

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023481.D
 Acq On : 16 Oct 2025 09:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 17 01:50:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	504198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	703605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	622685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	326705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	197403	46.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.640	113	228352	52.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.640%		
50) Toluene-d8	10.109	98	858304	53.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.620%		
62) 4-Bromofluorobenzene	12.407	95	274401	51.622	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	168822	46.518	ug/l	100
3) Chloromethane	2.074	50	230975	46.720	ug/l	96
4) Vinyl Chloride	2.208	62	312417	48.517	ug/l	100
5) Bromomethane	2.598	94	252674	46.758	ug/l	99
6) Chloroethane	2.738	64	227451	51.818	ug/l	99
7) Trichlorofluoromethane	3.061	101	450846	50.425	ug/l	100
8) Diethyl Ether	3.458	74	109301	46.784	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.817	101	247859	53.422	ug/l	99
10) Methyl Iodide	4.006	142	304220	58.900	ug/l	99
11) Tert butyl alcohol	4.854	59	65026	207.314	ug/l	98
12) 1,1-Dichloroethene	3.793	96	231632	51.502	ug/l	94
13) Acrolein	3.659	56	46607	105.158	ug/l	99
14) Allyl chloride	4.390	41	277163	50.565	ug/l	98
15) Acrylonitrile	5.061	53	209158	233.934	ug/l	99
16) Acetone	3.866	43	253226	252.283	ug/l	99
17) Carbon Disulfide	4.110	76	662664	51.479	ug/l	99
18) Methyl Acetate	4.384	43	130552	49.583	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	513963	47.547	ug/l	97
20) Methylene Chloride	4.622	84	252722	46.562	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	262147	52.941	ug/l	98
22) Diisopropyl ether	6.024	45	625388	51.581	ug/l	99
23) Vinyl Acetate	5.963	43	1552651	236.589	ug/l	99
24) 1,1-Dichloroethane	5.921	63	424830	52.897	ug/l	98
25) 2-Butanone	6.896	43	275465	224.795	ug/l	98
26) 2,2-Dichloropropane	6.890	77	397829	53.984	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	306156	53.526	ug/l	97
28) Bromochloromethane	7.250	49	140992	47.026	ug/l	99
29) Tetrahydrofuran	7.268	42	149257	214.792	ug/l	100
30) Chloroform	7.426	83	473385	53.648	ug/l	99
31) Cyclohexane	7.707	56	342677	48.858	ug/l	99
32) 1,1,1-Trichloroethane	7.621	97	430796	53.723	ug/l	99
36) 1,1-Dichloropropene	7.841	75	327508	57.220	ug/l	100
37) Ethyl Acetate	6.987	43	106159	46.817	ug/l	99
38) Carbon Tetrachloride	7.823	117	402588	58.008	ug/l	100
39) Methylcyclohexane	9.115	83	414933	55.679	ug/l	100
40) Benzene	8.085	78	1016809	56.096	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	65803	53.656	ug/l #	87
42) 1,2-Dichloroethane	8.164	62	247813	53.011	ug/l	100
43) Isopropyl Acetate	8.201	43	208996	46.223	ug/l	100
44) Trichloroethene	8.871	130	293318	55.287	ug/l	99
45) 1,2-Dichloropropane	9.146	63	222124	55.480	ug/l	99
46) Dibromomethane	9.237	93	138624	54.757	ug/l	97
47) Bromodichloromethane	9.426	83	357924	56.136	ug/l	99
48) Methyl methacrylate	9.225	41	103819	48.875	ug/l	98
49) 1,4-Dioxane	9.225	88	26701	909.671	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	564235	241.527	ug/l	100
52) Toluene	10.176	92	674636	57.323	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	297170	53.602	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	361241	55.208	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	181108	53.198	ug/l	97
56) Ethyl methacrylate	10.444	69	198657	50.587	ug/l	99
57) 1,3-Dichloropropane	10.719	76	289701	53.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	452744	257.357	ug/l	99
59) 2-Hexanone	10.761	43	404991	242.583	ug/l	100
60) Dibromochloromethane	10.914	129	258288	54.114	ug/l	98
61) 1,2-Dibromoethane	11.017	107	173331	53.386	ug/l	99
64) Tetrachloroethene	10.651	164	365309	56.818	ug/l	97
65) Chlorobenzene	11.444	112	752258	55.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	269641	55.871	ug/l	99
67) Ethyl Benzene	11.523	91	1259682	57.462	ug/l	100
68) m/p-Xylenes	11.627	106	1023796	116.434	ug/l	99
69) o-Xylene	11.956	106	469895	56.974	ug/l	99
70) Styrene	11.968	104	793392	58.498	ug/l	100
71) Bromoform	12.133	173	155093	51.808	ug/l #	99
73) Isopropylbenzene	12.255	105	1241405	57.659	ug/l	100
74) N-amyl acetate	12.072	43	181603	46.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	175704	49.896	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	138704m	48.121	ug/l	
77) Bromobenzene	12.535	156	306909	53.619	ug/l	99
78) n-propylbenzene	12.596	91	1453652	58.345	ug/l	100
79) 2-Chlorotoluene	12.682	91	818664	56.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	1015624	58.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	57920	49.275	ug/l	99
82) 4-Chlorotoluene	12.779	91	852372	56.726	ug/l	100
83) tert-Butylbenzene	12.999	119	918191	57.159	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1006700	57.979	ug/l	100
85) sec-Butylbenzene	13.175	105	1339630	58.135	ug/l	99
86) p-Isopropyltoluene	13.291	119	1150627	58.647	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	613123	55.008	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	589042	53.509	ug/l	99
89) n-Butylbenzene	13.620	91	1000821	58.544	ug/l	99
90) Hexachloroethane	13.883	117	240918	57.092	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	527112	53.941	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26704	46.217	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	313461	51.453	ug/l	100
94) Hexachlorobutadiene	15.023	225	208839	54.993	ug/l	99
95) Naphthalene	15.145	128	463611	47.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	265054	50.229	ug/l	100

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VSTDCCC050

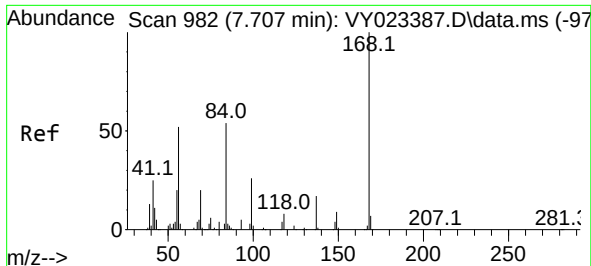
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

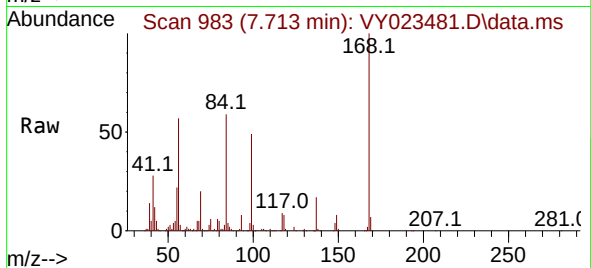
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023481.D
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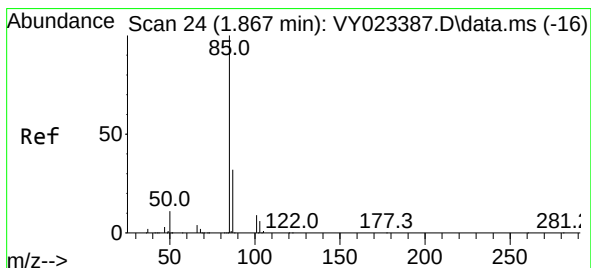
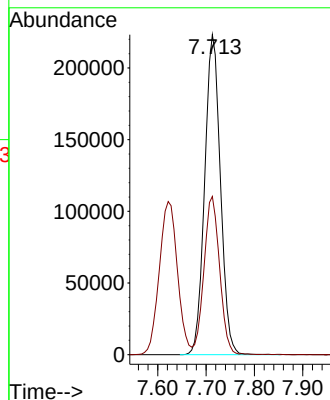
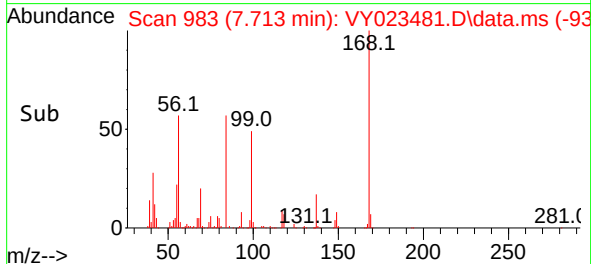
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 504198
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5

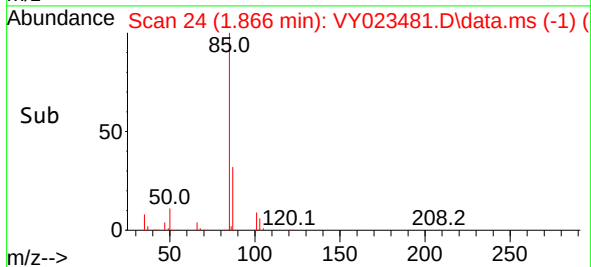
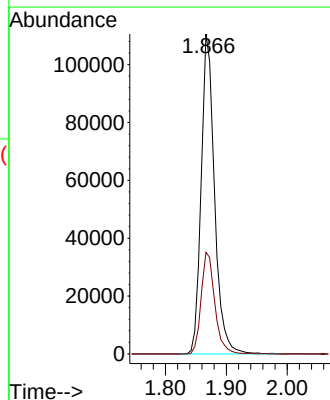
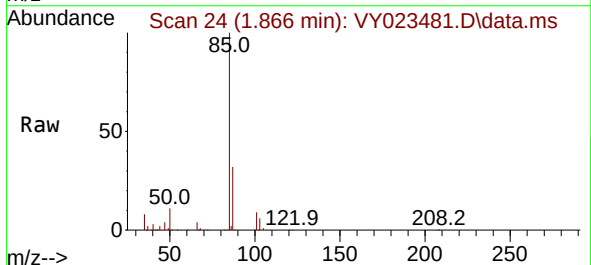
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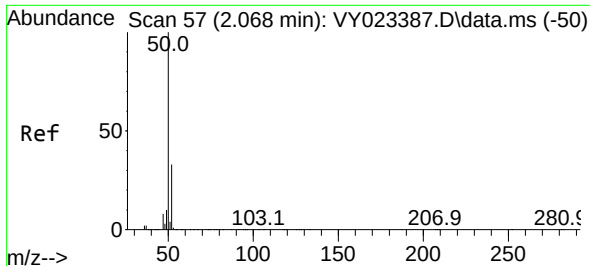
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#2
Dichlorodifluoromethane
Concen: 46.518 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

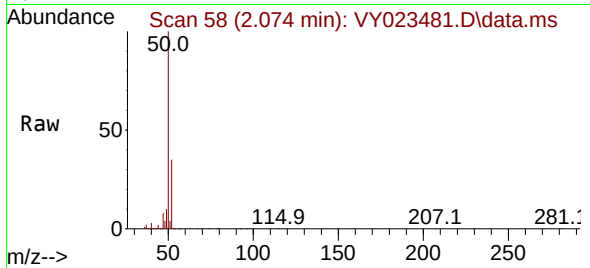
Tgt Ion: 85 Resp: 168822
Ion Ratio Lower Upper
85 100
87 31.8 16.0 47.9





#3
Chloromethane
Concen: 46.720 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

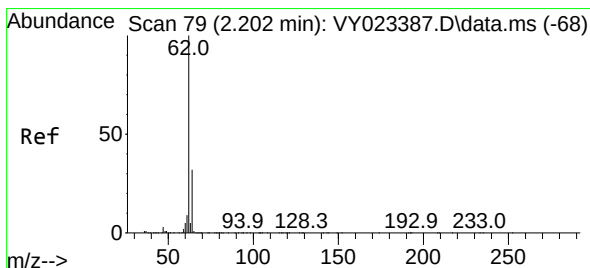
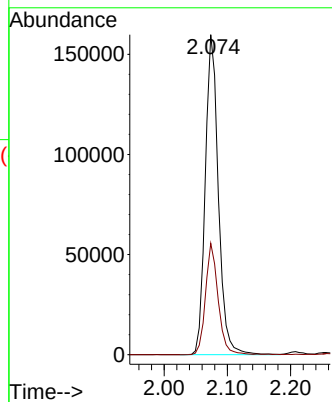
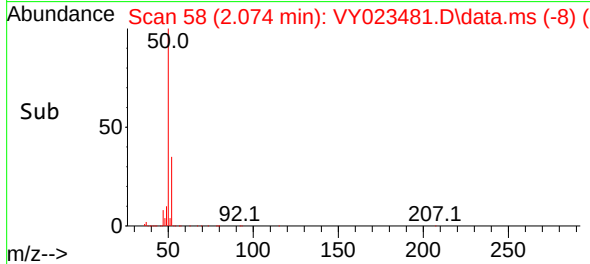
Instrument :
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ClientSampleId :
VSTDCCC050



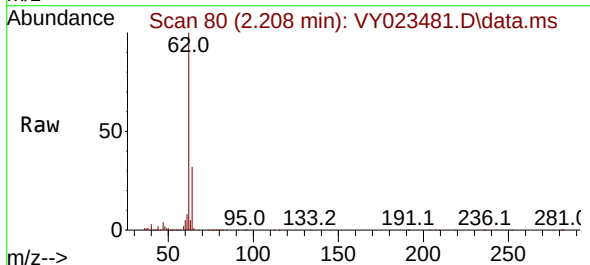
Tgt Ion: 50 Resp: 230975
Ion Ratio Lower Upper
50 100
52 34.8 26.2 39.2

Manual Integrations
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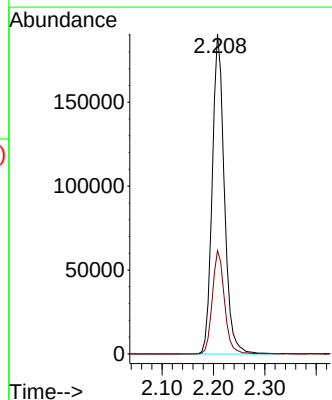
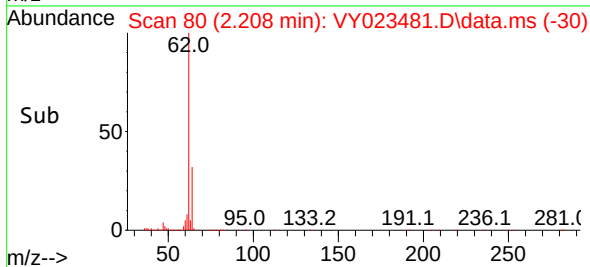
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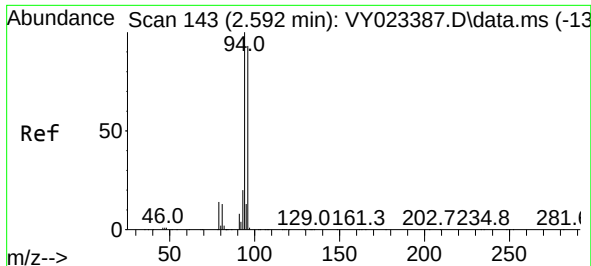


#4
Vinyl Chloride
Concen: 48.517 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



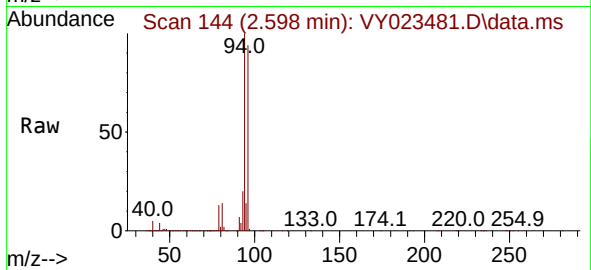
Tgt Ion: 62 Resp: 312417
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.8





#5
Bromomethane
Concen: 46.758 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

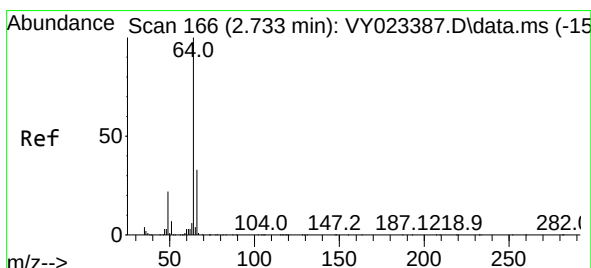
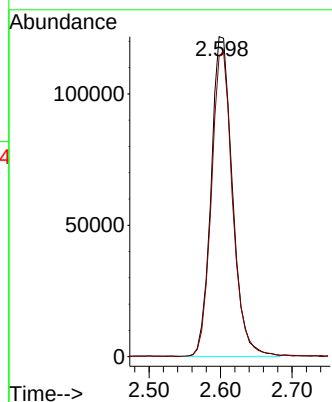
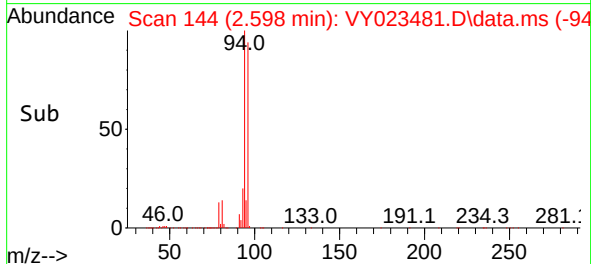
Instrument :
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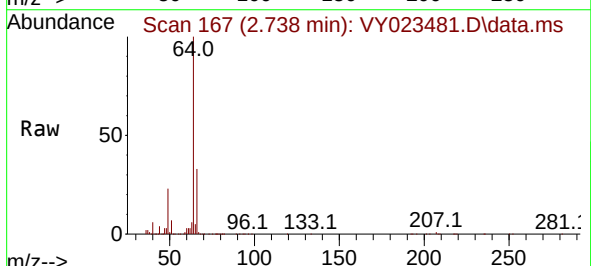
Tgt Ion: 94 Resp: 252674
Ion Ratio Lower Upper
94 100
96 93.8 74.5 111.7

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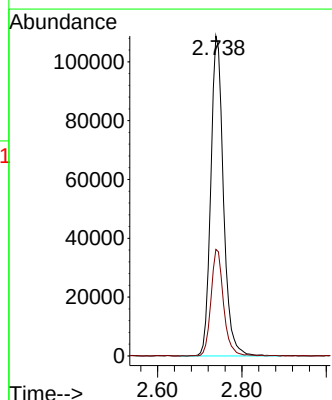
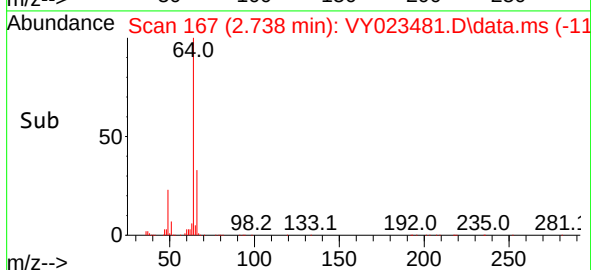
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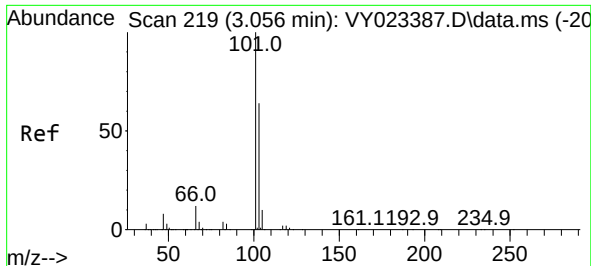


#6
Chloroethane
Concen: 51.818 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion: 64 Resp: 227451
Ion Ratio Lower Upper
64 100
66 33.3 26.2 39.4





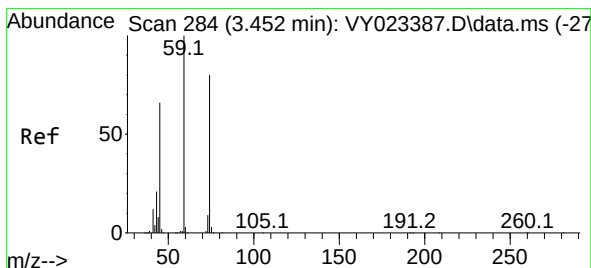
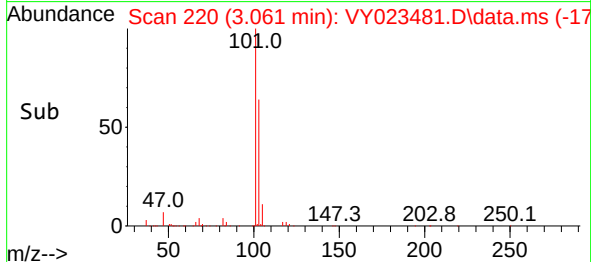
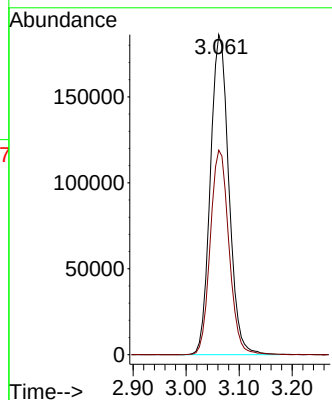
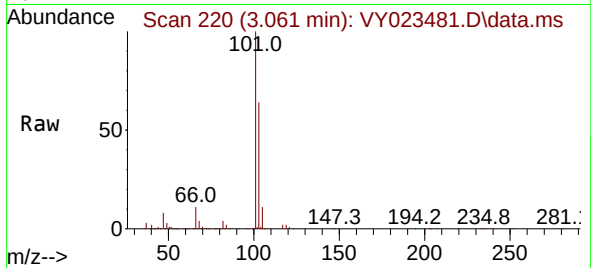
#7
Trichlorofluoromethane
Concen: 50.425 ug/l
RT: 3.061 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 450840
Ion Ratio Lower Upper
101 100
103 63.9 51.3 76.9

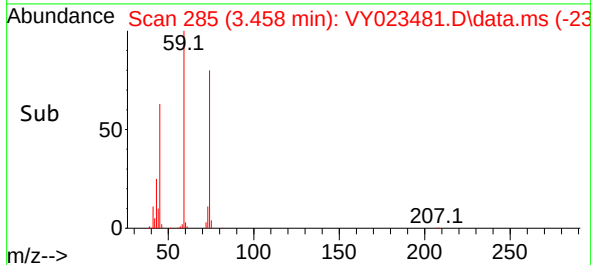
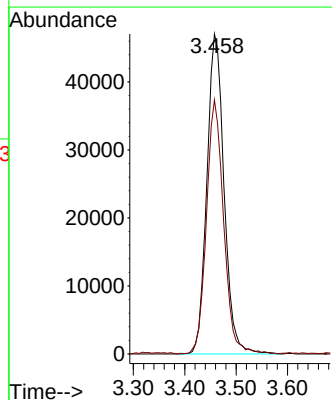
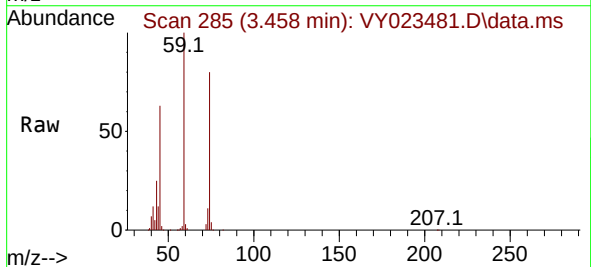
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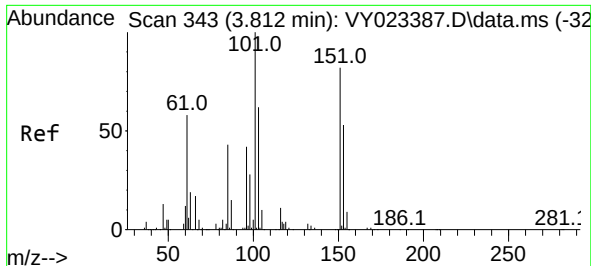
Reviewed By :John Carlone 10/17/2025
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#8
Diethyl Ether
Concen: 46.784 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Tgt Ion: 74 Resp: 109301
Ion Ratio Lower Upper
74 100
45 79.7 39.9 119.7





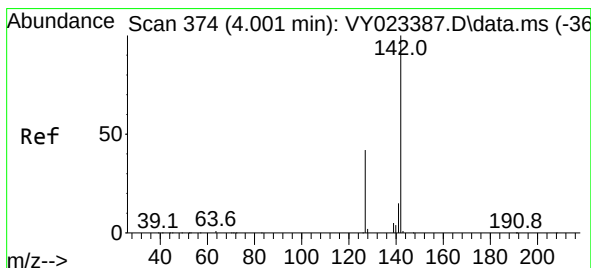
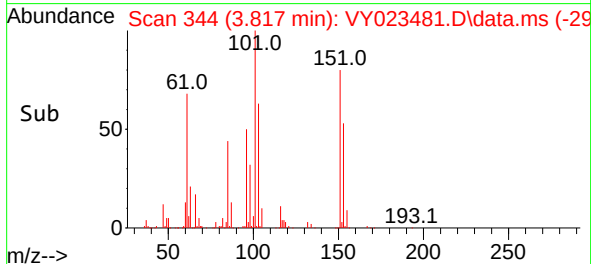
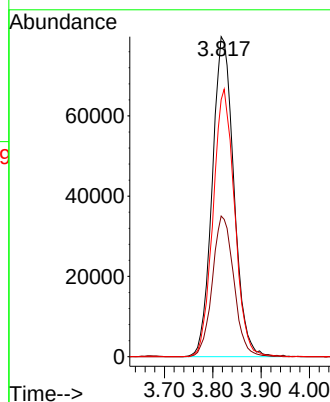
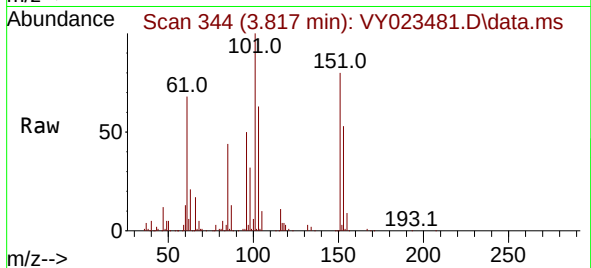
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.422 ug/l
RT: 3.817 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 247859
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 83.3 67.0 100.6

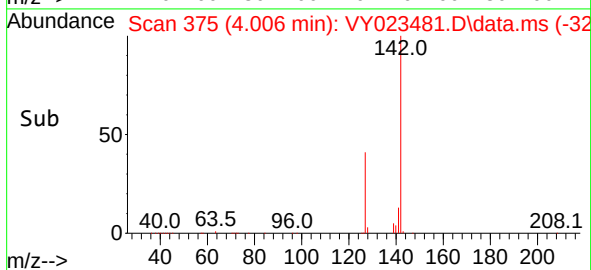
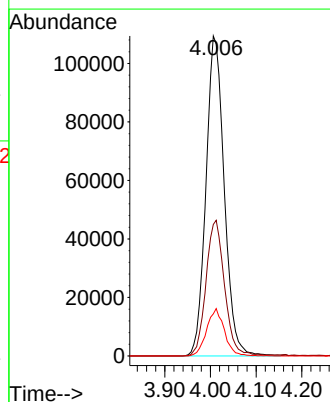
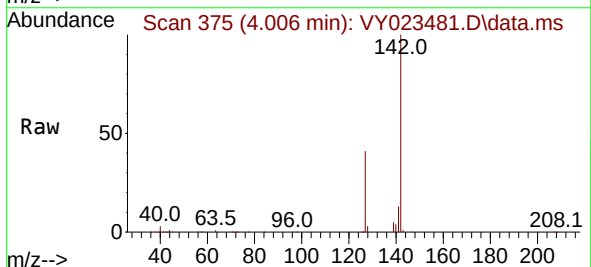
Manual Integrations
APPROVED

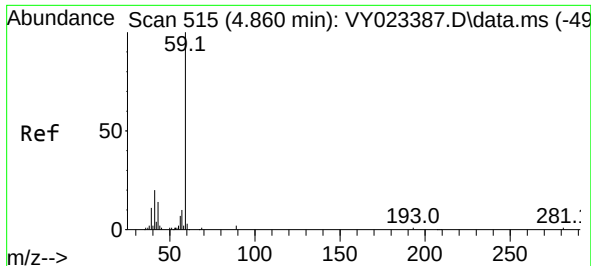
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#10
Methyl Iodide
Concen: 58.900 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

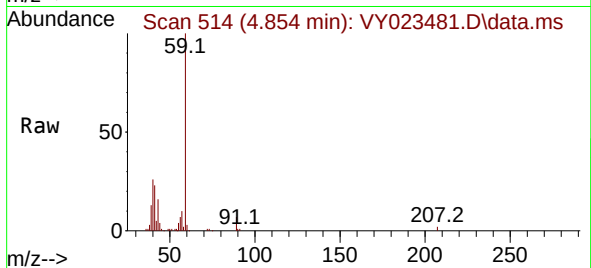
Tgt Ion:142 Resp: 304220
Ion Ratio Lower Upper
142 100
127 43.1 34.8 52.2
141 14.4 11.6 17.4





#11
Tert butyl alcohol
Concen: 207.314 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.007 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

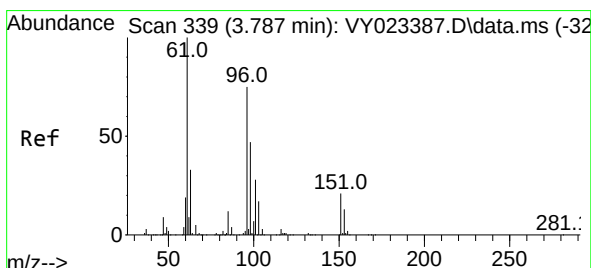
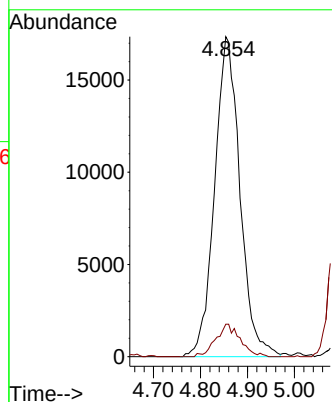
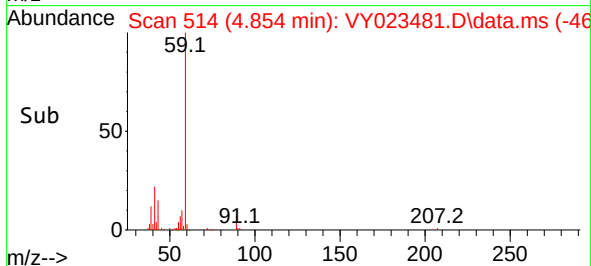
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 59 Resp: 65020
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5

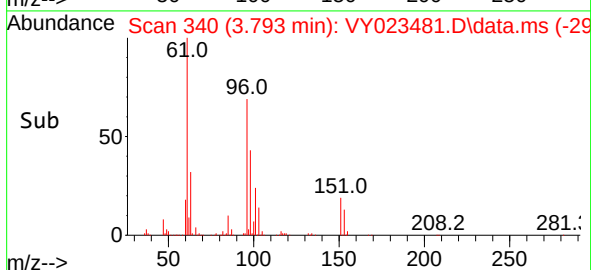
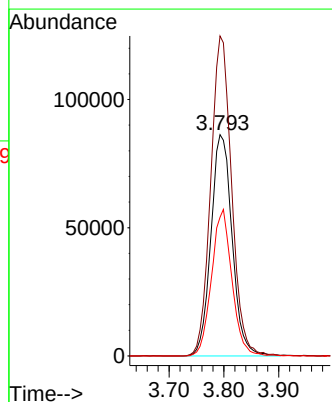
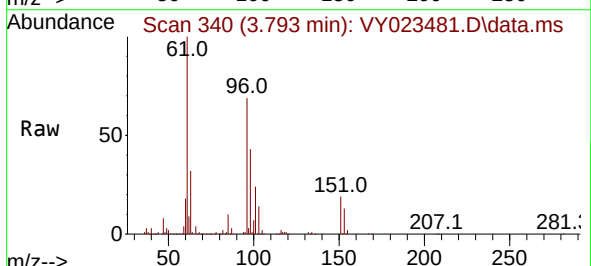
Manual Integrations
APPROVED

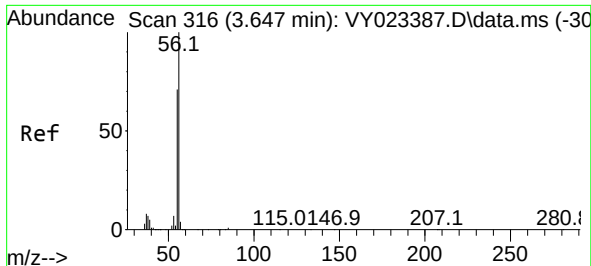
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#12
1,1-Dichloroethene
Concen: 51.502 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

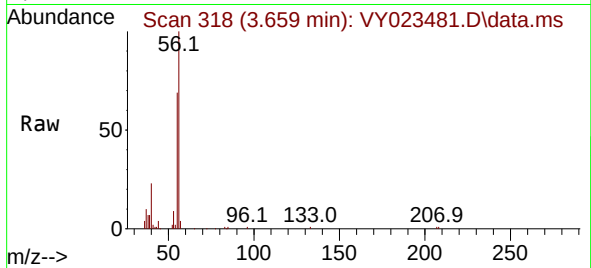
Tgt Ion: 96 Resp: 231632
Ion Ratio Lower Upper
96 100
61 144.6 106.7 160.1
98 62.7 50.2 75.4





#13
Acrolein
Concen: 105.158 ug/l
RT: 3.659 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

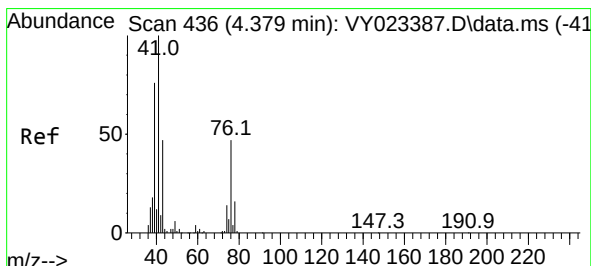
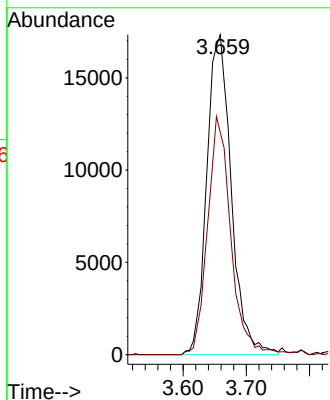
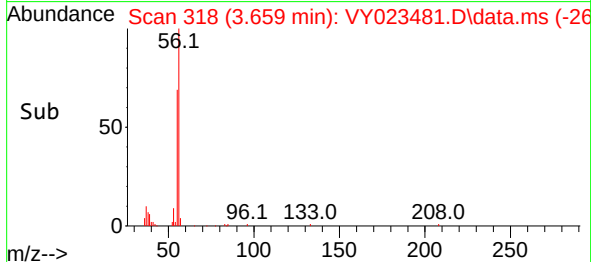
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



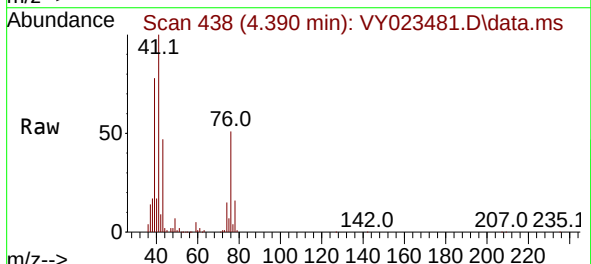
Tgt Ion: 56 Resp: 46607
Ion Ratio Lower Upper
56 100
55 70.7 56.1 84.1

Manual Integrations
APPROVED

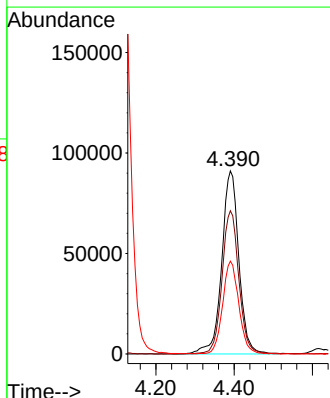
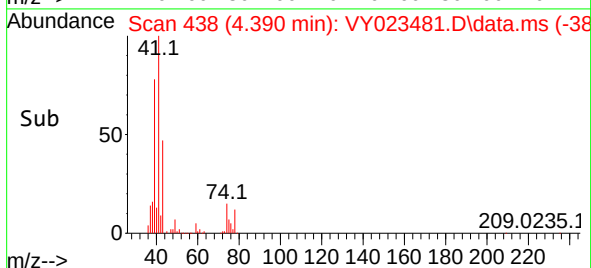
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

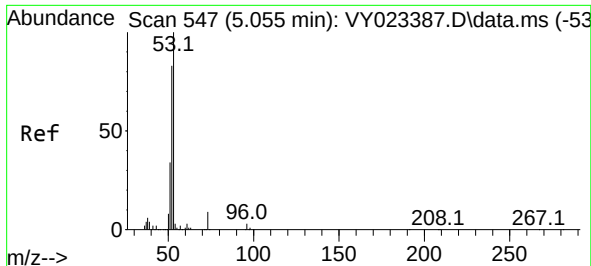


#14
Allyl chloride
Concen: 50.565 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



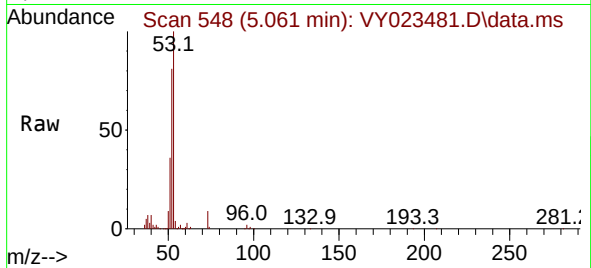
Tgt Ion: 41 Resp: 277163
Ion Ratio Lower Upper
41 100
39 77.0 59.9 89.9
76 48.0 38.0 57.0





#15
Acrylonitrile
Concen: 233.934 ug/l
RT: 5.061 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

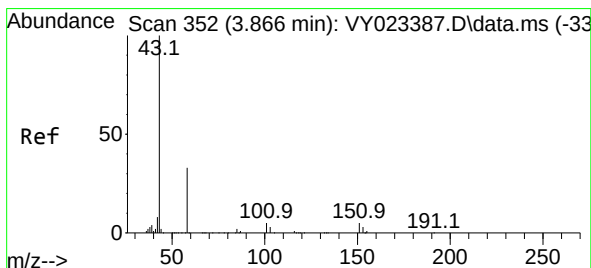
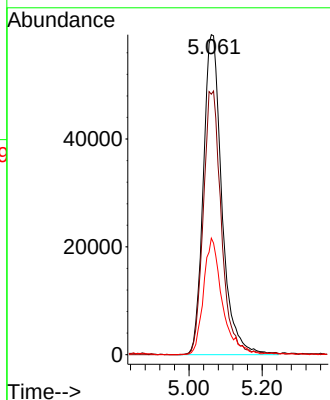
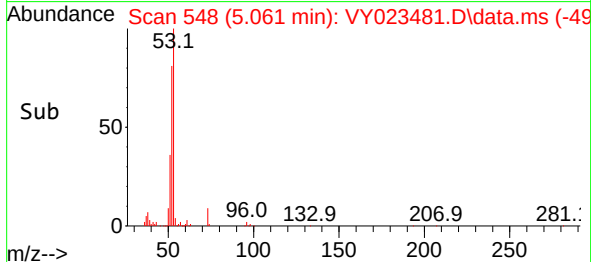
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 209158
Ion Ratio Lower Upper
53 100
52 80.2 64.6 97.0
51 36.8 29.5 44.3

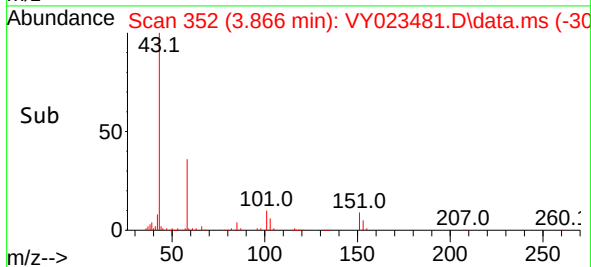
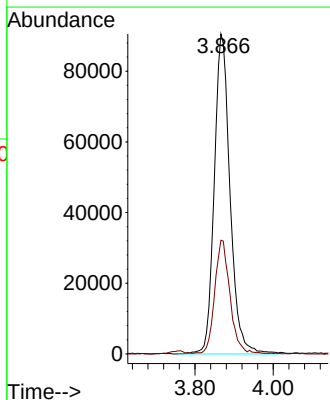
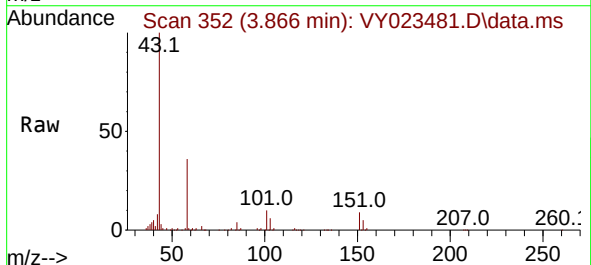
Manual Integrations
APPROVED

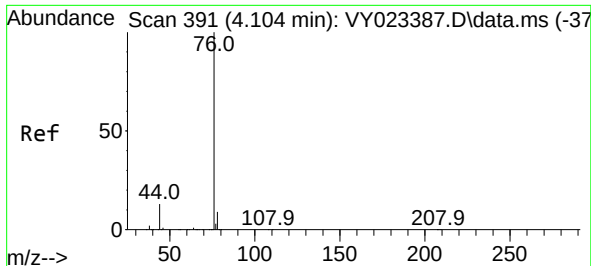
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#16
Acetone
Concen: 252.283 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

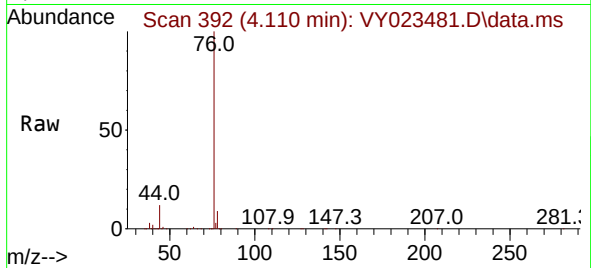
Tgt Ion: 43 Resp: 253226
Ion Ratio Lower Upper
43 100
58 35.4 27.7 41.5





#17
Carbon Disulfide
Concen: 51.479 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

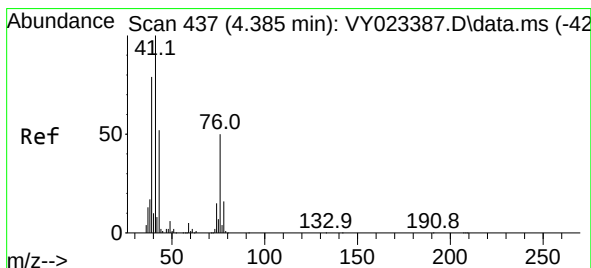
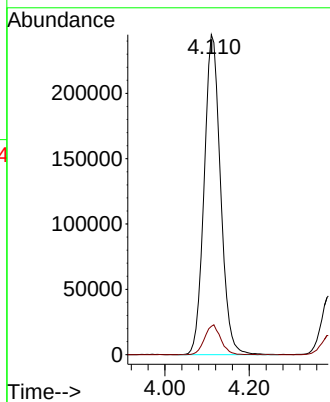
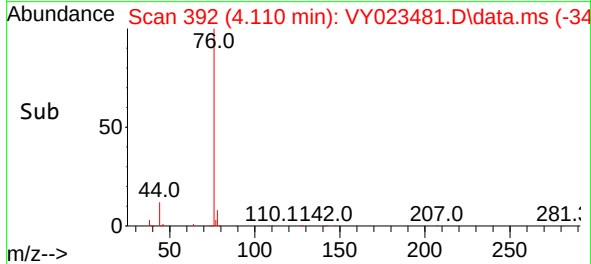
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 662664
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

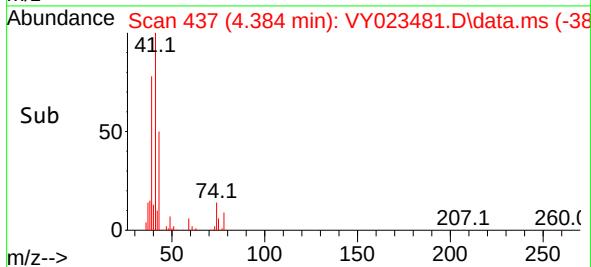
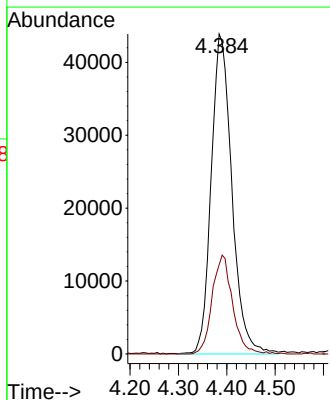
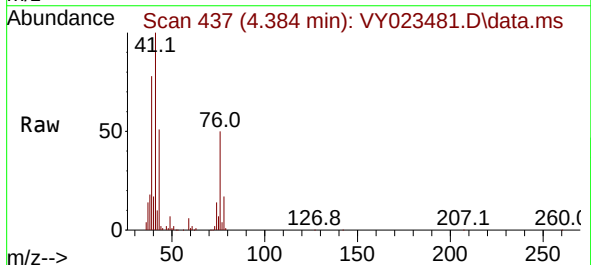
Manual Integrations
APPROVED

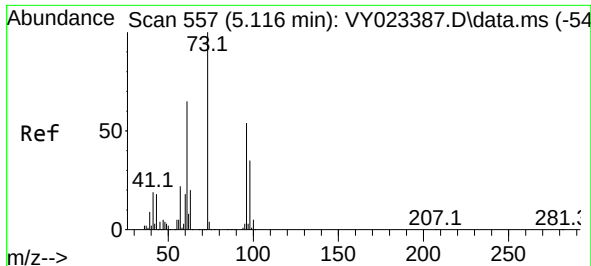
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#18
Methyl Acetate
Concen: 49.583 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

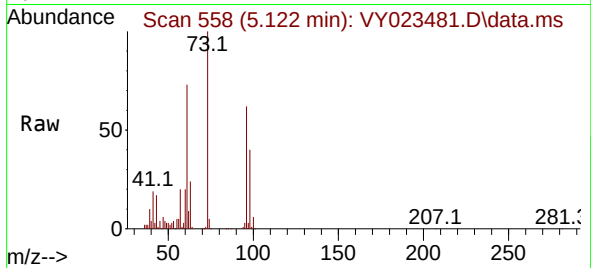
Tgt Ion: 43 Resp: 130552
Ion Ratio Lower Upper
43 100
74 30.3 24.2 36.4





#19
Methyl tert-butyl Ether
Concen: 47.547 ug/l
RT: 5.122 min Scan# 51396
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

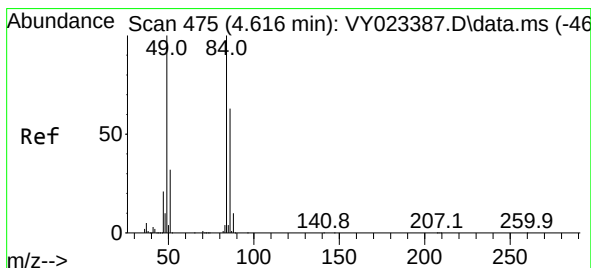
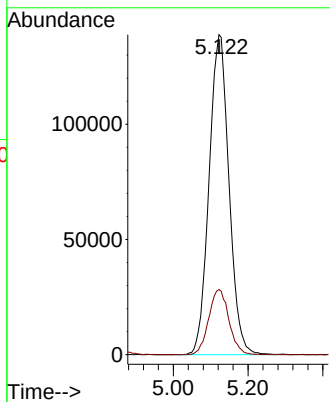
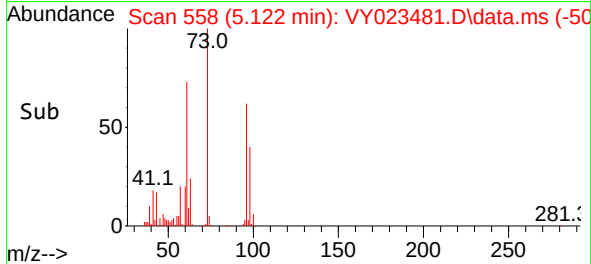
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 73 Resp: 51396
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

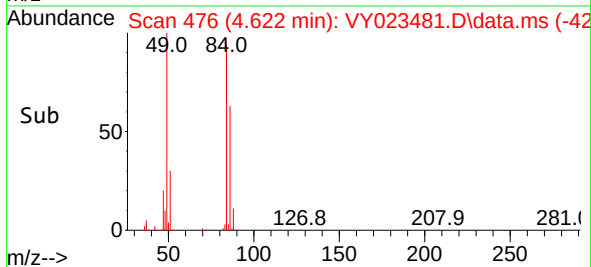
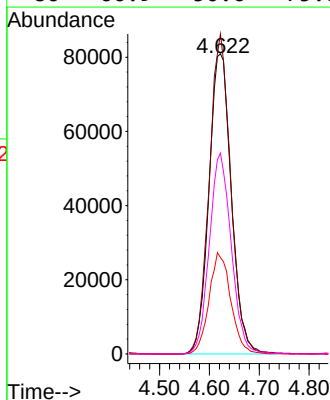
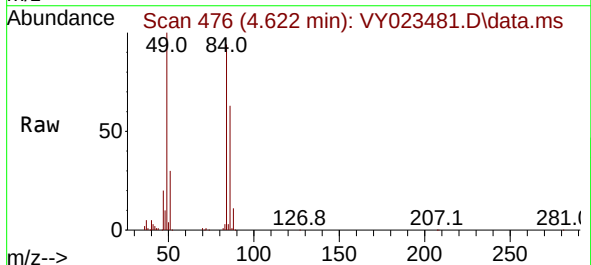
Manual Integrations
APPROVED

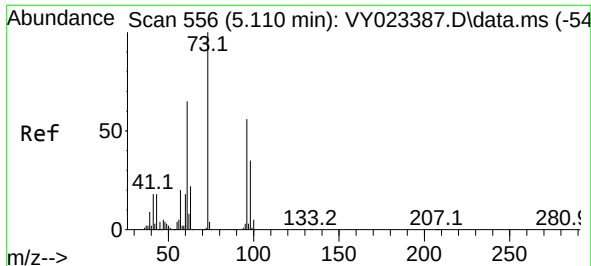
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#20
Methylene Chloride
Concen: 46.562 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

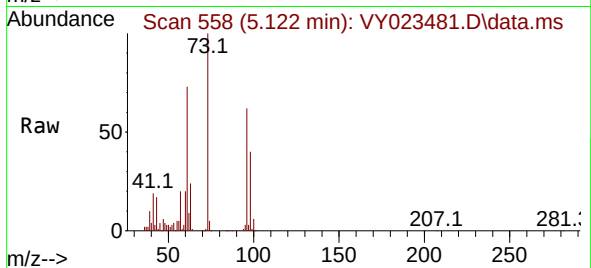
Tgt Ion: 84 Resp: 252722
Ion Ratio Lower Upper
84 100
49 106.6 80.2 120.4
51 32.1 25.9 38.9
86 66.9 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 52.941 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

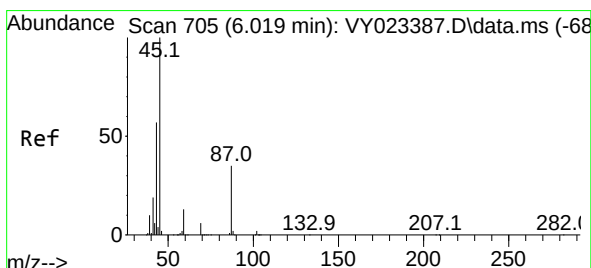
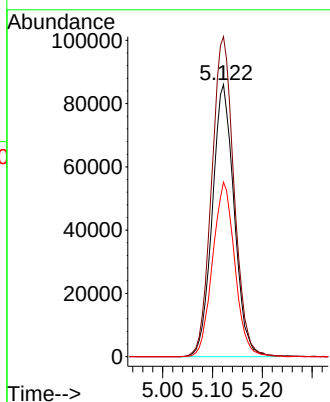
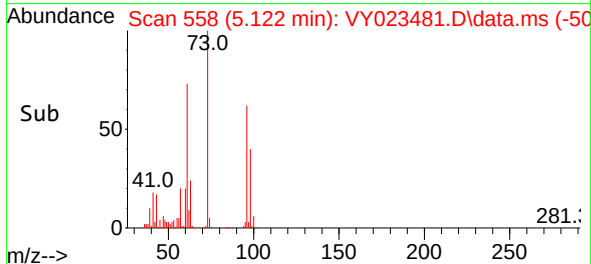
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



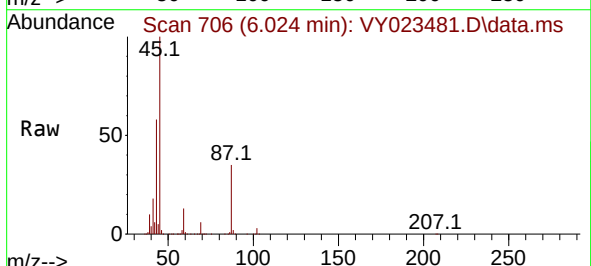
Tgt Ion: 96 Resp: 26214
Ion Ratio Lower Upper
96 100
61 117.6 92.7 139.1
98 64.1 49.7 74.5

Manual Integrations
APPROVED

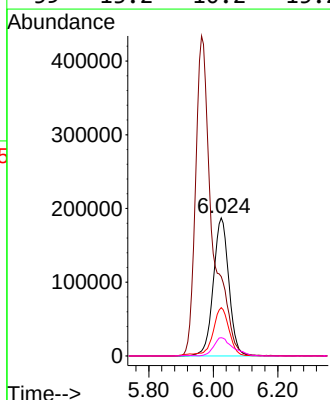
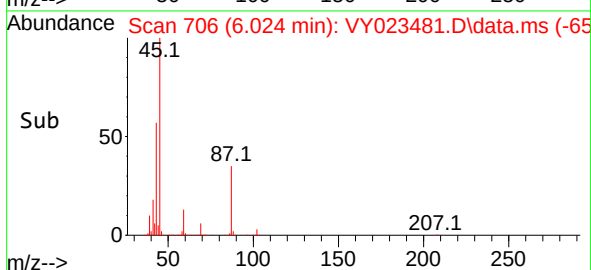
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

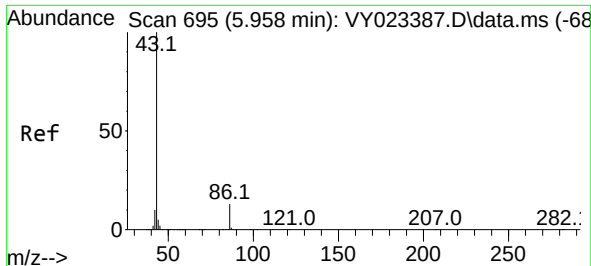


#22
Diisopropyl ether
Concen: 51.581 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



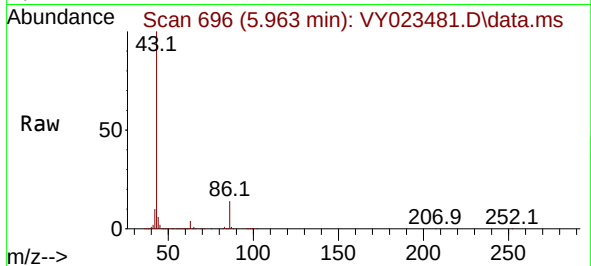
Tgt Ion: 45 Resp: 625388
Ion Ratio Lower Upper
45 100
43 57.4 45.6 68.4
87 35.0 28.1 42.1
59 13.2 10.2 15.2





#23
 Vinyl Acetate
 Concen: 236.589 ug/l
 RT: 5.963 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

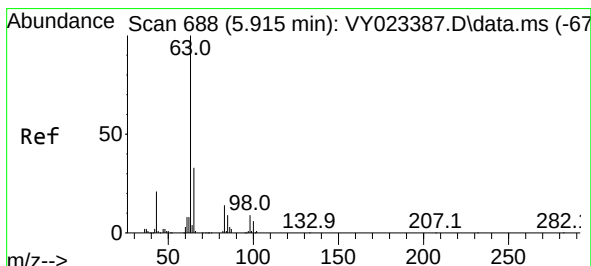
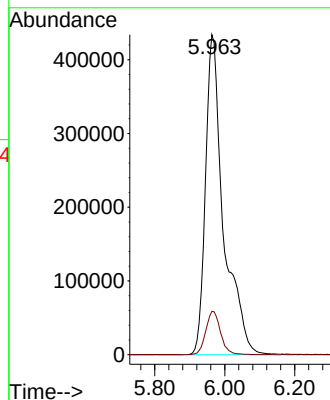
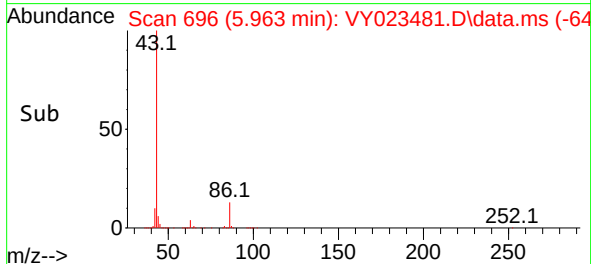
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



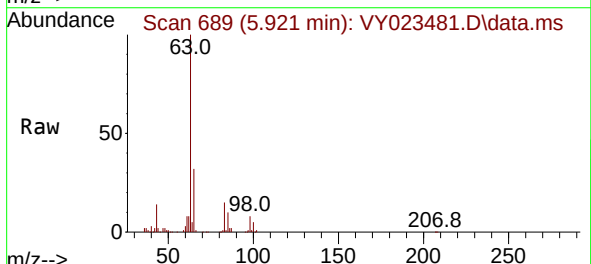
Tgt Ion: 43 Resp: 155265
 Ion Ratio Lower Upper
 43 100
 86 13.6 10.6 15.8

Manual Integrations
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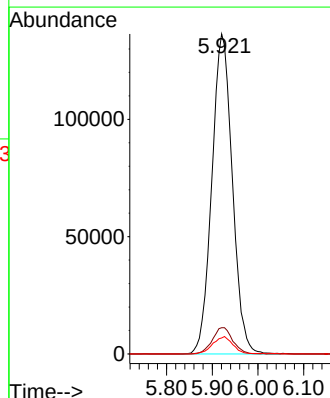
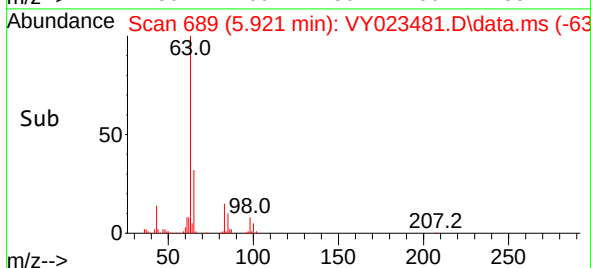
Reviewed By :John Carlone 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

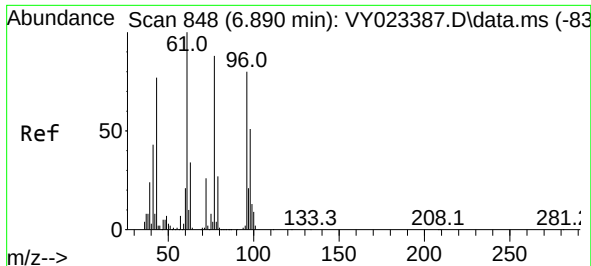


#24
 1,1-Dichloroethane
 Concen: 52.897 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12



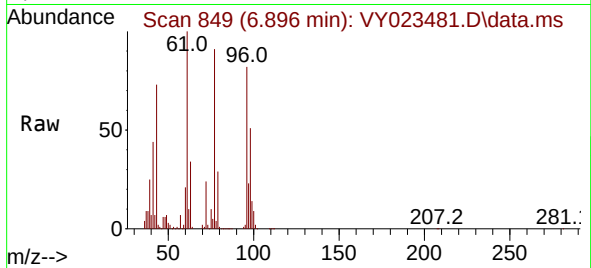
Tgt Ion: 63 Resp: 424830
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.3 13.1
 100 5.0 2.8 8.4





#25
2-Butanone
Concen: 224.795 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

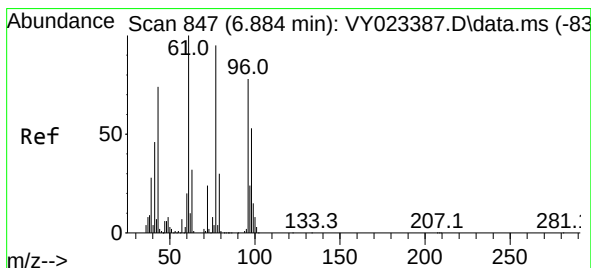
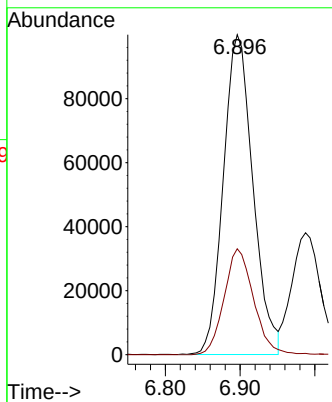
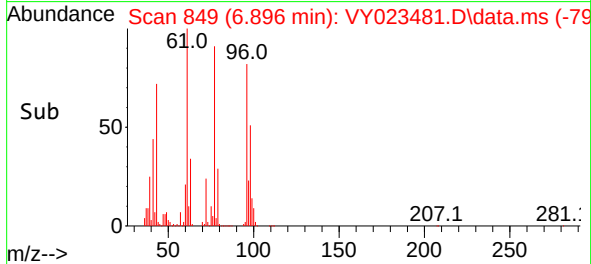
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 27546
Ion Ratio Lower Upper
43 100
72 33.1 27.4 41.2

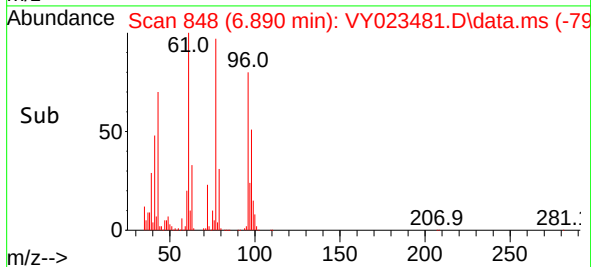
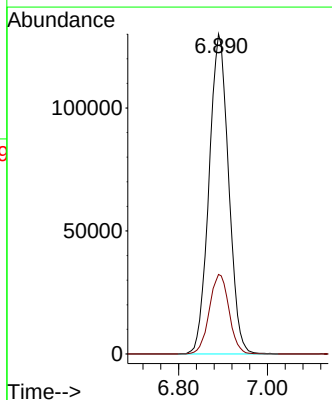
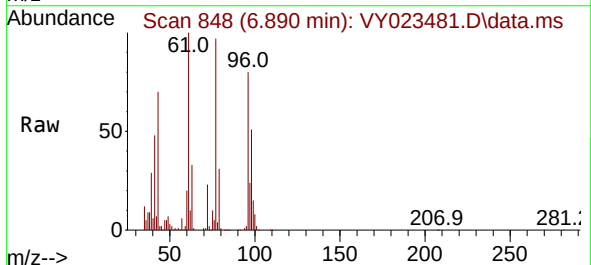
Manual Integrations
APPROVED

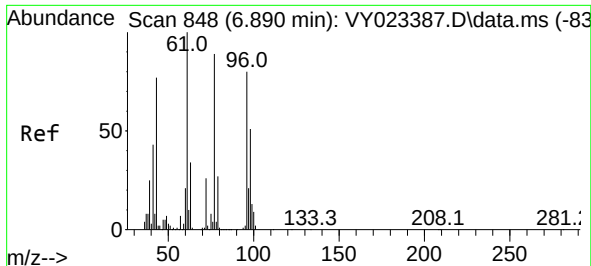
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
2,2-Dichloropropane
Concen: 53.984 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Tgt Ion: 77 Resp: 397829
Ion Ratio Lower Upper
77 100
97 25.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 53.526 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023481.D

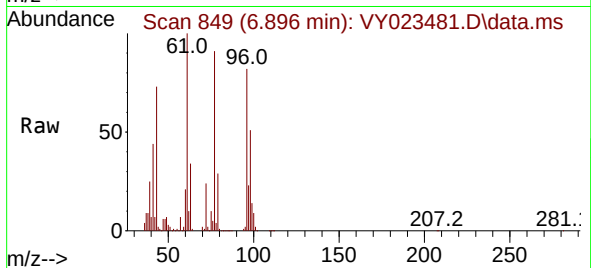
Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 306150

Ion Ratio Lower Upper

96 100

61 125.3 0.0 258.2

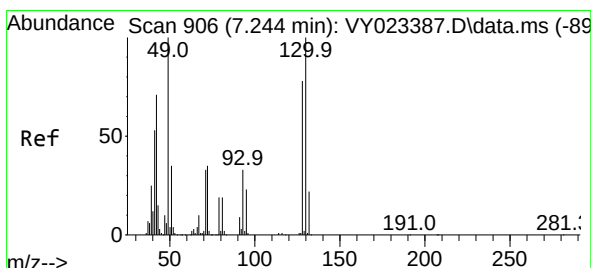
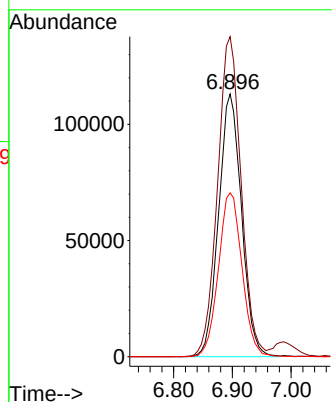
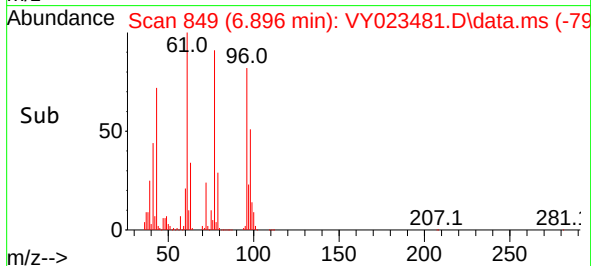
98 64.1 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#28

Bromochloromethane

Concen: 47.026 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

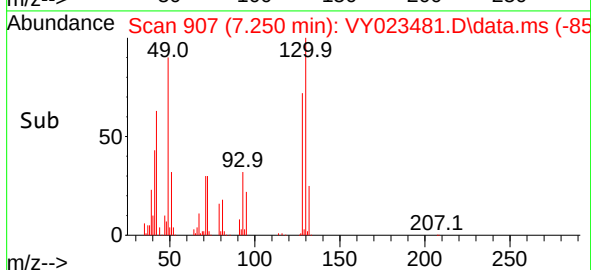
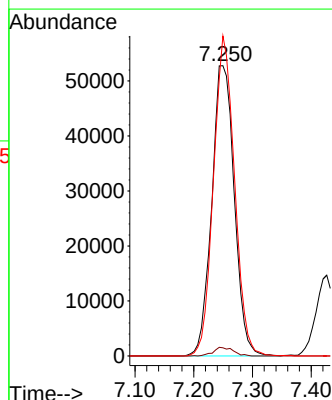
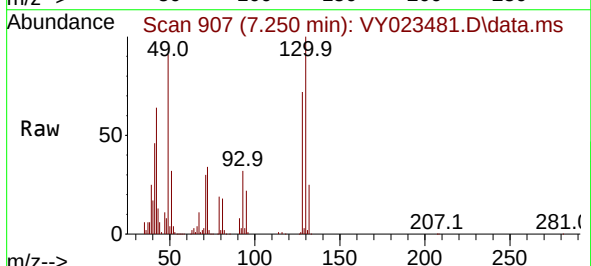
Tgt Ion: 49 Resp: 140992

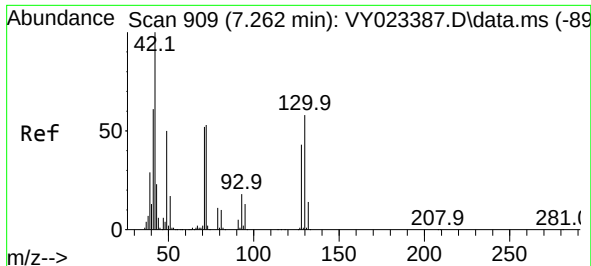
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.6

130 102.9 81.9 122.9





#29

Tetrahydrofuran

Concen: 214.792 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

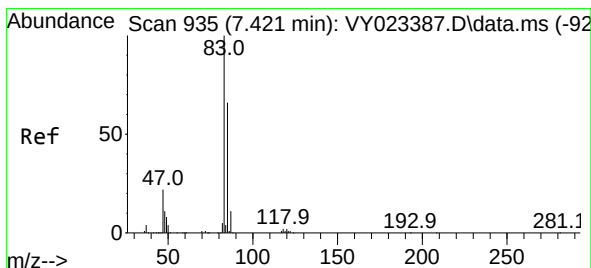
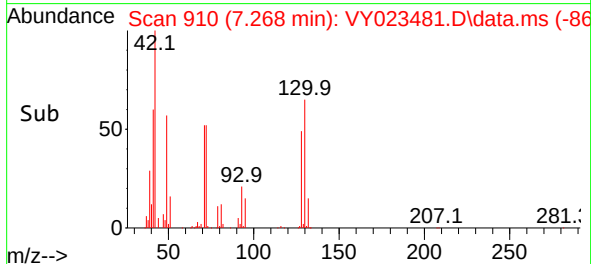
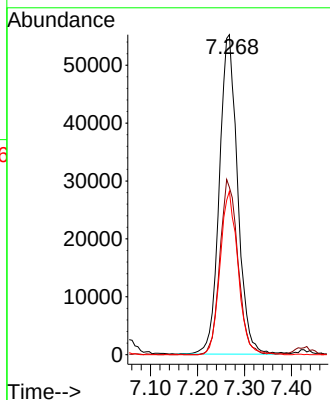
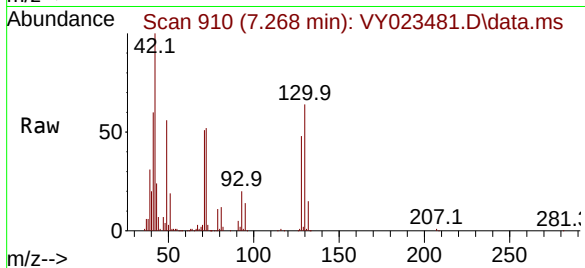
Tgt Ion: 42 Resp: 14925
 Ion Ratio Lower Upper
 42 100
 72 54.2 43.0 64.6
 71 50.3 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#30

Chloroform

Concen: 53.648 ug/l

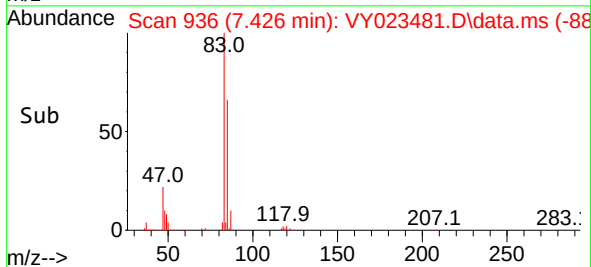
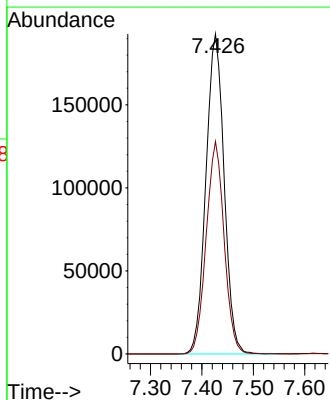
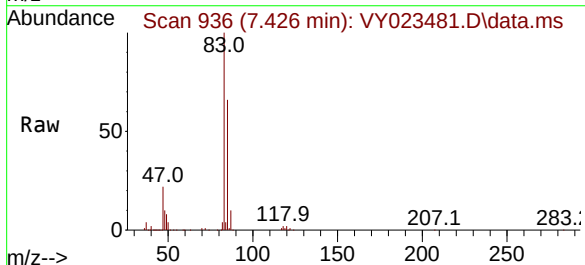
RT: 7.426 min Scan# 936

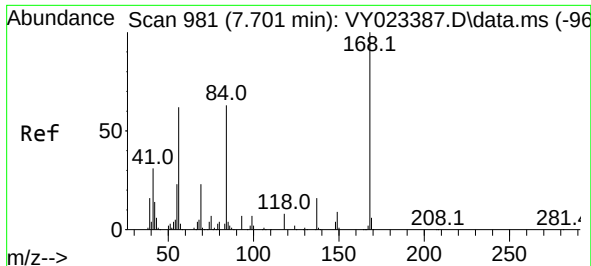
Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

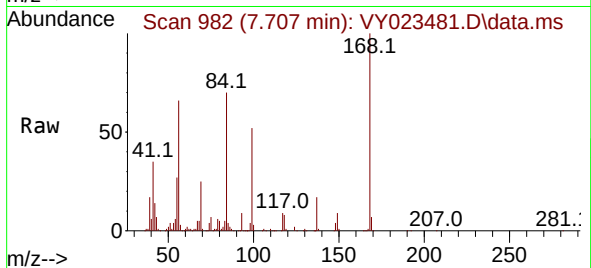
Tgt Ion: 83 Resp: 473385
 Ion Ratio Lower Upper
 83 100
 85 66.4 52.5 78.7





#31
Cyclohexane
Concen: 48.858 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

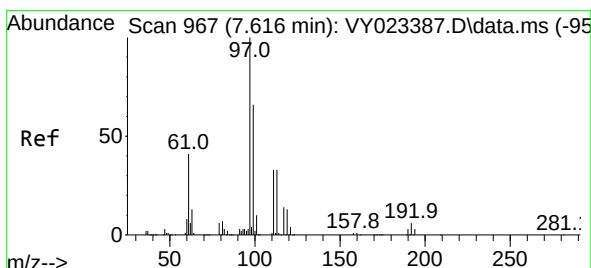
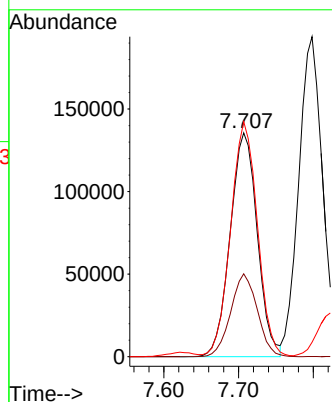
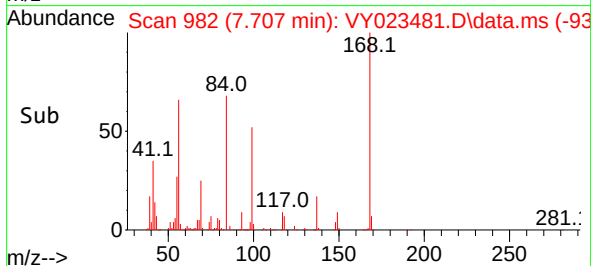
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



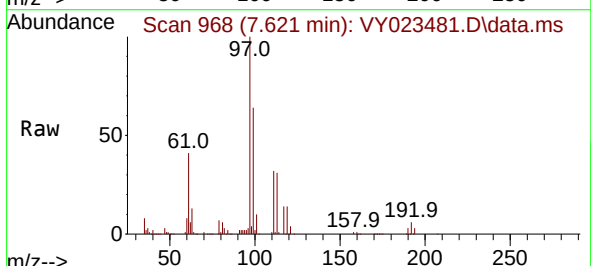
Tgt Ion: 56 Resp: 34267
Ion Ratio Lower Upper
56 100
69 37.0 30.0 45.0
84 103.0 81.2 121.8

Manual Integrations
APPROVED

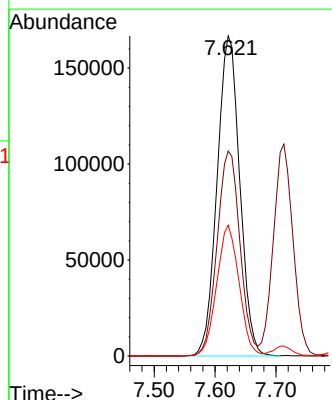
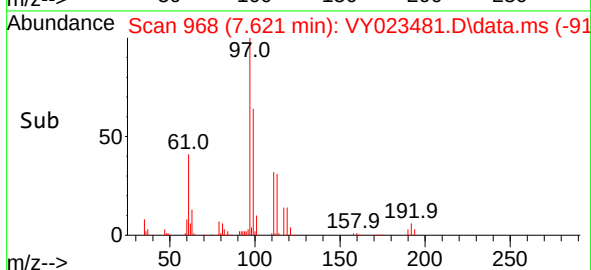
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

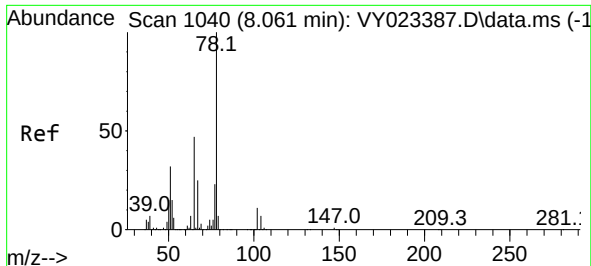


#32
1,1,1-Trichloroethane
Concen: 53.723 ug/l
RT: 7.621 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion: 97 Resp: 430796
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 40.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 46.820 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 19740

Ion Ratio Lower Upper

65 100

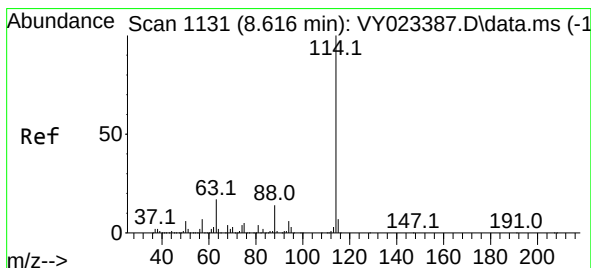
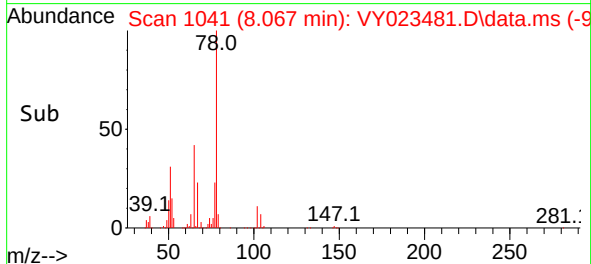
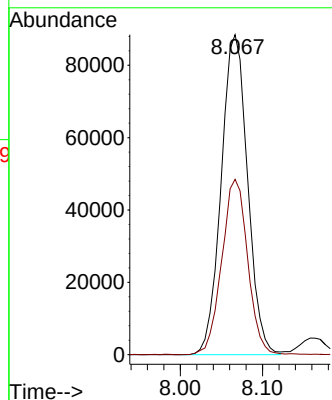
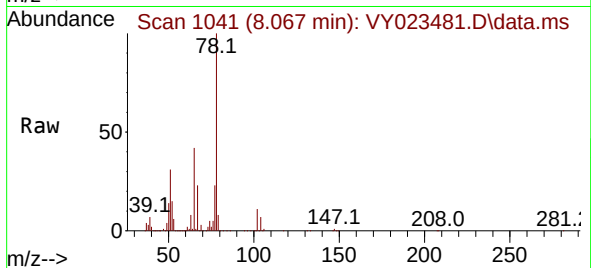
67 53.9 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

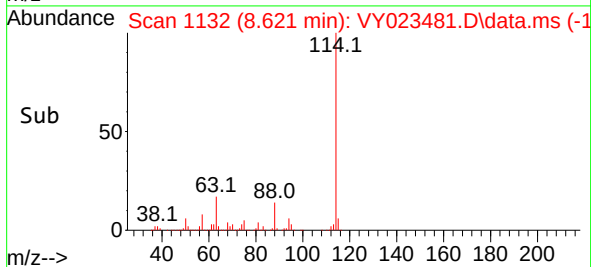
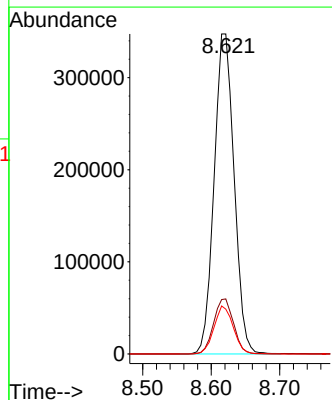
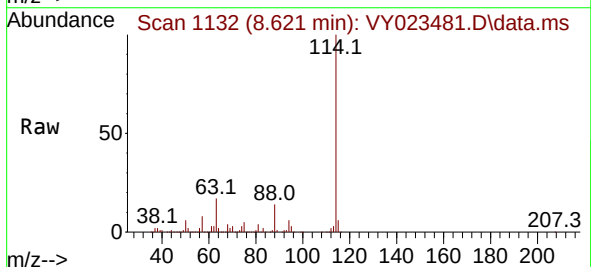
Tgt Ion:114 Resp: 703605

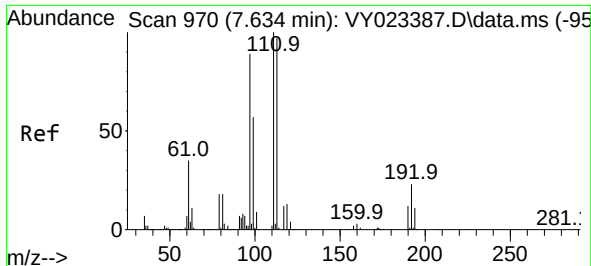
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

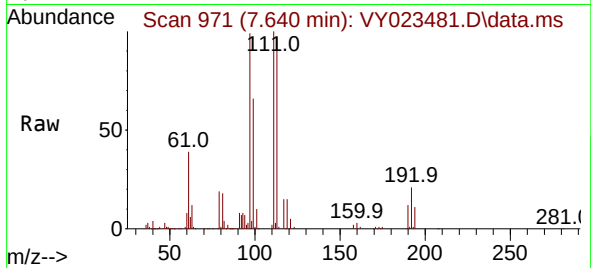
88 14.0 0.0 28.4





#35
Dibromofluoromethane
Concen: 52.819 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

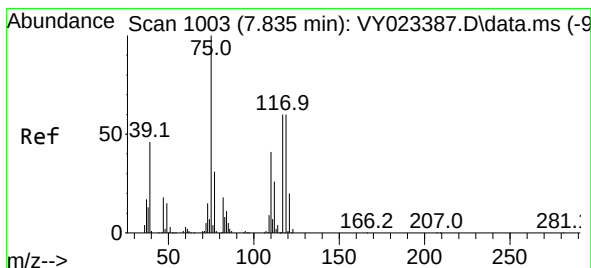
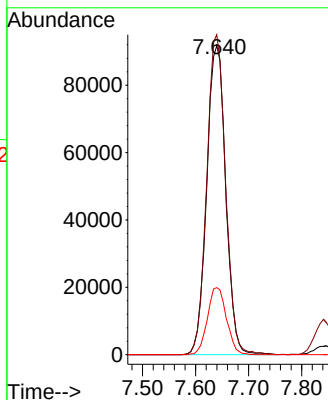
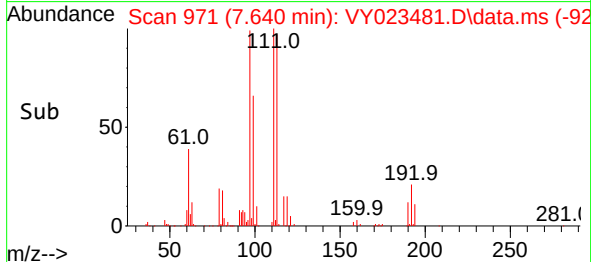
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



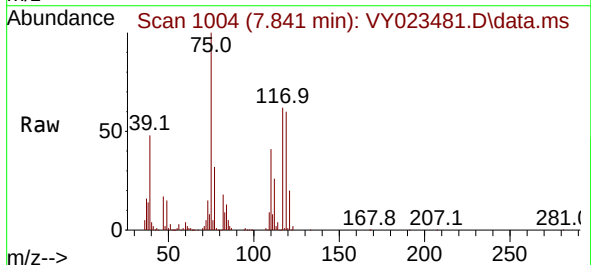
Tgt Ion:113 Resp: 228352
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 21.7 18.0 27.0

Manual Integrations
APPROVED

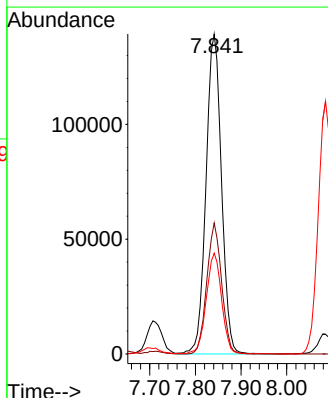
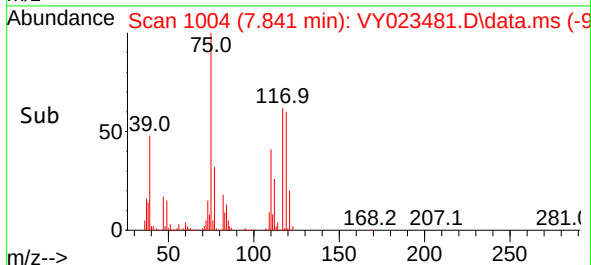
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

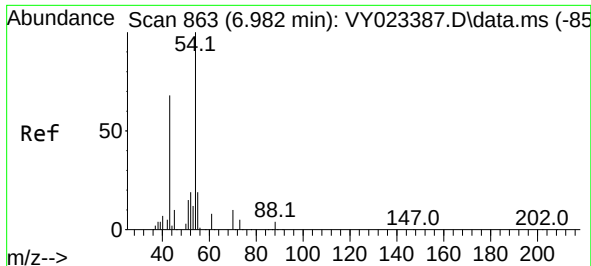


#36
1,1-Dichloropropene
Concen: 57.220 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



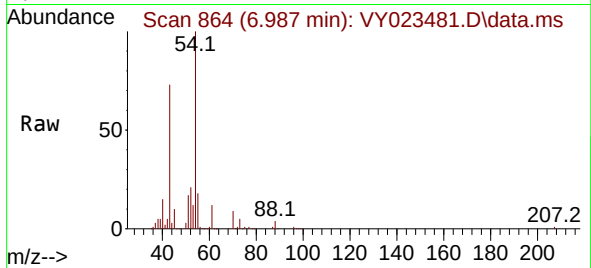
Tgt Ion: 75 Resp: 327508
Ion Ratio Lower Upper
75 100
110 39.3 19.9 59.7
77 31.3 25.0 37.6





#37
Ethyl Acetate
Concen: 46.817 ug/l
RT: 6.987 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

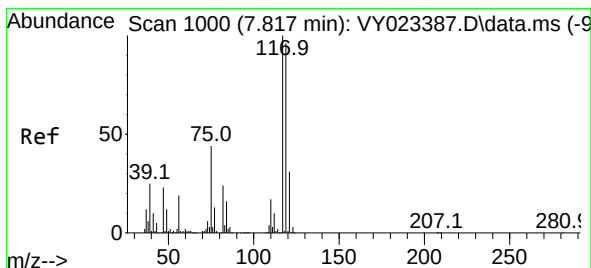
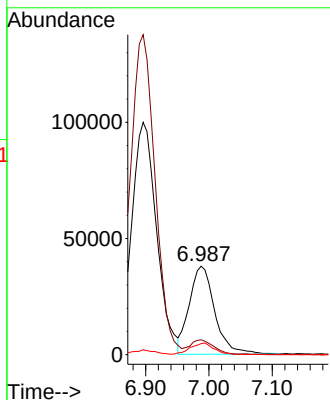
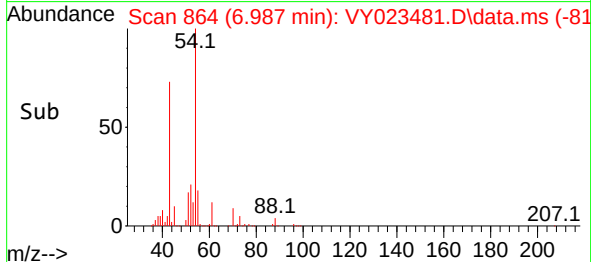
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



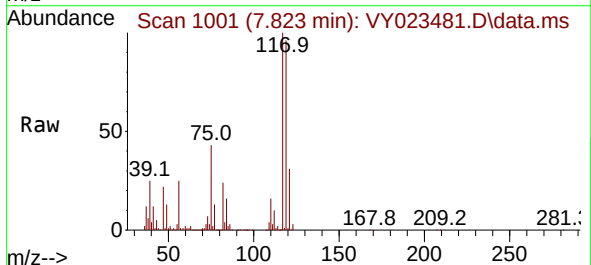
Tgt Ion: 43 Resp: 106159
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 12.3 10.5 15.7

Manual Integrations
APPROVED

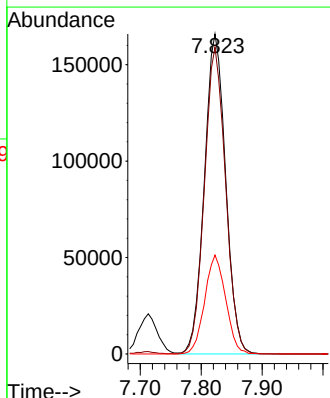
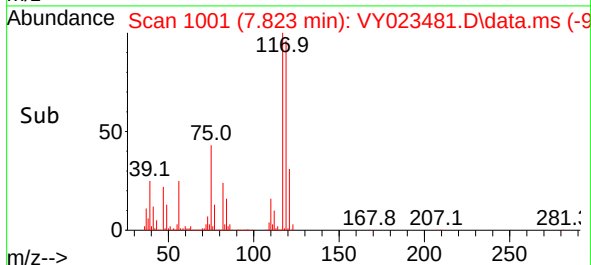
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

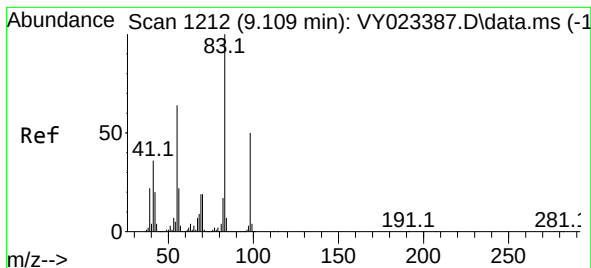


#38
Carbon Tetrachloride
Concen: 58.008 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion:117 Resp: 402588
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2
121 30.9 24.5 36.7





#39

Methylcyclohexane

Concen: 55.679 ug/l

RT: 9.115 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 41493

Ion Ratio Lower Upper

83 100

55 64.3 51.4 77.2

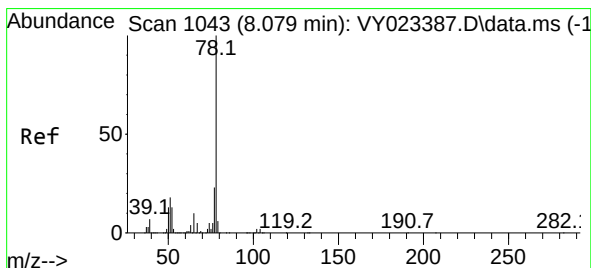
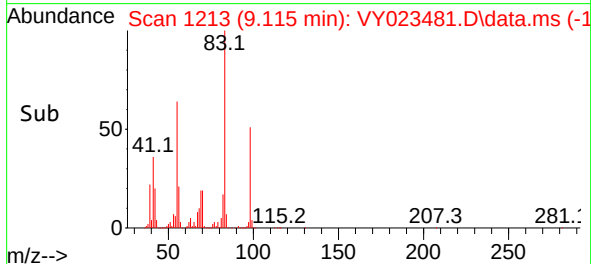
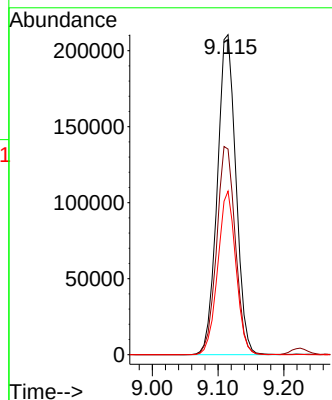
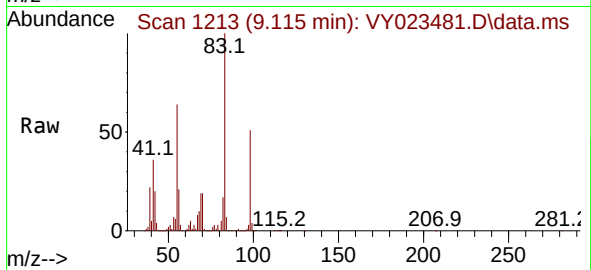
98 51.1 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#40

Benzene

Concen: 56.096 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023481.D

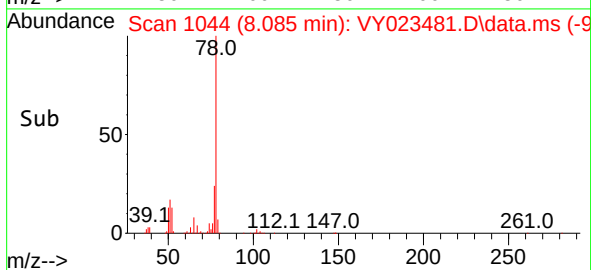
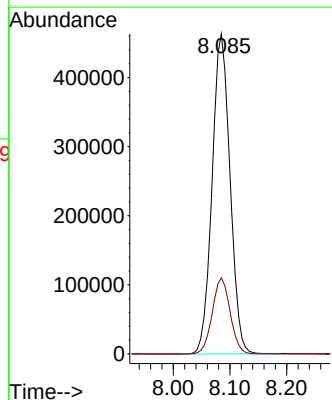
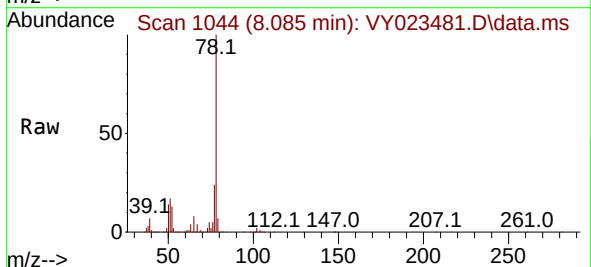
Acq: 16 Oct 2025 09:12

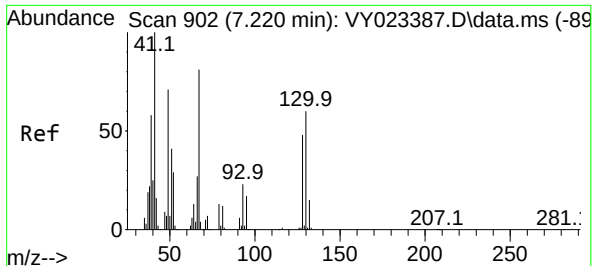
Tgt Ion: 78 Resp: 1016809

Ion Ratio Lower Upper

78 100

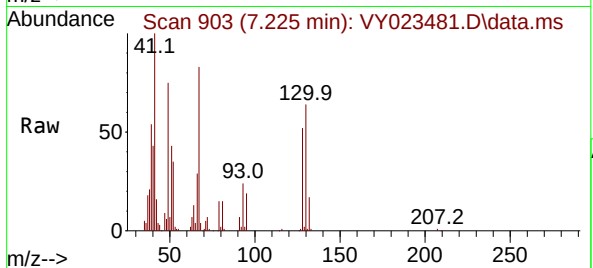
77 23.8 18.3 27.5





#41
Methacrylonitrile
Concen: 53.656 ug/l
RT: 7.225 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

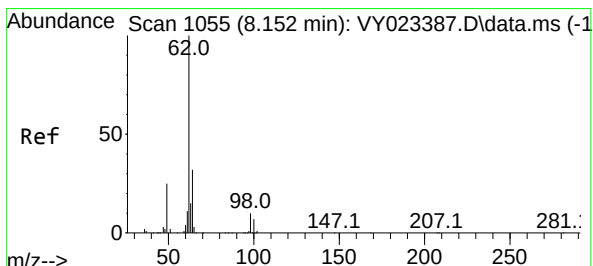
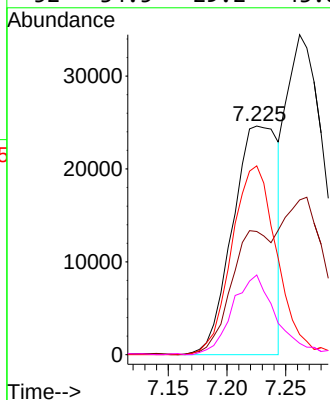
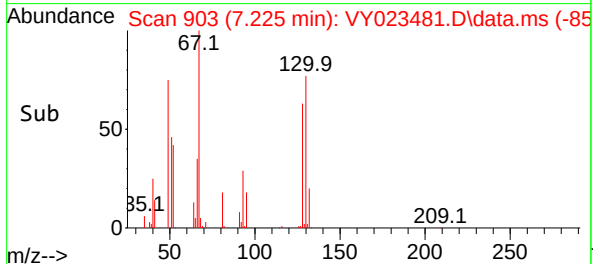
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



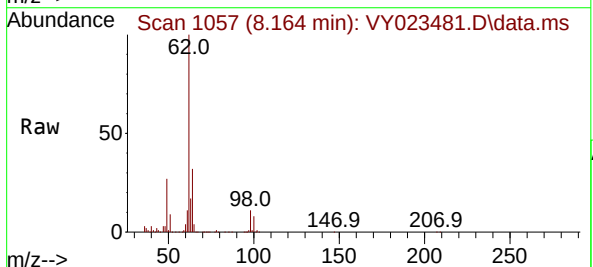
Tgt Ion: 41 Resp: 65800
Ion Ratio Lower Upper
41 100
39 47.7 52.2 78.4
67 83.4 74.9 112.3
52 34.5 29.2 43.8

Manual Integrations
APPROVED

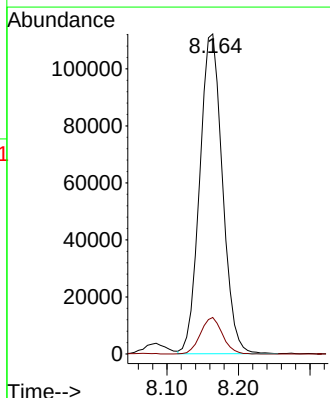
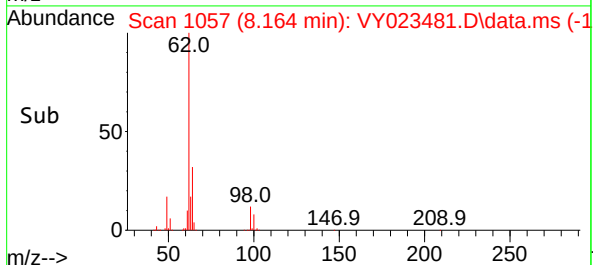
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

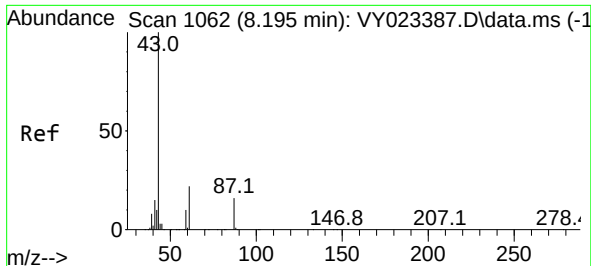


#42
1,2-Dichloroethane
Concen: 53.011 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.012 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



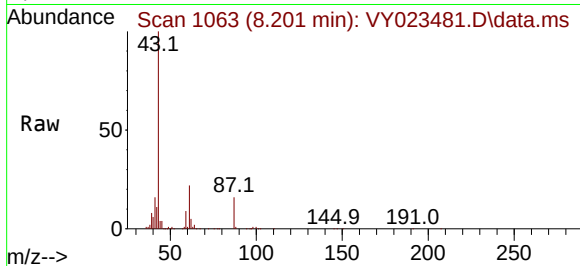
Tgt Ion: 62 Resp: 247813
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.6





#43
Isopropyl Acetate
Concen: 46.223 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

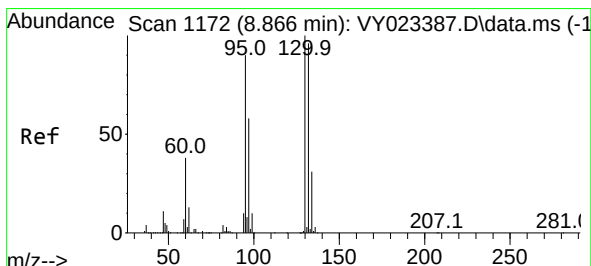
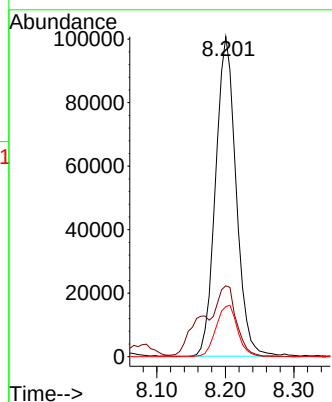
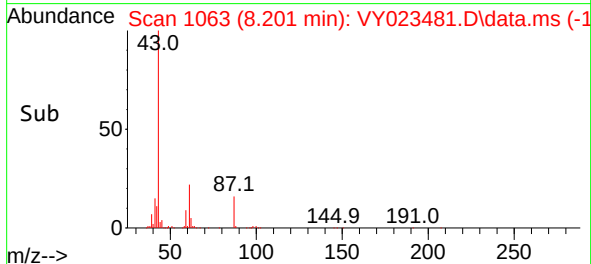
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



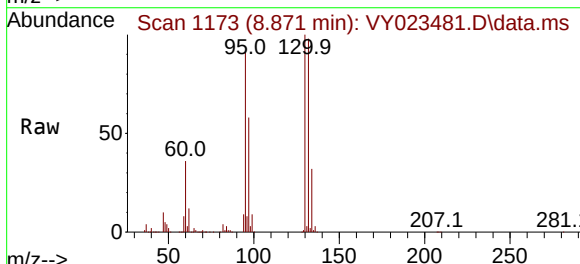
Tgt Ion: 43 Resp: 208990
Ion Ratio Lower Upper
43 100
61 22.6 18.1 27.1
87 16.9 13.5 20.3

Manual Integrations
APPROVED

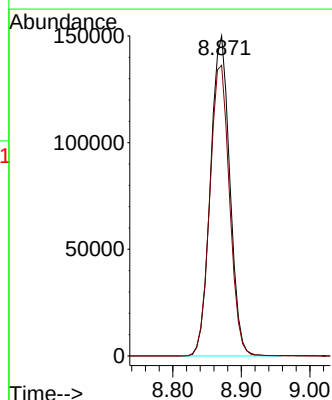
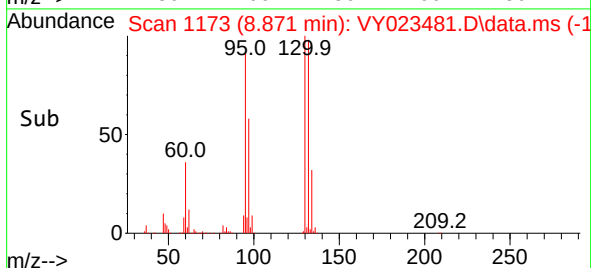
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

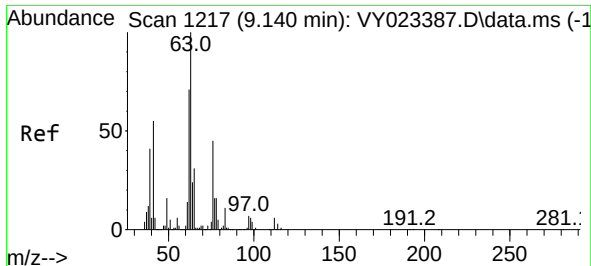


#44
Trichloroethene
Concen: 55.287 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion:130 Resp: 293318
Ion Ratio Lower Upper
130 100
95 90.9 0.0 180.6





#45

1,2-Dichloropropane

Concen: 55.480 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 222124

Ion Ratio Lower Upper

63 100

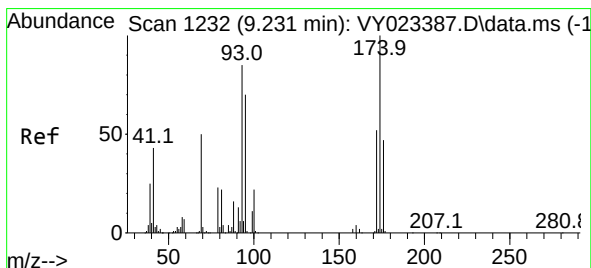
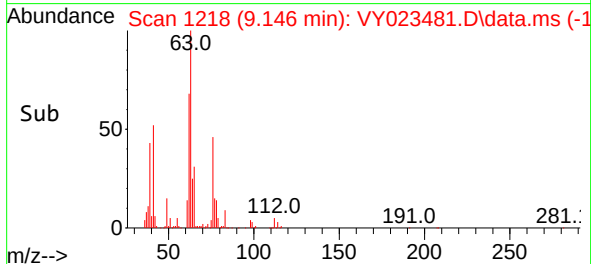
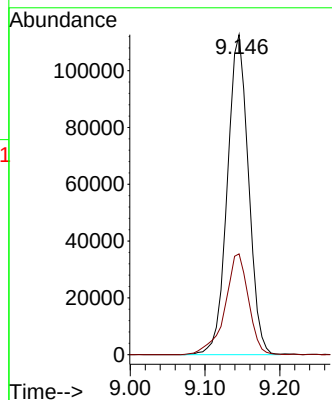
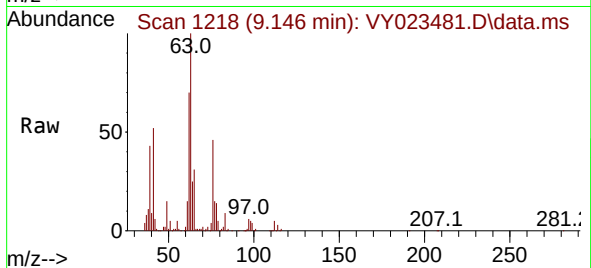
65 31.5 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#46

Dibromomethane

Concen: 54.757 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

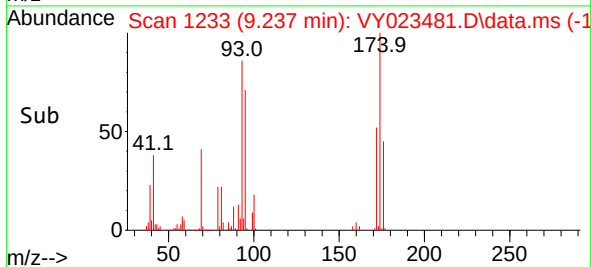
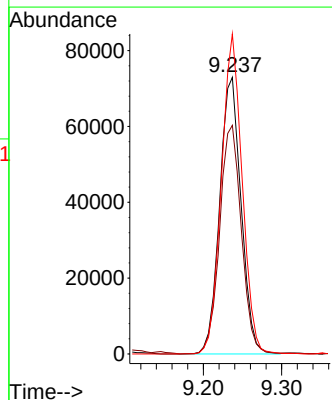
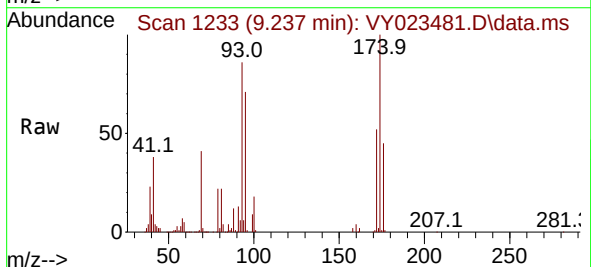
Tgt Ion: 93 Resp: 138624

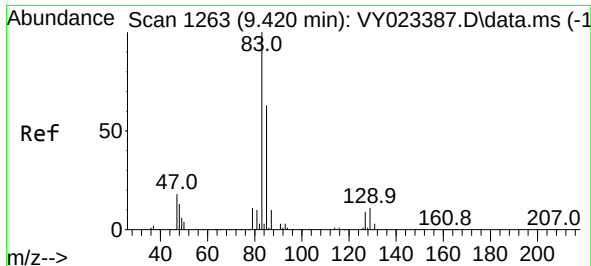
Ion Ratio Lower Upper

93 100

95 83.5 65.4 98.0

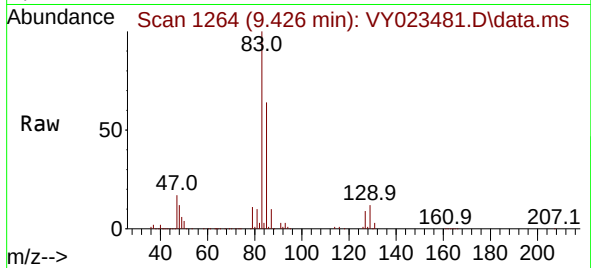
174 112.3 92.9 139.3





#47
Bromodichloromethane
Concen: 56.136 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

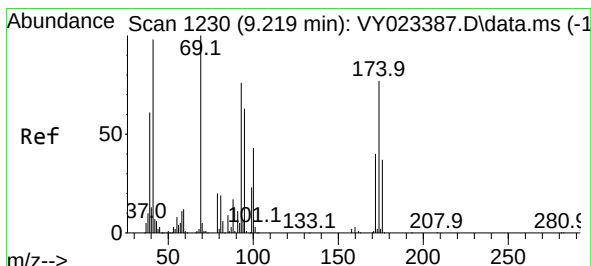
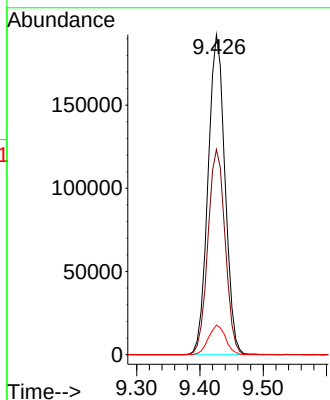
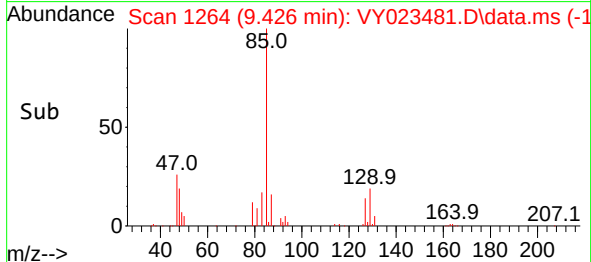
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 357924
Ion Ratio Lower Upper
83 100
85 64.2 50.8 76.2
127 9.2 7.4 11.2

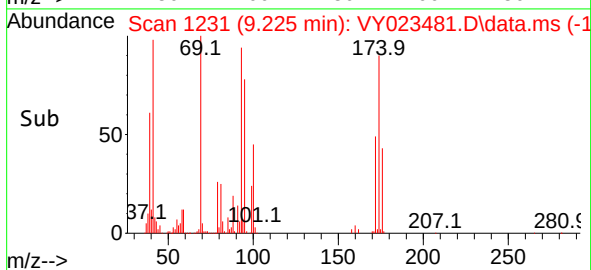
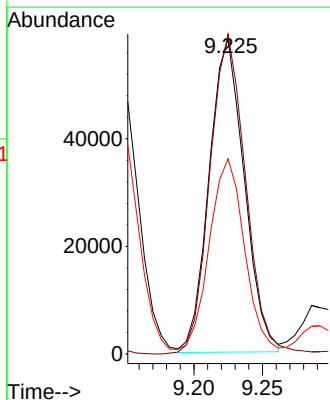
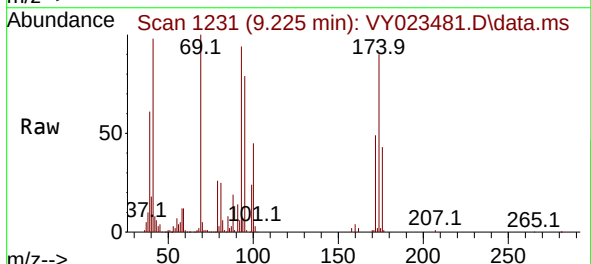
Manual Integrations
APPROVED

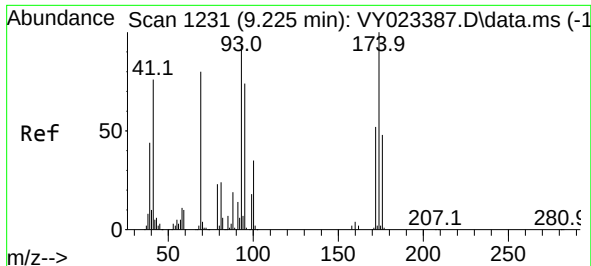
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#48
Methyl methacrylate
Concen: 48.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

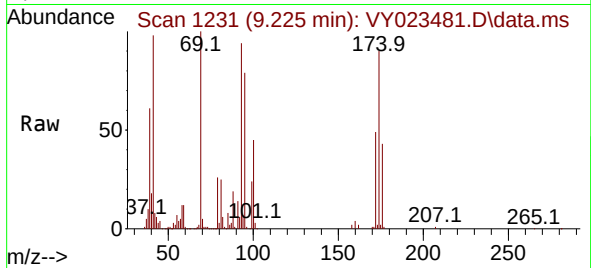
Tgt Ion: 41 Resp: 103819
Ion Ratio Lower Upper
41 100
69 104.3 81.0 121.4
39 59.9 48.2 72.4





#49
1,4-Dioxane
Concen: 909.671 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

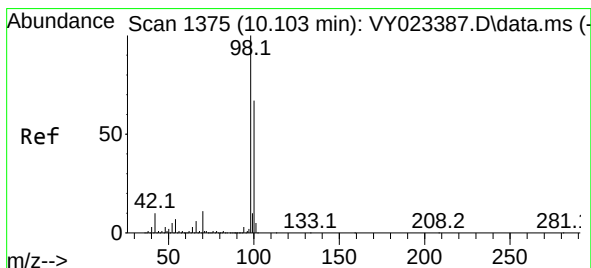
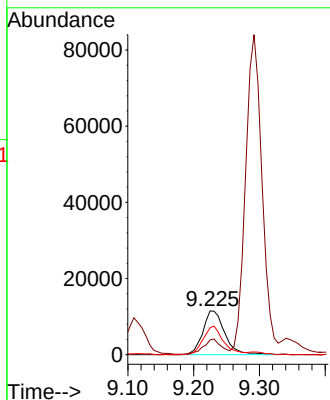
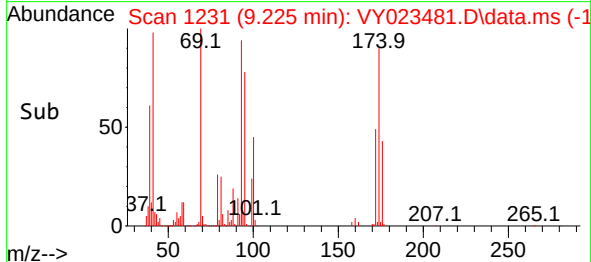
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 88 Resp: 2670
Ion Ratio Lower Upper
88 100
43 27.6 21.8 32.8
58 60.2 46.8 70.2

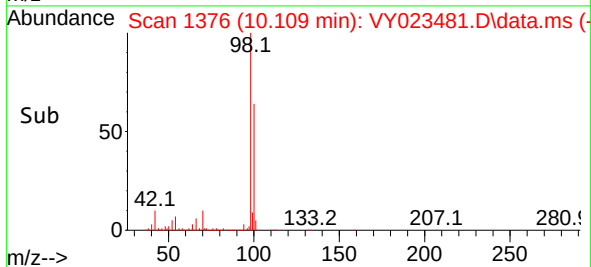
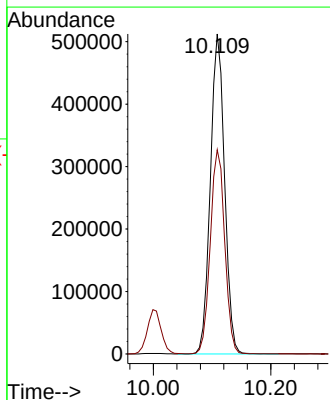
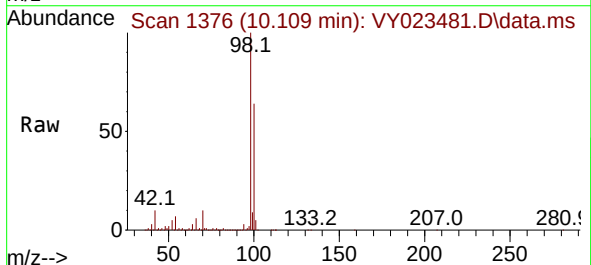
Manual Integrations
APPROVED

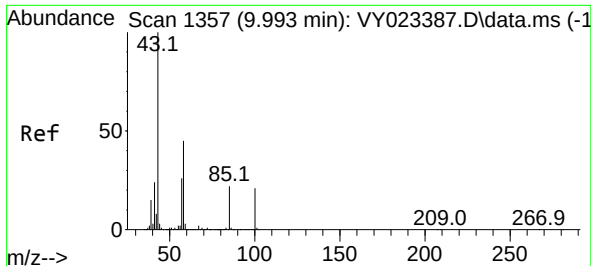
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#50
Toluene-d8
Concen: 53.309 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Tgt Ion: 98 Resp: 858304
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4





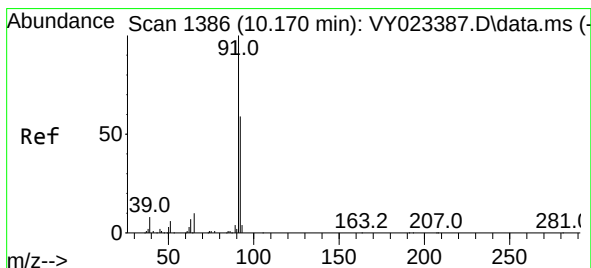
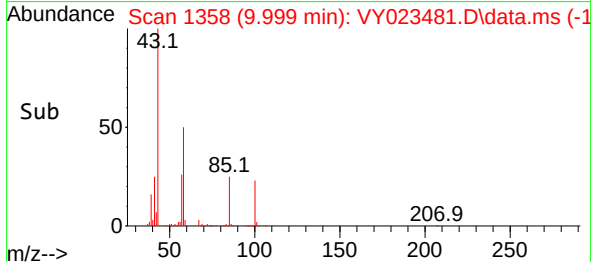
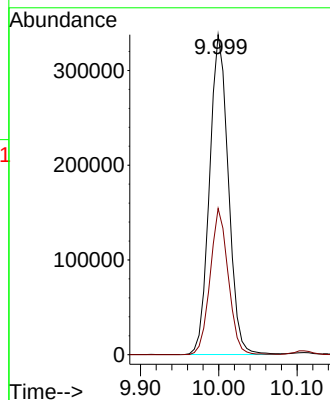
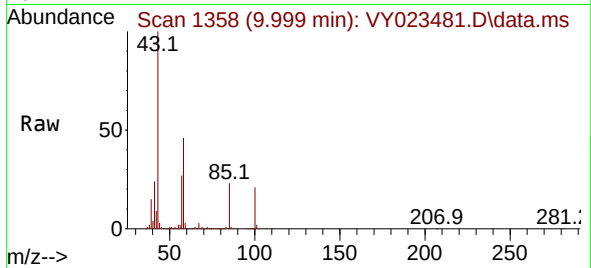
#51
4-Methyl-2-Pentanone
Concen: 241.527 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 564235
Ion Ratio Lower Upper
43 100
58 43.9 35.3 52.9

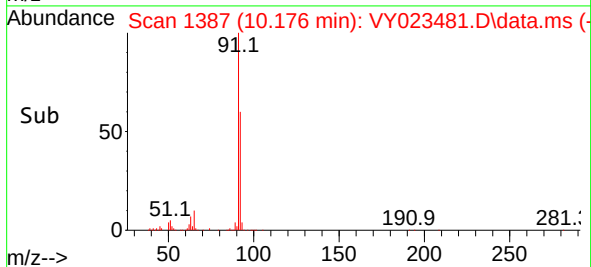
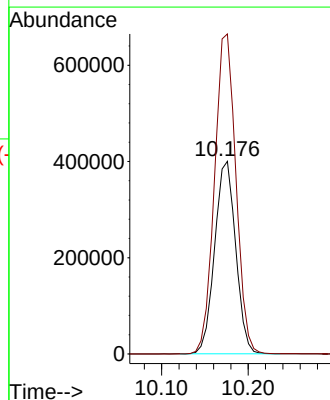
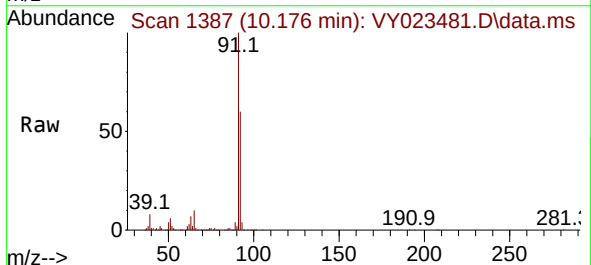
Manual Integrations
APPROVED

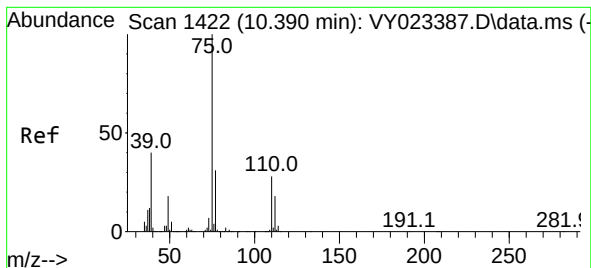
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#52
Toluene
Concen: 57.323 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Tgt Ion: 92 Resp: 674636
Ion Ratio Lower Upper
92 100
91 169.4 136.4 204.6





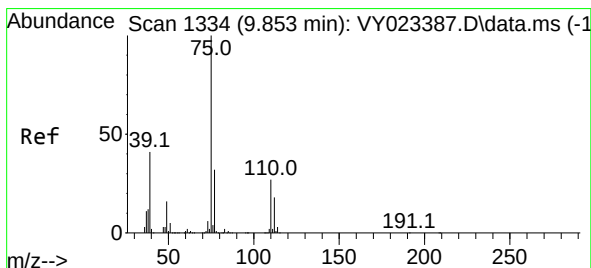
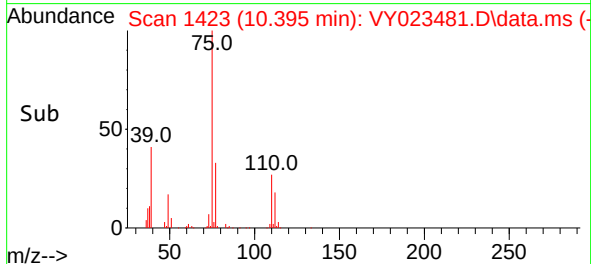
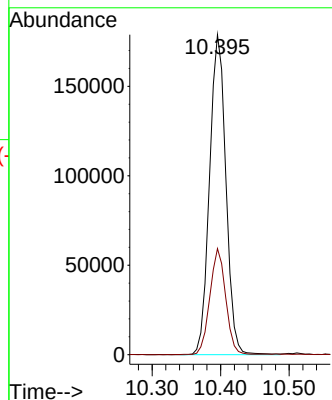
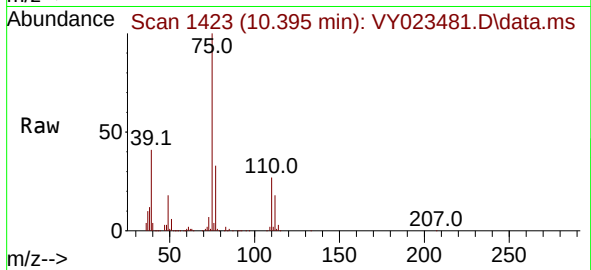
#53
t-1,3-Dichloropropene
Concen: 53.602 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 297170
Ion Ratio Lower Upper
75 100
77 33.1 25.1 37.7

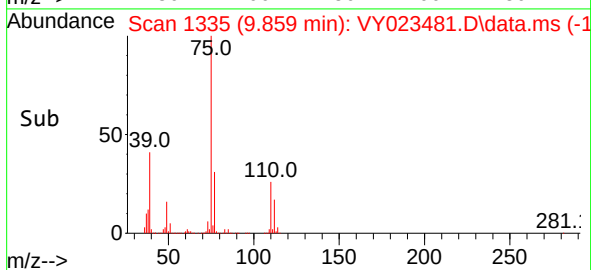
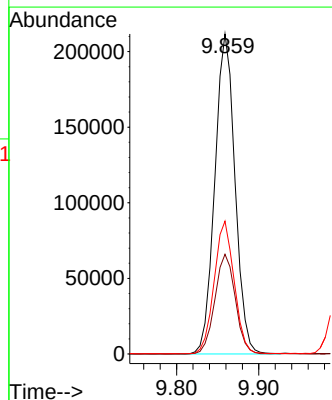
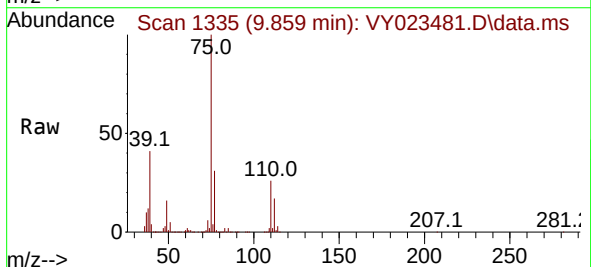
Manual Integrations
APPROVED

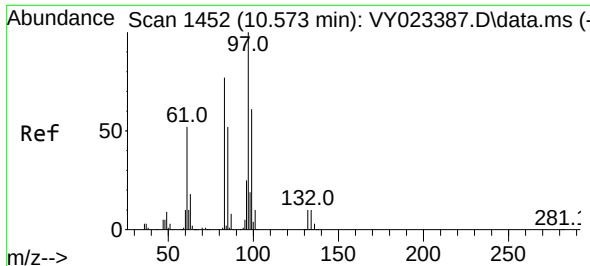
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#54
cis-1,3-Dichloropropene
Concen: 55.208 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

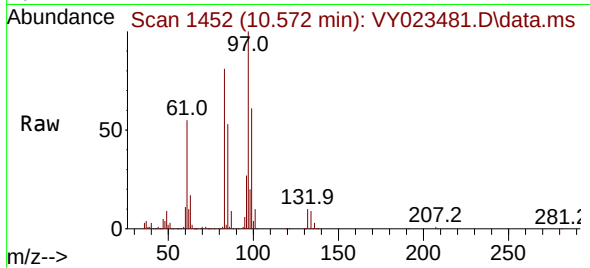
Tgt Ion: 75 Resp: 361241
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 41.4 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 53.198 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

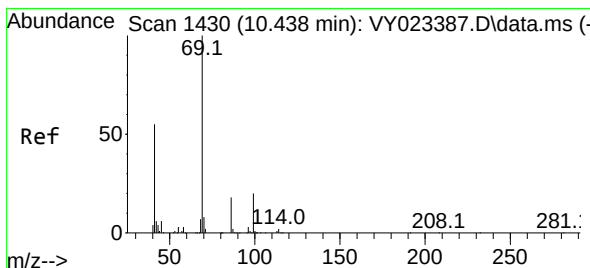
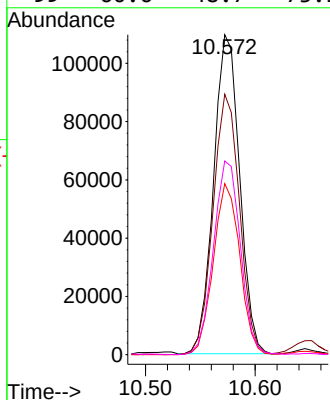
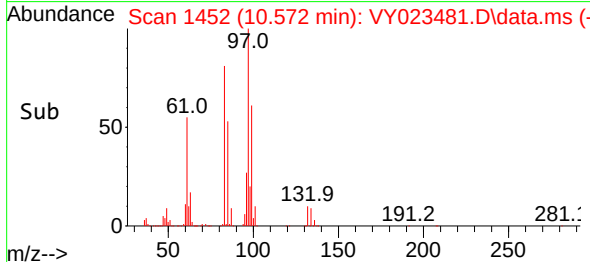
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



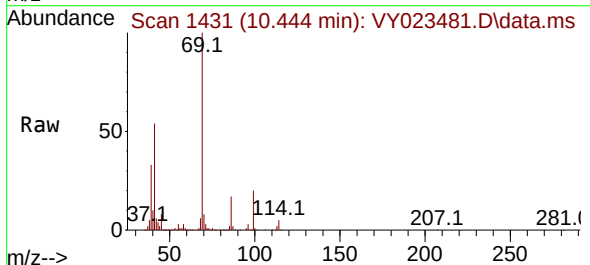
Tgt Ion: 97 Resp: 181108
Ion Ratio Lower Upper
97 100
83 81.6 61.8 92.6
85 53.6 41.3 61.9
99 60.6 48.7 73.1

Manual Integrations
APPROVED

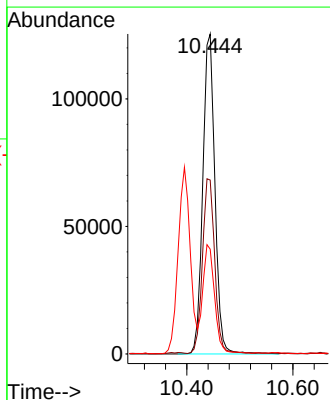
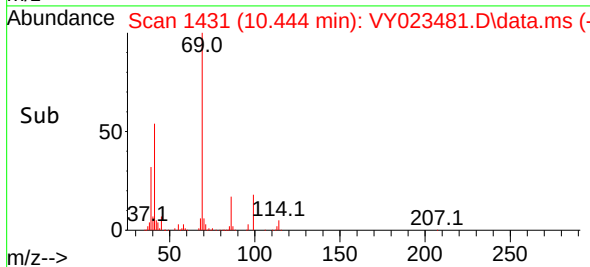
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

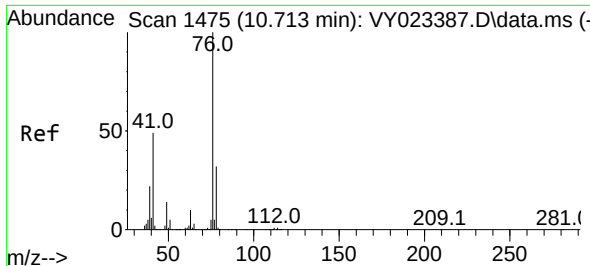


#56
Ethyl methacrylate
Concen: 50.587 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion: 69 Resp: 198657
Ion Ratio Lower Upper
69 100
41 55.3 44.6 67.0
39 33.1 27.0 40.4





#57

1,3-Dichloropropane

Concen: 53.701 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 28970

Ion Ratio Lower Upper

76 100

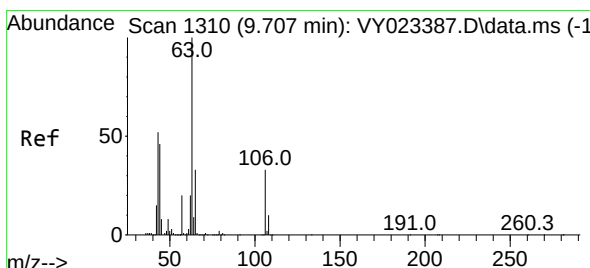
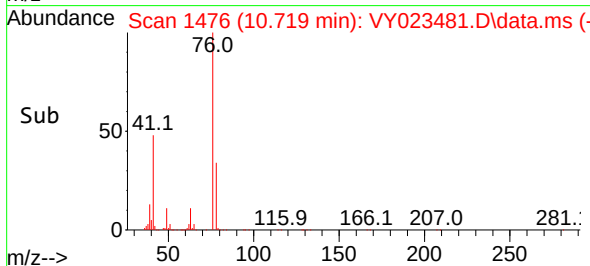
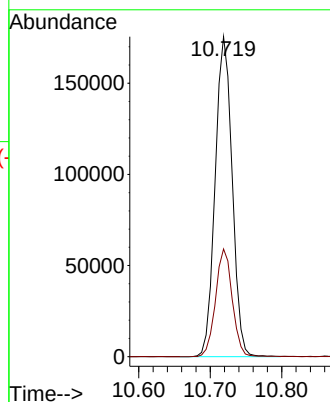
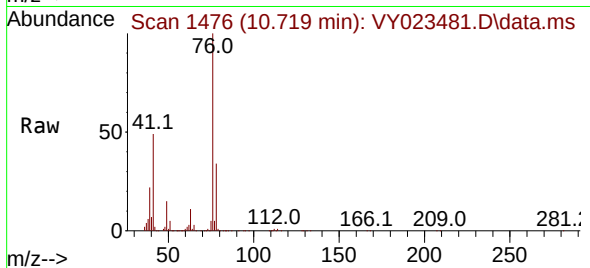
78 33.1 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#58

2-Chloroethyl Vinyl ether

Concen: 257.357 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023481.D

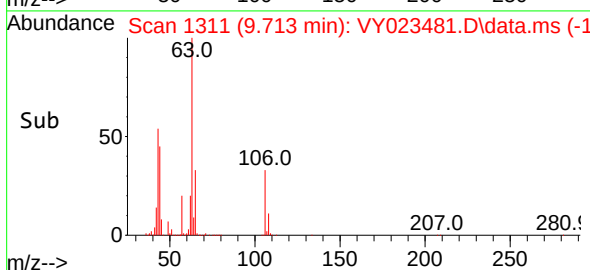
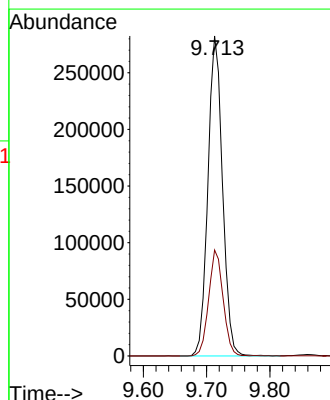
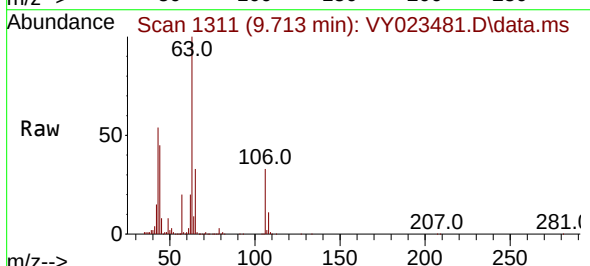
Acq: 16 Oct 2025 09:12

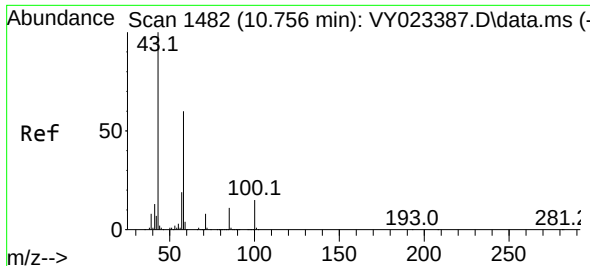
Tgt Ion: 63 Resp: 452744

Ion Ratio Lower Upper

63 100

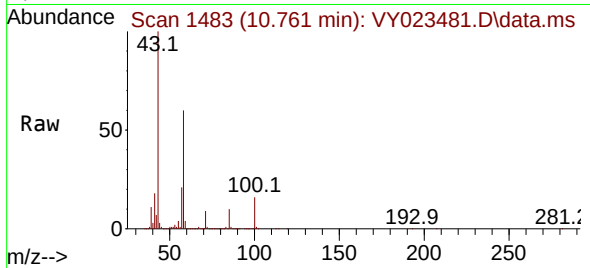
106 32.9 26.6 39.8





#59
2-Hexanone
Concen: 242.583 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

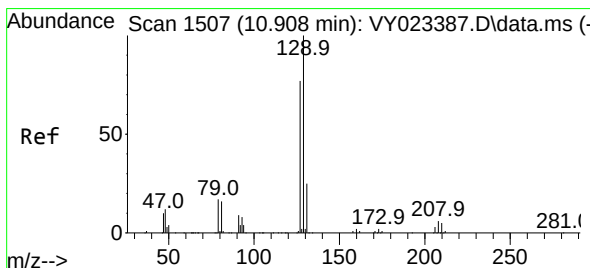
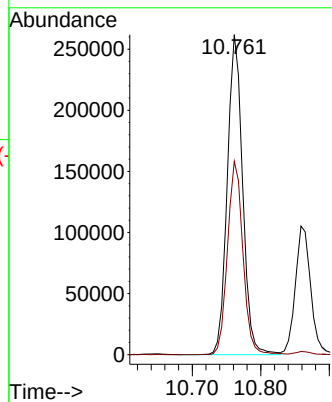
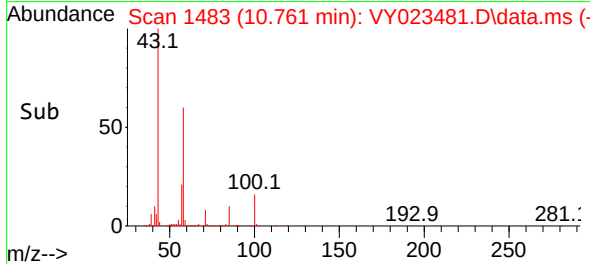
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 40499
Ion Ratio Lower Upper
43 100
58 61.0 30.5 91.5

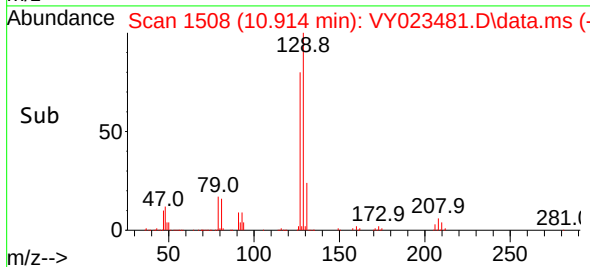
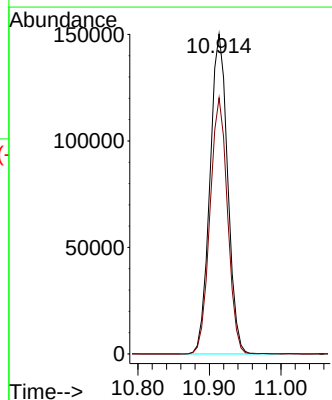
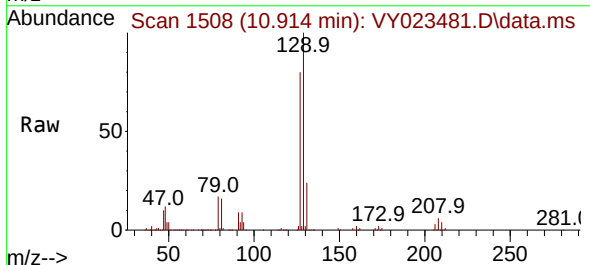
Manual Integrations
APPROVED

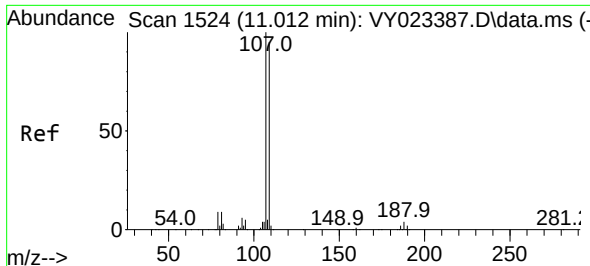
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#60
Dibromochloromethane
Concen: 54.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

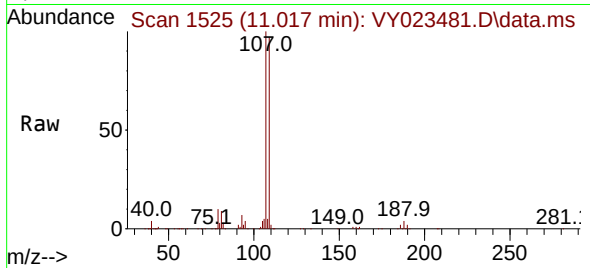
Tgt Ion:129 Resp: 258288
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 53.386 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

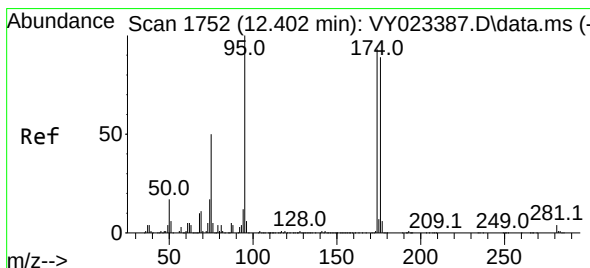
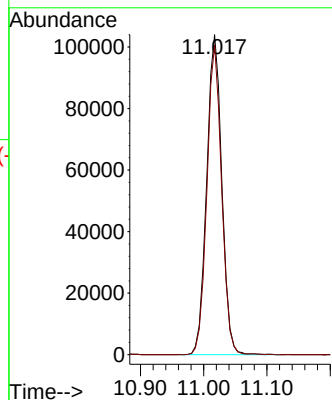
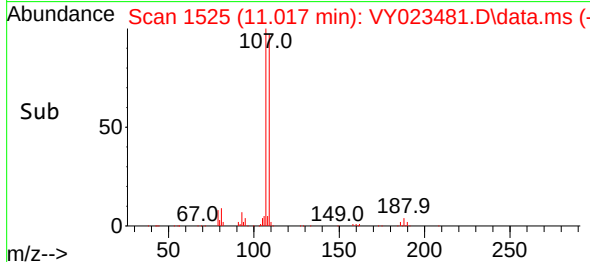
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



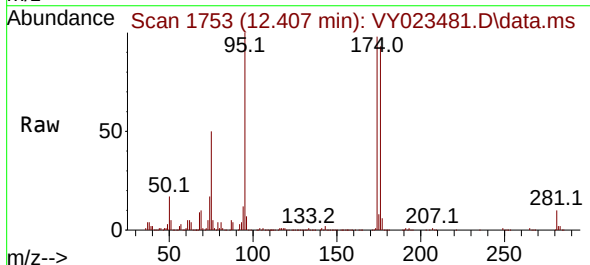
Tgt Ion:107 Resp: 17333
Ion Ratio Lower Upper
107 100
109 93.9 76.1 114.1

Manual Integrations
APPROVED

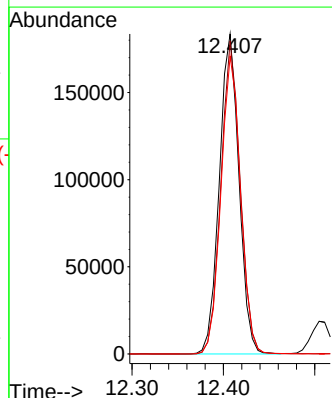
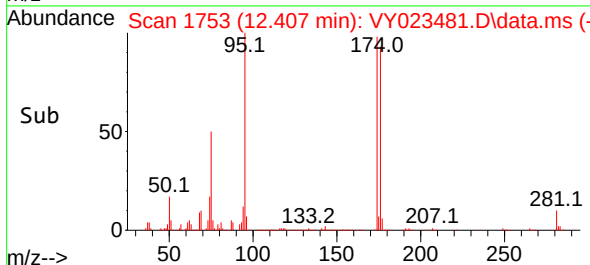
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

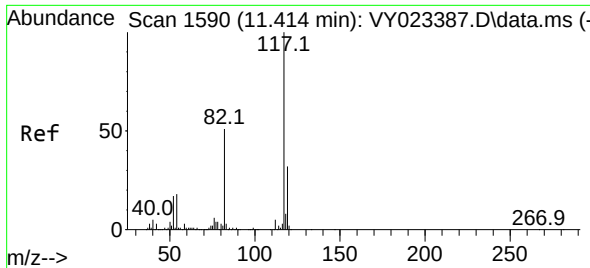


#62
4-Bromofluorobenzene
Concen: 51.622 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



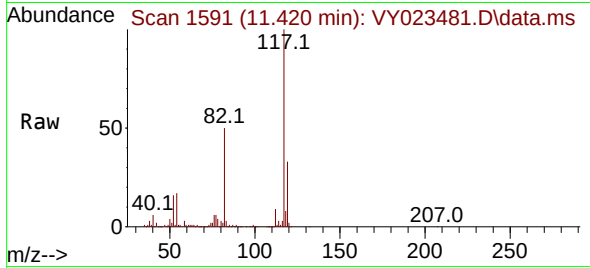
Tgt Ion: 95 Resp: 274401
Ion Ratio Lower Upper
95 100
174 96.3 0.0 192.8
176 93.0 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

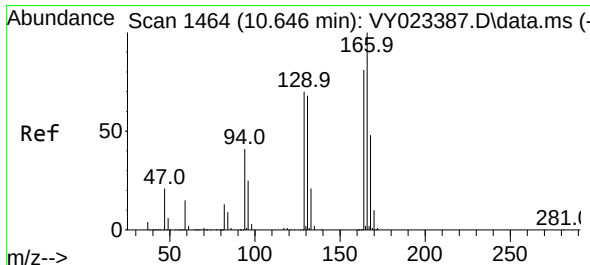
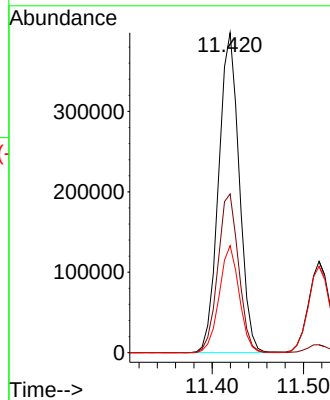
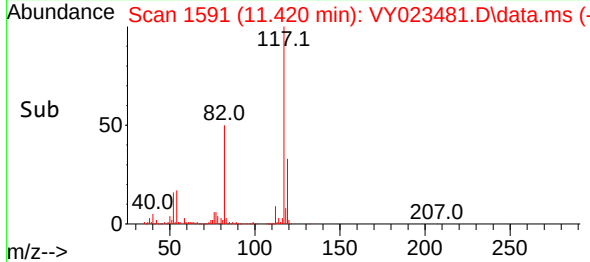
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



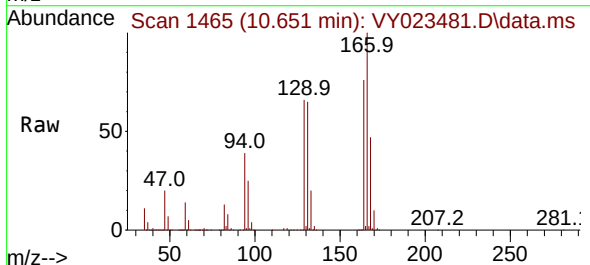
Tgt Ion:117 Resp: 622685
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 33.4 25.6 38.4

Manual Integrations
APPROVED

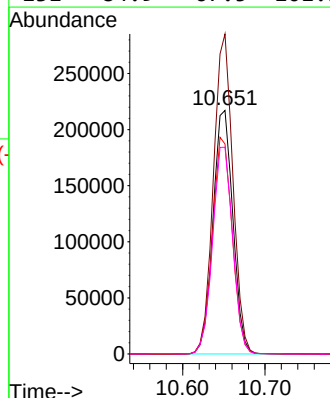
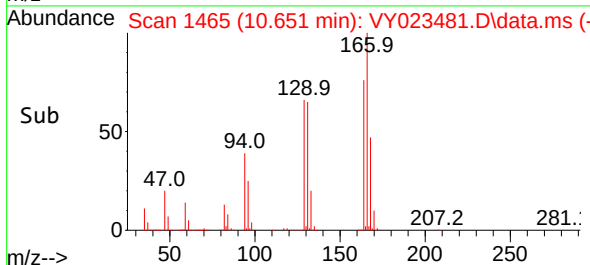
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

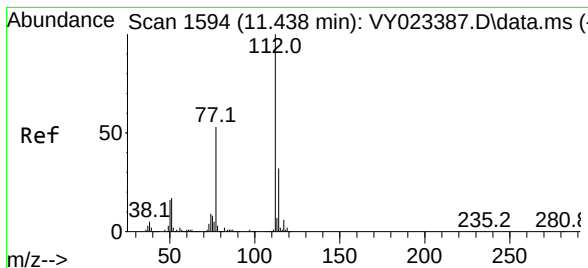


#64
Tetrachloroethene
Concen: 56.818 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



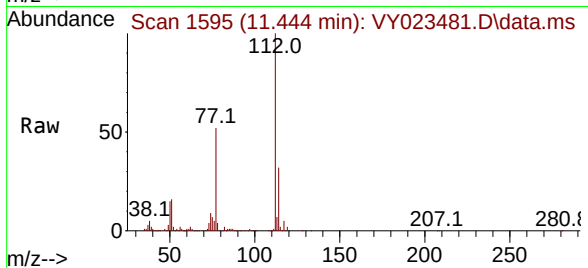
Tgt Ion:164 Resp: 365309
Ion Ratio Lower Upper
164 100
166 131.4 99.4 149.0
129 86.2 69.4 104.2
131 84.9 67.5 101.3





#65
Chlorobenzene
Concen: 55.546 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

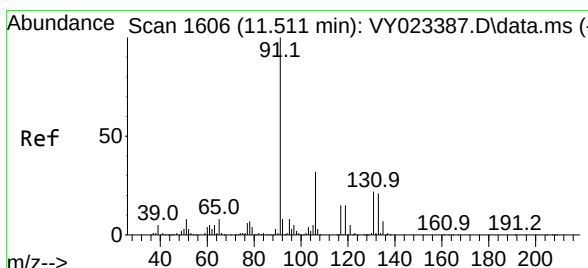
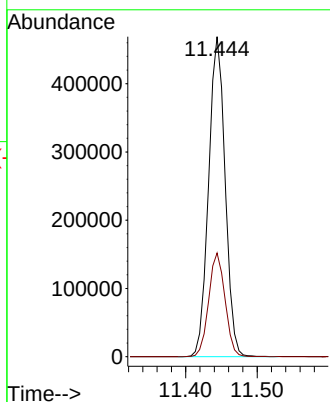
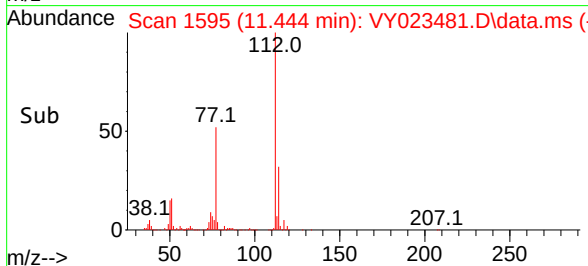
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



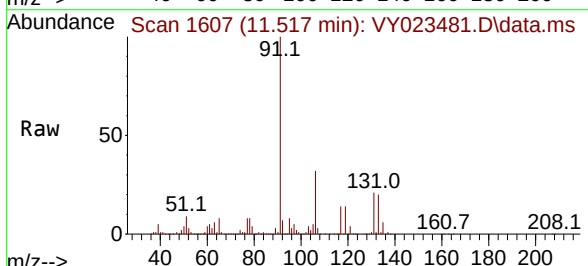
Tgt Ion:112 Resp: 752258
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

Manual Integrations
APPROVED

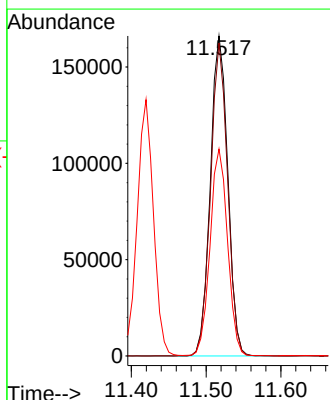
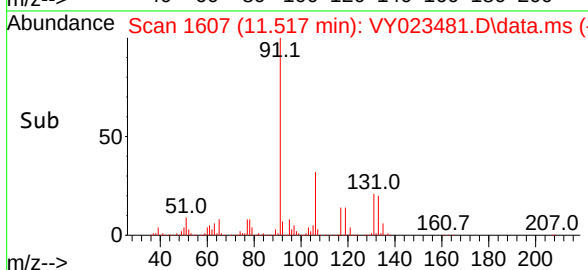
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

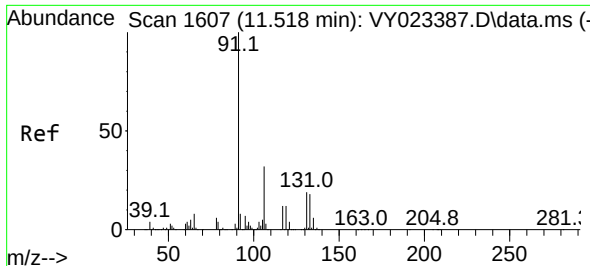


#66
1,1,1,2-Tetrachloroethane
Concen: 55.871 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



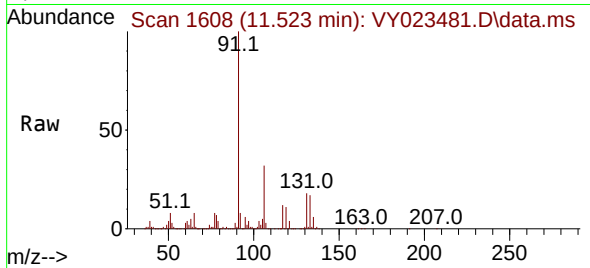
Tgt Ion:131 Resp: 269641
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.2
119 65.0 32.4 97.2





#67
Ethyl Benzene
Concen: 57.462 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

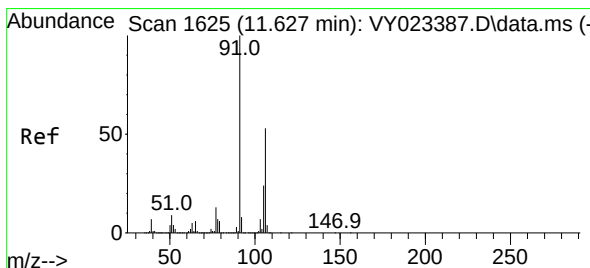
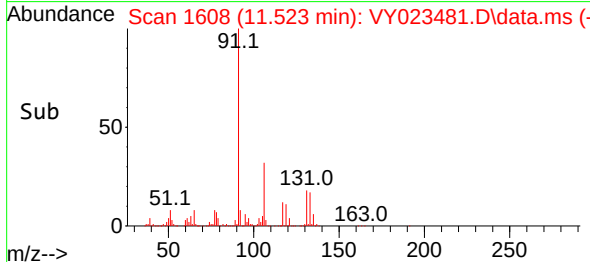
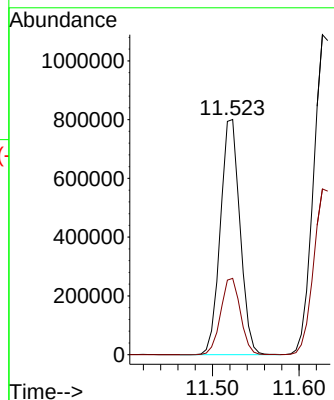
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 125968
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8

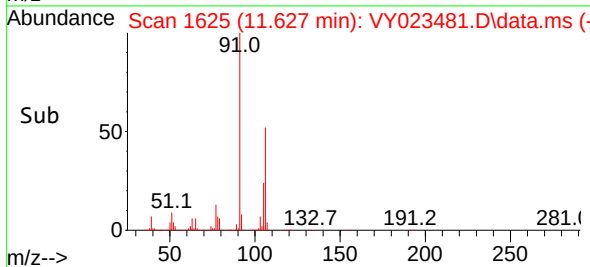
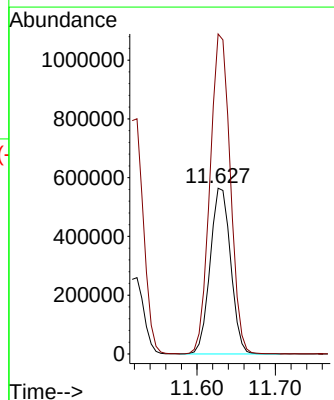
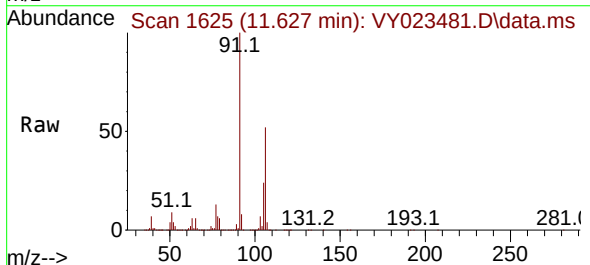
Manual Integrations
APPROVED

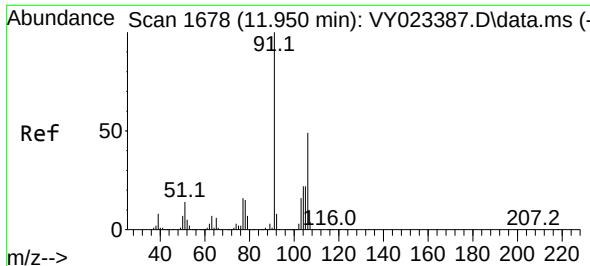
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#68
m/p-Xylenes
Concen: 116.434 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Tgt Ion:106 Resp: 1023796
Ion Ratio Lower Upper
106 100
91 191.6 152.6 229.0





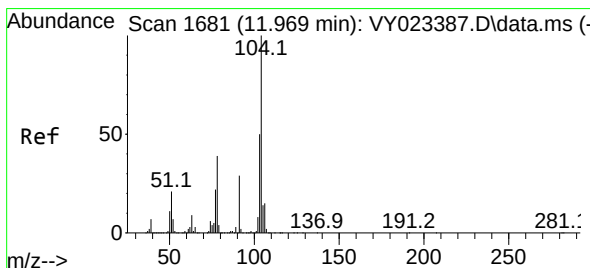
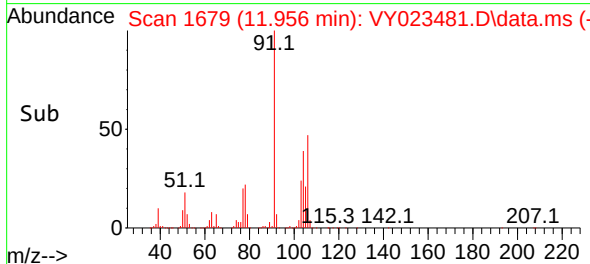
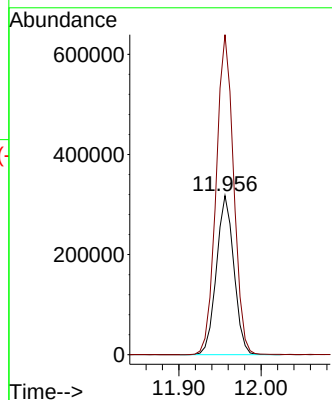
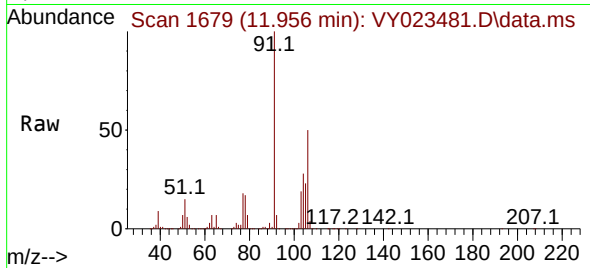
#69
o-Xylene
Concen: 56.974 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 46989
Ion Ratio Lower Upper
106 100
91 201.8 101.4 304.1

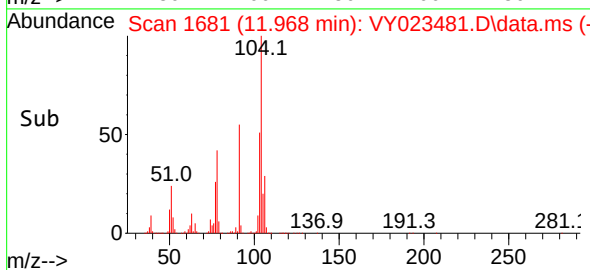
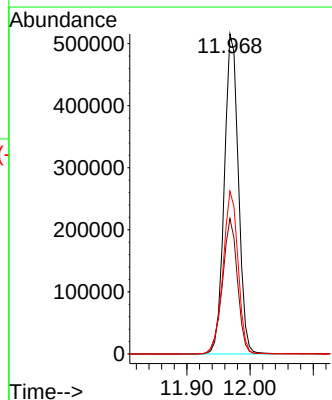
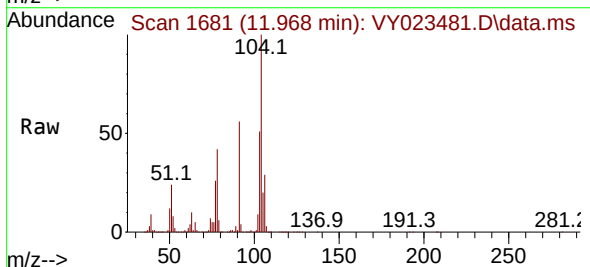
Manual Integrations
APPROVED

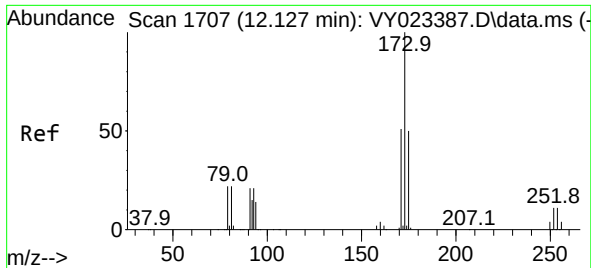
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#70
Styrene
Concen: 58.498 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

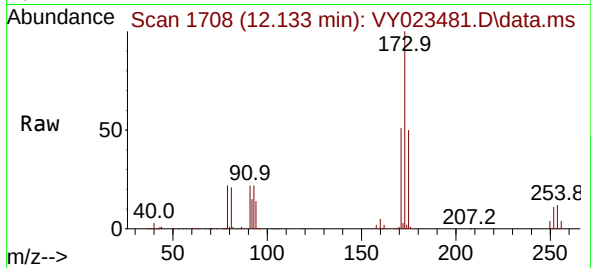
Tgt Ion:104 Resp: 793392
Ion Ratio Lower Upper
104 100
78 45.0 36.1 54.1
103 54.3 43.2 64.8





#71
Bromoform
Concen: 51.808 ug/l
RT: 12.133 min Scan# 1707
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

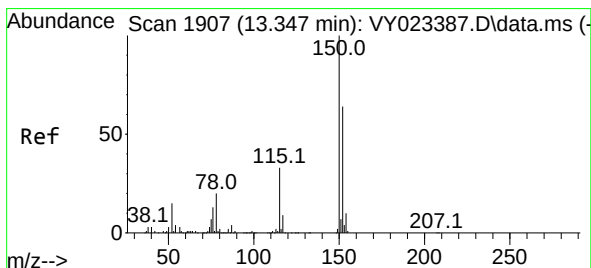
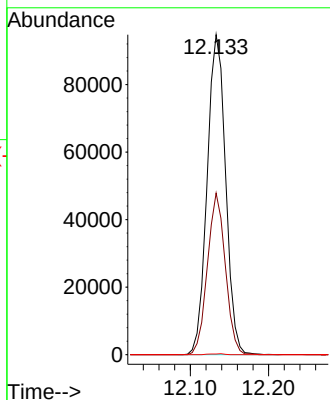
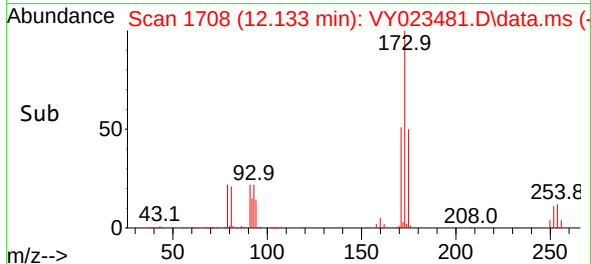
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



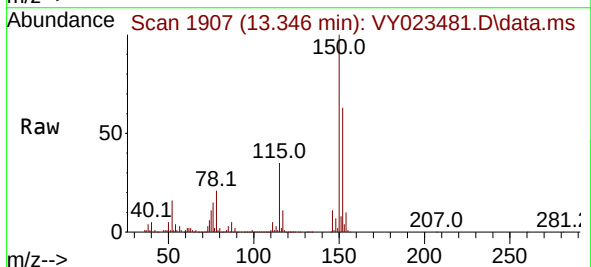
Tgt Ion:173 Resp: 155093
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.3
254 0.2 0.1 0.1

Manual Integrations
APPROVED

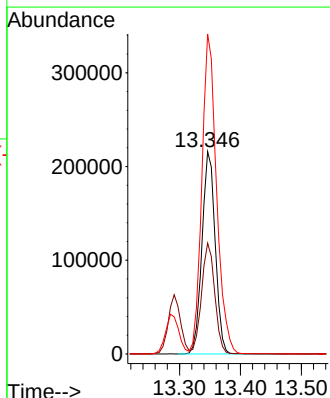
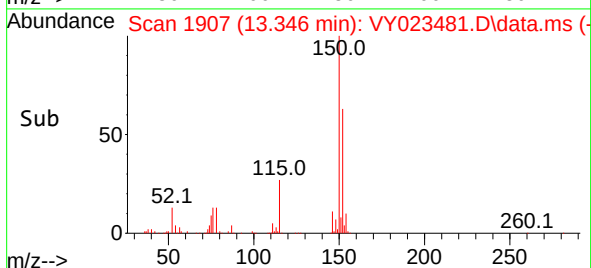
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

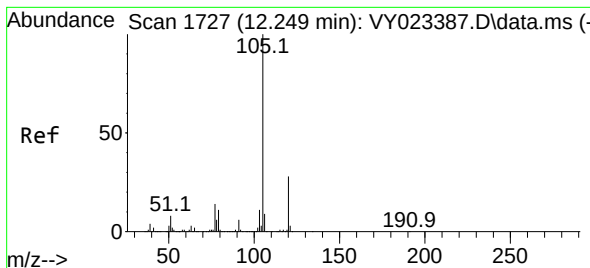


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion:152 Resp: 326705
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.2
150 174.9 0.0 347.4





#73

Isopropylbenzene

Concen: 57.659 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 124140

Ion Ratio Lower Upper

105 100

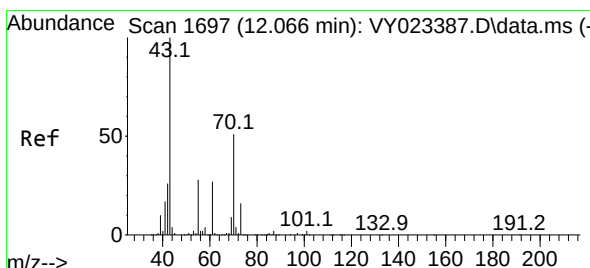
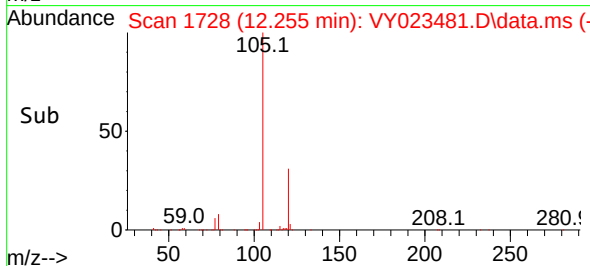
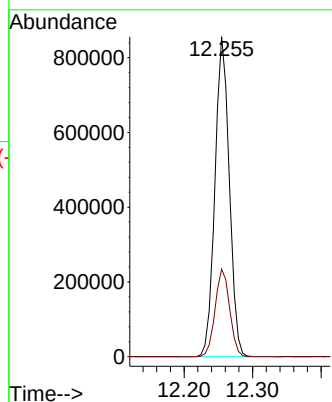
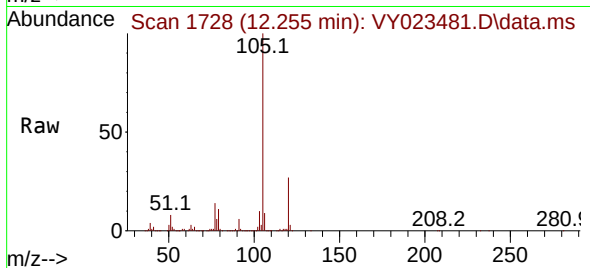
120 27.7 13.9 41.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#74

N-ethyl acetate

Concen: 46.960 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Tgt Ion: 43 Resp: 181603

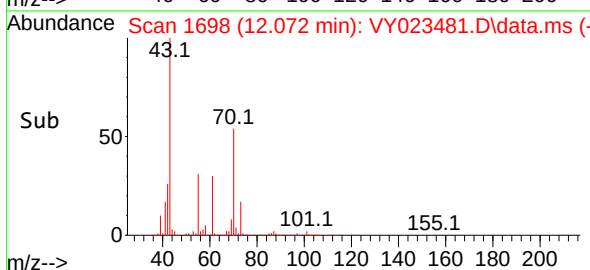
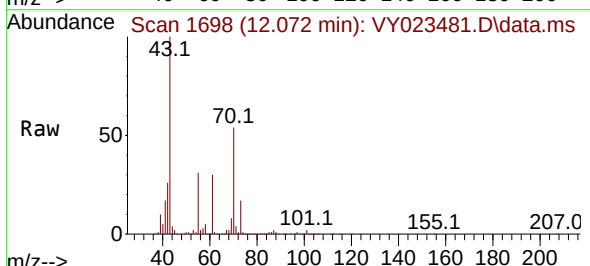
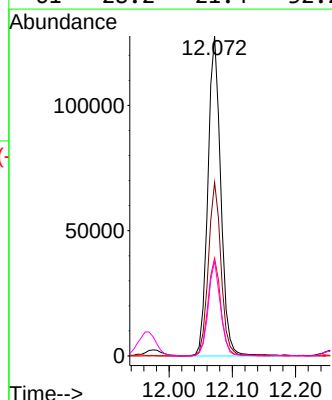
Ion Ratio Lower Upper

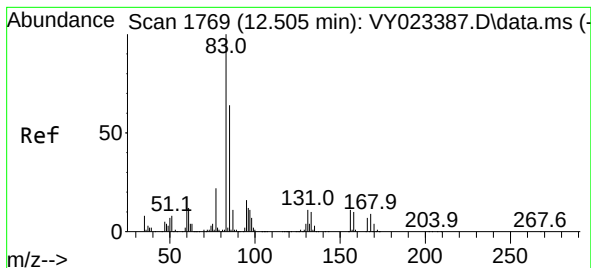
43 100

70 53.2 41.1 61.7

55 30.4 23.0 34.6

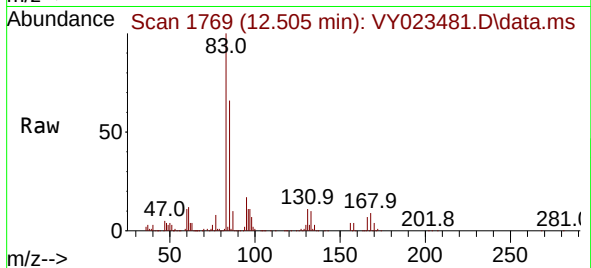
61 28.2 21.4 32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.896 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

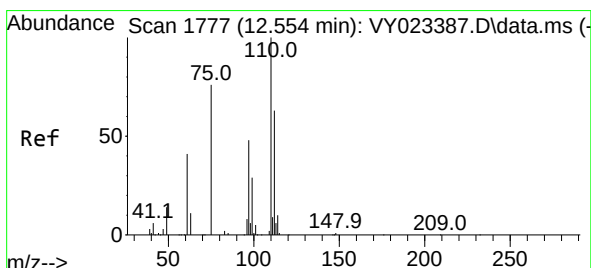
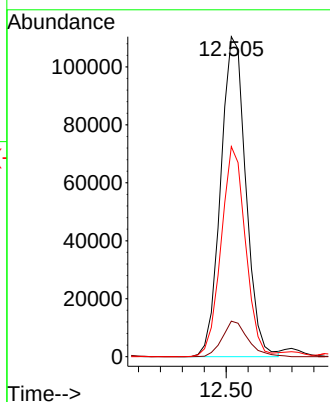
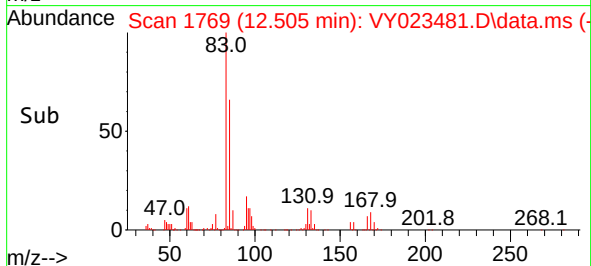
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



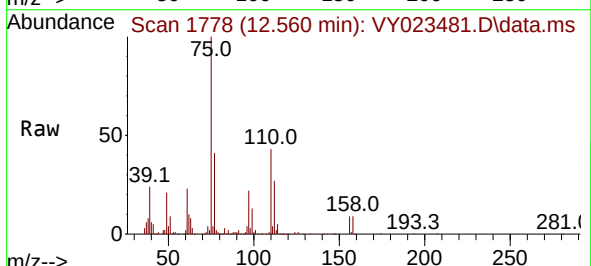
Tgt Ion: 83 Resp: 175704
Ion Ratio Lower Upper
83 100
131 11.4 5.9 17.6
85 64.0 31.8 95.3

Manual Integrations
APPROVED

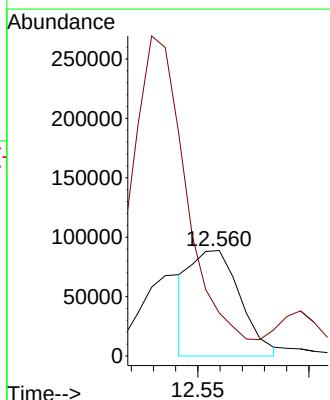
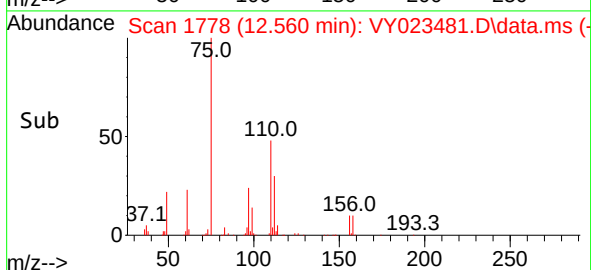
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

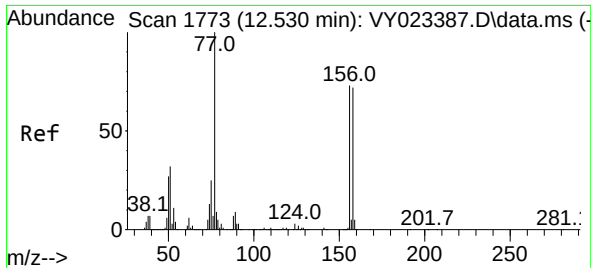


#76
1,2,3-Trichloropropane
Concen: 48.121 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



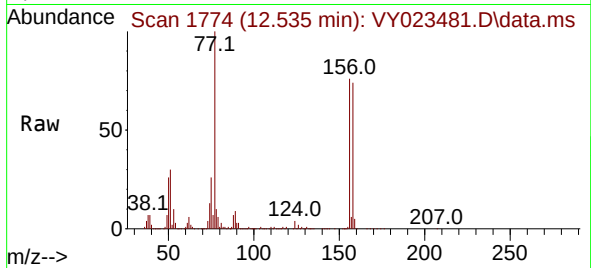
Tgt Ion: 75 Resp: 138704
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 53.619 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

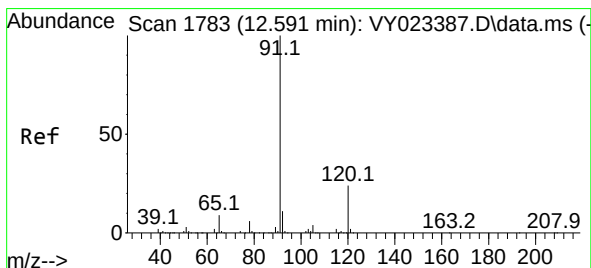
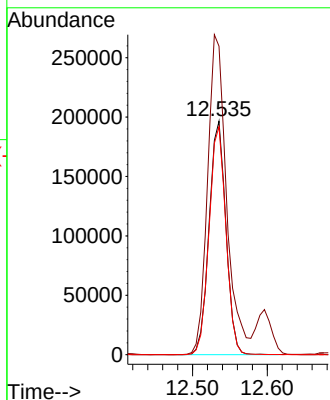
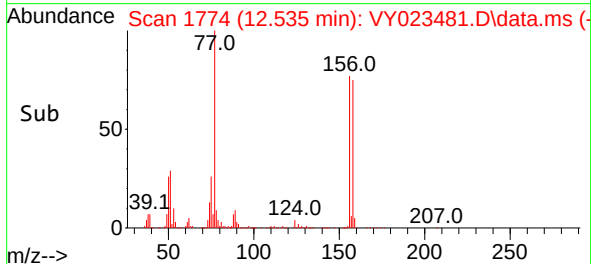
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



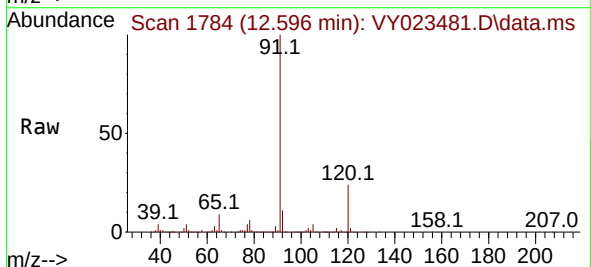
Tgt Ion:156 Resp: 306909
Ion Ratio Lower Upper
156 100
77 155.5 76.8 230.5
158 97.9 49.0 147.2

Manual Integrations
APPROVED

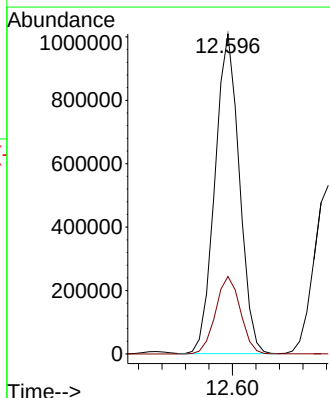
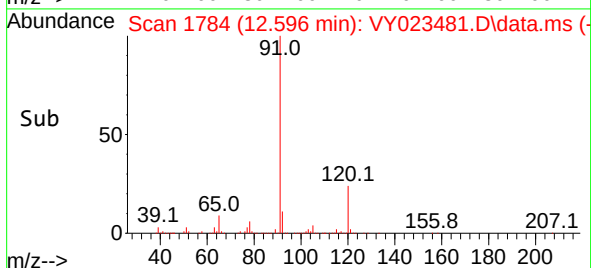
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

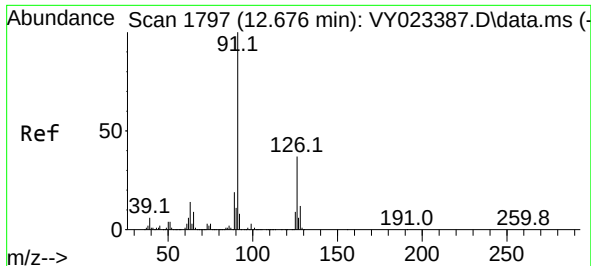


#78
n-propylbenzene
Concen: 58.345 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



Tgt Ion: 91 Resp: 1453652
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.8





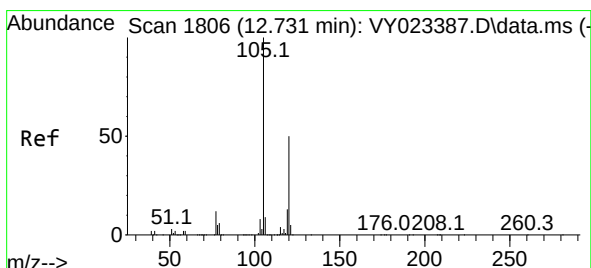
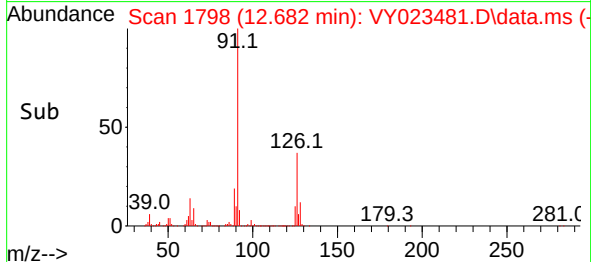
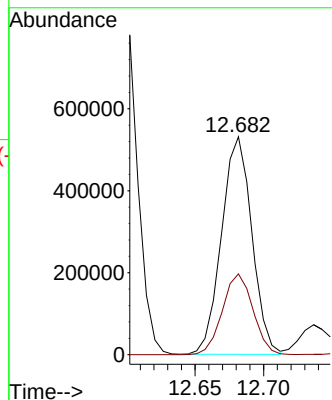
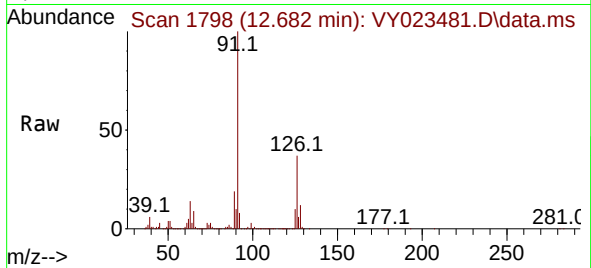
#79
2-Chlorotoluene
Concen: 56.111 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 818664
Ion Ratio Lower Upper
91 100
126 37.4 18.5 55.5

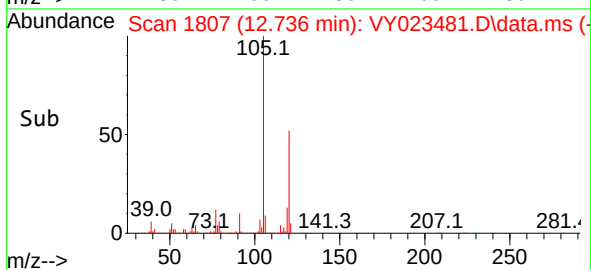
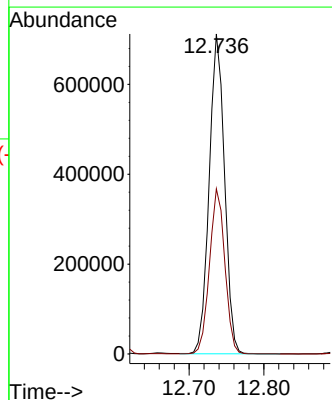
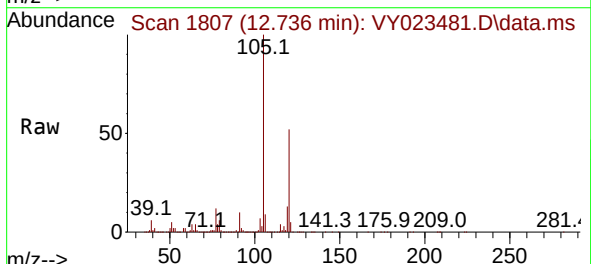
Manual Integrations
APPROVED

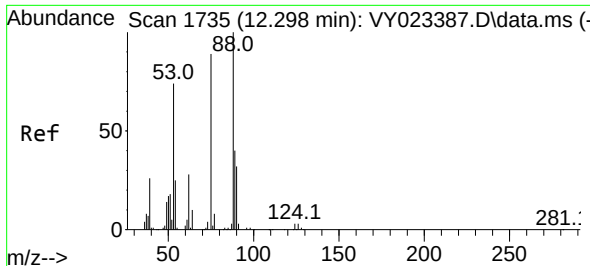
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#80
1,3,5-Trimethylbenzene
Concen: 58.376 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

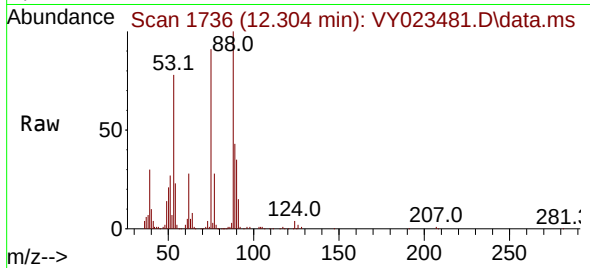
Tgt Ion:105 Resp: 1015624
Ion Ratio Lower Upper
105 100
120 51.6 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 49.275 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

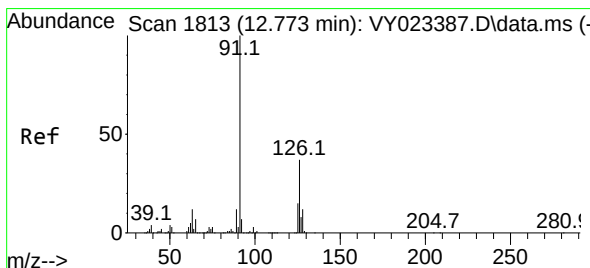
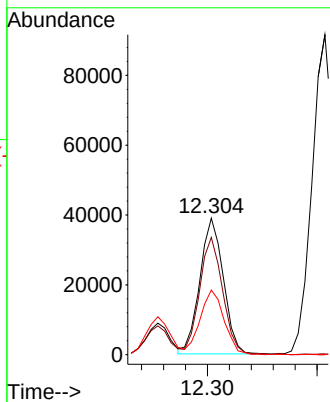
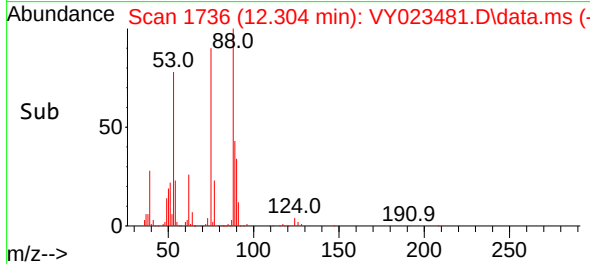
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 57920
Ion Ratio Lower Upper
75 100
53 85.2 68.6 102.8
89 48.4 39.0 58.4

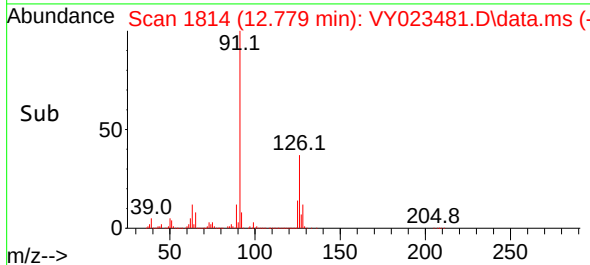
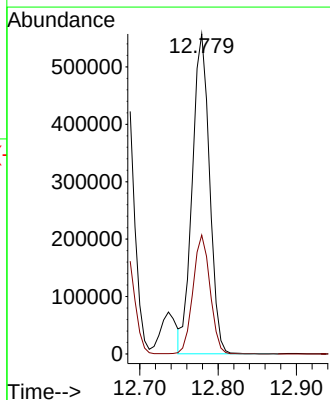
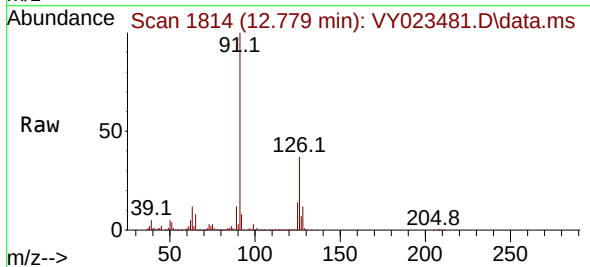
Manual Integrations
APPROVED

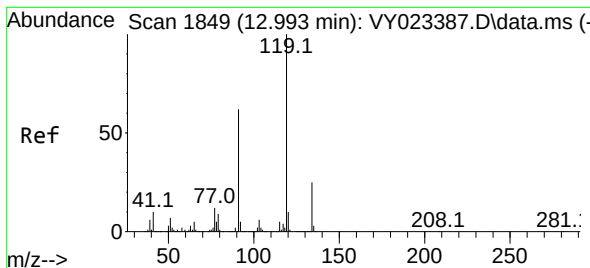
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#82
4-Chlorotoluene
Concen: 56.726 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

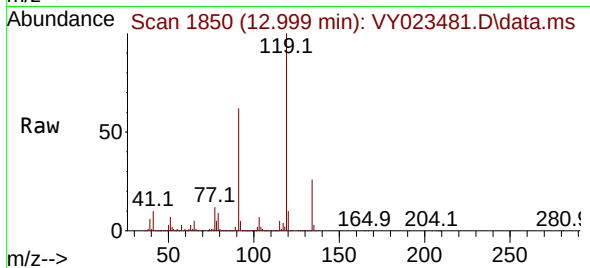
Tgt Ion: 91 Resp: 852372
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4





#83
tert-Butylbenzene
Concen: 57.159 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

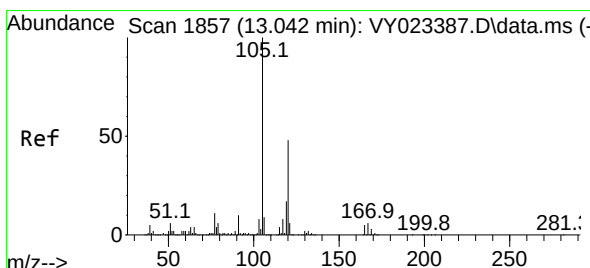
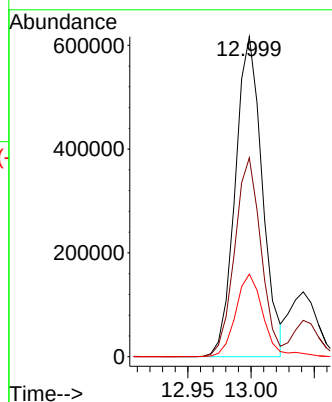
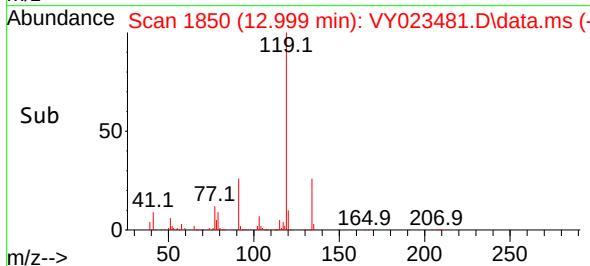
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



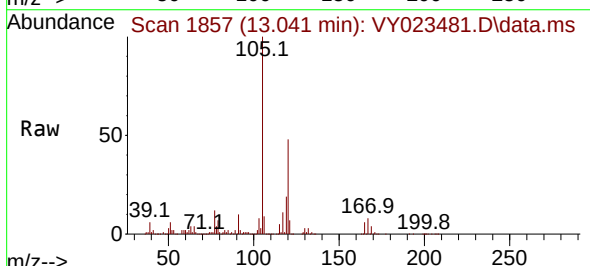
Tgt Ion:119 Resp: 91819
Ion Ratio Lower Upper
119 100
91 60.5 29.9 89.8
134 26.3 12.9 38.7

Manual Integrations
APPROVED

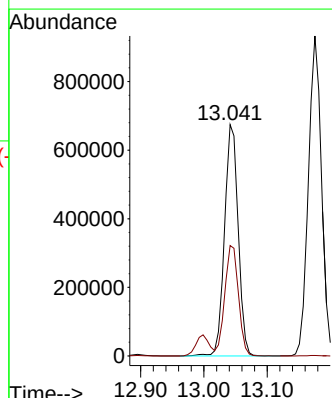
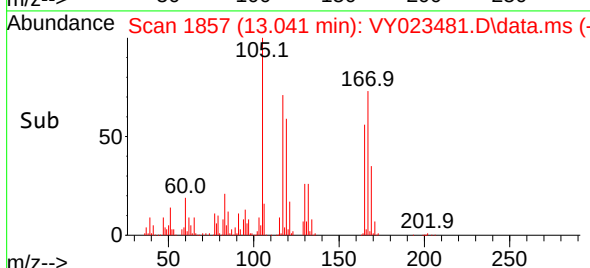
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

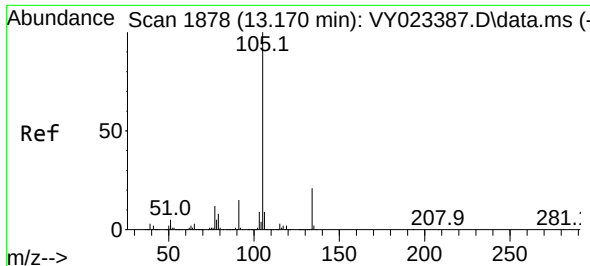


#84
1,2,4-Trimethylbenzene
Concen: 57.979 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12



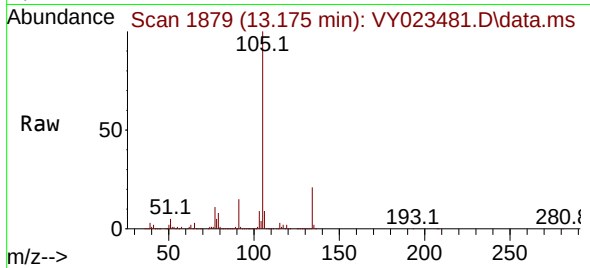
Tgt Ion:105 Resp: 1006700
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.2





#85
 sec-Butylbenzene
 Concen: 58.135 ug/l
 RT: 13.175 min Scan# 1878
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

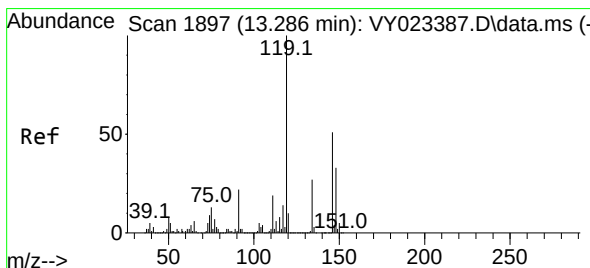
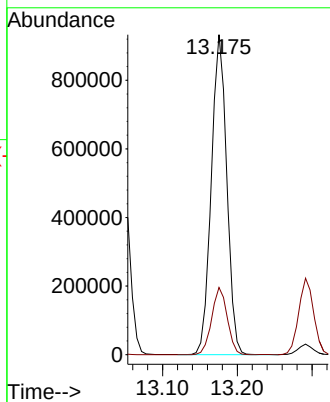
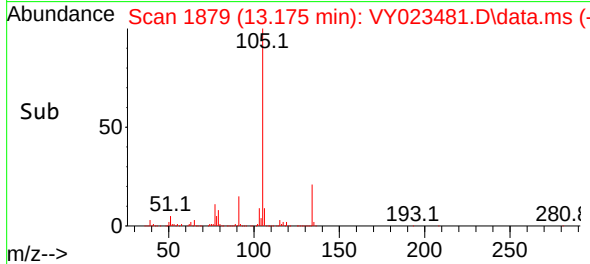
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 1339630
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 32.1

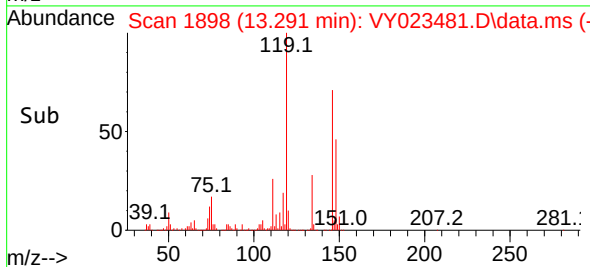
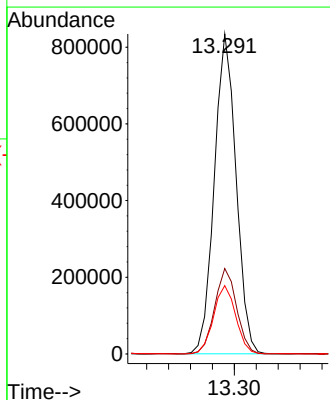
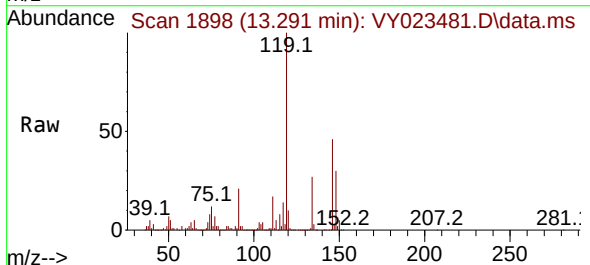
Manual Integrations
 APPROVED

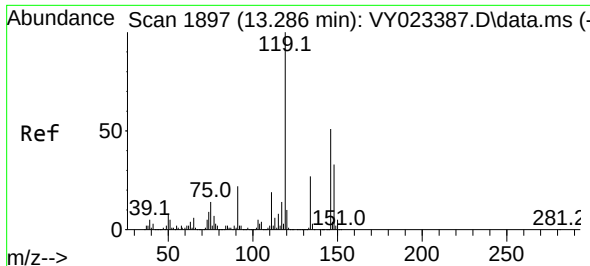
Reviewed By :John Carlone 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#86
 p-Isopropyltoluene
 Concen: 58.647 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

Tgt Ion:119 Resp: 1150627
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.7
 91 21.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 55.008 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 61312

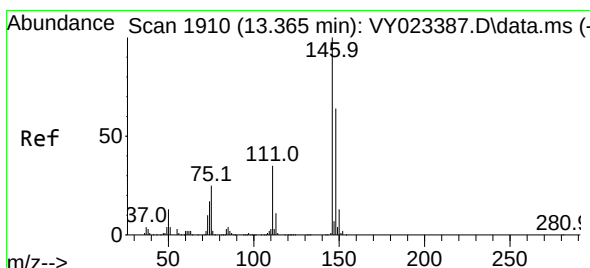
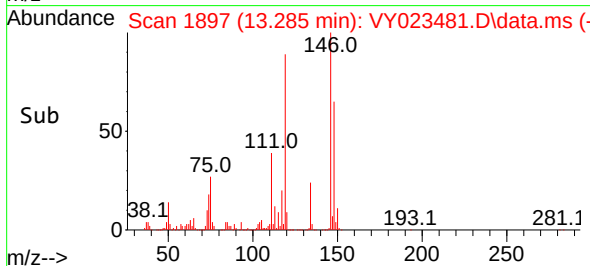
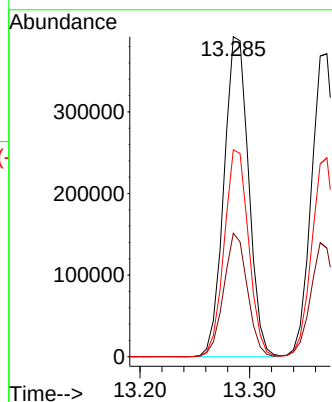
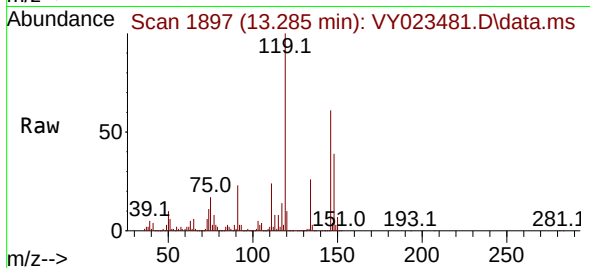
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	63.9	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#88

1,4-Dichlorobenzene

Concen: 53.509 ug/l

RT: 13.370 min Scan# 1911

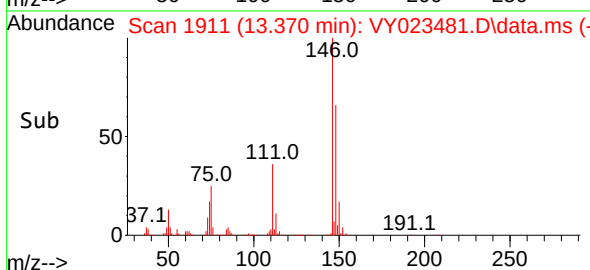
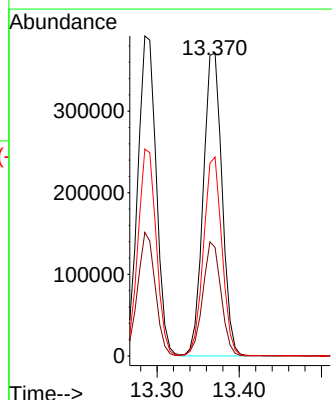
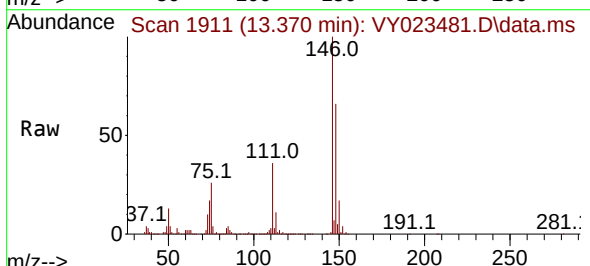
Delta R.T. 0.006 min

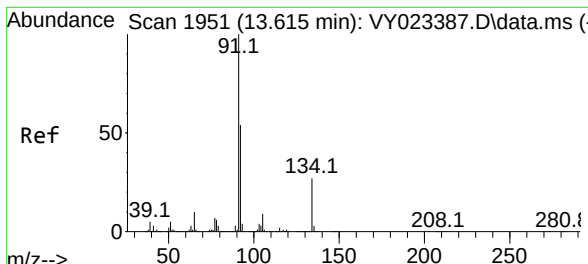
Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Tgt Ion:146 Resp: 589042

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.0	54.0
148	64.3	31.9	95.7





#89
 n-Butylbenzene
 Concen: 58.544 ug/l
 RT: 13.620 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

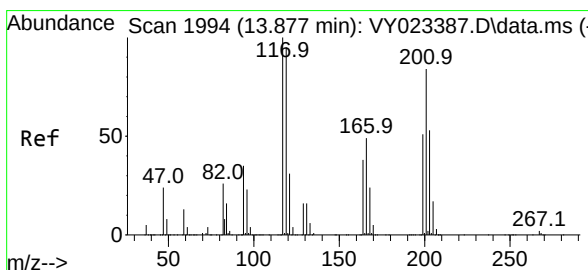
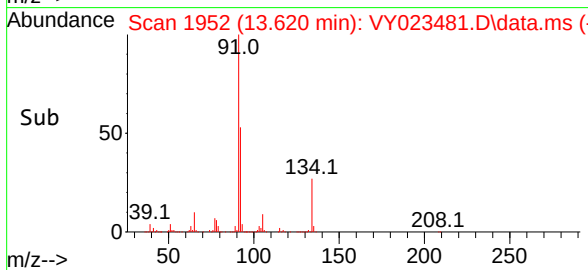
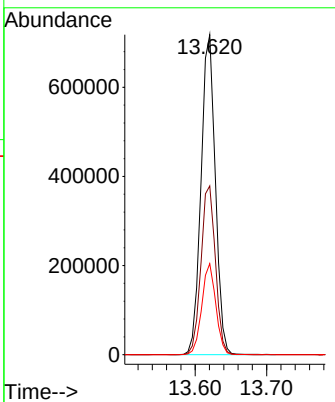
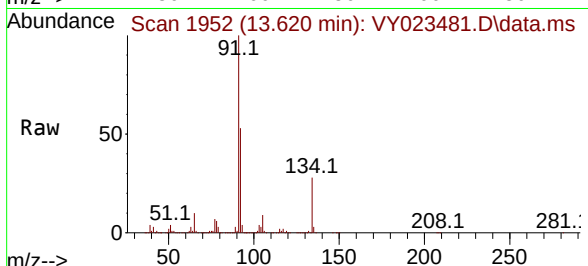
Instrument : MSVOA_Y
 ClientSampleId : VSTDCCC050

Tgt Ion: 91 Resp: 100082

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	27.9	14.1	42.2

Manual Integrations
 APPROVED

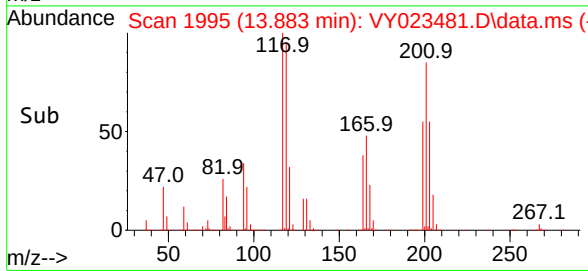
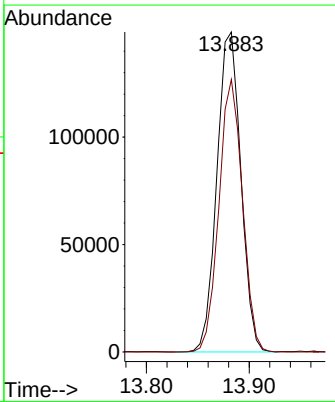
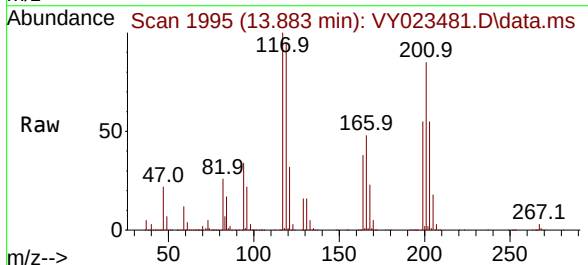
Reviewed By :John Carlone 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

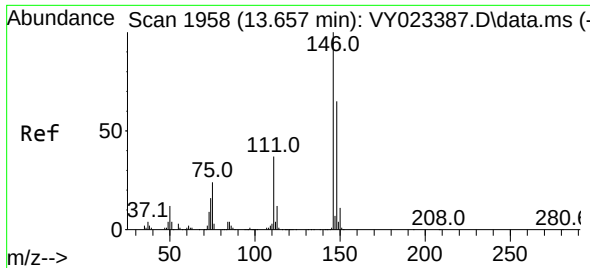


#90
 Hexachloroethane
 Concen: 57.092 ug/l
 RT: 13.883 min Scan# 1995
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

Tgt Ion: 117 Resp: 240918

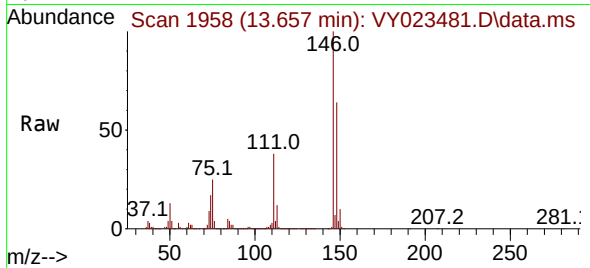
Ion	Ratio	Lower	Upper
117	100		
201	83.5	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 53.941 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

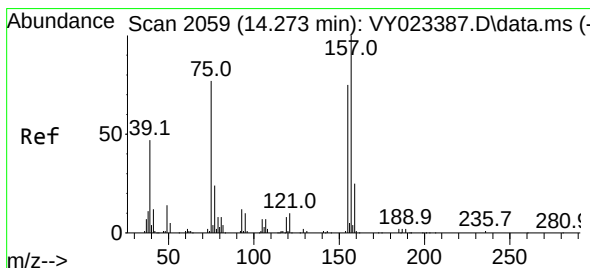
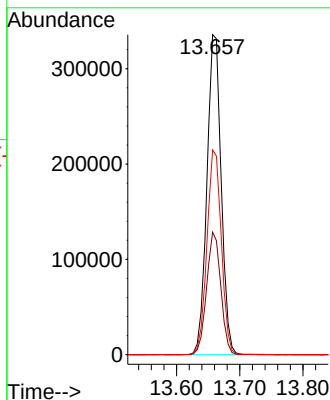
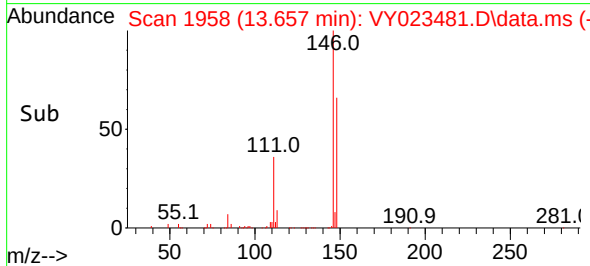
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 527112
Ion Ratio Lower Upper
146 100
111 38.0 19.0 57.0
148 64.6 32.1 96.3

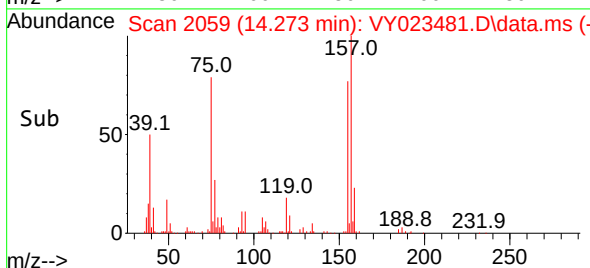
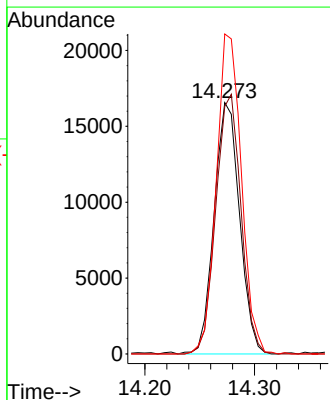
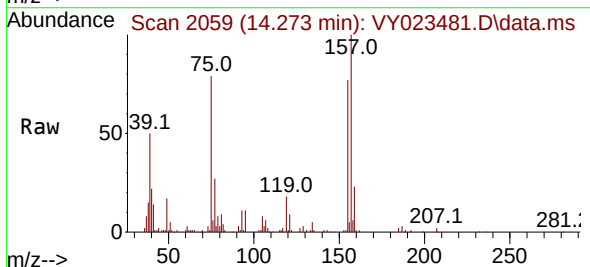
Manual Integrations
APPROVED

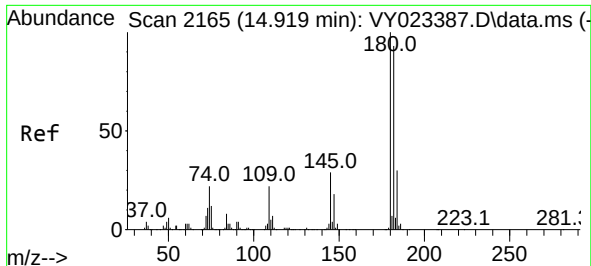
Reviewed By :John Carlone 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.217 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023481.D
Acq: 16 Oct 2025 09:12

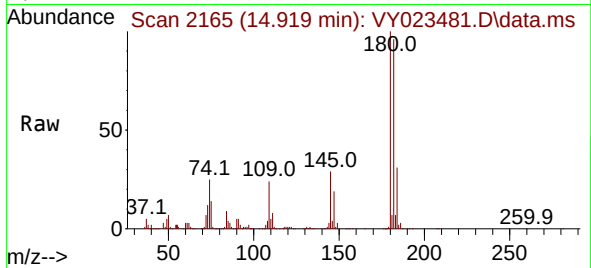
Tgt Ion: 75 Resp: 26704
Ion Ratio Lower Upper
75 100
155 101.9 50.0 150.0
157 125.6 63.8 191.5





#93
 1,2,4-Trichlorobenzene
 Concen: 51.453 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12

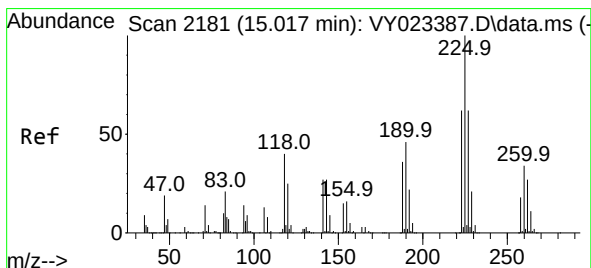
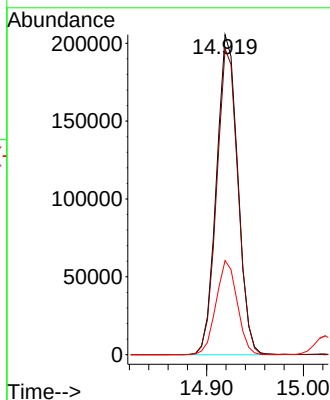
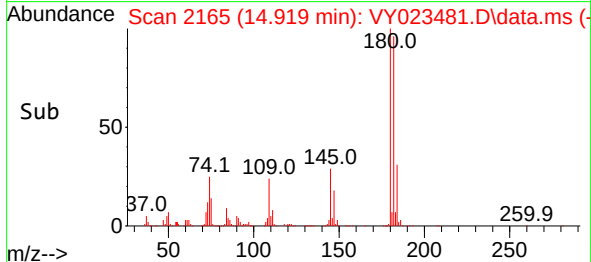
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



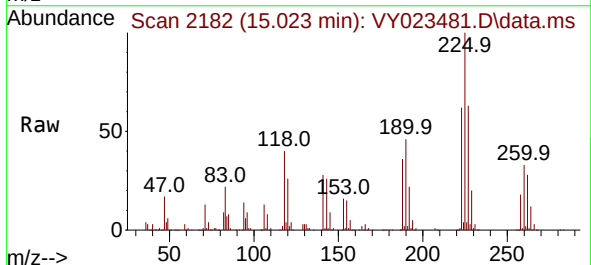
Tgt Ion:180 Resp: 31346
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.6
 145 29.2 14.7 44.1

Manual Integrations
 APPROVED

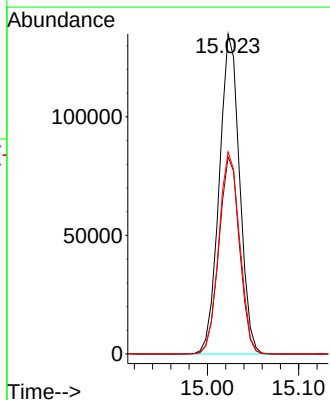
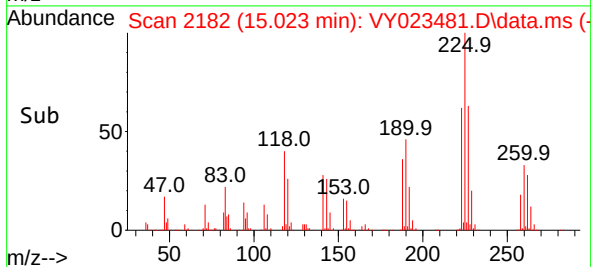
Reviewed By :John Carlone 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

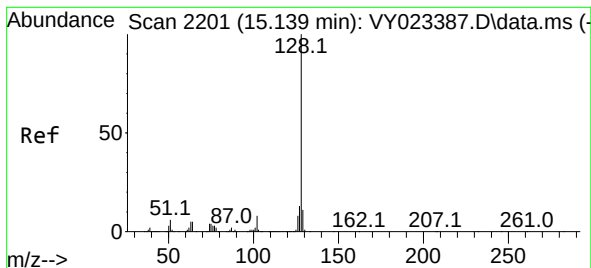


#94
 Hexachlorobutadiene
 Concen: 54.993 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. 0.006 min
 Lab File: VY023481.D
 Acq: 16 Oct 2025 09:12



Tgt Ion:225 Resp: 208839
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.8 92.3
 227 64.7 31.9 95.7





#95

Naphthalene

Concen: 47.790 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

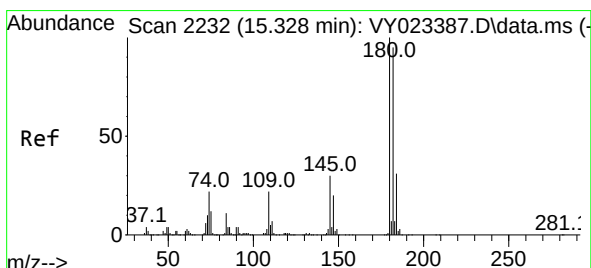
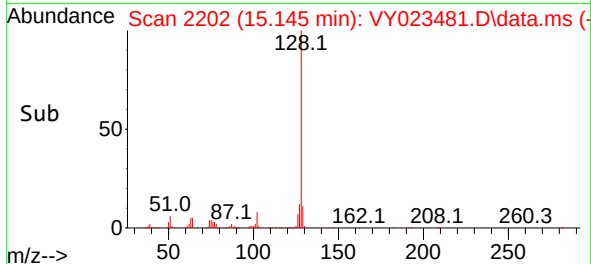
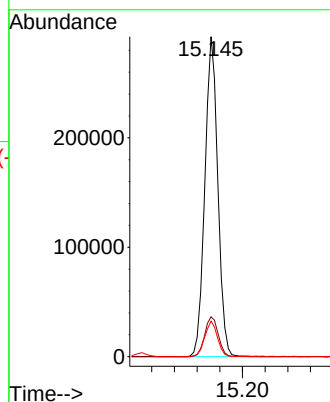
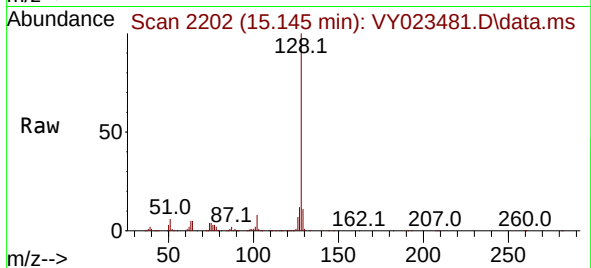
Tgt Ion:128 Resp: 46361
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#96

1,2,3-Trichlorobenzene

Concen: 50.229 ug/l

RT: 15.327 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023481.D

Acq: 16 Oct 2025 09:12

Tgt Ion:180 Resp: 265054
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 30.3 15.3 45.9

