

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046614.D
 Acq On : 10 Jun 2025 20:19
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jun 11 05:56:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 05:53:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

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

Internal Standards						
1) Bromochloromethane	4.916	128	20339	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	108711	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100056	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	51846	27.060	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.200%#		
60) 4-Bromofluorobenzene	11.079	95	51515	28.084	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.600%		
63) Toluene-d8	8.653	98	135945	25.528	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	85.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	6570	3.970	ug/l	99
3) Chloromethane	1.307	50	7029	3.631	ug/l	97
4) Vinyl Chloride	1.386	62	6659	3.553	ug/l	100
5) Bromomethane	1.624	94	4379	5.987	ug/l	86
6) Chloroethane	1.703	64	3876	3.884	ug/l	96
7) Trichlorofluoromethane	1.904	101	9576	3.737	ug/l	96
8) Diethyl Ether	2.148	74	3565m	3.737	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.349	101	6635	4.287	ug/l	97
10) 1,1-Dichloroethene	2.331	96	6274	4.171	ug/l	93
11) Methyl Iodide	2.465	142	7812	4.351	ug/l	97
12) Methyl Acetate	2.715	43	8141	4.326	ug/l	99
13) Acrolein	2.246	56	3864m	11.944	ug/l	
14) Acrylonitrile	3.075	53	16477	19.615	ug/l	96
15) Acetone	2.392	58	3564	16.008	ug/l	95
16) Carbon Disulfide	2.526	76	16246	3.799	ug/l	97
17) Allyl chloride	2.685	41	11278	4.010	ug/l	94
18) Methylene Chloride	2.807	84	7325	4.352	ug/l	98
19) trans-1,2-Dichloroethene	3.111	96	6558	4.296	ug/l	96
20) Diisopropyl ether	3.782	45	20640	3.834	ug/l	96
21) 1,1-Dichloroethane	3.623	63	12577	4.190	ug/l	97
22) cis-1,2-Dichloroethene	4.507	96	7461	4.085	ug/l	97
23) tert-Butyl Alcohol	2.965	59	3079	11.259	ug/l #	100
24) Methyl tert-Butyl Ether	3.130	73	17874	3.672	ug/l	99
25) Chloroform	5.105	83	13281	4.539	ug/l	93
26) Cyclohexane	5.483	56	11414	4.131	ug/l #	97
29) 1,1-Dichloropropene	5.702	75	8995m	4.533	ug/l	
30) 2-Butanone	4.574	43	18746	17.149	ug/l #	95
31) 2,2-Dichloropropane	4.495	77	7756	3.602	ug/l	95
32) 1,1,1-Trichloroethane	5.398	97	10859m	4.503	ug/l	
33) Carbon Tetrachloride	5.684	117	9491	4.628	ug/l	98
34) Benzene	6.050	78	26529	4.329	ug/l	99
35) Methacrylonitrile	4.934	41	4456	3.751	ug/l	90
36) 1,2-Dichloroethane	6.111	62	10321	4.805	ug/l	96
37) Trichloroethene	7.135	130	6787	4.704	ug/l	94
38) Methylcyclohexane	7.391	83	10589	4.024	ug/l	99
39) 1,2-Dichloropropane	7.440	63	6540m	4.306	ug/l	
40) Dibromomethane	7.592	93	5059	4.591	ug/l	97
41) Bromodichloromethane	7.824	83	9535	4.313	ug/l #	96
42) Vinyl Acetate	3.739	43	77412	18.221	ug/l	98

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 Sample : VSTDICC005
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 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

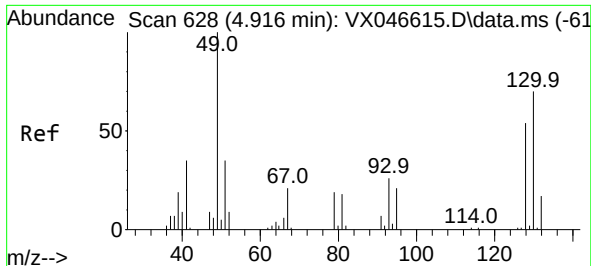
Quant Time: Jun 11 05:56:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
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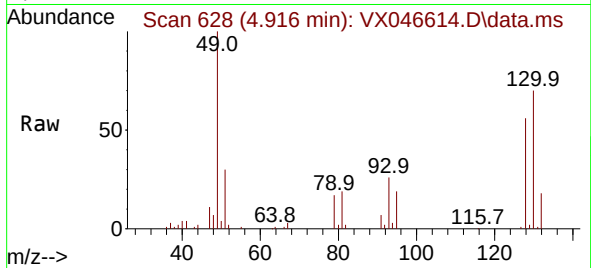
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43) Ethyl Acetate	4.739	43	7901	3.772	ug/l #	93
44) Isopropyl Acetate	6.361	43	11865	3.470	ug/l	98
45) 1,4-Dioxane	7.678	88	1577	47.827	ug/l #	66
46) Methyl methacrylate	7.702	41	6418m	3.745	ug/l	
47) n-amyl Acetate	10.848	43	10344	3.541	ug/l	99
48) t-1,3-Dichloropropene	8.988	75	8052	3.828	ug/l	97
49) cis-1,3-Dichloropropene	8.373	75	9107	3.855	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	6180	4.347	ug/l	92
51) Ethyl methacrylate	9.122	69	8230	3.665	ug/l	95
52) 1,3-Dichloropropane	9.311	76	10513	4.209	ug/l	99
53) Dibromochloromethane	9.519	129	6791	4.264	ug/l	97
54) 1,2-Dibromoethane	9.616	107	6561m	4.514	ug/l	
55) 2-Chloroethyl vinyl ether	8.245	63	22805	19.690	ug/l	99
56) Bromoform	10.799	173	4103	4.083	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	40811	18.799	ug/l	98
59) 2-Hexanone	9.433	43	27294	17.430	ug/l	99
61) Tetrachloroethene	9.275	164	5776	4.781	ug/l	93
62) Toluene	8.720	91	27732	4.271	ug/l	99
64) Chlorobenzene	10.080	112	18438	4.574	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	5797	4.329	ug/l	98
66) Ethyl Benzene	10.195	91	31311	4.369	ug/l	95
67) m/p-Xylenes	10.305	106	22936	8.659	ug/l	97
68) o-Xylene	10.640	106	11097	4.286	ug/l	99
69) Styrene	10.659	104	18699	4.280	ug/l	99
70) Isopropylbenzene	10.964	105	30702	4.557	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	9519	4.357	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	7755m	4.303	ug/l	
73) Bromobenzene	11.201	156	7460	4.799	ug/l	97
74) n-propylbenzene	11.305	91	35787	4.437	ug/l	99
75) 2-Chlorotoluene	11.366	91	22257	4.585	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	25610	4.595	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	2205	3.597	ug/l	73
78) 4-Chlorotoluene	11.457	91	25479	4.653	ug/l	100
79) tert-butylbenzene	11.713	119	25323	4.521	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	24894	4.475	ug/l	98
81) sec-Butylbenzene	11.890	105	32733	4.630	ug/l	99
82) p-Isopropyltoluene	12.006	119	25993	4.517	ug/l	99
83) 1,3-Dichlorobenzene	11.970	146	13898	4.793	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	14175	4.923	ug/l	98
85) n-Butylbenzene	12.335	91	25235	4.722	ug/l	100
86) Hexachloroethane	12.536	117	4454	4.374	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	13468	4.757	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1679	3.904	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	8164	4.637	ug/l	99
90) Hexachlorobutadiene	13.725	225	3828	5.291	ug/l	100
91) Naphthalene	13.774	128	25102	4.155	ug/l	98
92) 1,2,3-Trichlorobenzene	13.957	180	8091	4.528	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

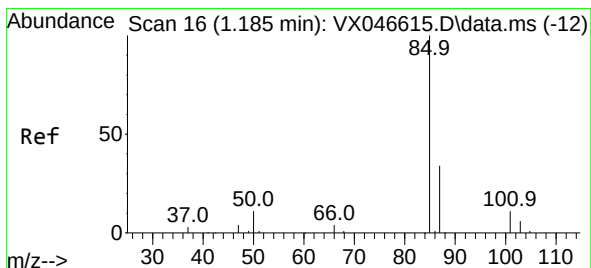
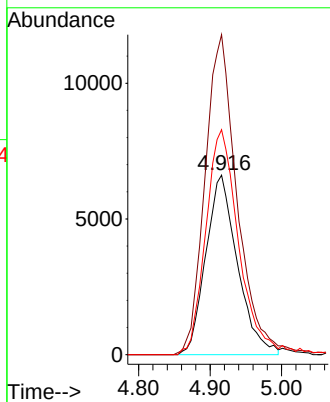
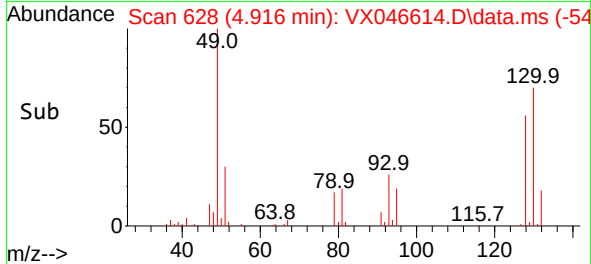
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 20339
Ion Ratio Lower Upper
128 100
49 181.6 0.0 448.3
130 130.4 0.0 312.0

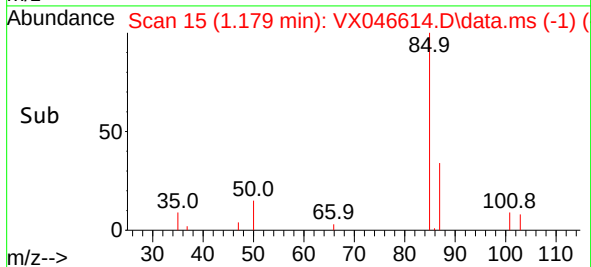
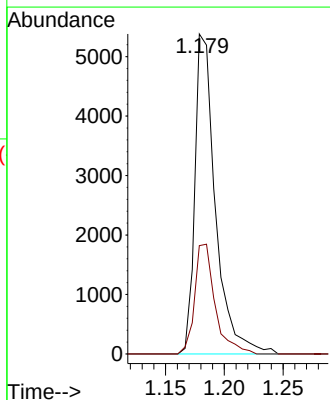
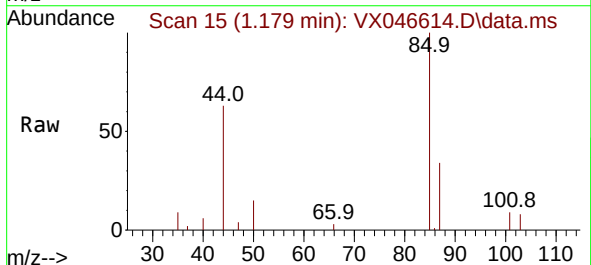
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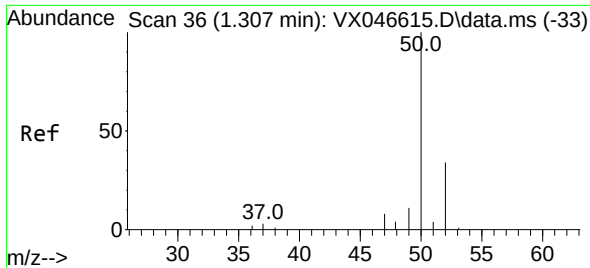
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#2
Dichlorodifluoromethane
Concen: 3.970 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 85 Resp: 6570
Ion Ratio Lower Upper
85 100
87 33.9 17.1 51.3





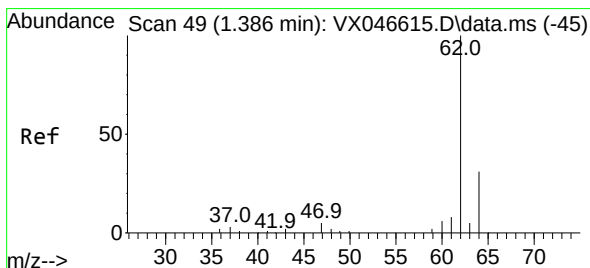
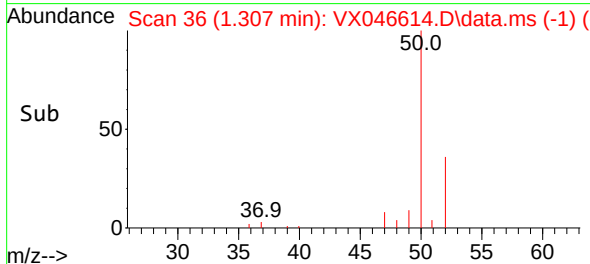
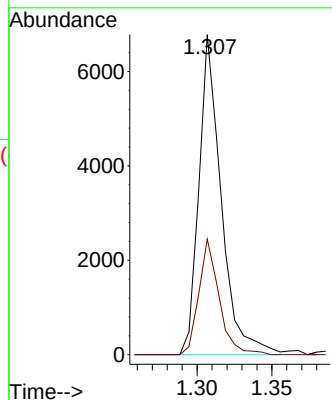
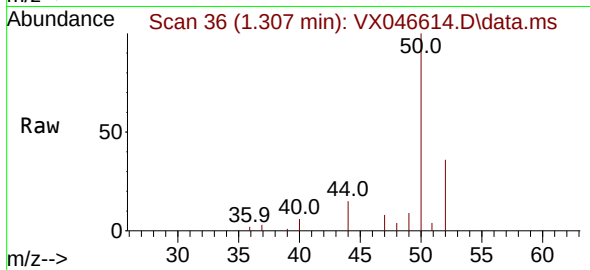
#3
Chloromethane
Concen: 3.631 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 7029
Ion Ratio Lower Upper
50 100
52 36.1 27.4 41.2

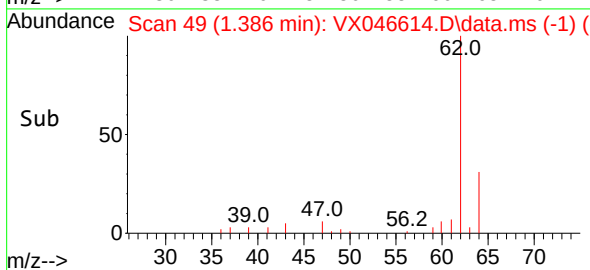
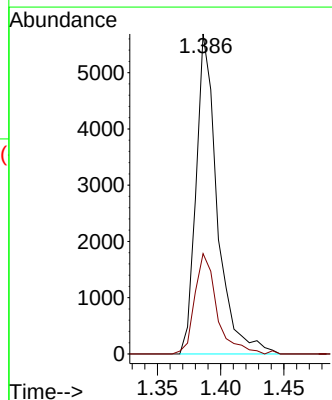
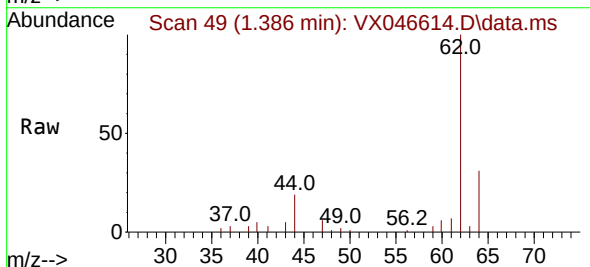
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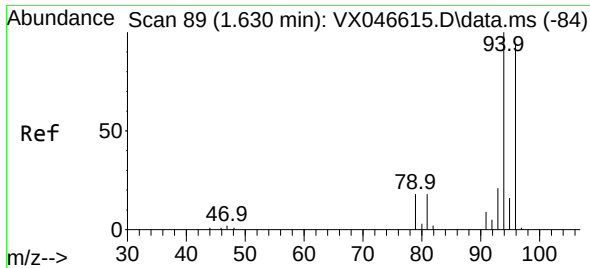
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#4
Vinyl Chloride
Concen: 3.553 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

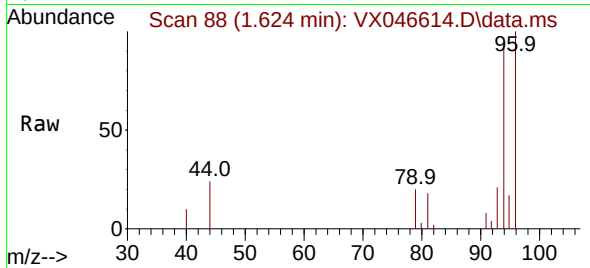
Tgt Ion: 62 Resp: 6659
Ion Ratio Lower Upper
62 100
64 31.3 25.2 37.8





#5
Bromomethane
Concen: 5.987 ug/l
RT: 1.624 min Scan# 89
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

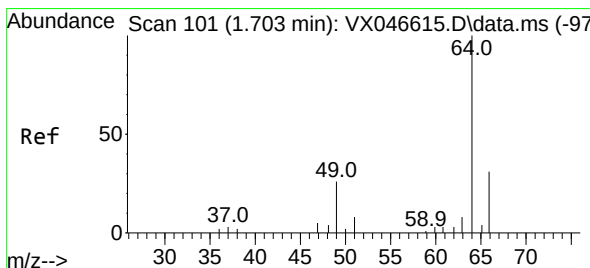
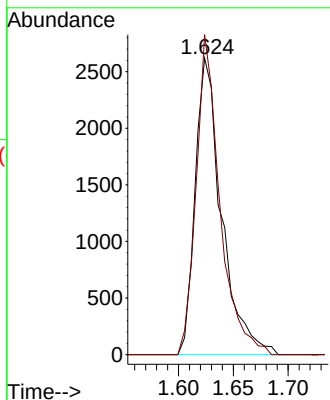
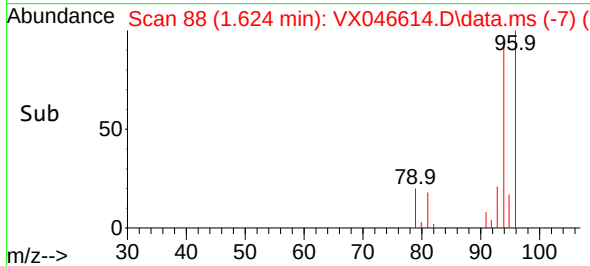
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 4379
Ion Ratio Lower Upper
94 100
96 107.9 75.5 113.3

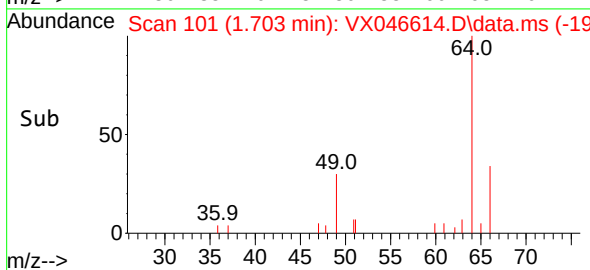
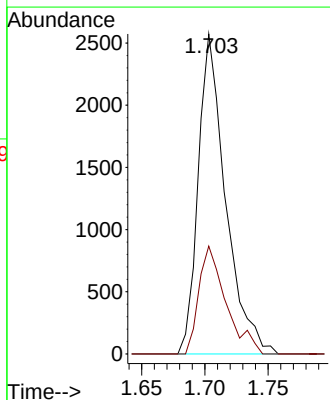
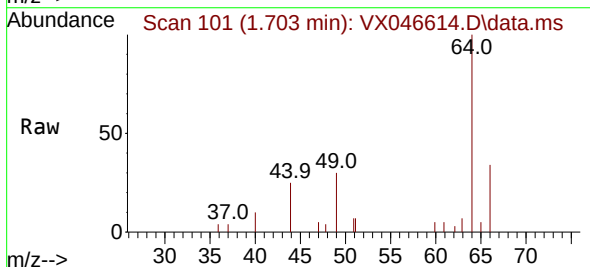
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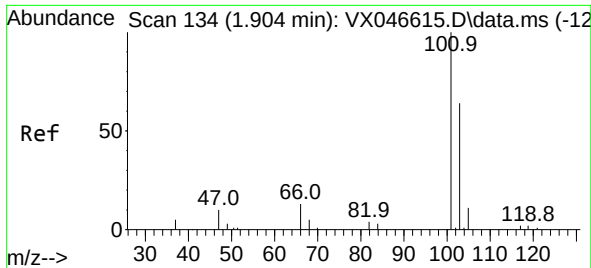
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#6
Chloroethane
Concen: 3.884 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

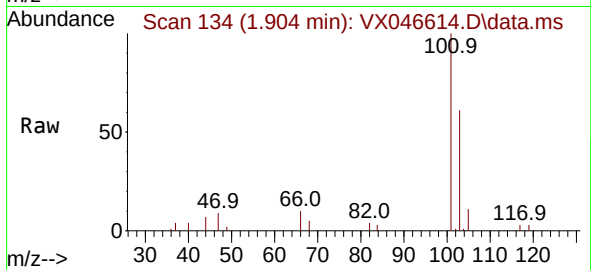
Tgt Ion: 64 Resp: 3876
Ion Ratio Lower Upper
64 100
66 33.7 25.0 37.6





#7
 Trichlorofluoromethane
 Concen: 3.737 ug/l
 RT: 1.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

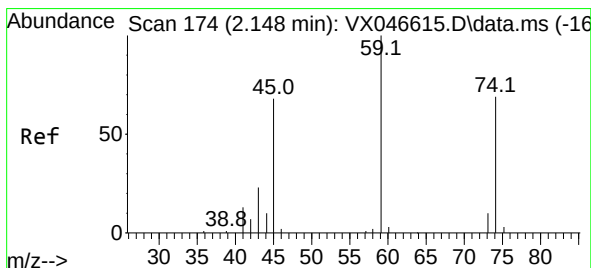
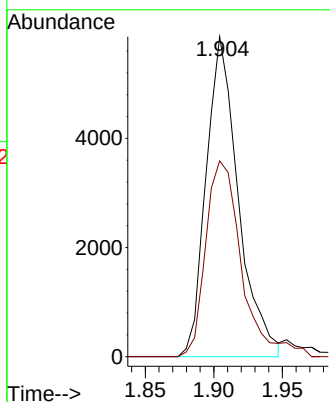
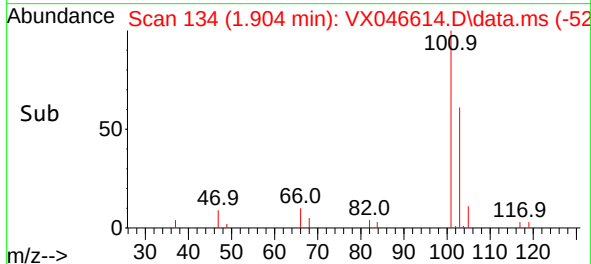
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 MSVOA_X
 ClientSampleId :
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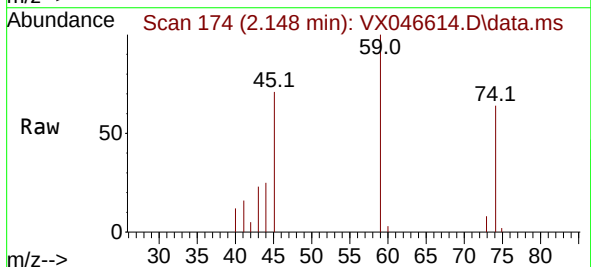
Tgt Ion:101 Resp: 9570
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.5 77.3

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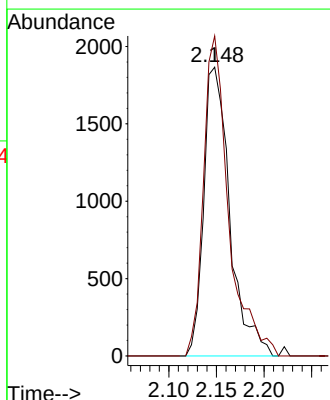
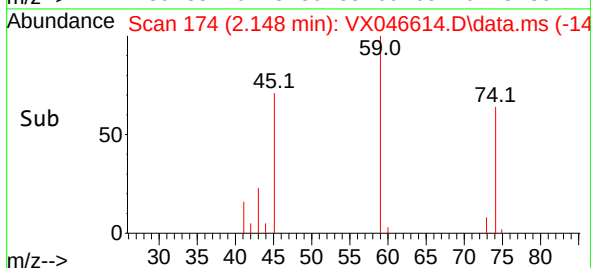
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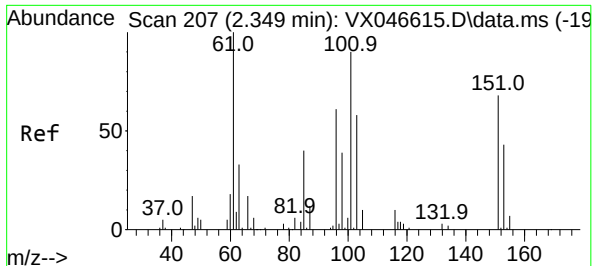


#8
 Diethyl Ether
 Concen: 3.737 ug/l m
 RT: 2.148 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19



Tgt Ion: 74 Resp: 3565
 Ion Ratio Lower Upper
 74 100
 45 106.6 19.3 174.1





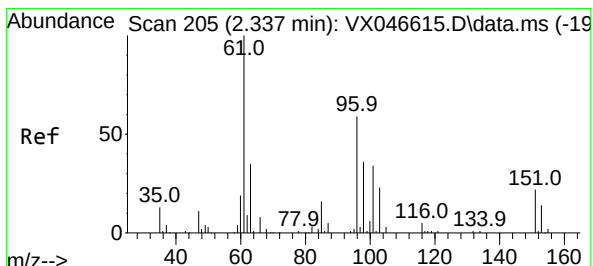
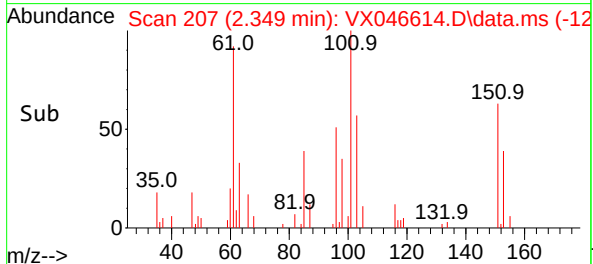
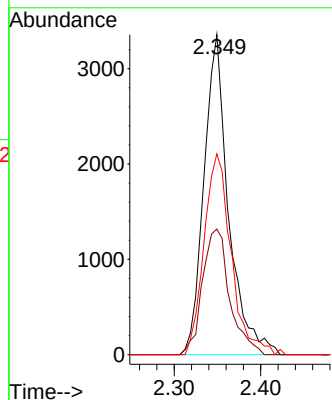
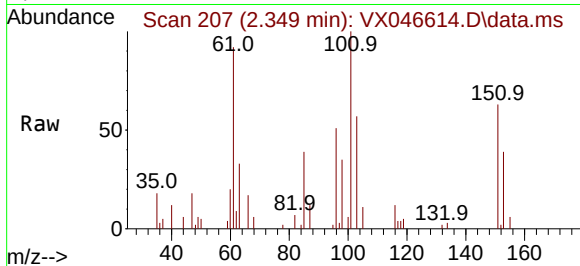
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1,1,2-Trichlorotrifluoroethane
Concen: 4.287 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 663
Ion Ratio Lower Upper
101 100
85 43.4 0.0 88.2
151 67.2 0.0 141.8

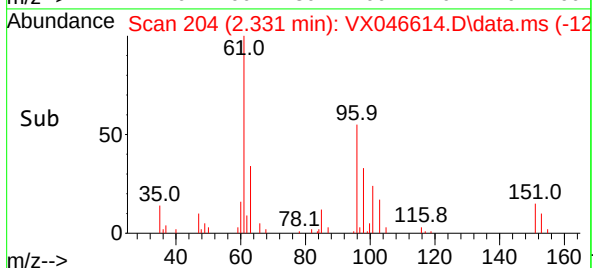
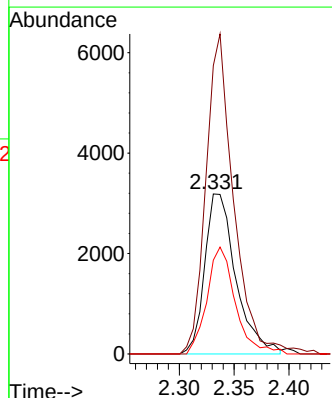
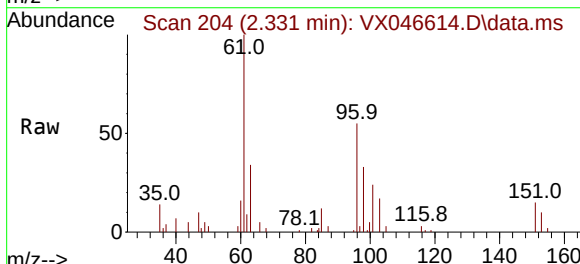
Manual Integrations
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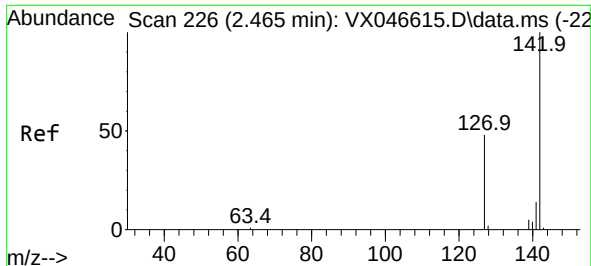
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#10
1,1-Dichloroethene
Concen: 4.171 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 96 Resp: 6274
Ion Ratio Lower Upper
96 100
61 180.2 135.1 202.7
98 58.6 49.0 73.4





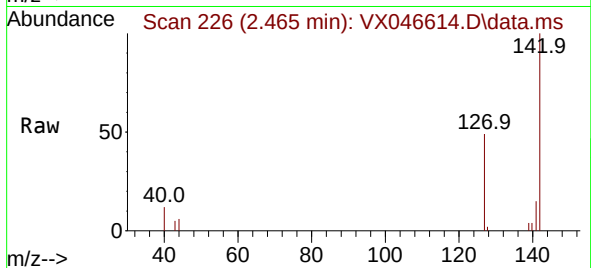
#11
Methyl Iodide
Concen: 4.351 ug/l
RT: 2.465 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



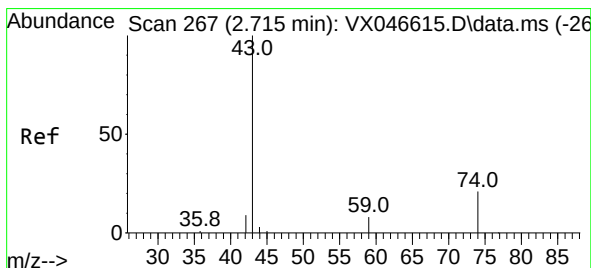
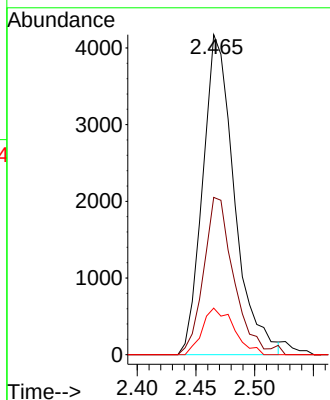
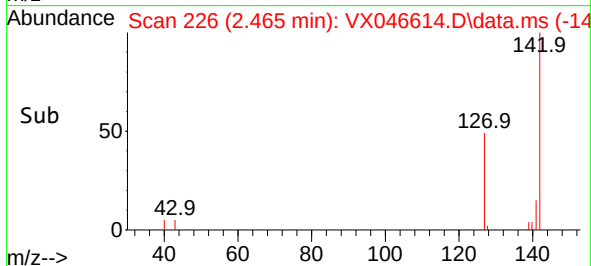
Tgt Ion:142 Resp: 7812
Ion Ratio Lower Upper
142 100
127 50.6 24.1 72.4
141 14.8 7.0 20.9

Manual Integrations

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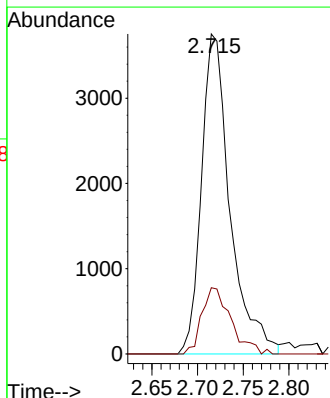
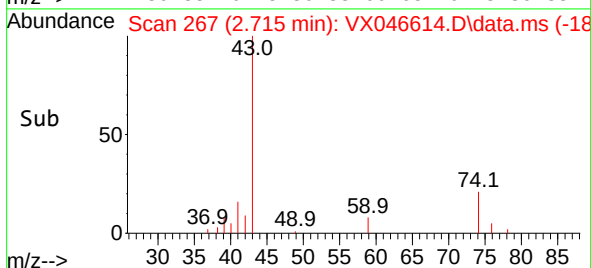
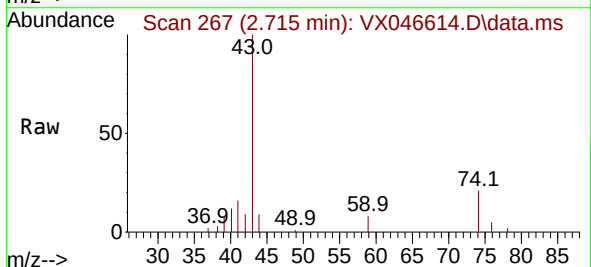
Reviewed By :John Carlone 06/11/2025

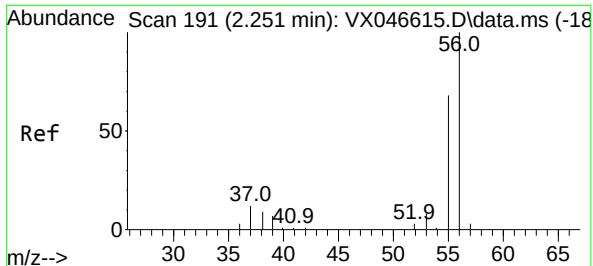
Supervised By :Mahesh Dadoda 06/11/2025



#12
Methyl Acetate
Concen: 4.326 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

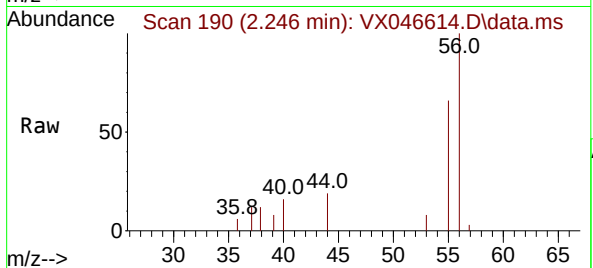
Tgt Ion: 43 Resp: 8141
Ion Ratio Lower Upper
43 100
74 21.0 17.2 25.8





#13
Acrolein
Concen: 11.944 ug/l m
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

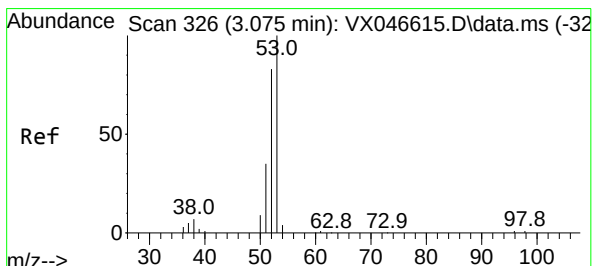
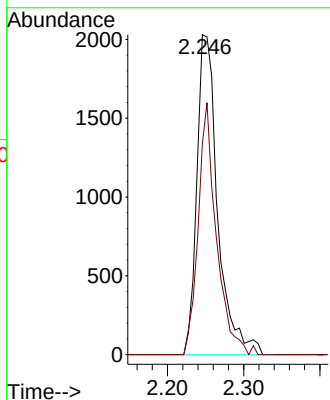
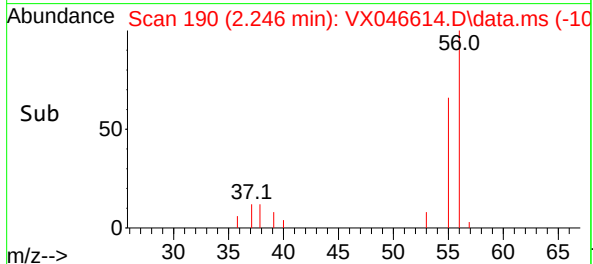
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



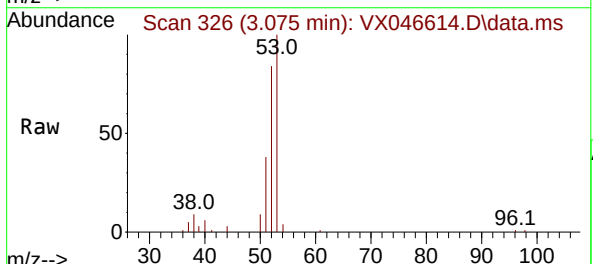
Tgt Ion: 56 Resp: 3864
Ion Ratio Lower Upper
56 100
55 68.3 56.0 84.0

Manual Integrations
APPROVED

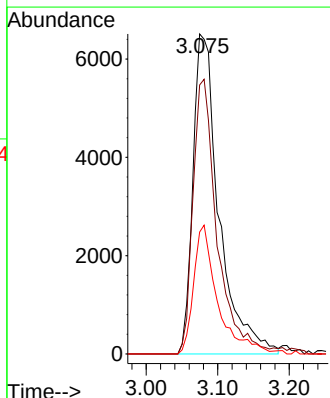
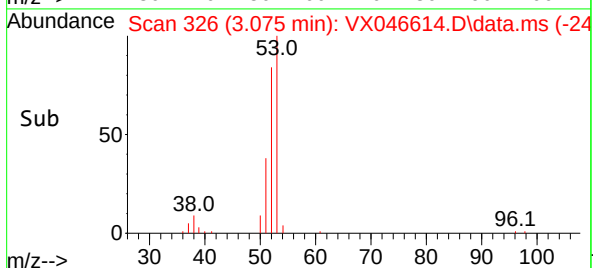
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

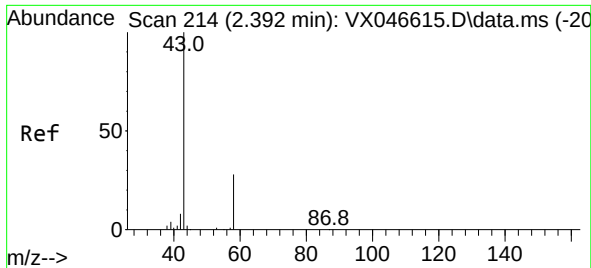


#14
Acrylonitrile
Concen: 19.615 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



Tgt Ion: 53 Resp: 16477
Ion Ratio Lower Upper
53 100
52 79.1 41.3 123.7
51 34.8 18.6 55.8





#15

Acetone

Concen: 16.008 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

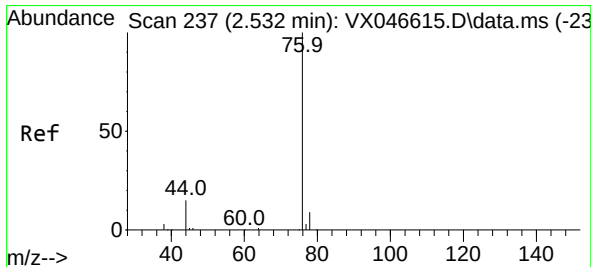
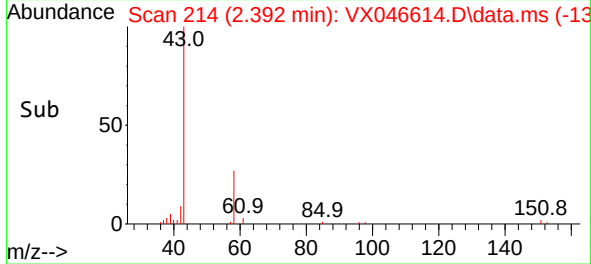
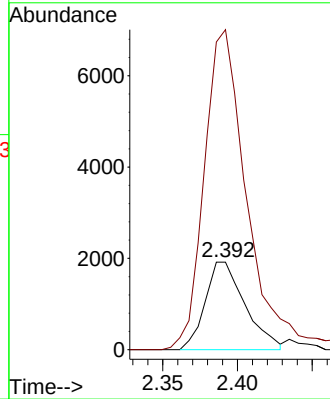
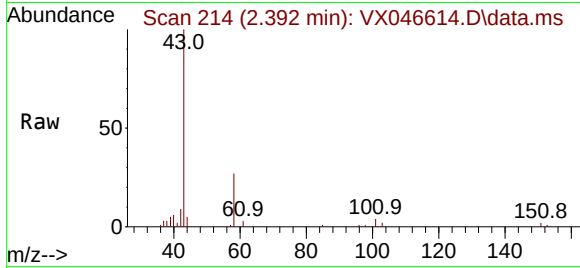
Tgt Ion: 58 Resp: 3564
 Ion Ratio Lower Upper
 58 100
 43 351.5 290.6 435.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#16

Carbon Disulfide

Concen: 3.799 ug/l

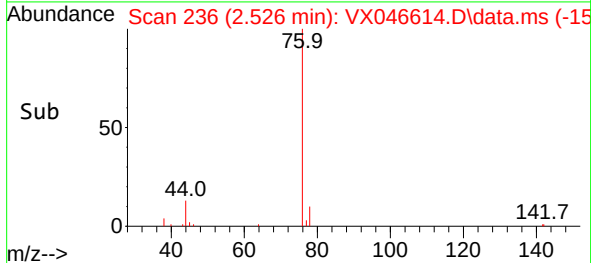
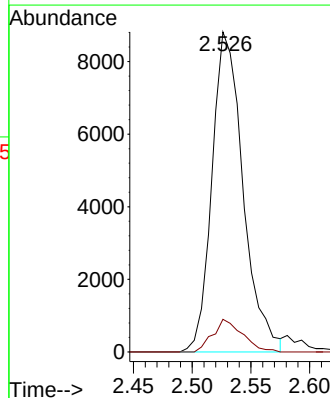
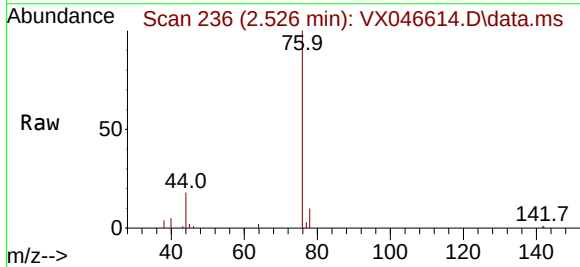
RT: 2.526 min Scan# 236

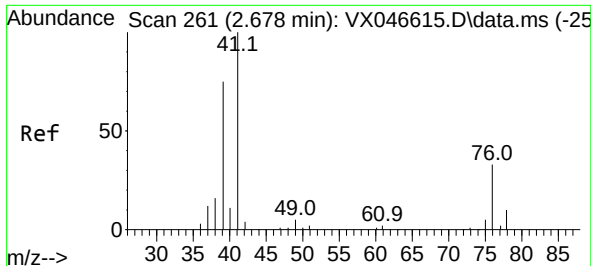
Delta R.T. -0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Tgt Ion: 76 Resp: 16246
 Ion Ratio Lower Upper
 76 100
 78 10.2 7.4 11.0





#17
 Allyl chloride
 Concen: 4.010 ug/l
 RT: 2.685 min Scan# 261
 Delta R.T. 0.006 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

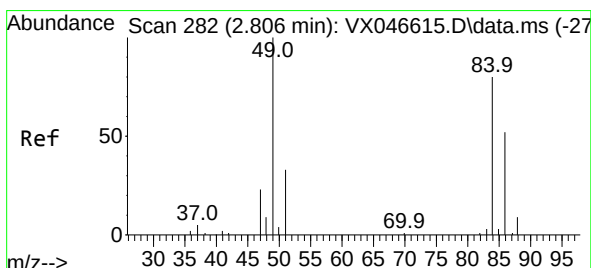
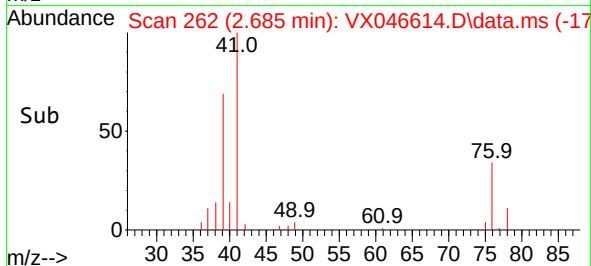
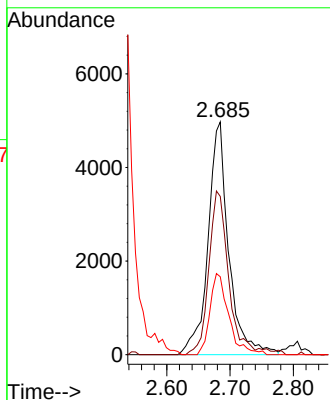
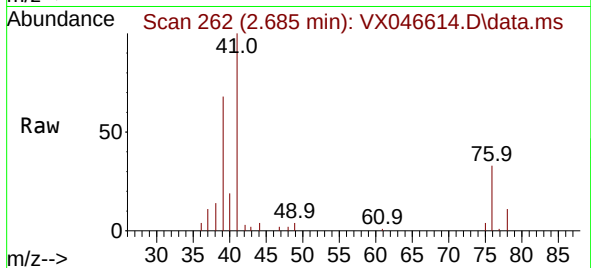
VSTDIC005

Tgt Ion: 41 Resp: 11278
 Ion Ratio Lower Upper
 41 100
 39 67.9 37.5 112.3
 76 33.4 17.4 52.3

Manual Integrations

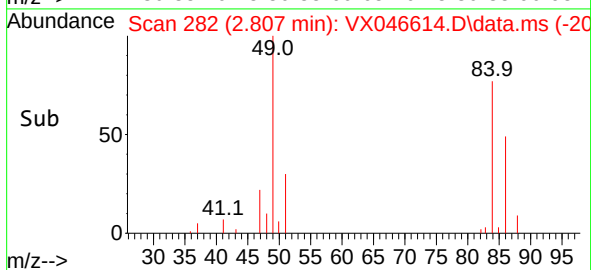
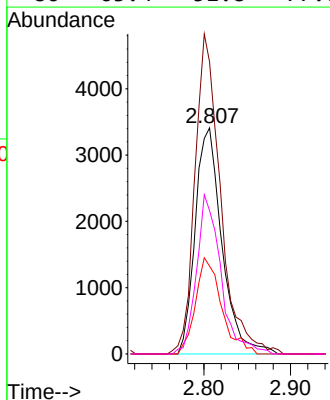
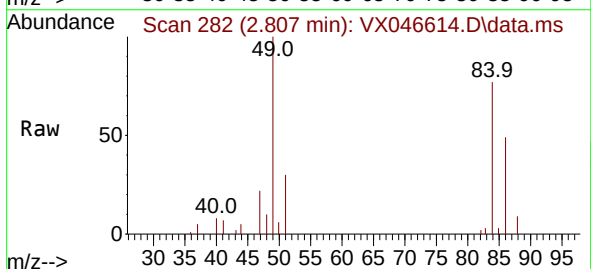
APPROVED

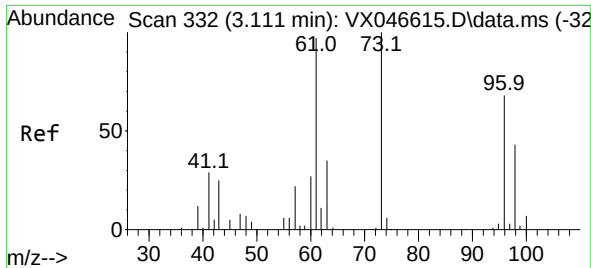
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025



#18
 Methylene Chloride
 Concen: 4.352 ug/l
 RT: 2.807 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

Tgt Ion: 84 Resp: 7325
 Ion Ratio Lower Upper
 84 100
 49 127.3 100.1 150.1
 51 38.9 33.0 49.4
 86 63.4 51.8 77.6





#19
trans-1,2-Dichloroethene
Concen: 4.296 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

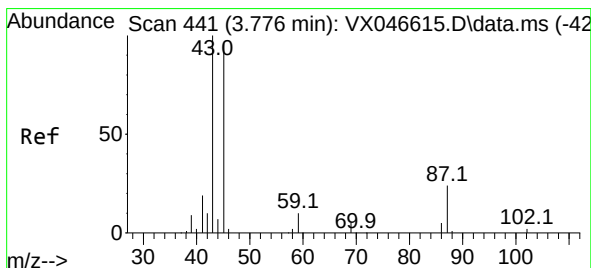
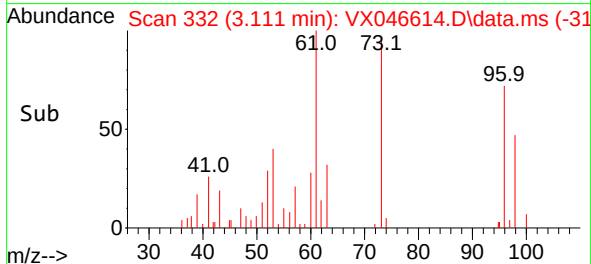
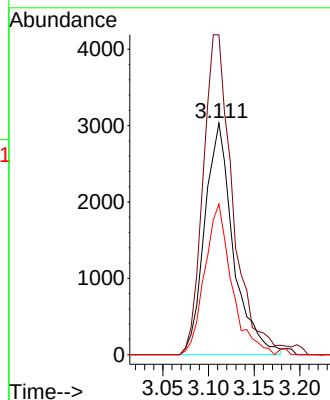
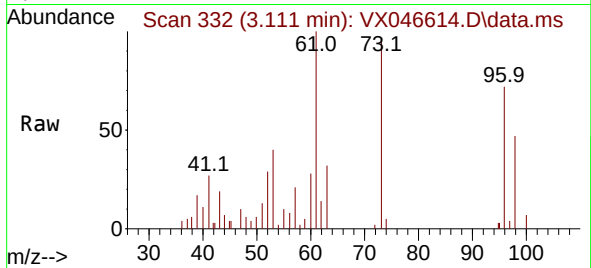
Tgt Ion: 96 Resp: 6558
Ion Ratio Lower Upper
96 100
61 138.2 114.5 171.7
98 65.0 50.2 75.4

Manual Integrations

APPROVED

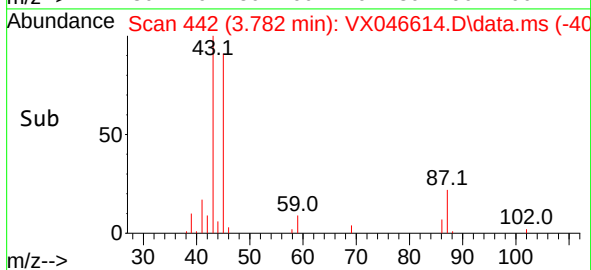
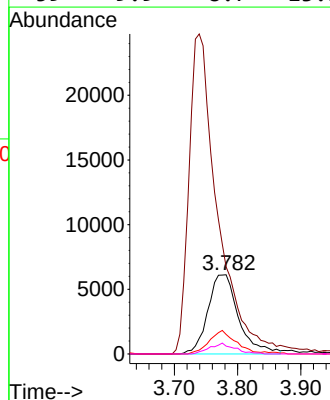
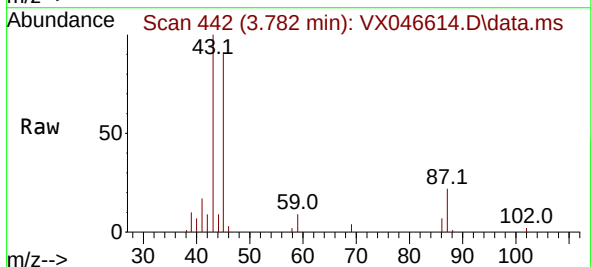
Reviewed By :John Carlone 06/11/2025

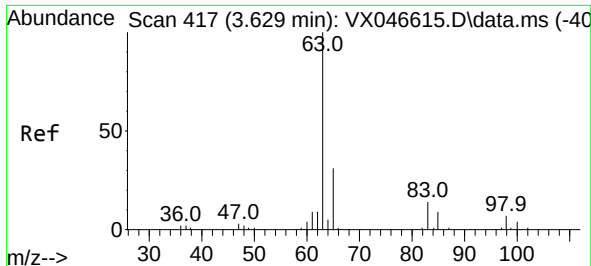
Supervised By :Mahesh Dadoda 06/11/2025



#20
Diisopropyl ether
Concen: 3.834 ug/l
RT: 3.782 min Scan# 442
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 45 Resp: 20640
Ion Ratio Lower Upper
45 100
43 98.9 83.2 124.8
87 24.7 20.2 30.4
59 9.9 8.7 13.1





#21

1,1-Dichloroethane

Concen: 4.190 ug/l

RT: 3.623 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

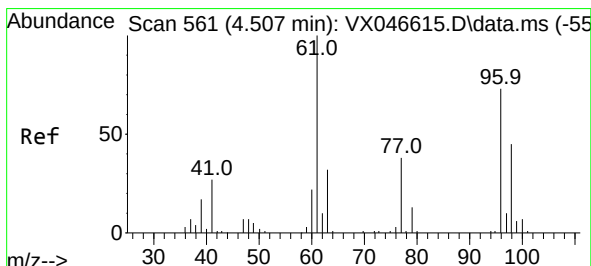
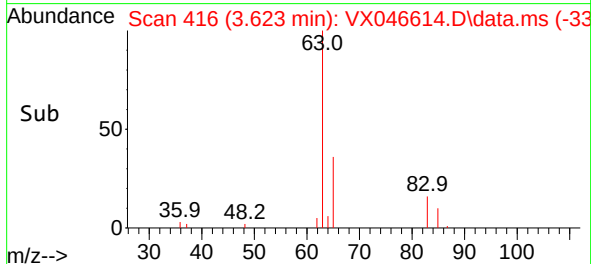
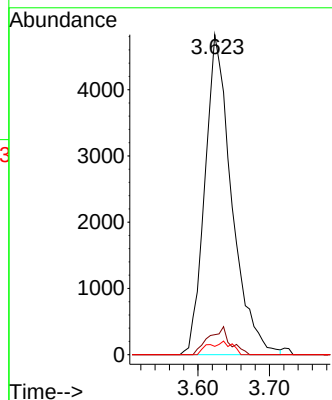
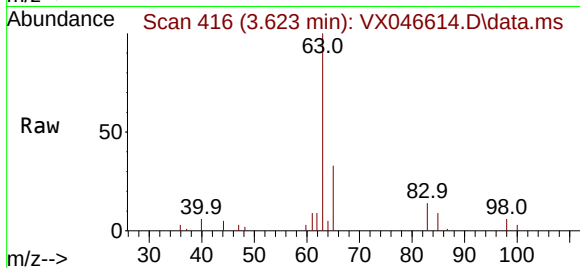
Tgt Ion: 63	Resp: 1257
Ion Ratio	Lower Upper
63 100	
98 6.3	3.6 10.8
100 2.6	1.8 5.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#22

cis-1,2-Dichloroethene

Concen: 4.085 ug/l

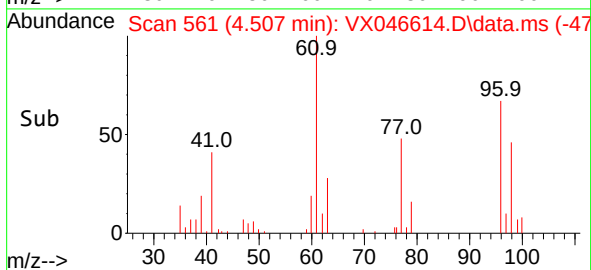
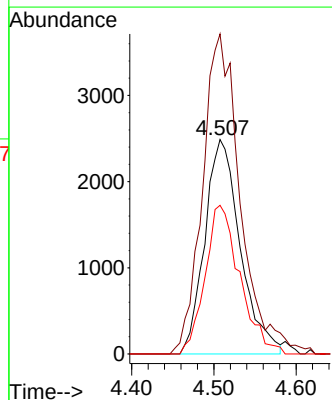
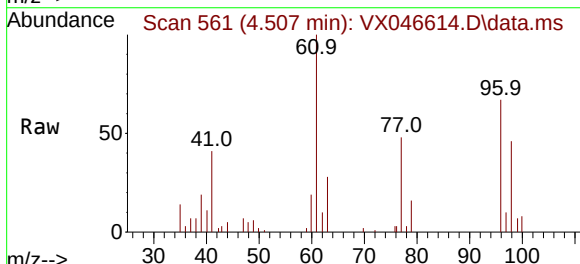
RT: 4.507 min Scan# 561

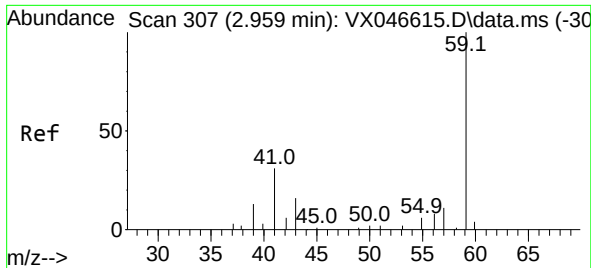
Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Tgt Ion: 96	Resp: 7461
Ion Ratio	Lower Upper
96 100	
61 152.0	118.6 177.8
98 64.4	49.6 74.4





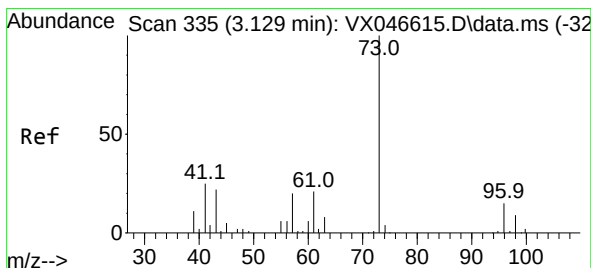
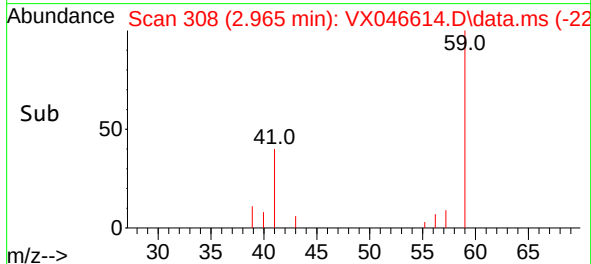
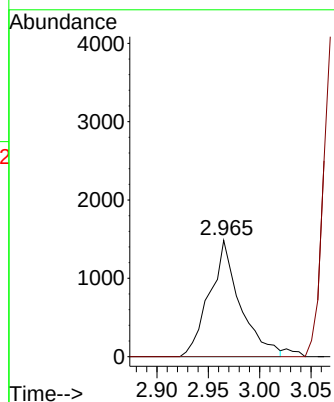
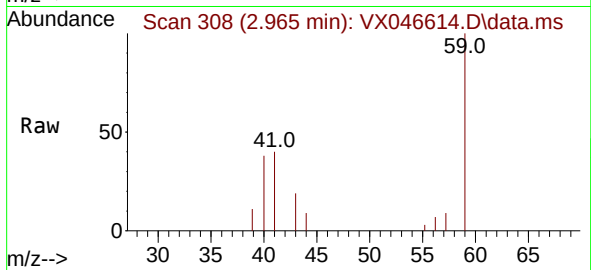
#23
tert-Butyl Alcohol
Concen: 11.259 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 3079
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

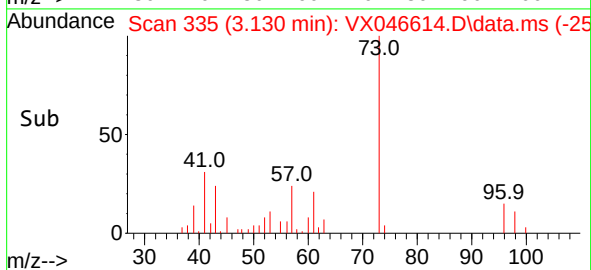
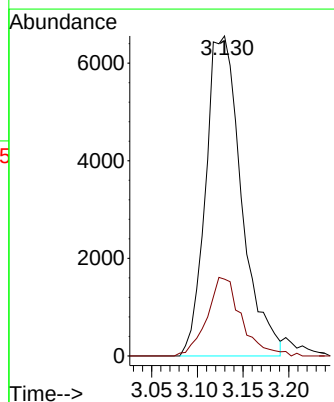
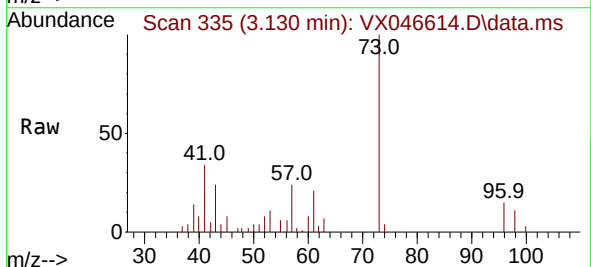
Manual Integrations
APPROVED

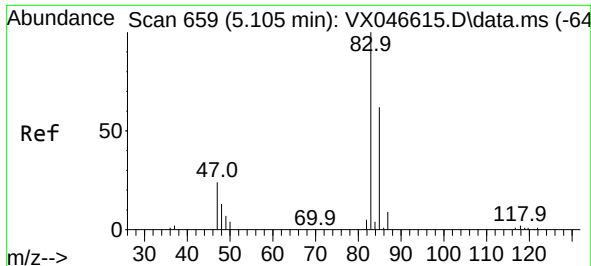
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#24
Methyl tert-Butyl Ether
Concen: 3.672 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 73 Resp: 17874
Ion Ratio Lower Upper
73 100
43 23.3 18.4 27.6





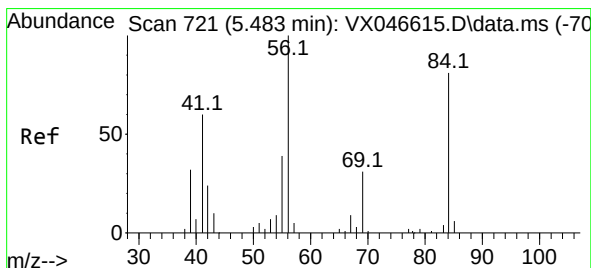
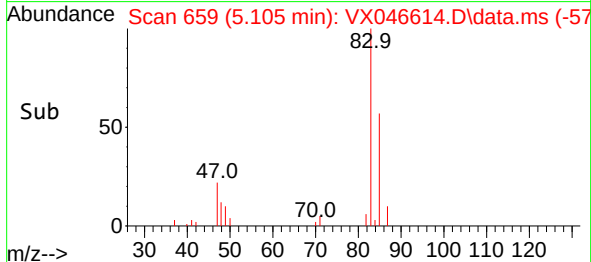
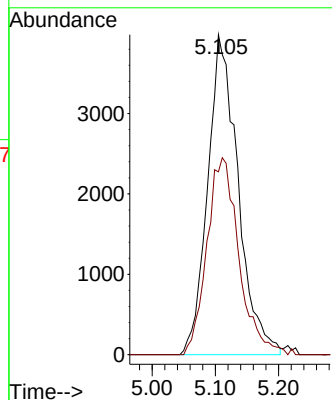
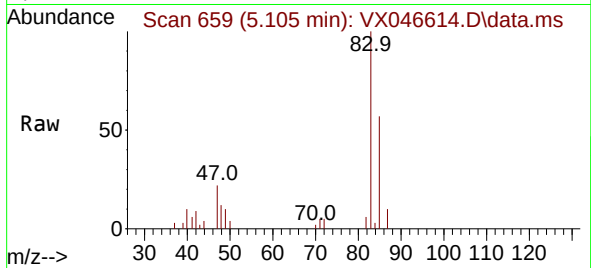
#25
Chloroform
Concen: 4.539 ug/l
RT: 5.105 min Scan# 612
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 1328
Ion Ratio Lower Upper
83 100
85 57.1 49.8 74.6

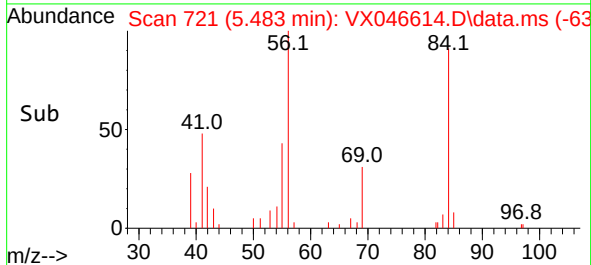
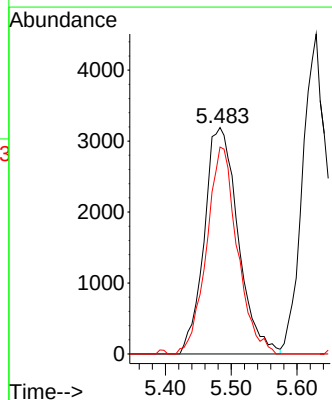
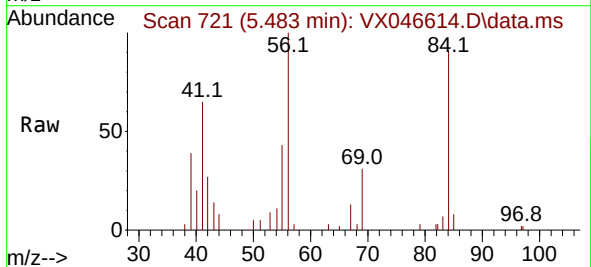
Manual Integrations
APPROVED

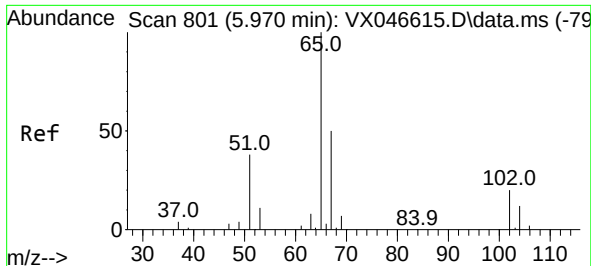
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#26
Cyclohexane
Concen: 4.131 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 56 Resp: 11414
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 81.7 67.4 101.0





#27

1,2-Dichloroethane-d4

Concen: 27.060 ug/l

RT: 5.964 min Scan# 801

Delta R.T. -0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 51840

Ion Ratio Lower Upper

65 100

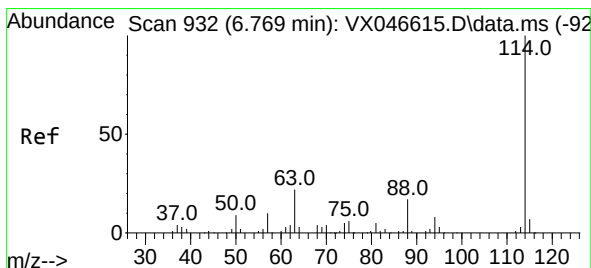
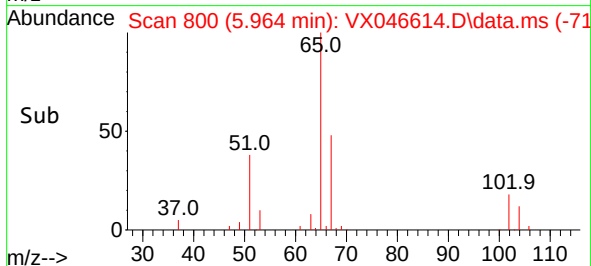
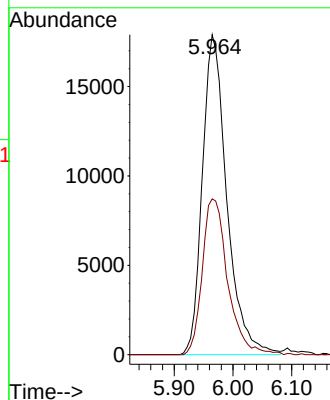
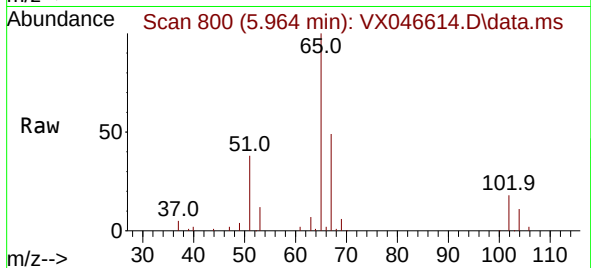
67 50.3 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

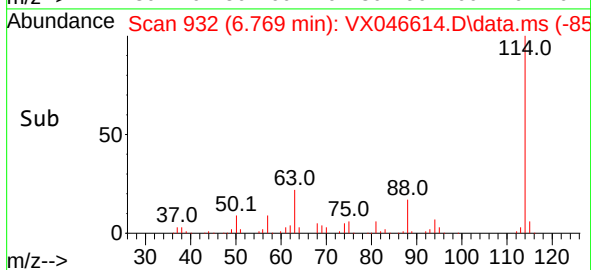
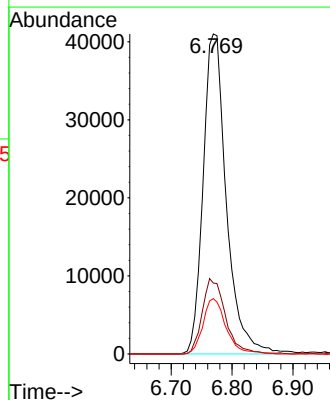
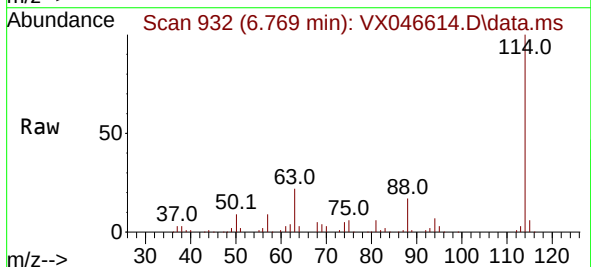
Tgt Ion:114 Resp: 108711

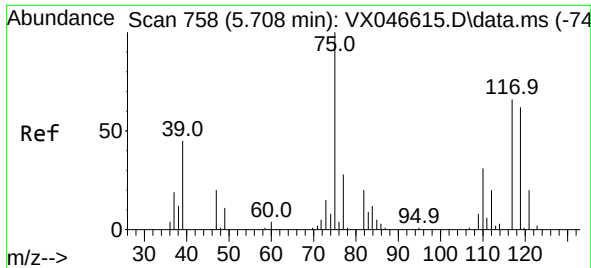
Ion Ratio Lower Upper

114 100

63 23.4 18.1 27.1

88 17.1 14.1 21.1





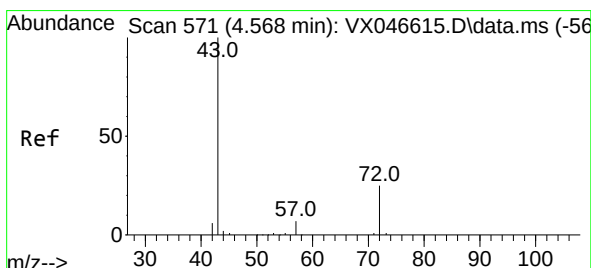
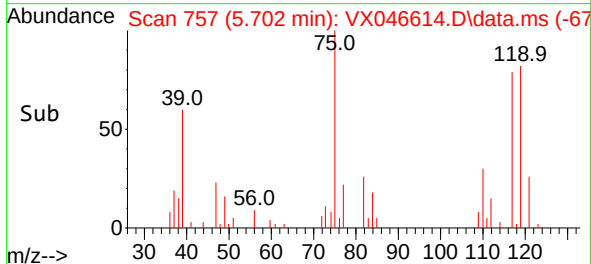
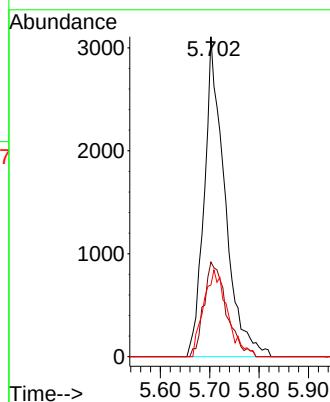
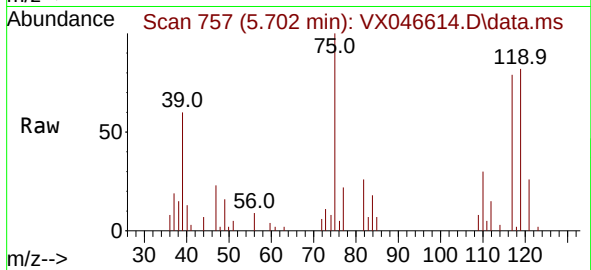
#29
1,1-Dichloropropene
Concen: 4.533 ug/l m
RT: 5.702 min Scan# 758
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 75	Resp: 899
Ion Ratio	Lower Upper
75 100	
110 31.7	0.0 65.4
77 28.8	0.0 59.8

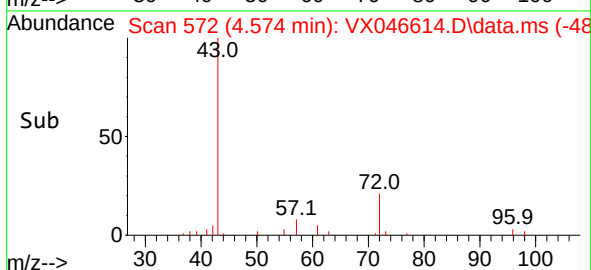
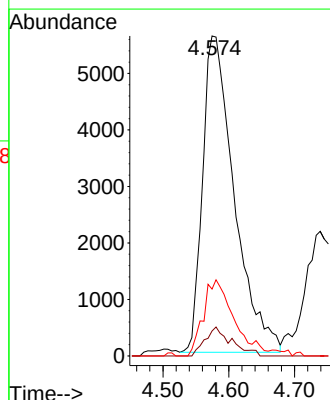
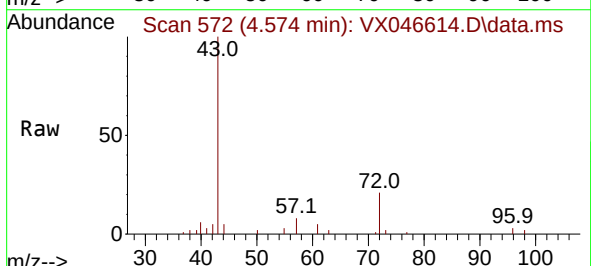
Manual Integrations
APPROVED

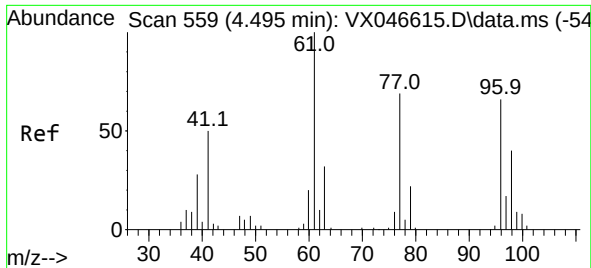
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#30
2-Butanone
Concen: 17.149 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 43	Resp: 18746
Ion Ratio	Lower Upper
43 100	
57 5.5	5.8 8.6
72 22.0	19.4 29.2





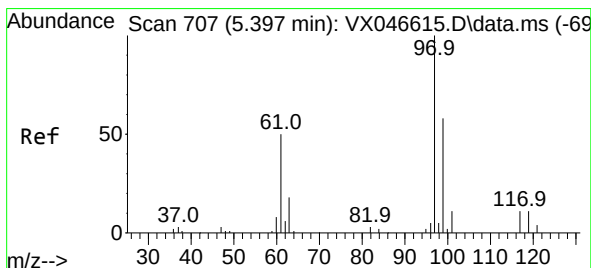
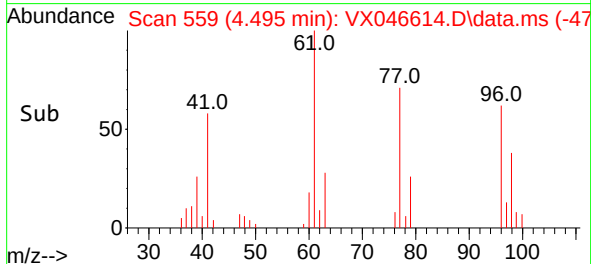
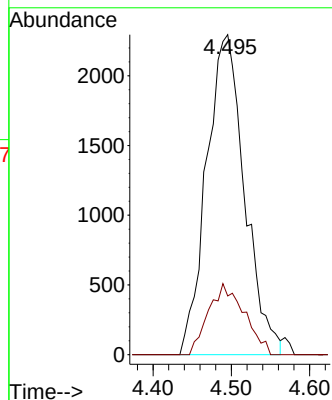
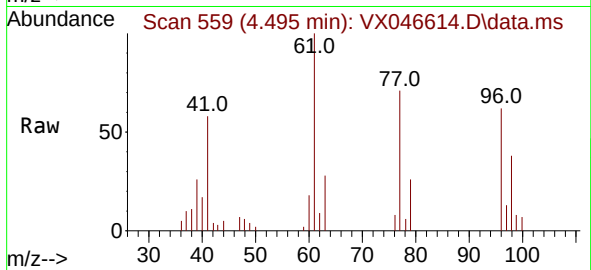
#31
2,2-Dichloropropane
Concen: 3.602 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 7750
Ion Ratio Lower Upper
77 100
97 20.8 18.6 27.8

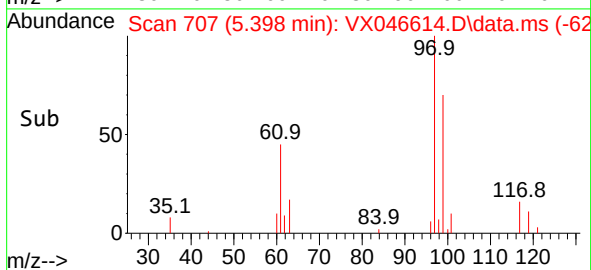
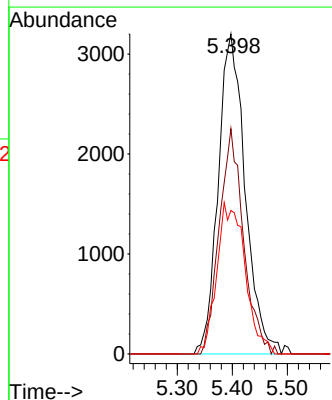
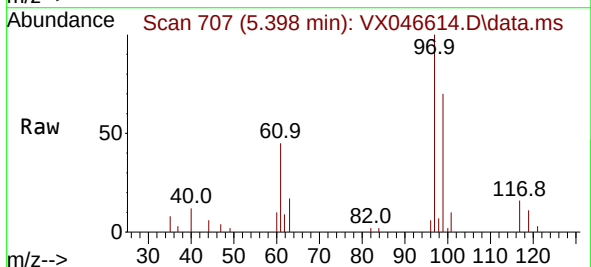
Manual Integrations
APPROVED

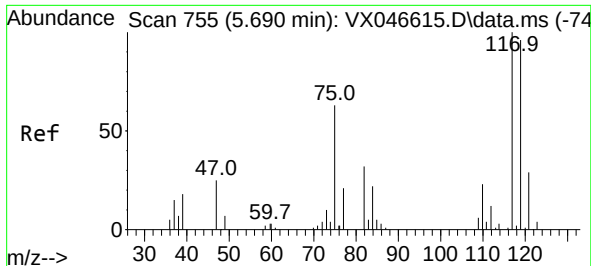
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#32
1,1,1-Trichloroethane
Concen: 4.503 ug/l m
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

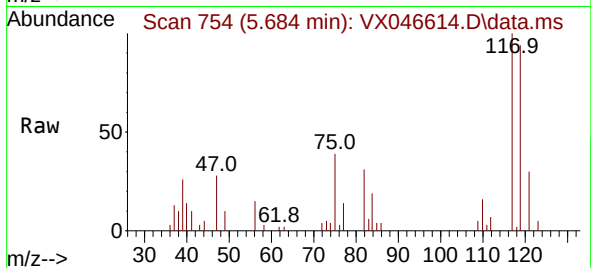
Tgt Ion: 97 Resp: 10859
Ion Ratio Lower Upper
97 100
99 0.3 51.2 76.8#
61 0.2 39.5 59.3#





#33
Carbon Tetrachloride
Concen: 4.628 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

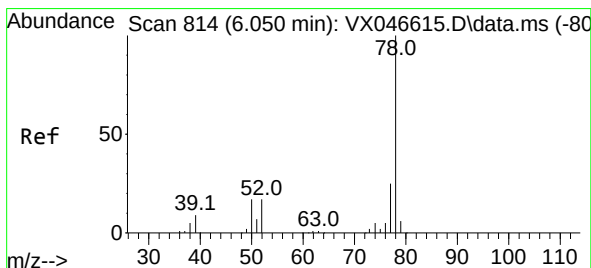
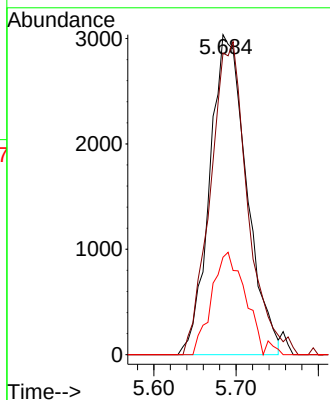
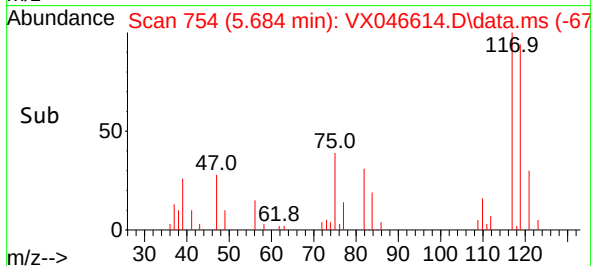
Instrument : MSVOA_X
ClientSampleId : VSTDIC005



Tgt Ion: 117 Resp: 949
Ion Ratio Lower Upper
117 100
119 94.2 77.1 115.7
121 30.5 23.2 34.8

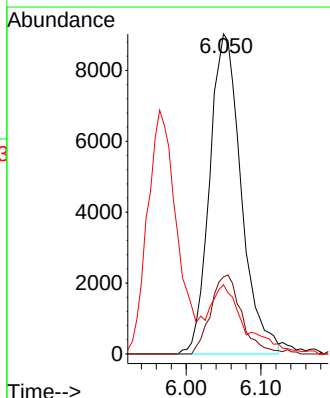
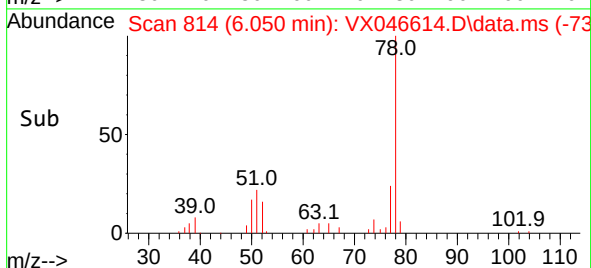
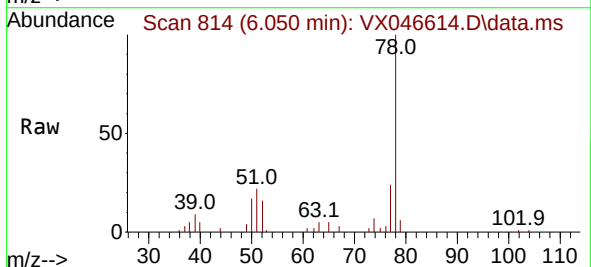
Manual Integrations
APPROVED

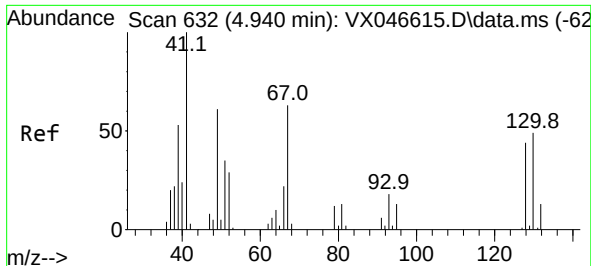
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#34
Benzene
Concen: 4.329 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 78 Resp: 26529
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.8
51 18.5 14.7 22.1





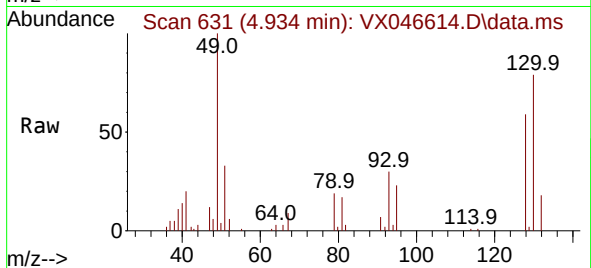
#35
Methacrylonitrile
Concen: 3.751 ug/l
RT: 4.934 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



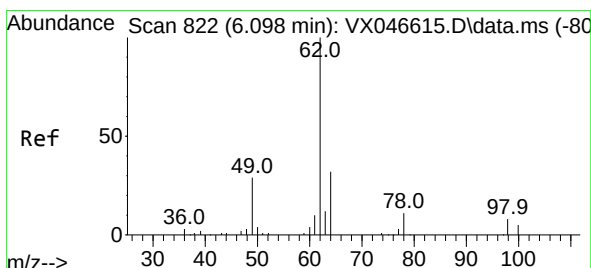
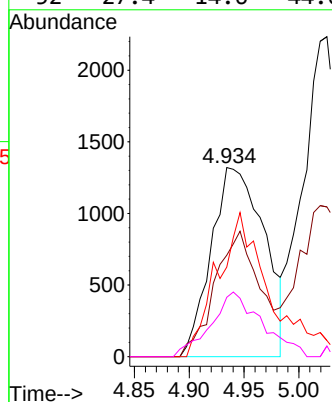
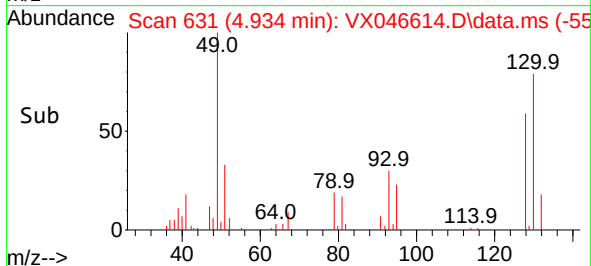
Tgt Ion: 41 Resp: 4450
Ion Ratio Lower Upper
41 100
39 53.6 26.4 79.2
67 47.4 31.4 94.3
52 27.4 14.6 44.0

Manual Integrations

APPROVED

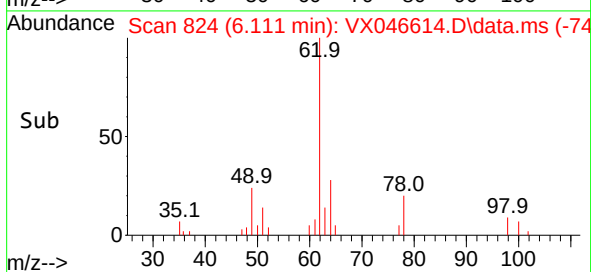
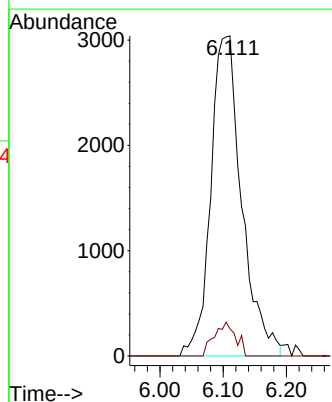
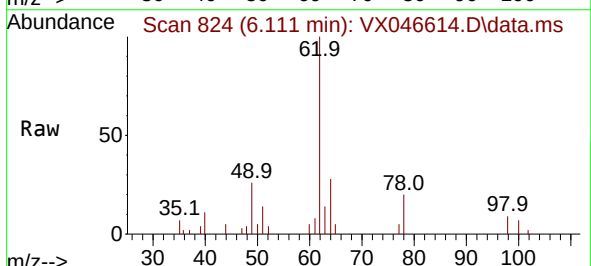
Reviewed By :John Carlone 06/11/2025

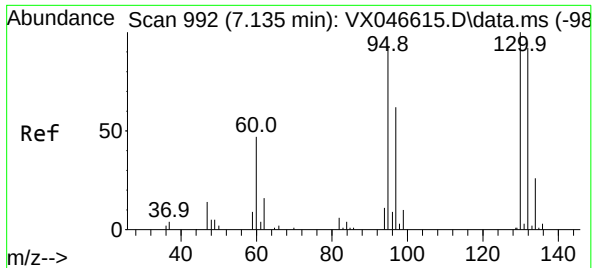
Supervised By :Mahesh Dadoda 06/11/2025



#36
1,2-Dichloroethane
Concen: 4.805 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.012 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 62 Resp: 10321
Ion Ratio Lower Upper
62 100
98 6.7 6.5 9.7





#37
Trichloroethene
Concen: 4.704 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

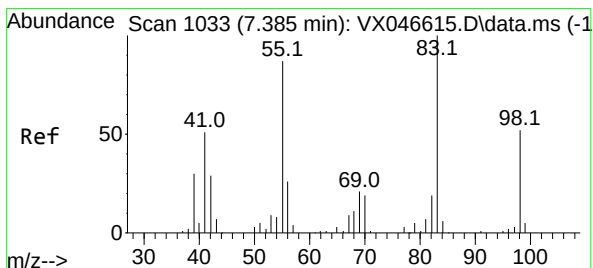
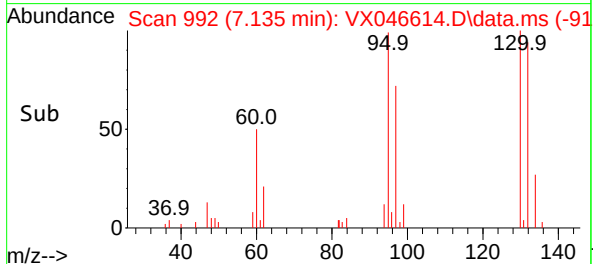
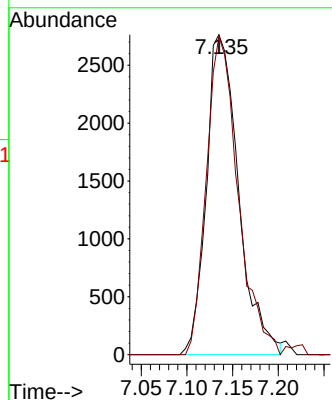
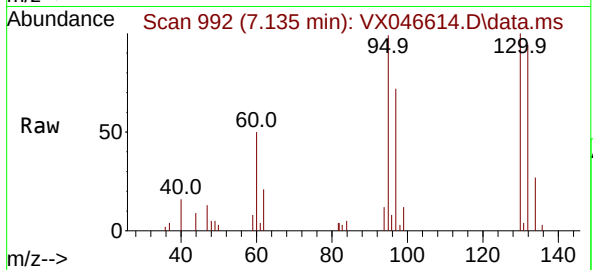
VSTDIC005

Tgt Ion:130 Resp: 678
Ion Ratio Lower Upper
130 100
95 99.4 74.7 112.1

Manual Integrations

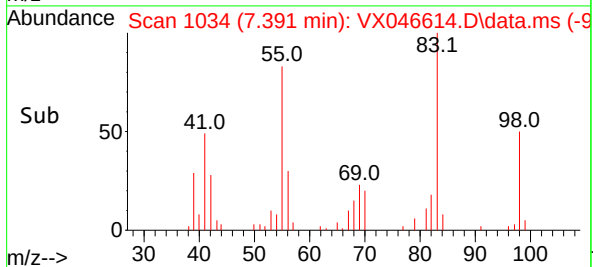
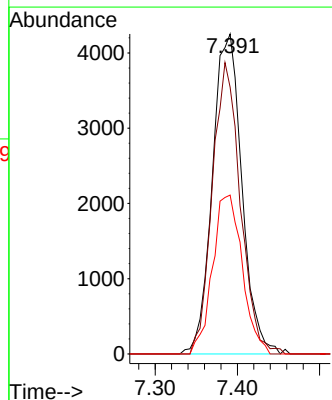
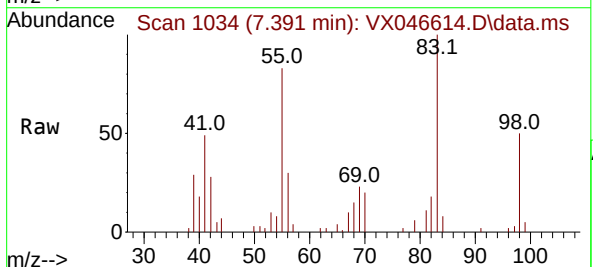
APPROVED

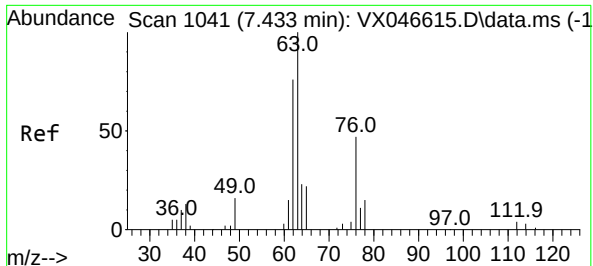
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#38
Methylcyclohexane
Concen: 4.024 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 83 Resp: 10589
Ion Ratio Lower Upper
83 100
55 86.1 42.6 128.0
98 50.1 24.8 74.3





#39

1,2-Dichloropropane

Concen: 4.306 ug/l m

RT: 7.440 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

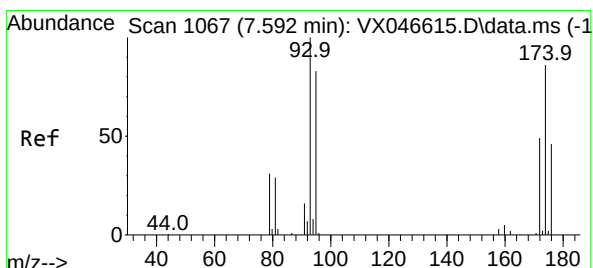
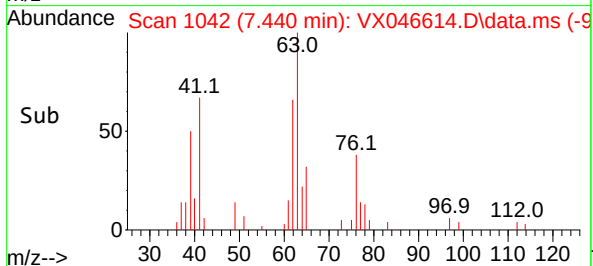
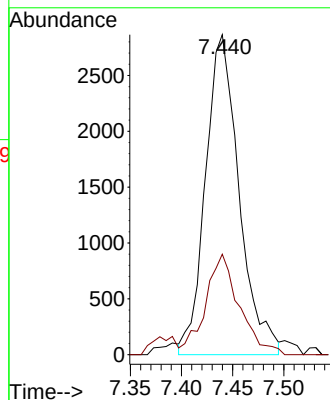
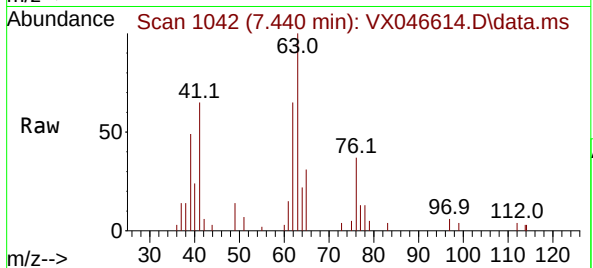
Tgt Ion: 63 Resp: 6540
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#40

Dibromomethane

Concen: 4.591 ug/l

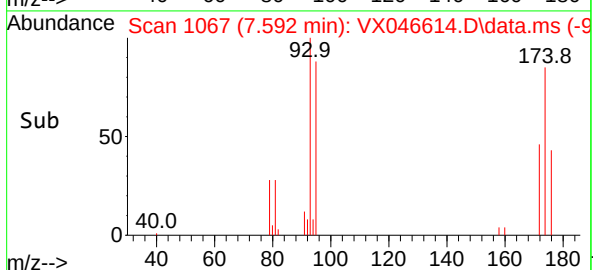
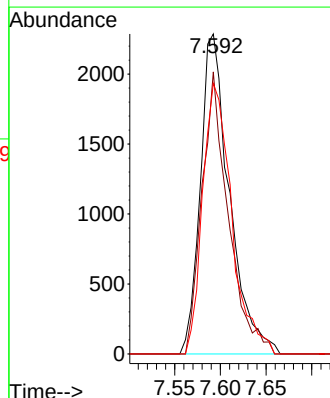
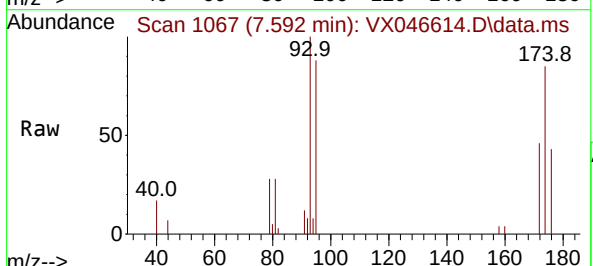
RT: 7.592 min Scan# 1067

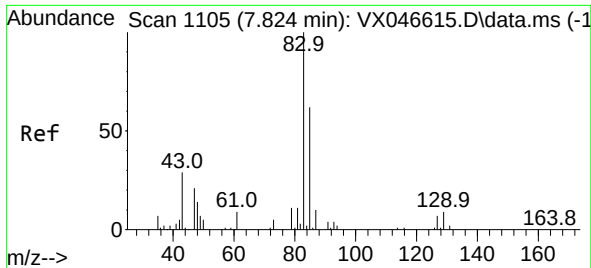
Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Tgt Ion: 93 Resp: 5059
 Ion Ratio Lower Upper
 93 100
 95 79.8 0.0 164.8
 174 84.5 0.0 176.0





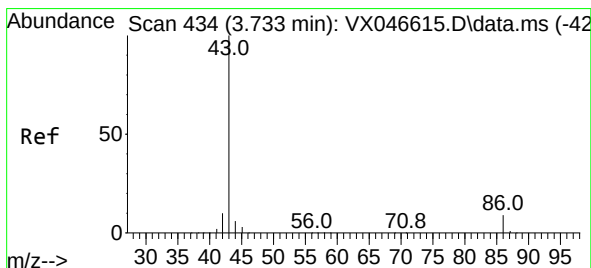
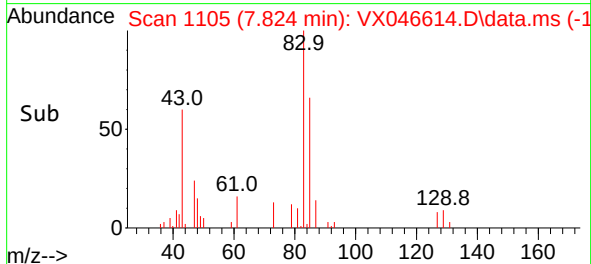
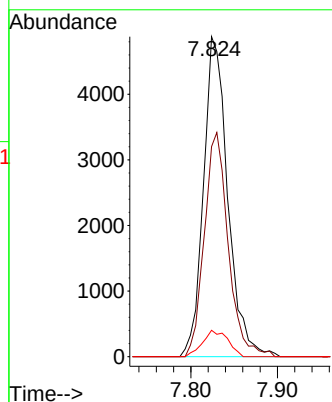
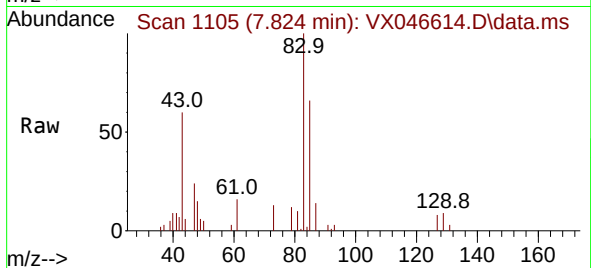
#41
Bromodichloromethane
Concen: 4.313 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 953
Ion Ratio Lower Upper
83 100
85 65.6 49.8 74.6
127 8.3 5.5 8.3

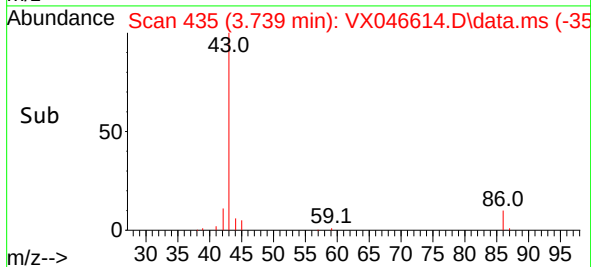
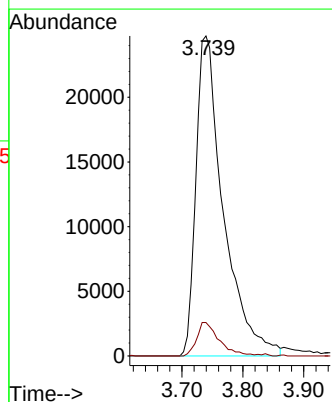
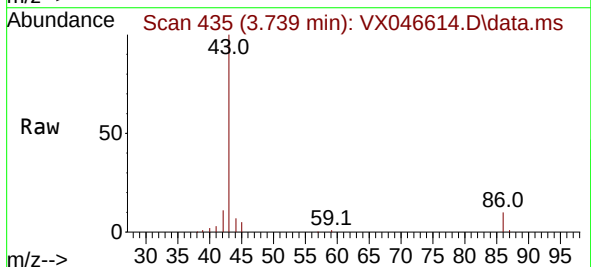
Manual Integrations
APPROVED

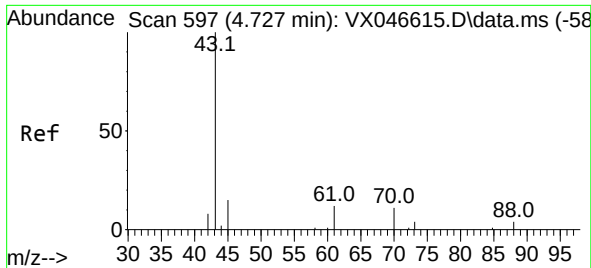
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#42
Vinyl Acetate
Concen: 18.221 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 43 Resp: 77412
Ion Ratio Lower Upper
43 100
86 8.7 6.4 9.6





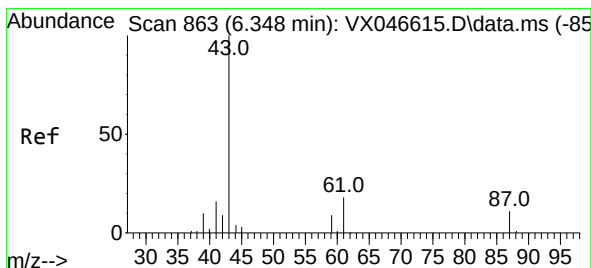
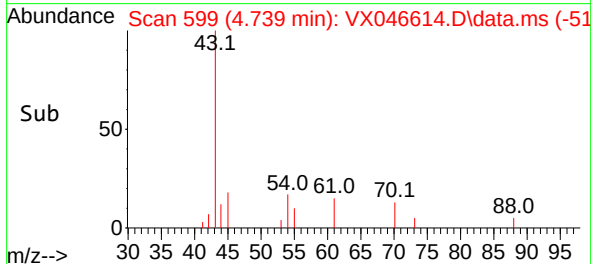
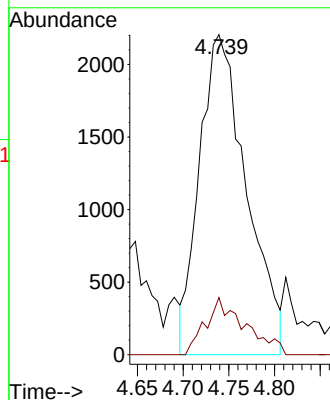
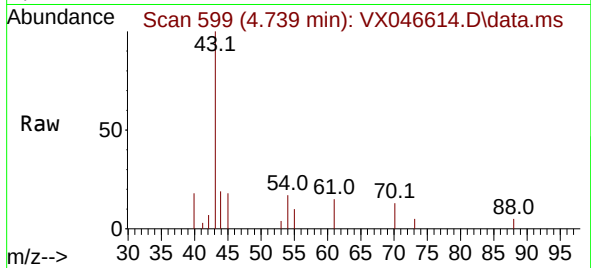
#43
Ethyl Acetate
Concen: 3.772 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
45 7.3 7.9 11.9

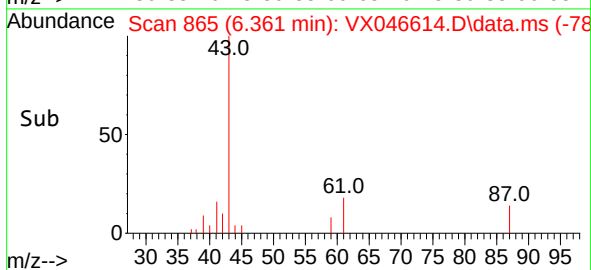
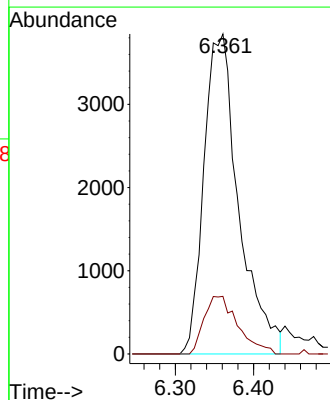
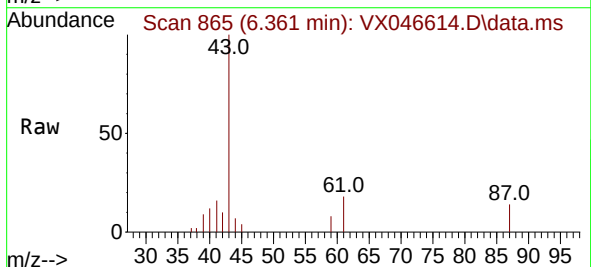
Manual Integrations
APPROVED

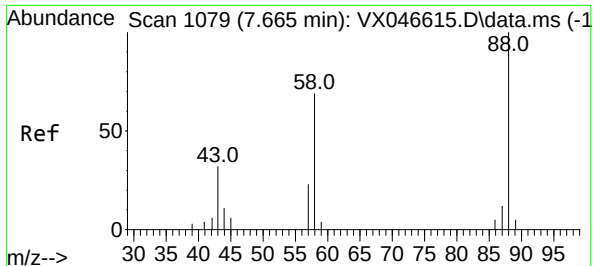
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#44
Isopropyl Acetate
Concen: 3.470 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.012 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

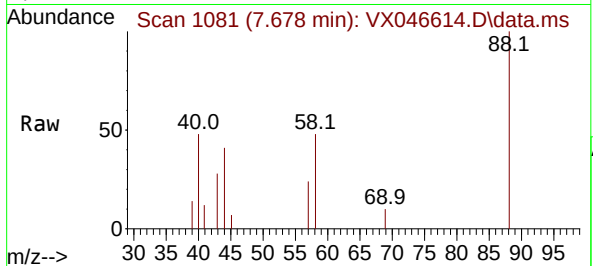
Tgt Ion: 43 Resp: 11865
Ion Ratio Lower Upper
43 100
61 17.6 15.0 22.4





#45
1,4-Dioxane
Concen: 47.827 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

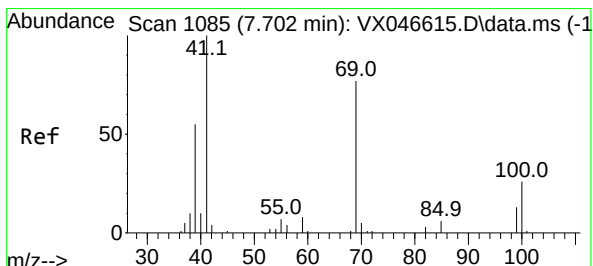
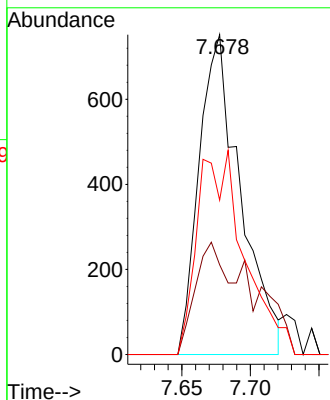
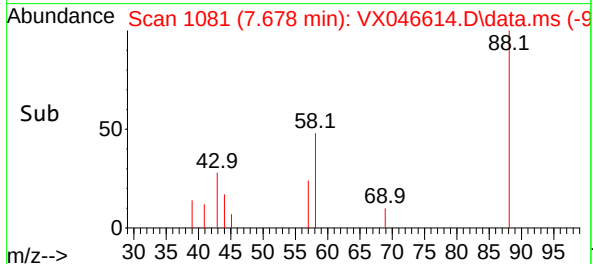
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 25.4 21.6 32.4
58 37.0 60.8 91.2

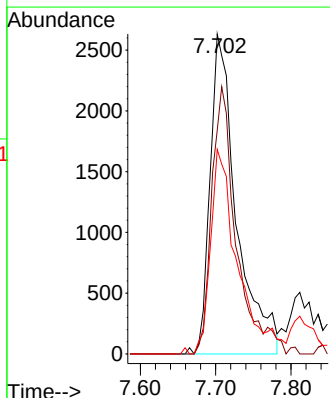
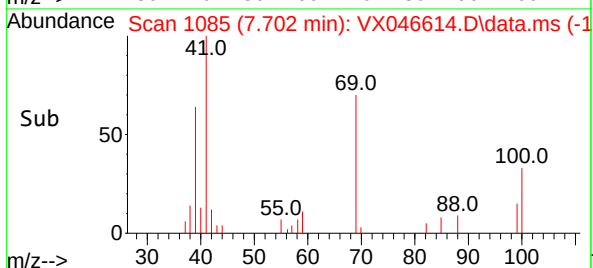
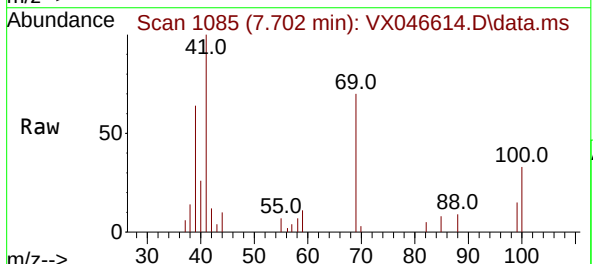
Manual Integrations
APPROVED

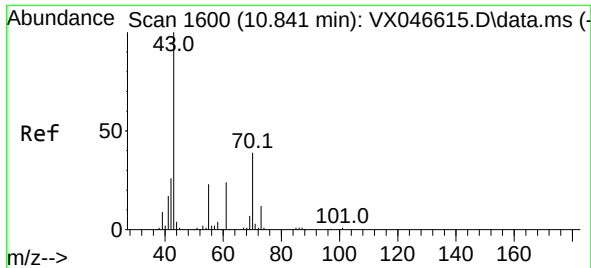
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#46
Methyl methacrylate
Concen: 3.745 ug/l m
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

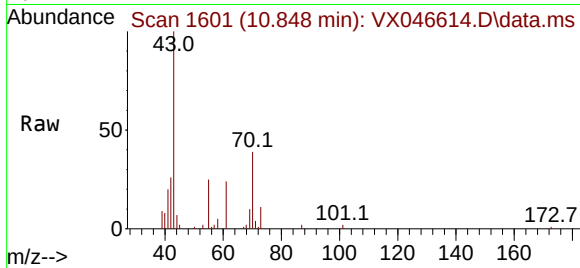
Tgt Ion: 41 Resp: 6418
Ion Ratio Lower Upper
41 100
69 69.9 38.7 116.1
39 63.9 27.7 83.1





#47
n-amy1 Acetate
Concen: 3.541 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

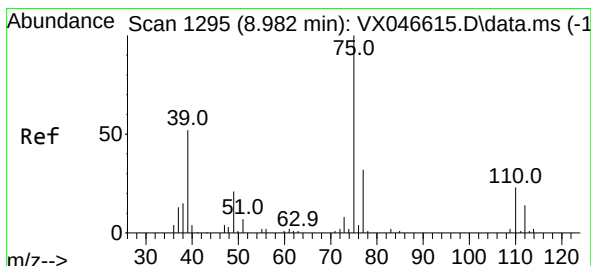
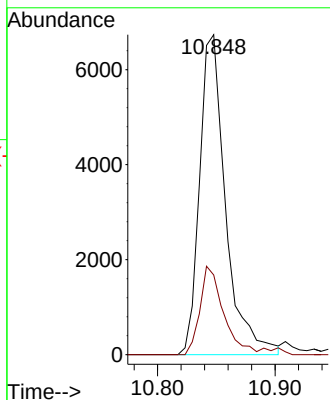
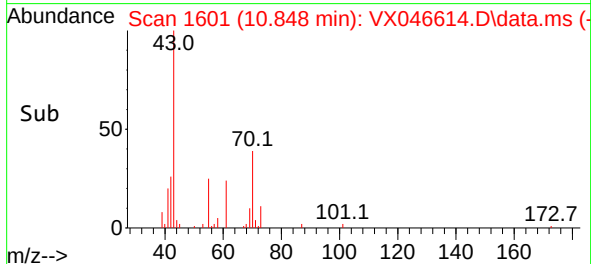
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 10344
Ion Ratio Lower Upper
43 100
55 25.0 19.4 29.2

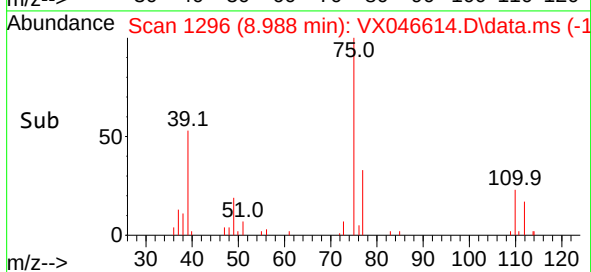
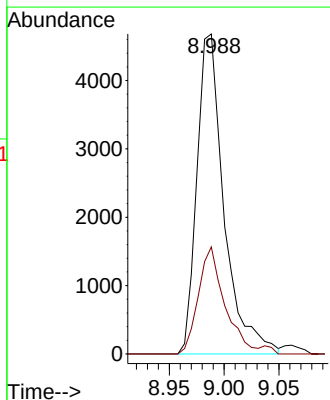
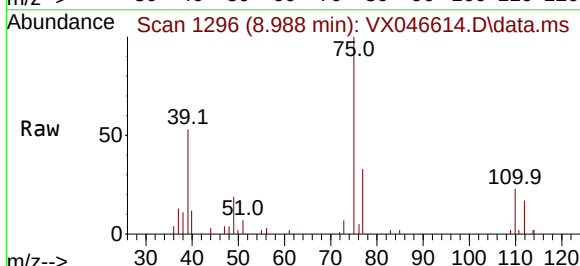
Manual Integrations
APPROVED

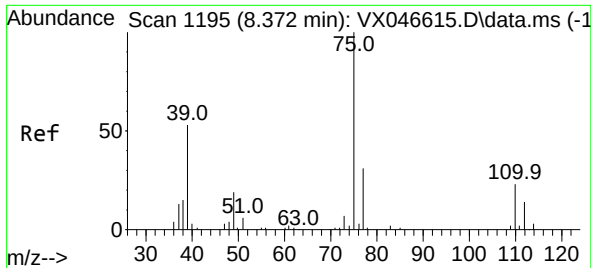
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#48
t-1,3-Dichloropropene
Concen: 3.828 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 75 Resp: 8052
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 3.855 ug/l
 RT: 8.373 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

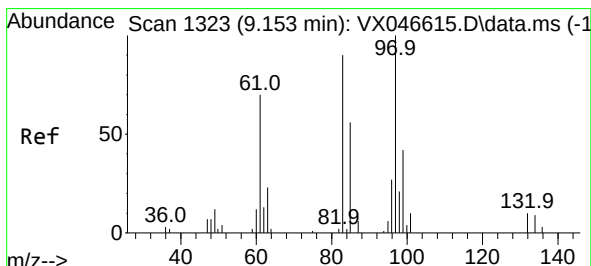
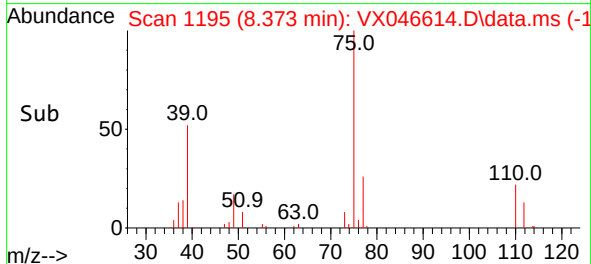
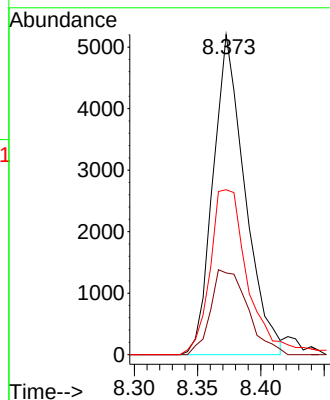
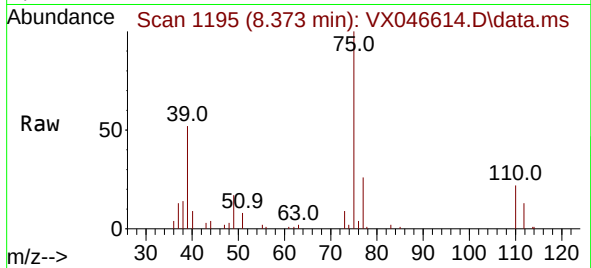
VSTDIC005

Tgt Ion: 75 Resp: 910
 Ion Ratio Lower Upper
 75 100
 77 25.5 24.6 36.8
 39 51.6 42.7 64.1

Manual Integrations

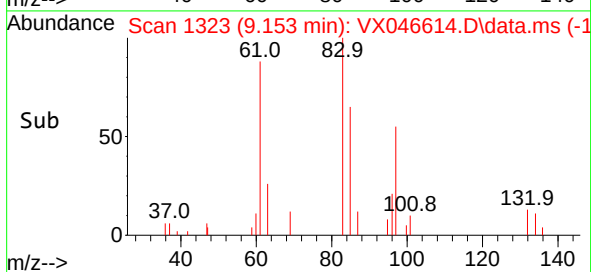
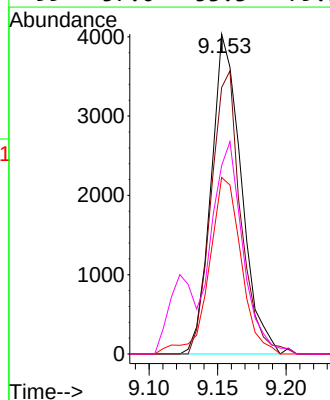
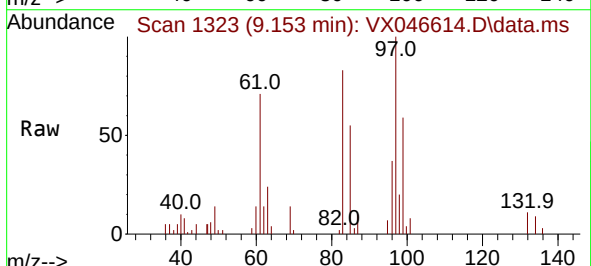
APPROVED

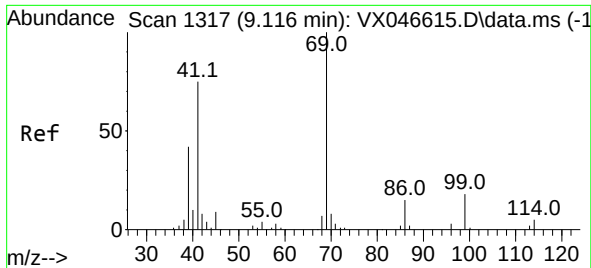
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.347 ug/l
 RT: 9.153 min Scan# 1323
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

Tgt Ion: 97 Resp: 6180
 Ion Ratio Lower Upper
 97 100
 83 83.3 72.1 108.1
 85 55.1 47.5 71.3
 99 57.0 53.3 79.9





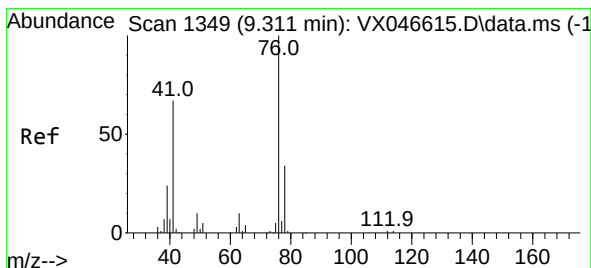
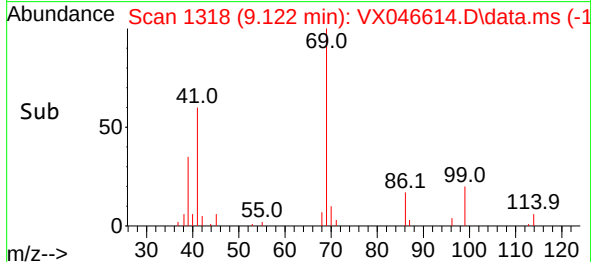
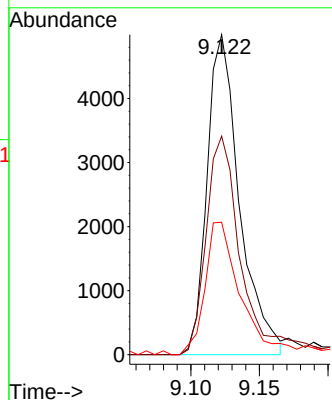
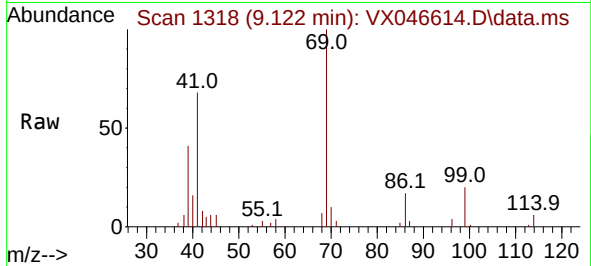
#51
Ethyl methacrylate
Concen: 3.665 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 69 Resp: 8230
Ion Ratio Lower Upper
69 100
41 68.3 37.4 112.2
39 41.4 20.8 62.5

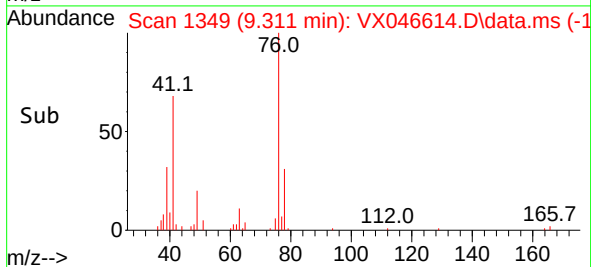
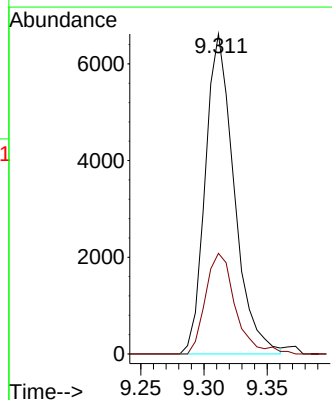
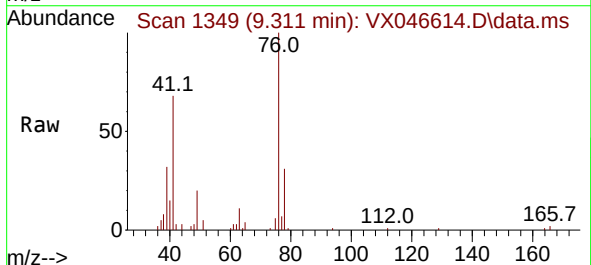
Manual Integrations
APPROVED

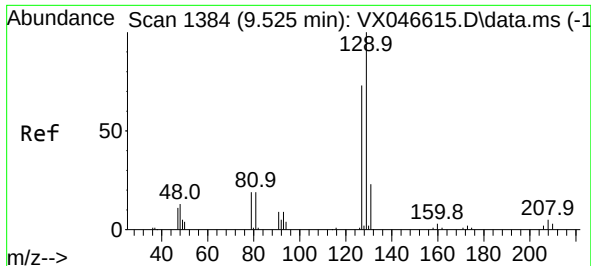
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#52
1,3-Dichloropropane
Concen: 4.209 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

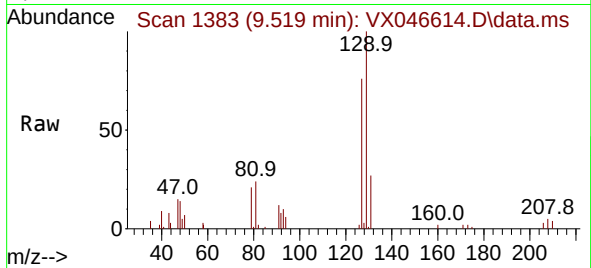
Tgt Ion: 76 Resp: 10513
Ion Ratio Lower Upper
76 100
78 31.6 0.0 62.6





#53
Dibromochloromethane
Concen: 4.264 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

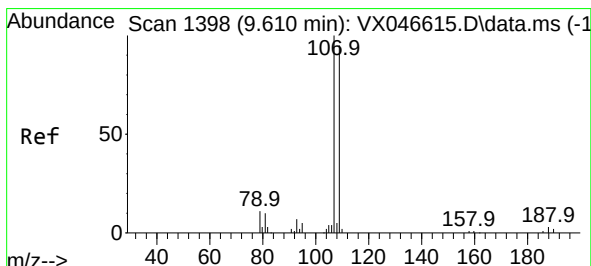
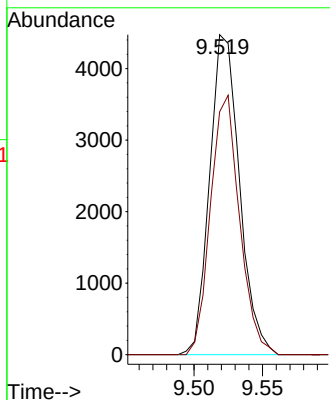
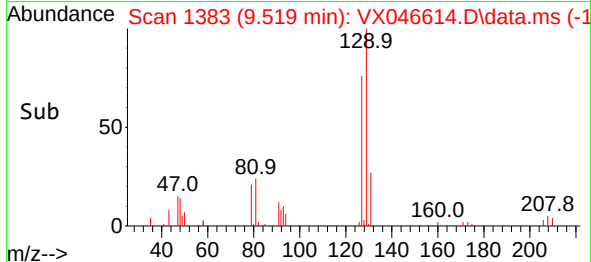
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



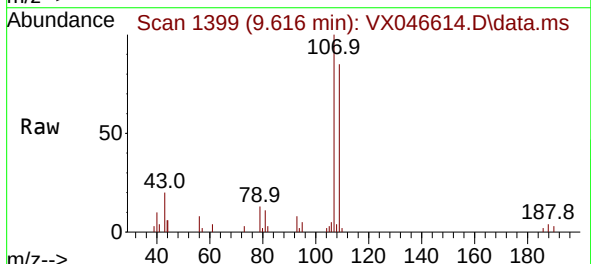
Tgt Ion:129 Resp: 679
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.9

Manual Integrations
APPROVED

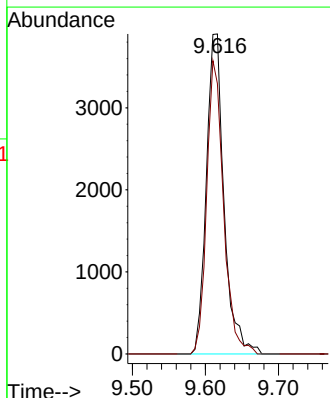
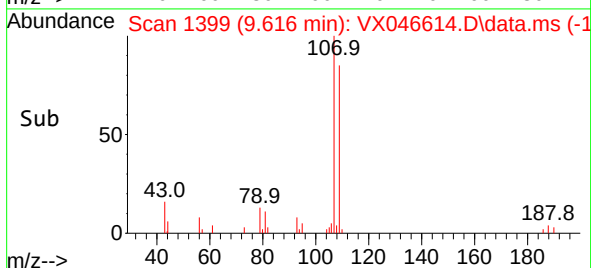
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

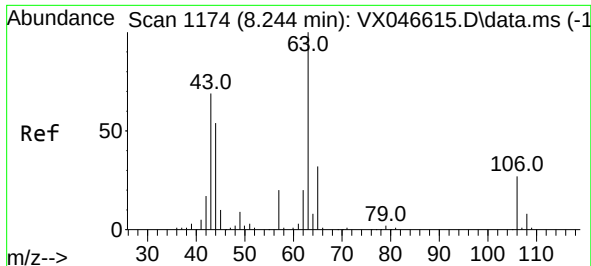


#54
1,2-Dibromoethane
Concen: 4.514 ug/l m
RT: 9.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



Tgt Ion:107 Resp: 6561
Ion Ratio Lower Upper
107 100
109 87.4 75.8 113.8





#55

2-Chloroethyl vinyl ether

Concen: 19.690 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

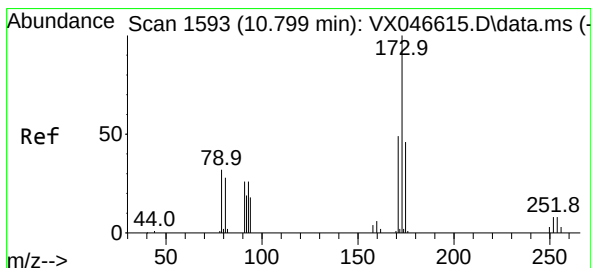
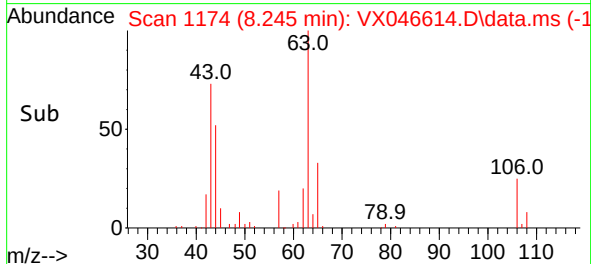
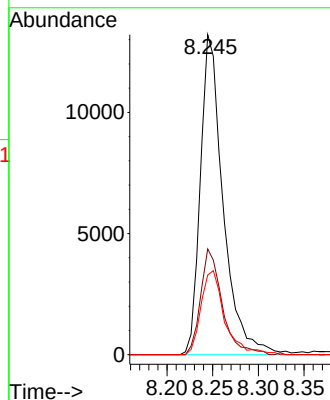
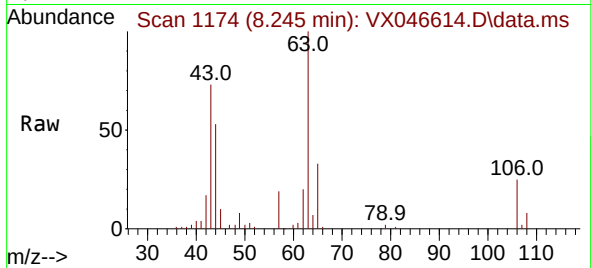
Tgt Ion:	63	Resp:	2280
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.2	37.8
106	26.2	21.8	32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#56

Bromoform

Concen: 4.083 ug/l

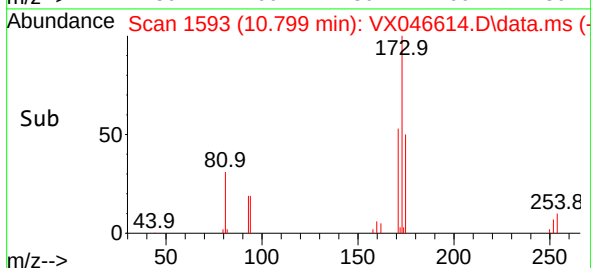
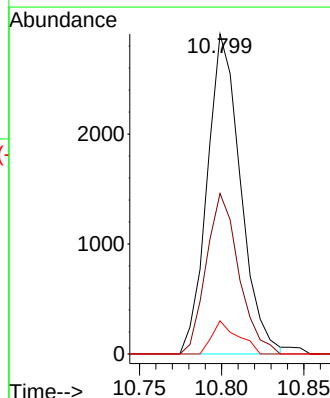
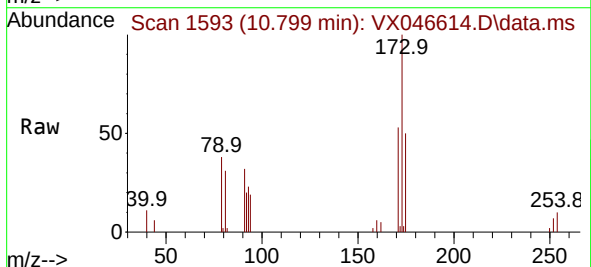
RT: 10.799 min Scan# 1593

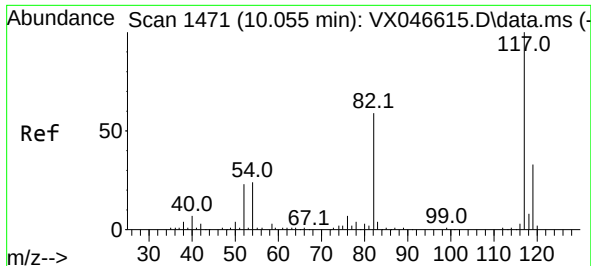
Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

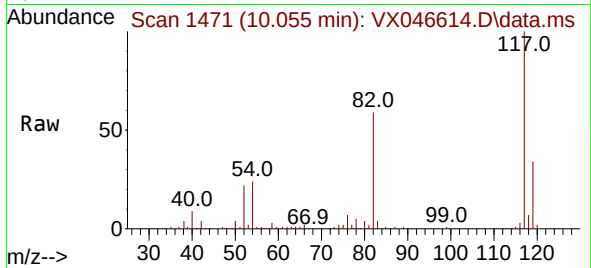
Tgt Ion:	173	Resp:	4103
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.0	57.0
254	8.1	6.7	10.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

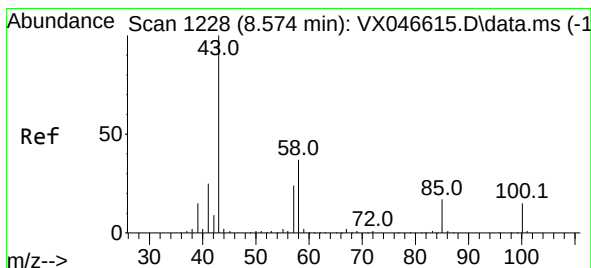
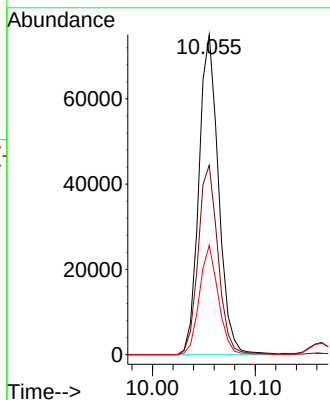
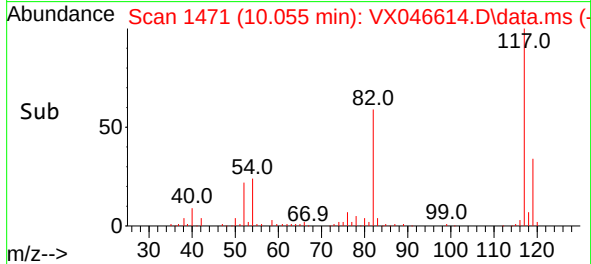
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 100050
Ion Ratio Lower Upper
117 100
82 59.9 46.5 69.7
119 32.8 25.8 38.6

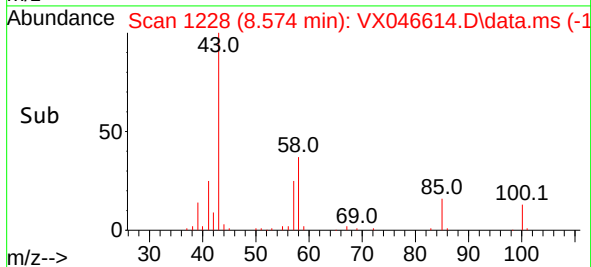
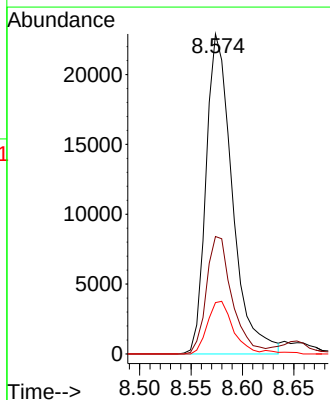
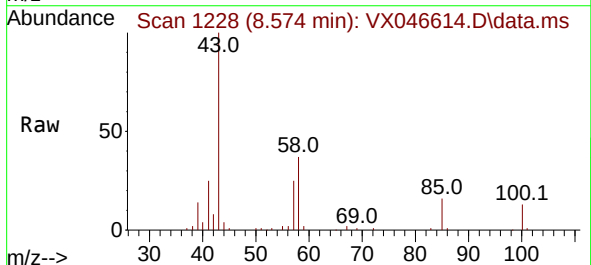
Manual Integrations
APPROVED

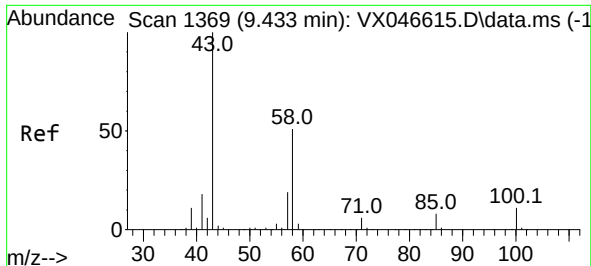
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#58
4-Methyl-2-Pentanone
Concen: 18.799 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 43 Resp: 40811
Ion Ratio Lower Upper
43 100
58 35.9 29.4 44.2
85 15.9 13.3 19.9





#59

2-Hexanone

Concen: 17.430 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

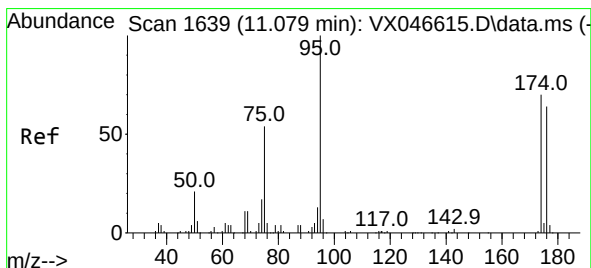
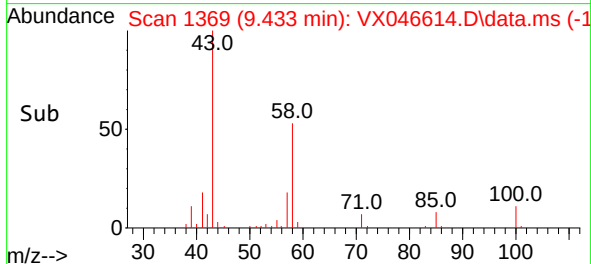
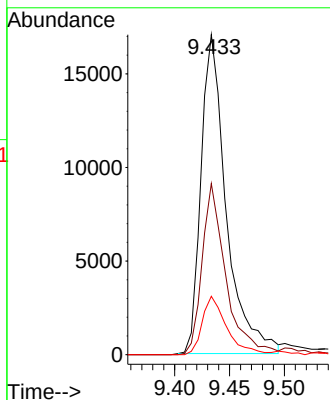
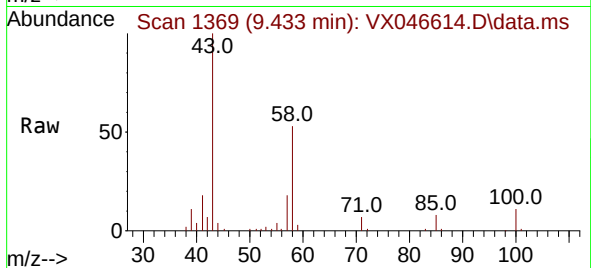
Tgt Ion:	43	Resp:	27294
Ion	Ratio	Lower	Upper
43	100		
58	50.5	39.8	59.8
57	17.6	14.5	21.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#60

4-Bromofluorobenzene

Concen: 28.084 ug/l

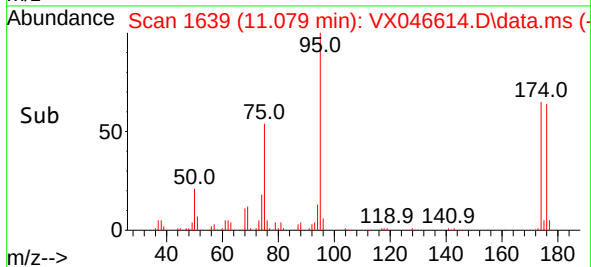
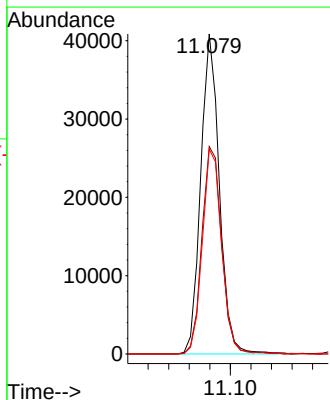
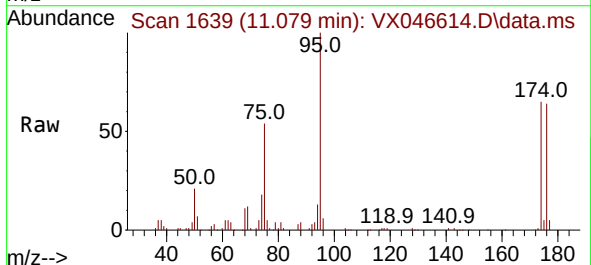
RT: 11.079 min Scan# 1639

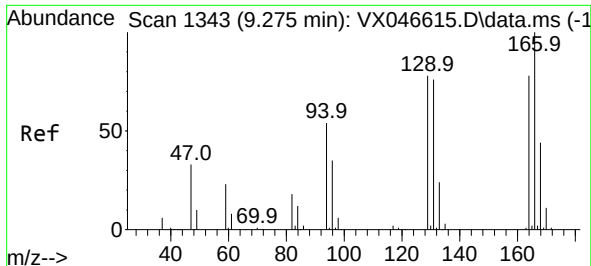
Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

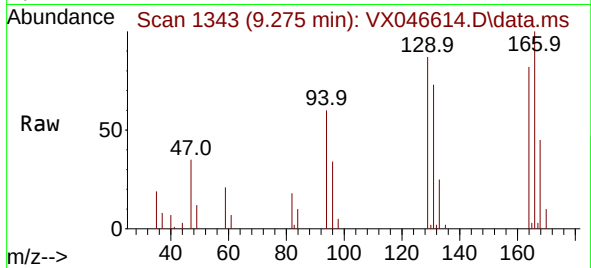
Tgt Ion:	95	Resp:	51515
Ion	Ratio	Lower	Upper
95	100		
174	68.7	56.0	84.0
176	65.8	52.2	78.4





#61
Tetrachloroethene
Concen: 4.781 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

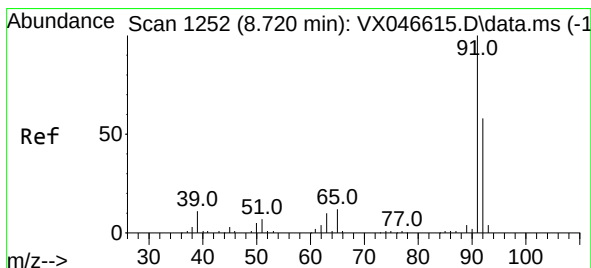
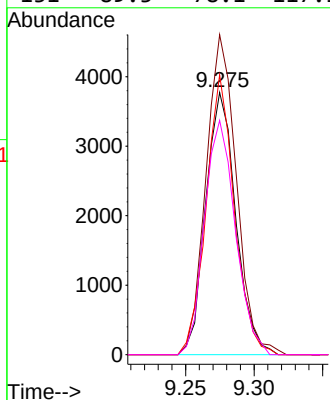
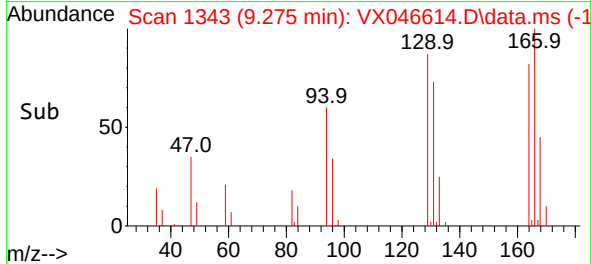
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



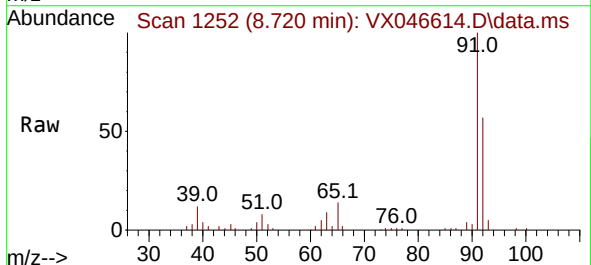
Tgt Ion:164 Resp: 5770
Ion Ratio Lower Upper
164 100
166 122.0 103.1 154.7
129 106.7 80.3 120.5
131 89.3 78.1 117.1

Manual Integrations
APPROVED

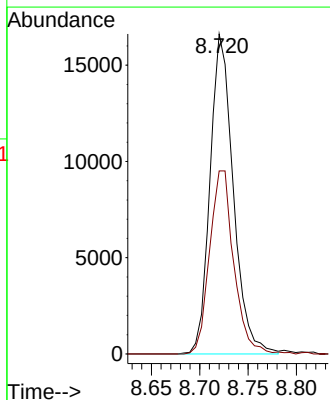
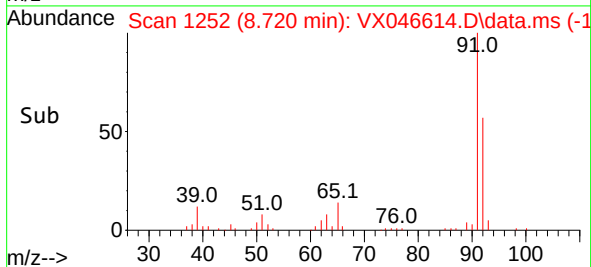
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

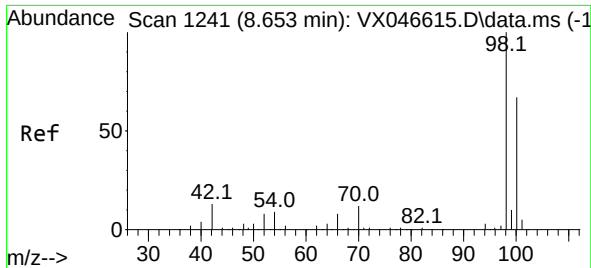


#62
Toluene
Concen: 4.271 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



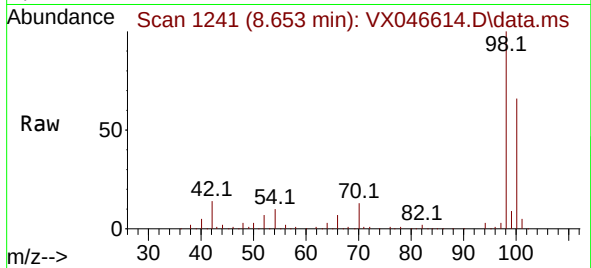
Tgt Ion: 91 Resp: 27732
Ion Ratio Lower Upper
91 100
92 59.5 46.8 70.2





#63
Toluene-d8
Concen: 25.528 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

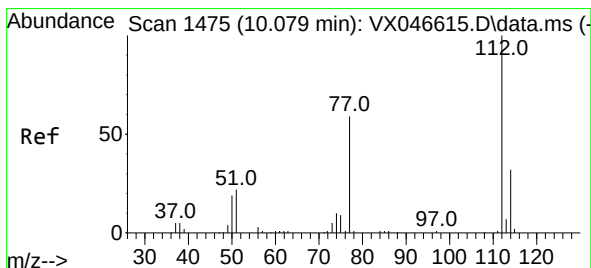
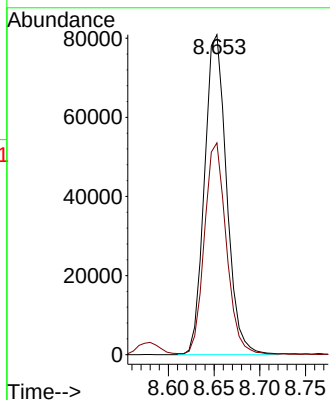
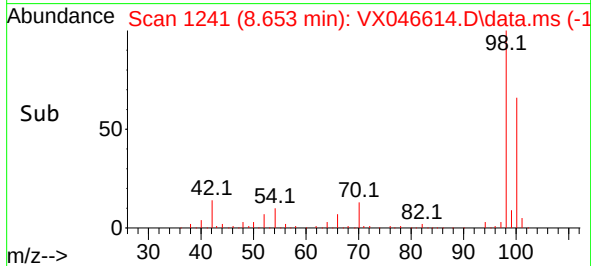
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 98 Resp: 13594
Ion Ratio Lower Upper
98 100
100 65.8 52.6 79.0

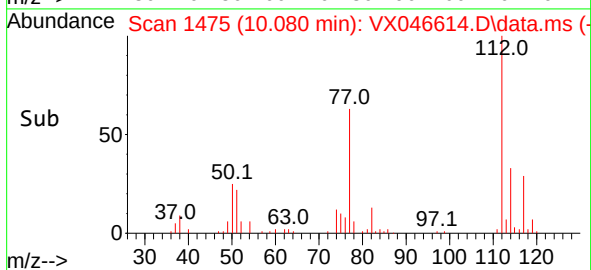
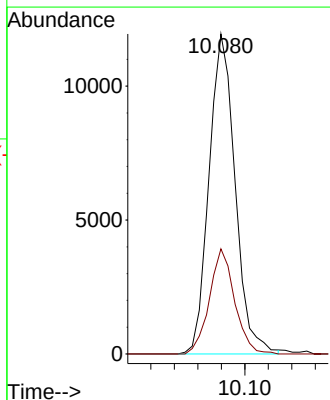
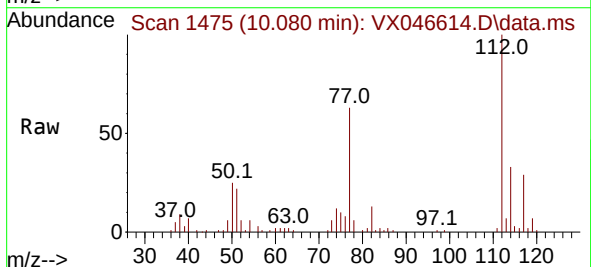
Manual Integrations
APPROVED

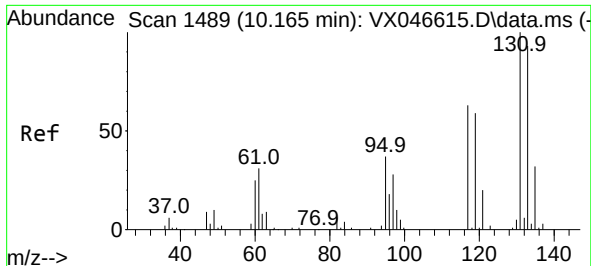
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#64
Chlorobenzene
Concen: 4.574 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

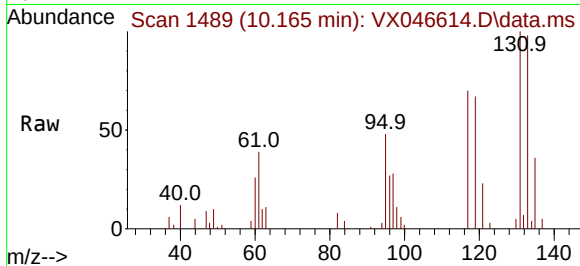
Tgt Ion:112 Resp: 18438
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0





#65
1,1,1,2-Tetrachloroethane
Concen: 4.329 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

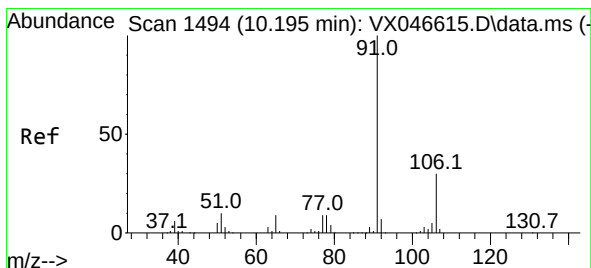
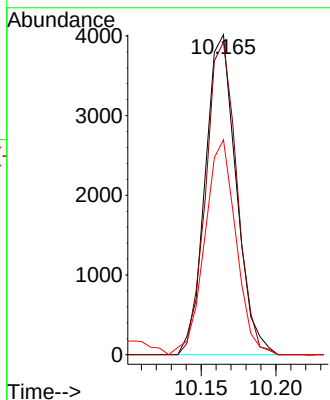
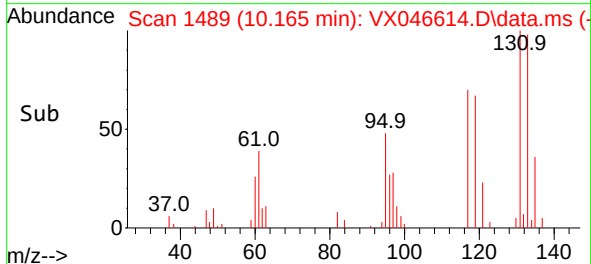
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:131 Resp: 579
Ion Ratio Lower Upper
131 100
133 97.8 0.0 190.6
119 67.5 0.0 131.2

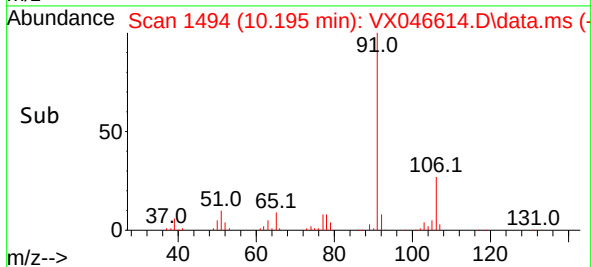
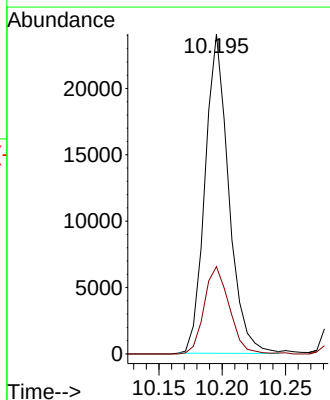
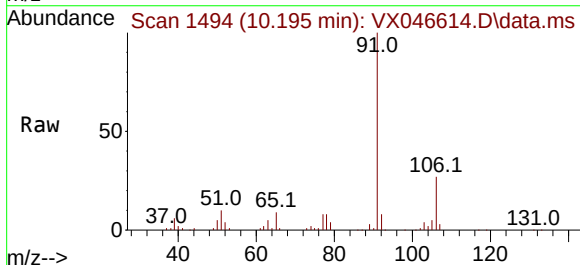
Manual Integrations
APPROVED

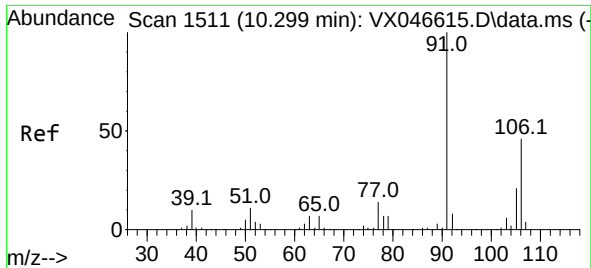
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#66
Ethyl Benzene
Concen: 4.369 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 91 Resp: 31311
Ion Ratio Lower Upper
91 100
106 27.4 23.9 35.9





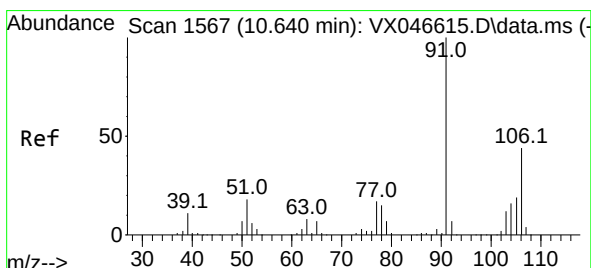
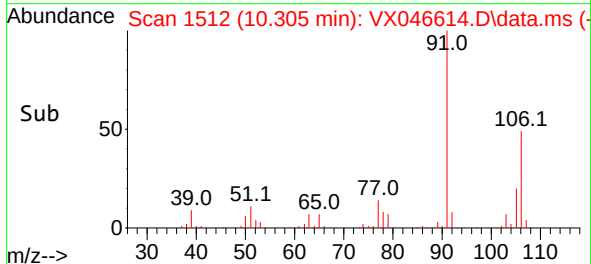
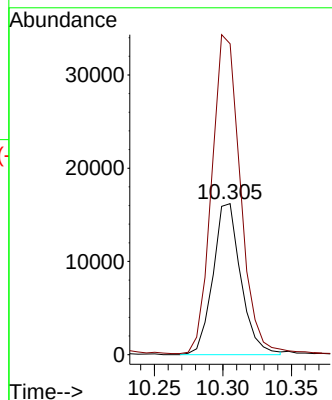
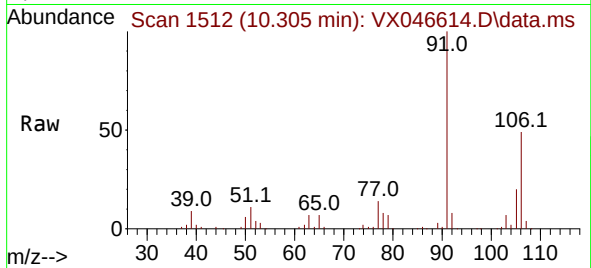
#67
m/p-Xylenes
Concen: 8.659 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 22930
Ion Ratio Lower Upper
106 100
91 219.1 171.5 257.3

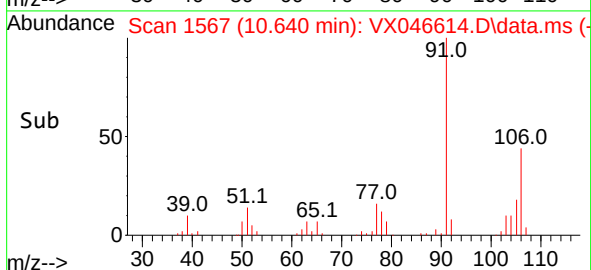
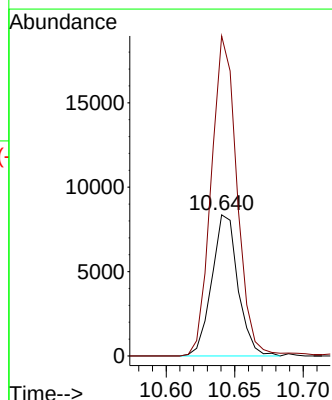
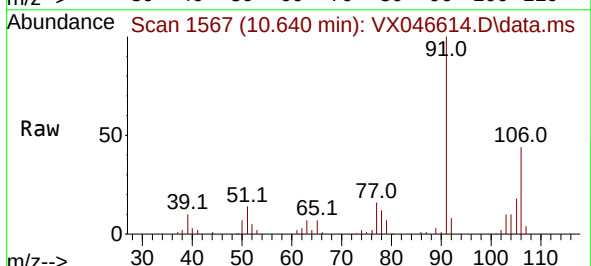
Manual Integrations
APPROVED

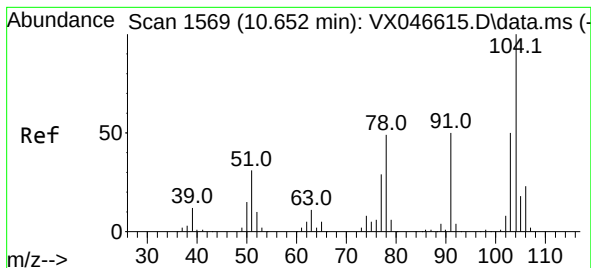
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#68
o-Xylene
Concen: 4.286 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion:106 Resp: 11097
Ion Ratio Lower Upper
106 100
91 222.3 112.3 336.9





#69

Styrene

Concen: 4.280 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

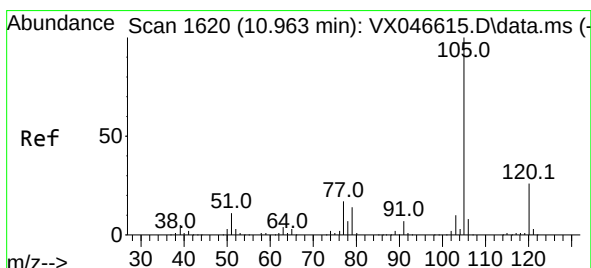
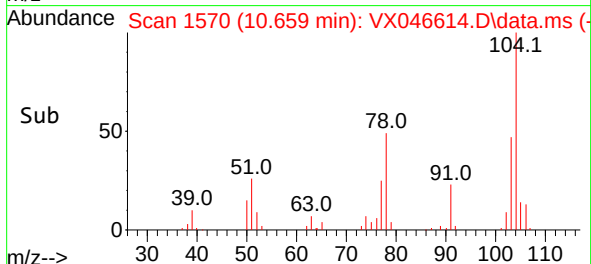
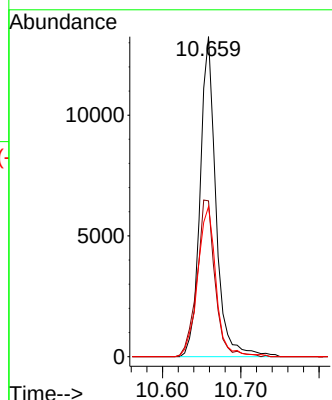
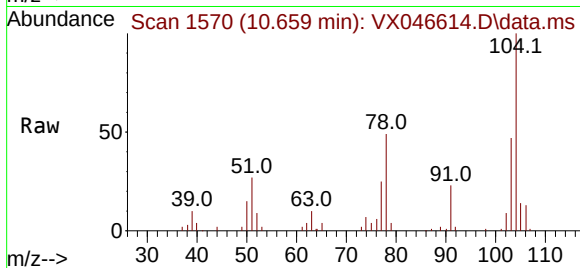
Tgt Ion:104	Resp:	1869
Ion Ratio	Lower	Upper
104	100	
78	55.7	43.1 64.7
103	53.9	42.9 64.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#70

Isopropylbenzene

Concen: 4.557 ug/l

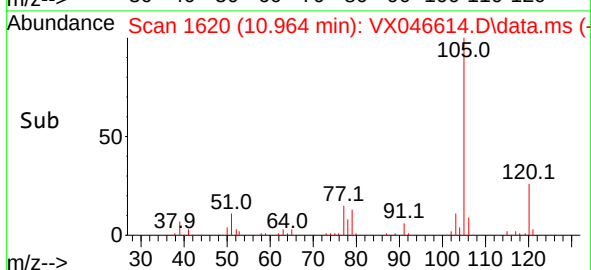
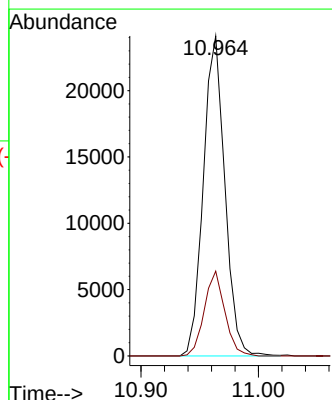
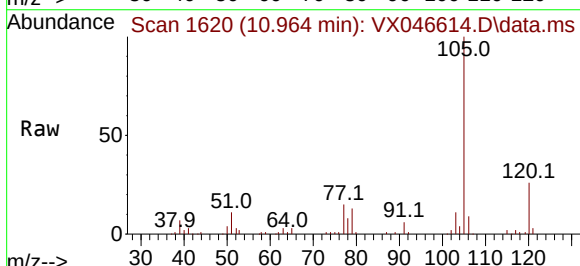
RT: 10.964 min Scan# 1620

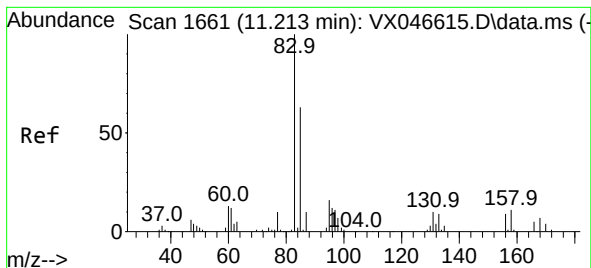
Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

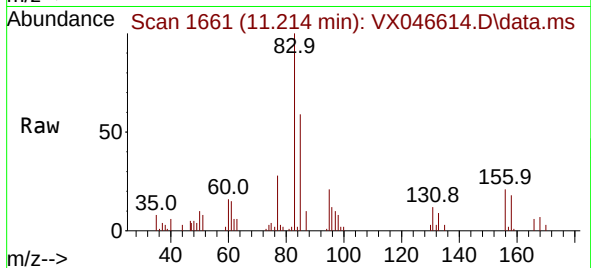
Tgt Ion:105	Resp:	30702
Ion Ratio	Lower	Upper
105	100	
120	25.2	18.1 33.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.357 ug/l
 RT: 11.214 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

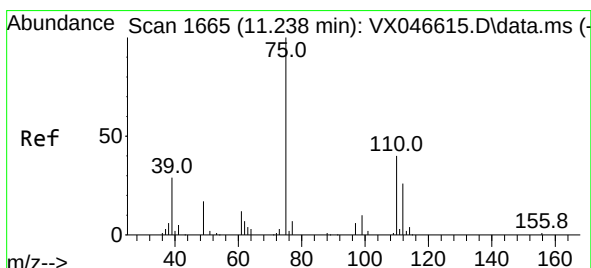
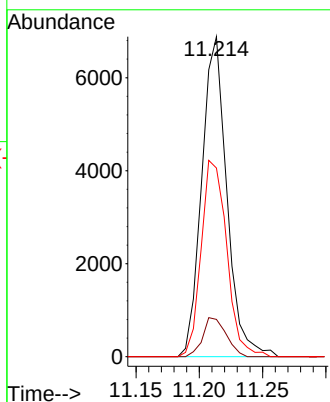
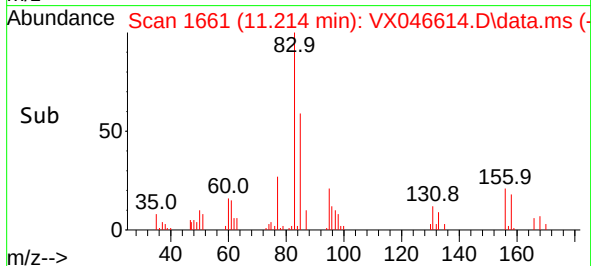
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005



Tgt Ion: 83 Resp: 9519
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.0 14.9
 85 62.4 31.5 94.5

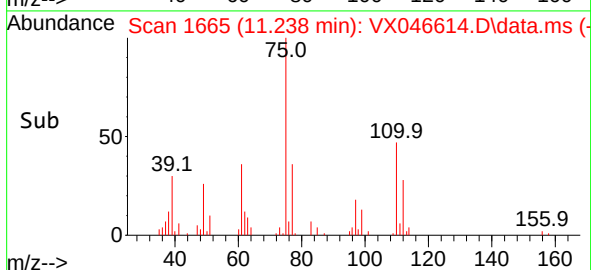
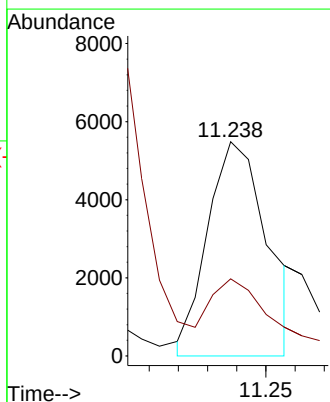
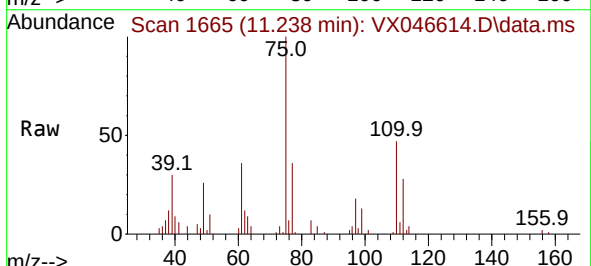
Manual Integrations
 APPROVED

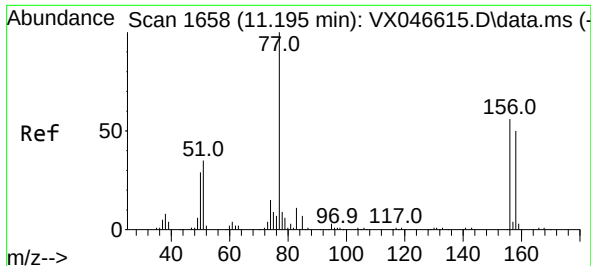
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025



#72
 1,2,3-Trichloropropane
 Concen: 4.303 ug/l m
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

Tgt Ion: 75 Resp: 7755
 Ion Ratio Lower Upper
 75 100
 77 39.4 0.0 82.6





#73
Bromobenzene
Concen: 4.799 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

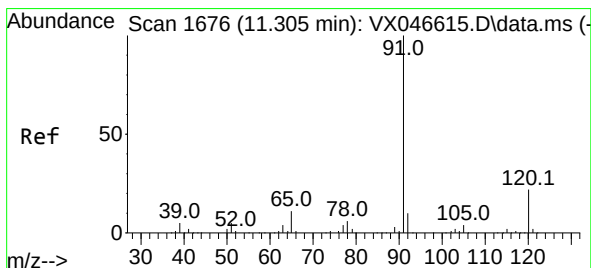
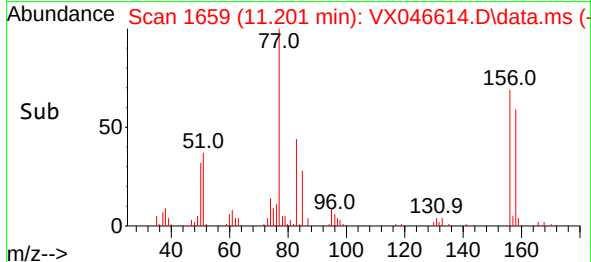
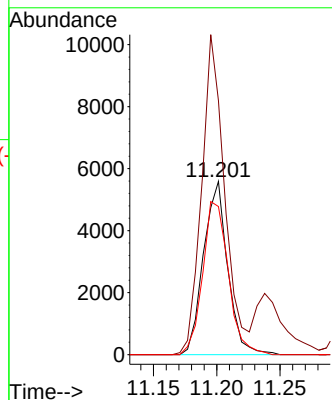
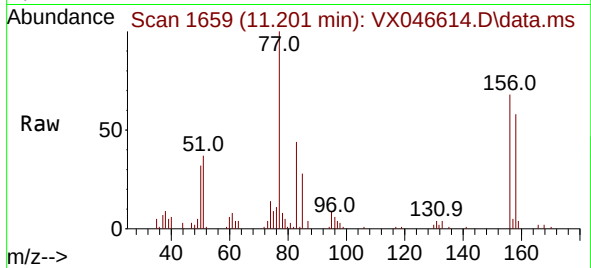
VSTDICC005

Tgt Ion:156 Resp: 7460
Ion Ratio Lower Upper
156 100
77 175.5 0.0 358.6
158 93.7 0.0 192.0

Manual Integrations

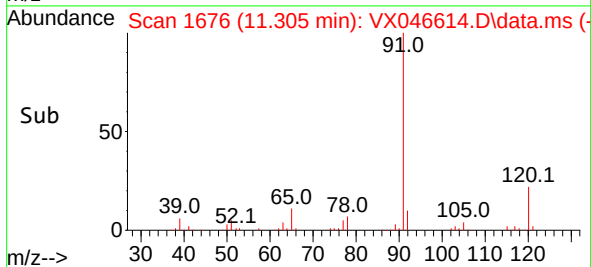
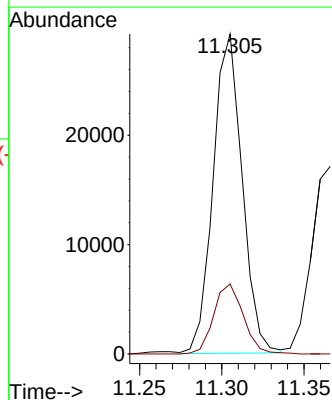
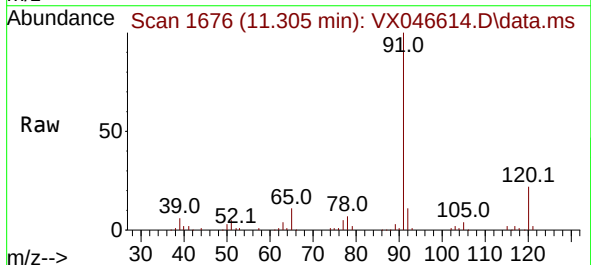
APPROVED

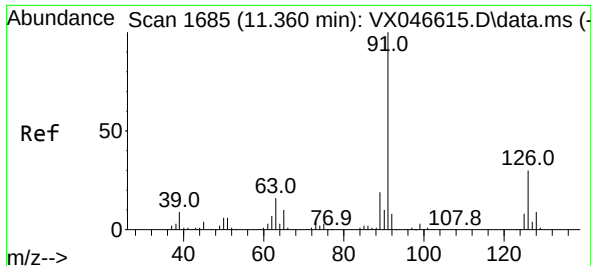
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#74
n-propylbenzene
Concen: 4.437 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 91 Resp: 35787
Ion Ratio Lower Upper
91 100
120 22.4 0.0 43.8





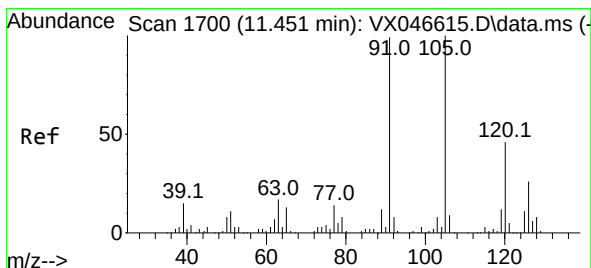
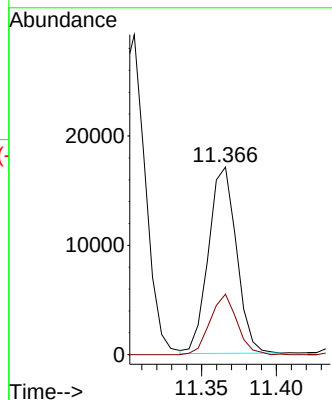
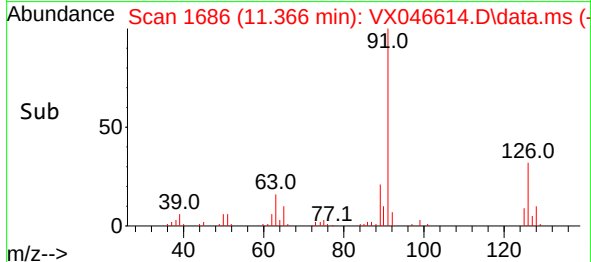
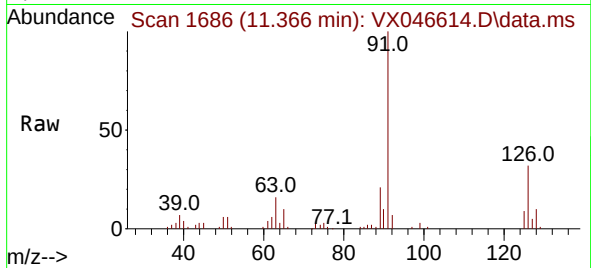
#75
2-Chlorotoluene
Concen: 4.585 ug/l
RT: 11.366 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 2225
Ion Ratio Lower Upper
91 100
126 31.0 0.0 63.0

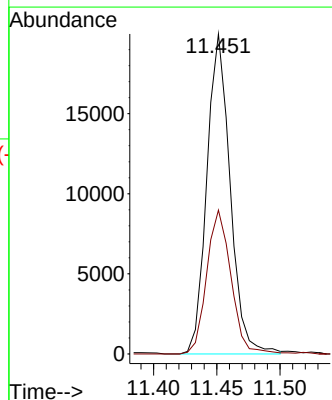
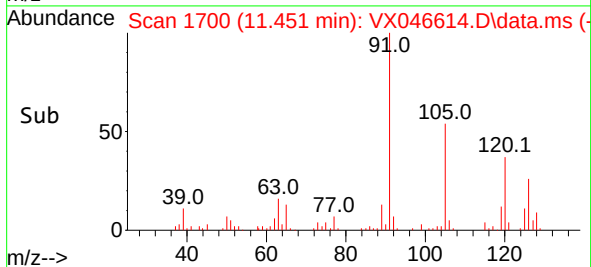
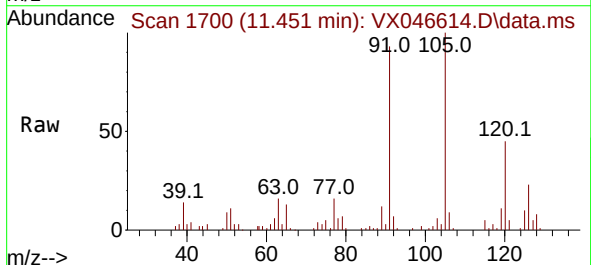
Manual Integrations
APPROVED

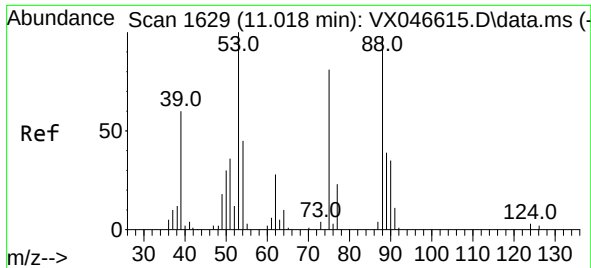
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.595 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

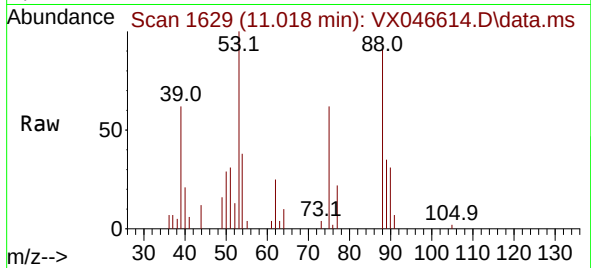
Tgt Ion:105 Resp: 25610
Ion Ratio Lower Upper
105 100
120 46.2 0.0 92.8





#77
t-1,4-Dichloro-2-butene
Concen: 3.597 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

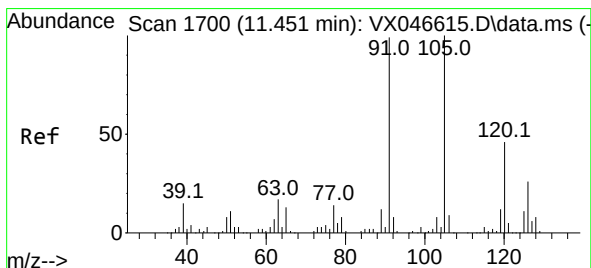
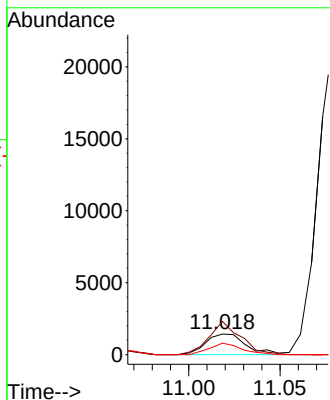
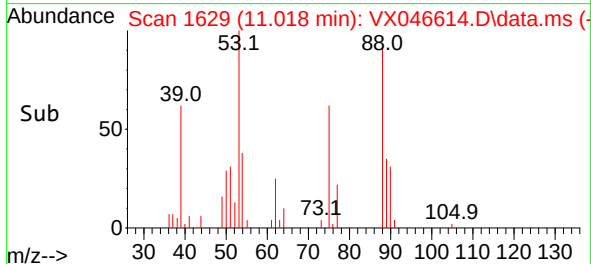
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 220
Ion Ratio Lower Upper
75 100
53 161.3 61.9 185.7
89 55.6 24.0 72.0

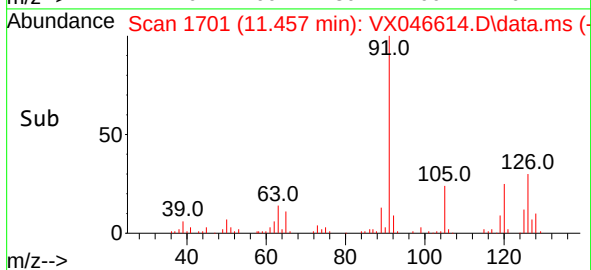
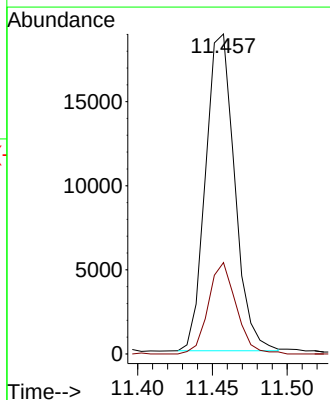
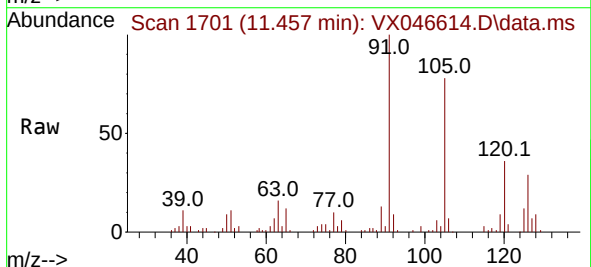
Manual Integrations
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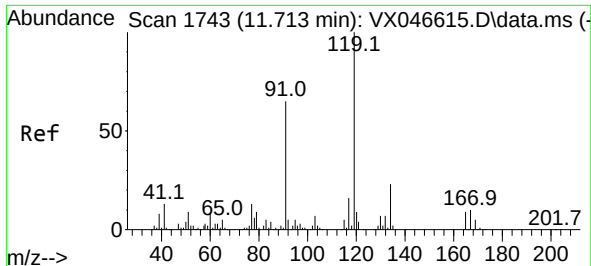
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#78
4-Chlorotoluene
Concen: 4.653 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion: 91 Resp: 25479
Ion Ratio Lower Upper
91 100
126 27.7 0.0 55.0





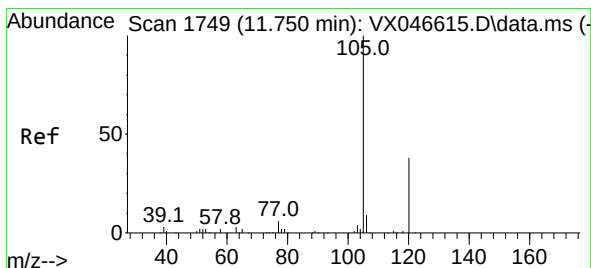
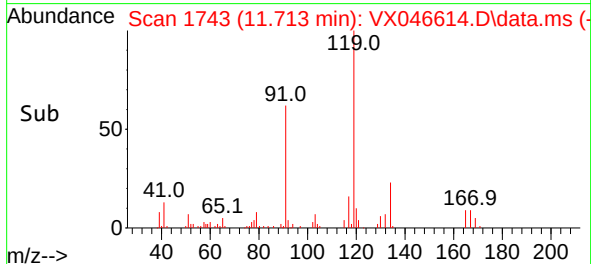
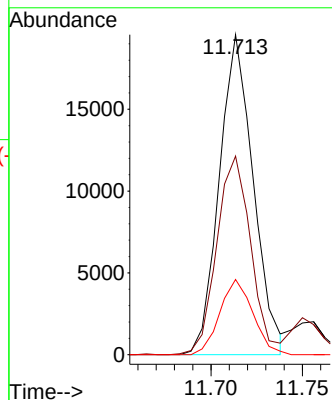
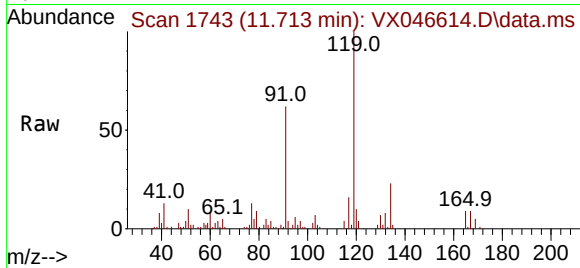
#79
tert-butylbenzene
Concen: 4.521 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 2532
Ion Ratio Lower Upper
119 100
91 62.2 0.0 126.0
134 22.8 0.0 45.6

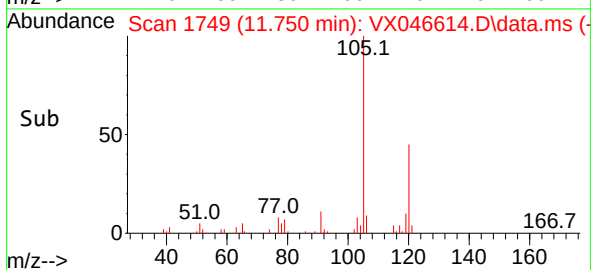
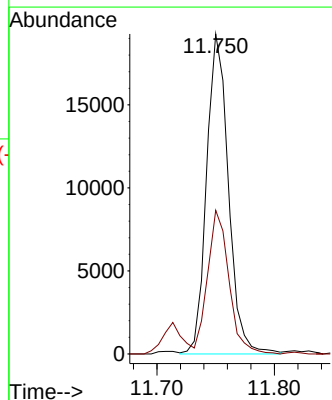
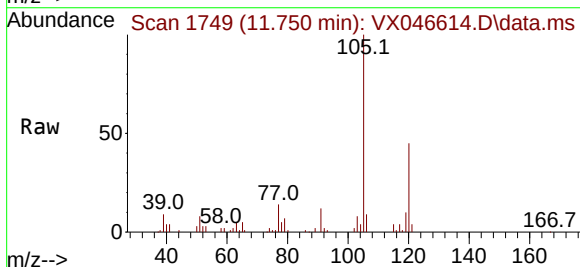
Manual Integrations
APPROVED

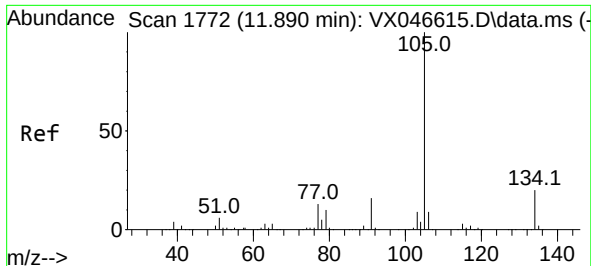
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.475 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

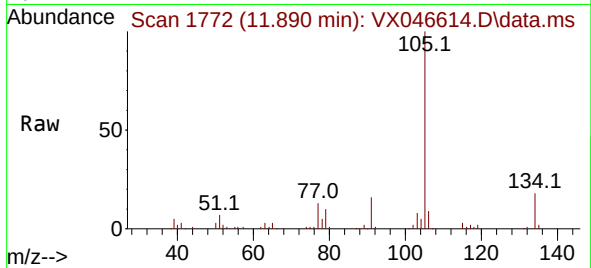
Tgt Ion:105 Resp: 24894
Ion Ratio Lower Upper
105 100
120 43.7 0.0 89.6





#81
 sec-Butylbenzene
 Concen: 4.630 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19

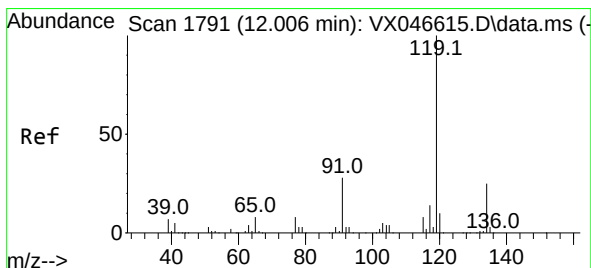
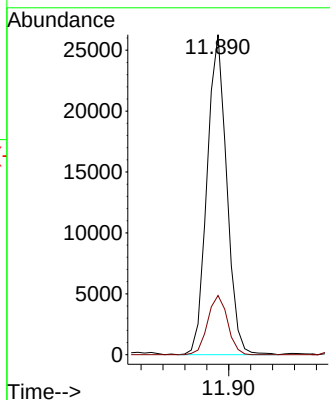
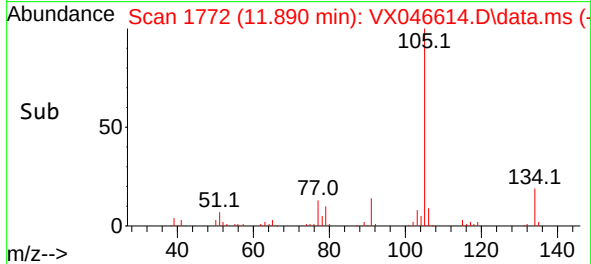
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005



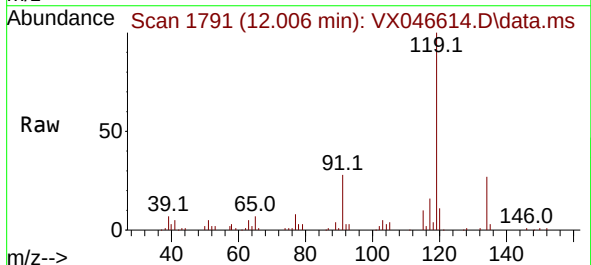
Tgt Ion:105 Resp: 3273
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 38.4

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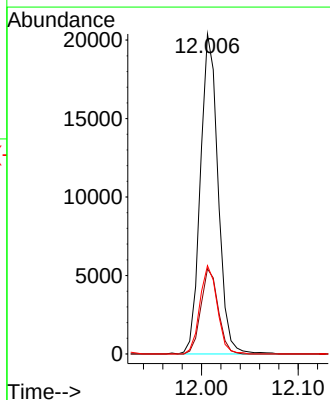
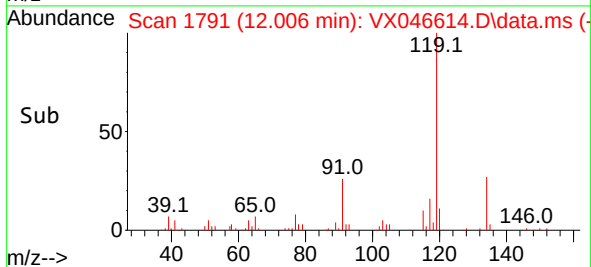
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

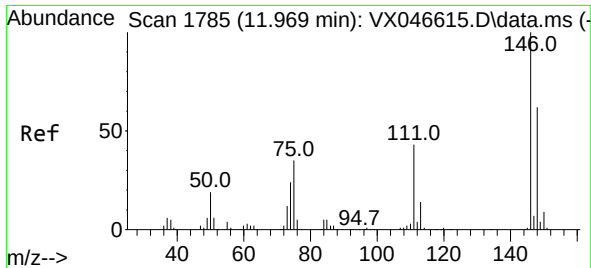


#82
 p-Isopropyltoluene
 Concen: 4.517 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX046614.D
 Acq: 10 Jun 2025 20:19



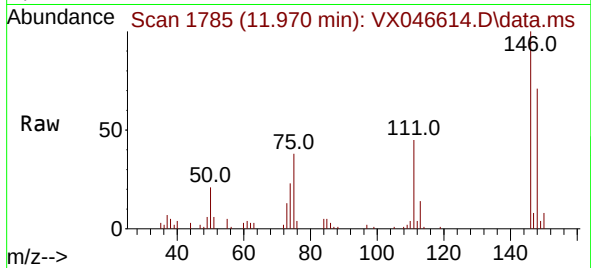
Tgt Ion:119 Resp: 25993
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 50.0
 91 27.1 0.0 54.0





#83
1,3-Dichlorobenzene
Concen: 4.793 ug/l
RT: 11.970 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

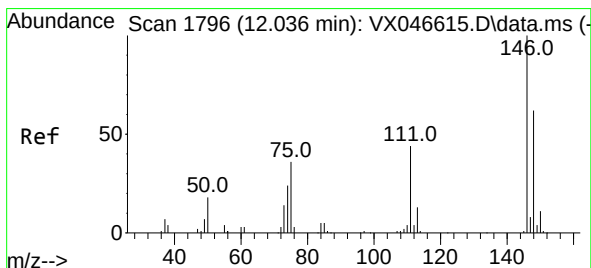
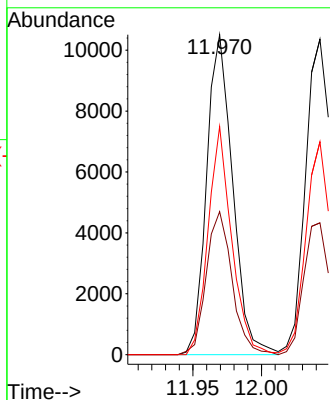
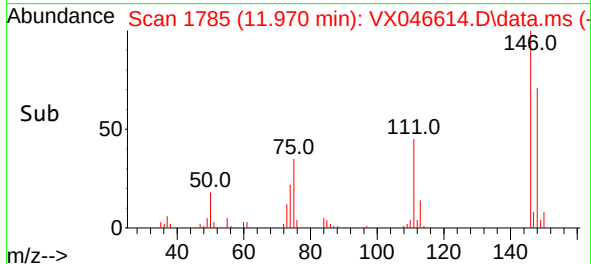
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



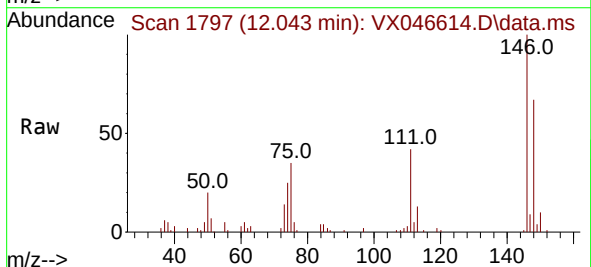
Tgt Ion:146 Resp: 1389
Ion Ratio Lower Upper
146 100
111 44.5 21.9 65.8
148 64.8 32.0 96.2

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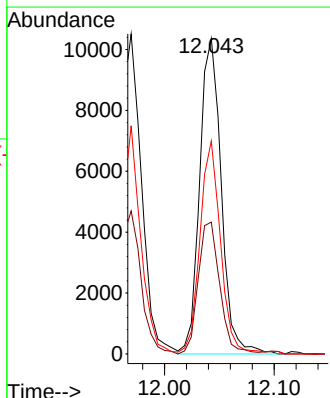
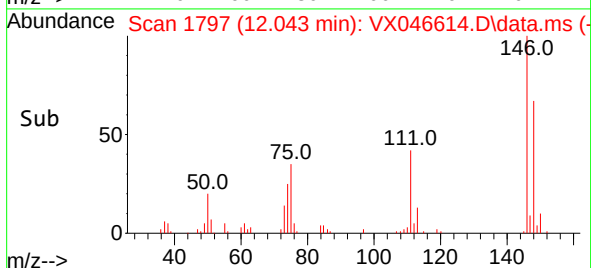
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

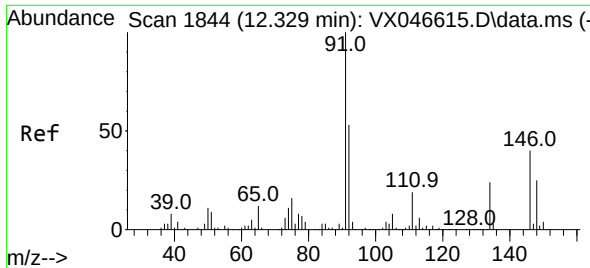


#84
1,4-Dichlorobenzene
Concen: 4.923 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



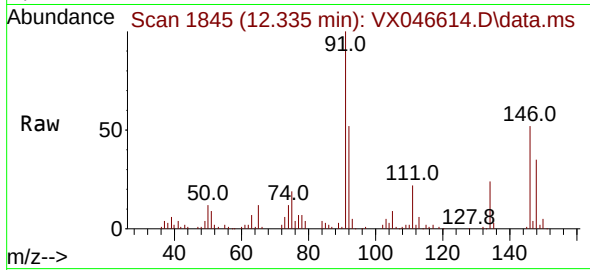
Tgt Ion:146 Resp: 14175
Ion Ratio Lower Upper
146 100
111 41.9 21.3 63.7
148 64.4 31.4 94.3





#85
n-Butylbenzene
Concen: 4.722 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

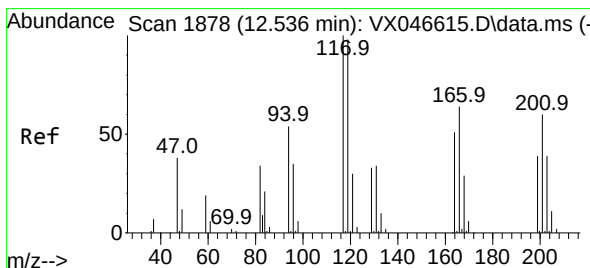
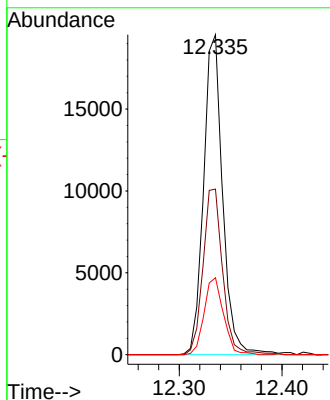
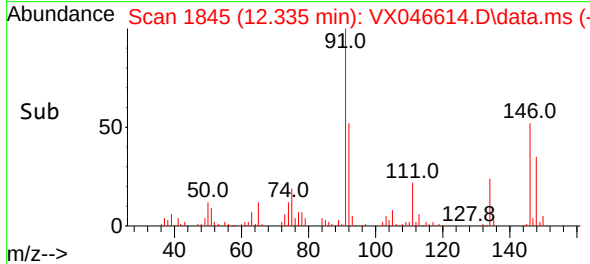
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 91 Resp: 2523
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.4
134 24.1 0.0 48.8

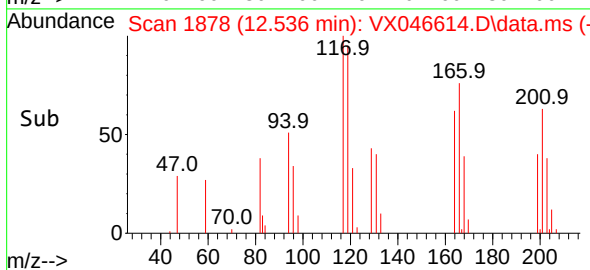
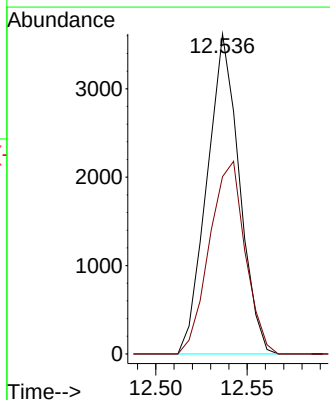
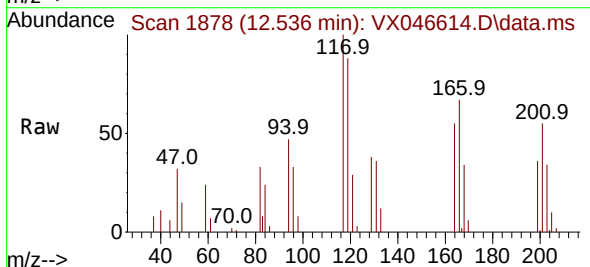
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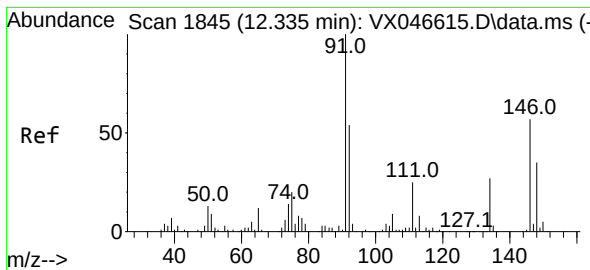
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#86
Hexachloroethane
Concen: 4.374 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

Tgt Ion:117 Resp: 4454
Ion Ratio Lower Upper
117 100
201 66.6 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 4.757 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:146 Resp: 1346

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.5

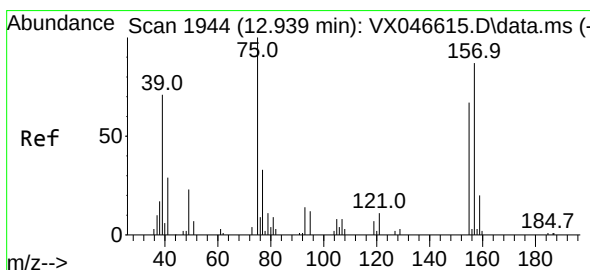
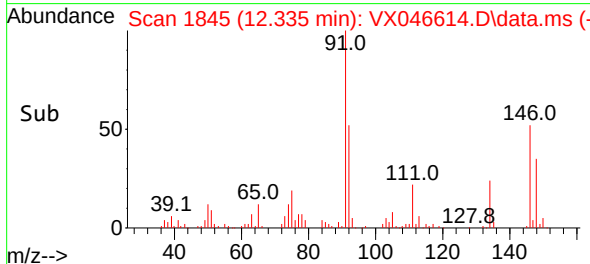
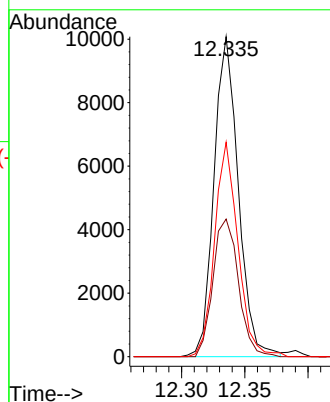
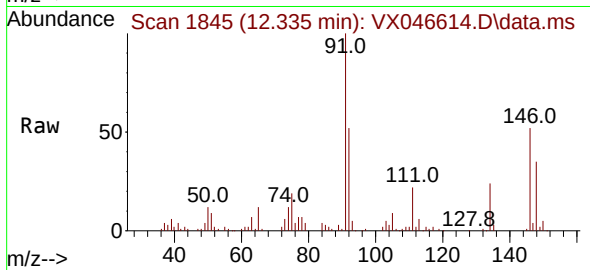
148 63.9 31.6 94.8

Manual Integrations

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Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 3.904 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX046614.D

Acq: 10 Jun 2025 20:19

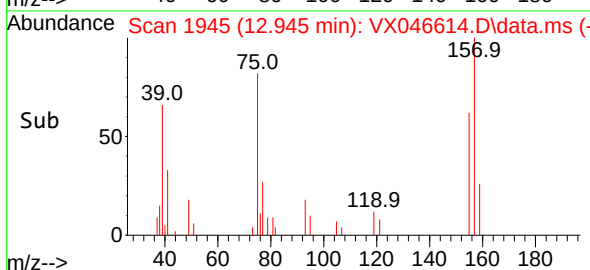
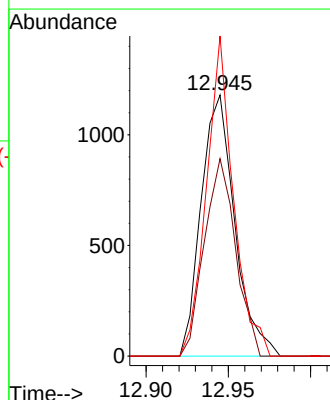
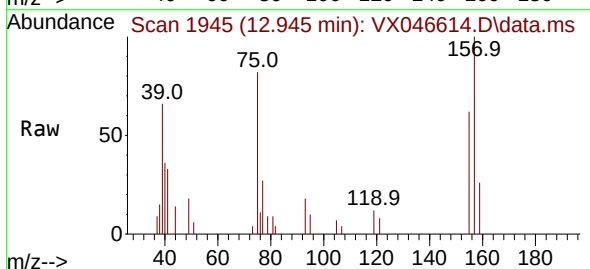
Tgt Ion: 75 Resp: 1679

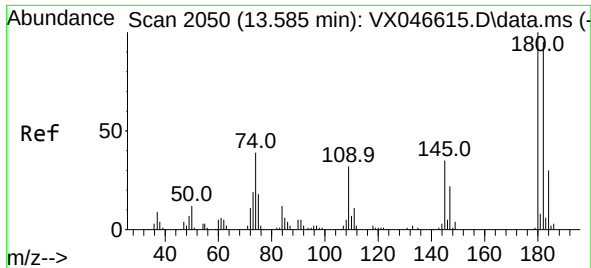
Ion Ratio Lower Upper

75 100

155 70.2 59.4 89.2

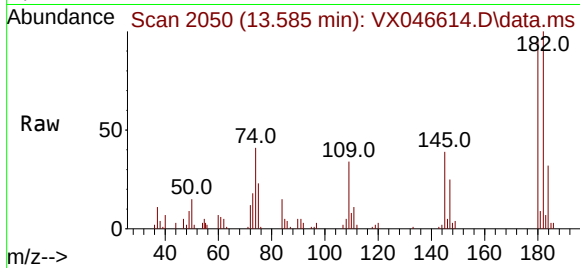
157 98.4 75.0 112.6





#89
1,2,4-Trichlorobenzene
Concen: 4.637 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

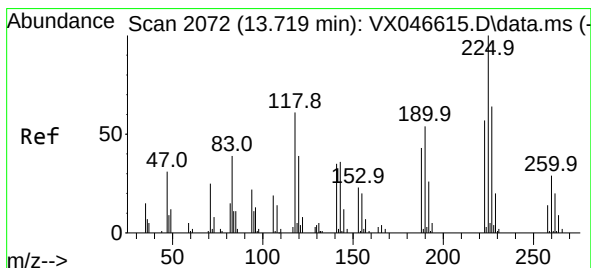
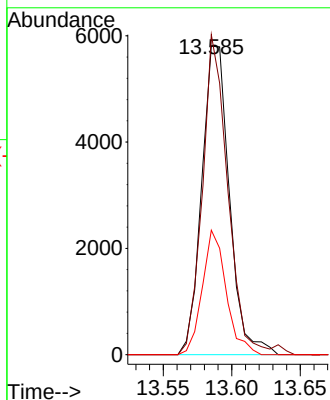
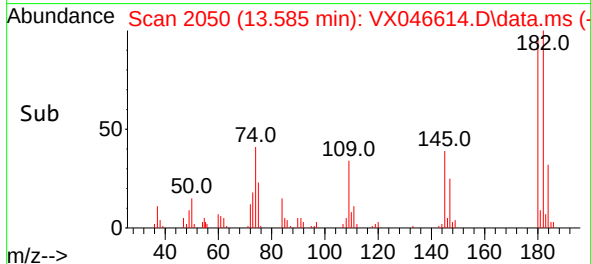
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



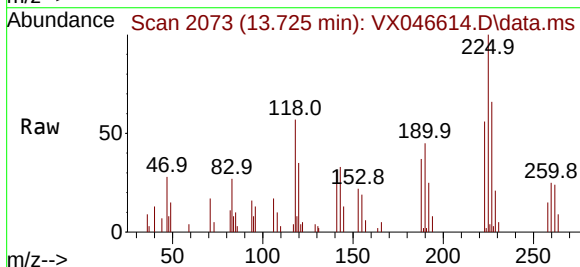
Tgt Ion:180 Resp: 8164
Ion Ratio Lower Upper
180 100
182 94.4 75.0 112.6
145 34.9 27.4 41.0

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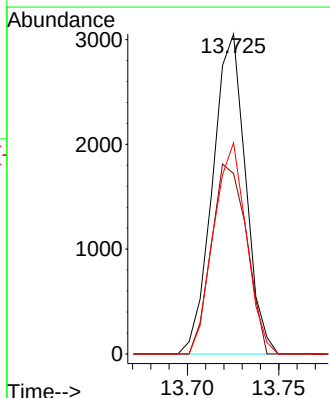
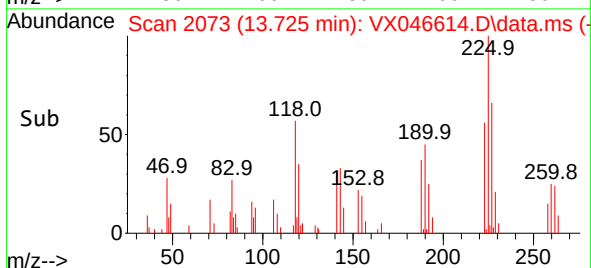
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

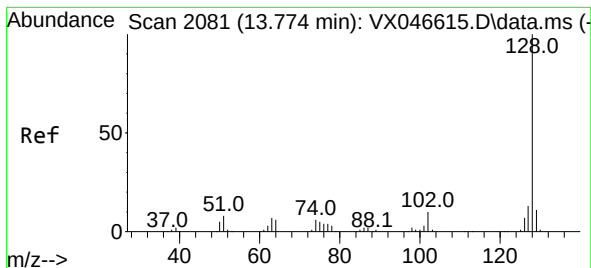


#90
Hexachlorobutadiene
Concen: 5.291 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



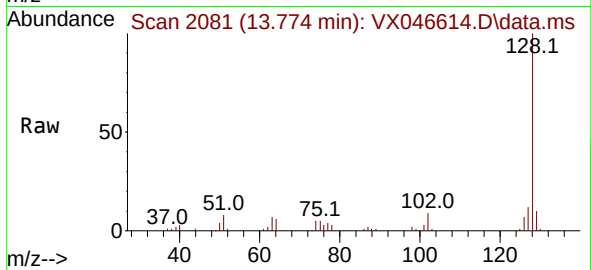
Tgt Ion:225 Resp: 3828
Ion Ratio Lower Upper
225 100
223 63.5 0.0 126.4
227 65.8 0.0 131.4





#91
Naphthalene
Concen: 4.155 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19

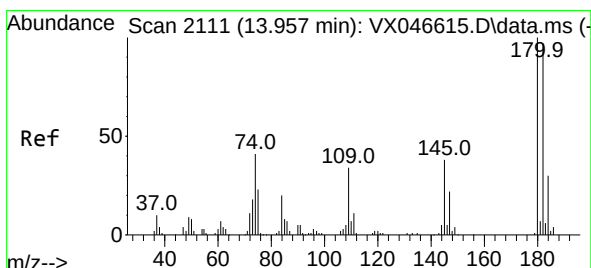
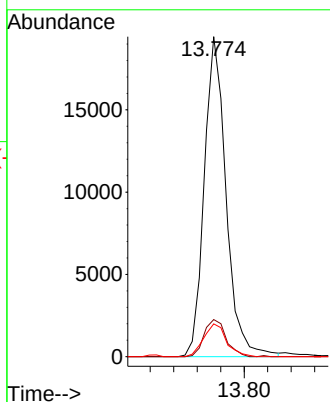
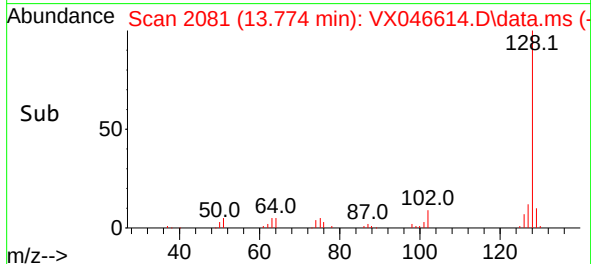
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



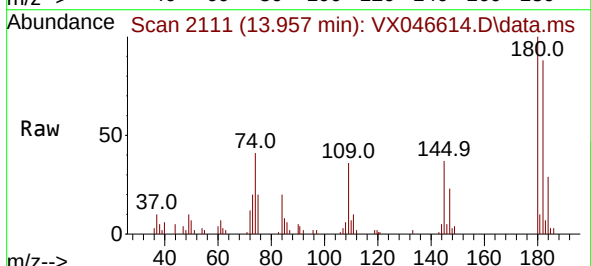
Tgt Ion:128 Resp: 2510
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 10.7 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.528 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046614.D
Acq: 10 Jun 2025 20:19



Tgt Ion:180 Resp: 8091
Ion Ratio Lower Upper
180 100
182 94.9 0.0 190.2
145 37.6 0.0 71.8

