether	5.803	45	14605	2.534	ug/l	# 64
21) 1,1-Dichloroethane	5.685	63	7116m	2.642	ug/l	
22) cis-1,2-Dichloroethene	6.684	96	3883	2.650	ug/l	89
23) tert-Butyl Alcohol	4.663	59	6610	12.996	ug/l	# 100
24) Methyl tert-Butyl Ether	4.898	73	13899m	2.428	ug/l	
25) Chloroform	7.254	83	6514	2.644	ug/l	# 84
26) Cyclohexane	7.554	56	4711	2.981	ug/l	# 67
29) 1,1-Dichloropropene	7.712	75	3994	2.793	ug/l	95
30) 2-Butanone	6.690	43	21715	12.321	ug/l	# 96
31) 2,2-Dichloropropane	6.678	77	5399	2.579	ug/l	100
32) 1,1,1-Trichloroethane	7.471	97	5014	2.783	ug/l	# 76
33) Carbon Tetrachloride	7.683	117	3186	2.760	ug/l	# 90
34) Benzene	7.971	78	14116	2.665	ug/l	# 1
35) Methacrylonitrile	7.037	41	3777	2.518	ug/l	82
36) 1,2-Dichloroethane	8.065	62	4903	2.497	ug/l	# 93
37) Trichloroethene	8.840	130	2614	2.682	ug/l	88
38) Methylcyclohexane	9.111	83	4591	3.188	ug/l	86
39) 1,2-Dichloropropane	9.164	63	3296	2.376	ug/l	# 90
40) Dibromomethane	9.263	93	1972	2.305	ug/l	# 75
41) Bromodichloromethane	10.785	83	2899	2.638	ug/l	# 89
42) Vinyl Acetate	5.738	43	56128	12.981	ug/l	100

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Instrument :
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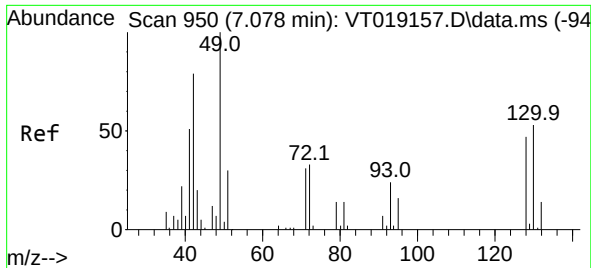
Manual Integrations
 APPROVED

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Quant Time: Oct 24 06:43:04 2025
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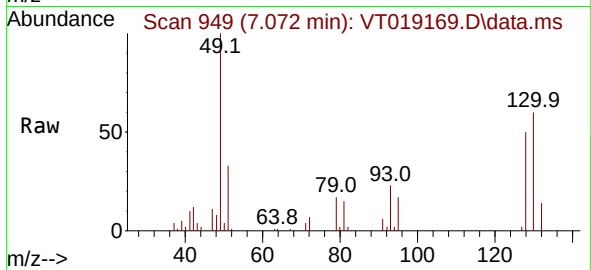
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.790	43	8011m	2.765	ug/l	
44) Isopropyl Acetate	8.106	43	10869	2.384	ug/l	100
45) 1,4-Dioxane	9.258	88	2076	52.482	ug/l #	81
46) Methyl methacrylate	9.246	41	4634	2.273	ug/l #	78
47) n-amyl Acetate	12.489	43	7342	2.393	ug/l	95
48) t-1,3-Dichloropropene	10.574	75	4887	2.451	ug/l	94
49) cis-1,3-Dichloropropene	9.963	75	4952	2.364	ug/l	96
50) 1,1,2-Trichloroethane	10.785	97	3199	2.543	ug/l #	88
51) Ethyl methacrylate	10.632	69	5523	2.342	ug/l	94
52) 1,3-Dichloropropane	10.944	76	5622	2.502	ug/l	97
53) Dibromochloromethane	11.161	129	2665	2.271	ug/l #	5
54) 1,2-Dibromoethane	11.285	107	2760	2.358	ug/l	97
55) 2-Chloroethyl vinyl ether	9.798	63	10425	15.159	ug/l	96
56) Bromoform	12.565	173	1631	2.114	ug/l #	32
58) 4-Methyl-2-Pentanone	10.127	43	33008	12.254	ug/l	98
59) 2-Hexanone	10.127	43	33008	12.254	ug/l #	82
61) Tetrachloroethene	10.856	164	2002	2.880	ug/l	94
62) Toluene	10.315	91	14084	2.859	ug/l	96
64) Chlorobenzene	11.772	112	8204	2.726	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.860	131	2383	2.431	ug/l	85
66) Ethyl Benzene	11.860	91	15094	2.819	ug/l	96
67) m/p-Xylenes	11.990	106	11295	5.675	ug/l	97
68) o-Xylene	12.354	106	5626	2.738	ug/l	88
69) Styrene	12.372	104	9238	2.505	ug/l	95
70) Isopropylbenzene	12.701	105	14986	2.974	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.983	83	5002	2.530	ug/l #	93
72) 1,2,3-Trichloropropane	13.047	75	4347m	2.978	ug/l	
73) Bromobenzene	13.018	156	3246	2.739	ug/l	67
74) n-propylbenzene	13.088	91	17457	2.873	ug/l	100
75) 2-Chlorotoluene	13.306	91	10164	2.732	ug/l	99
76) 1,3,5-Trimethylbenzene	13.247	105	12119	2.931	ug/l	99
77) t-1,4-Dichloro-2-butene	12.759	75	1441	2.032	ug/l	93
78) 4-Chlorotoluene	13.182	91	10025	2.732	ug/l	93
79) tert-butylbenzene	13.547	119	11276	3.071	ug/l	95
80) 1,2,4-Trimethylbenzene	13.600	105	12136	2.813	ug/l	97
81) sec-Butylbenzene	13.746	105	15337	2.899	ug/l	99
82) p-Isopropyltoluene	13.882	119	12256	2.784	ug/l	95
83) 1,3-Dichlorobenzene	13.882	146	6587	2.834	ug/l	98
84) 1,4-Dichlorobenzene	13.970	146	6380	2.727	ug/l	99
85) n-Butylbenzene	14.252	91	10926	2.712	ug/l	99
86) Hexachloroethane	14.563	117	1605	2.721	ug/l #	1
87) 1,2-Dichlorobenzene	14.305	146	6448	2.777	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	15.004	75	928	2.136	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.797	180	3850	2.724	ug/l	96
90) Hexachlorobutadiene	15.915	225	1506	3.214	ug/l	76
91) Naphthalene	16.079	128	15025	2.750	ug/l #	77
92) 1,2,3-Trichlorobenzene	16.314	180	4149	2.908	ug/l	86

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.072 min Scan# 94
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

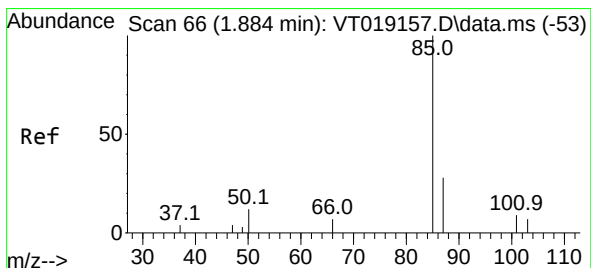
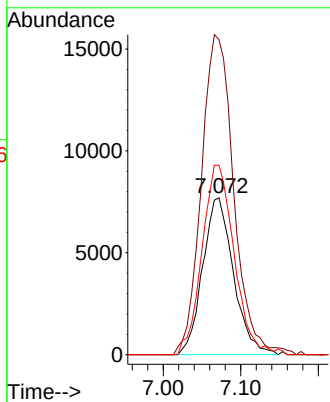
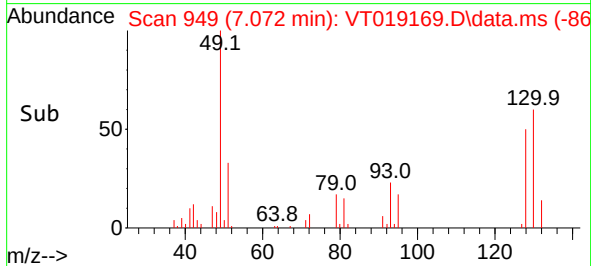
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion:128 Resp: 2121
Ion Ratio Lower Upper
128 100
49 212.7 0.0 0.0
130 124.5 0.0 0.0

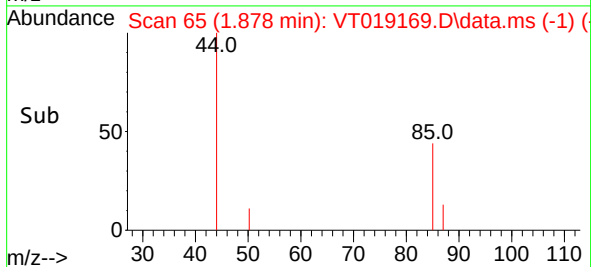
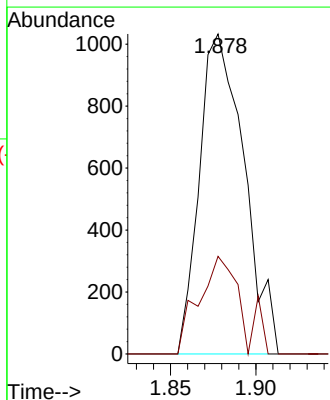
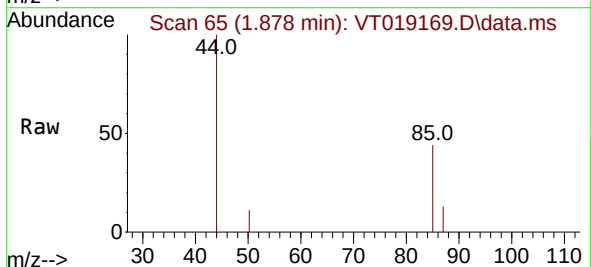
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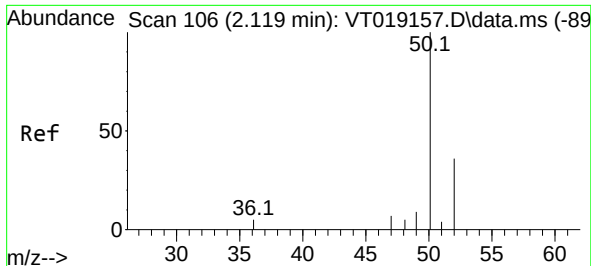
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#2
Dichlorodifluoromethane
Concen: 3.219 ug/l
RT: 1.878 min Scan# 65
Delta R.T. -0.000 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

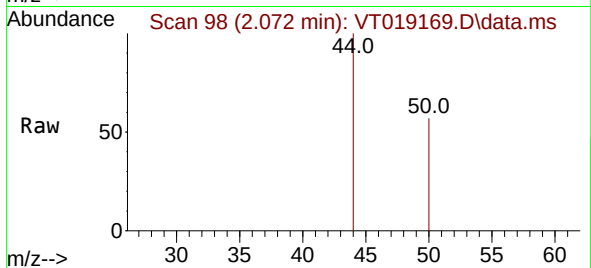
Tgt Ion: 85 Resp: 1874
Ion Ratio Lower Upper
85 100
87 30.5 16.4 49.1





#3
Chloromethane
Concen: 2.927 ug/l m
RT: 2.072 min Scan# 91
Delta R.T. -0.041 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

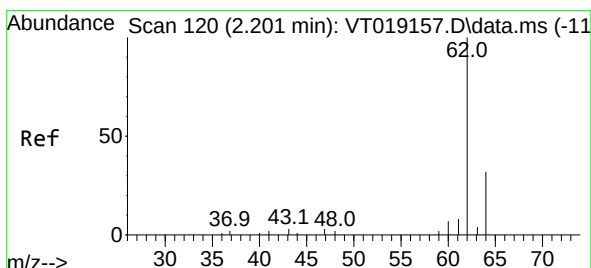
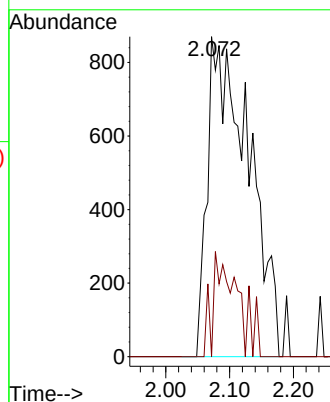
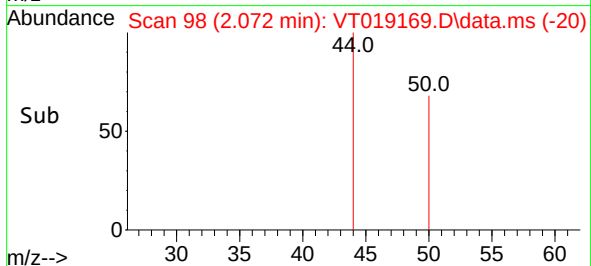
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 0.0 24.4 36.6

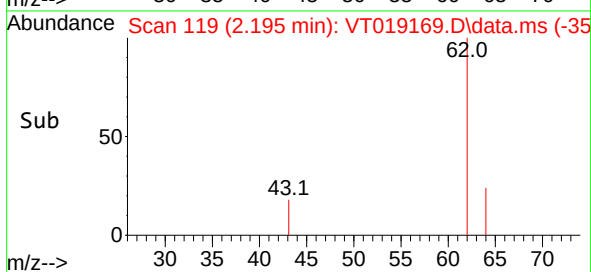
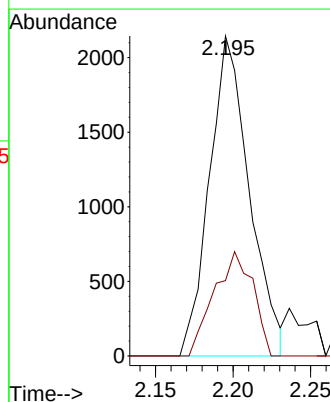
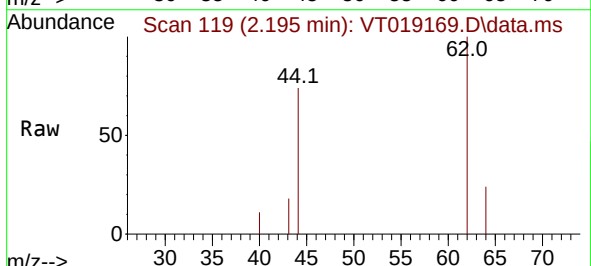
Manual Integrations
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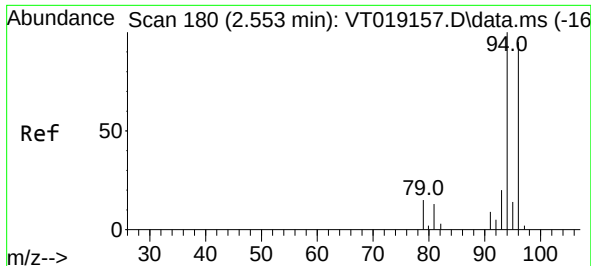
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#4
Vinyl Chloride
Concen: 2.568 ug/l
RT: 2.195 min Scan# 119
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

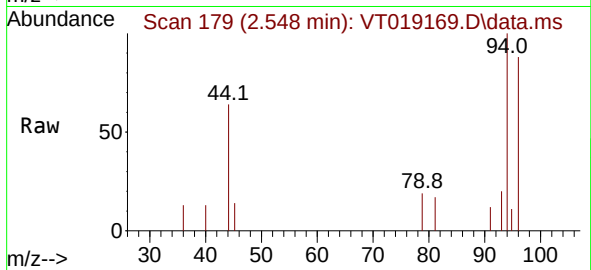
Tgt Ion: 62 Resp: 3835
Ion Ratio Lower Upper
62 100
64 23.5 25.7 38.5





#5
Bromomethane
Concen: 3.060 ug/l
RT: 2.548 min Scan# 11
Delta R.T. 0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

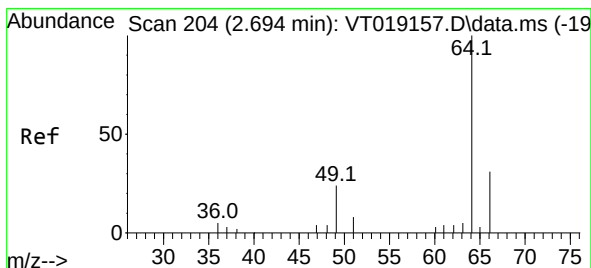
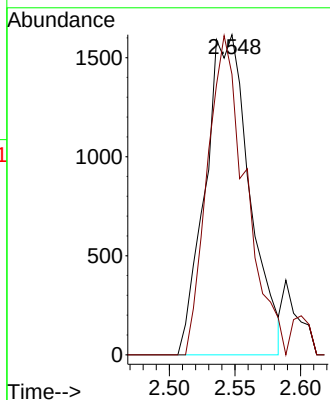
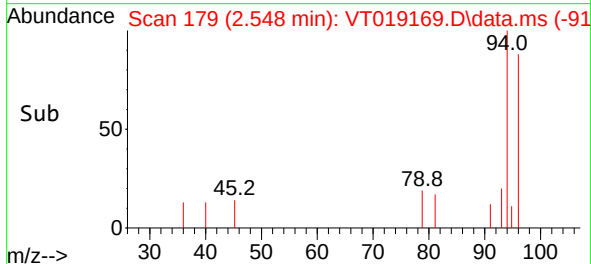
Instrument :
MSVOA_T
ClientSampleId :
MDL02



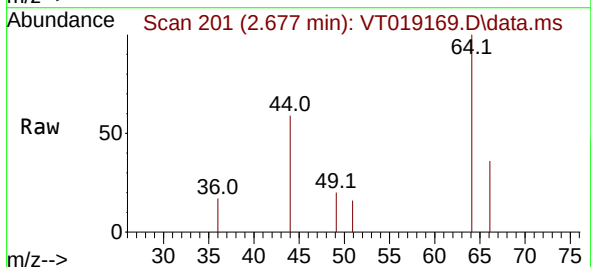
Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 87.6 66.0 99.0

Manual Integrations
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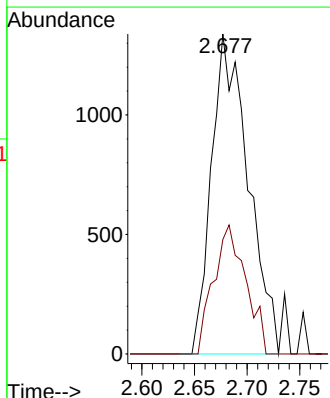
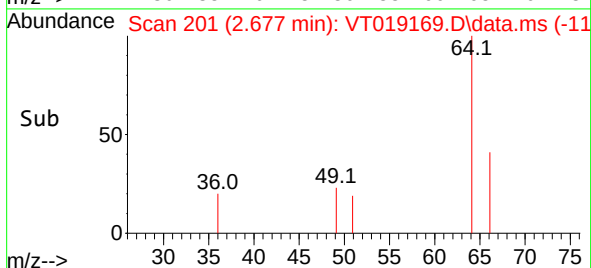
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

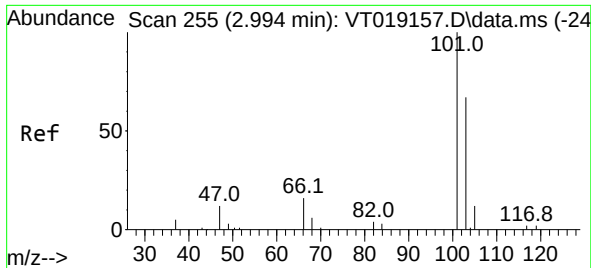


#6
Chloroethane
Concen: 2.460 ug/l m
RT: 2.677 min Scan# 201
Delta R.T. -0.000 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion: 64 Resp: 3240
Ion Ratio Lower Upper
64 100
66 35.8 24.3 36.5





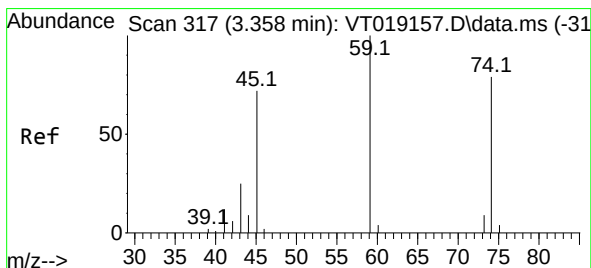
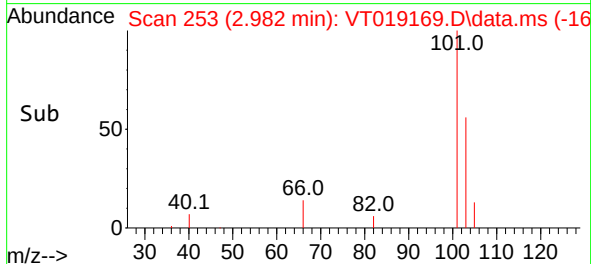
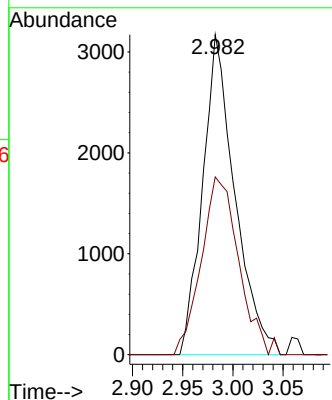
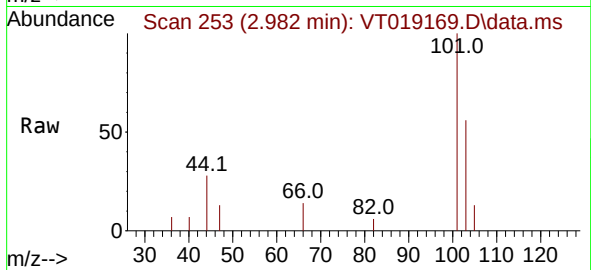
#7
 Trichlorofluoromethane
 Concen: 2.924 ug/l
 RT: 2.982 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

Instrument :
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Tgt Ion:101 Resp: 7082
 Ion Ratio Lower Upper
 101 100
 103 55.6 52.4 78.6

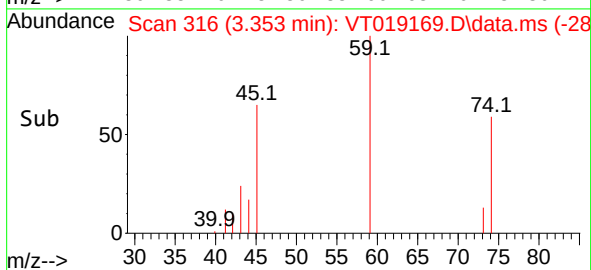
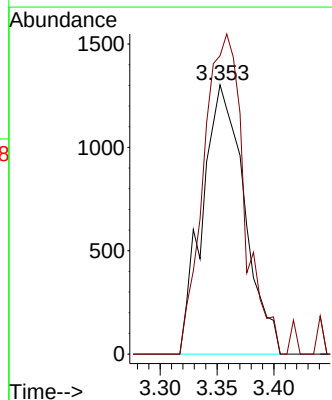
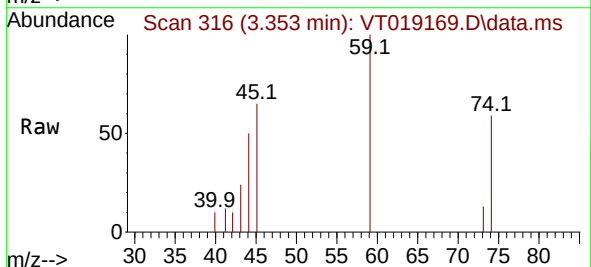
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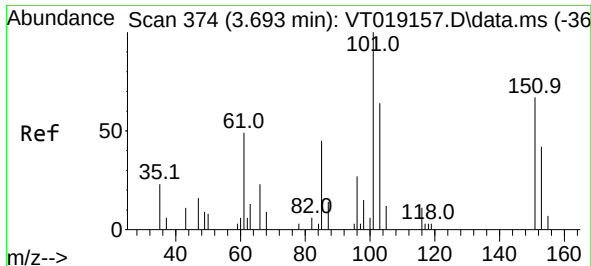
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#8
 Diethyl Ether
 Concen: 2.244 ug/l
 RT: 3.353 min Scan# 316
 Delta R.T. -0.005 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

Tgt Ion: 74 Resp: 3346
 Ion Ratio Lower Upper
 74 100
 45 114.9 22.0 197.6





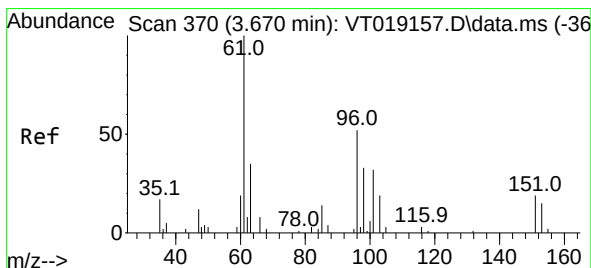
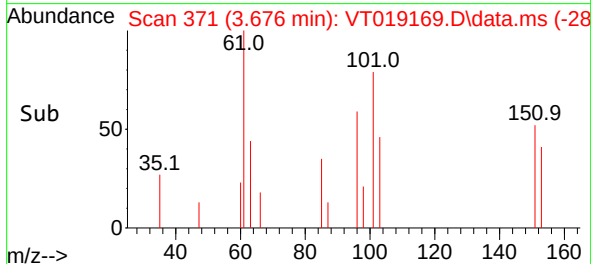
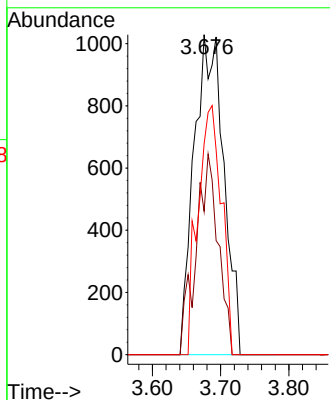
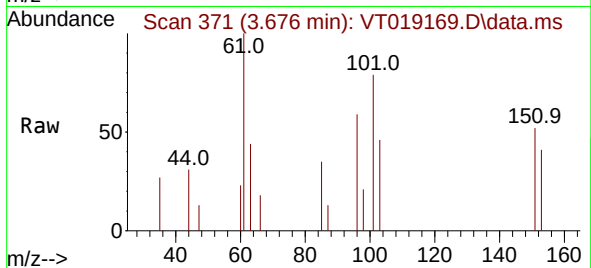
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.265 ug/l m
RT: 3.676 min Scan# 310
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:101 Resp: 3104
Ion Ratio Lower Upper
101 100
85 40.7 0.0 91.8
151 0.0 0.0 137.2

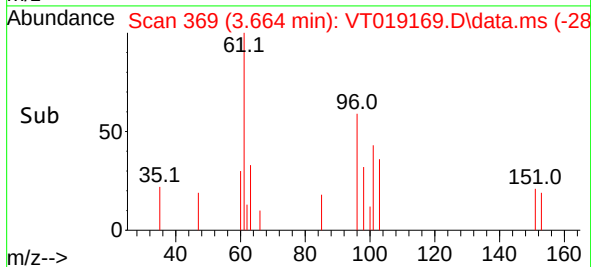
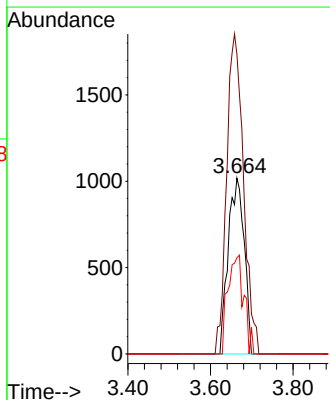
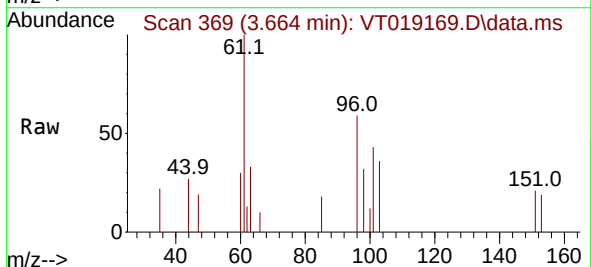
Manual Integrations
APPROVED

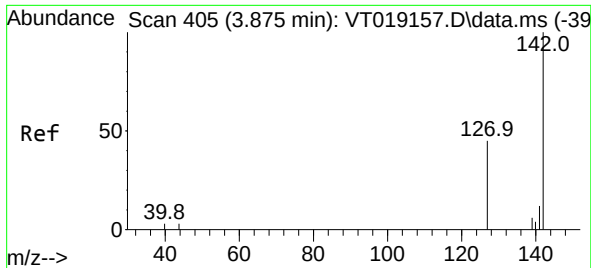
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#10
1,1-Dichloroethene
Concen: 2.876 ug/l m
RT: 3.664 min Scan# 369
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

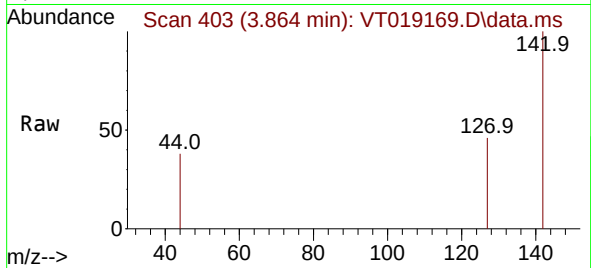
Tgt Ion: 96 Resp: 2739
Ion Ratio Lower Upper
96 100
61 170.4 145.5 218.3
98 54.7 49.5 74.3





#11
Methyl Iodide
Concen: 1.947 ug/l
RT: 3.864 min Scan# 405
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

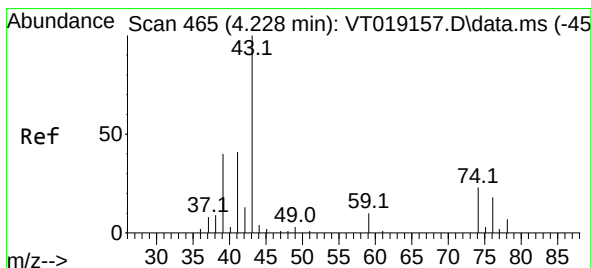
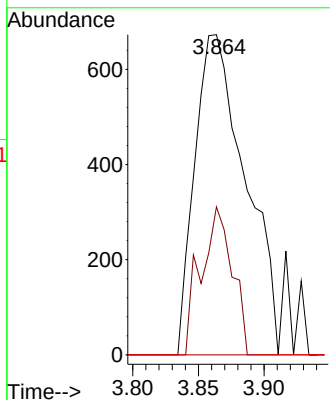
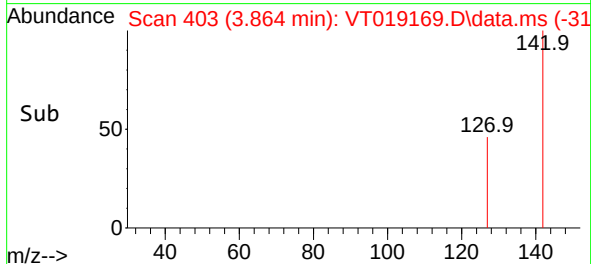
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 46.2 0.9 2.8
141 0.0 55.5 166.5

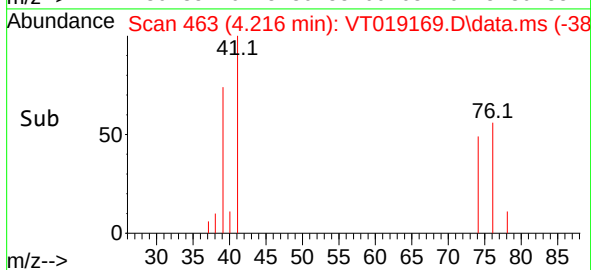
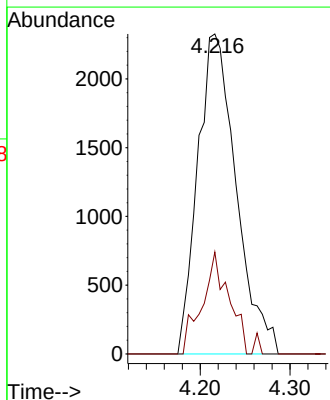
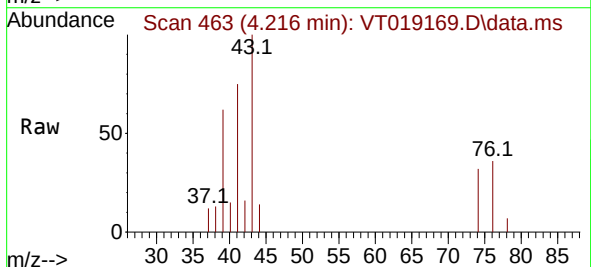
Manual Integrations
APPROVED

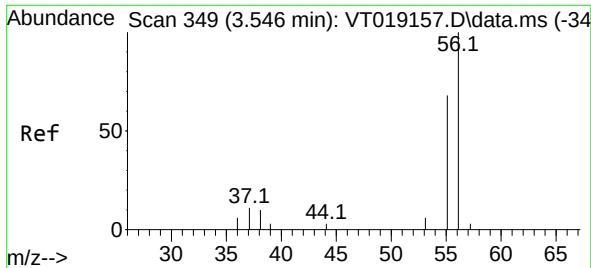
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#12
Methyl Acetate
Concen: 1.837 ug/l
RT: 4.216 min Scan# 463
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

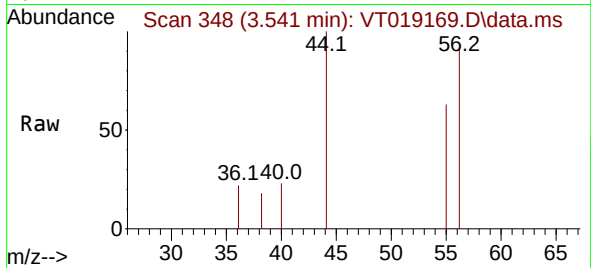
Tgt Ion: 43 Resp: 6918
Ion Ratio Lower Upper
43 100
74 31.8 18.4 27.6





#13
Acrolein
Concen: 16.570 ug/l
RT: 3.541 min Scan# 349
Delta R.T. -0.005 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

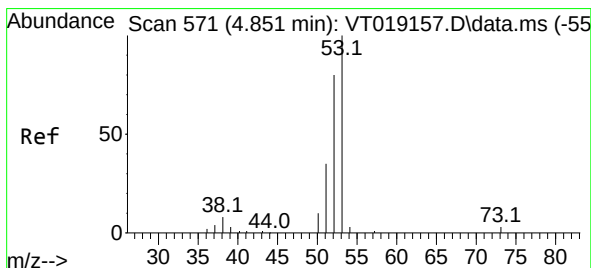
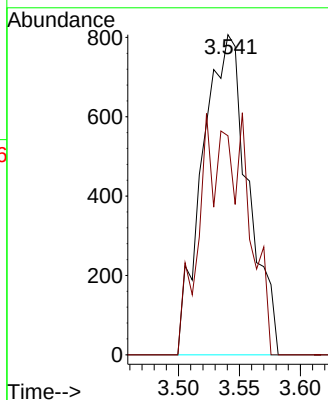
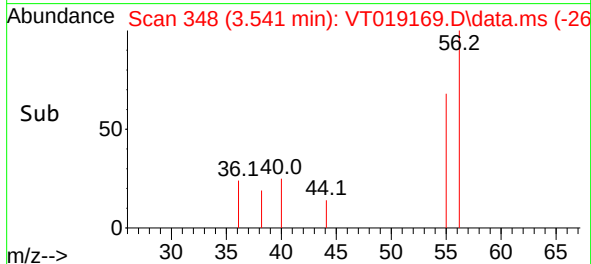
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 25.0 56.8 85.2

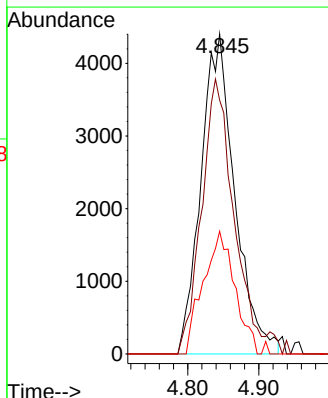
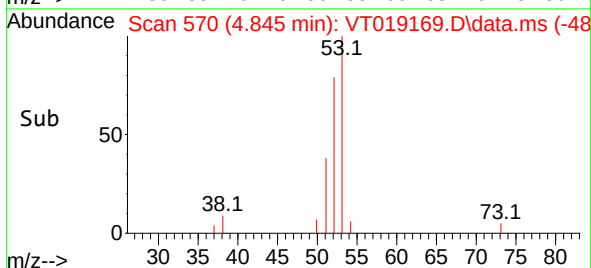
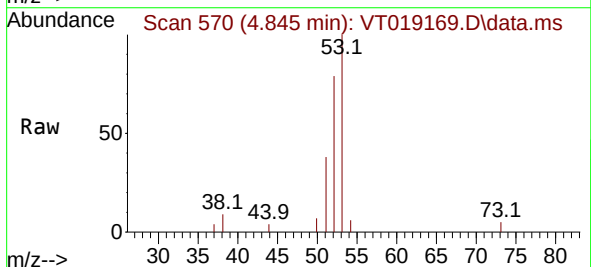
Manual Integrations
APPROVED

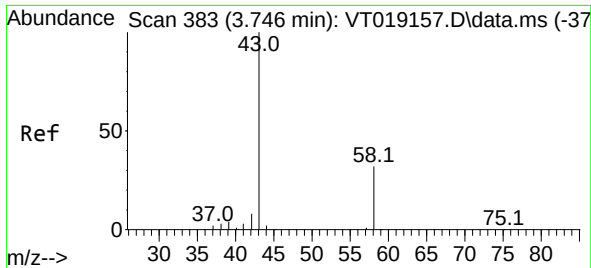
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#14
Acrylonitrile
Concen: 12.520 ug/l
RT: 4.845 min Scan# 570
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

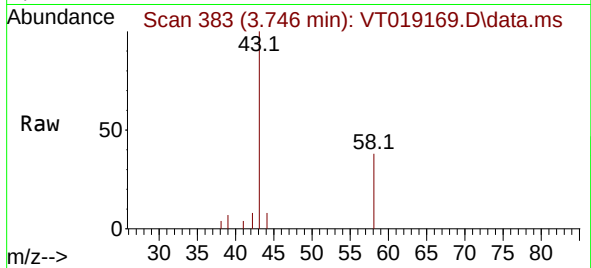
Tgt Ion: 53 Resp: 14535
Ion Ratio Lower Upper
53 100
52 81.5 41.3 123.7
51 35.8 17.2 51.5





#15
Acetone
Concen: 13.744 ug/l m
RT: 3.746 min Scan# 383
Delta R.T. 0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

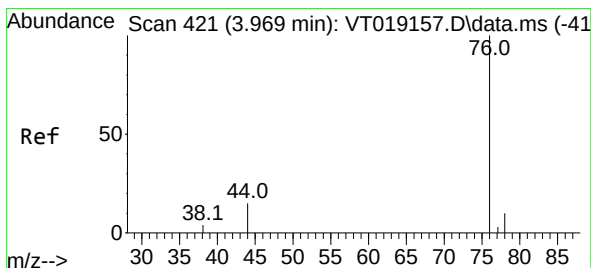
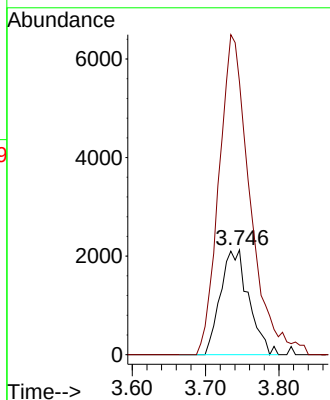
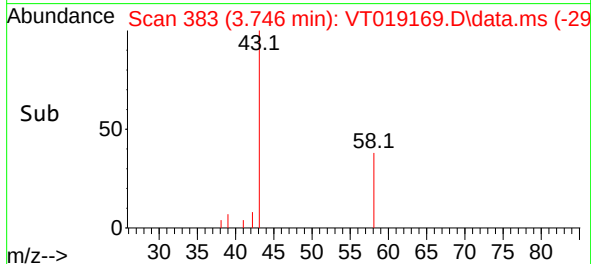
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 58 Resp: 5685
Ion Ratio Lower Upper
58 100
43 260.1 266.9 400.3

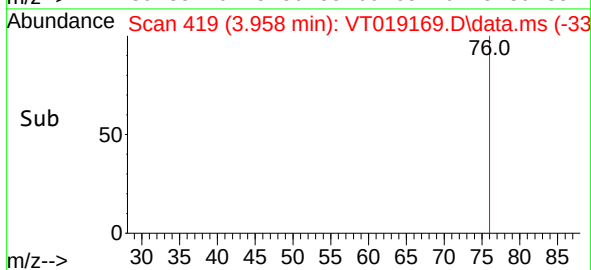
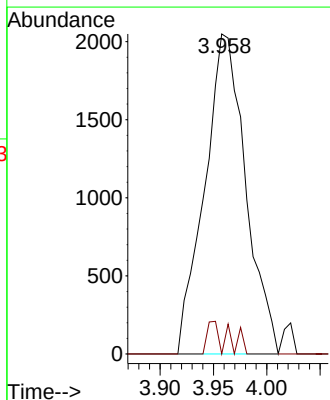
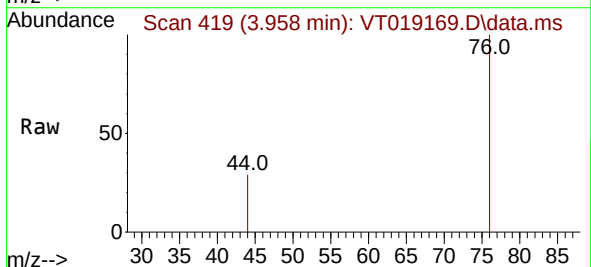
Manual Integrations
APPROVED

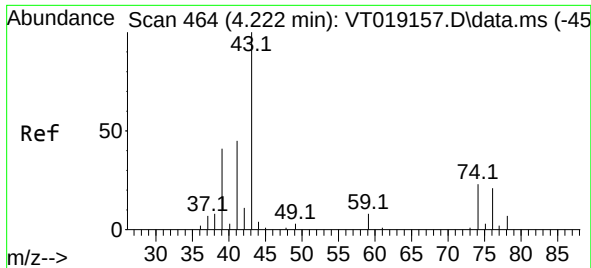
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#16
Carbon Disulfide
Concen: 3.083 ug/l
RT: 3.958 min Scan# 419
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

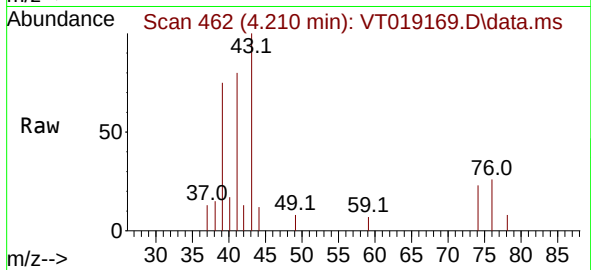
Tgt Ion: 76 Resp: 5484
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7





#17
 Allyl chloride
 Concen: 2.953 ug/l m
 RT: 4.210 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

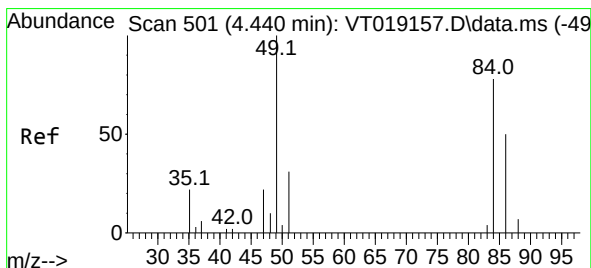
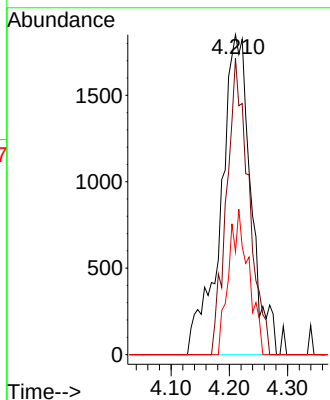
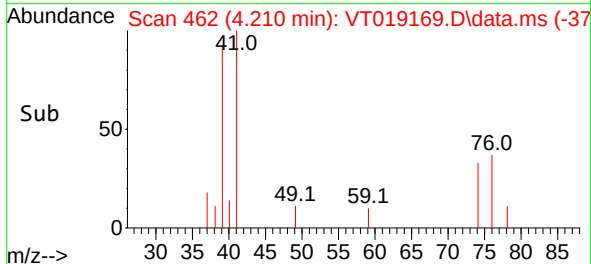
Instrument :
 MSVOA_T
 ClientSampleId :
 MDL02



Tgt Ion: 41 Resp: 668
 Ion Ratio Lower Upper
 41 100
 39 92.7 34.3 102.8
 76 32.1 16.7 50.0

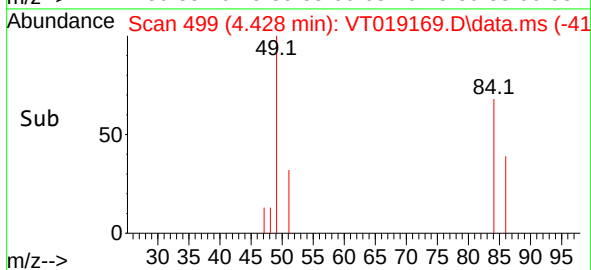
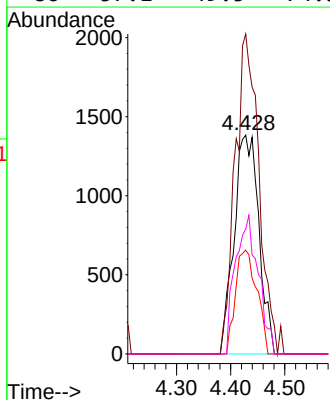
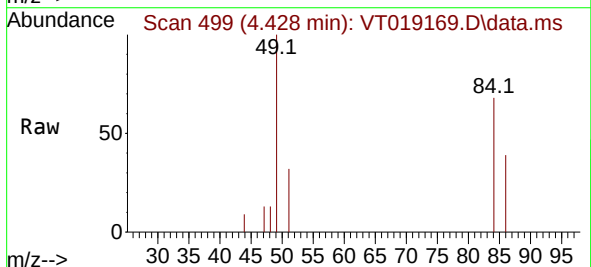
Manual Integrations
 APPROVED

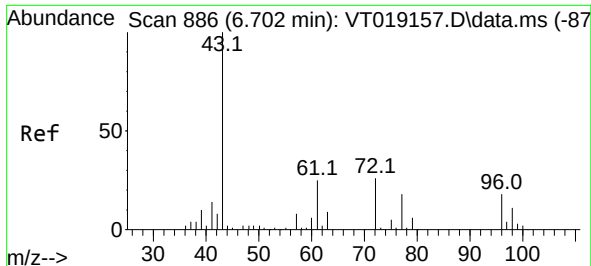
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#18
 Methylene Chloride
 Concen: 3.095 ug/l m
 RT: 4.428 min Scan# 499
 Delta R.T. -0.000 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

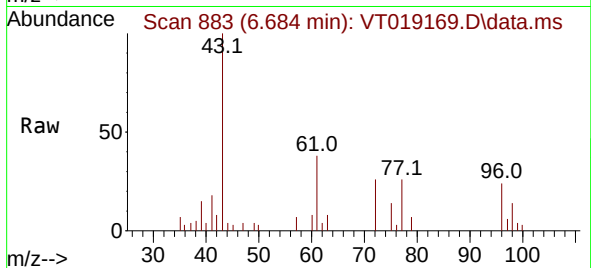
Tgt Ion: 84 Resp: 4397
 Ion Ratio Lower Upper
 84 100
 49 146.2 107.9 161.9
 51 47.4 33.4 50.2
 86 57.1 49.5 74.3





#19
trans-1,2-Dichloroethene
Concen: 2.650 ug/l
RT: 6.684 min Scan# 886
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

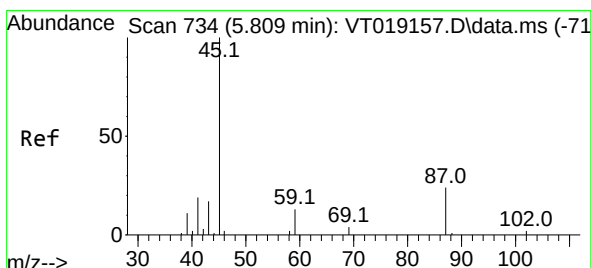
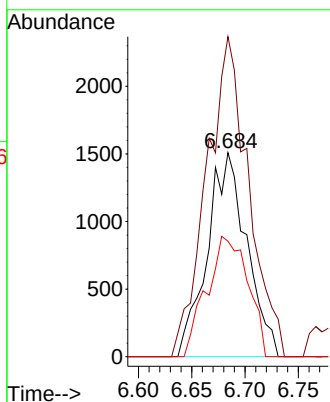
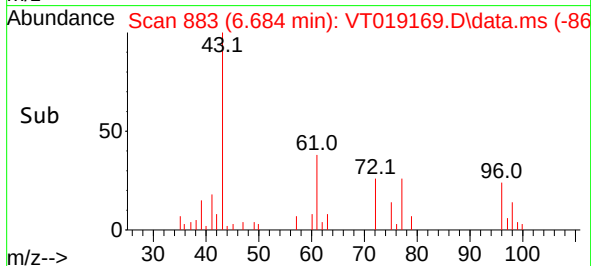
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 96 Resp: 388
Ion Ratio Lower Upper
96 100
61 145.3 122.3 183.5
98 56.7 50.2 75.2

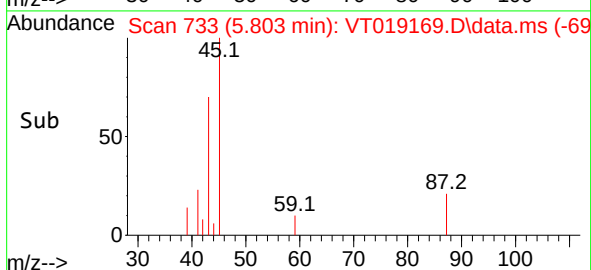
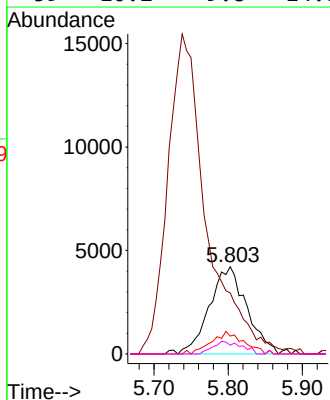
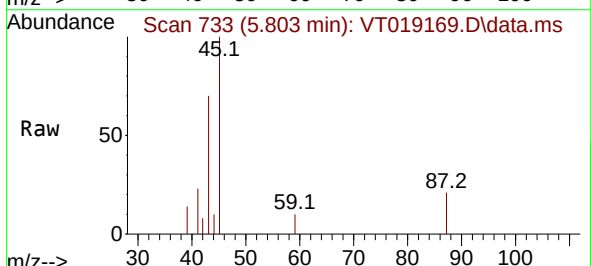
Manual Integrations
APPROVED

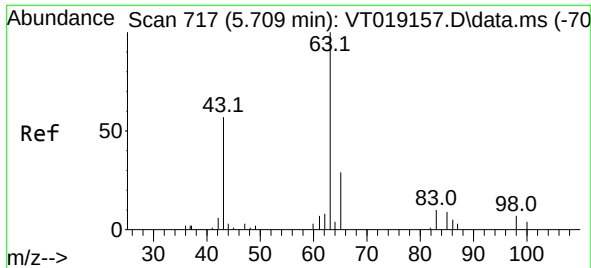
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Diisopropyl ether
Concen: 2.534 ug/l
RT: 5.803 min Scan# 733
Delta R.T. -0.000 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 45 Resp: 14605
Ion Ratio Lower Upper
45 100
43 63.7 89.1 133.7#
87 20.6 21.3 31.9#
59 10.2 9.8 14.8





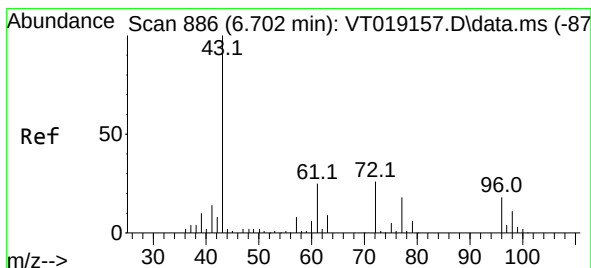
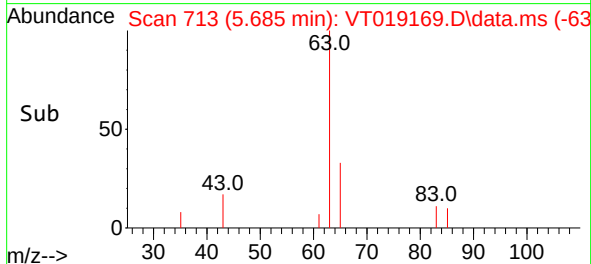
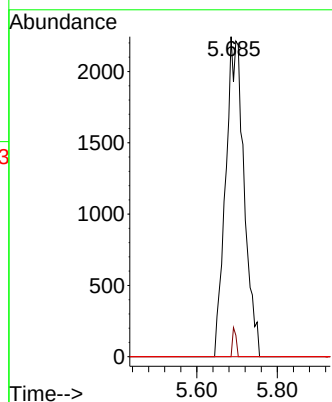
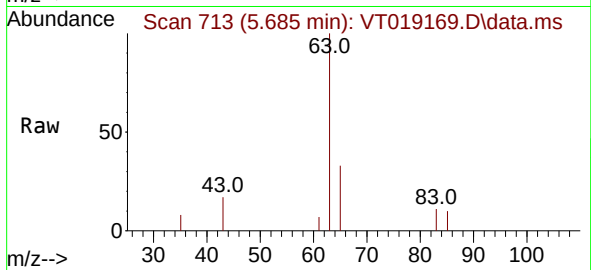
#21
1,1-Dichloroethane
Concen: 2.642 ug/l m
RT: 5.685 min Scan# 713
Delta R.T. -0.024 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 63 Resp: 7110
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5
100 0.0 2.2 6.6

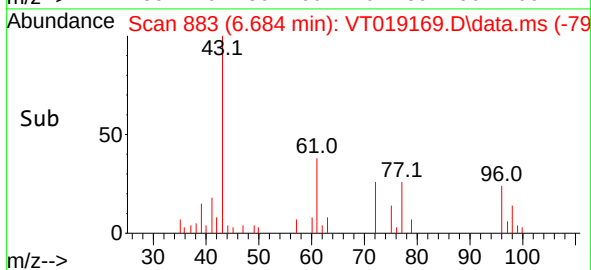
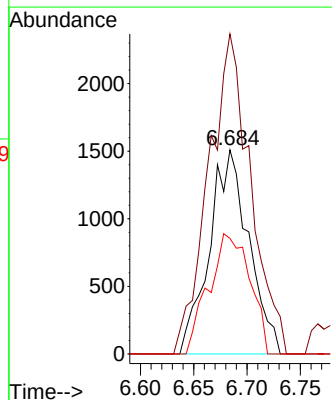
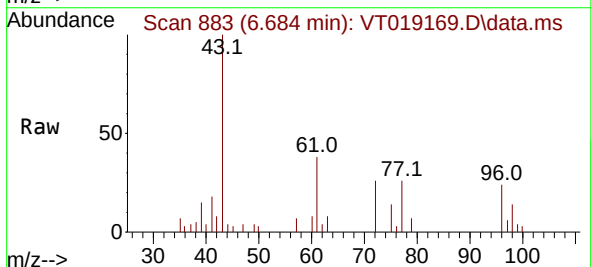
Manual Integrations
APPROVED

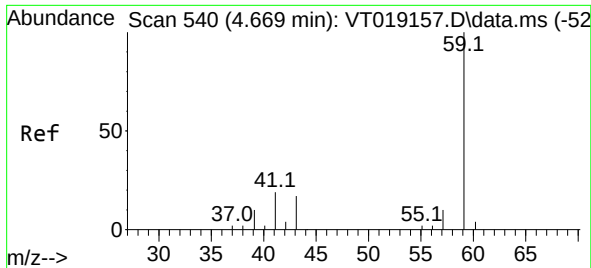
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#22
cis-1,2-Dichloroethene
Concen: 2.650 ug/l
RT: 6.684 min Scan# 883
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

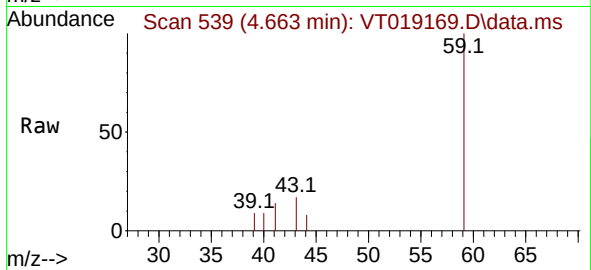
Tgt Ion: 96 Resp: 3883
Ion Ratio Lower Upper
96 100
61 167.0 120.0 180.0
98 61.6 52.8 79.2





#23
tert-Butyl Alcohol
Concen: 12.996 ug/l
RT: 4.663 min Scan# 510
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

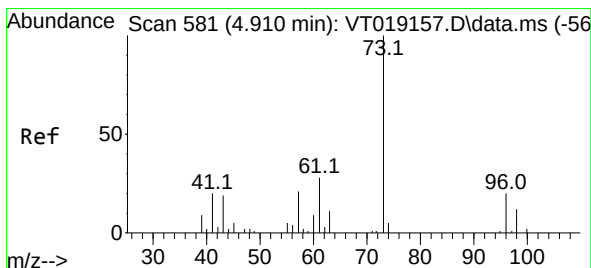
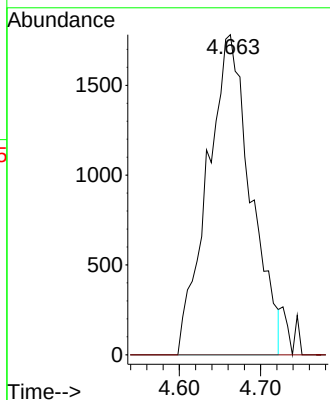
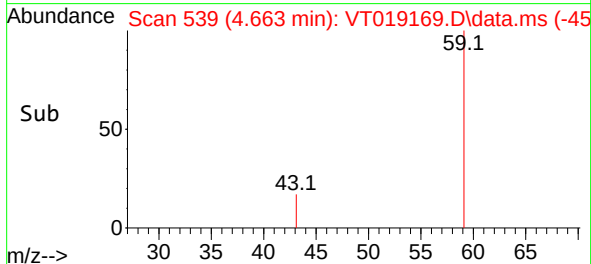
Instrument :
MSVOA_T
ClientSampleId :
MDL02



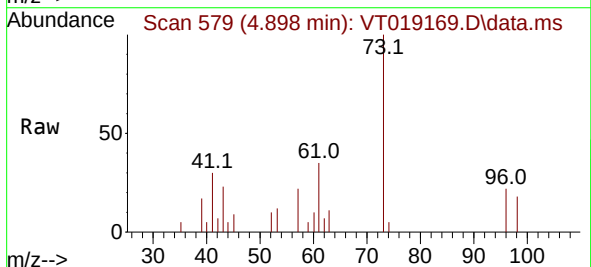
Tgt Ion: 59 Resp: 6610
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.25

Manual Integrations
APPROVED

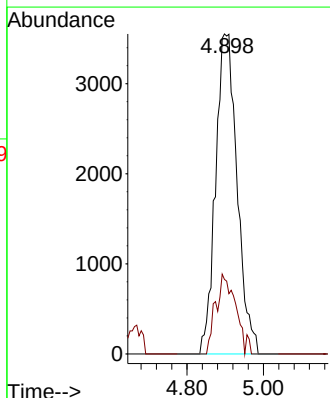
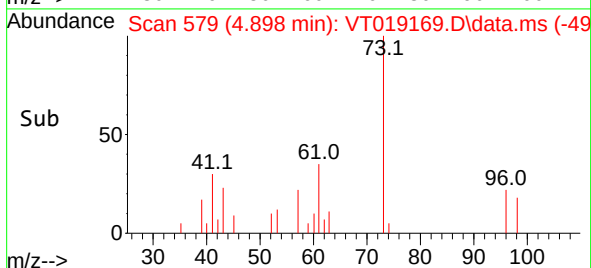
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

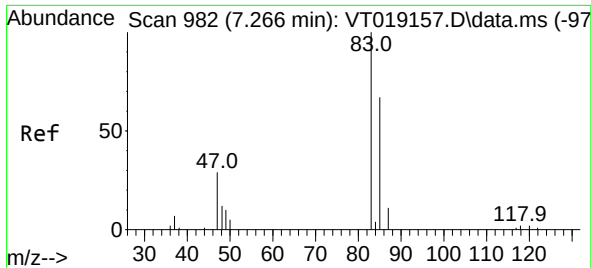


#24
Methyl tert-Butyl Ether
Concen: 2.428 ug/l m
RT: 4.898 min Scan# 579
Delta R.T. -0.023 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion: 73 Resp: 13899
Ion Ratio Lower Upper
73 100
43 4.6 16.9 25.3#





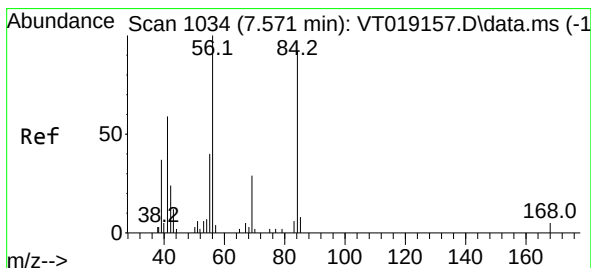
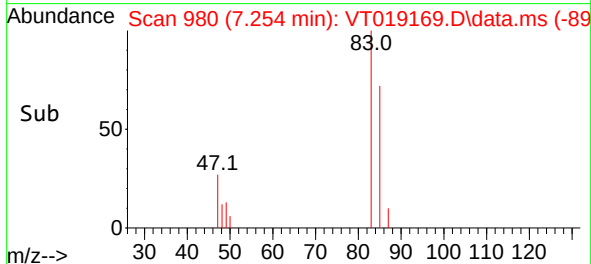
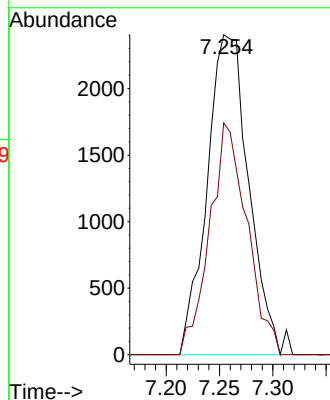
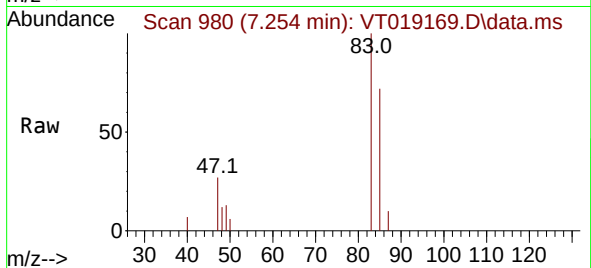
#25
Chloroform
Concen: 2.644 ug/l
RT: 7.254 min Scan# 901
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 83 Resp: 6514
Ion Ratio Lower Upper
83 100
85 72.4 48.0 72.0

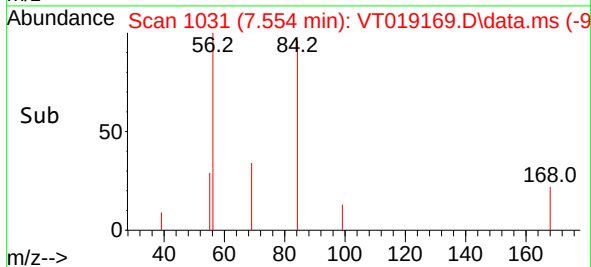
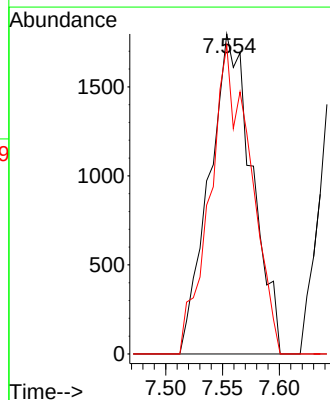
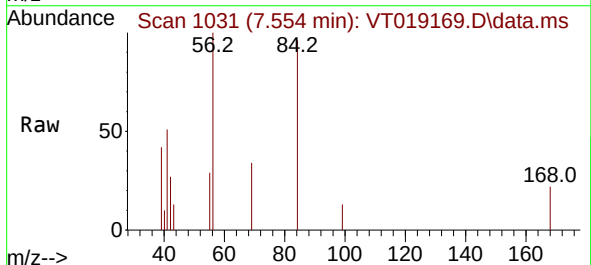
Manual Integrations
APPROVED

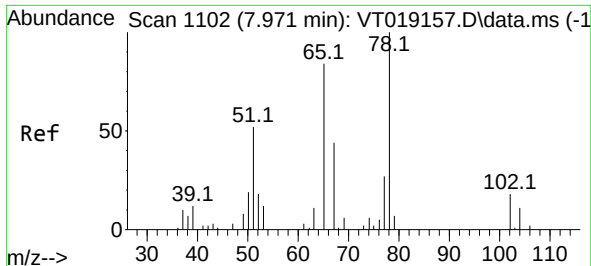
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#26
Cyclohexane
Concen: 2.981 ug/l
RT: 7.554 min Scan# 1031
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 56 Resp: 4711
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 54.6 67.9 101.9





#27

1,2-Dichloroethane-d4

Concen: 30.479 ug/l

RT: 7.959 min Scan# 1100

Delta R.T. -0.012 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

Instrument :

MSVOA_T

ClientSampleId :

MDL02

Tgt Ion: 65 Resp: 56640

Ion Ratio Lower Upper

65 100

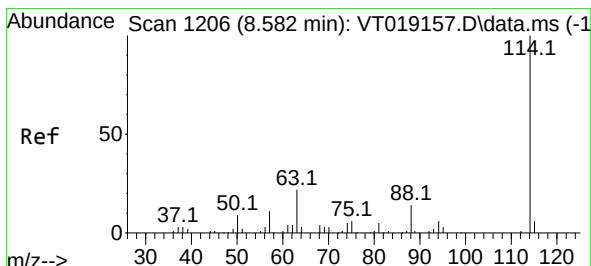
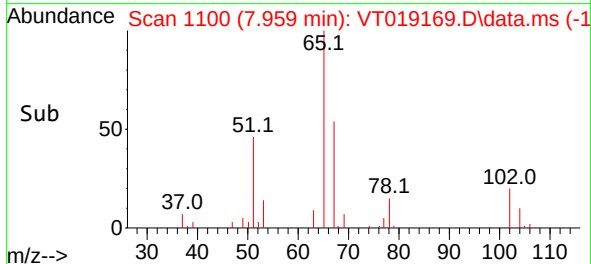
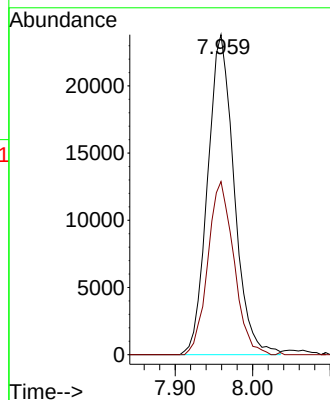
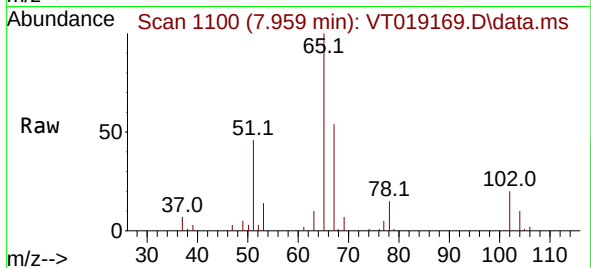
67 53.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.570 min Scan# 1204

Delta R.T. -0.006 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

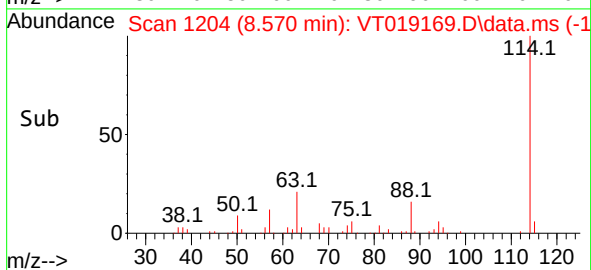
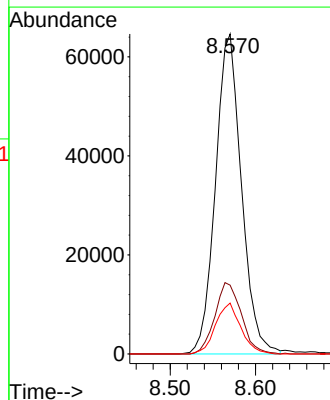
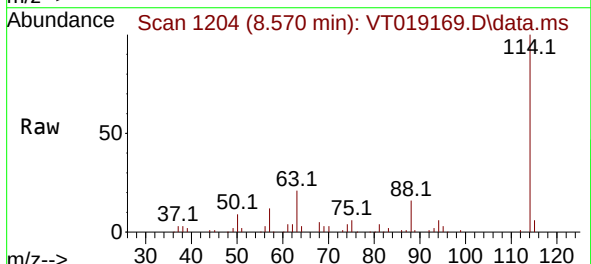
Tgt Ion:114 Resp: 136642

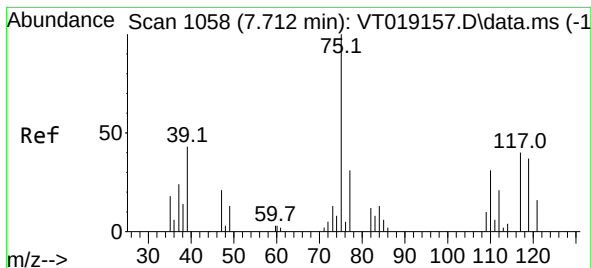
Ion Ratio Lower Upper

114 100

63 22.7 17.4 26.0

88 15.5 13.0 19.6





#29

1,1-Dichloropropene

Concen: 2.793 ug/l

RT: 7.712 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

Instrument :

MSVOA_T

ClientSampleId :

MDL02

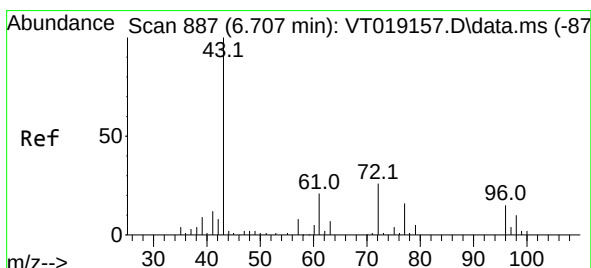
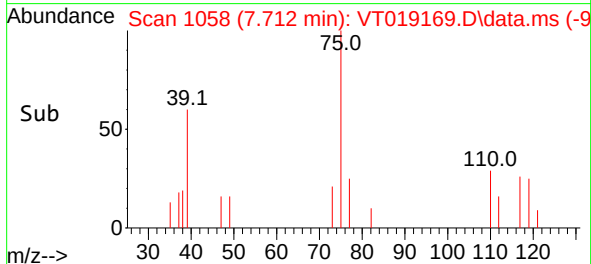
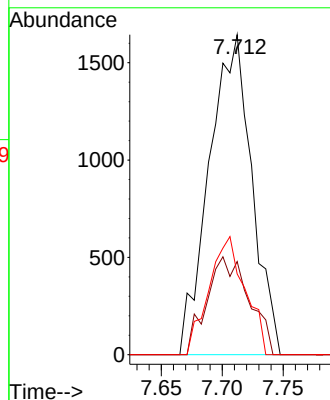
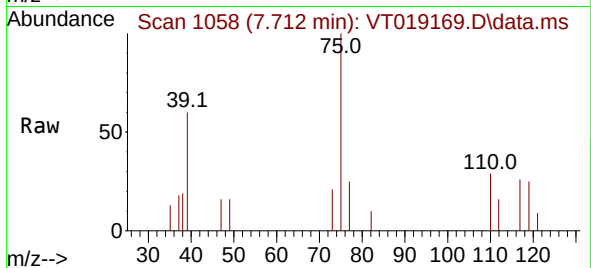
Tgt Ion:	75	Resp:	3994
Ion	Ratio	Lower	Upper
75	100		
110	30.5	0.0	70.8
77	31.4	0.0	61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#30

2-Butanone

Concen: 12.321 ug/l

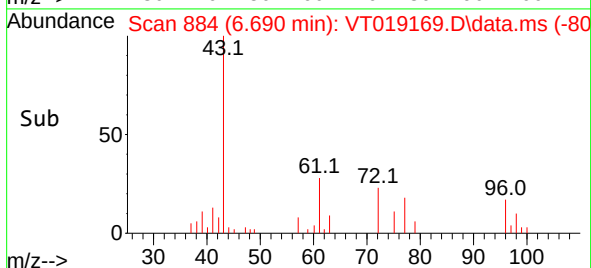
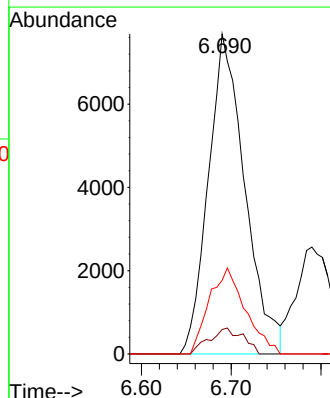
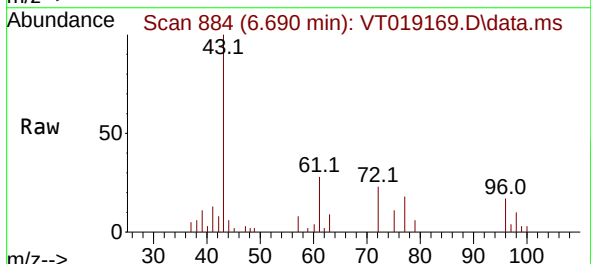
RT: 6.690 min Scan# 884

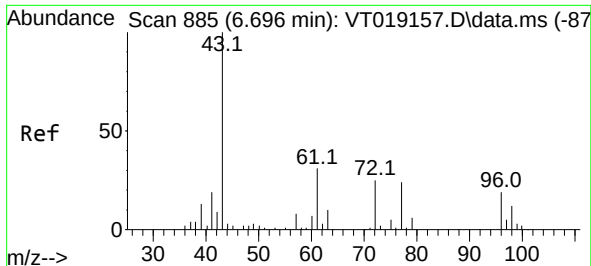
Delta R.T. -0.012 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

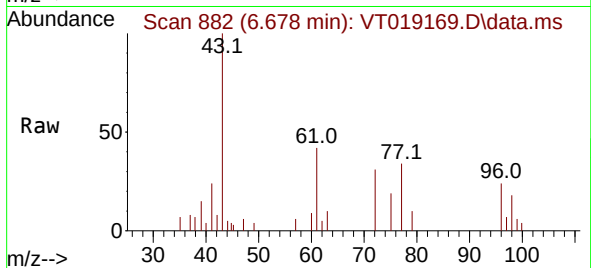
Tgt Ion:	43	Resp:	21715
Ion	Ratio	Lower	Upper
43	100		
57	5.2	5.9	8.9#
72	26.6	20.2	30.2





#31
2,2-Dichloropropane
Concen: 2.579 ug/l
RT: 6.678 min Scan# 81
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

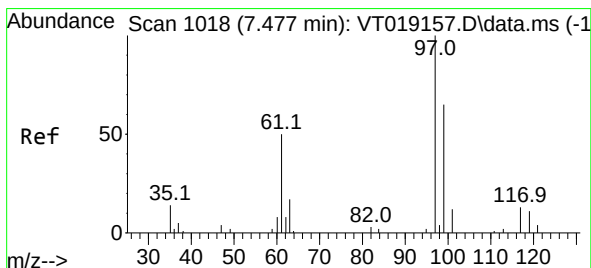
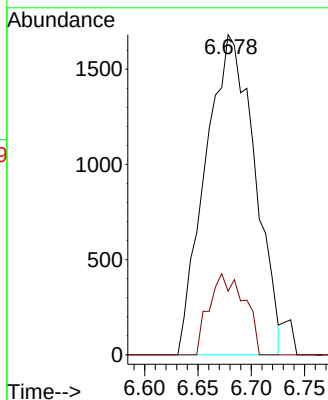
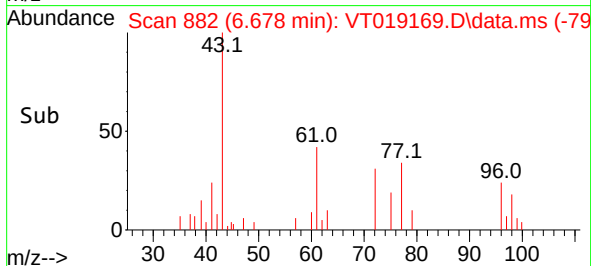
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 77 Resp: 539
Ion Ratio Lower Upper
77 100
97 18.1 14.5 21.7

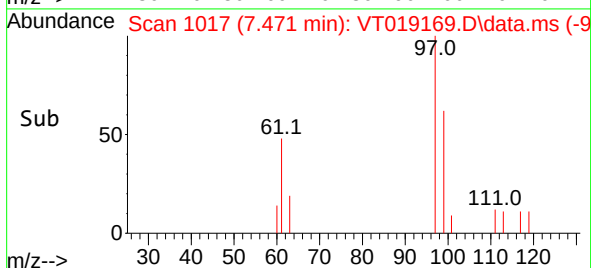
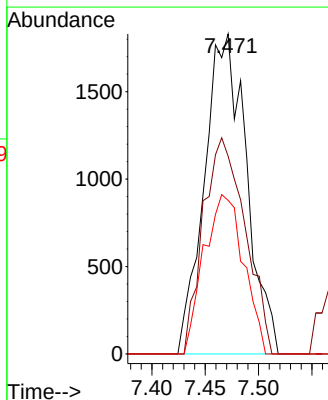
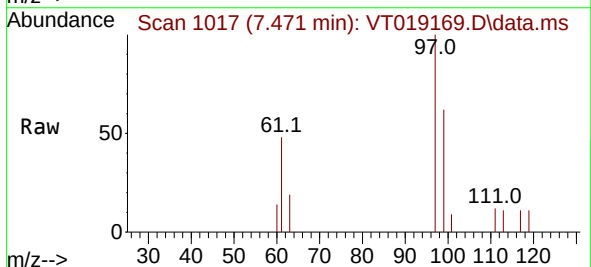
Manual Integrations
APPROVED

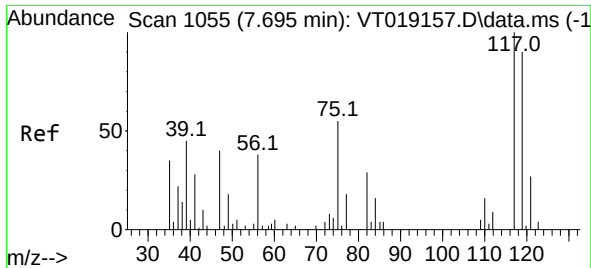
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#32
1,1,1-Trichloroethane
Concen: 2.783 ug/l
RT: 7.471 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

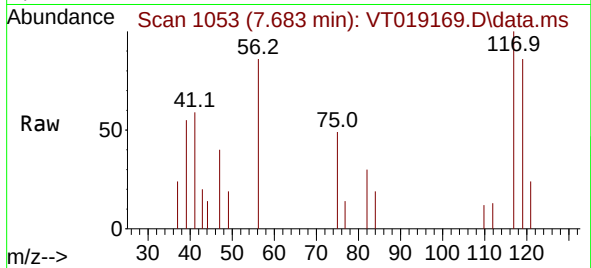
Tgt Ion: 97 Resp: 5014
Ion Ratio Lower Upper
97 100
99 67.5 30.0 45.0#
61 47.0 36.1 54.1





#33
Carbon Tetrachloride
Concen: 2.760 ug/l
RT: 7.683 min Scan# 1100
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

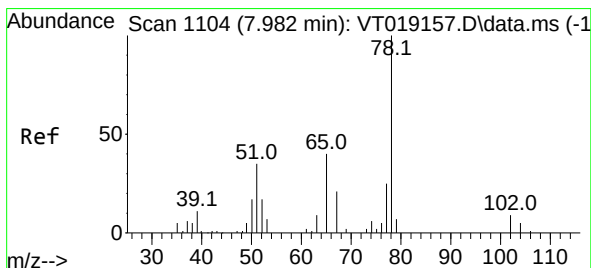
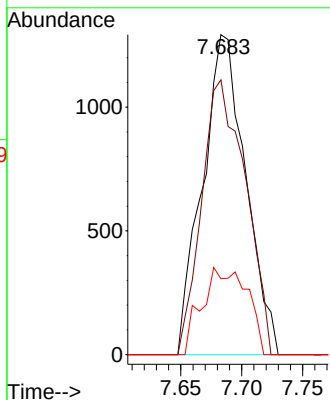
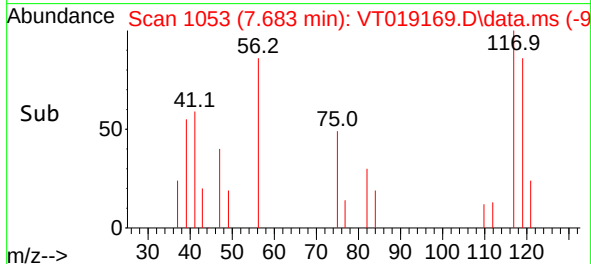
Instrument :
MSVOA_T
ClientSampleId :
MDL02



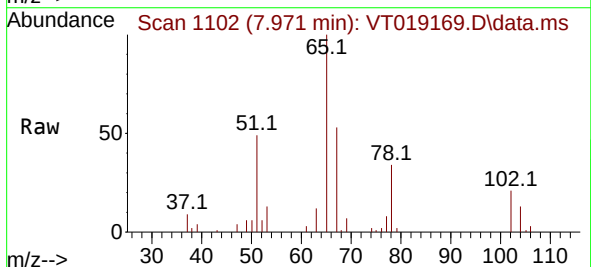
Tgt Ion: 117 Resp: 3180
Ion Ratio Lower Upper
117 100
119 85.9 76.5 114.7
121 23.7 0.5 0.7

Manual Integrations
APPROVED

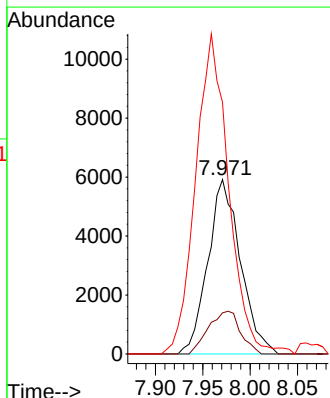
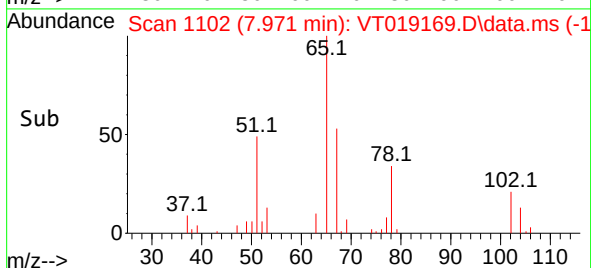
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

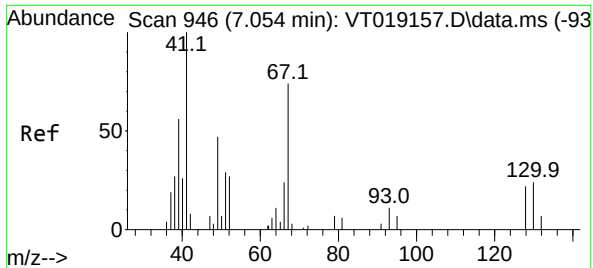


#34
Benzene
Concen: 2.665 ug/l
RT: 7.971 min Scan# 1102
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



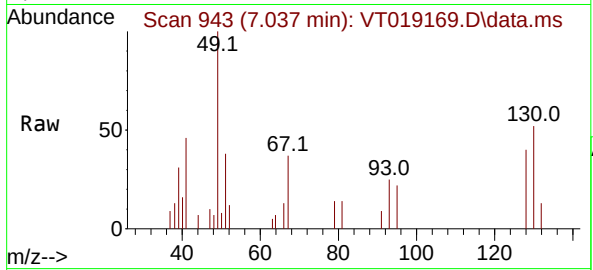
Tgt Ion: 78 Resp: 14116
Ion Ratio Lower Upper
78 100
77 23.6 17.6 26.4
51 141.0 13.8 20.6





#35
Methacrylonitrile
Concen: 2.518 ug/l
RT: 7.037 min Scan# 946
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

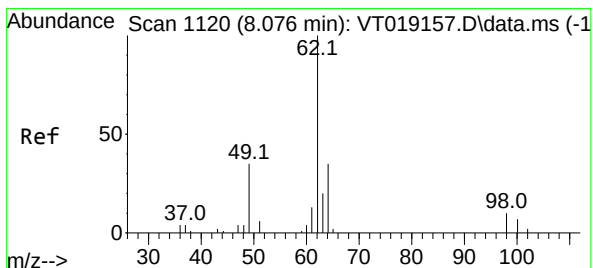
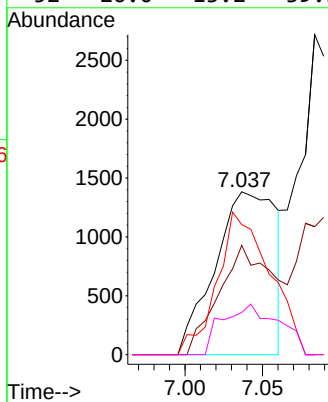
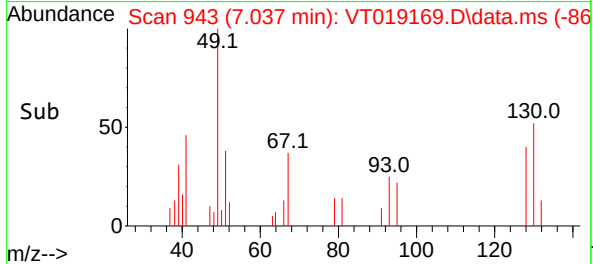
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion:	41	Resp:	377
Ion Ratio	Lower	Upper	
41	100		
39	67.1	26.2	78.5
67	79.9	31.4	94.3
52	26.0	13.2	39.5

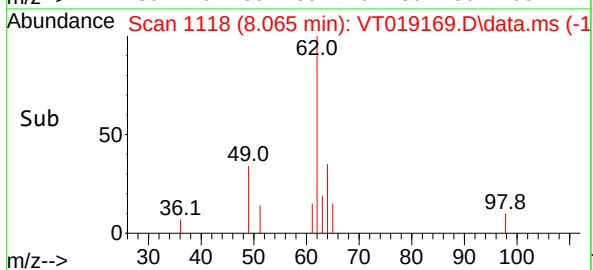
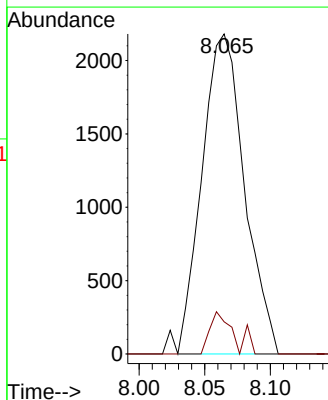
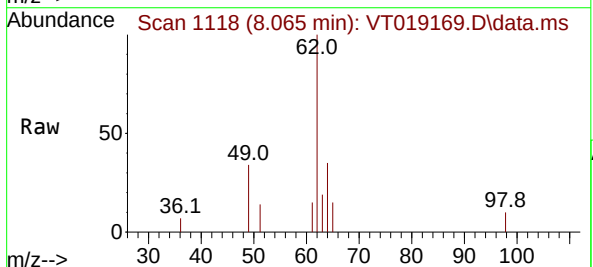
Manual Integrations
APPROVED

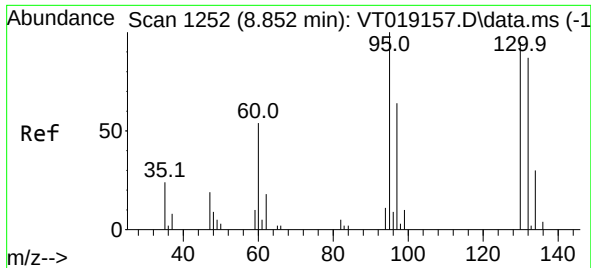
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#36
1,2-Dichloroethane
Concen: 2.497 ug/l
RT: 8.065 min Scan# 1118
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

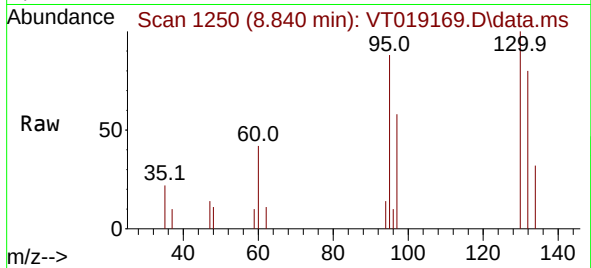
Tgt Ion:	62	Resp:	4903
Ion Ratio	Lower	Upper	
62	100		
98	6.1	6.7	10.1#





#37
Trichloroethene
Concen: 2.682 ug/l
RT: 8.840 min Scan# 1250
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

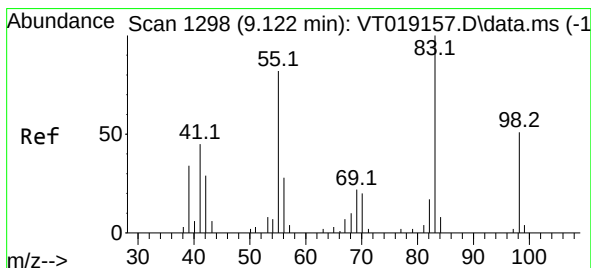
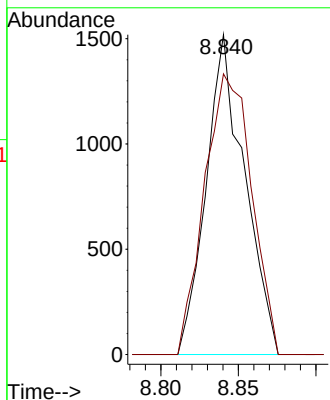
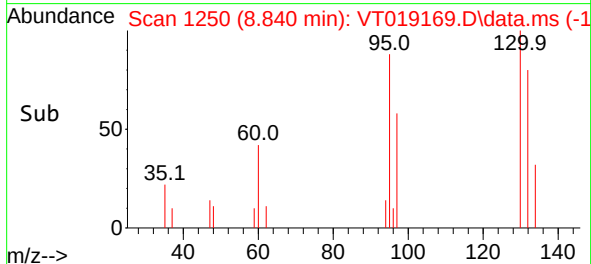
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion:130 Resp: 2614
Ion Ratio Lower Upper
130 100
95 87.8 79.4 119.2

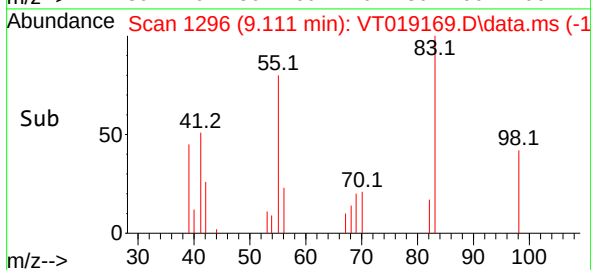
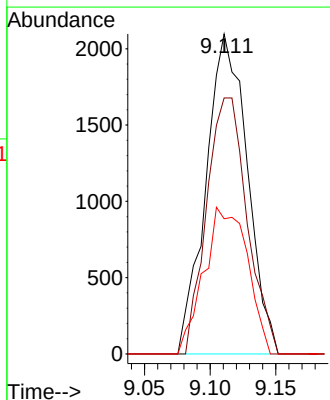
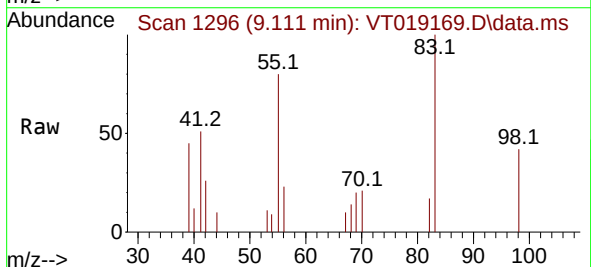
Manual Integrations
APPROVED

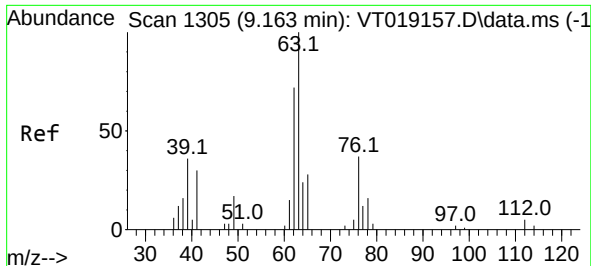
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#38
Methylcyclohexane
Concen: 3.188 ug/l
RT: 9.111 min Scan# 1296
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 83 Resp: 4591
Ion Ratio Lower Upper
83 100
55 78.6 40.3 120.8
98 25.6 24.3 72.9





#39

1,2-Dichloropropane

Concen: 2.376 ug/l

RT: 9.164 min Scan# 1305

Delta R.T. 0.001 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

Instrument :

MSVOA_T

ClientSampleId :

MDL02

Tgt Ion: 63 Resp: 3290

Ion Ratio Lower Upper

63 100

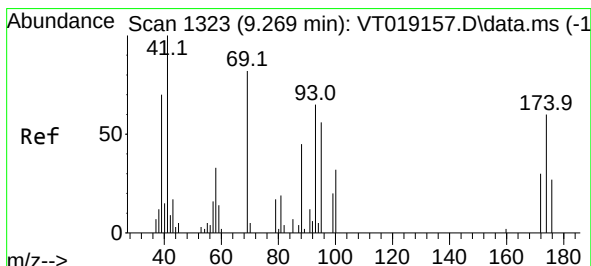
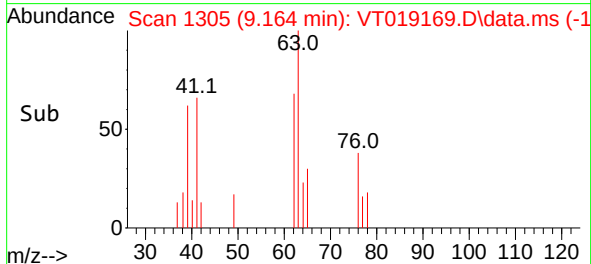
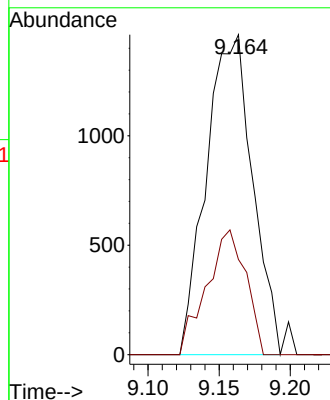
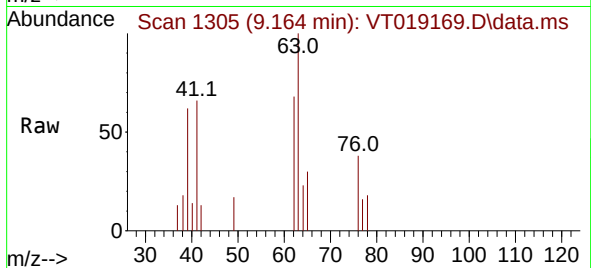
65 29.8 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Dibromomethane

Concen: 2.305 ug/l

RT: 9.263 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

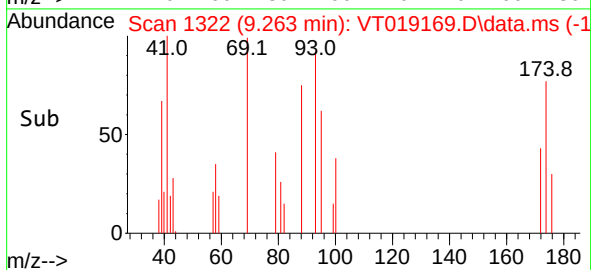
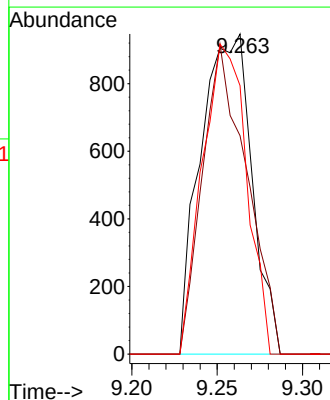
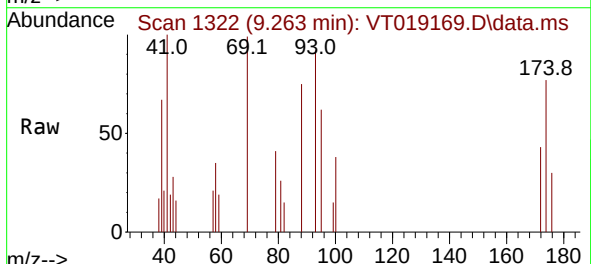
Tgt Ion: 93 Resp: 1972

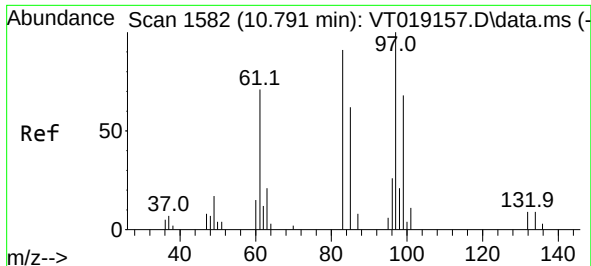
Ion Ratio Lower Upper

93 100

95 83.7 0.0 166.2

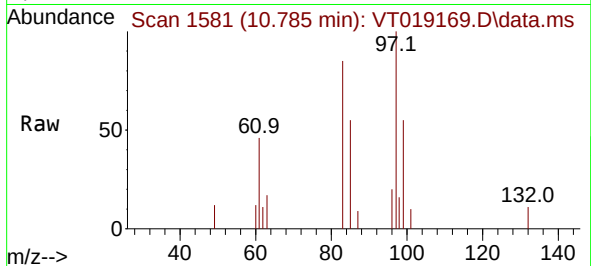
174 84.0 0.0 26.4





#41
Bromodichloromethane
Concen: 2.638 ug/l
RT: 10.785 min Scan# 1582
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

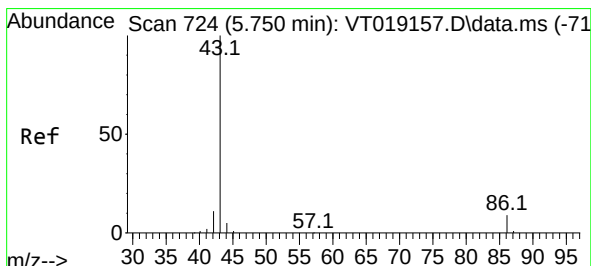
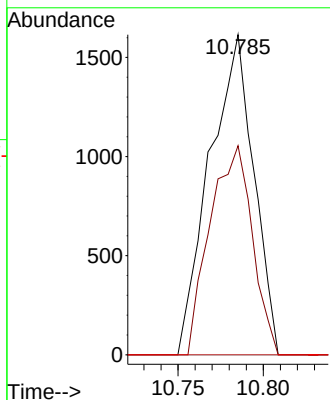
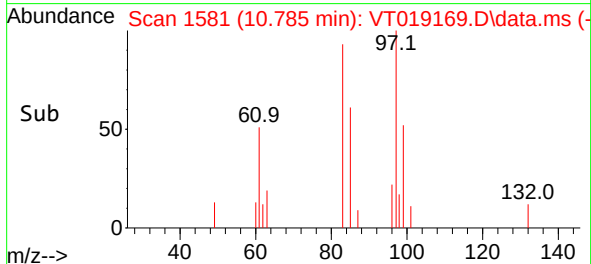
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 83 Resp: 289
Ion Ratio Lower Upper
83 100
85 65.3 47.2 70.8
127 0.0 7.1 10.7

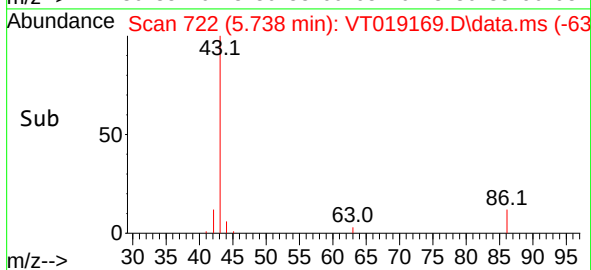
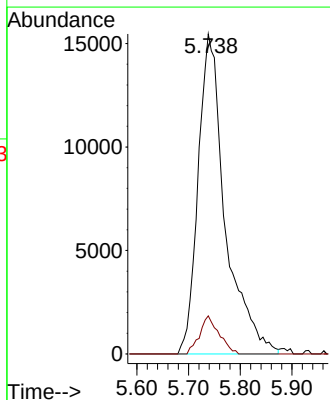
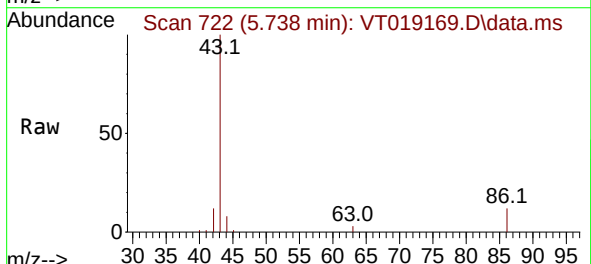
Manual Integrations
APPROVED

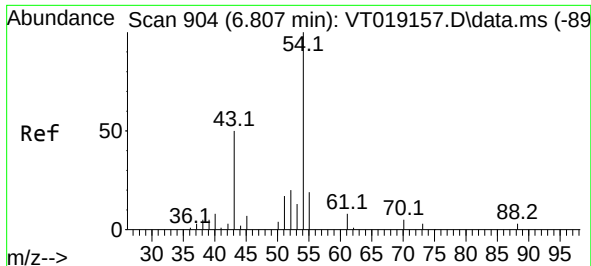
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#42
Vinyl Acetate
Concen: 12.981 ug/l
RT: 5.738 min Scan# 722
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

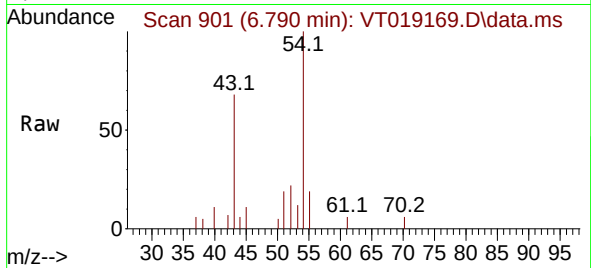
Tgt Ion: 43 Resp: 56128
Ion Ratio Lower Upper
43 100
86 8.6 6.9 10.3





#43
Ethyl Acetate
Concen: 2.765 ug/l m
RT: 6.790 min Scan# 904
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

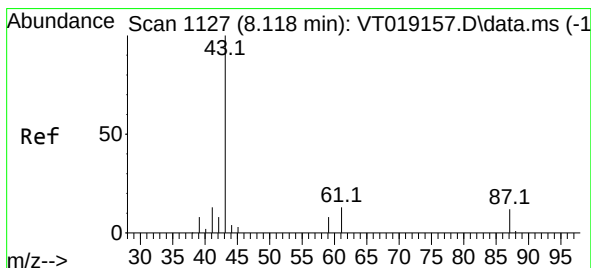
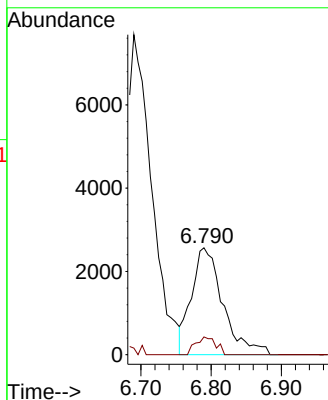
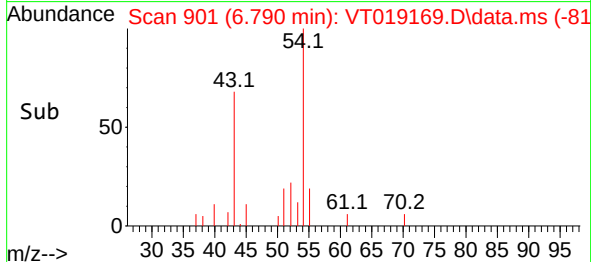
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
45 10.6 10.6 16.0

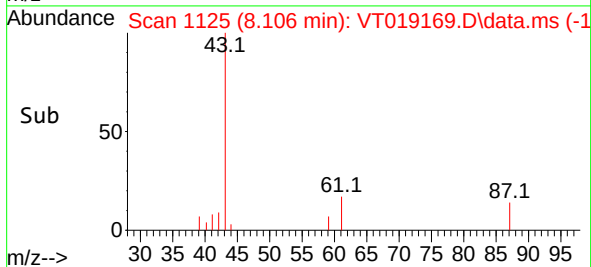
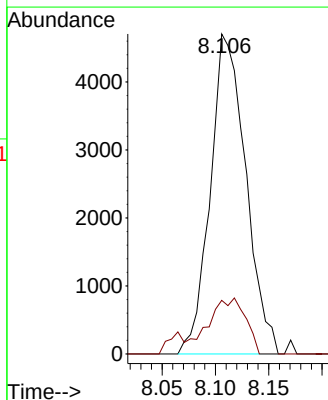
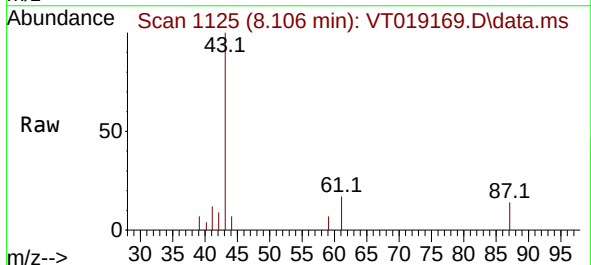
Manual Integrations
APPROVED

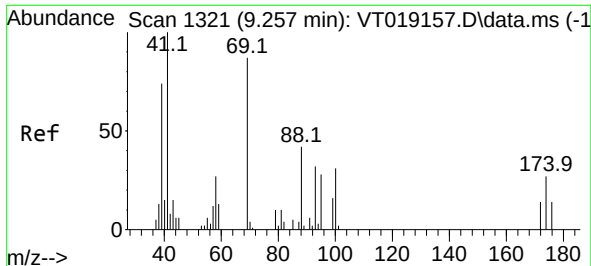
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#44
Isopropyl Acetate
Concen: 2.384 ug/l
RT: 8.106 min Scan# 1125
Delta R.T. -0.017 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

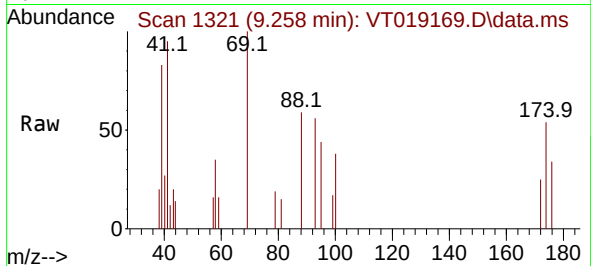
Tgt Ion: 43 Resp: 10869
Ion Ratio Lower Upper
43 100
61 18.4 14.7 22.1





#45
1,4-Dioxane
Concen: 52.482 ug/l
RT: 9.258 min Scan# 1321
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

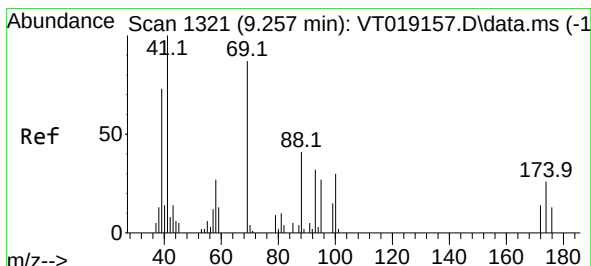
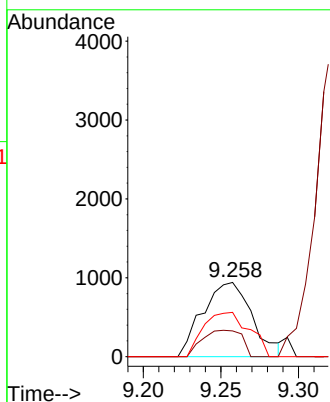
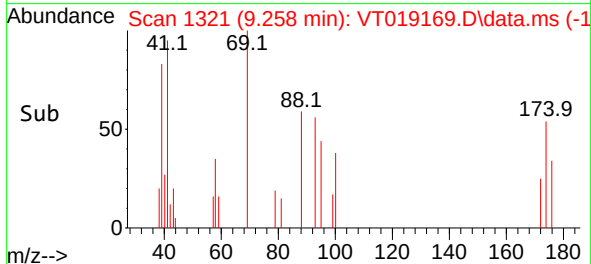
Instrument :
MSVOA_T
ClientSampleId :
MDL02



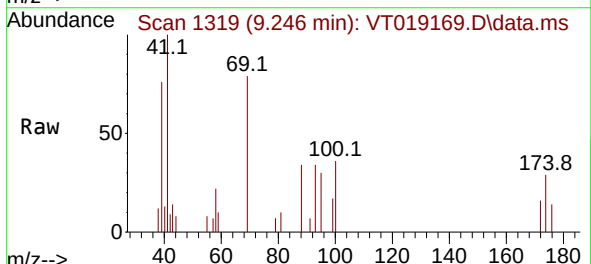
Tgt Ion: 88 Resp: 2070
Ion Ratio Lower Upper
88 100
43 28.6 30.2 45.2
58 55.4 33.3 49.9

Manual Integrations
APPROVED

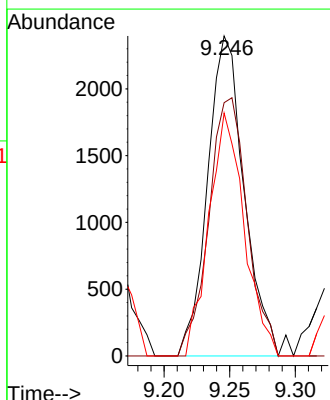
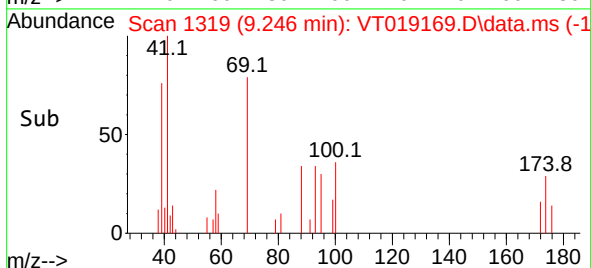
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

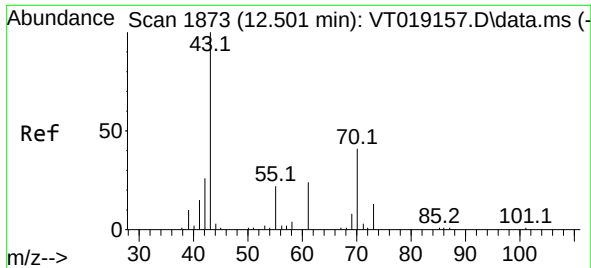


#46
Methyl methacrylate
Concen: 2.273 ug/l
RT: 9.246 min Scan# 1319
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion: 41 Resp: 4634
Ion Ratio Lower Upper
41 100
69 79.1 35.8 107.3
39 75.9 24.4 73.4





#47

n-amyl acetate

Concen: 2.393 ug/l

RT: 12.489 min Scan# 11

Delta R.T. -0.012 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

Instrument :

MSVOA_T

ClientSampleId :

MDL02

Tgt Ion: 43 Resp: 734

Ion Ratio Lower Upper

43 100

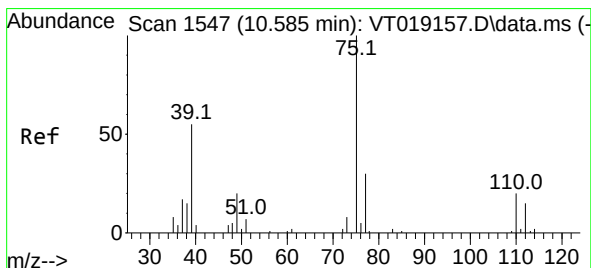
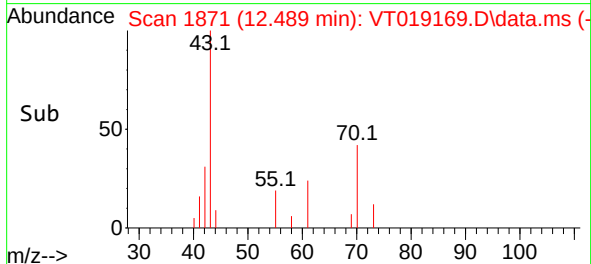
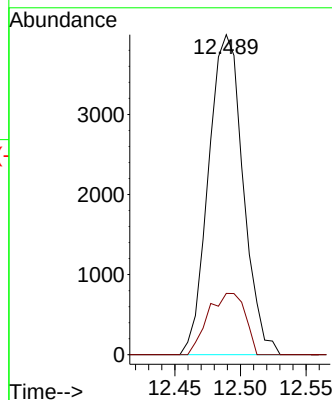
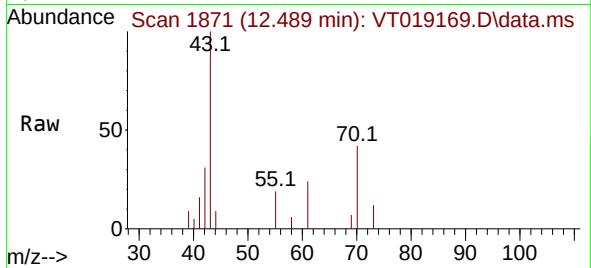
55 20.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#48

t-1,3-Dichloropropene

Concen: 2.451 ug/l

RT: 10.574 min Scan# 1545

Delta R.T. -0.011 min

Lab File: VT019169.D

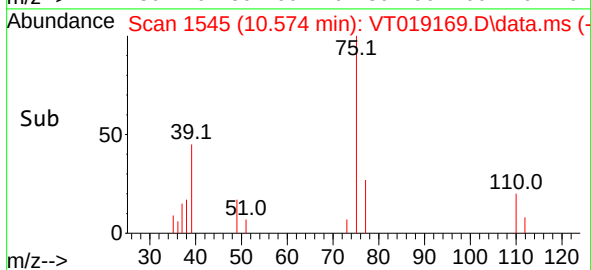
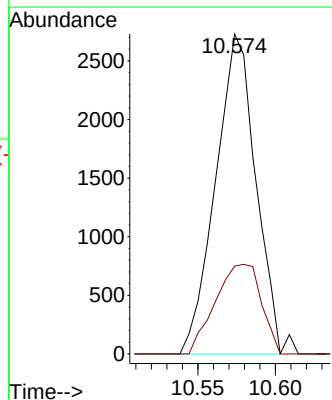
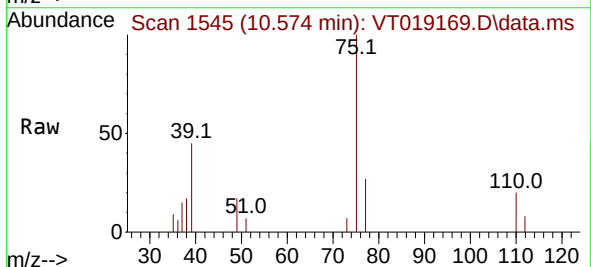
Acq: 23 Oct 2025 13:00

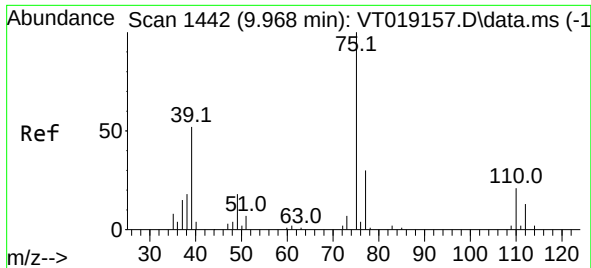
Tgt Ion: 75 Resp: 4887

Ion Ratio Lower Upper

75 100

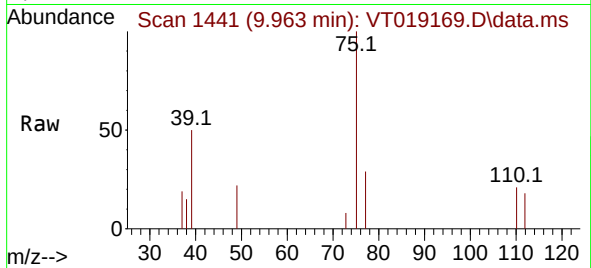
77 27.4 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 2.364 ug/l
 RT: 9.963 min Scan# 1442
 Delta R.T. -0.011 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

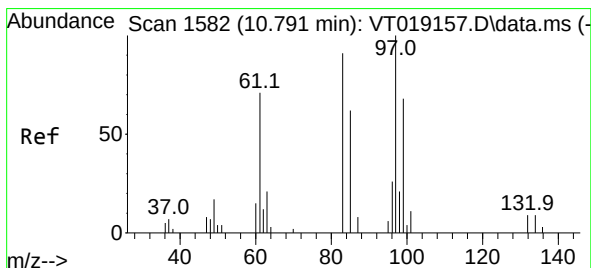
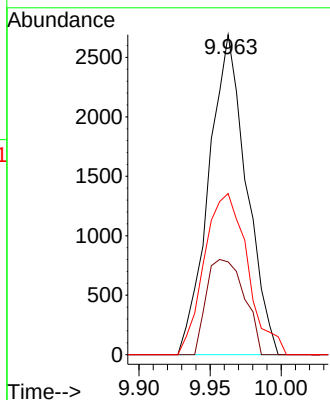
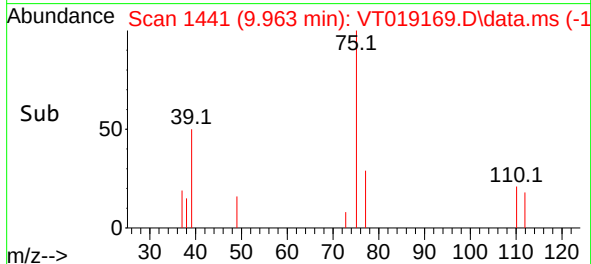
Instrument :
 MSVOA_T
 ClientSampleId :
 MDL02



Tgt Ion: 75 Resp: 4952
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.1 37.7
 39 50.4 42.7 64.1

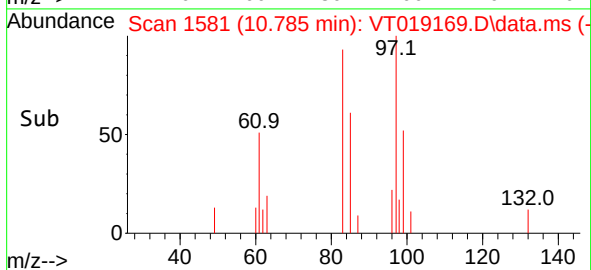
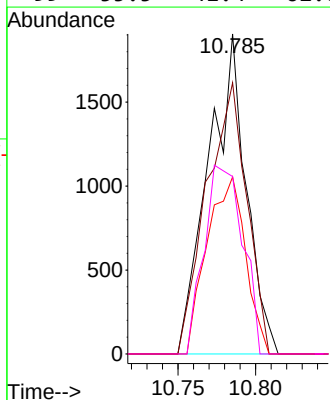
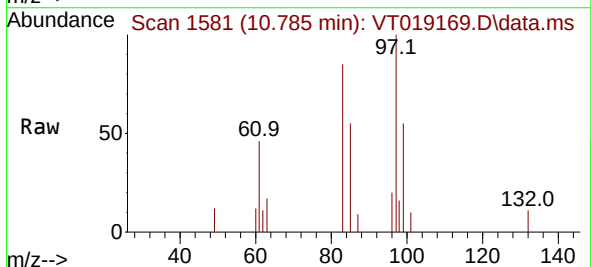
Manual Integrations
 APPROVED

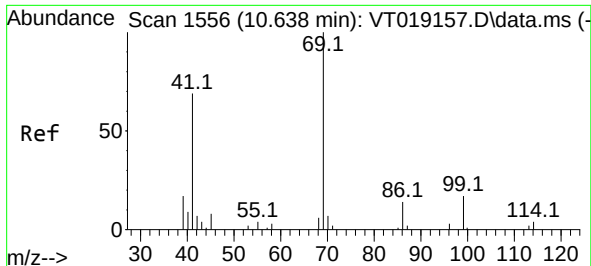
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#50
 1,1,2-Trichloroethane
 Concen: 2.543 ug/l
 RT: 10.785 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

Tgt Ion: 97 Resp: 3199
 Ion Ratio Lower Upper
 97 100
 83 84.7 58.3 87.5
 85 55.4 36.5 54.7#
 99 55.5 41.4 62.0





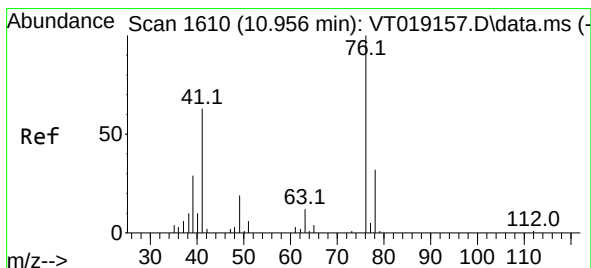
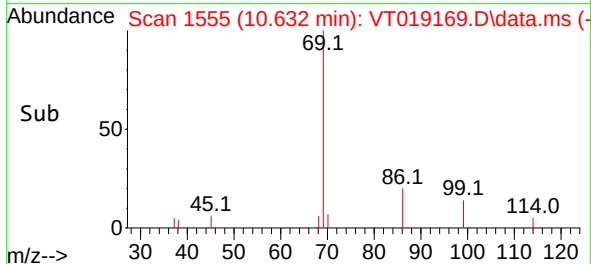
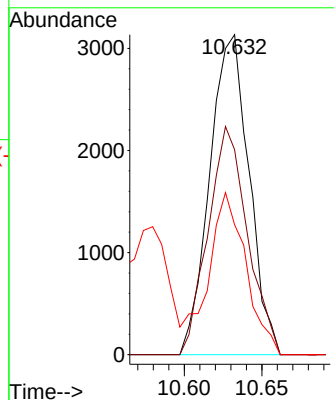
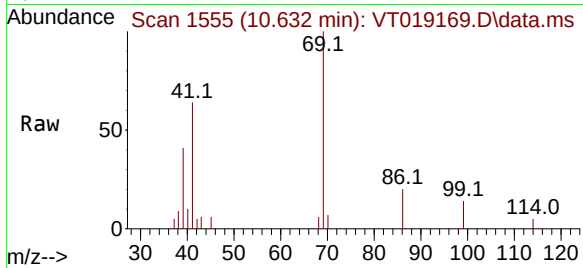
#51
Ethyl methacrylate
Concen: 2.342 ug/l
RT: 10.632 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 69 Resp: 552
Ion Ratio Lower Upper
69 100
41 64.1 35.0 105.1
39 40.6 19.5 58.5

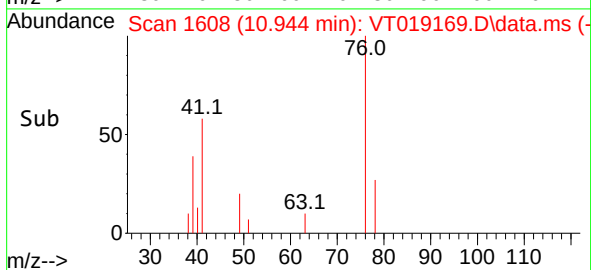
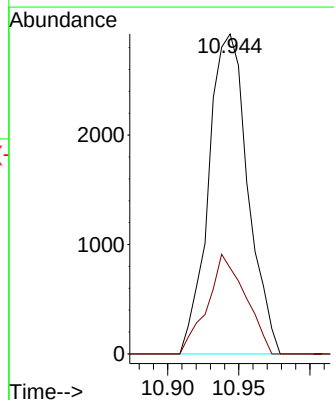
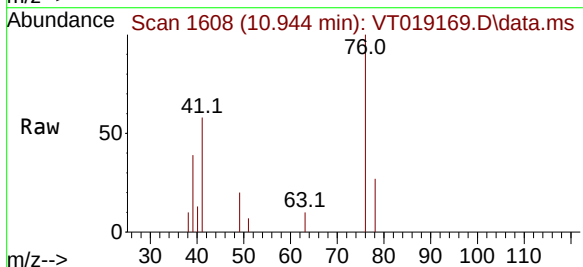
Manual Integrations
APPROVED

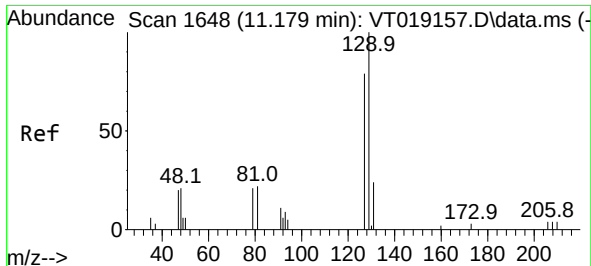
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#52
1,3-Dichloropropane
Concen: 2.502 ug/l
RT: 10.944 min Scan# 1608
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

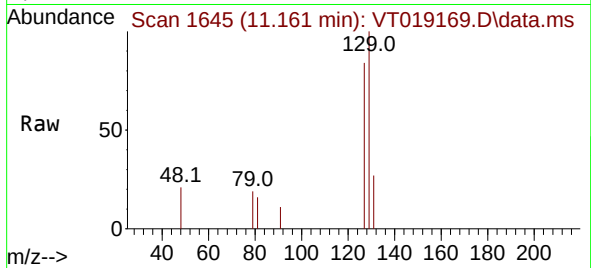
Tgt Ion: 76 Resp: 5622
Ion Ratio Lower Upper
76 100
78 30.1 0.0 63.6





#53
Dibromochloromethane
Concen: 2.271 ug/l
RT: 11.161 min Scan# 1645
Delta R.T. -0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

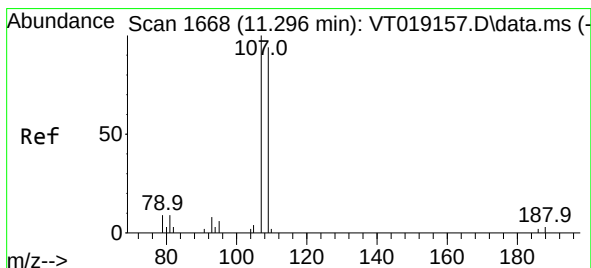
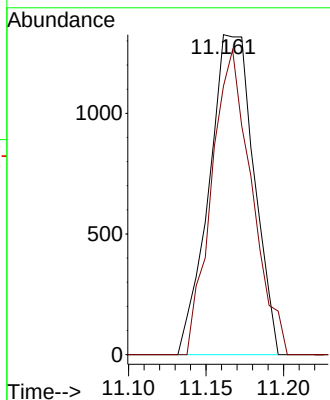
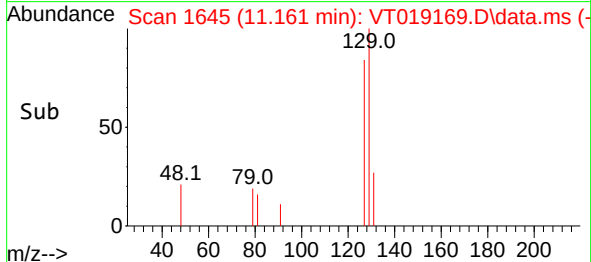
Instrument :
MSVOA_T
ClientSampleId :
MDL02



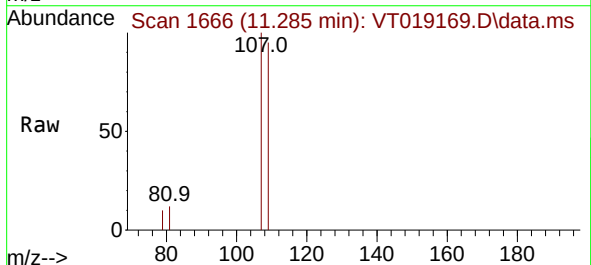
Tgt Ion:129 Resp: 266
Ion Ratio Lower Upper
129 100
127 85.1 125.0 374.9

Manual Integrations
APPROVED

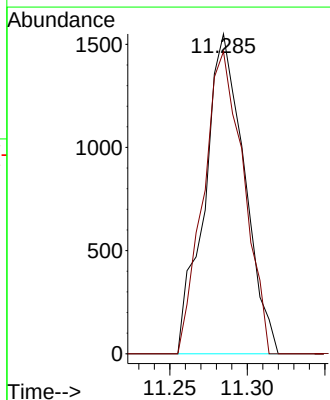
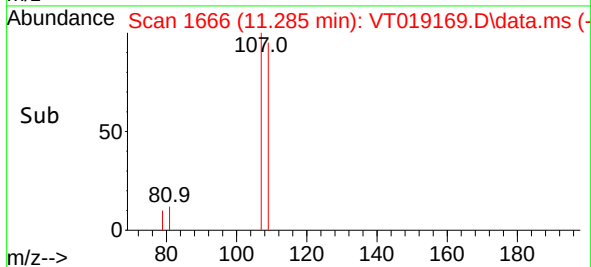
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

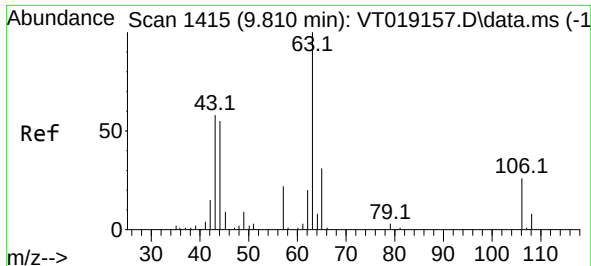


#54
1,2-Dibromoethane
Concen: 2.358 ug/l
RT: 11.285 min Scan# 1666
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion:107 Resp: 2760
Ion Ratio Lower Upper
107 100
109 95.5 74.0 111.0





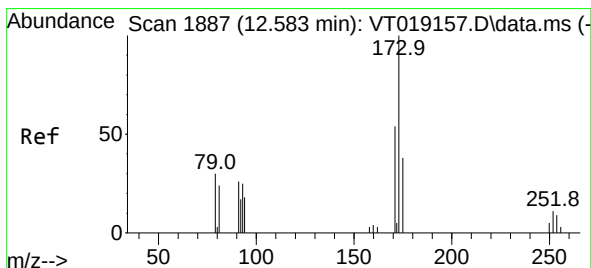
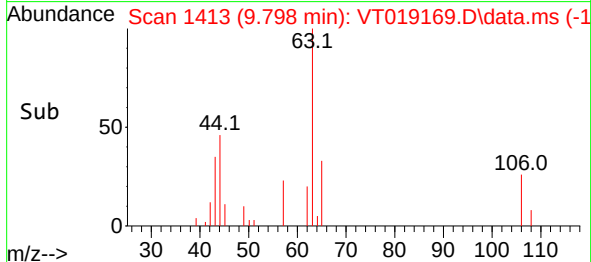
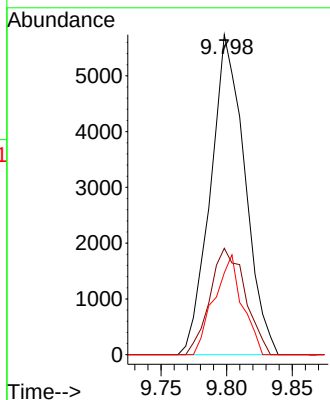
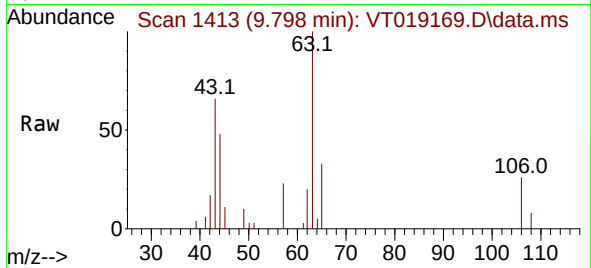
#55
2-Chloroethyl vinyl ether
Concen: 15.159 ug/l
RT: 9.798 min Scan# 1415
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 63 Resp: 10425
Ion Ratio Lower Upper
63 100
65 34.2 25.8 38.6
106 25.5 22.1 33.1

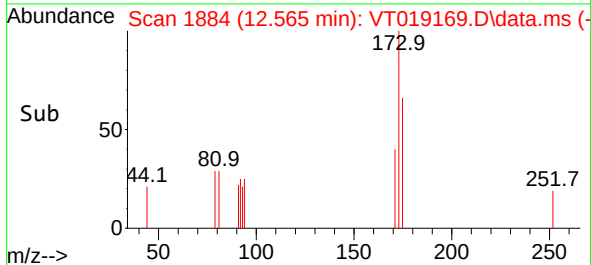
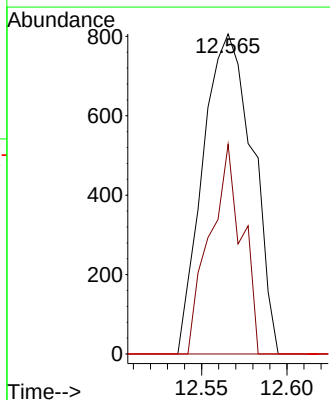
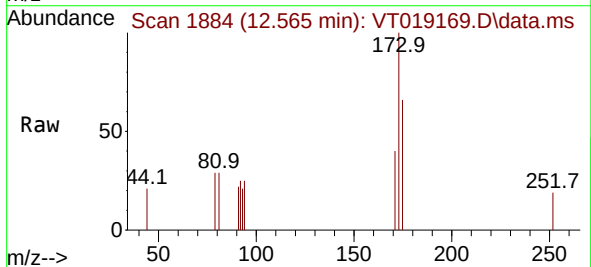
Manual Integrations
APPROVED

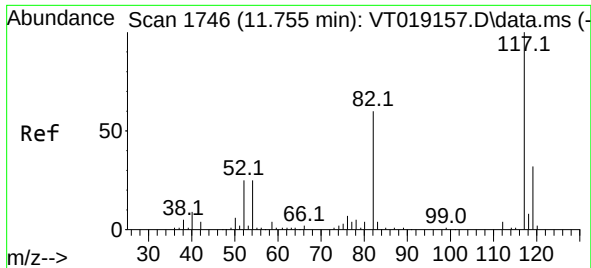
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#56
Bromoform
Concen: 2.114 ug/l
RT: 12.565 min Scan# 1884
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

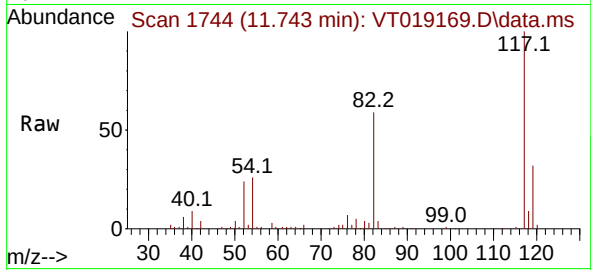
Tgt Ion:173 Resp: 1631
Ion Ratio Lower Upper
173 100
175 42.5 2.6 3.8#
254 0.0 2.2 3.2#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.743 min Scan# 117
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

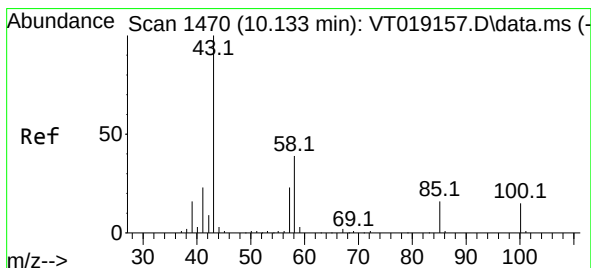
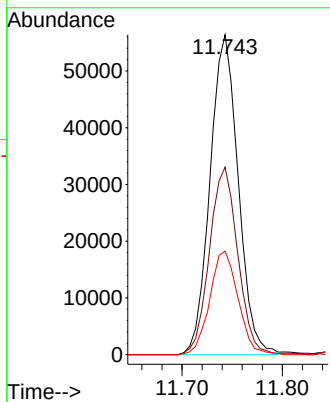
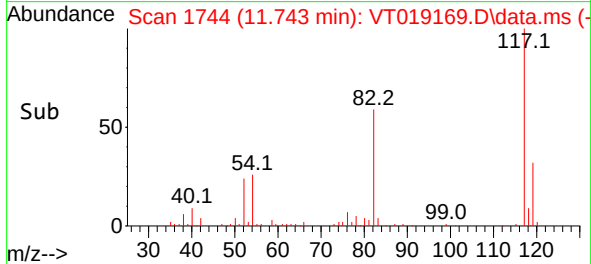
Instrument :
MSVOA_T
ClientSampleId :
MDL02



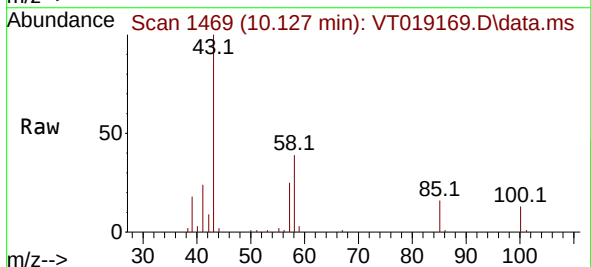
Tgt Ion:117 Resp: 109994
Ion Ratio Lower Upper
117 100
82 58.8 46.0 69.0
119 32.5 25.8 38.8

Manual Integrations
APPROVED

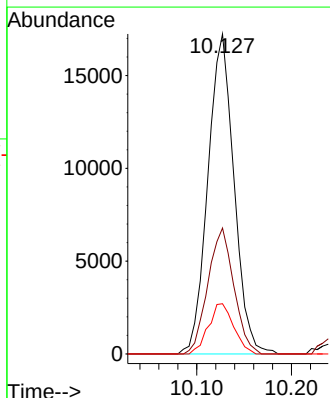
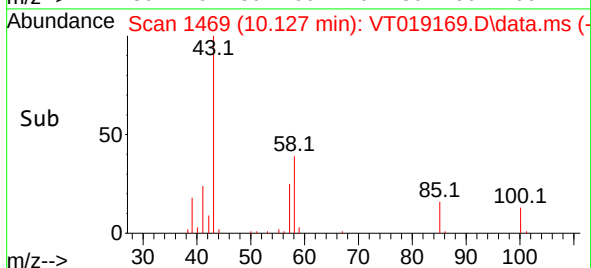
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

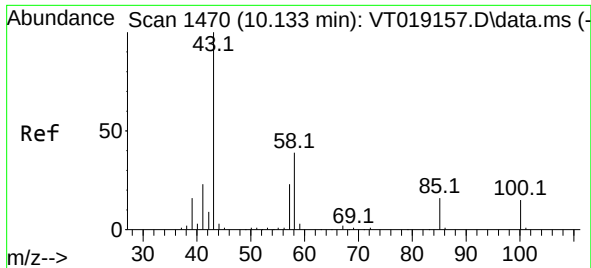


#58
4-Methyl-2-Pentanone
Concen: 12.254 ug/l
RT: 10.127 min Scan# 1469
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion: 43 Resp: 33008
Ion Ratio Lower Upper
43 100
58 39.1 30.6 45.8
85 15.2 13.4 20.2





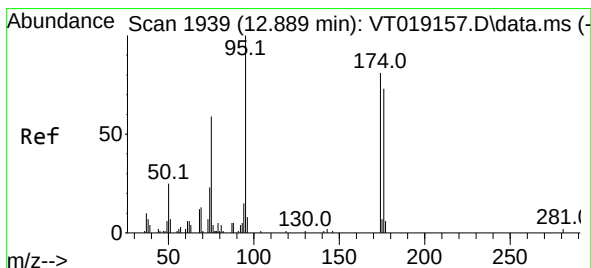
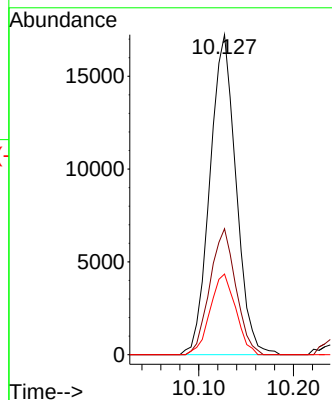
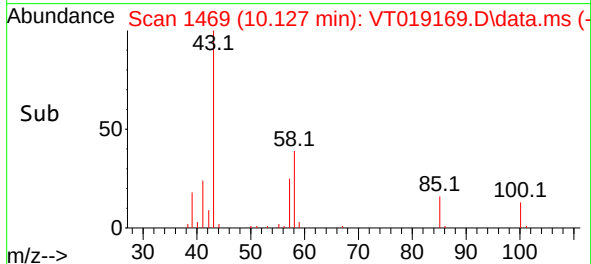
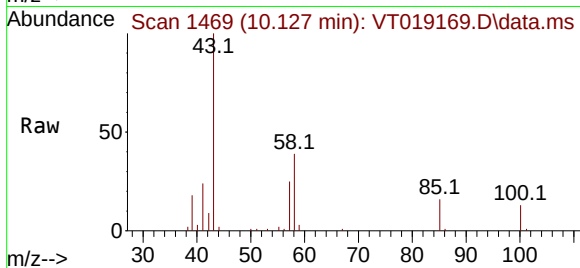
#59
2-Hexanone
Concen: 12.254 ug/l
RT: 10.127 min Scan# 1469
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 33008
Ion Ratio Lower Upper
43 100
58 39.1 42.0 63.0
57 24.7 14.6 21.8

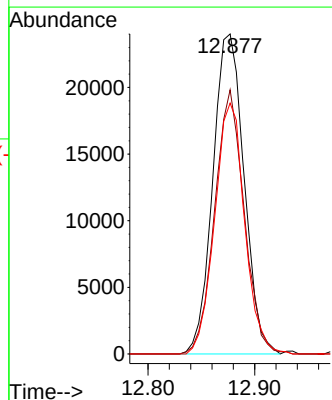
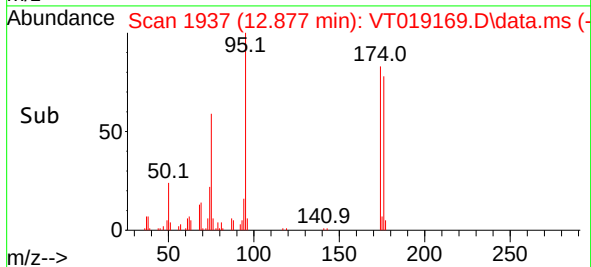
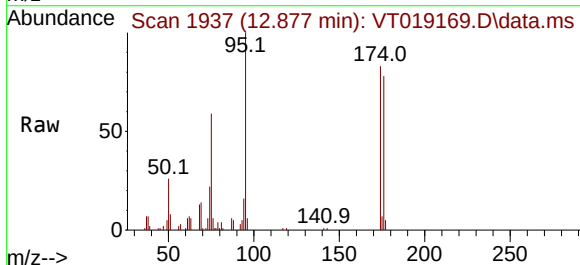
Manual Integrations
APPROVED

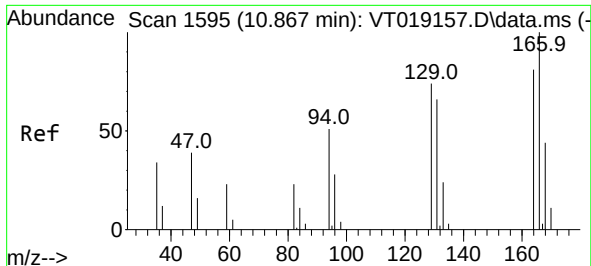
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#60
4-Bromofluorobenzene
Concen: 28.191 ug/l
RT: 12.877 min Scan# 1937
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

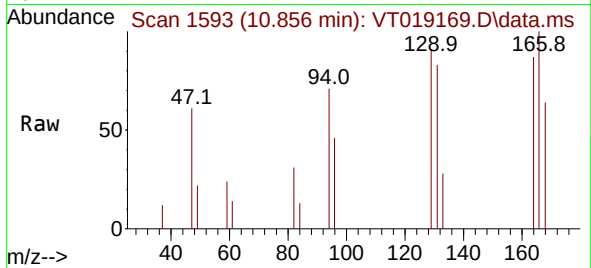
Tgt Ion: 95 Resp: 48735
Ion Ratio Lower Upper
95 100
174 77.8 57.5 86.3
176 75.4 56.4 84.6





#61
Tetrachloroethene
Concen: 2.880 ug/l
RT: 10.856 min Scan# 1595
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

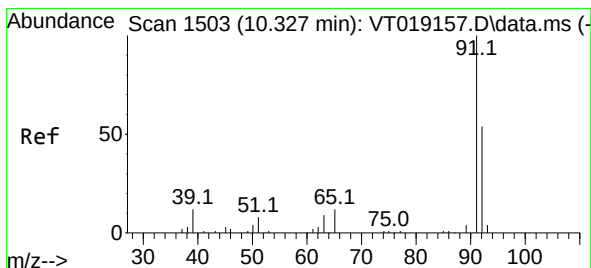
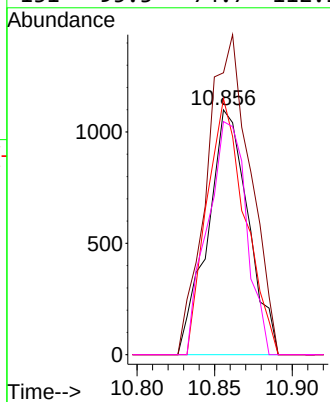
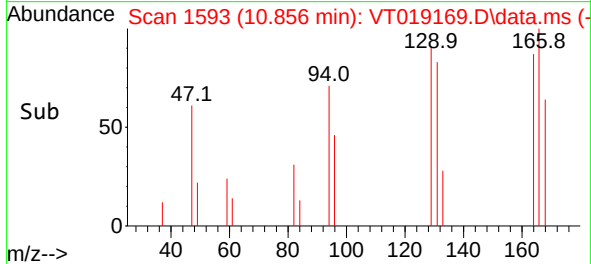
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion:164 Resp: 200
Ion Ratio Lower Upper
164 100
166 115.2 101.0 151.4
129 104.6 78.6 117.8
131 95.3 74.7 112.1

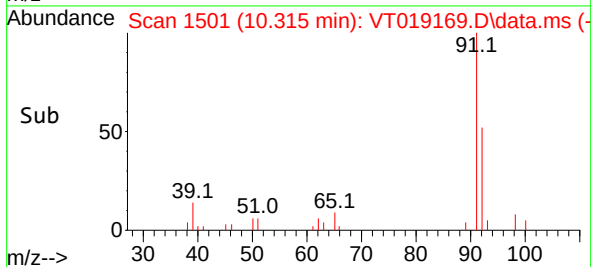
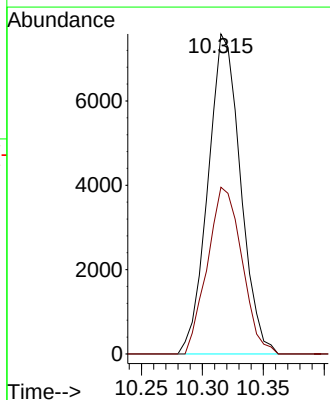
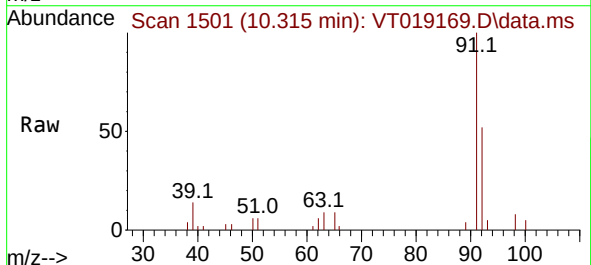
Manual Integrations
APPROVED

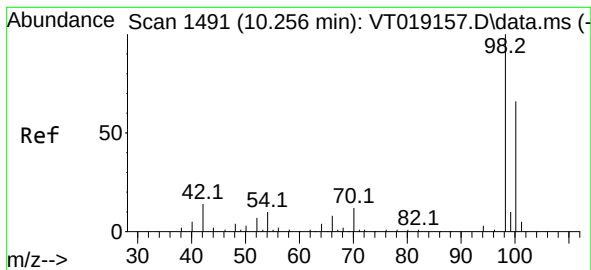
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#62
Toluene
Concen: 2.859 ug/l
RT: 10.315 min Scan# 1501
Delta R.T. -0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

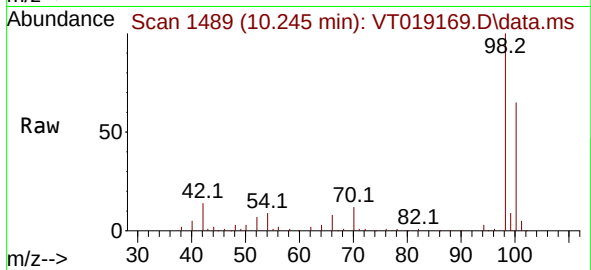
Tgt Ion: 91 Resp: 14084
Ion Ratio Lower Upper
91 100
92 55.3 46.6 69.8





#63
Toluene-d8
Concen: 30.451 ug/l
RT: 10.245 min Scan# 1491
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

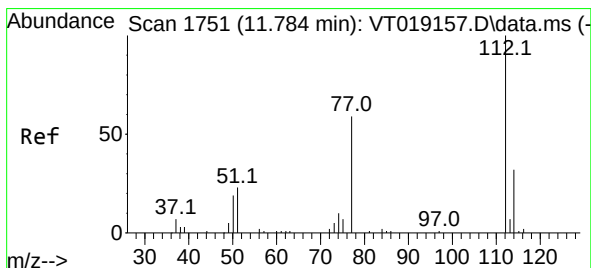
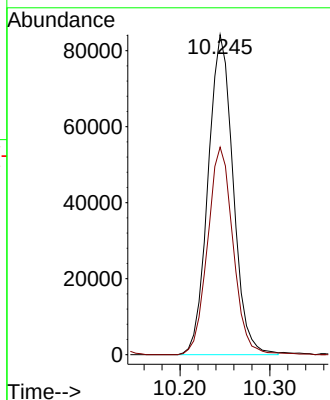
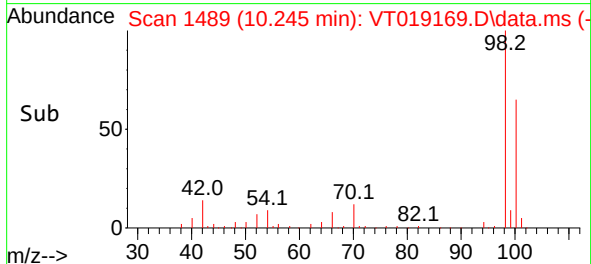
Instrument :
MSVOA_T
ClientSampleId :
MDL02



Tgt Ion: 98 Resp: 16302
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

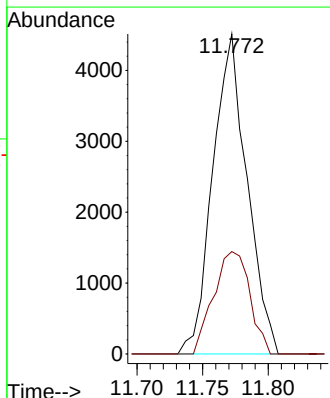
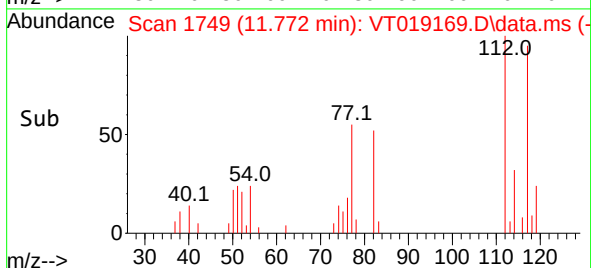
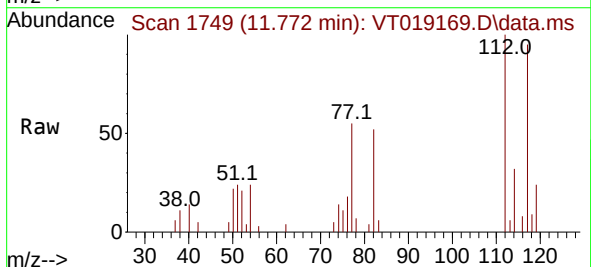
Manual Integrations
APPROVED

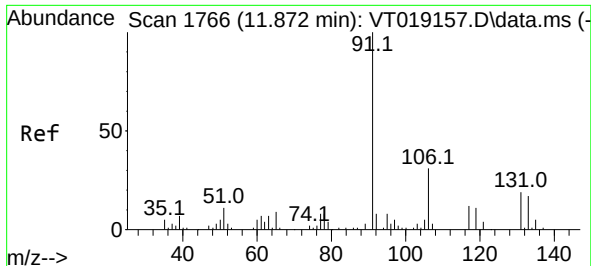
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#64
Chlorobenzene
Concen: 2.726 ug/l
RT: 11.772 min Scan# 1749
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion:112 Resp: 8204
Ion Ratio Lower Upper
112 100
114 32.0 23.6 35.4





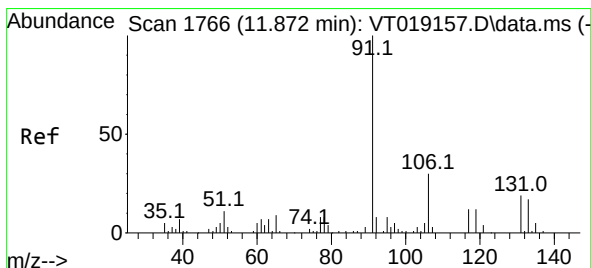
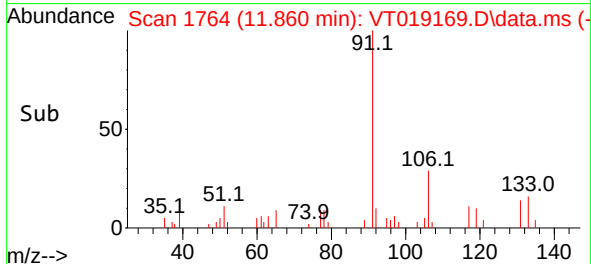
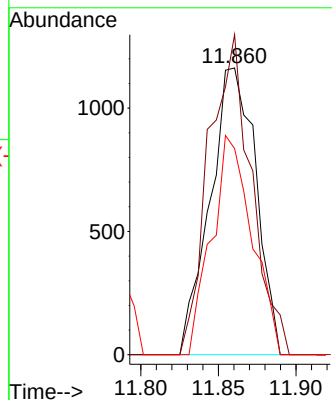
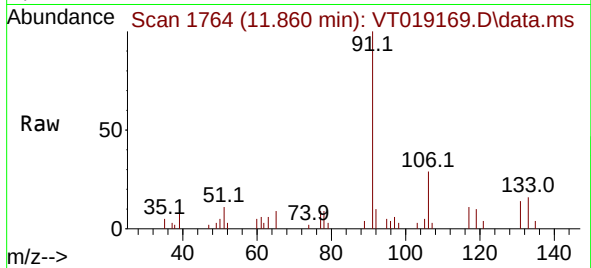
#65
1,1,1,2-Tetrachloroethane
Concen: 2.431 ug/l
RT: 11.860 min Scan# 1764
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:131 Resp: 238
Ion Ratio Lower Upper
131 100
133 103.5 0.0 188.2
119 67.7 0.0 101.8

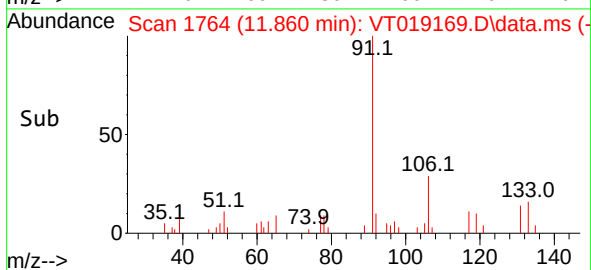
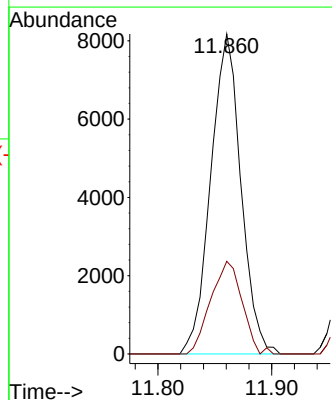
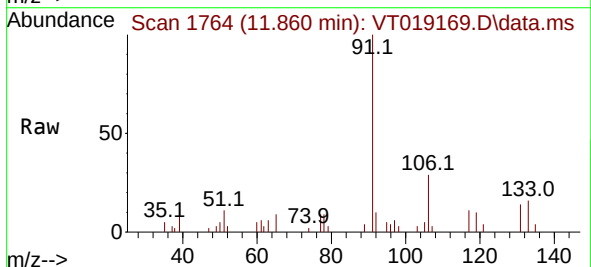
Manual Integrations
APPROVED

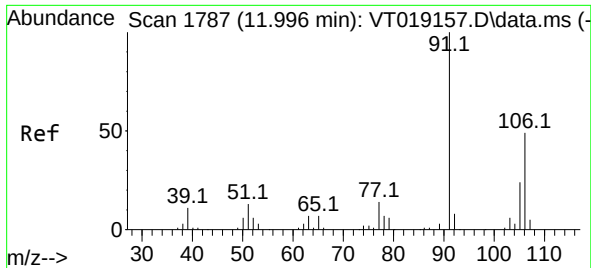
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#66
Ethyl Benzene
Concen: 2.819 ug/l
RT: 11.860 min Scan# 1764
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 91 Resp: 15094
Ion Ratio Lower Upper
91 100
106 29.0 25.1 37.7





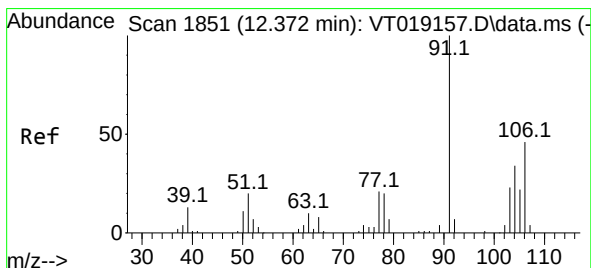
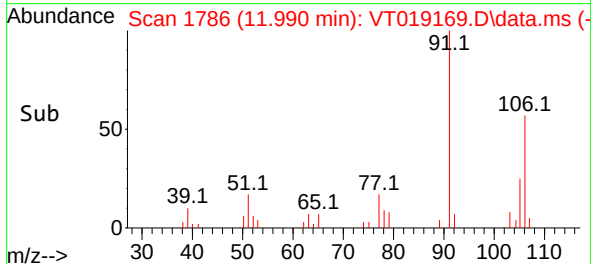
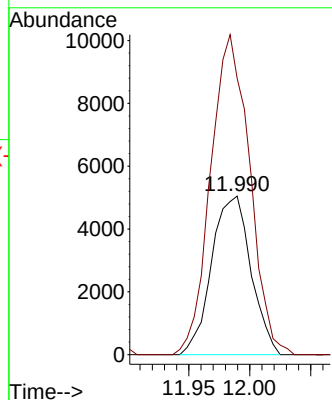
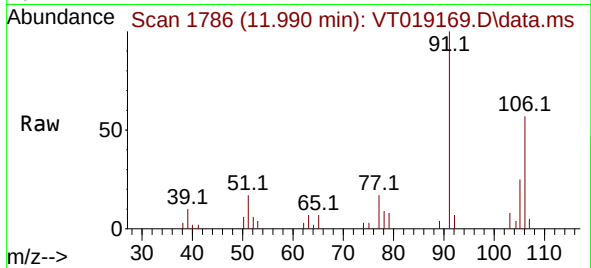
#67
m/p-Xylenes
Concen: 5.675 ug/l
RT: 11.990 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:106 Resp: 1129
Ion Ratio Lower Upper
106 100
91 200.5 164.4 246.6

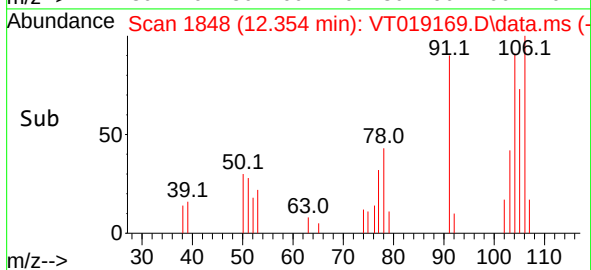
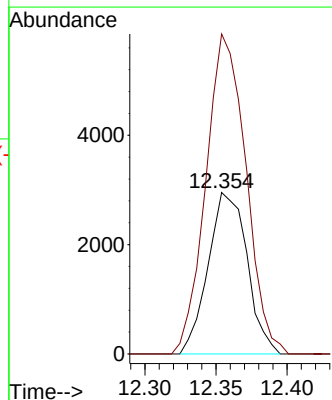
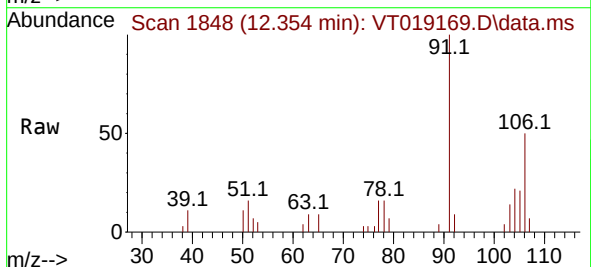
Manual Integrations
APPROVED

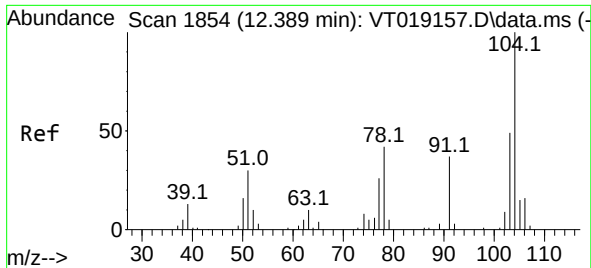
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#68
o-Xylene
Concen: 2.738 ug/l
RT: 12.354 min Scan# 1848
Delta R.T. -0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion:106 Resp: 5626
Ion Ratio Lower Upper
106 100
91 203.7 111.3 333.8





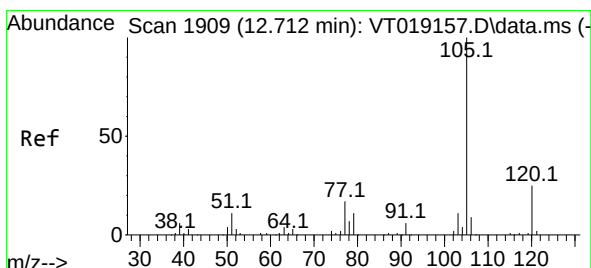
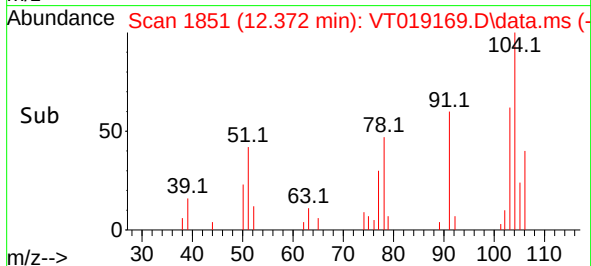
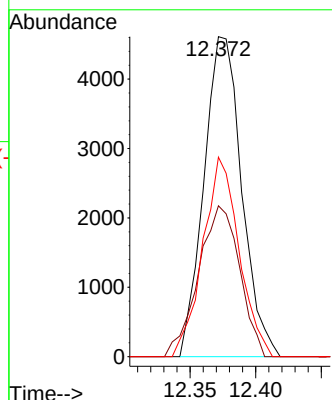
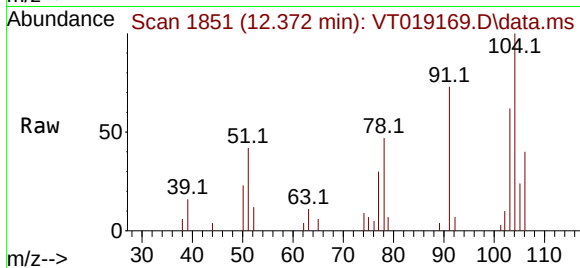
#69
Styrene
Concen: 2.505 ug/l
RT: 12.372 min Scan# 1854
Delta R.T. -0.017 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:104 Resp: 9238
Ion Ratio Lower Upper
104 100
78 51.2 42.6 63.8
103 59.7 43.5 65.3

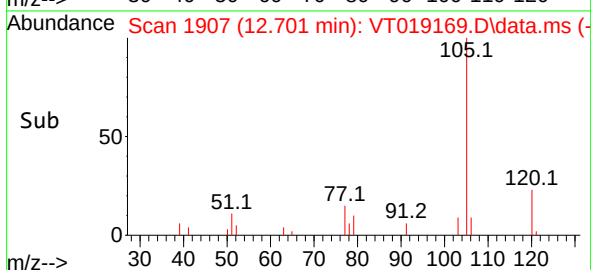
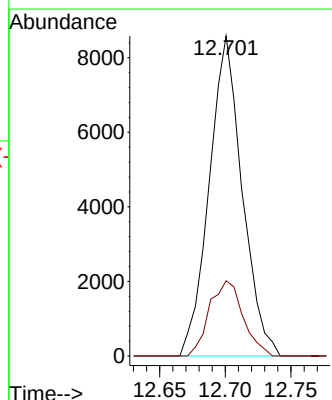
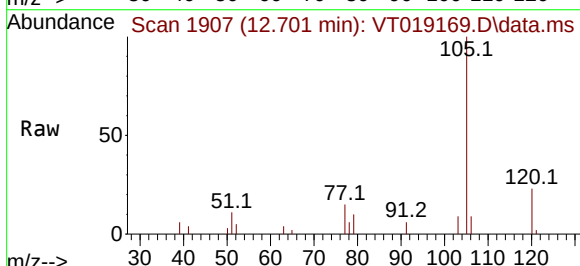
Manual Integrations
APPROVED

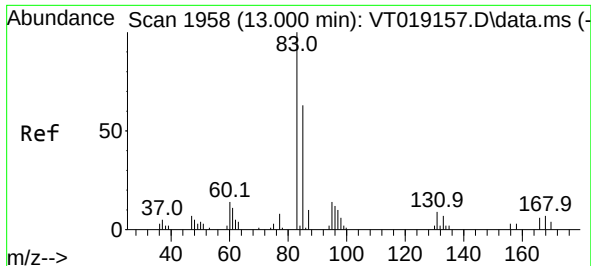
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#70
Isopropylbenzene
Concen: 2.974 ug/l
RT: 12.701 min Scan# 1907
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion:105 Resp: 14986
Ion Ratio Lower Upper
105 100
120 24.0 17.8 33.0





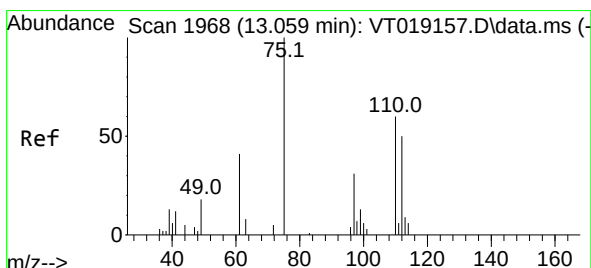
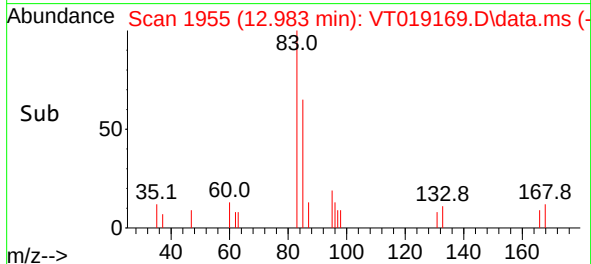
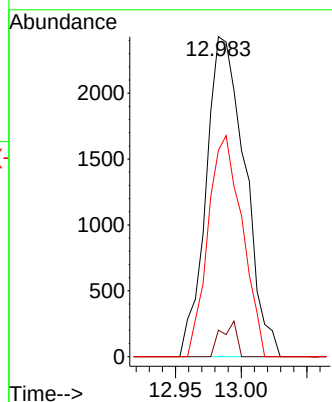
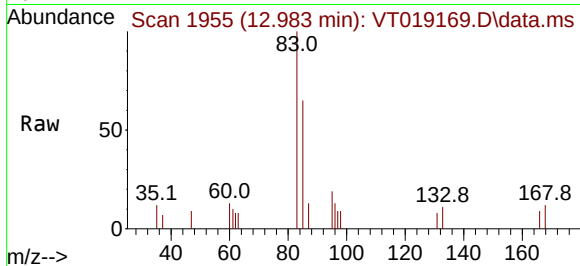
#71
1,1,2,2-Tetrachloroethane
Concen: 2.530 ug/l
RT: 12.983 min Scan# 1955
Delta R.T. -0.017 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument : MSVOA_T
ClientSampleId : MDL02

Tgt Ion: 83 Resp: 500
Ion Ratio Lower Upper
83 100
131 4.5 6.0 18.0
85 60.7 32.3 96.9

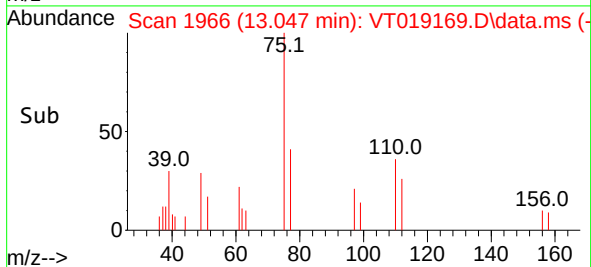
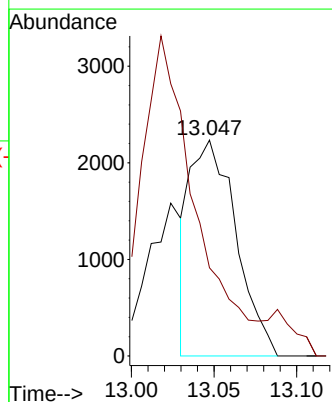
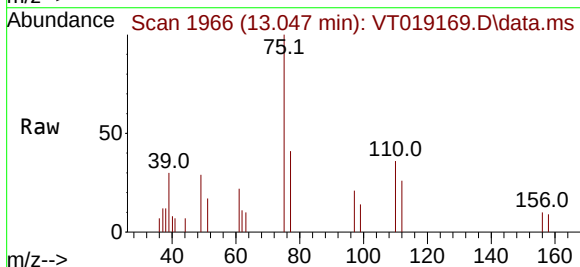
Manual Integrations
APPROVED

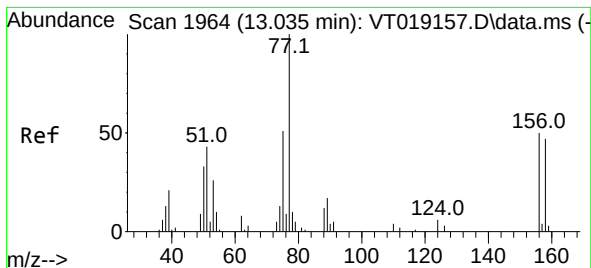
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#72
1,2,3-Trichloropropane
Concen: 2.978 ug/l m
RT: 13.047 min Scan# 1966
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 75 Resp: 4347
Ion Ratio Lower Upper
75 100
77 177.5 0.0 74.2#





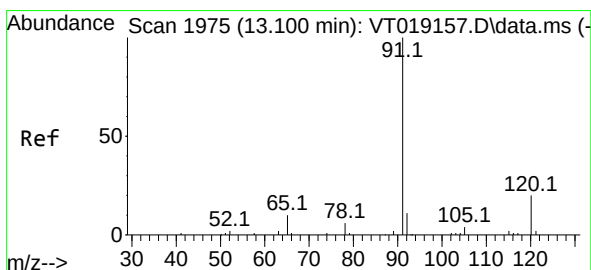
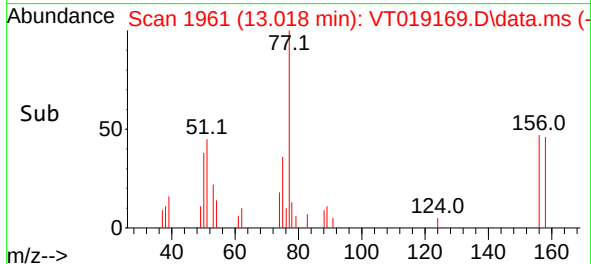
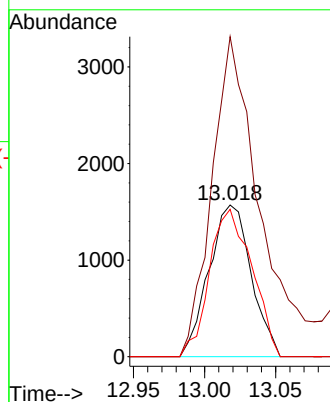
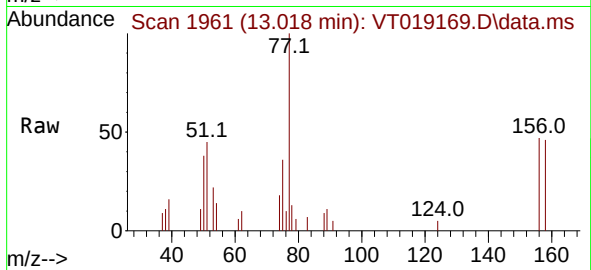
#73
Bromobenzene
Concen: 2.739 ug/l
RT: 13.018 min Scan# 1961
Delta R.T. -0.017 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:156 Resp: 3240
Ion Ratio Lower Upper
156 100
77 237.7 0.0 340.8
158 97.9 0.0 189.0

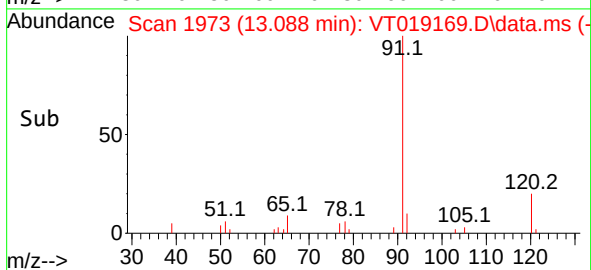
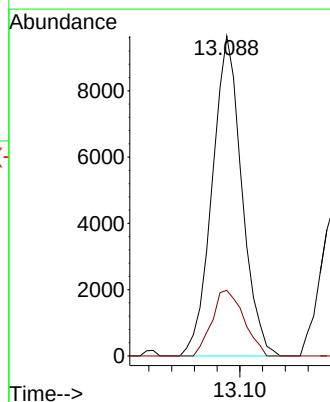
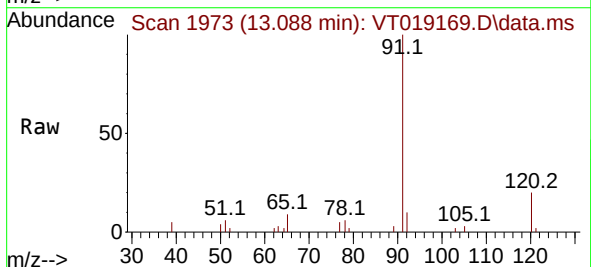
Manual Integrations
APPROVED

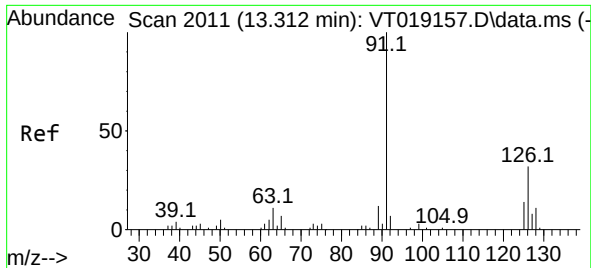
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#74
n-propylbenzene
Concen: 2.873 ug/l
RT: 13.088 min Scan# 1973
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 91 Resp: 17457
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.4





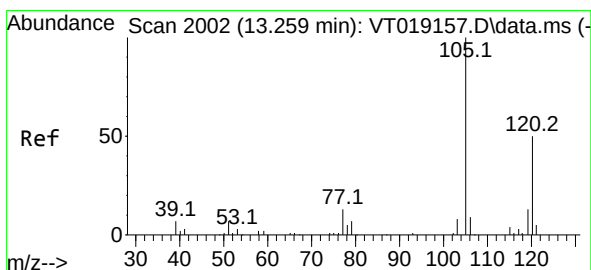
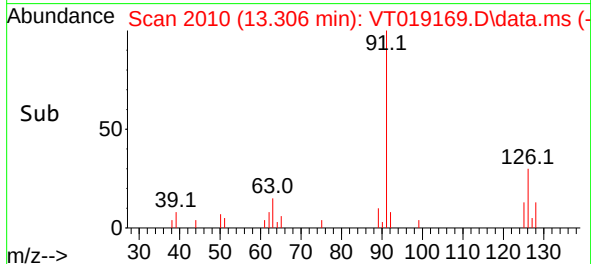
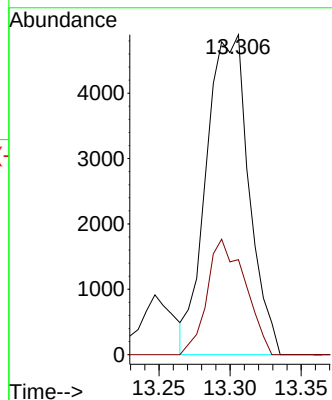
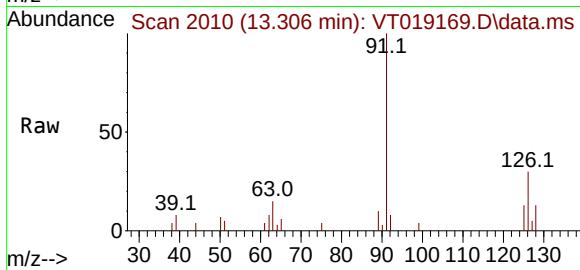
#75
2-Chlorotoluene
Concen: 2.732 ug/l
RT: 13.306 min Scan# 2010
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 91 Resp: 1016
Ion Ratio Lower Upper
91 100
126 32.3 0.0 63.6

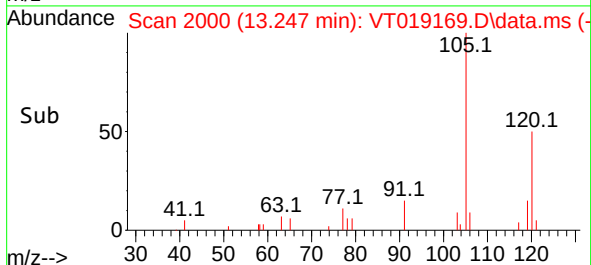
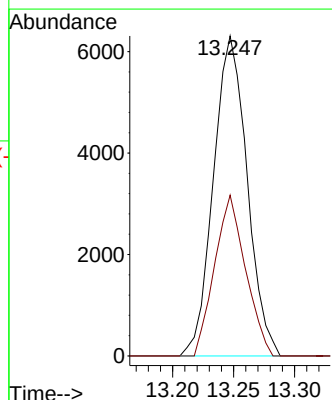
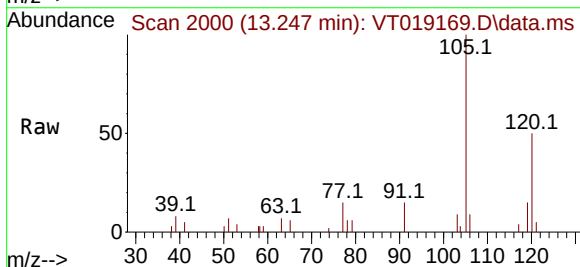
Manual Integrations
APPROVED

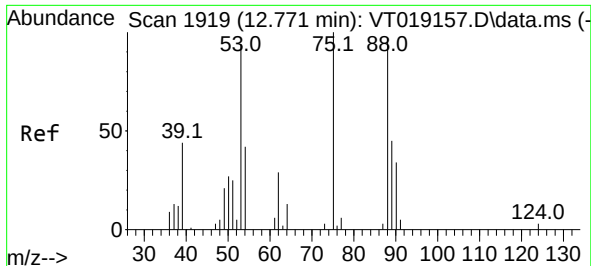
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.931 ug/l
RT: 13.247 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion:105 Resp: 12119
Ion Ratio Lower Upper
105 100
120 46.1 0.0 93.0





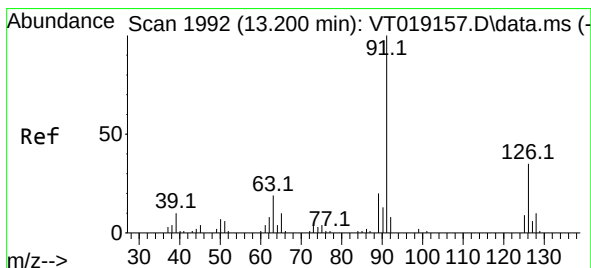
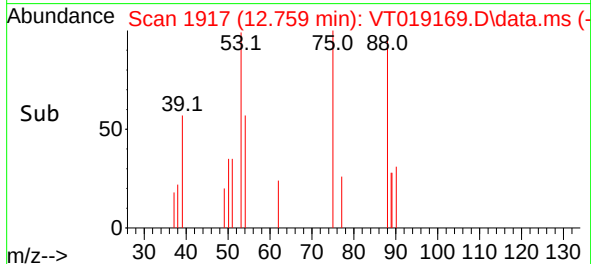
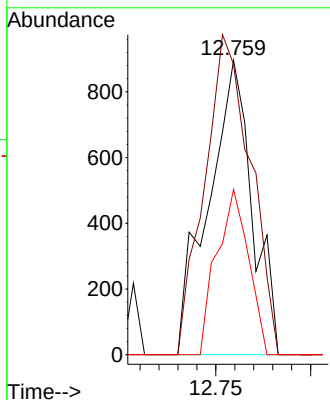
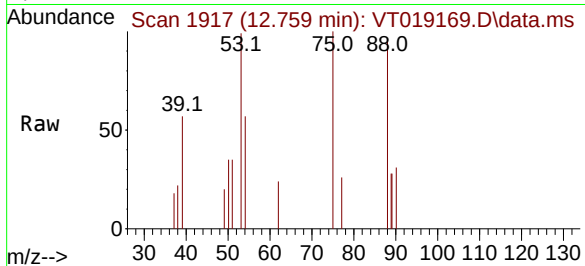
#77
t-1,4-Dichloro-2-butene
Concen: 2.032 ug/l
RT: 12.759 min Scan# 1917
Delta R.T. -0.006 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion: 75 Resp: 144
Ion Ratio Lower Upper
75 100
53 98.7 48.4 145.2
89 56.1 33.8 101.3

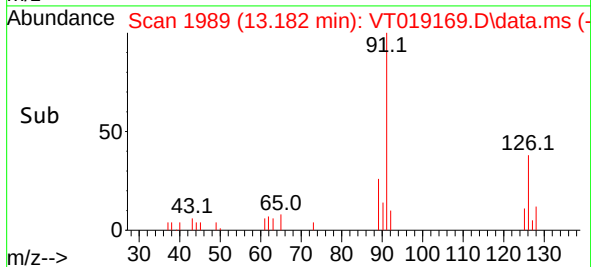
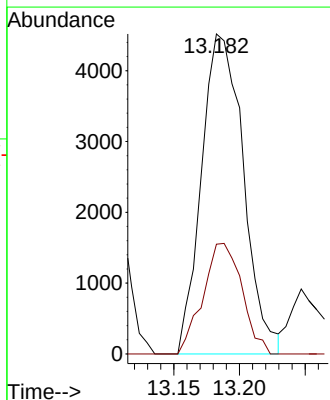
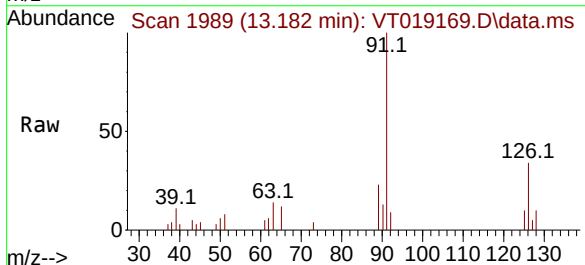
Manual Integrations
APPROVED

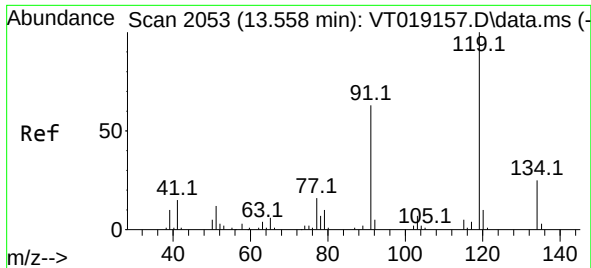
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#78
4-Chlorotoluene
Concen: 2.732 ug/l
RT: 13.182 min Scan# 1989
Delta R.T. -0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion: 91 Resp: 10025
Ion Ratio Lower Upper
91 100
126 32.1 0.0 57.2





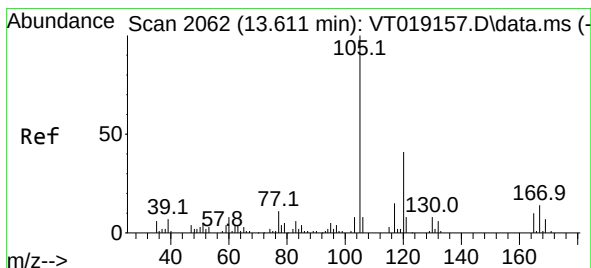
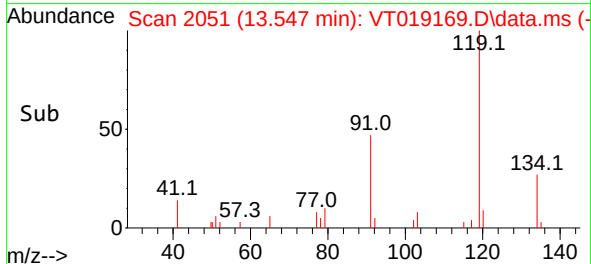
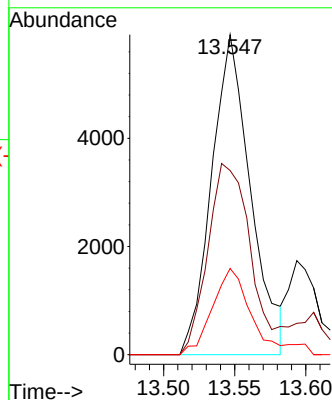
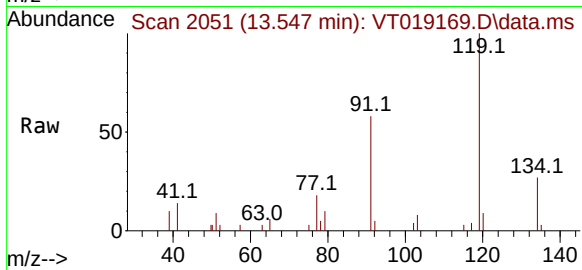
#79
tert-butylbenzene
Concen: 3.071 ug/l
RT: 13.547 min Scan# 2051
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:119 Resp: 11270
Ion Ratio Lower Upper
119 100
91 64.1 0.0 120.6
134 25.9 0.0 46.0

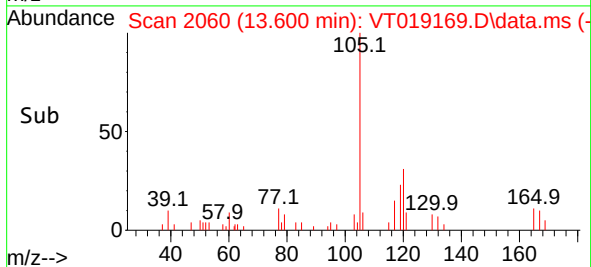
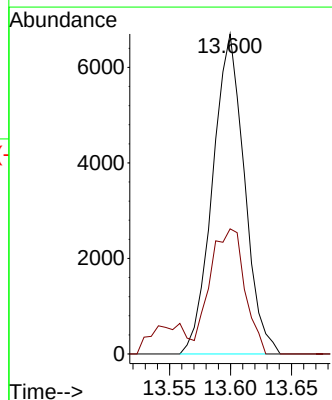
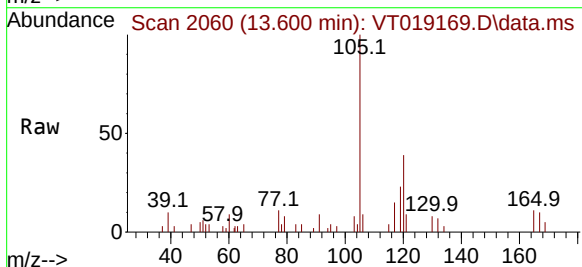
Manual Integrations
APPROVED

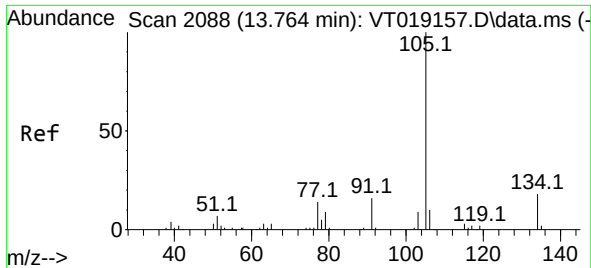
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#80
1,2,4-Trimethylbenzene
Concen: 2.813 ug/l
RT: 13.600 min Scan# 2060
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

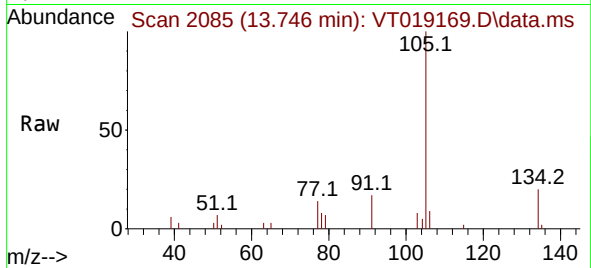
Tgt Ion:105 Resp: 12136
Ion Ratio Lower Upper
105 100
120 42.5 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 2.899 ug/l
 RT: 13.746 min Scan# 2088
 Delta R.T. -0.018 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00

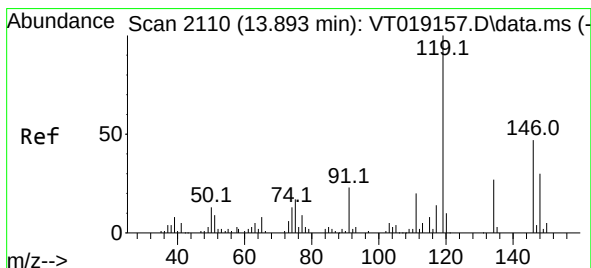
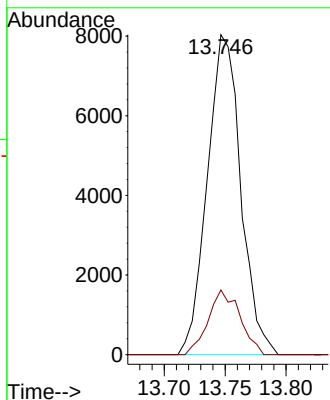
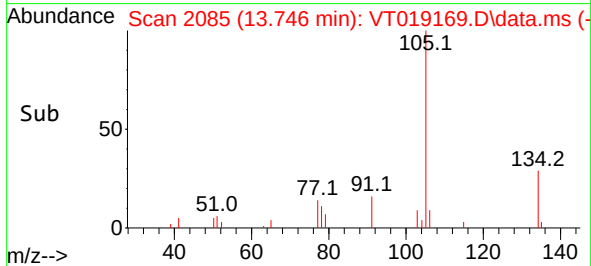
Instrument :
 MSVOA_T
 ClientSampleId :
 MDL02



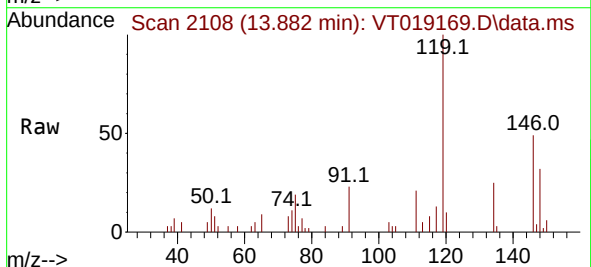
Tgt Ion:105 Resp: 1533
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.4

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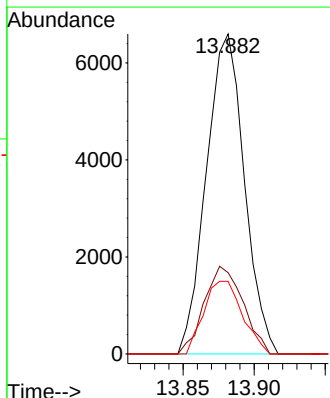
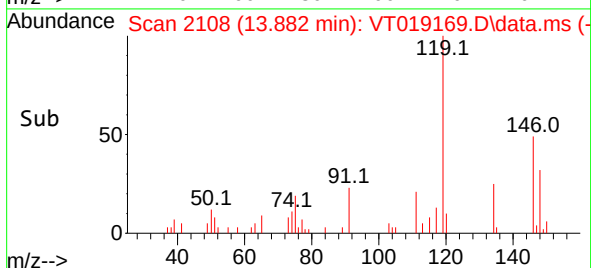
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

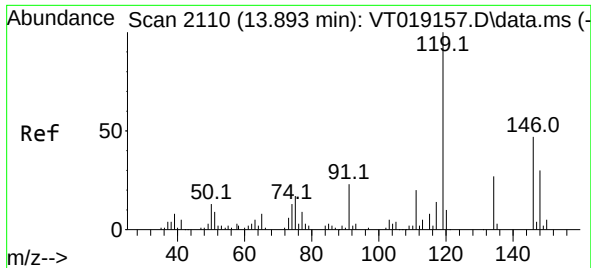


#82
 p-Isopropyltoluene
 Concen: 2.784 ug/l
 RT: 13.882 min Scan# 2108
 Delta R.T. -0.011 min
 Lab File: VT019169.D
 Acq: 23 Oct 2025 13:00



Tgt Ion:119 Resp: 12256
 Ion Ratio Lower Upper
 119 100
 134 28.0 0.0 50.8
 91 23.1 0.0 51.0





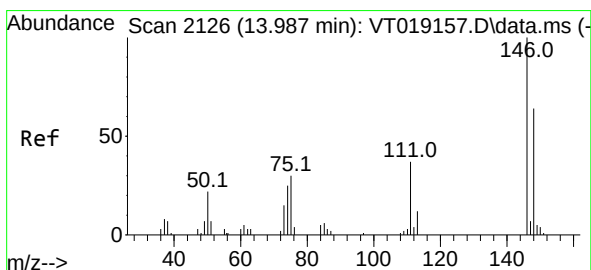
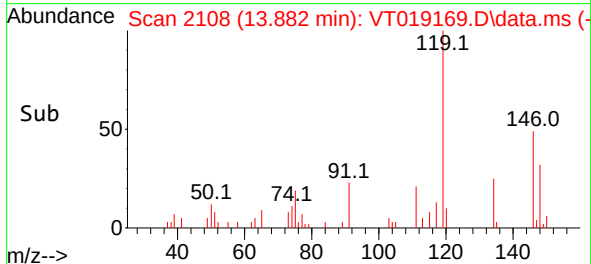
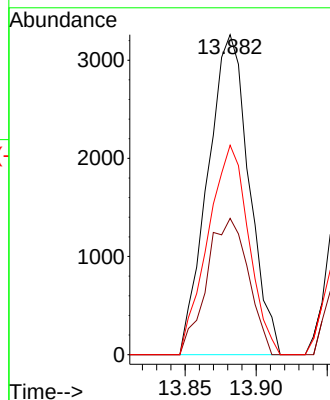
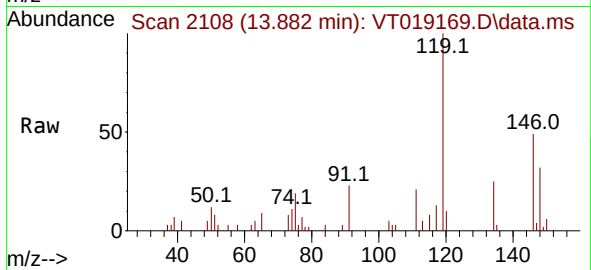
#83
1,3-Dichlorobenzene
Concen: 2.834 ug/l
RT: 13.882 min Scan# 2110
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:146 Resp: 658
Ion Ratio Lower Upper
146 100
111 42.8 20.7 62.1
148 64.7 31.8 95.3

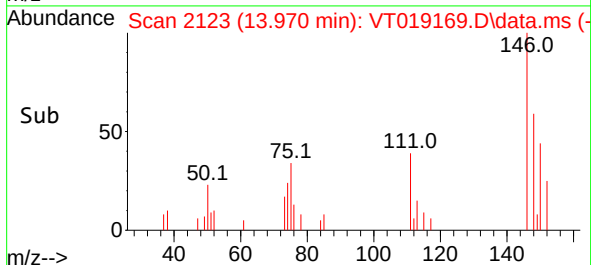
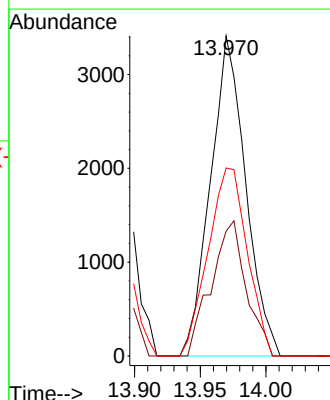
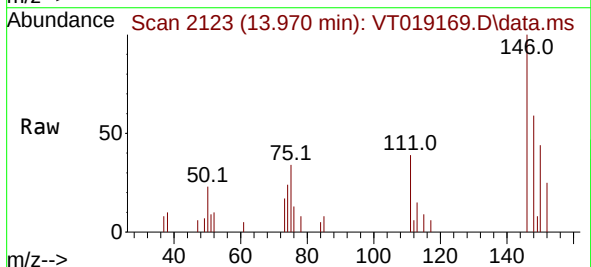
Manual Integrations
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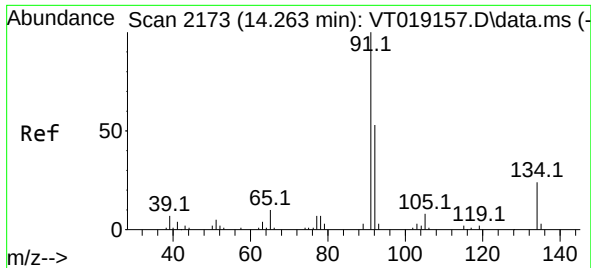
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#84
1,4-Dichlorobenzene
Concen: 2.727 ug/l
RT: 13.970 min Scan# 2123
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Tgt Ion:146 Resp: 6380
Ion Ratio Lower Upper
146 100
111 42.0 20.4 61.3
148 65.3 32.3 96.8





#85

n-Butylbenzene

Concen: 2.712 ug/l

RT: 14.252 min Scan# 2171

Delta R.T. -0.011 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

Instrument :

MSVOA_T

ClientSampleId :

MDL02

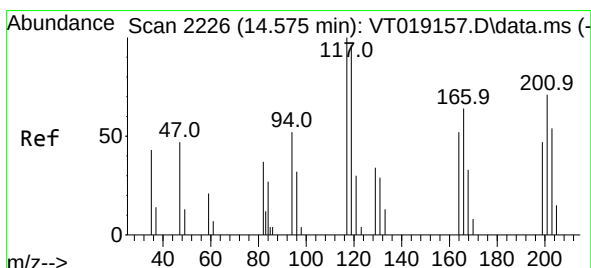
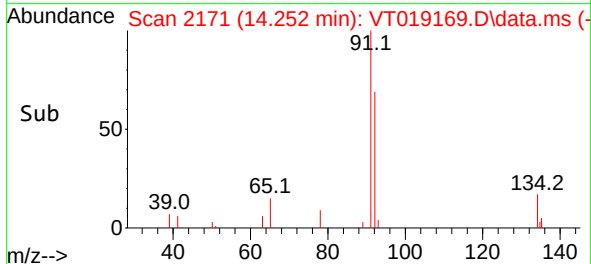
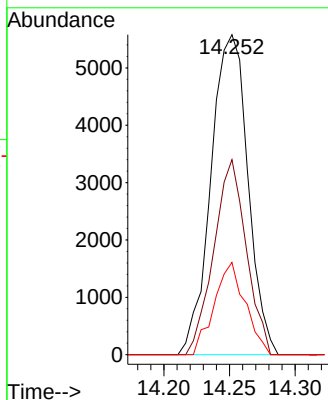
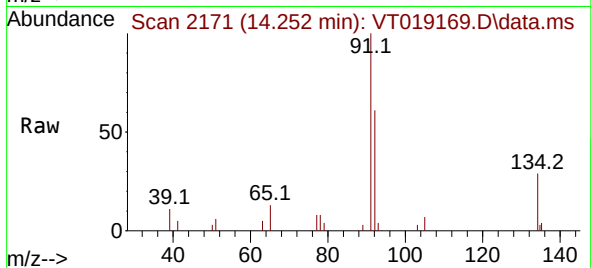
Tgt Ion: 91	Resp: 10920
Ion Ratio	Lower Upper
91 100	
92 53.7	0.0 107.8
134 24.3	0.0 50.0

Manual Integrations

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Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#86

Hexachloroethane

Concen: 2.721 ug/l

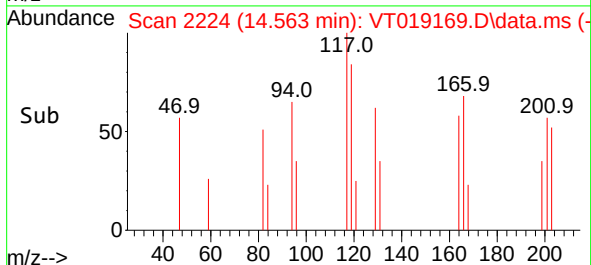
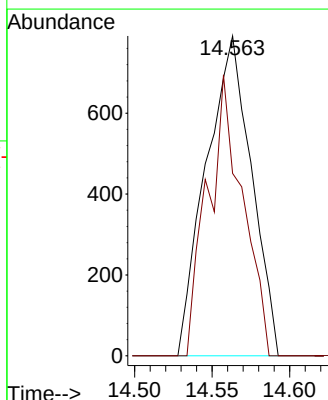
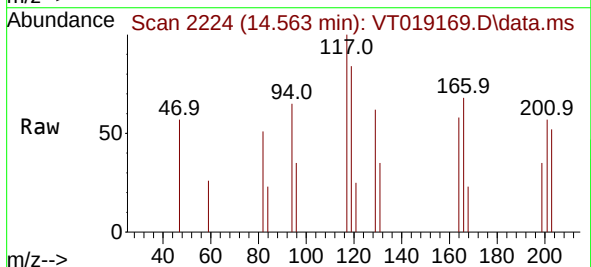
RT: 14.563 min Scan# 2224

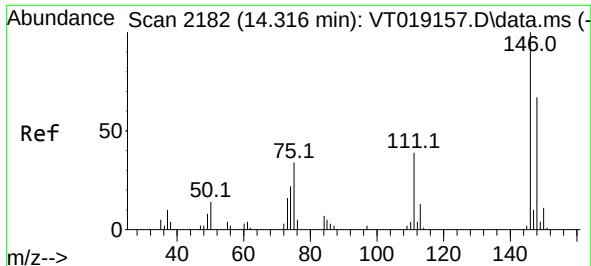
Delta R.T. -0.012 min

Lab File: VT019169.D

Acq: 23 Oct 2025 13:00

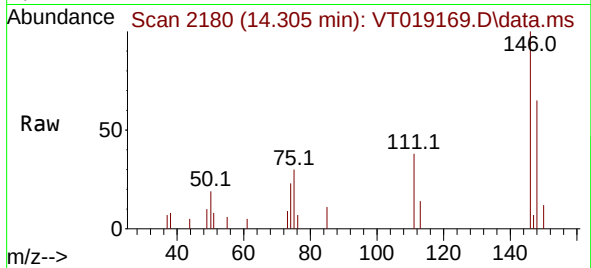
Tgt Ion: 117	Resp: 1605
Ion Ratio	Lower Upper
117 100	
201 67.7	0.5 1.5#





#87
1,2-Dichlorobenzene
Concen: 2.777 ug/l
RT: 14.305 min Scan# 2182
Delta R.T. -0.011 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

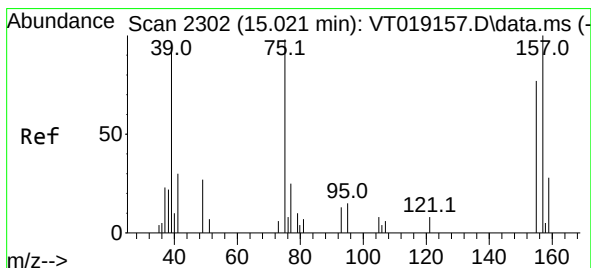
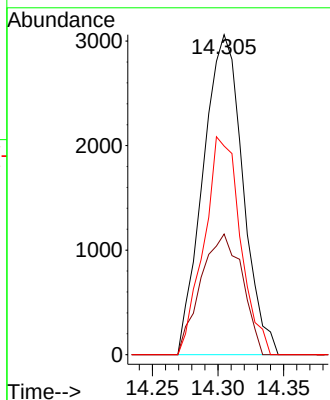
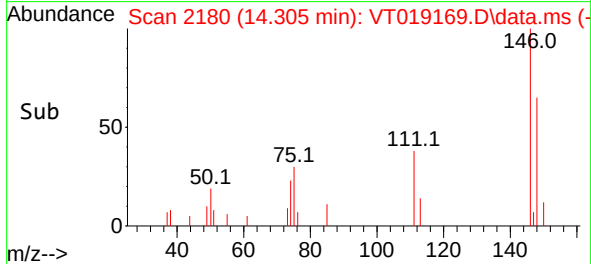
Instrument :
MSVOA_T
ClientSampleId :
MDL02



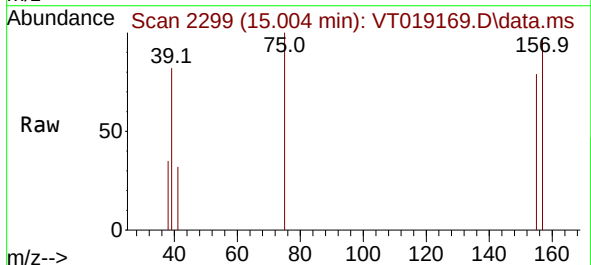
Tgt Ion:146 Resp: 6448
Ion Ratio Lower Upper
146 100
111 39.3 21.8 65.3
148 62.3 32.4 97.0

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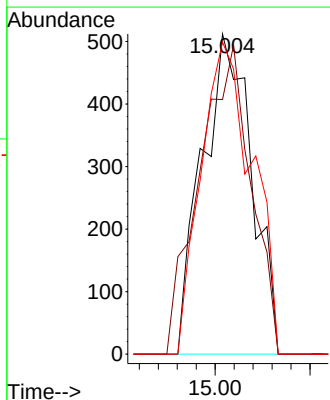
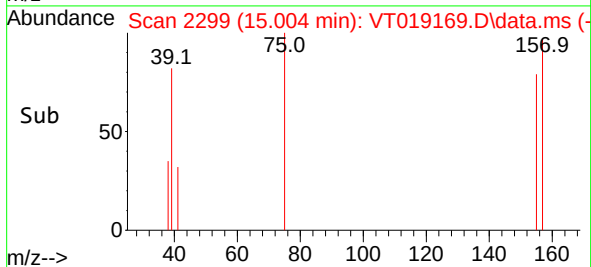
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

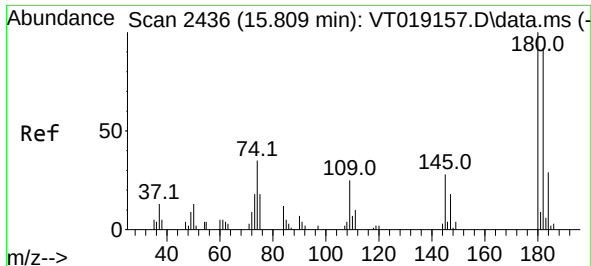


#88
1,2-Dibromo-3-Chloropropane
Concen: 2.136 ug/l
RT: 15.004 min Scan# 2299
Delta R.T. -0.017 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion: 75 Resp: 928
Ion Ratio Lower Upper
75 100
155 100.9 65.4 98.2#
157 80.2 82.0 123.0#





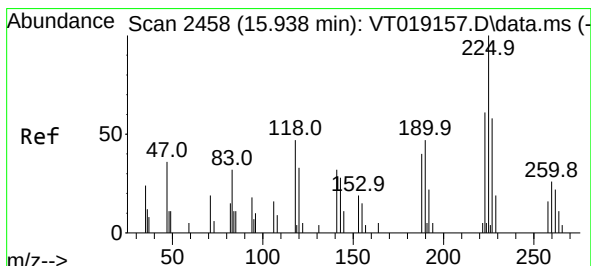
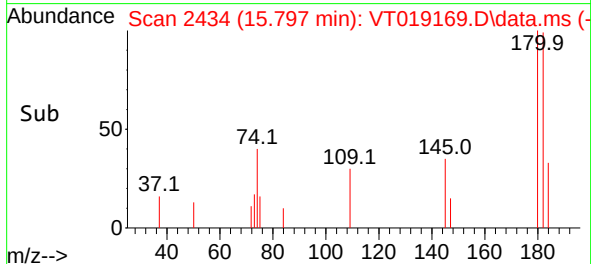
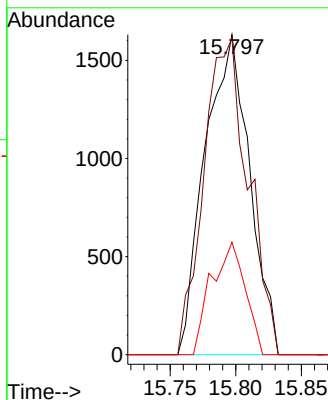
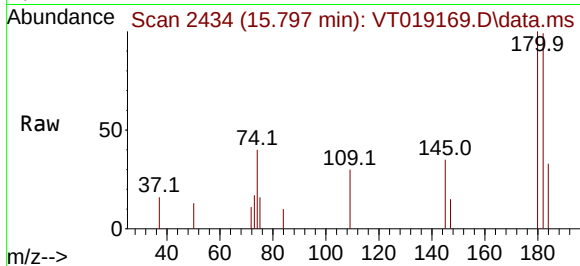
#89
1,2,4-Trichlorobenzene
Concen: 2.724 ug/l
RT: 15.797 min Scan# 2436
Delta R.T. -0.012 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

Instrument :
MSVOA_T
ClientSampleId :
MDL02

Tgt Ion:180 Resp: 3850
Ion Ratio Lower Upper
180 100
182 98.6 78.2 117.2
145 26.7 26.5 39.7

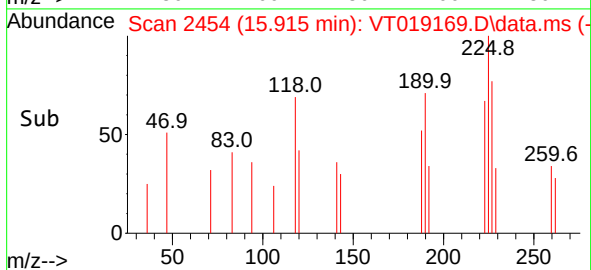
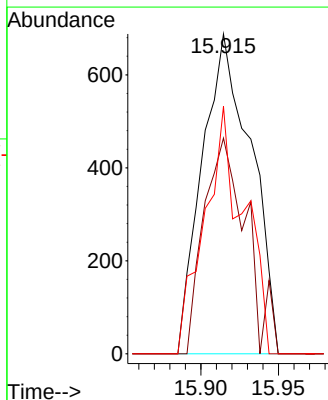
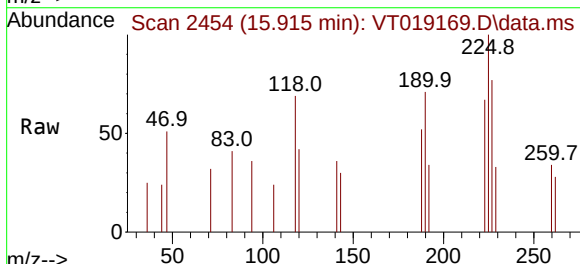
Manual Integrations
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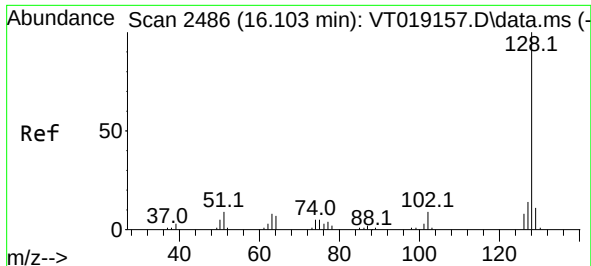
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#90
Hexachlorobutadiene
Concen: 3.214 ug/l
RT: 15.915 min Scan# 2454
Delta R.T. -0.023 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

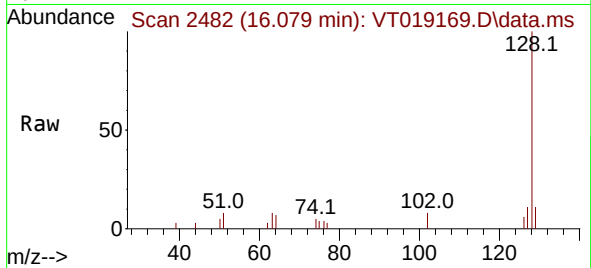
Tgt Ion:225 Resp: 1506
Ion Ratio Lower Upper
225 100
223 47.1 0.0 73.8
227 42.6 0.0 130.6





#91
Naphthalene
Concen: 2.750 ug/l
RT: 16.079 min Scan# 2486
Delta R.T. -0.018 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00

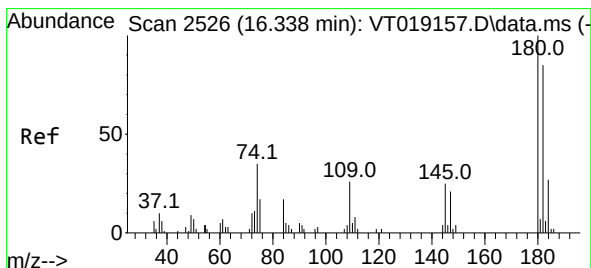
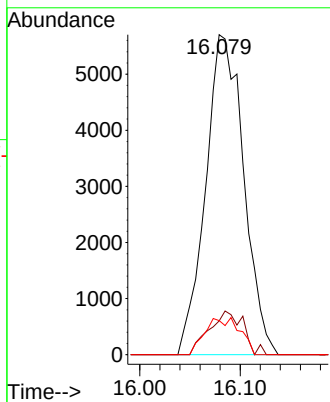
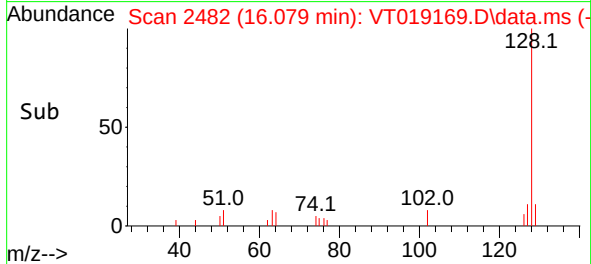
Instrument :
MSVOA_T
ClientSampleId :
MDL02



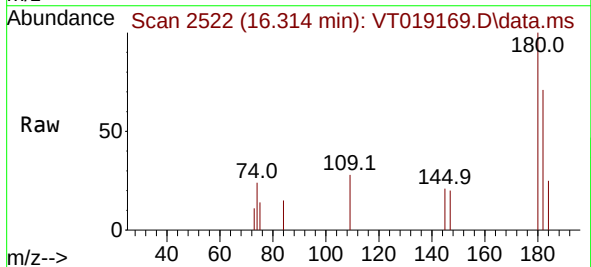
Tgt Ion:128 Resp: 1502
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5
129 6.4 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.908 ug/l
RT: 16.314 min Scan# 2522
Delta R.T. -0.024 min
Lab File: VT019169.D
Acq: 23 Oct 2025 13:00



Tgt Ion:180 Resp: 4149
Ion Ratio Lower Upper
180 100
182 88.2 0.0 189.0
145 14.4 0.0 69.2

