

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102225\
 Data File : VT019156.D
 Acq On : 22 Oct 2025 13:35
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 24 05:11:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 05:09:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.089	128	19045	30.000	ug/l	# 0.01
28) 1,4-Difluorobenzene	8.582	114	124337	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.755	117	104651	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.977	65	51618	30.936	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.133%			
60) 4-Bromofluorobenzene	12.889	95	48704	29.612	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.700%			
63) Toluene-d8	10.256	98	151798	29.802	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.889	85	5314	8.143	ug/l	92
3) Chloromethane	2.113	50	13644m	11.027	ug/l	
4) Vinyl Chloride	2.201	62	13799	9.848	ug/l	94
5) Bromomethane	2.565	94	12872	10.490	ug/l	97
6) Chloroethane	2.694	64	12773	10.529	ug/l	97
7) Trichlorofluoromethane	3.000	101	21376	9.830	ug/l	96
8) Diethyl Ether	3.364	74	14091	10.525	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.693	101	8091	9.477	ug/l	97
10) 1,1-Dichloroethene	3.670	96	8318	9.726	ug/l	86
11) Methyl Iodide	3.881	142	7245	8.478	ug/l	# 13
12) Methyl Acetate	4.234	43	39595	11.708	ug/l	98
13) Acrolein	3.546	56	5024	44.047	ug/l	95
14) Acrylonitrile	4.857	53	54344	52.133	ug/l	99
15) Acetone	3.746	58	18728	50.426	ug/l	98
16) Carbon Disulfide	3.975	76	16013	10.025	ug/l	99
17) Allyl chloride	4.234	41	20096	9.885	ug/l	87
18) Methylene Chloride	4.451	84	13914	10.908	ug/l	87
19) trans-1,2-Dichloroethene	6.696	96	13632	10.360	ug/l	98
20) Diisopropyl ether	5.814	45	52539	10.152	ug/l	# 67
21) 1,1-Dichloroethane	5.714	63	25018	10.346	ug/l	98
22) cis-1,2-Dichloroethene	6.696	96	13632	10.360	ug/l	94
23) tert-Butyl Alcohol	4.674	59	23071	50.518	ug/l	# 100
24) Methyl tert-Butyl Ether	4.921	73	52859	10.275	ug/l	97
25) Chloroform	7.277	83	22886	10.346	ug/l	96
26) Cyclohexane	7.571	56	14222	10.022	ug/l	# 97
29) 1,1-Dichloropropene	7.718	75	12383	9.518	ug/l	95
30) 2-Butanone	6.713	43	78674	49.058	ug/l	99
31) 2,2-Dichloropropane	6.702	77	18581	9.754	ug/l	93
32) 1,1,1-Trichloroethane	7.477	97	16094	9.818	ug/l	# 80
33) Carbon Tetrachloride	7.700	117	9774	9.306	ug/l	# 93
34) Benzene	7.988	78	47933	9.944	ug/l	# 66
35) Methacrylonitrile	7.066	41	14567	10.672	ug/l	95
36) 1,2-Dichloroethane	8.076	62	17984	10.064	ug/l	96
37) Trichloroethene	8.852	130	8817	9.943	ug/l	98
38) Methylcyclohexane	9.128	83	11813	9.016	ug/l	97
39) 1,2-Dichloropropane	9.175	63	12479	9.885	ug/l	# 89
40) Dibromomethane	9.269	93	8062	10.357	ug/l	# 73
41) Bromodichloromethane	10.791	83	10227	10.228	ug/l	# 96
42) Vinyl Acetate	5.756	43	179148	45.532	ug/l	99

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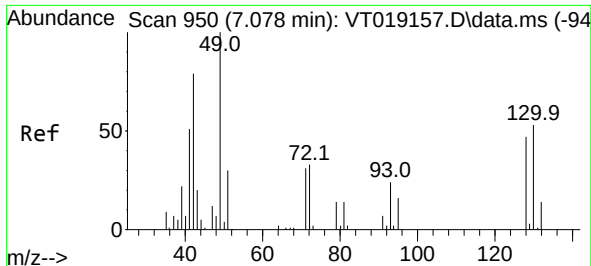
Manual Integrations
 APPROVED

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

Quant Time: Oct 24 05:11:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.807	43	26330	9.988	ug/l #	92
44) Isopropyl Acetate	8.129	43	40868	9.850	ug/l	98
45) 1,4-Dioxane	9.269	88	7043	195.671	ug/l #	71
46) Methyl methacrylate	9.263	41	18097	9.755	ug/l	81
47) n-amyl Acetate	12.501	43	25343	9.077	ug/l	99
48) t-1,3-Dichloropropene	10.591	75	17455	9.621	ug/l	99
49) cis-1,3-Dichloropropene	9.974	75	18724	9.825	ug/l	98
50) 1,1,2-Trichloroethane	10.791	97	11276	9.849	ug/l	89
51) Ethyl methacrylate	10.644	69	20774	9.682	ug/l	93
52) 1,3-Dichloropropane	10.955	76	21120	10.328	ug/l	100
53) Dibromochloromethane	11.179	129	10051	9.406	ug/l #	1
54) 1,2-Dibromoethane	11.302	107	10774	10.118	ug/l	97
55) 2-Chloroethyl vinyl ether	9.816	63	26496	42.341	ug/l	98
56) Bromoform	12.577	173	6338	9.027	ug/l #	23
58) 4-Methyl-2-Pentanone	10.139	43	123855	48.327	ug/l	98
59) 2-Hexanone	10.139	43	123855	48.327	ug/l #	83
61) Tetrachloroethene	10.867	164	6232	9.421	ug/l	94
62) Toluene	10.333	91	45305	9.665	ug/l	99
64) Chlorobenzene	11.790	112	28050	9.797	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.872	131	8713	9.343	ug/l	90
66) Ethyl Benzene	11.872	91	48125	9.447	ug/l	98
67) m/p-Xylenes	12.001	106	36011	19.016	ug/l	99
68) o-Xylene	12.371	106	19224	9.835	ug/l	94
69) Styrene	12.389	104	33925	9.667	ug/l	95
70) Isopropylbenzene	12.712	105	46466	9.691	ug/l	99
71) 1,1,2,2-Tetrachloroethane	13.000	83	19132	10.170	ug/l #	97
72) 1,2,3-Trichloropropane	13.065	75	11596m	7.821	ug/l	
73) Bromobenzene	13.035	156	11619	10.305	ug/l	69
74) n-propylbenzene	13.106	91	55248	9.556	ug/l	98
75) 2-Chlorotoluene	13.312	91	33899	9.578	ug/l	100
76) 1,3,5-Trimethylbenzene	13.259	105	37686	9.581	ug/l	96
77) t-1,4-Dichloro-2-butene	12.771	75	6028	8.935	ug/l	82
78) 4-Chlorotoluene	13.200	91	33217	9.514	ug/l	93
79) tert-butylbenzene	13.564	119	32930	9.426	ug/l	92
80) 1,2,4-Trimethylbenzene	13.611	105	38747	9.441	ug/l	99
81) sec-Butylbenzene	13.764	105	47115	9.360	ug/l	100
82) p-Isopropyltoluene	13.893	119	39041	9.323	ug/l	98
83) 1,3-Dichlorobenzene	13.893	146	21163	9.571	ug/l	100
84) 1,4-Dichlorobenzene	13.987	146	21276	9.557	ug/l	99
85) n-Butylbenzene	14.263	91	34176	8.917	ug/l	98
86) Hexachloroethane	14.575	117	4587	8.173	ug/l #	1
87) 1,2-Dichlorobenzene	14.316	146	21707	9.827	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	15.015	75	3854	9.325	ug/l	95
89) 1,2,4-Trichlorobenzene	15.809	180	13057	9.710	ug/l	92
90) Hexachlorobutadiene	15.932	225	4149	9.306	ug/l	80
91) Naphthalene	16.097	128	51289	9.868	ug/l	99
92) 1,2,3-Trichlorobenzene	16.337	180	12943	9.536	ug/l	97

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



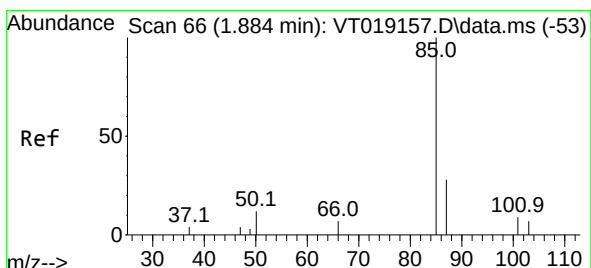
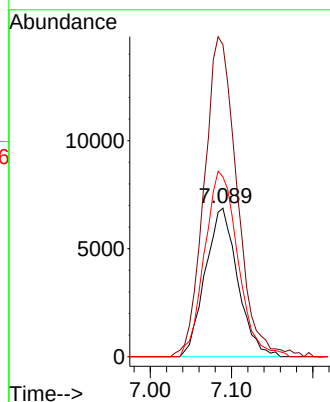
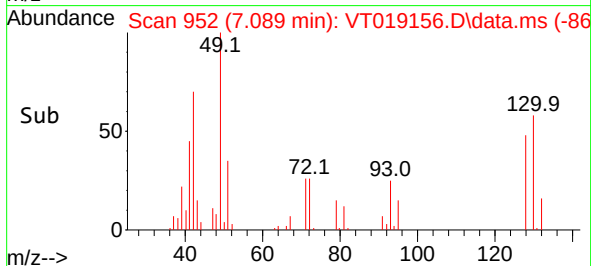
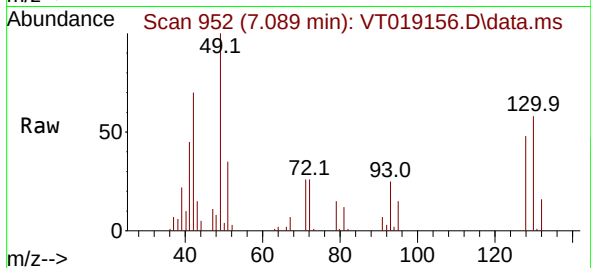
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.089 min Scan# 91
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 1904
Ion Ratio Lower Upper
128 100
49 216.0 0.0 0.0
130 128.4 0.0 0.0

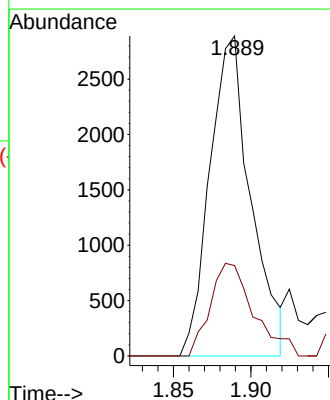
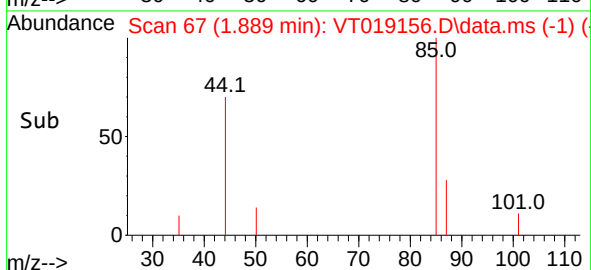
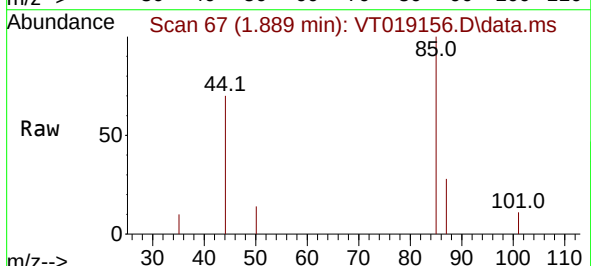
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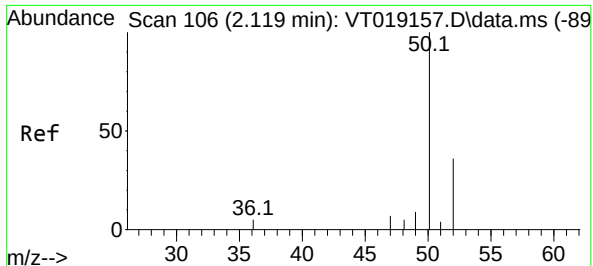
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#2
Dichlorodifluoromethane
Concen: 8.143 ug/l
RT: 1.889 min Scan# 67
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

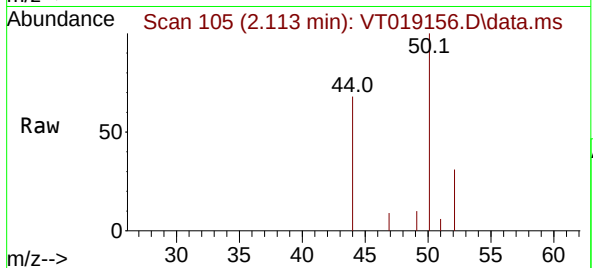
Tgt Ion: 85 Resp: 5314
Ion Ratio Lower Upper
85 100
87 28.2 16.4 49.1





#3
Chloromethane
Concen: 11.027 ug/l m
RT: 2.113 min Scan# 105
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

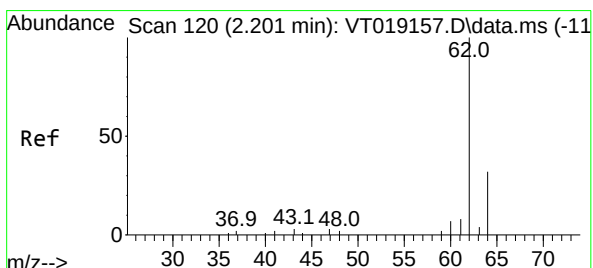
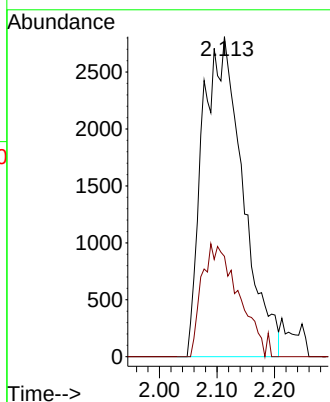
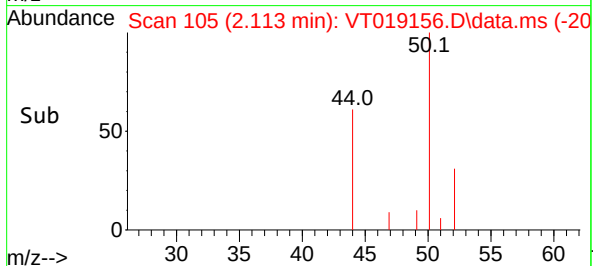
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 1364
Ion Ratio Lower Upper
50 100
52 31.3 24.4 36.6

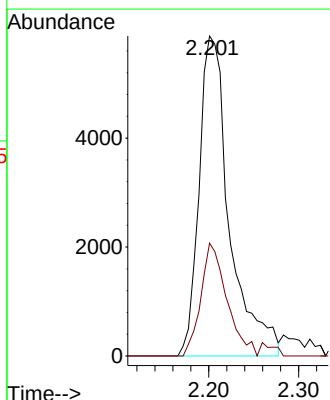
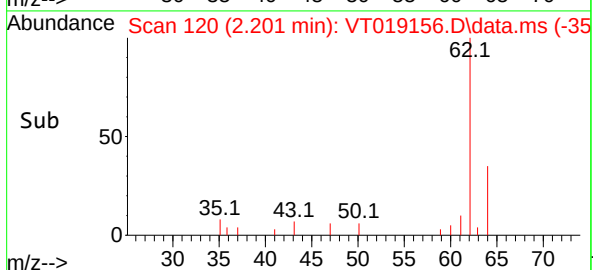
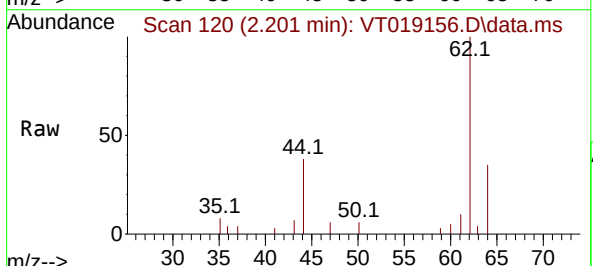
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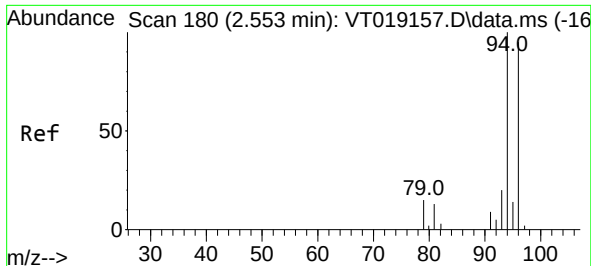
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#4
Vinyl Chloride
Concen: 9.848 ug/l
RT: 2.201 min Scan# 120
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 62 Resp: 13799
Ion Ratio Lower Upper
62 100
64 35.3 25.7 38.5





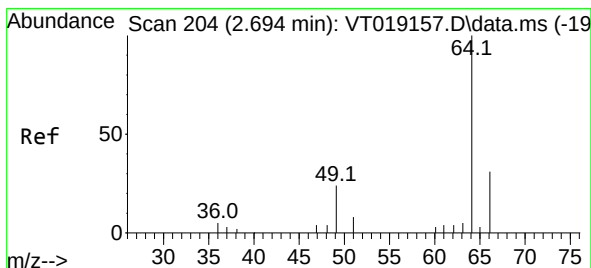
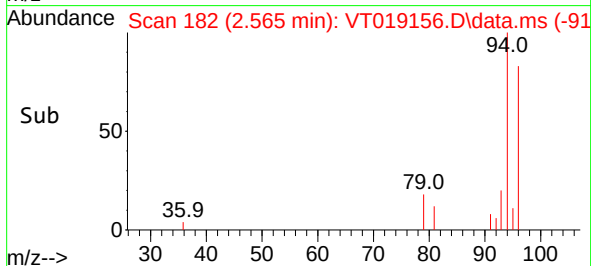
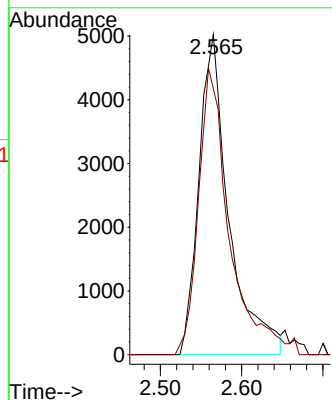
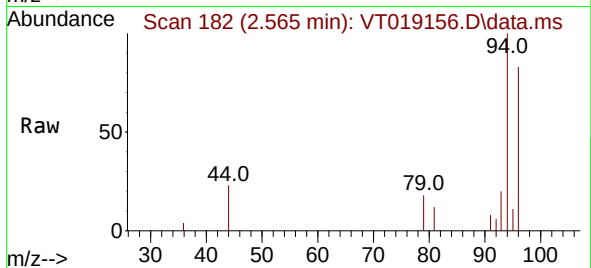
#5
Bromomethane
Concen: 10.490 ug/l
RT: 2.565 min Scan# 180
Delta R.T. 0.035 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 12872
Ion Ratio Lower Upper
94 100
96 80.1 66.0 99.0

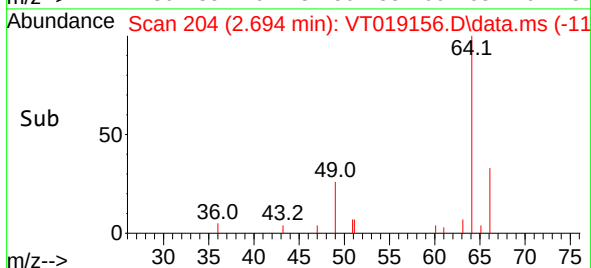
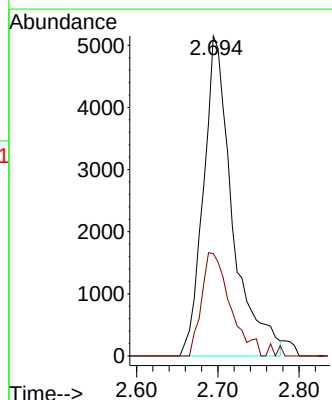
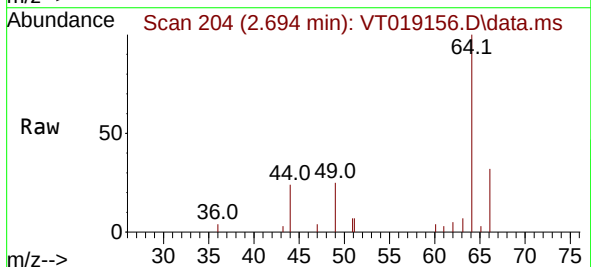
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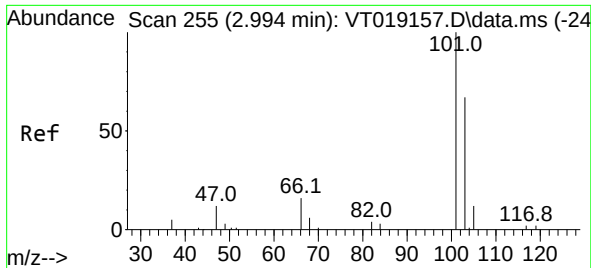
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#6
Chloroethane
Concen: 10.529 ug/l
RT: 2.694 min Scan# 204
Delta R.T. 0.017 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 64 Resp: 12773
Ion Ratio Lower Upper
64 100
66 32.0 24.3 36.5





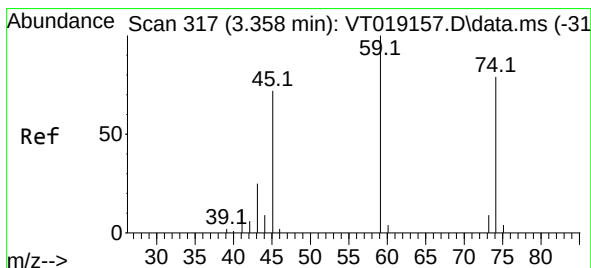
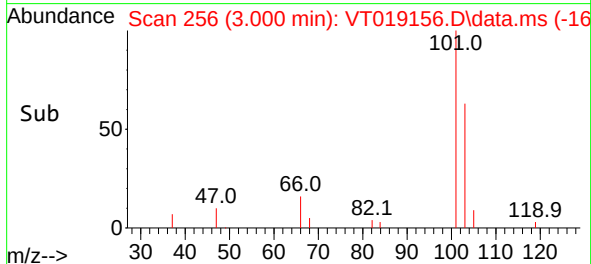
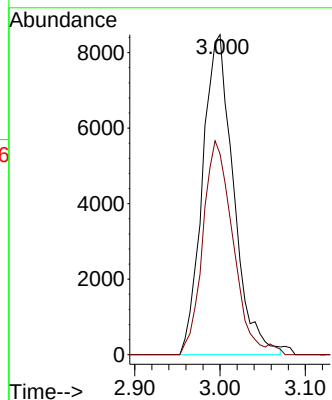
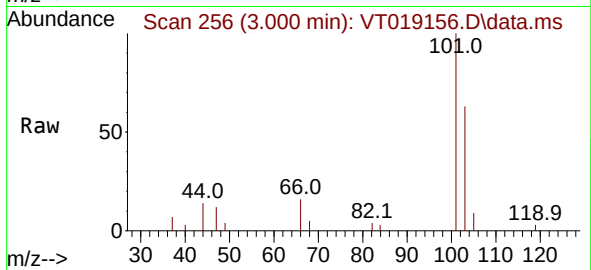
#7
Trichlorofluoromethane
Concen: 9.830 ug/l
RT: 3.000 min Scan# 21370
Delta R.T. 0.018 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 21370
Ion Ratio Lower Upper
101 100
103 62.7 52.4 78.6

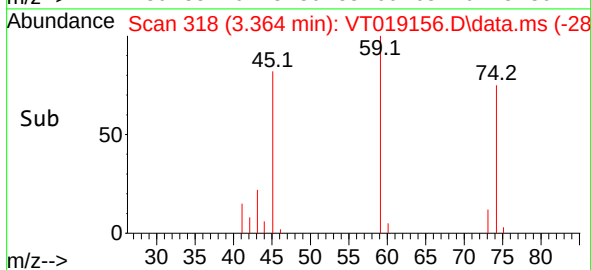
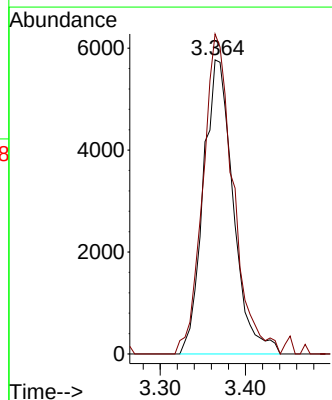
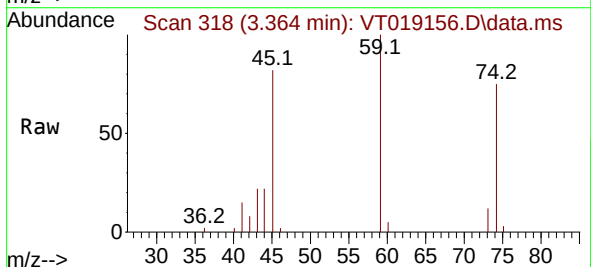
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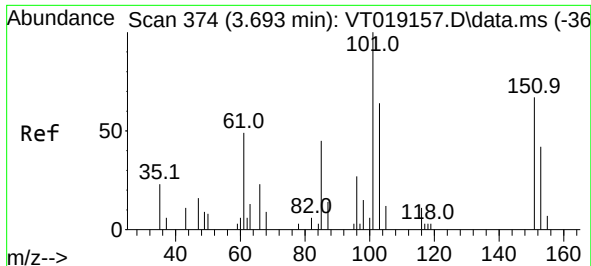
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#8
Diethyl Ether
Concen: 10.525 ug/l
RT: 3.364 min Scan# 318
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 74 Resp: 14091
Ion Ratio Lower Upper
74 100
45 108.7 22.0 197.6





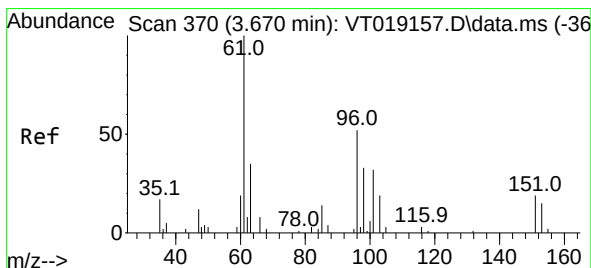
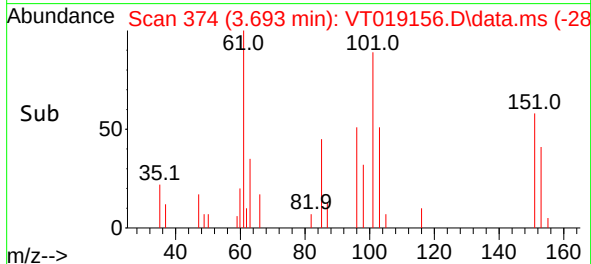
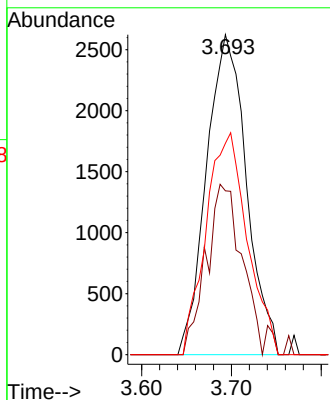
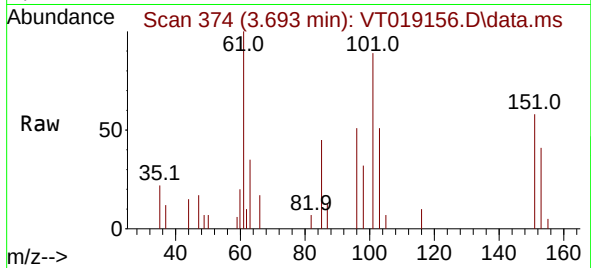
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1,1,2-Trichlorotrifluoroethane
Concen: 9.477 ug/l
RT: 3.693 min Scan# 31
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 809
Ion Ratio Lower Upper
101 100
85 47.5 0.0 91.8
151 71.7 0.0 137.2

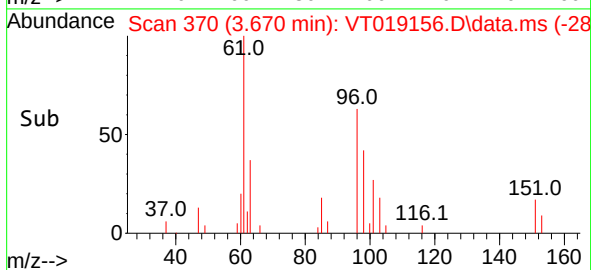
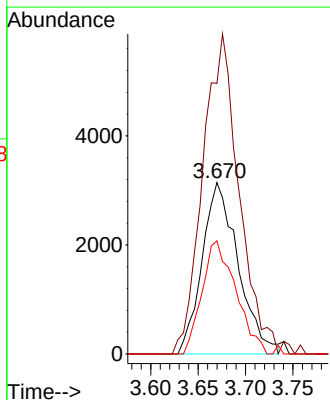
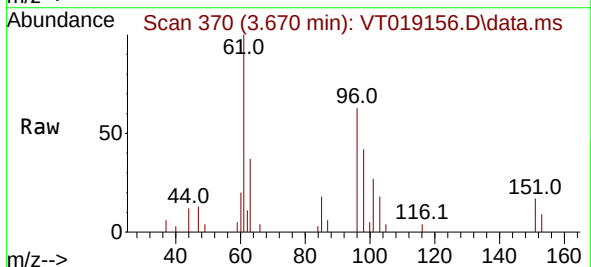
Manual Integrations
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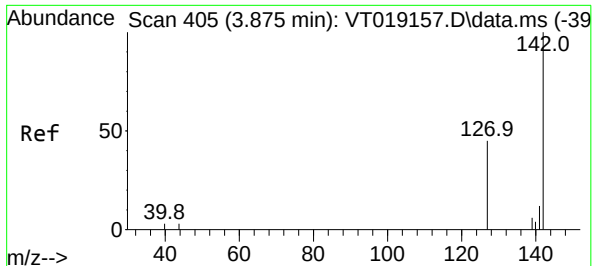
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#10
1,1-Dichloroethene
Concen: 9.726 ug/l
RT: 3.670 min Scan# 370
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

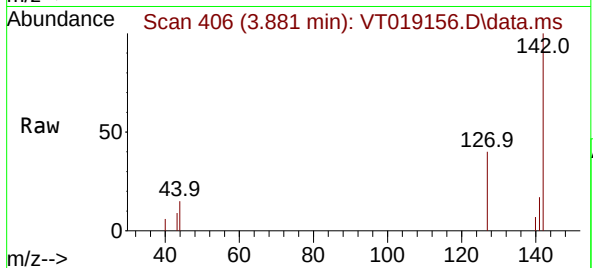
Tgt Ion: 96 Resp: 8318
Ion Ratio Lower Upper
96 100
61 157.9 145.5 218.3
98 66.0 49.5 74.3





#11
Methyl Iodide
Concen: 8.478 ug/l
RT: 3.881 min Scan# 405
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

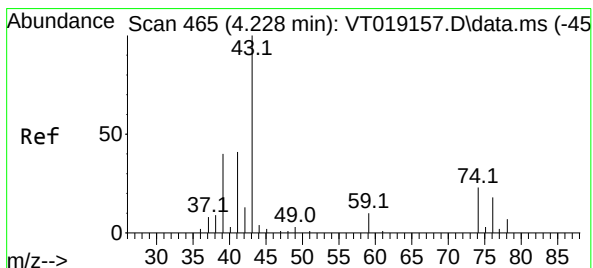
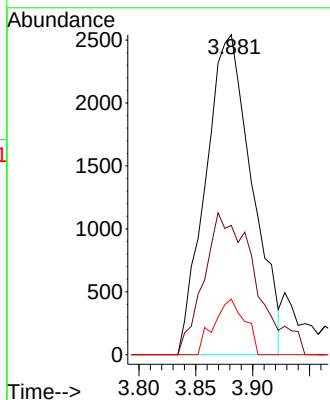
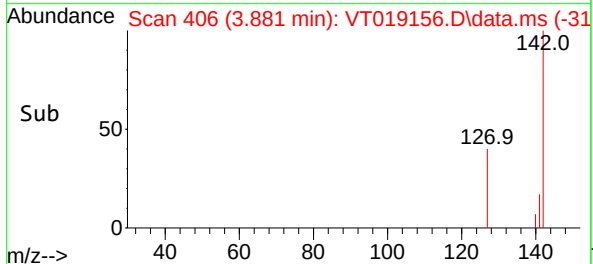
Instrument :
MSVOA_T
Client Sample Id :
VSTDIC010



Tgt Ion:142 Resp: 7245
Ion Ratio Lower Upper
142 100
127 39.4 0.9 2.8
141 18.7 55.5 166.5

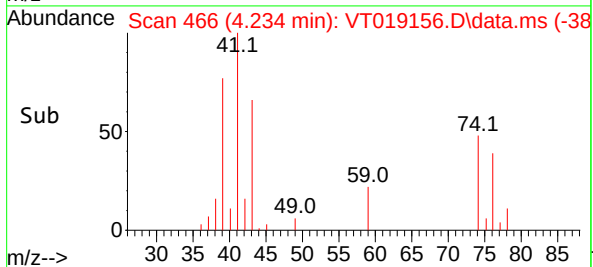
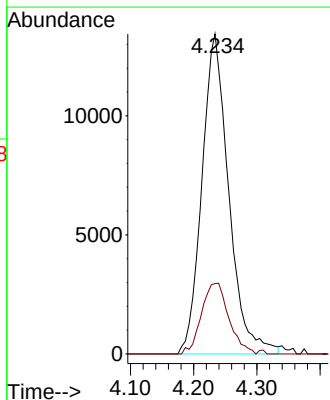
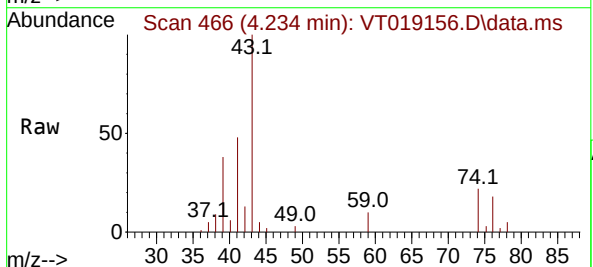
Manual Integrations
APPROVED

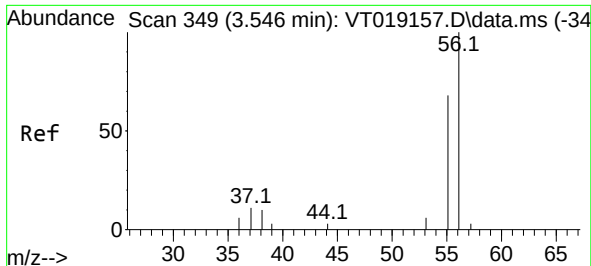
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#12
Methyl Acetate
Concen: 11.708 ug/l
RT: 4.234 min Scan# 466
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

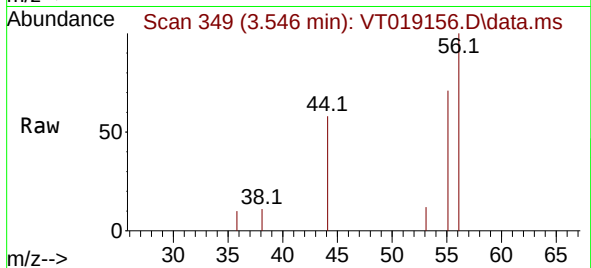
Tgt Ion: 43 Resp: 39595
Ion Ratio Lower Upper
43 100
74 22.3 18.4 27.6





#13
Acrolein
Concen: 44.047 ug/l
RT: 3.546 min Scan# 349
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

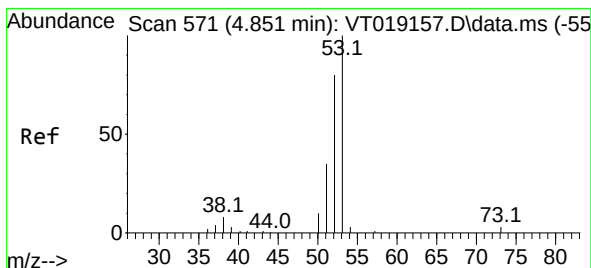
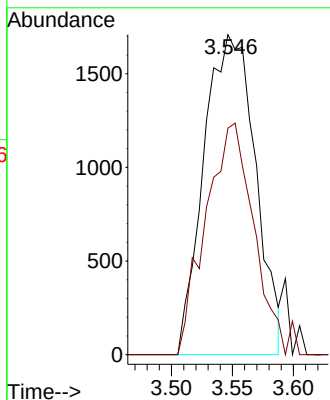
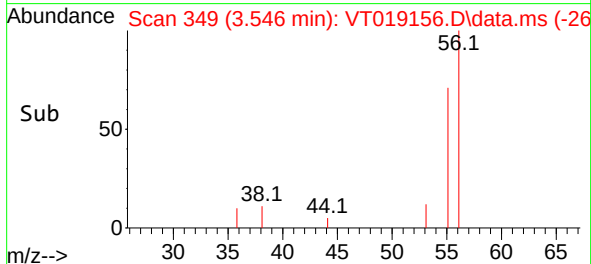
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



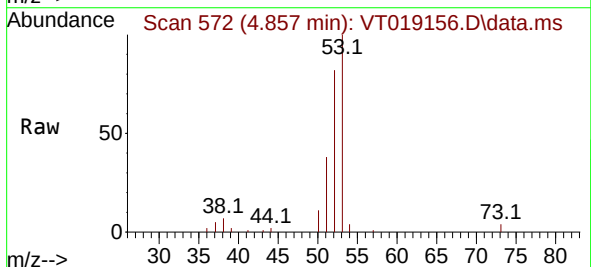
Tgt Ion: 56 Resp: 5024
Ion Ratio Lower Upper
56 100
55 66.8 56.8 85.2

Manual Integrations
APPROVED

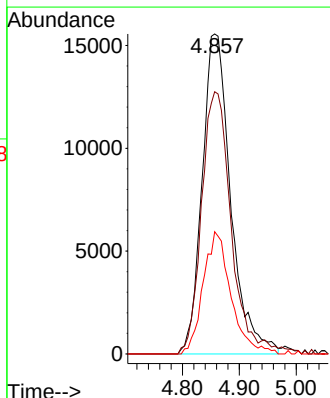
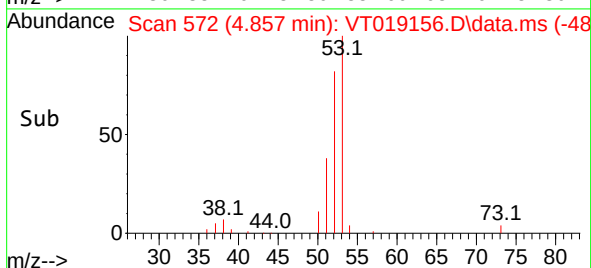
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

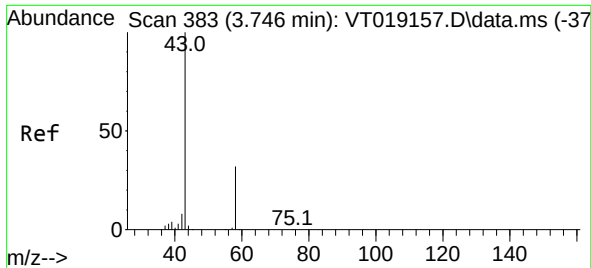


#14
Acrylonitrile
Concen: 52.133 ug/l
RT: 4.857 min Scan# 572
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



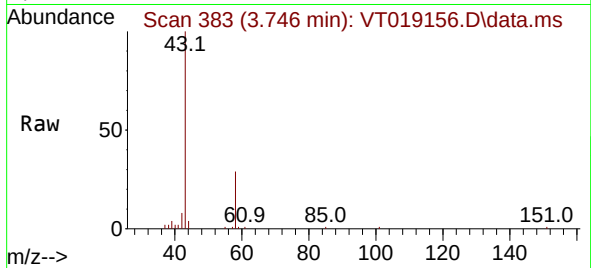
Tgt Ion: 53 Resp: 54344
Ion Ratio Lower Upper
53 100
52 82.4 41.3 123.7
51 36.3 17.2 51.5





#15
Acetone
Concen: 50.426 ug/l
RT: 3.746 min Scan# 383
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

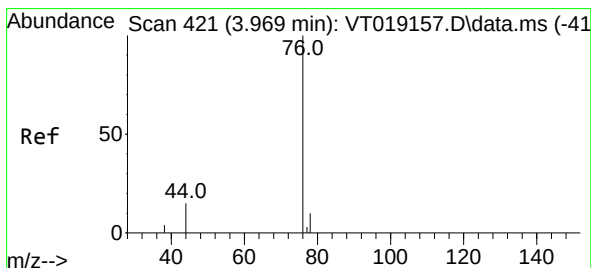
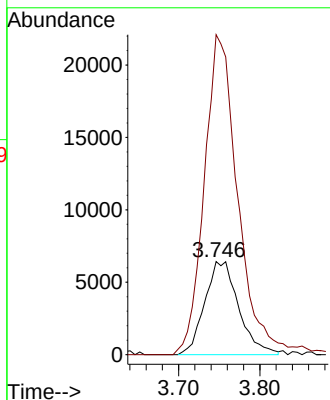
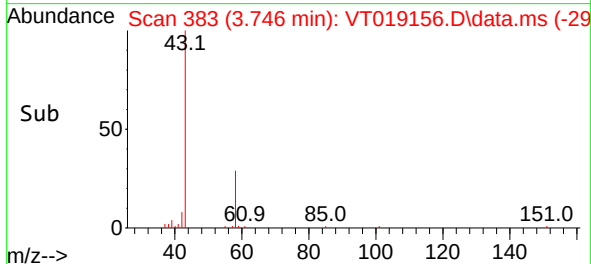
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



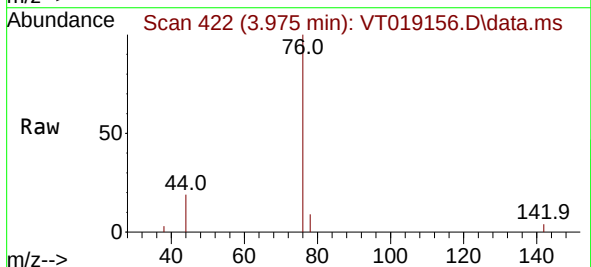
Tgt Ion: 58 Resp: 18728
Ion Ratio Lower Upper
58 100
43 338.2 266.9 400.3

Manual Integrations
APPROVED

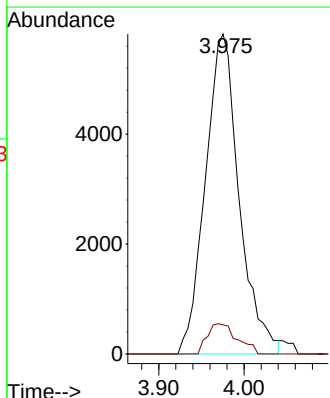
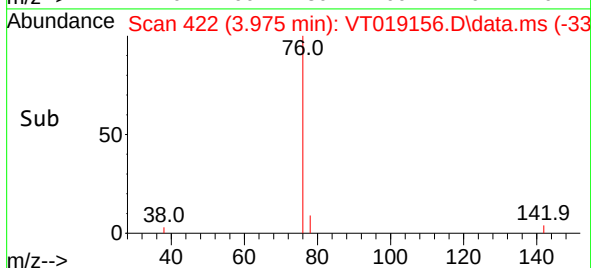
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

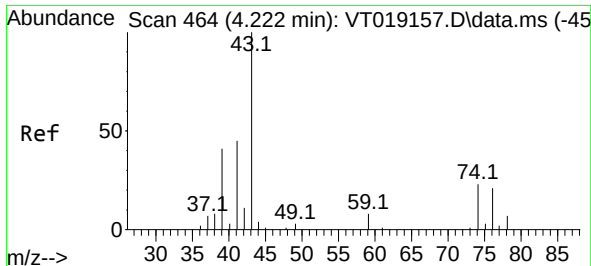


#16
Carbon Disulfide
Concen: 10.025 ug/l
RT: 3.975 min Scan# 422
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



Tgt Ion: 76 Resp: 16013
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7





#17

Allyl chloride

Concen: 9.885 ug/l

RT: 4.234 min Scan# 41

Delta R.T. 0.012 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

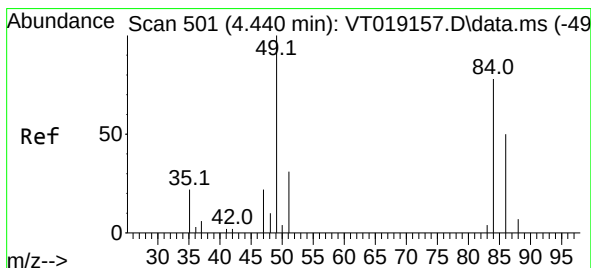
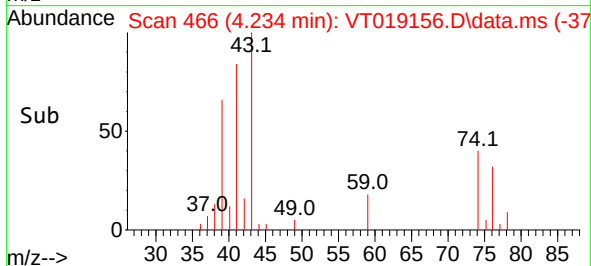
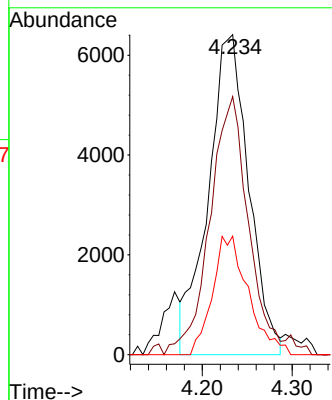
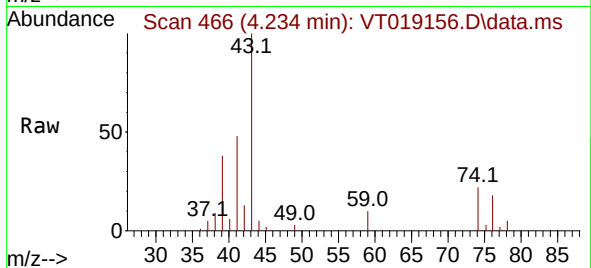
Tgt Ion:	41	Resp:	20090
Ion	Ratio	Lower	Upper
41	100		
39	80.7	34.3	102.8
76	39.1	16.7	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#18

Methylene Chloride

Concen: 10.908 ug/l

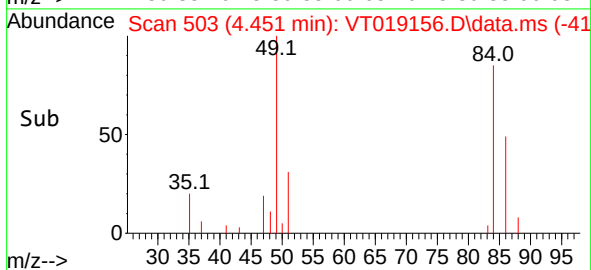
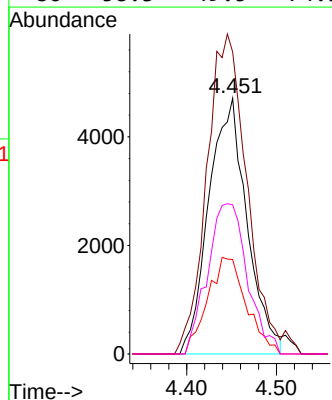
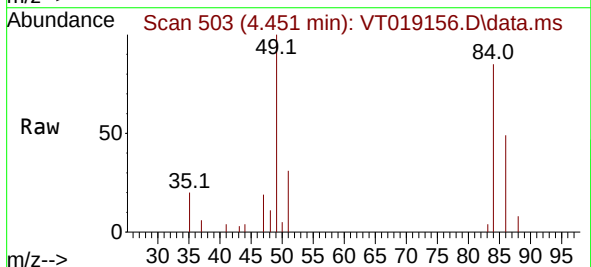
RT: 4.451 min Scan# 503

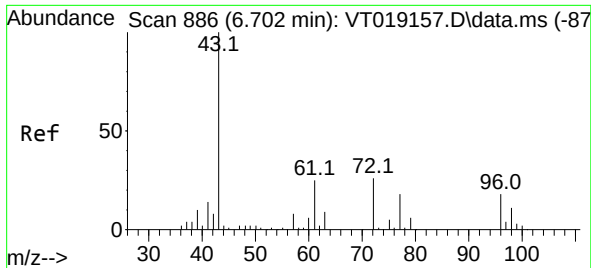
Delta R.T. 0.023 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

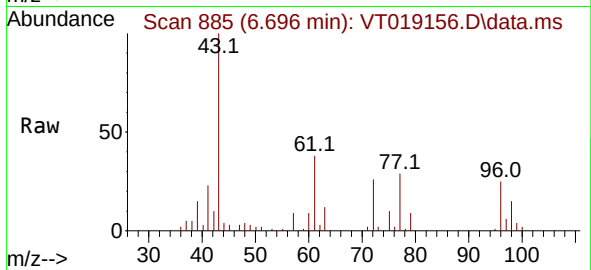
Tgt Ion:	84	Resp:	13914
Ion	Ratio	Lower	Upper
84	100		
49	113.9	107.9	161.9
51	36.9	33.4	50.2
86	58.3	49.5	74.3





#19
trans-1,2-Dichloroethene
Concen: 10.360 ug/l
RT: 6.696 min Scan# 886
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

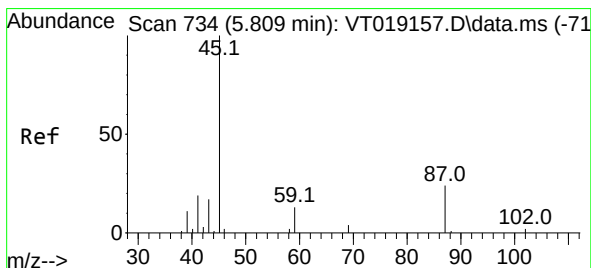
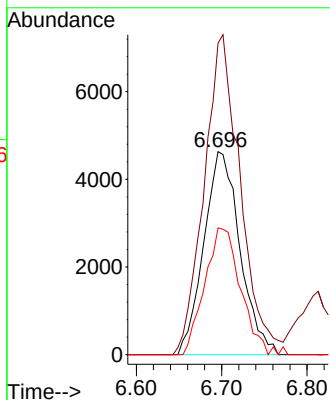
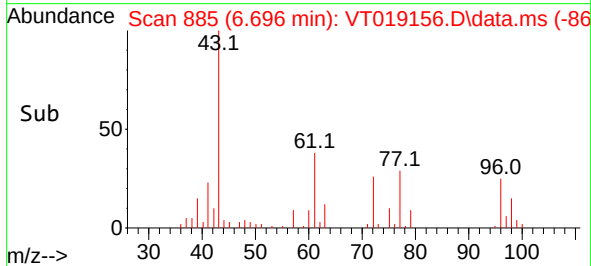
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 13632
Ion Ratio Lower Upper
96 100
61 149.8 122.3 183.5
98 62.4 50.2 75.2

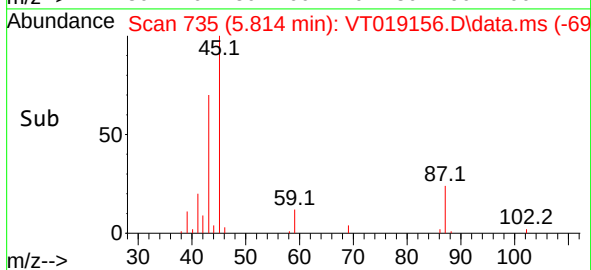
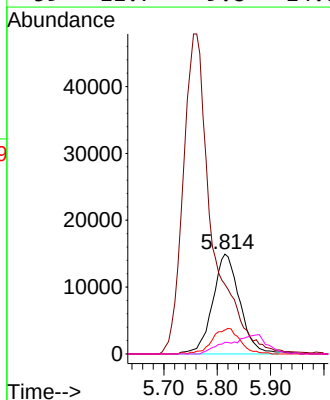
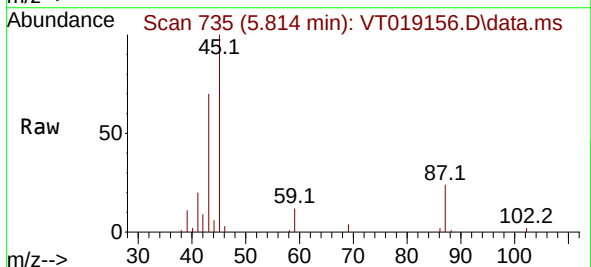
Manual Integrations
APPROVED

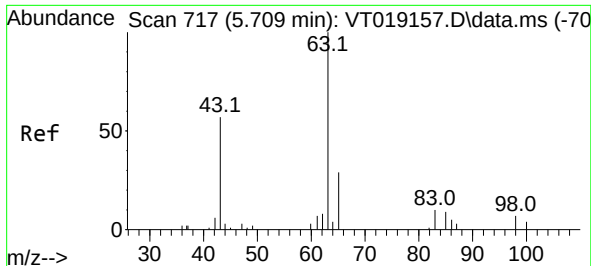
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Diisopropyl ether
Concen: 10.152 ug/l
RT: 5.814 min Scan# 735
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 45 Resp: 52539
Ion Ratio Lower Upper
45 100
43 65.5 89.1 133.7#
87 24.1 21.3 31.9
59 11.7 9.8 14.8





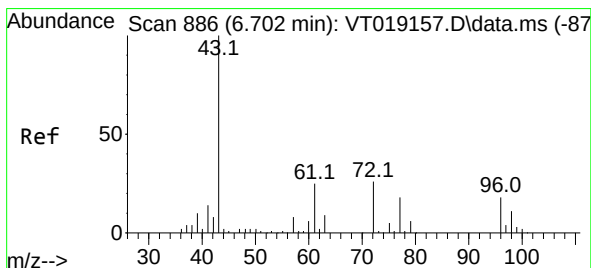
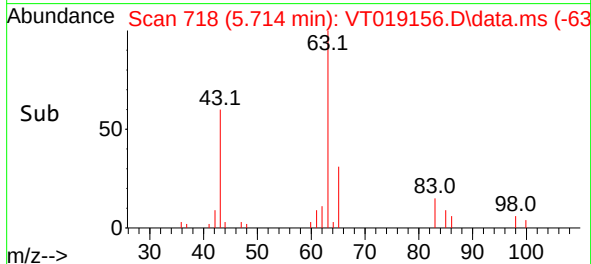
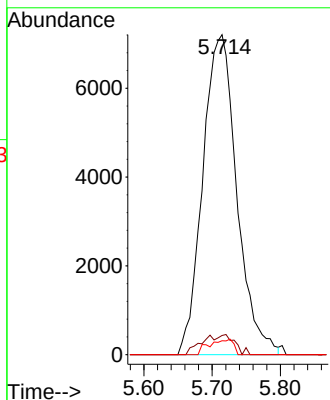
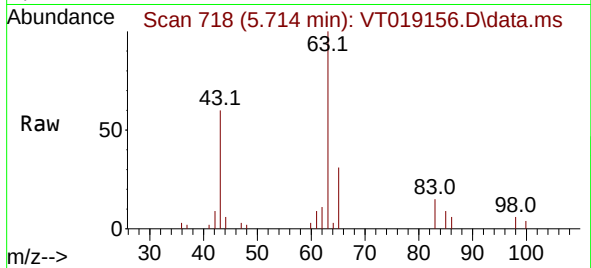
#21
1,1-Dichloroethane
Concen: 10.346 ug/l
RT: 5.714 min Scan# 718
Delta R.T. 0.005 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion: 63 Resp: 25018
Ion Ratio Lower Upper
63 100
98 6.0 3.5 10.5
100 4.4 2.2 6.6

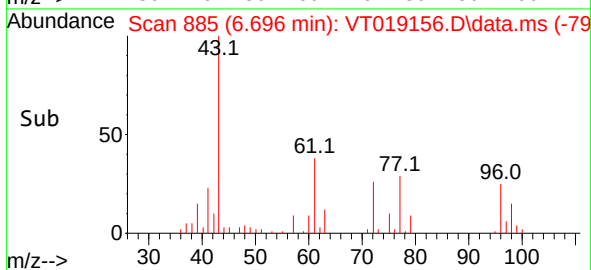
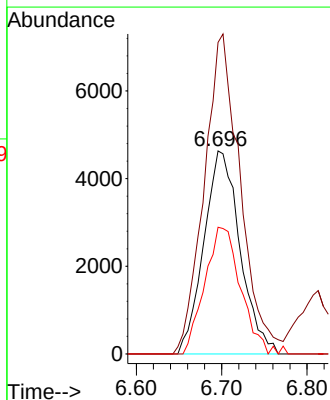
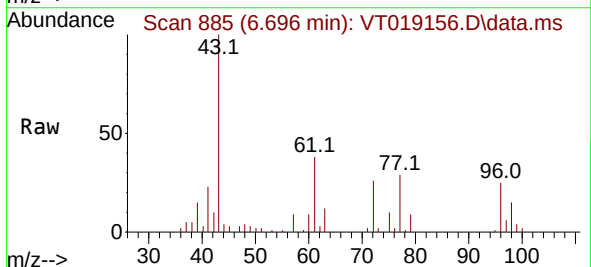
Manual Integrations
APPROVED

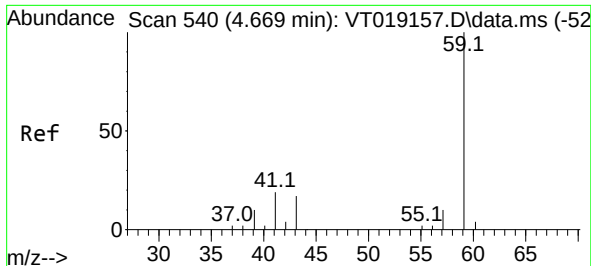
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#22
cis-1,2-Dichloroethene
Concen: 10.360 ug/l
RT: 6.696 min Scan# 885
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

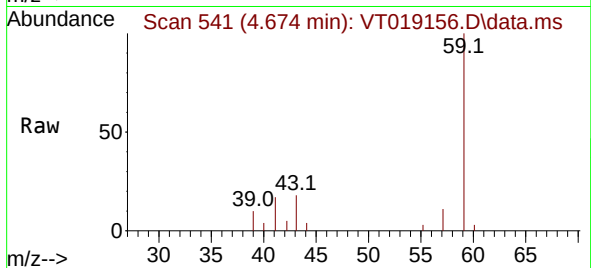
Tgt Ion: 96 Resp: 13632
Ion Ratio Lower Upper
96 100
61 157.5 120.0 180.0
98 61.3 52.8 79.2





#23
tert-Butyl Alcohol
Concen: 50.518 ug/l
RT: 4.674 min Scan# 540
Delta R.T. -0.001 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

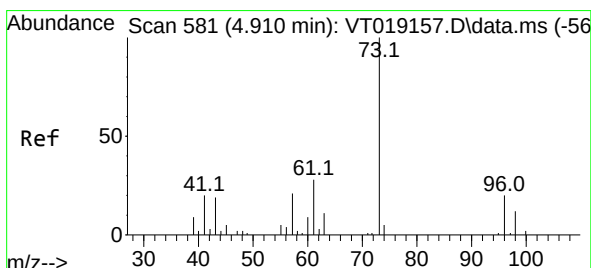
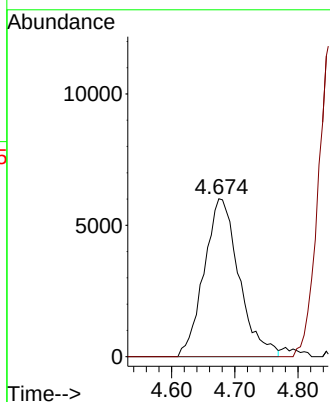
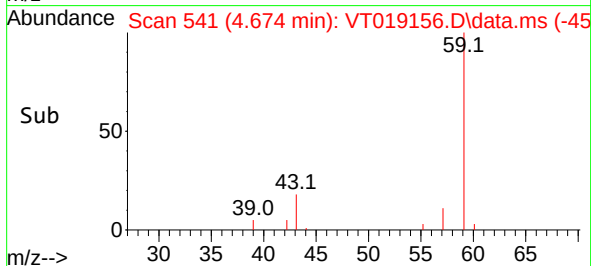
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



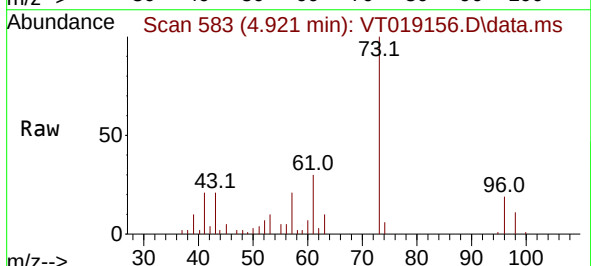
Tgt Ion: 59 Resp: 2307
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

Manual Integrations
APPROVED

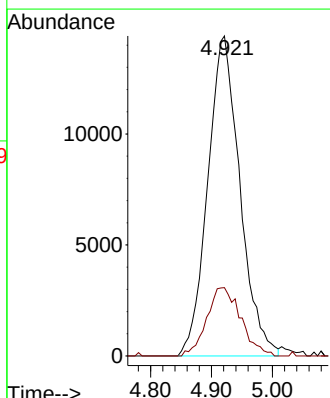
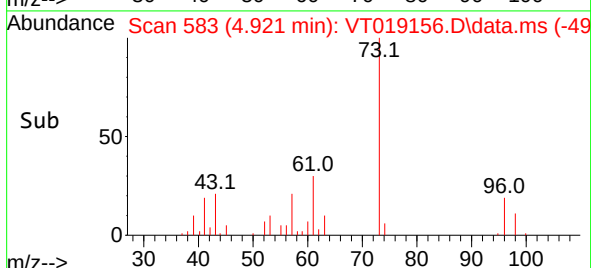
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

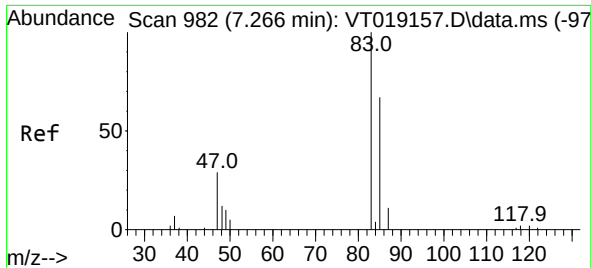


#24
Methyl tert-Butyl Ether
Concen: 10.275 ug/l
RT: 4.921 min Scan# 583
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



Tgt Ion: 73 Resp: 52859
Ion Ratio Lower Upper
73 100
43 22.6 16.9 25.3





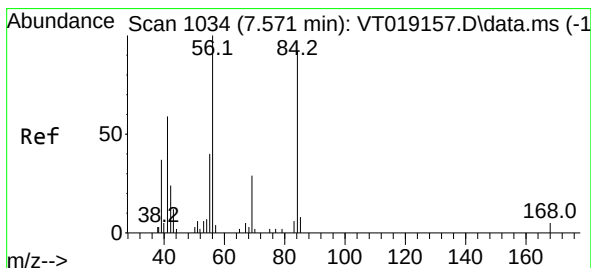
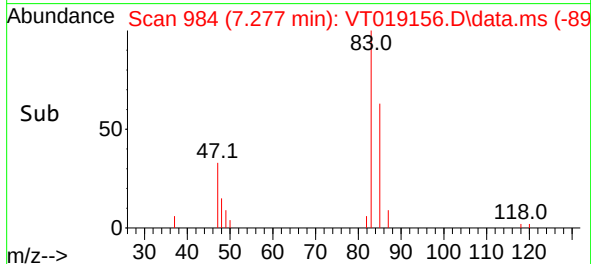
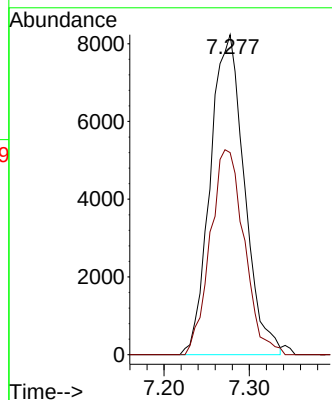
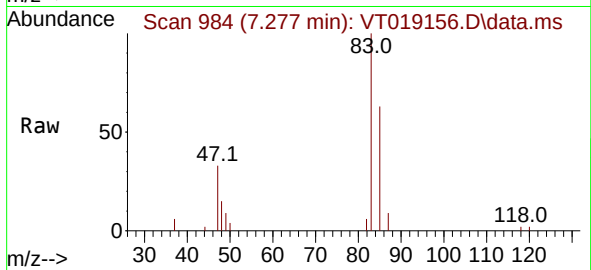
#25
Chloroform
Concen: 10.346 ug/l
RT: 7.277 min Scan# 91
Delta R.T. 0.011 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 2288
Ion Ratio Lower Upper
83 100
85 63.1 48.0 72.0

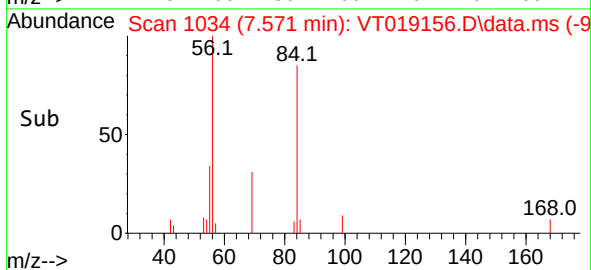
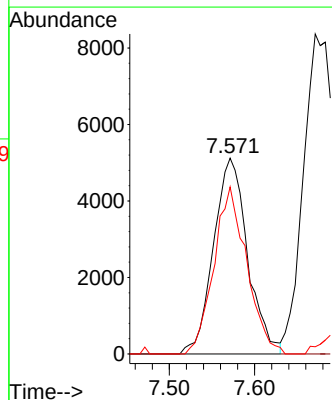
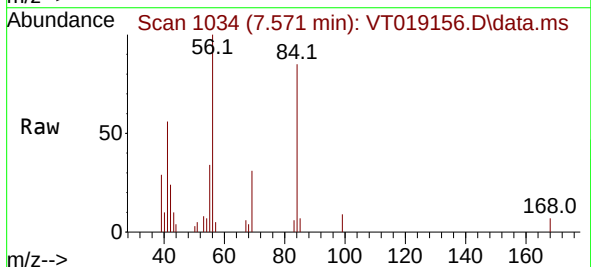
Manual Integrations
APPROVED

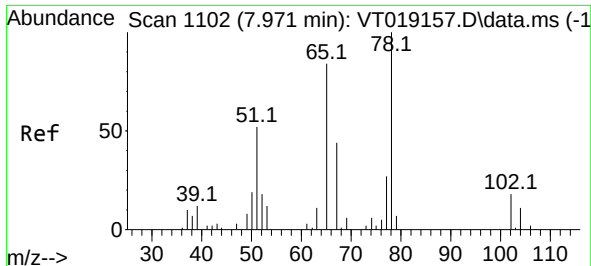
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#26
Cyclohexane
Concen: 10.022 ug/l
RT: 7.571 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 56 Resp: 14222
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.1 67.9 101.9





#27

1,2-Dichloroethane-d4

Concen: 30.936 ug/l

RT: 7.977 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 51618

Ion Ratio Lower Upper

65 100

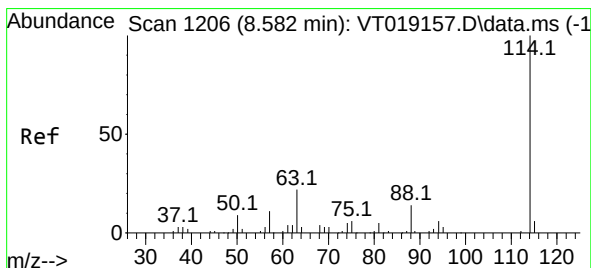
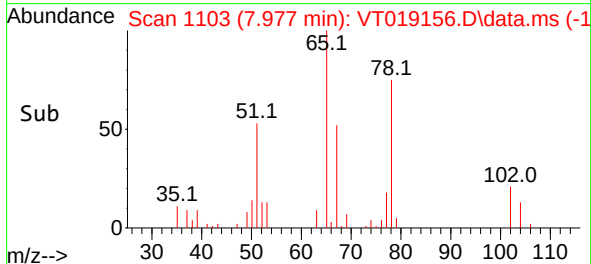
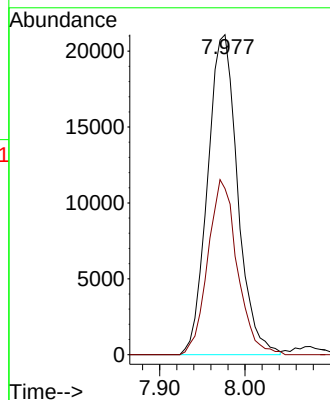
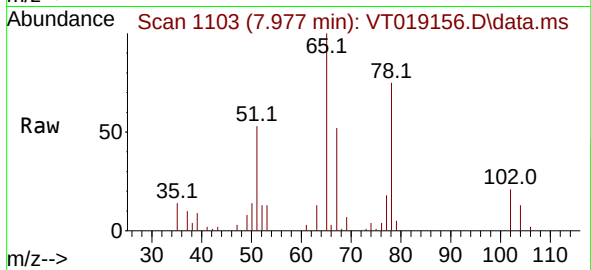
67 53.6 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.582 min Scan# 1206

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

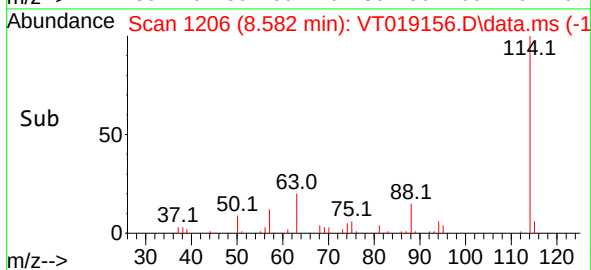
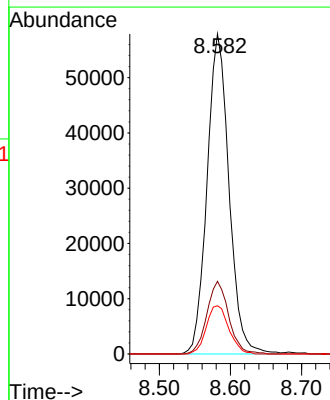
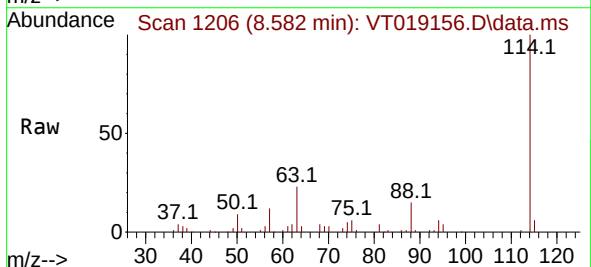
Tgt Ion:114 Resp: 124337

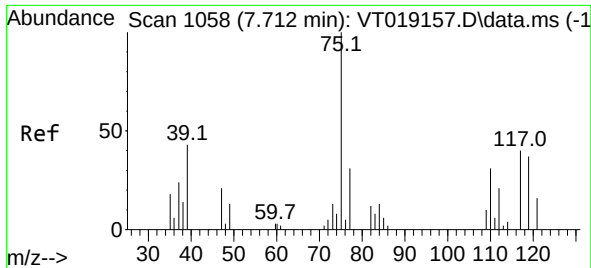
Ion Ratio Lower Upper

114 100

63 22.6 17.4 26.0

88 15.5 13.0 19.6





#29

1,1-Dichloropropene

Concen: 9.518 ug/l

RT: 7.718 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 1238

Ion Ratio Lower Upper

75 100

110 30.8 0.0 70.8

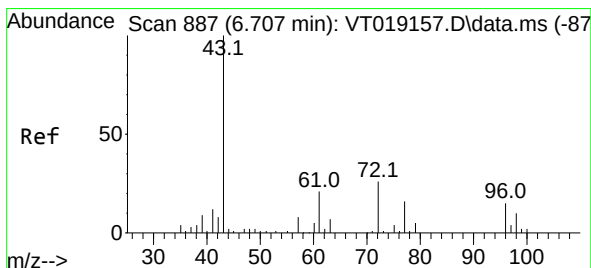
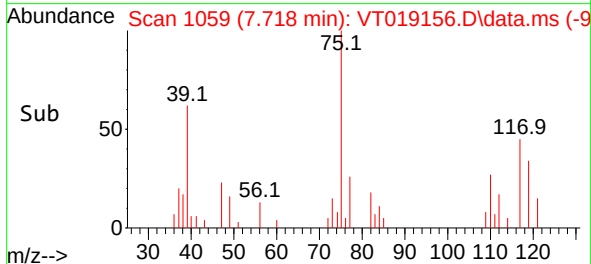
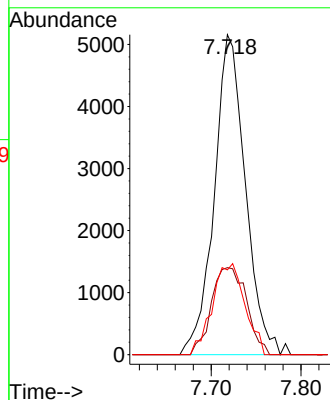
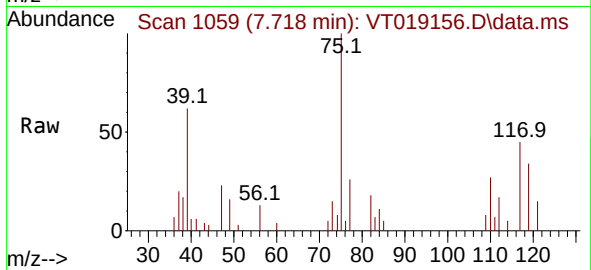
77 30.0 0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#30

2-Butanone

Concen: 49.058 ug/l

RT: 6.713 min Scan# 888

Delta R.T. 0.011 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

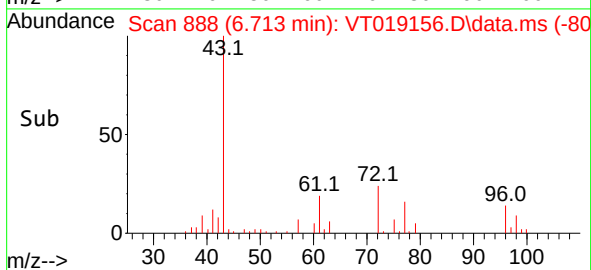
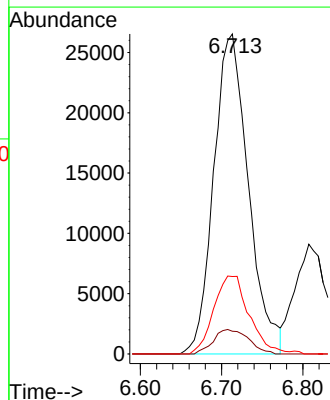
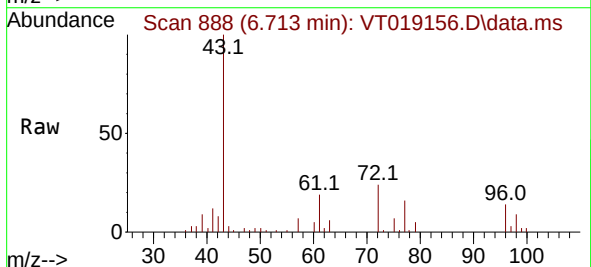
Tgt Ion: 43 Resp: 78674

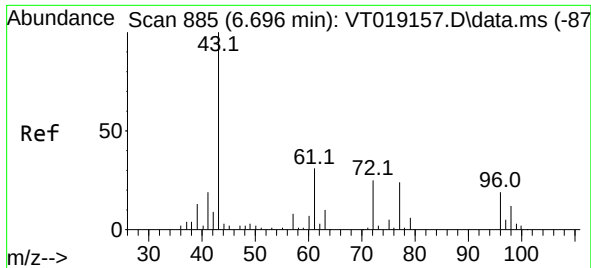
Ion Ratio Lower Upper

43 100

57 7.8 5.9 8.9

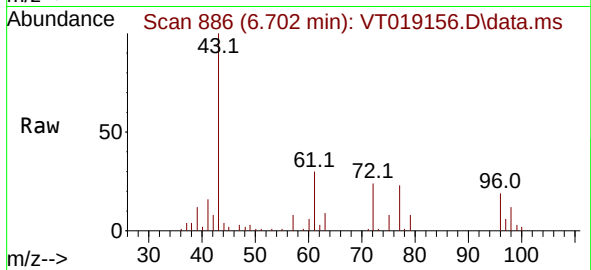
72 24.9 20.2 30.2





#31
2,2-Dichloropropane
Concen: 9.754 ug/l
RT: 6.702 min Scan# 885
Delta R.T. 0.018 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

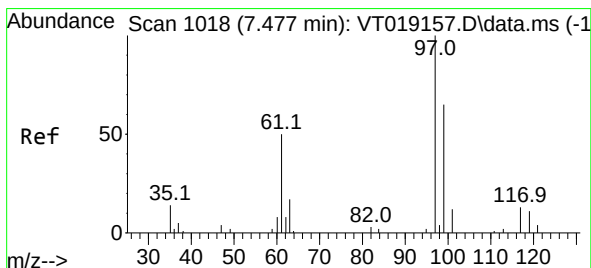
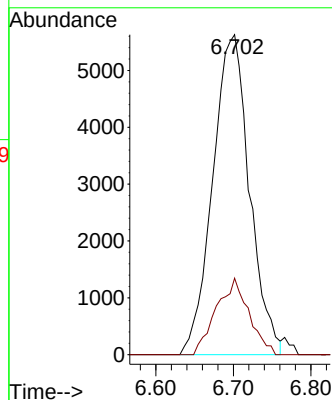
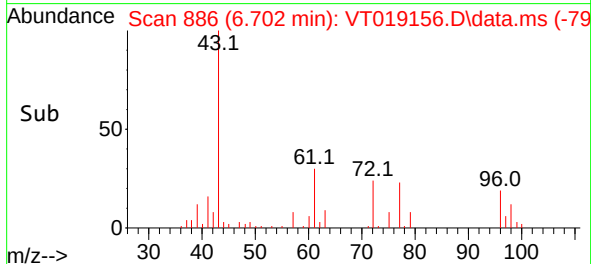
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion: 77 Resp: 1858
Ion Ratio Lower Upper
77 100
97 21.2 14.5 21.7

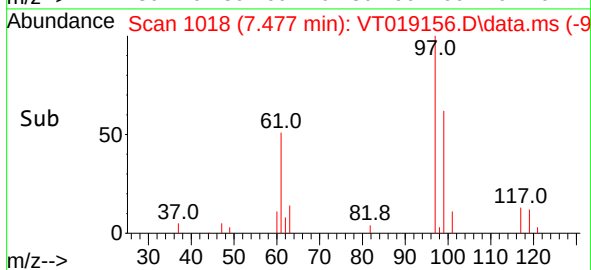
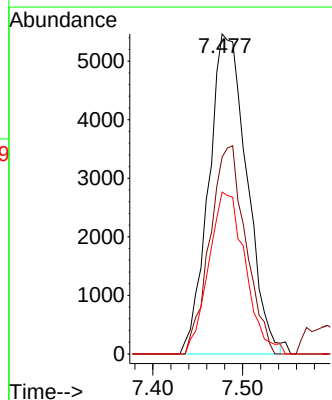
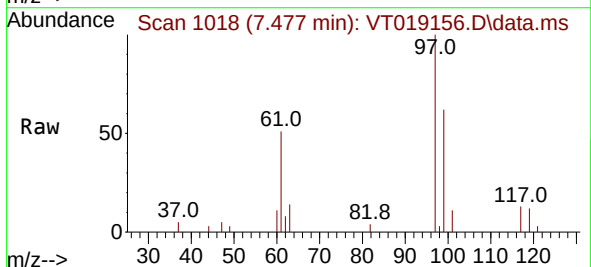
Manual Integrations
APPROVED

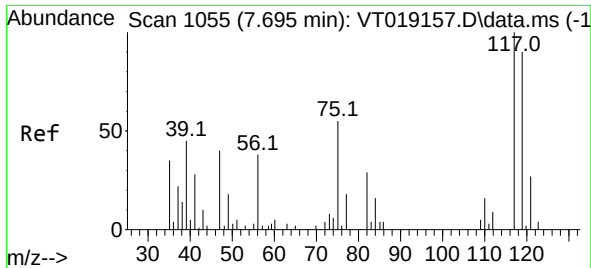
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#32
1,1,1-Trichloroethane
Concen: 9.818 ug/l
RT: 7.477 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

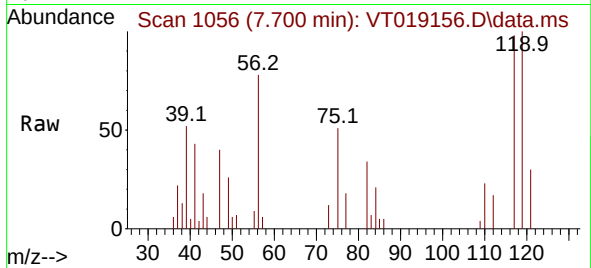
Tgt Ion: 97 Resp: 16094
Ion Ratio Lower Upper
97 100
99 61.0 30.0 45.0#
61 48.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 9.306 ug/l
RT: 7.700 min Scan# 1105
Delta R.T. 0.005 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

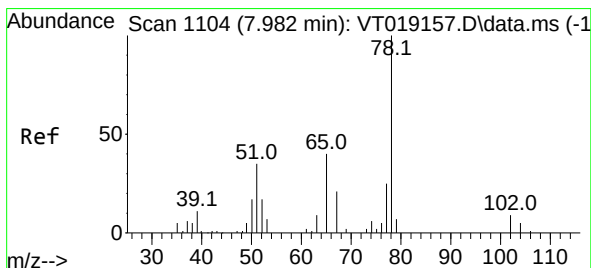
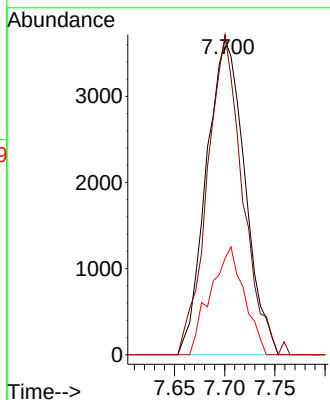
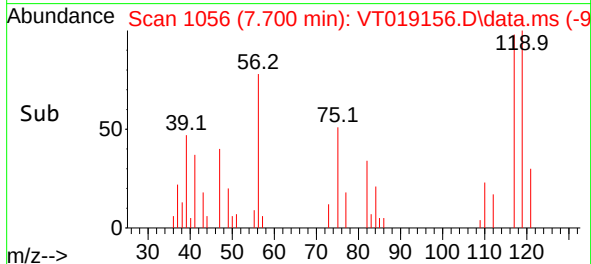
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



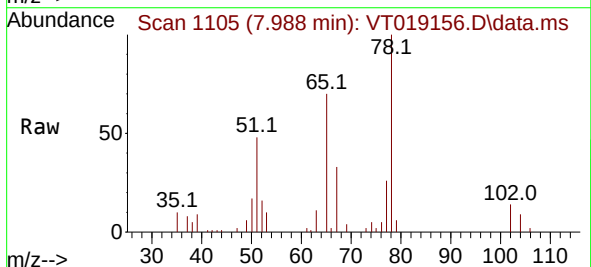
Tgt Ion:117 Resp: 9774
Ion Ratio Lower Upper
117 100
119 101.7 76.5 114.7
121 30.6 0.5 0.7

Manual Integrations
APPROVED

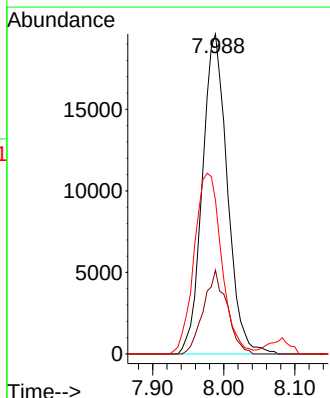
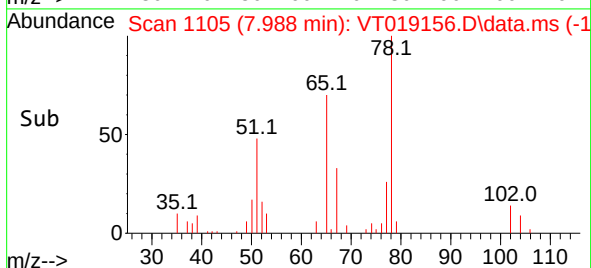
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

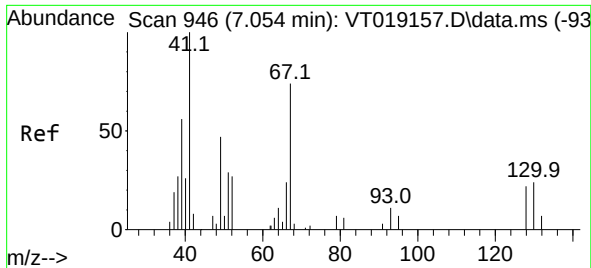


#34
Benzene
Concen: 9.944 ug/l
RT: 7.988 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



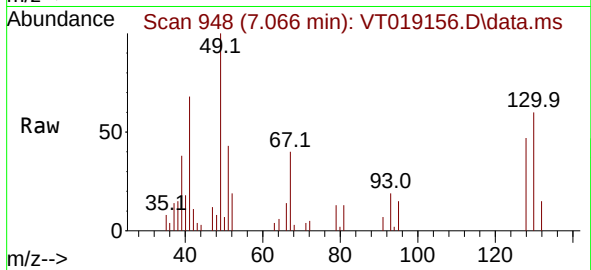
Tgt Ion: 78 Resp: 47933
Ion Ratio Lower Upper
78 100
77 26.2 17.6 26.4
51 45.9 13.8 20.6





#35
Methacrylonitrile
Concen: 10.672 ug/l
RT: 7.066 min Scan# 946
Delta R.T. 0.018 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

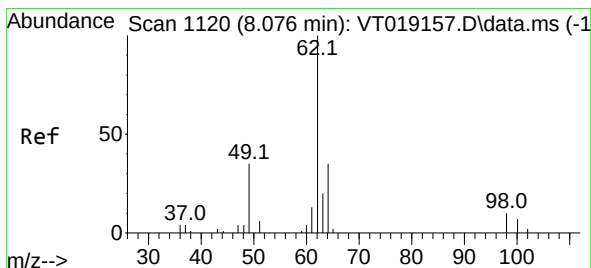
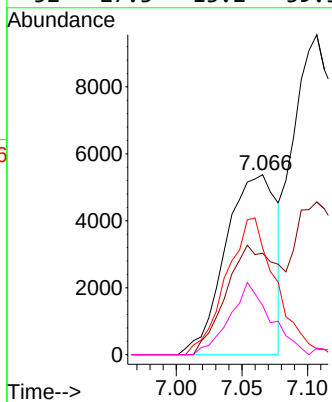
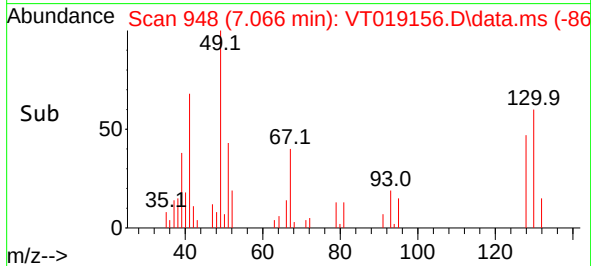
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 1456
Ion Ratio Lower Upper
41 100
39 56.4 26.2 78.5
67 59.2 31.4 94.3
52 27.3 13.2 39.5

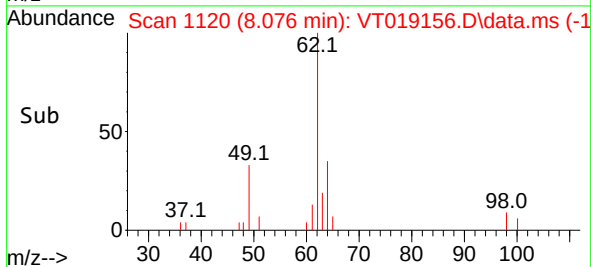
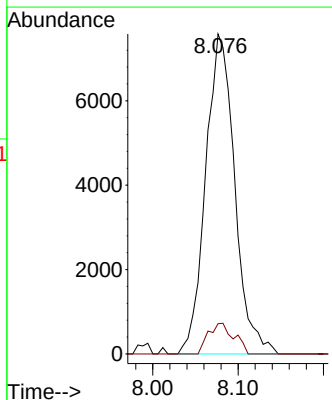
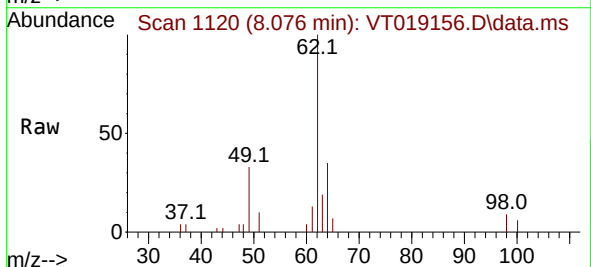
Manual Integrations
APPROVED

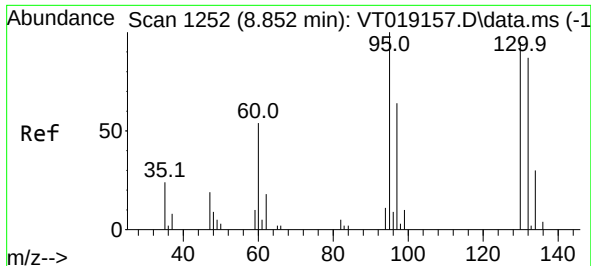
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#36
1,2-Dichloroethane
Concen: 10.064 ug/l
RT: 8.076 min Scan# 1120
Delta R.T. 0.005 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

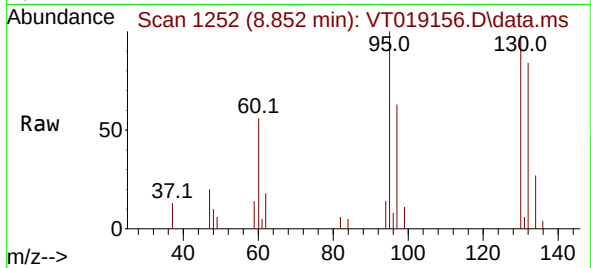
Tgt Ion: 62 Resp: 17984
Ion Ratio Lower Upper
62 100
98 7.0 6.7 10.1





#37
Trichloroethene
Concen: 9.943 ug/l
RT: 8.852 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

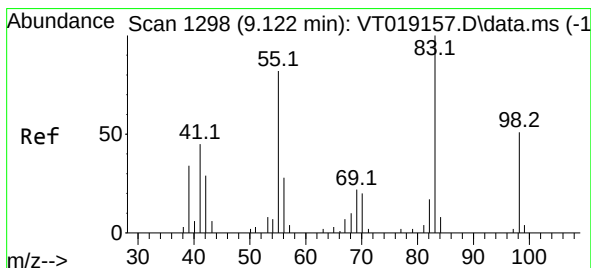
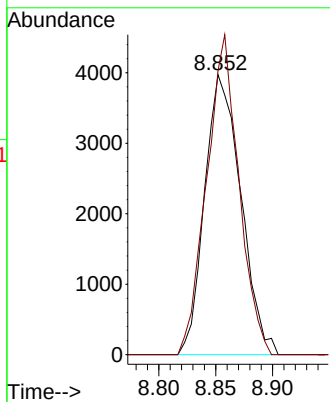
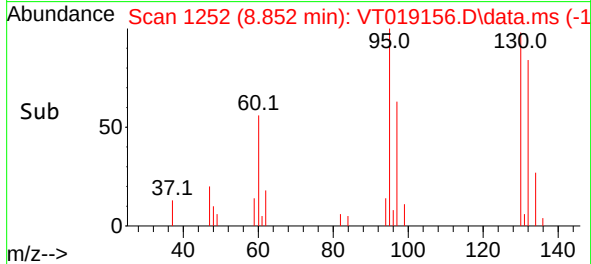
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion:130 Resp: 881
Ion Ratio Lower Upper
130 100
95 101.5 79.4 119.2

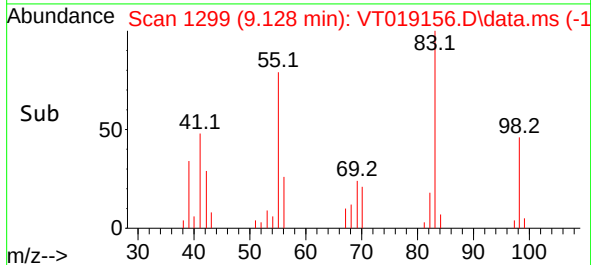
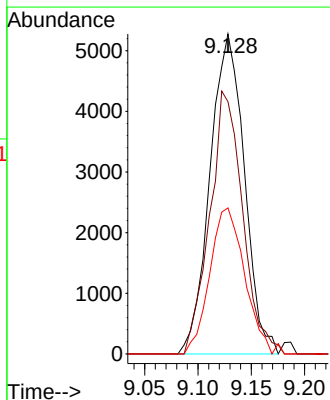
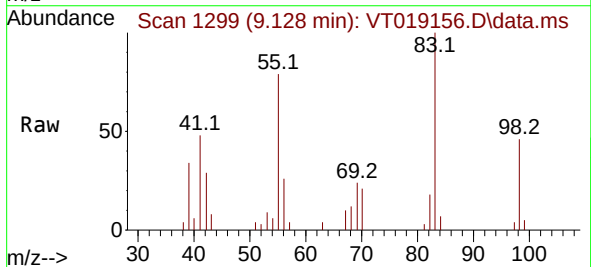
Manual Integrations
APPROVED

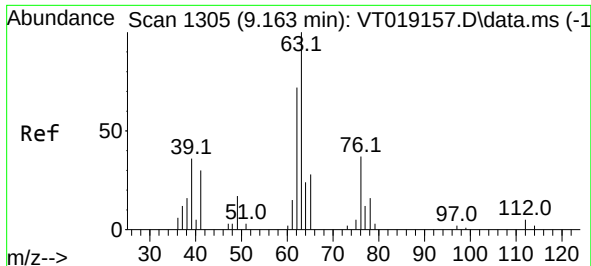
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#38
Methylcyclohexane
Concen: 9.016 ug/l
RT: 9.128 min Scan# 1299
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 83 Resp: 11813
Ion Ratio Lower Upper
83 100
55 78.8 40.3 120.8
98 46.1 24.3 72.9





#39

1,2-Dichloropropane

Concen: 9.885 ug/l

RT: 9.175 min Scan# 11

Delta R.T. 0.012 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 12479

Ion Ratio Lower Upper

63 100

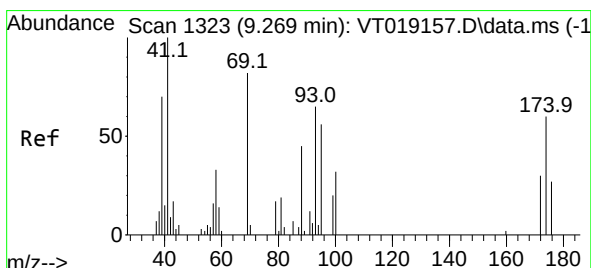
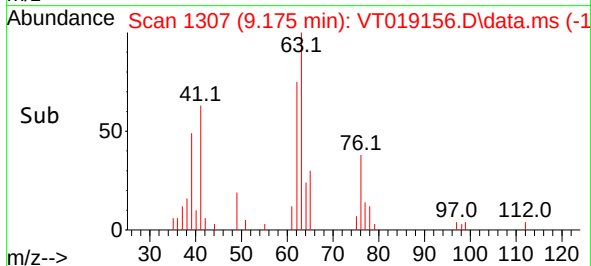
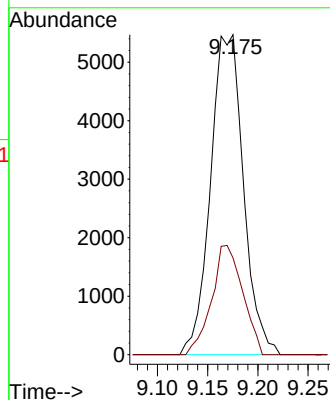
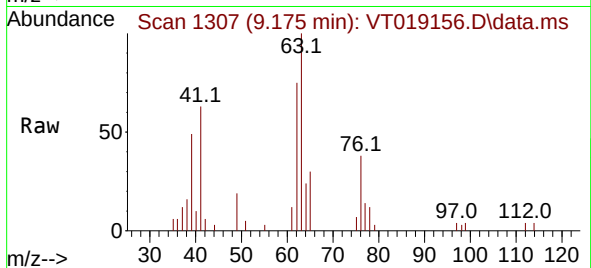
65 30.3 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Dibromomethane

Concen: 10.357 ug/l

RT: 9.269 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

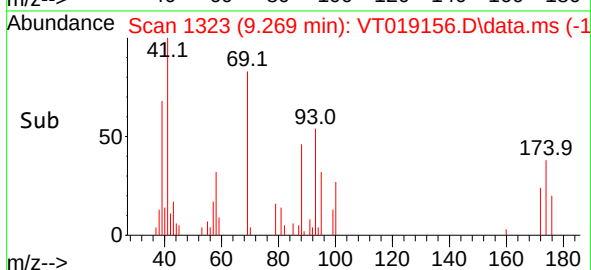
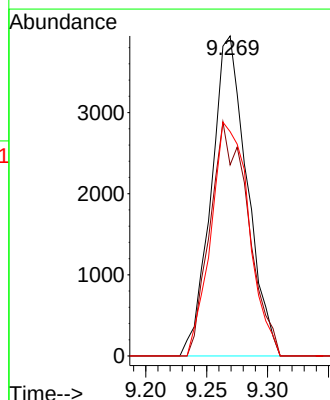
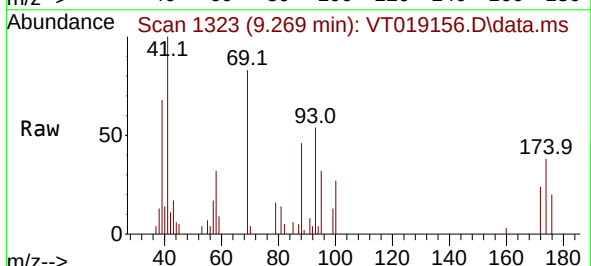
Tgt Ion: 93 Resp: 8062

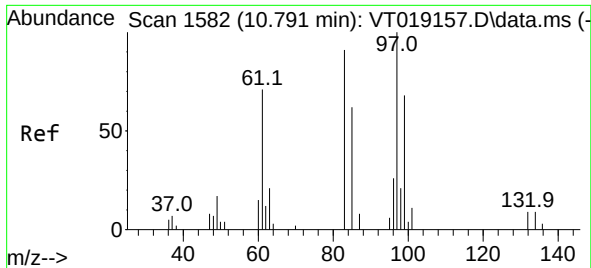
Ion Ratio Lower Upper

93 100

95 77.8 0.0 166.2

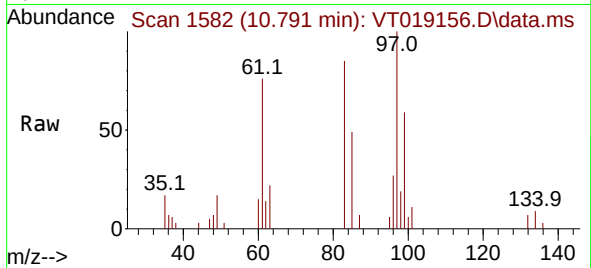
174 77.3 0.0 26.4





#41
Bromodichloromethane
Concen: 10.228 ug/l
RT: 10.791 min Scan# 11
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

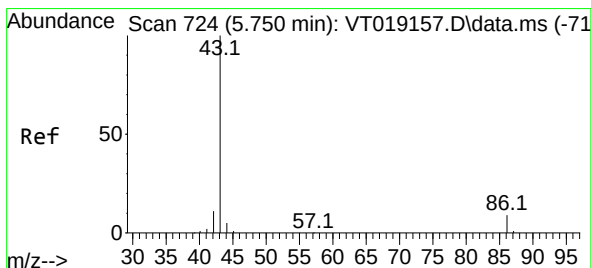
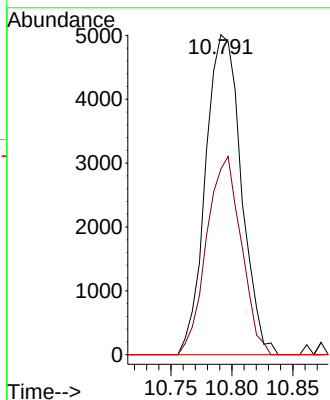
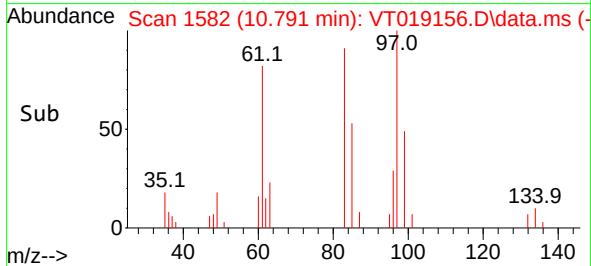
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



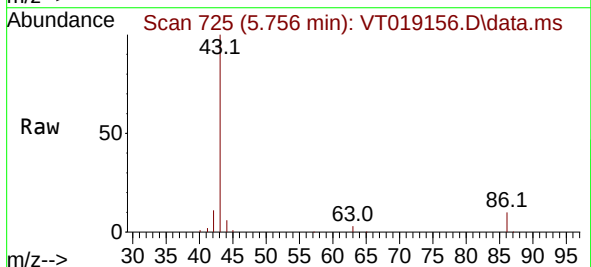
Tgt Ion: 83 Resp: 1022
Ion Ratio Lower Upper
83 100
85 58.1 47.2 70.8
127 0.0 7.1 10.7

Manual Integrations
APPROVED

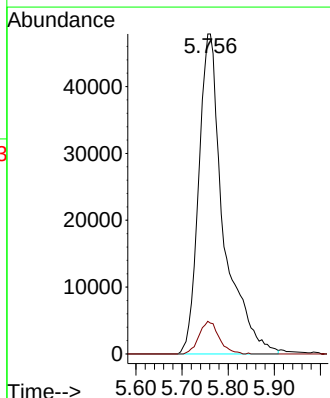
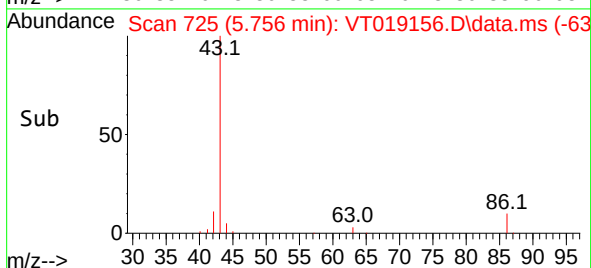
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

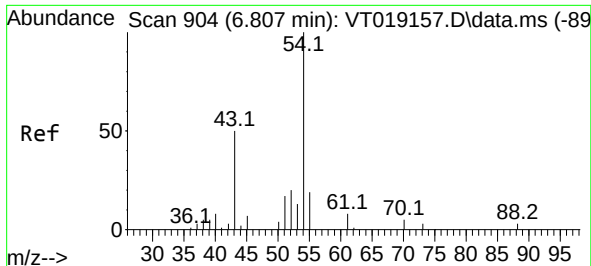


#42
Vinyl Acetate
Concen: 45.532 ug/l
RT: 5.756 min Scan# 725
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



Tgt Ion: 43 Resp: 179148
Ion Ratio Lower Upper
43 100
86 8.2 6.9 10.3





#43

Ethyl Acetate

Concen: 9.988 ug/l

RT: 6.807 min Scan# 904

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 26330

Ion Ratio Lower Upper

43 100

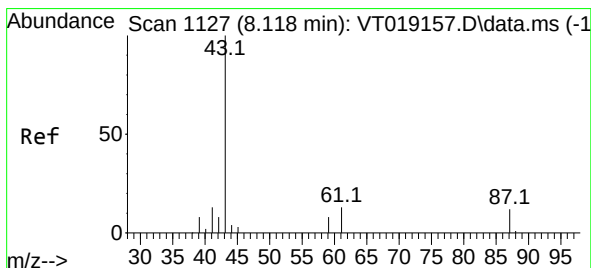
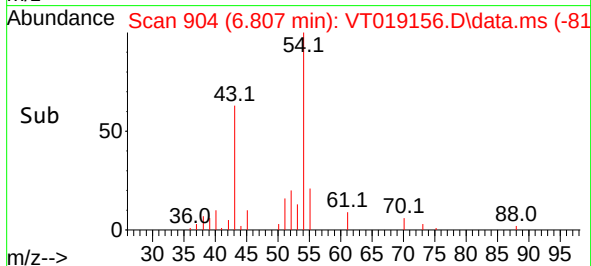
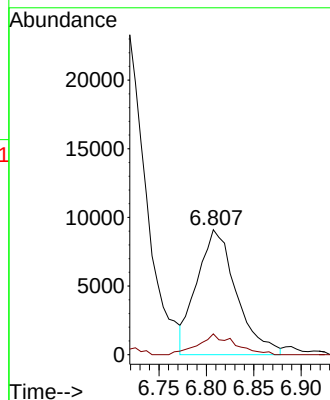
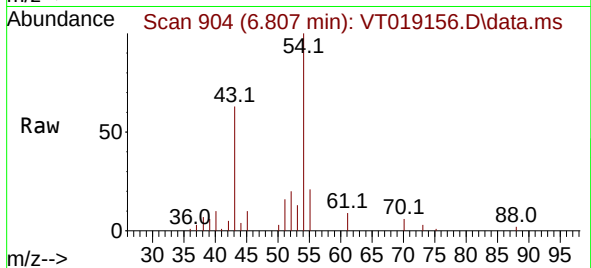
45 10.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#44

Isopropyl Acetate

Concen: 9.850 ug/l

RT: 8.129 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VT019156.D

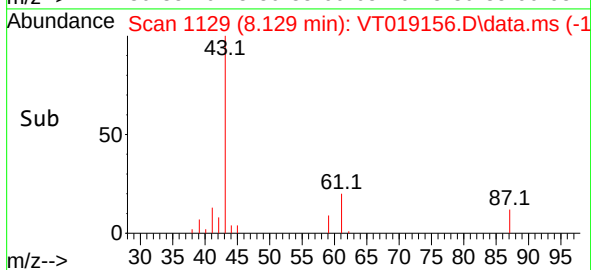
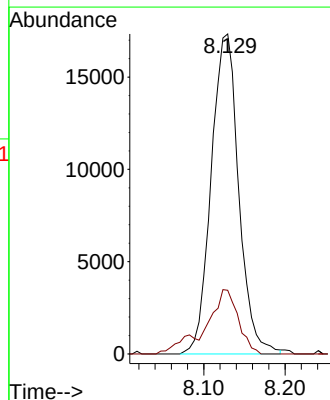
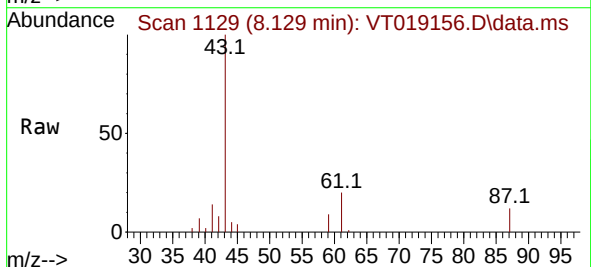
Acq: 22 Oct 2025 13:35

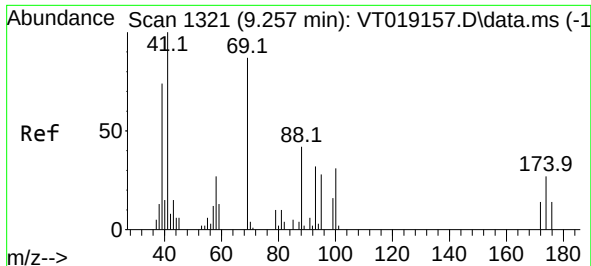
Tgt Ion: 43 Resp: 40868

Ion Ratio Lower Upper

43 100

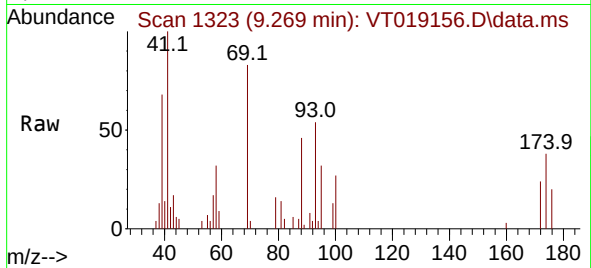
61 19.2 14.7 22.1





#45
1,4-Dioxane
Concen: 195.671 ug/l
RT: 9.269 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

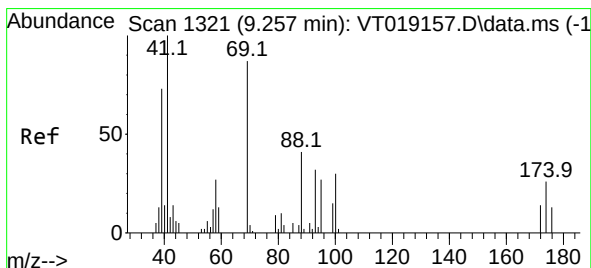
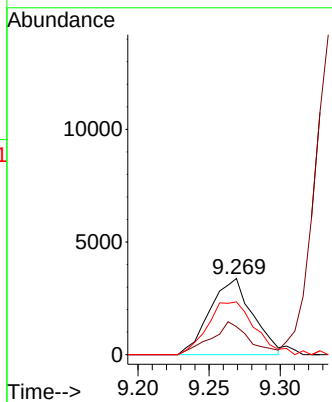
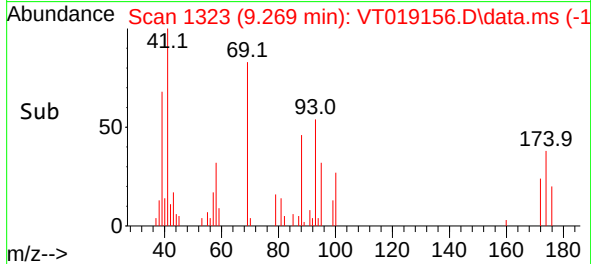
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



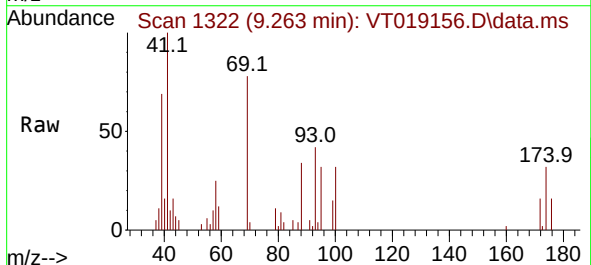
Tgt Ion: 88 Resp: 7043
Ion Ratio Lower Upper
88 100
43 38.5 30.2 45.2
58 76.1 33.3 49.9

Manual Integrations
APPROVED

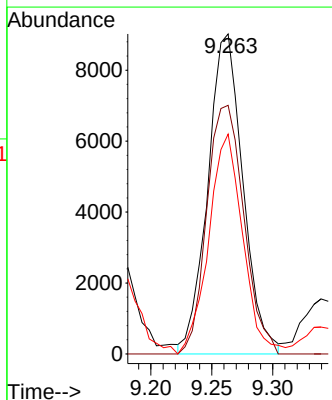
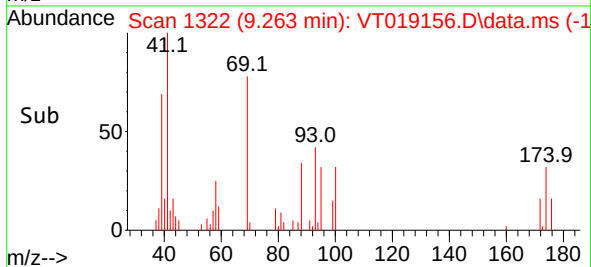
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

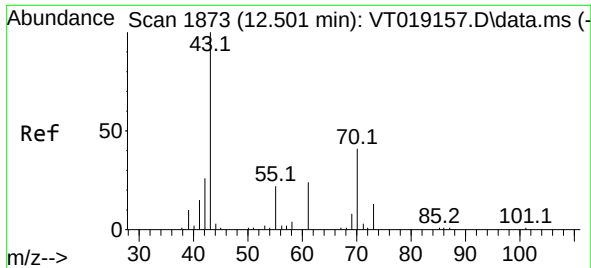


#46
Methyl methacrylate
Concen: 9.755 ug/l
RT: 9.263 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



Tgt Ion: 41 Resp: 18097
Ion Ratio Lower Upper
41 100
69 80.1 35.8 107.3
39 70.8 24.4 73.4





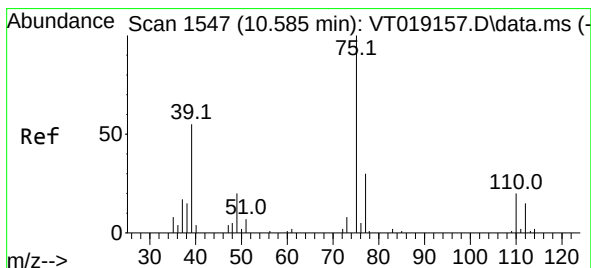
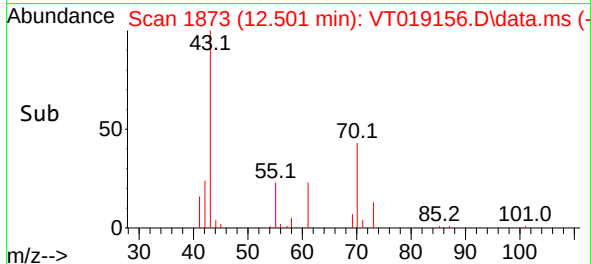
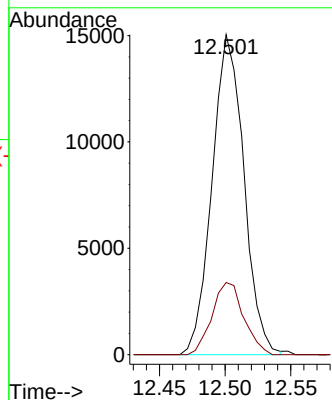
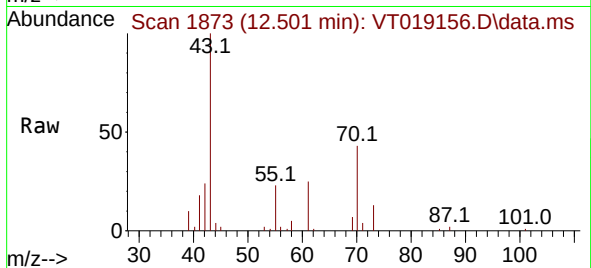
#47
n-amyl Acetate
Concen: 9.077 ug/l
RT: 12.501 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
55 22.5 18.4 27.6

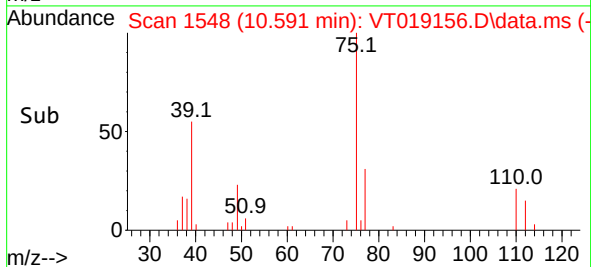
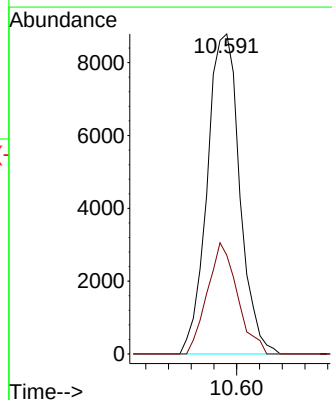
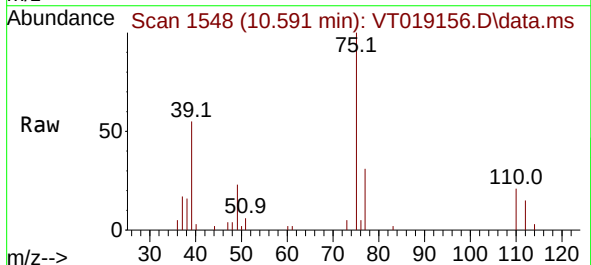
Manual Integrations
APPROVED

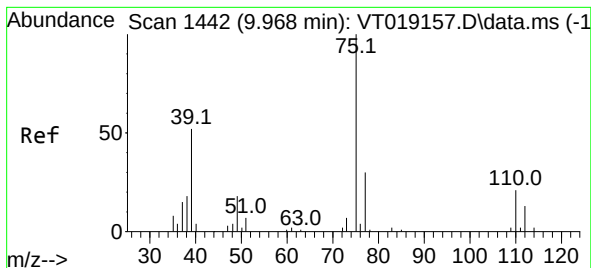
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#48
t-1,3-Dichloropropene
Concen: 9.621 ug/l
RT: 10.591 min Scan# 1548
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 75 Resp: 17455
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 9.825 ug/l

RT: 9.974 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

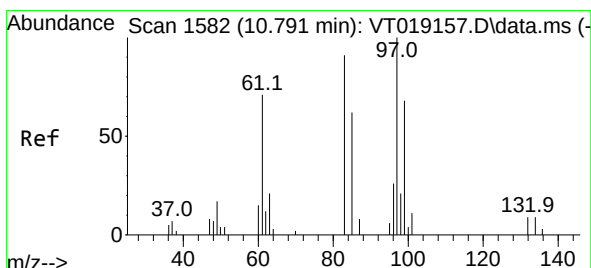
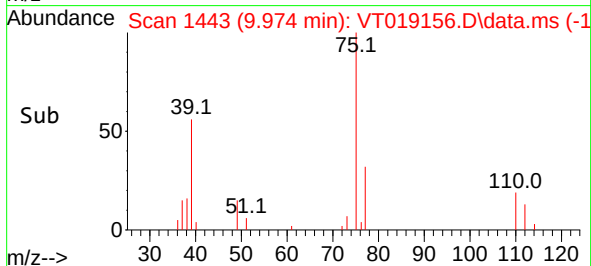
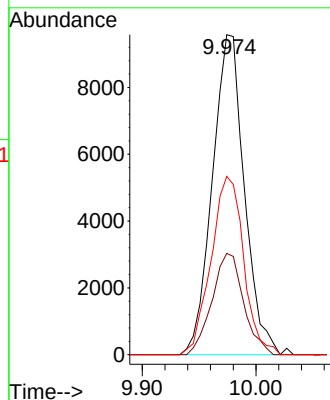
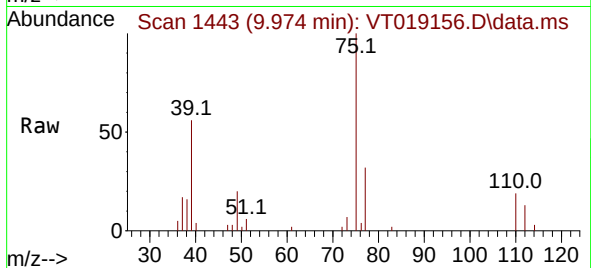
Tgt Ion: 75	Resp: 18724
Ion Ratio	Lower Upper
75 100	
77 31.6	25.1 37.7
39 55.7	42.7 64.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#50

1,1,2-Trichloroethane

Concen: 9.849 ug/l

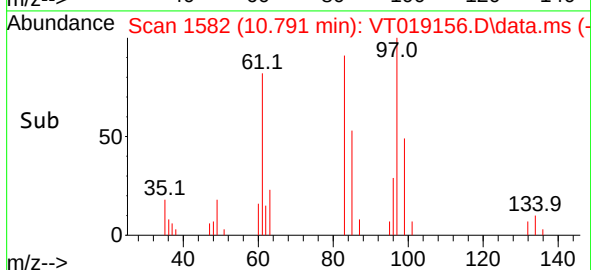
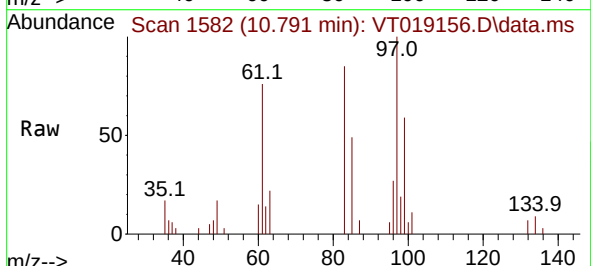
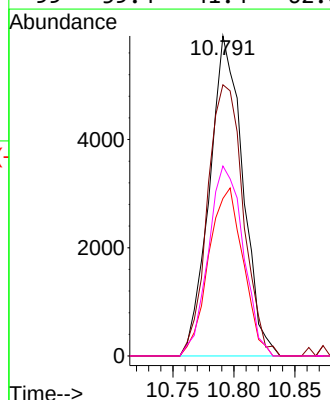
RT: 10.791 min Scan# 1582

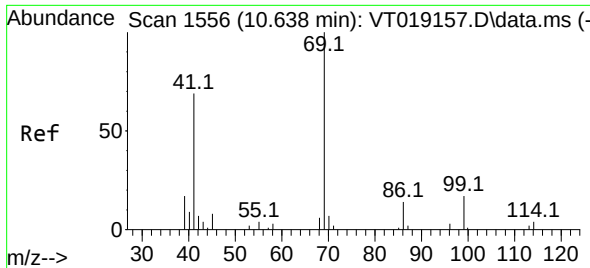
Delta R.T. -0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Tgt Ion: 97	Resp: 11276
Ion Ratio	Lower Upper
97 100	
83 84.7	58.3 87.5
85 49.2	36.5 54.7
99 59.4	41.4 62.0





#51
Ethyl methacrylate
Concen: 9.682 ug/l
RT: 10.644 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC010

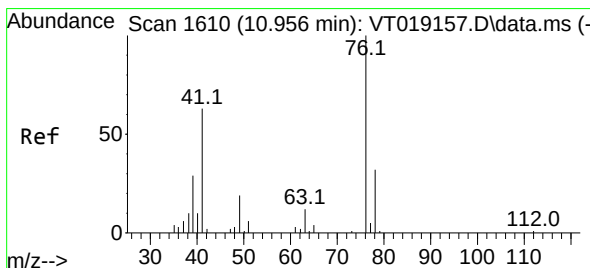
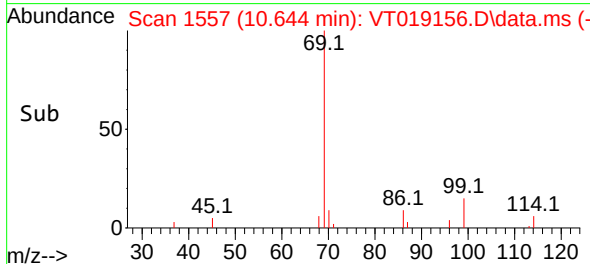
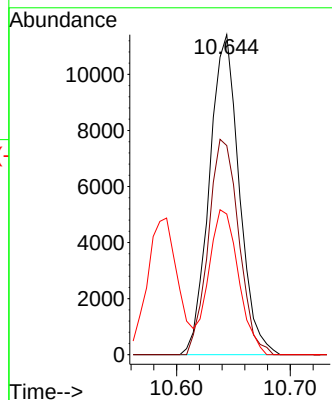
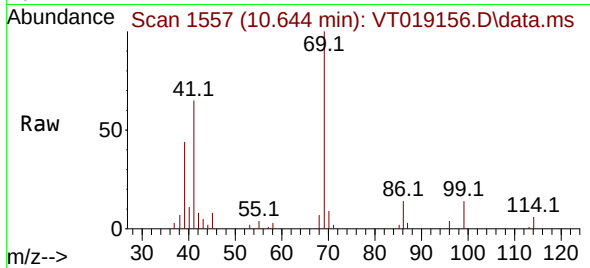
Tgt Ion: 69 Resp: 20774
Ion Ratio Lower Upper
69 100
41 65.4 35.0 105.1
39 43.9 19.5 58.5

Manual Integrations

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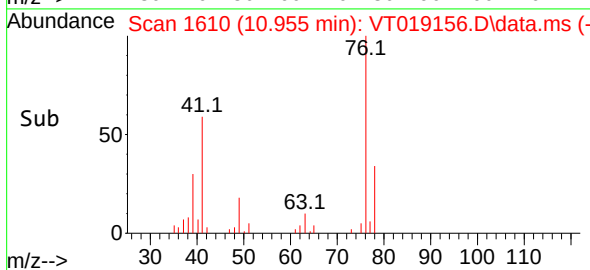
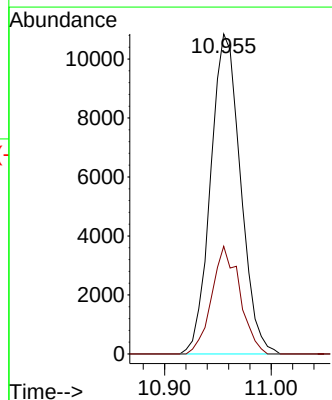
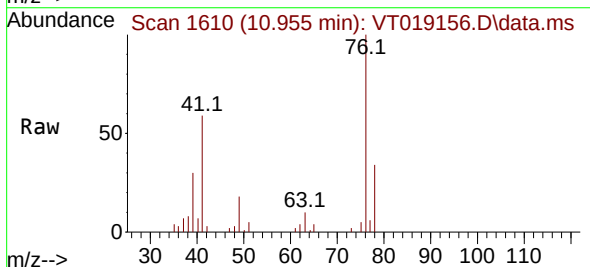
Reviewed By :John Carlone 10/27/2025

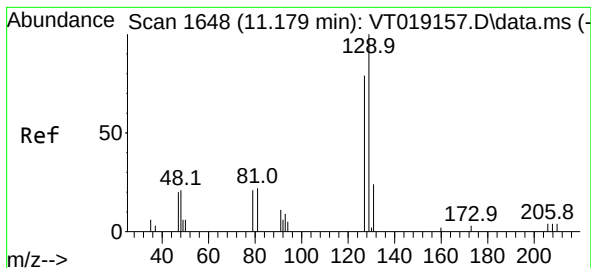
Supervised By :Mahesh Dadoda 10/27/2025



#52
1,3-Dichloropropane
Concen: 10.328 ug/l
RT: 10.955 min Scan# 1610
Delta R.T. -0.001 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 76 Resp: 21120
Ion Ratio Lower Upper
76 100
78 31.7 0.0 63.6





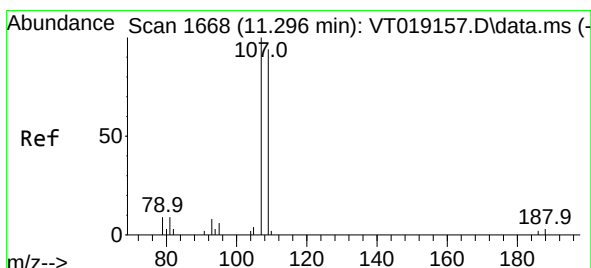
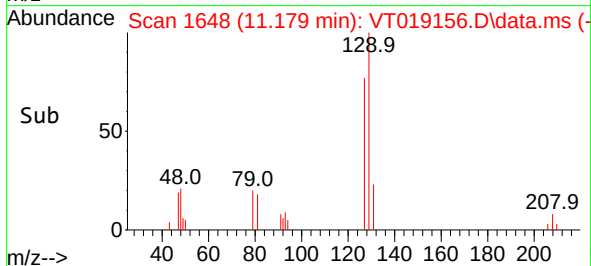
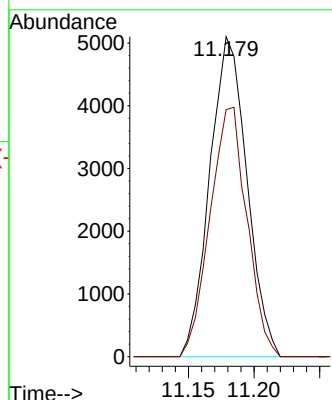
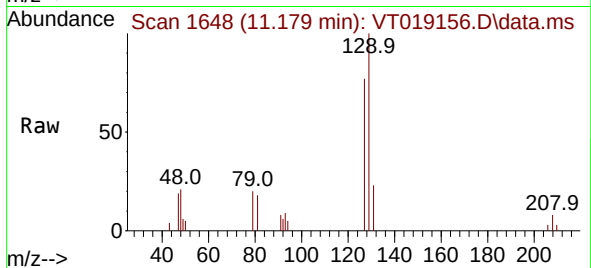
#53
Dibromochloromethane
Concen: 9.406 ug/l
RT: 11.179 min Scan# 1648
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion:129 Resp: 1005
Ion Ratio Lower Upper
129 100
127 77.2 125.0 374.9

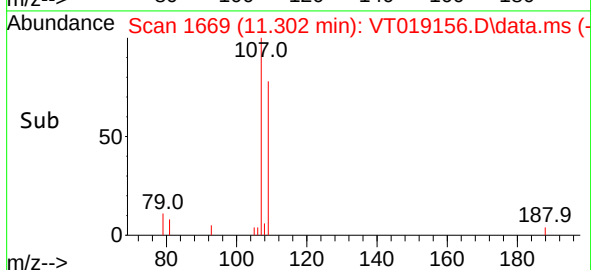
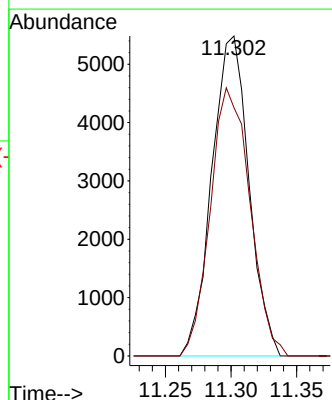
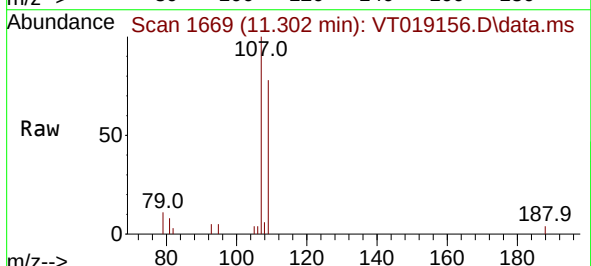
Manual Integrations
APPROVED

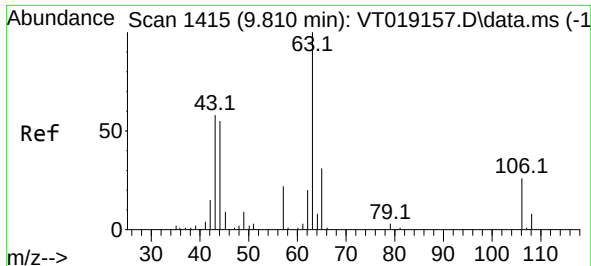
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#54
1,2-Dibromoethane
Concen: 10.118 ug/l
RT: 11.302 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion:107 Resp: 10774
Ion Ratio Lower Upper
107 100
109 89.4 74.0 111.0





#55
2-Chloroethyl vinyl ether
Concen: 42.341 ug/l
RT: 9.816 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

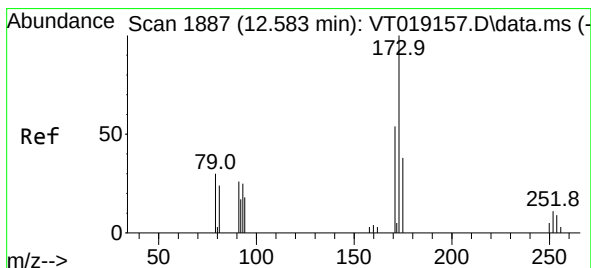
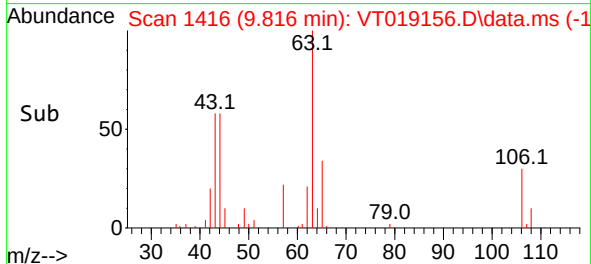
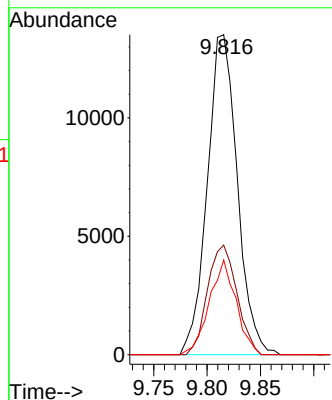
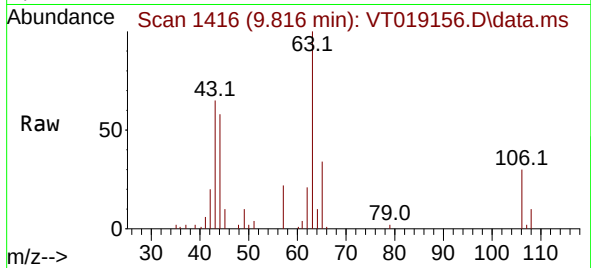
VSTDIC010

Tgt Ion: 63 Resp: 26490
Ion Ratio Lower Upper
63 100
65 33.5 25.8 38.6
106 26.5 22.1 33.1

Manual Integrations

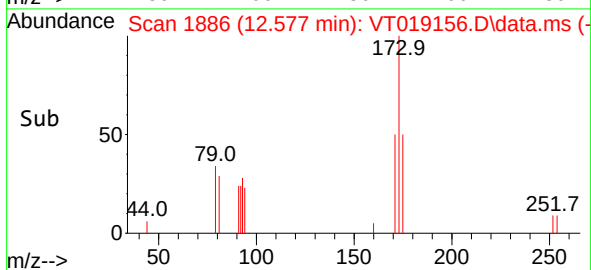
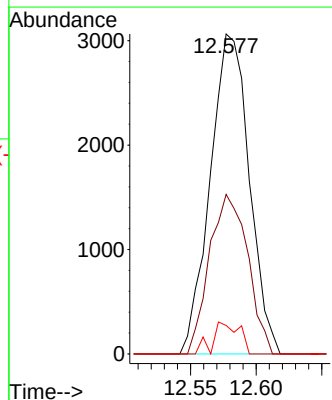
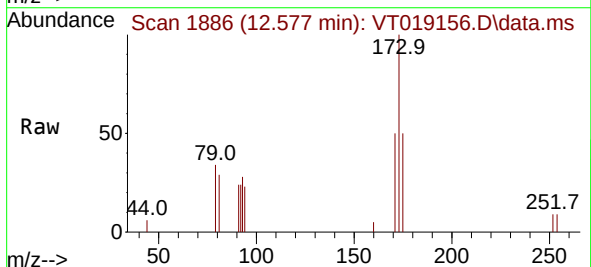
APPROVED

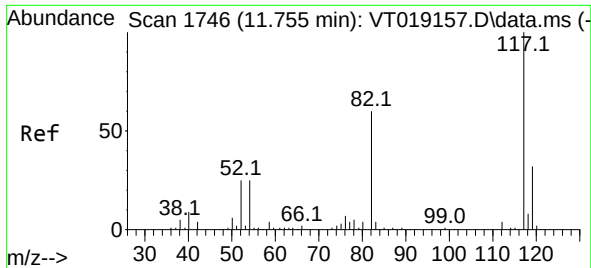
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#56
Bromoform
Concen: 9.027 ug/l
RT: 12.577 min Scan# 1886
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

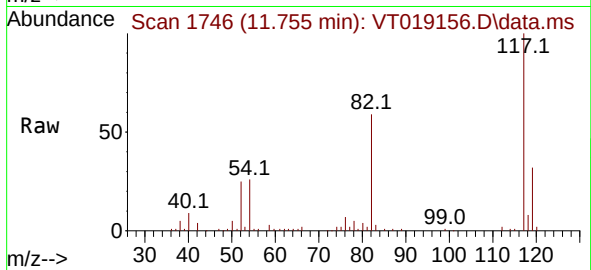
Tgt Ion:173 Resp: 6338
Ion Ratio Lower Upper
173 100
175 48.9 2.6 3.8#
254 4.4 2.2 3.2#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.755 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

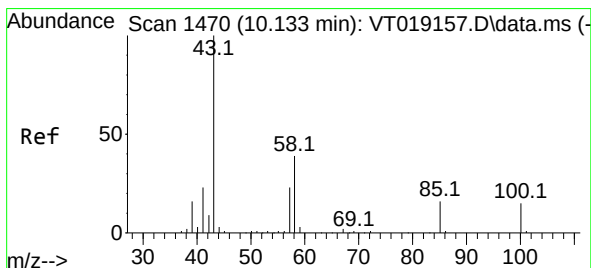
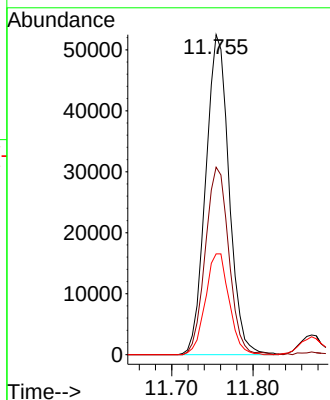
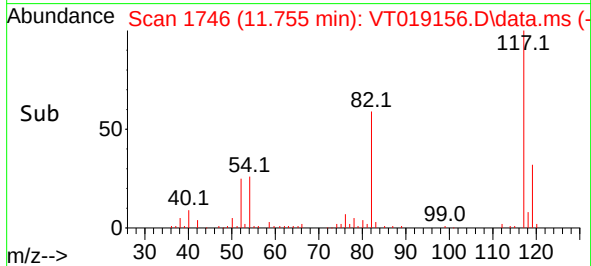
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



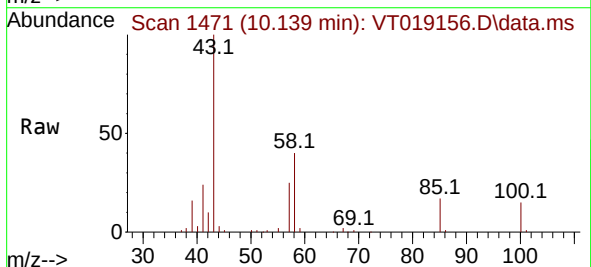
Tgt Ion:117 Resp: 10465
Ion Ratio Lower Upper
117 100
82 58.8 46.0 69.0
119 32.0 25.8 38.8

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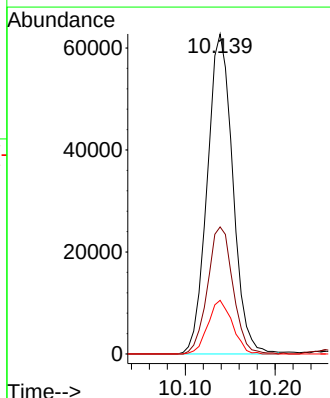
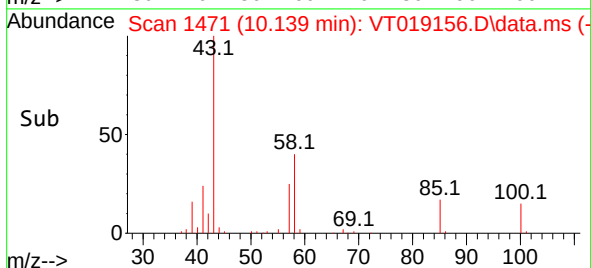
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

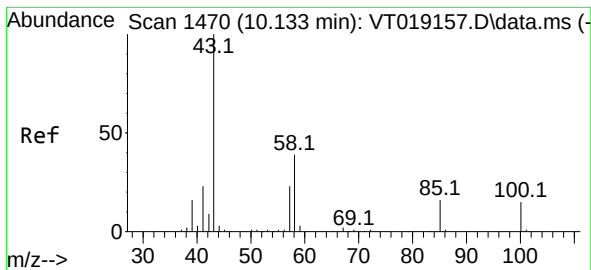


#58
4-Methyl-2-Pentanone
Concen: 48.327 ug/l
RT: 10.139 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



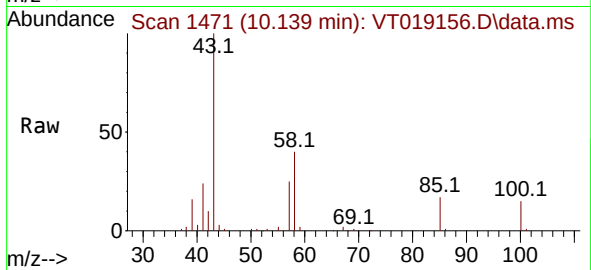
Tgt Ion: 43 Resp: 123855
Ion Ratio Lower Upper
43 100
58 39.4 30.6 45.8
85 16.0 13.4 20.2





#59
2-Hexanone
Concen: 48.327 ug/l
RT: 10.139 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

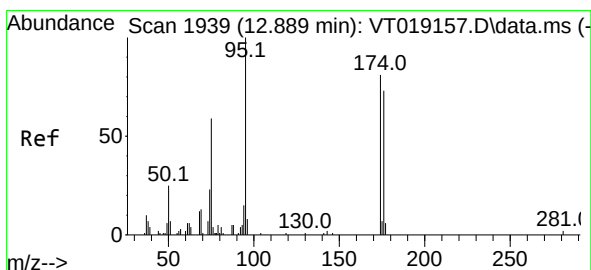
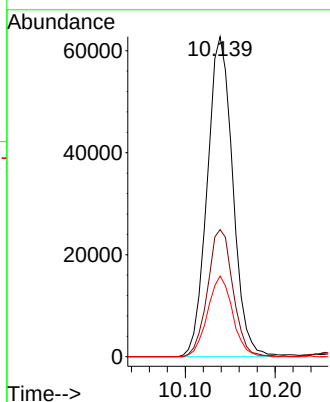
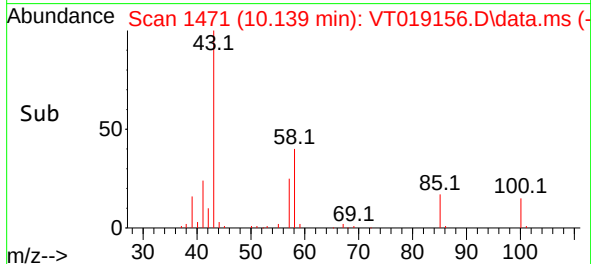
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 12385
Ion Ratio Lower Upper
43 100
58 39.4 42.0 63.0
57 24.7 14.6 21.8

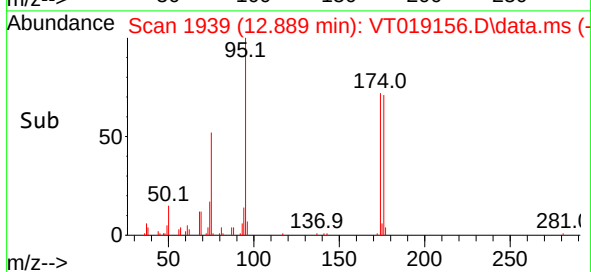
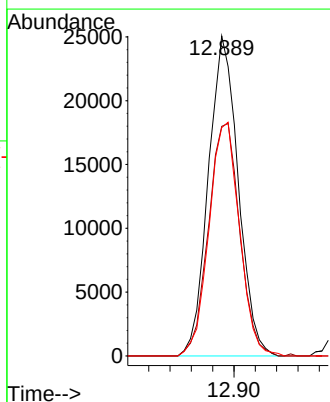
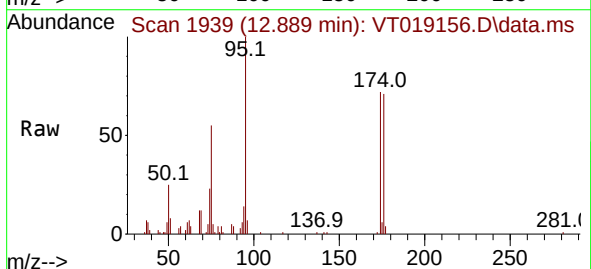
Manual Integrations
APPROVED

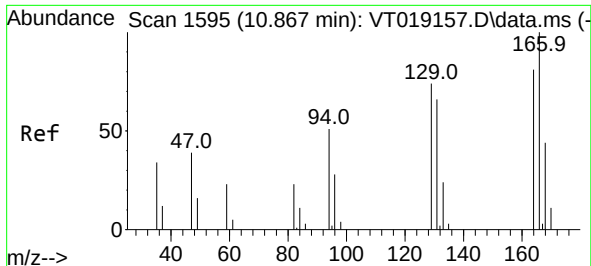
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#60
4-Bromofluorobenzene
Concen: 29.612 ug/l
RT: 12.889 min Scan# 1939
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

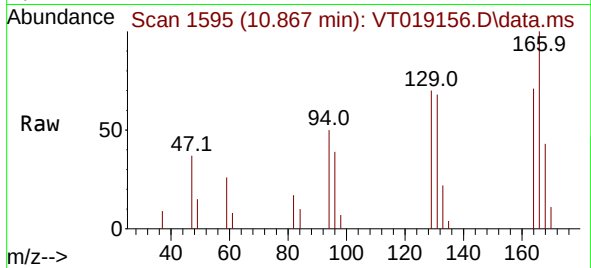
Tgt Ion: 95 Resp: 48704
Ion Ratio Lower Upper
95 100
174 76.2 57.5 86.3
176 74.6 56.4 84.6





#61
Tetrachloroethene
Concen: 9.421 ug/l
RT: 10.867 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

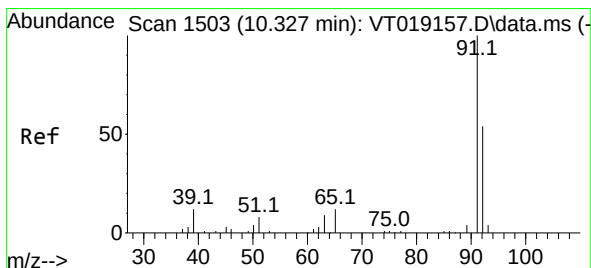
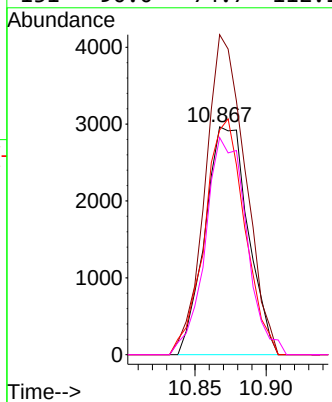
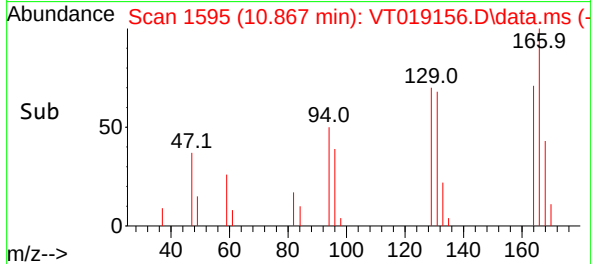
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion:164 Resp: 623
Ion Ratio Lower Upper
164 100
166 140.5 101.0 151.4
129 98.7 78.6 117.8
131 90.0 74.7 112.1

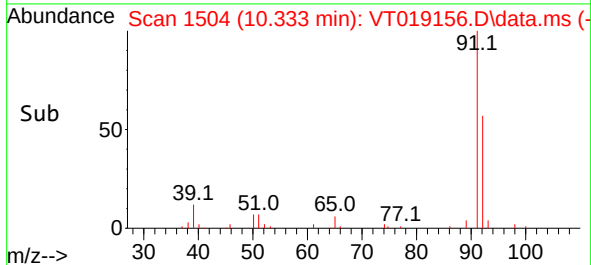
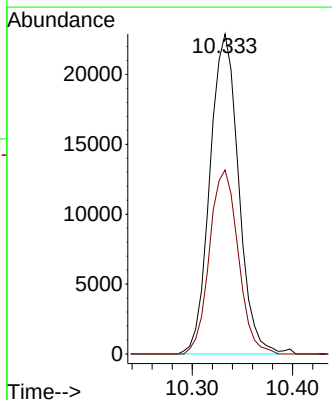
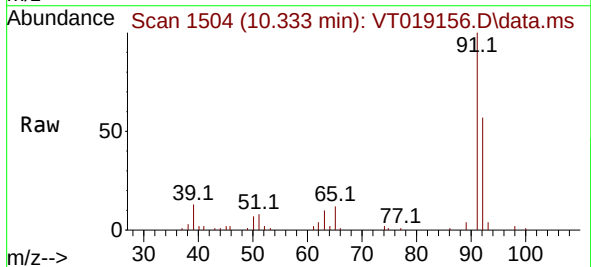
Manual Integrations
APPROVED

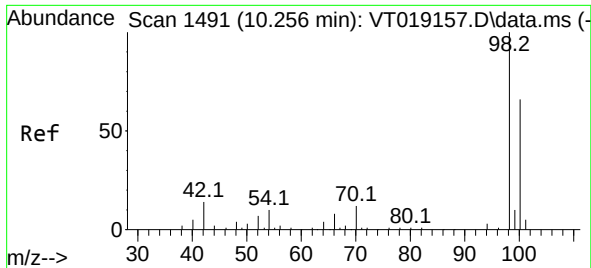
Reviewed By :John Carbone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#62
Toluene
Concen: 9.665 ug/l
RT: 10.333 min Scan# 1504
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

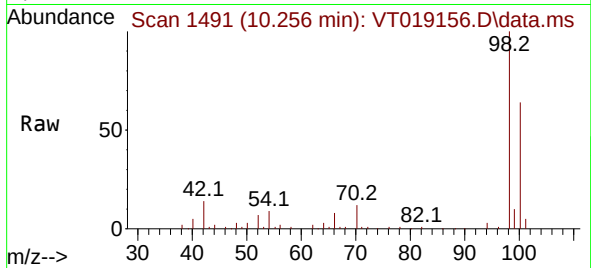
Tgt Ion: 91 Resp: 45305
Ion Ratio Lower Upper
91 100
92 57.7 46.6 69.8





#63
Toluene-d8
Concen: 29.802 ug/l
RT: 10.256 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

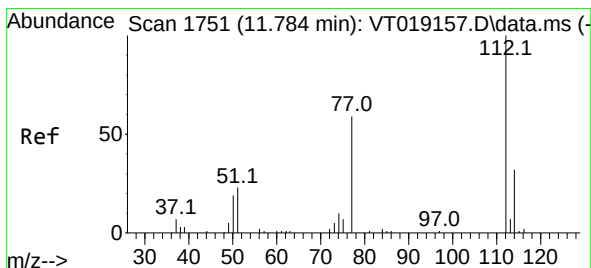
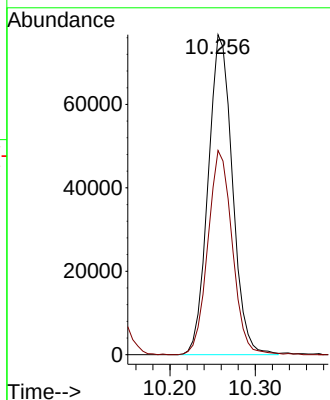
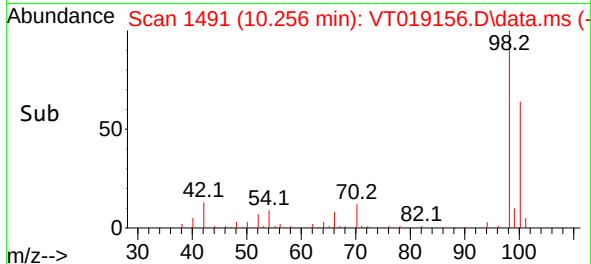
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



Tgt Ion: 98 Resp: 151798
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3

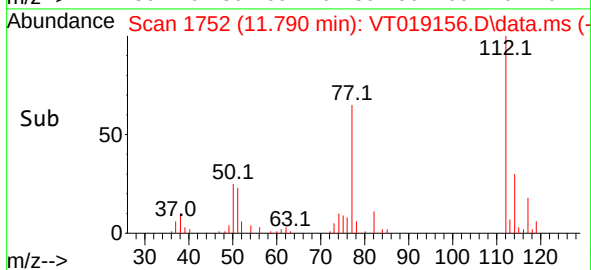
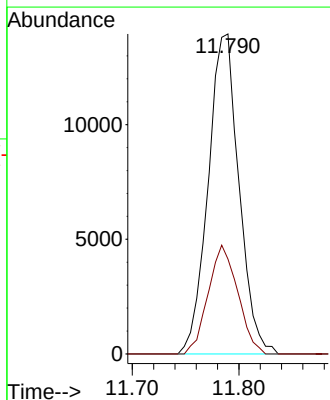
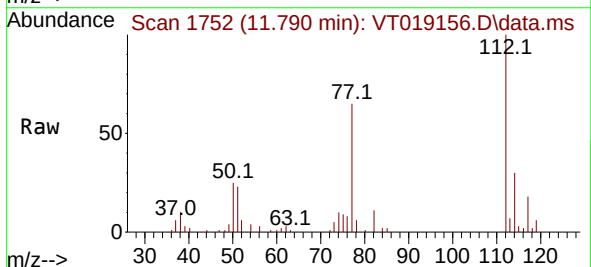
Manual Integrations
APPROVED

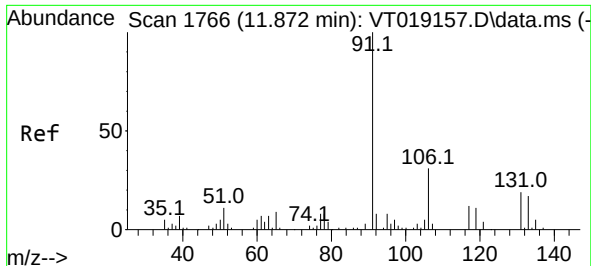
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#64
Chlorobenzene
Concen: 9.797 ug/l
RT: 11.790 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion:112 Resp: 28050
Ion Ratio Lower Upper
112 100
114 29.6 23.6 35.4





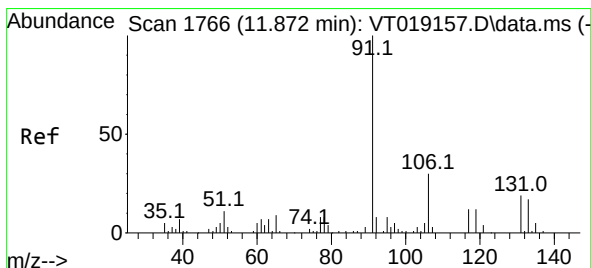
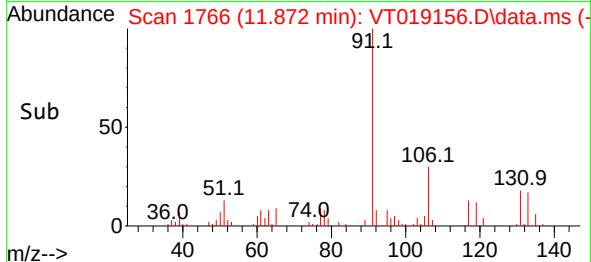
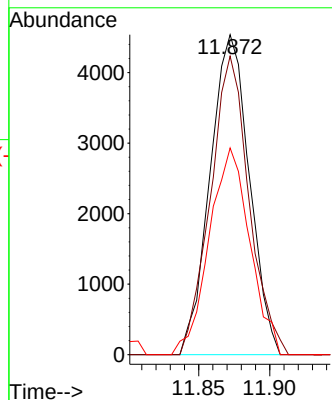
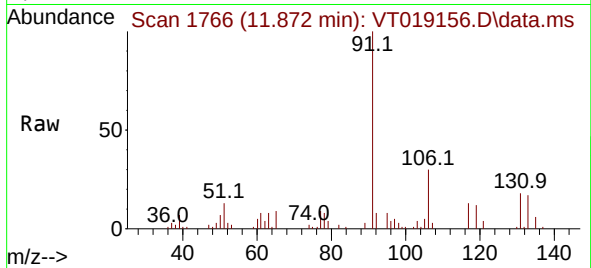
#65
1,1,1,2-Tetrachloroethane
Concen: 9.343 ug/l
RT: 11.872 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion:131 Resp: 871
Ion Ratio Lower Upper
131 100
133 91.7 0.0 188.2
119 66.8 0.0 101.8

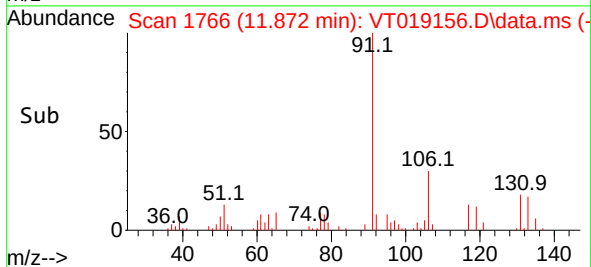
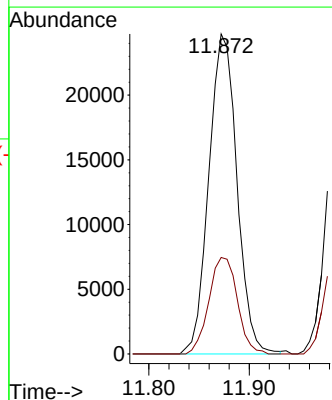
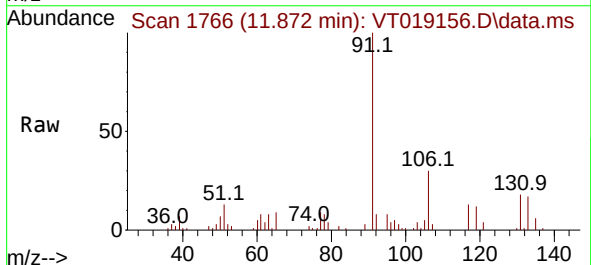
Manual Integrations
APPROVED

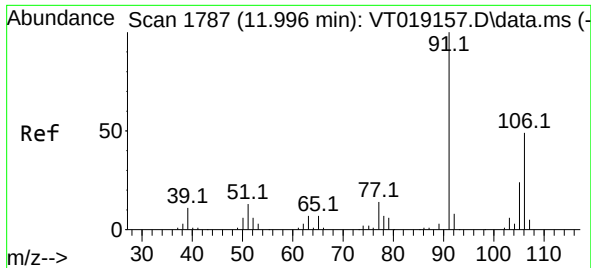
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#66
Ethyl Benzene
Concen: 9.447 ug/l
RT: 11.872 min Scan# 1766
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 91 Resp: 48125
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7





#67

m/p-Xylenes

Concen: 19.016 ug/l

RT: 12.001 min Scan# 1788

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 3601

Ion Ratio Lower Upper

106 100

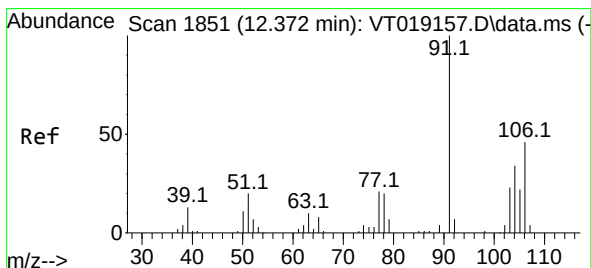
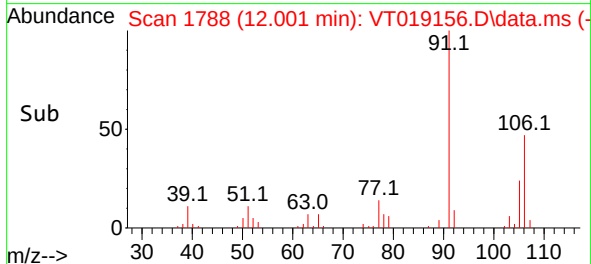
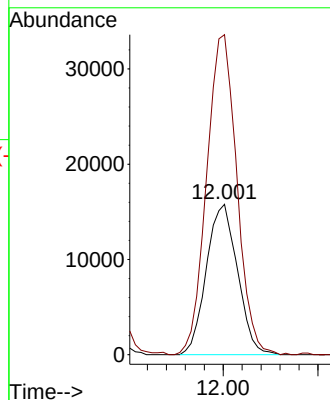
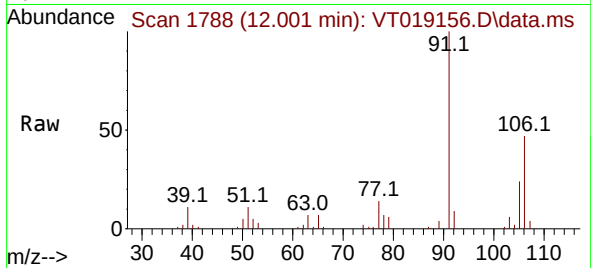
91 206.5 164.4 246.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#68

o-Xylene

Concen: 9.835 ug/l

RT: 12.371 min Scan# 1851

Delta R.T. -0.001 min

Lab File: VT019156.D

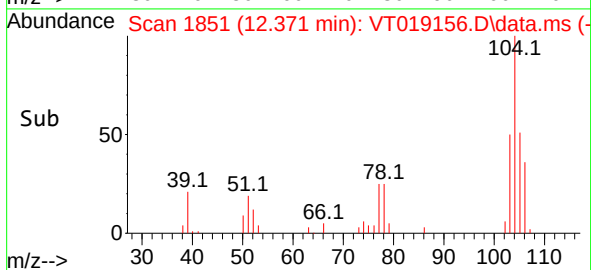
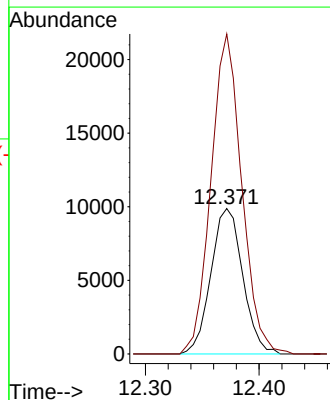
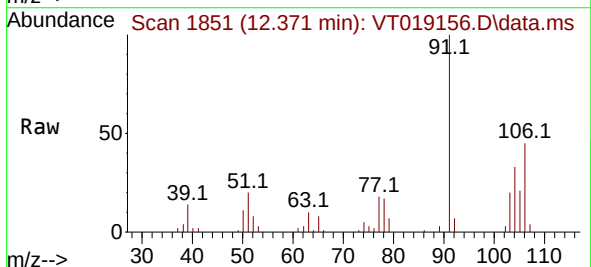
Acq: 22 Oct 2025 13:35

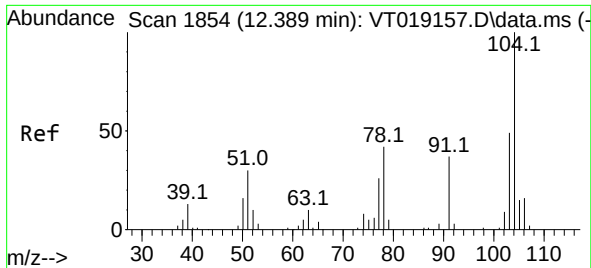
Tgt Ion:106 Resp: 19224

Ion Ratio Lower Upper

106 100

91 212.2 111.3 333.8





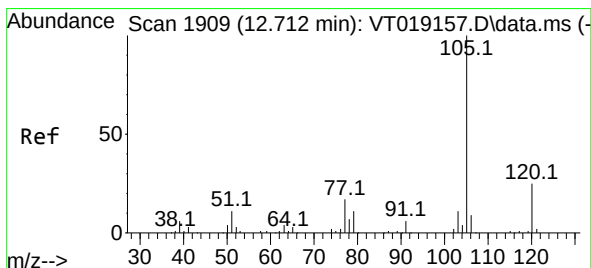
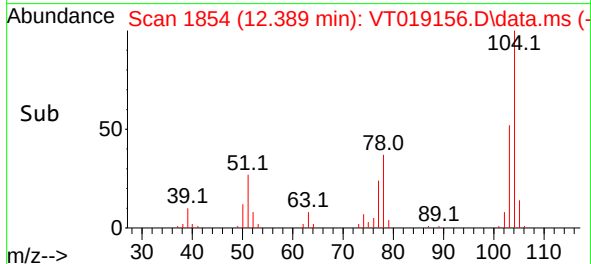
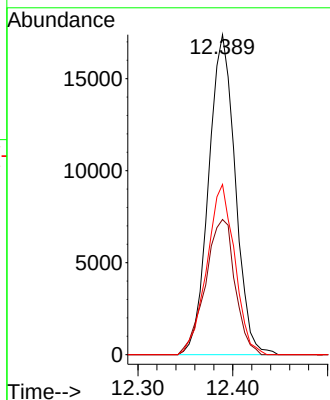
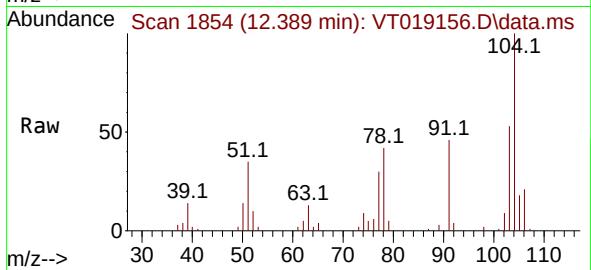
#69
Styrene
Concen: 9.667 ug/l
RT: 12.389 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion:104 Resp: 3392
Ion Ratio Lower Upper
104 100
78 47.0 42.6 63.8
103 55.6 43.5 65.3

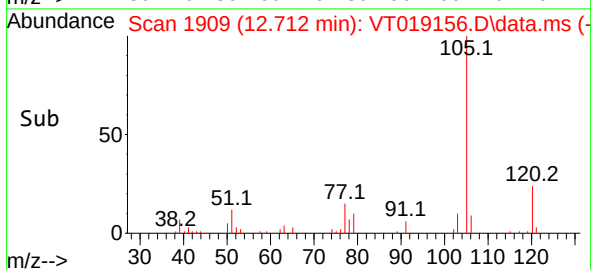
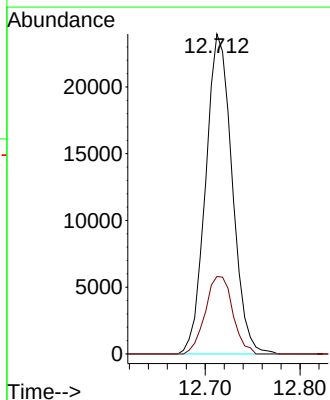
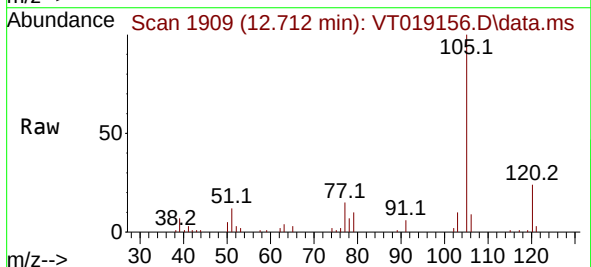
Manual Integrations
APPROVED

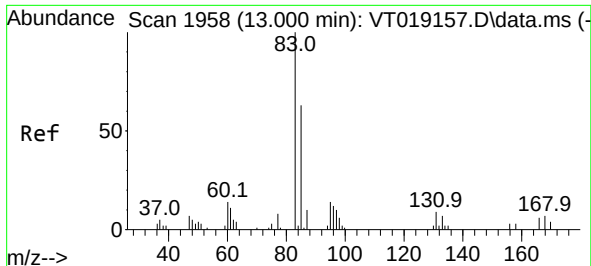
Reviewed By :John Carbone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#70
Isopropylbenzene
Concen: 9.691 ug/l
RT: 12.712 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion:105 Resp: 46466
Ion Ratio Lower Upper
105 100
120 25.1 17.8 33.0





#71

1,1,2,2-Tetrachloroethane

Concen: 10.170 ug/l

RT: 13.000 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

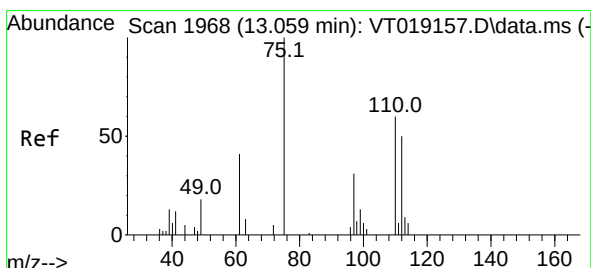
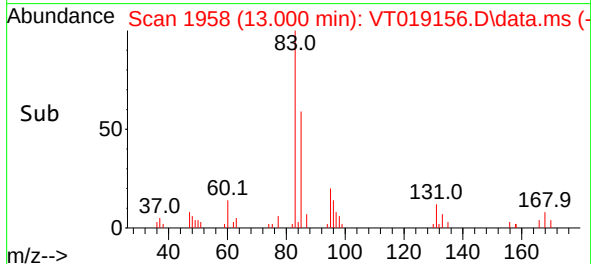
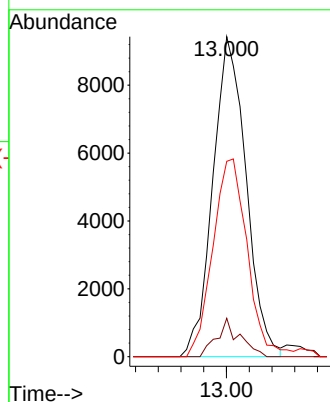
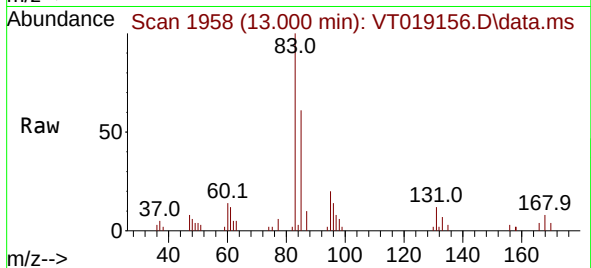
Tgt Ion:	83	Resp:	1913
Ion Ratio	Lower	Upper	
83	100		
131	5.6	6.0	18.0
85	64.1	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#72

1,2,3-Trichloropropane

Concen: 7.821 ug/l m

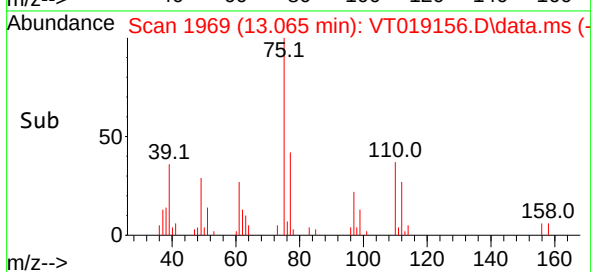
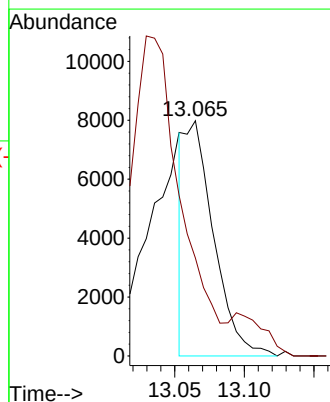
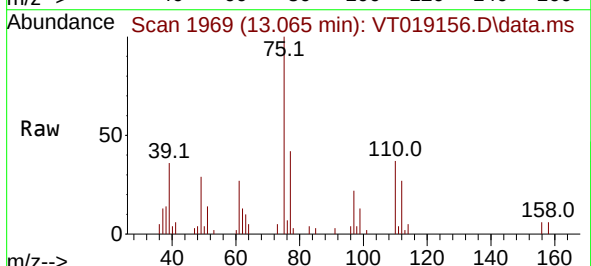
RT: 13.065 min Scan# 1969

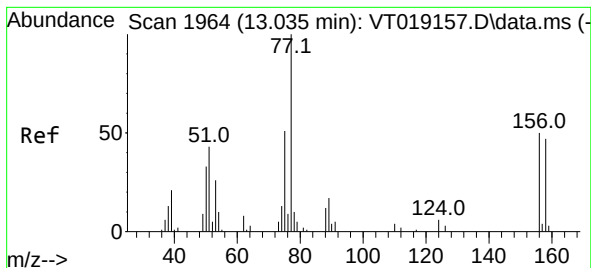
Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Tgt Ion:	75	Resp:	11596
Ion Ratio	Lower	Upper	
75	100		
77	22.6	0.0	74.2





#73

Bromobenzene

Concen: 10.305 ug/l

RT: 13.035 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC010

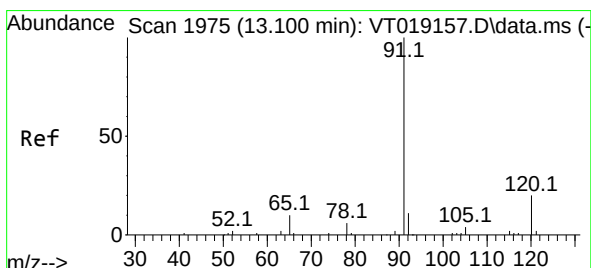
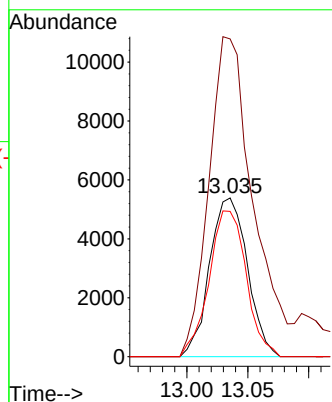
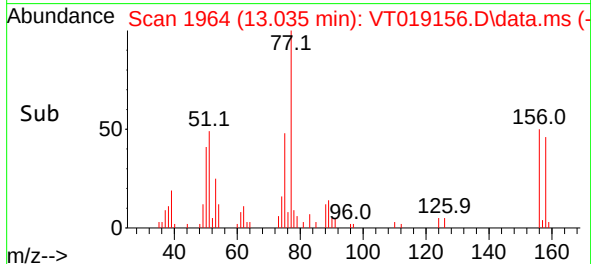
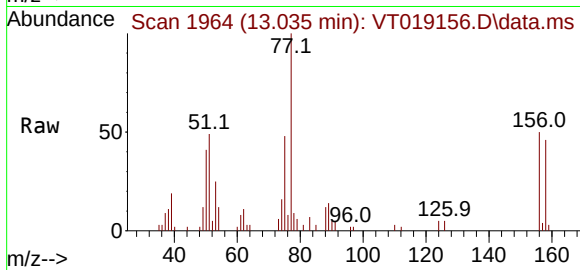
Tgt Ion:	156	Resp:	11619
Ion Ratio	Lower	Upper	
156	100		
77	233.6	0.0	340.8
158	90.5	0.0	189.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#74

n-propylbenzene

Concen: 9.556 ug/l

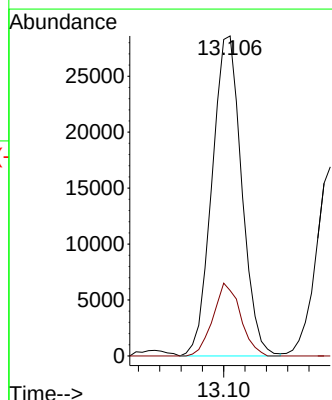
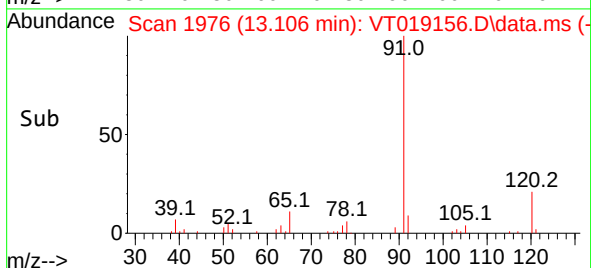
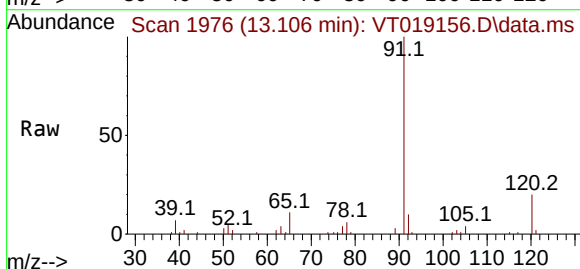
RT: 13.106 min Scan# 1976

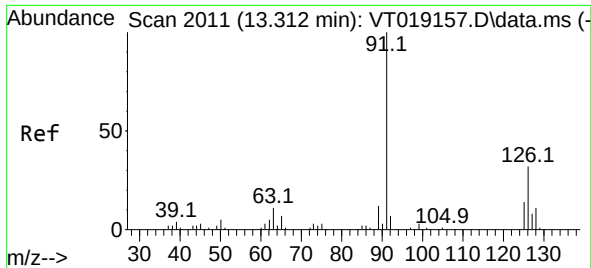
Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Tgt Ion:	91	Resp:	55248
Ion Ratio	Lower	Upper	
91	100		
120	21.0	0.0	44.4





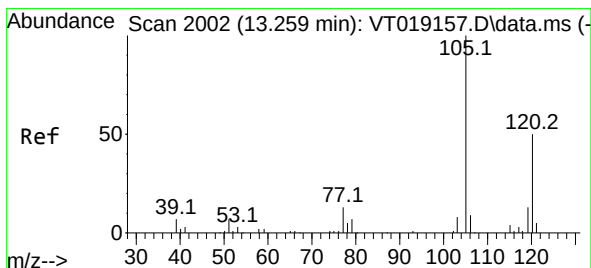
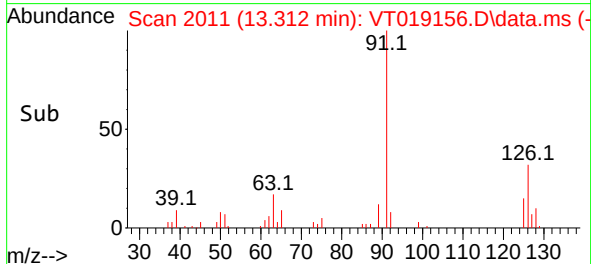
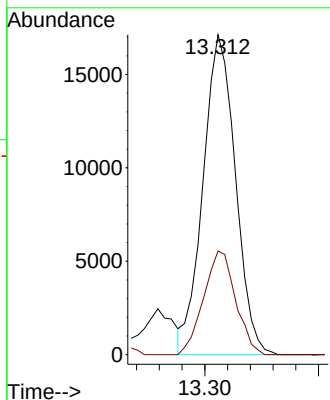
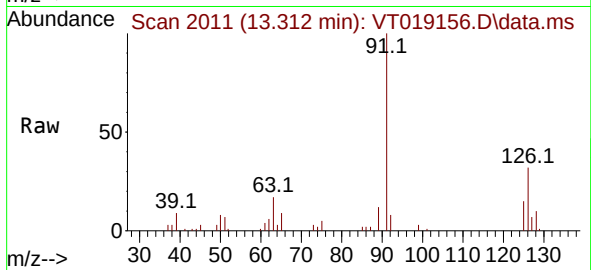
#75
2-Chlorotoluene
Concen: 9.578 ug/l
RT: 13.312 min Scan# 2011
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 3389
Ion Ratio Lower Upper
91 100
126 32.0 0.0 63.6

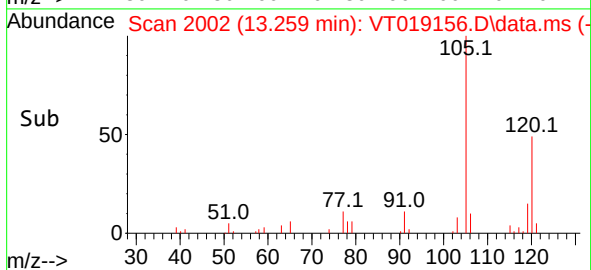
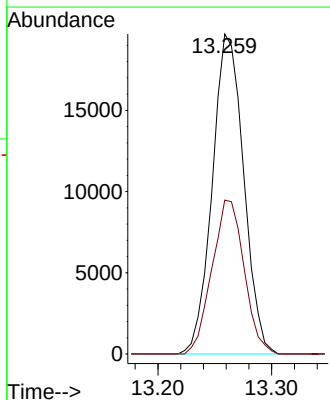
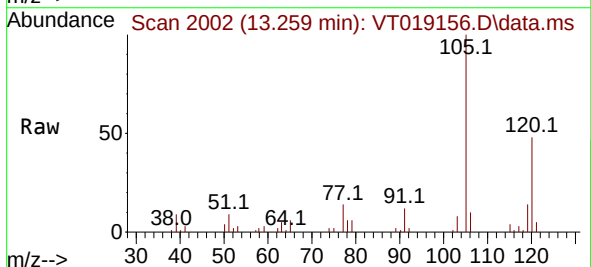
Manual Integrations
APPROVED

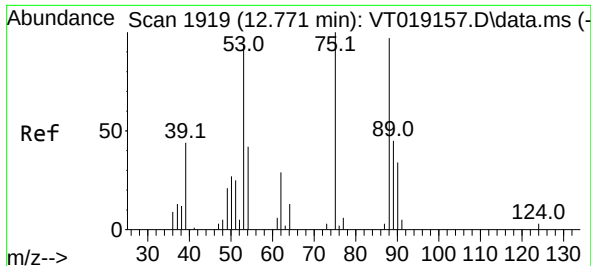
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#76
1,3,5-Trimethylbenzene
Concen: 9.581 ug/l
RT: 13.259 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

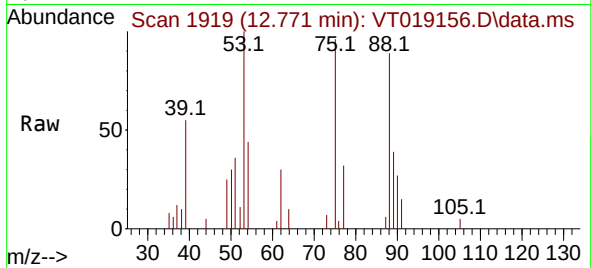
Tgt Ion:105 Resp: 37686
Ion Ratio Lower Upper
105 100
120 49.3 0.0 93.0





#77
t-1,4-Dichloro-2-butene
Concen: 8.935 ug/l
RT: 12.771 min Scan# 1919
Delta R.T. 0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

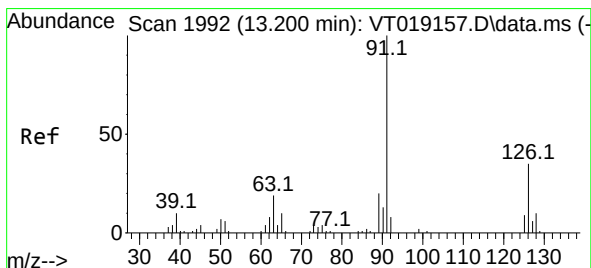
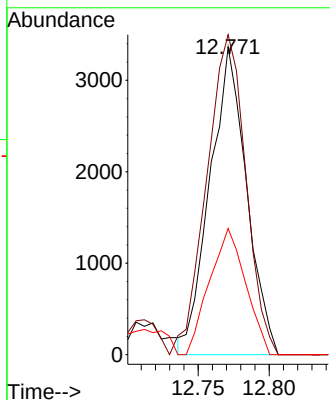
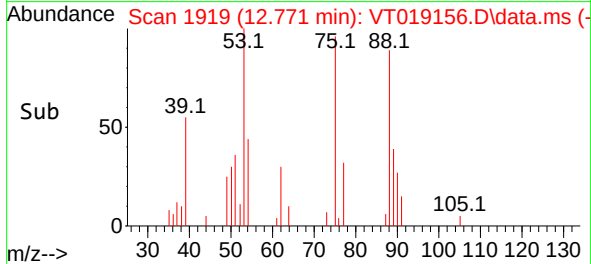
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 6028
Ion Ratio Lower Upper
75 100
53 104.0 48.4 145.2
89 41.0 33.8 101.3

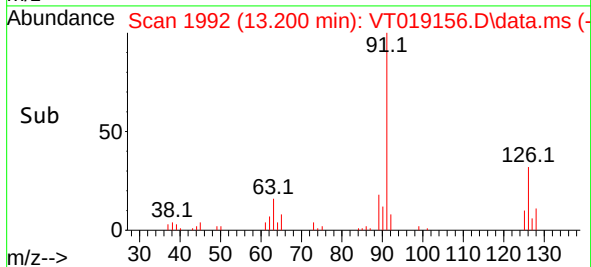
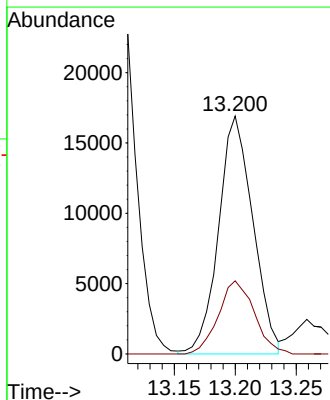
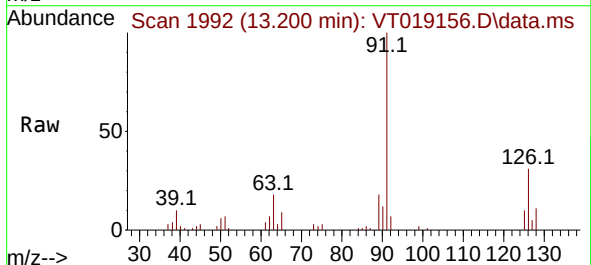
Manual Integrations
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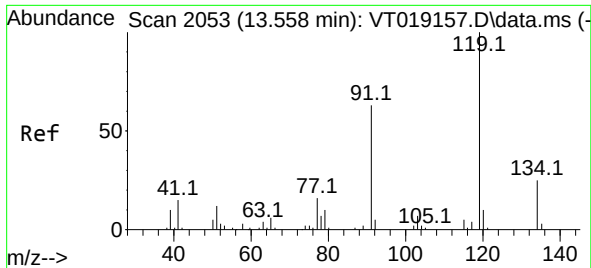
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#78
4-Chlorotoluene
Concen: 9.514 ug/l
RT: 13.200 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Tgt Ion: 91 Resp: 33217
Ion Ratio Lower Upper
91 100
126 32.1 0.0 57.2





#79

tert-butylbenzene

Concen: 9.426 ug/l

RT: 13.564 min Scan# 2053

Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC010

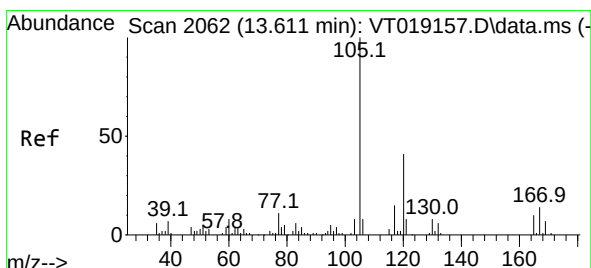
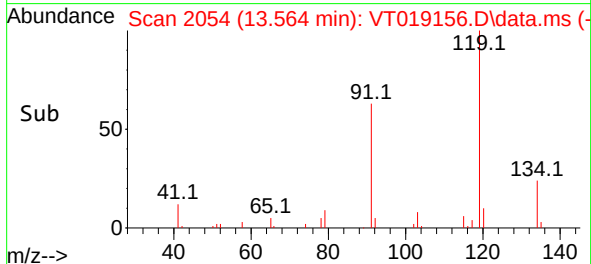
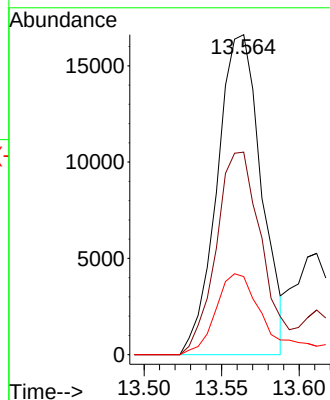
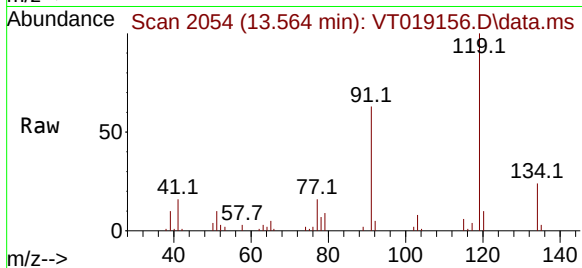
Tgt Ion:119 Resp: 32930
 Ion Ratio Lower Upper
 119 100
 91 65.2 0.0 120.6
 134 28.5 0.0 46.0

Manual Integrations

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Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#80

1,2,4-Trimethylbenzene

Concen: 9.441 ug/l

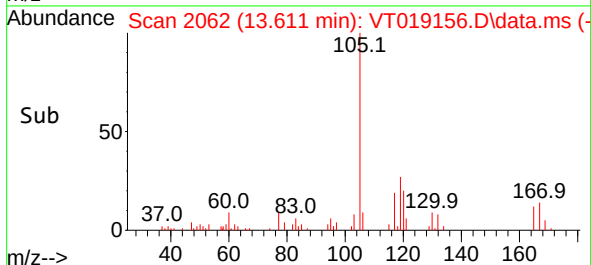
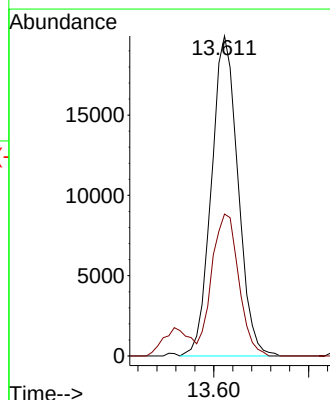
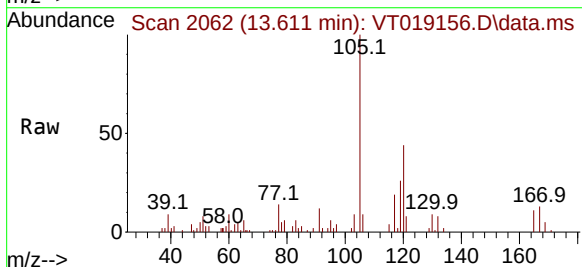
RT: 13.611 min Scan# 2062

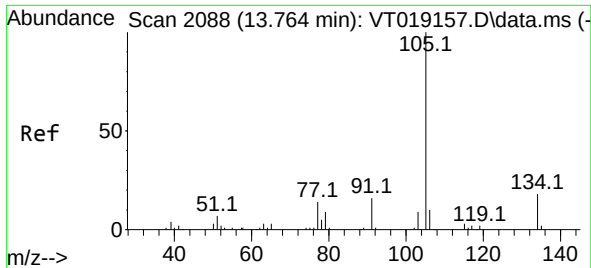
Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

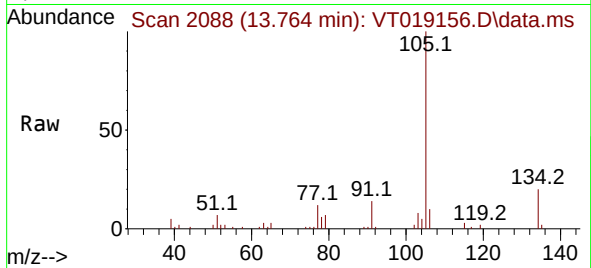
Tgt Ion:105 Resp: 38747
 Ion Ratio Lower Upper
 105 100
 120 45.0 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 9.360 ug/l
 RT: 13.764 min Scan# 2088
 Delta R.T. -0.000 min
 Lab File: VT019156.D
 Acq: 22 Oct 2025 13:35

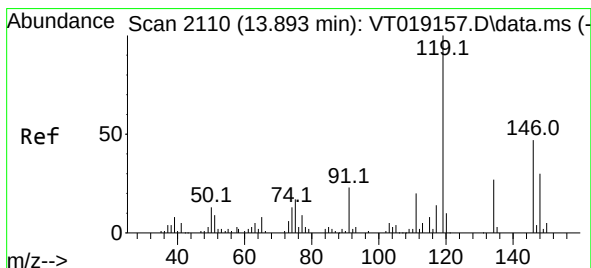
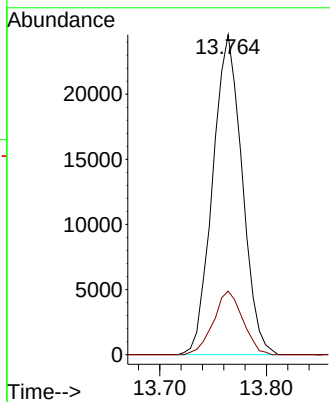
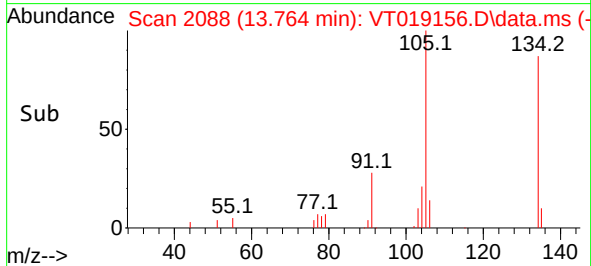
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC010



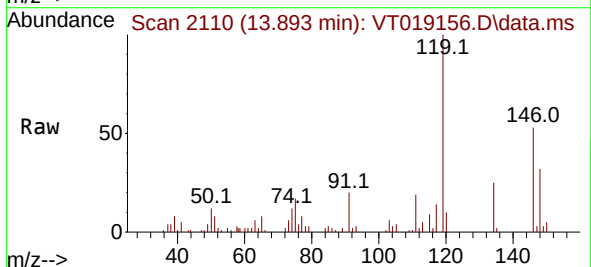
Tgt Ion:105 Resp: 47111
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.4

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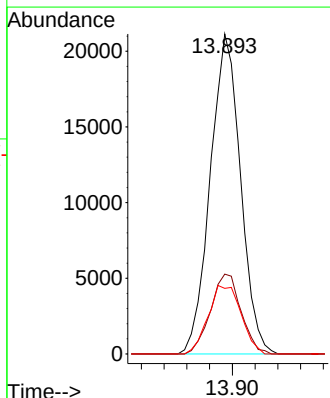
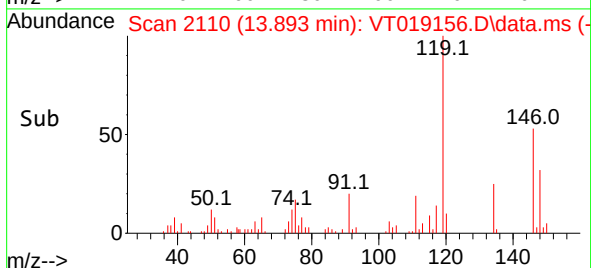
Reviewed By :John Carlone 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

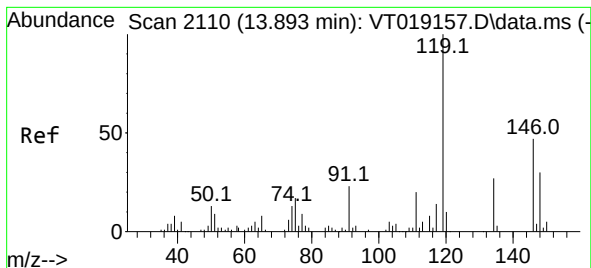


#82
 p-Isopropyltoluene
 Concen: 9.323 ug/l
 RT: 13.893 min Scan# 2110
 Delta R.T. 0.000 min
 Lab File: VT019156.D
 Acq: 22 Oct 2025 13:35



Tgt Ion:119 Resp: 39041
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 50.8
 91 23.3 0.0 51.0





#83

1,3-Dichlorobenzene

Concen: 9.571 ug/l

RT: 13.893 min Scan# 2110

Delta R.T. 0.000 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Instrument :

MSVOA_T

ClientSampleId :

VSTDICC010

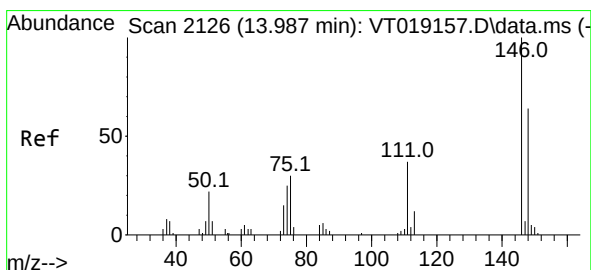
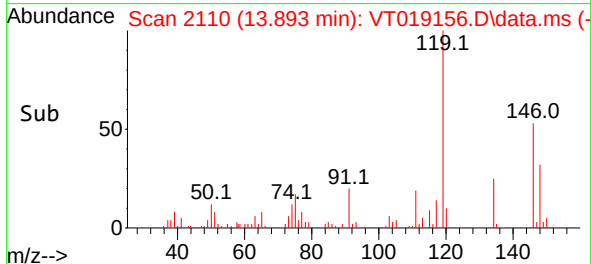
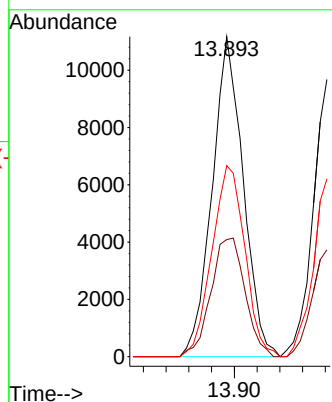
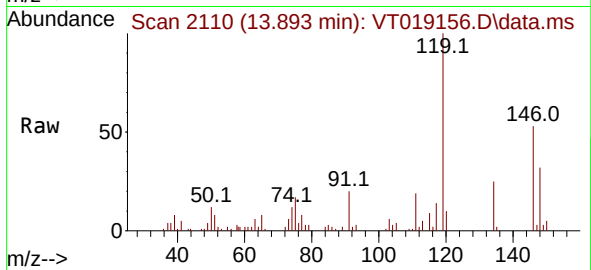
Tgt Ion:	146	Resp:	2116
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.7	62.1
148	63.4	31.8	95.3

Manual Integrations

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Reviewed By :John Carlone 10/27/2025

Supervised By :Mahesh Dadoda 10/27/2025



#84

1,4-Dichlorobenzene

Concen: 9.557 ug/l

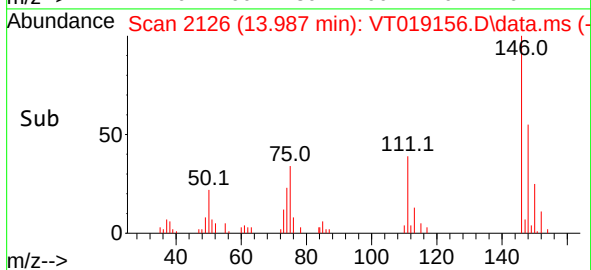
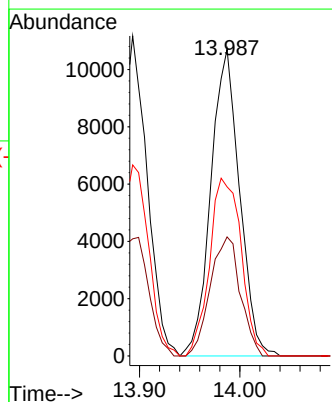
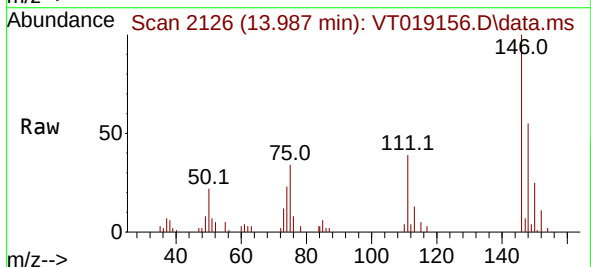
RT: 13.987 min Scan# 2126

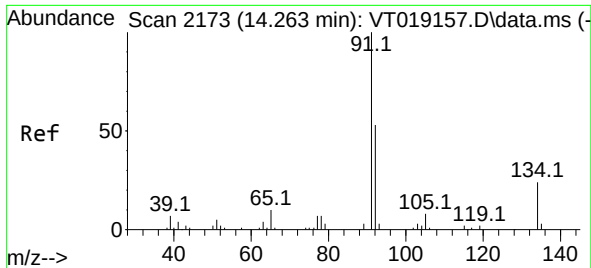
Delta R.T. 0.006 min

Lab File: VT019156.D

Acq: 22 Oct 2025 13:35

Tgt Ion:	146	Resp:	21276
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.3
148	63.8	32.3	96.8





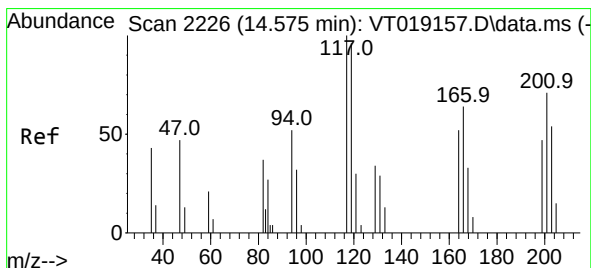
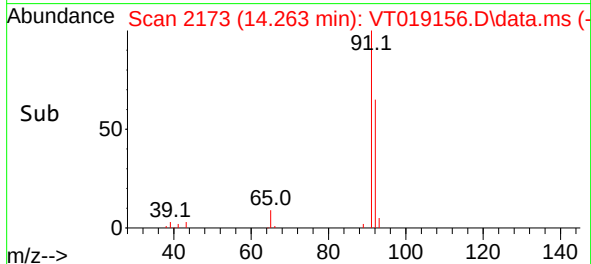
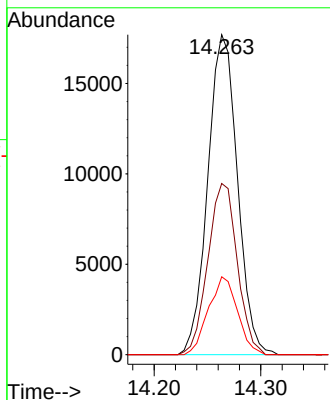
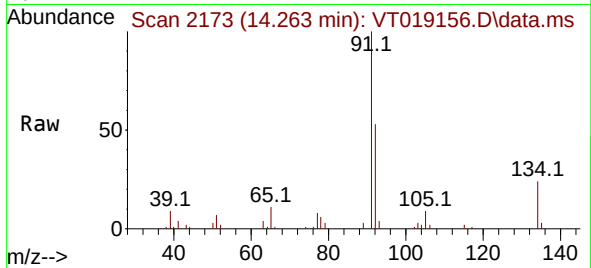
#85
n-Butylbenzene
Concen: 8.917 ug/l
RT: 14.263 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 34170
Ion Ratio Lower Upper
91 100
92 53.0 0.0 107.8
134 23.9 0.0 50.0

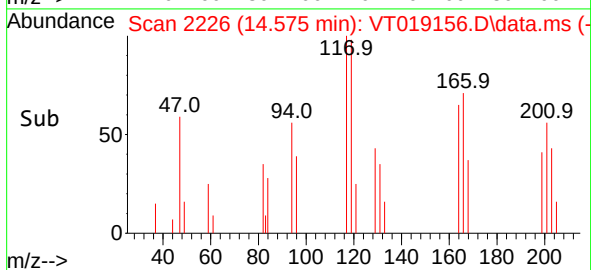
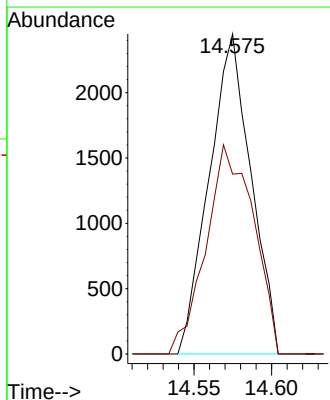
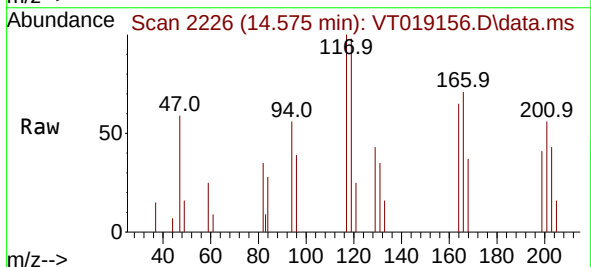
Manual Integrations
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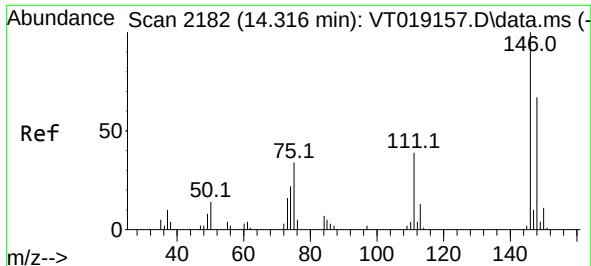
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#86
Hexachloroethane
Concen: 8.173 ug/l
RT: 14.575 min Scan# 2226
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

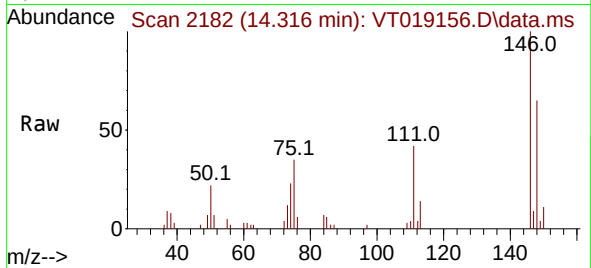
Tgt Ion:117 Resp: 4587
Ion Ratio Lower Upper
117 100
201 74.3 0.5 1.5#





#87
1,2-Dichlorobenzene
Concen: 9.827 ug/l
RT: 14.316 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

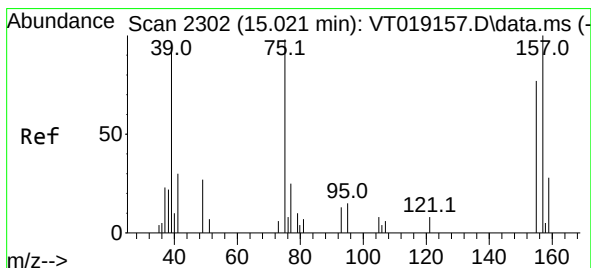
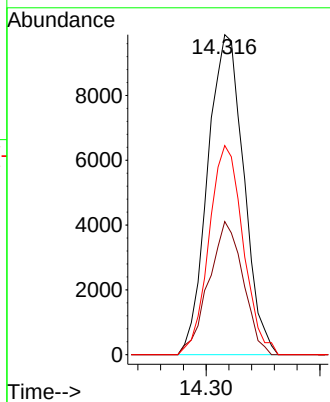
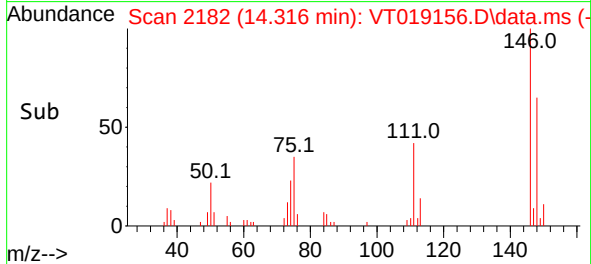
Instrument :
MSVOA_T
ClientSampleId :
VSTDICC010



Tgt Ion:146 Resp: 2170
Ion Ratio Lower Upper
146 100
111 39.7 21.8 65.3
148 62.0 32.4 97.0

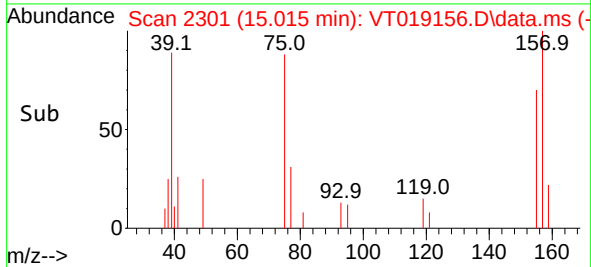
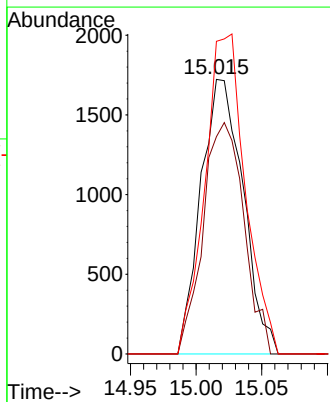
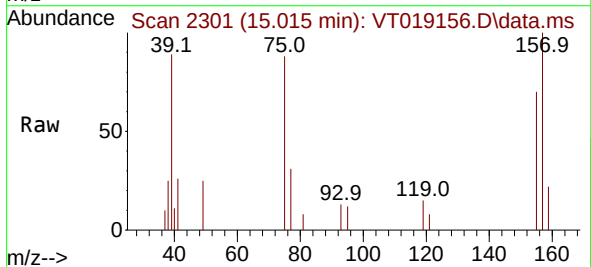
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Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 9.325 ug/l
RT: 15.015 min Scan# 2301
Delta R.T. -0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

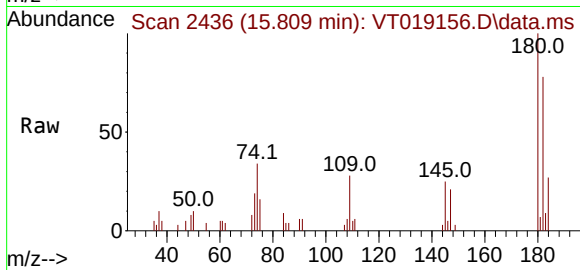
Tgt Ion: 75 Resp: 3854
Ion Ratio Lower Upper
75 100
155 81.4 65.4 98.2
157 111.8 82.0 123.0





#89
1,2,4-Trichlorobenzene
Concen: 9.710 ug/l
RT: 15.809 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

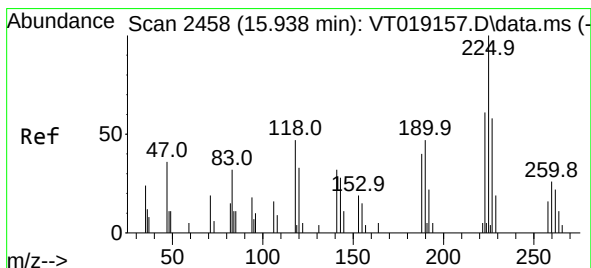
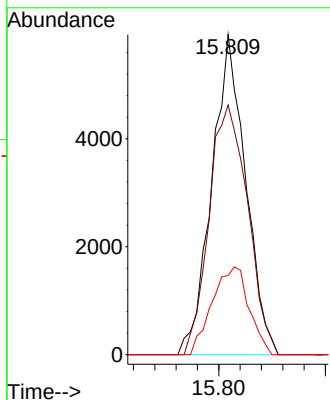
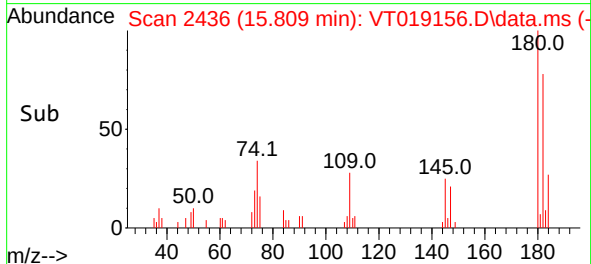
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



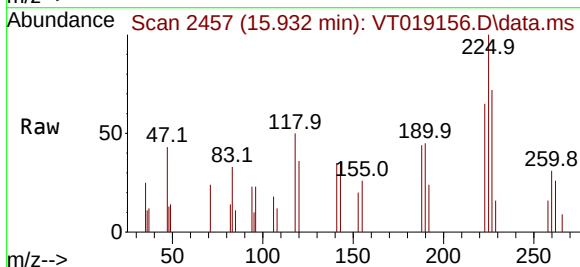
Tgt Ion:180 Resp: 1305
Ion Ratio Lower Upper
180 100
182 88.8 78.2 117.2
145 29.9 26.5 39.7

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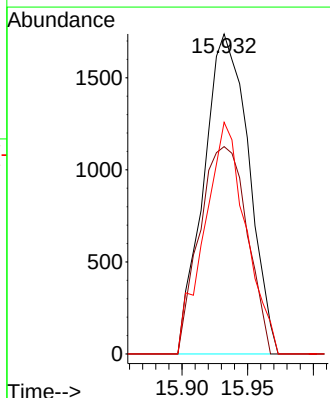
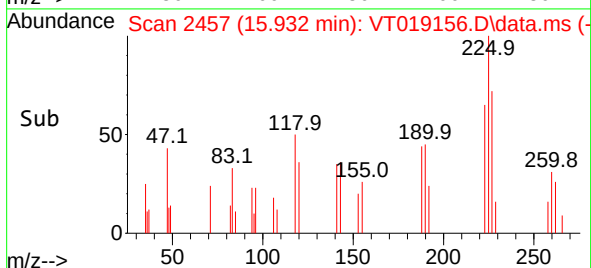
Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

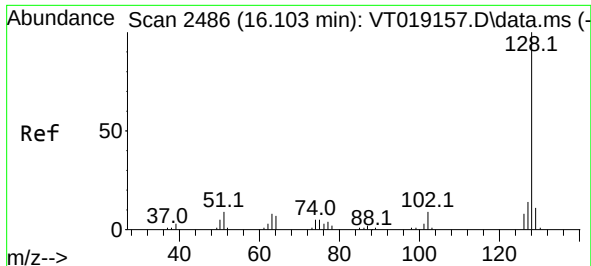


#90
Hexachlorobutadiene
Concen: 9.306 ug/l
RT: 15.932 min Scan# 2457
Delta R.T. -0.006 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



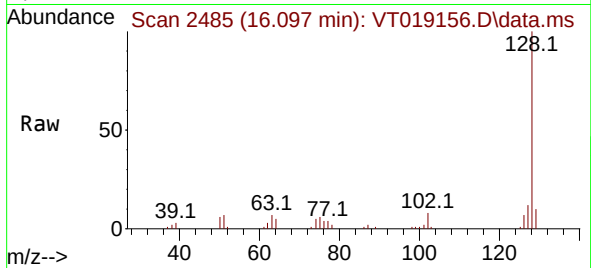
Tgt Ion:225 Resp: 4149
Ion Ratio Lower Upper
225 100
223 68.6 0.0 73.8
227 66.6 0.0 130.6





#91
Naphthalene
Concen: 9.868 ug/l
RT: 16.097 min Scan# 2486
Delta R.T. -0.000 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35

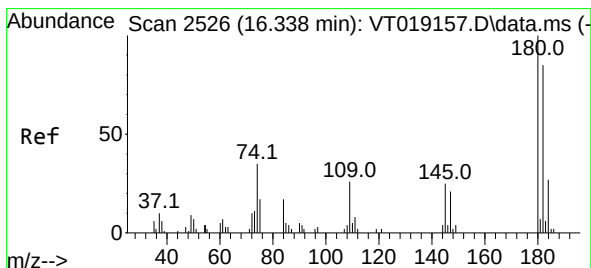
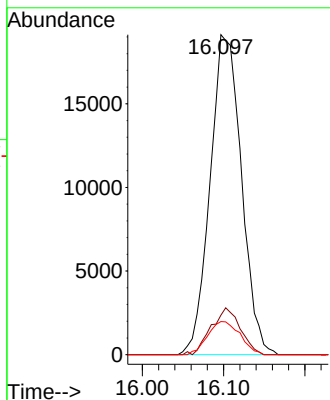
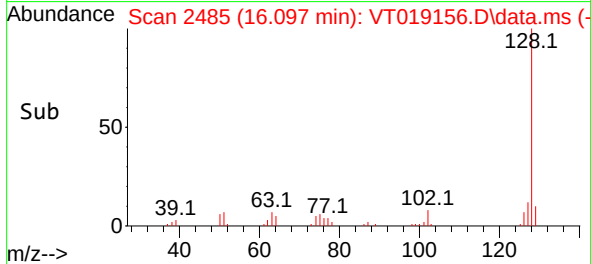
Instrument :
MSVOA_T
ClientSampleId :
VSTDIC010



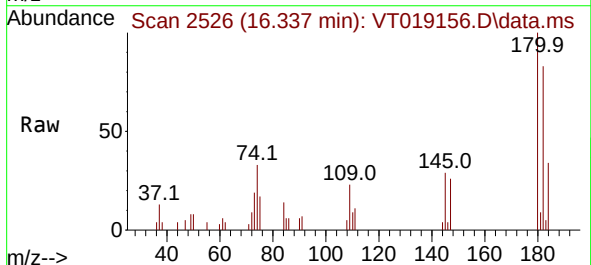
Tgt Ion:128 Resp: 51289
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 10.7 9.0 13.4

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



#92
1,2,3-Trichlorobenzene
Concen: 9.536 ug/l
RT: 16.337 min Scan# 2526
Delta R.T. -0.001 min
Lab File: VT019156.D
Acq: 22 Oct 2025 13:35



Tgt Ion:180 Resp: 12943
Ion Ratio Lower Upper
180 100
182 96.5 0.0 189.0
145 30.9 0.0 69.2

