

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032825\
 Data File : VX045502.D
 Acq On : 28 Mar 2025 11:32
 Operator : JC/MD
 Sample : VSTD20071
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200671

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 14:38:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML032825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 28 13:12:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	145097	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	131691	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	61496	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	225192	206.181	ug/L	0.00
7) Chloroethane-d5	1.642	69	130189	313.766	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	117299	251.251	ug/L	0.00
21) 2-Butanone-d5	4.458	46	251001	537.564	ug/L	0.00
24) Chloroform-d	5.050	84	499203	260.106	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	336998	292.532	ug/L	0.00
32) Benzene-d6	5.964	84	881993	214.197	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	284626	218.383	ug/L	0.00
41) Toluene-d8	8.647	98	790048	216.784	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	136486	220.770	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	226953	588.375	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	367374	226.830	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	263519	219.002	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	325313	313.494	ug/L	100
3) Chloromethane	1.307	50	288902	225.800	ug/L	99
5) Vinyl chloride	1.374	62	270135	229.901	ug/L	98
6) Bromomethane	1.593	94	117116	368.260	ug/L	98
8) Chloroethane	1.660	64	119501	254.715	ug/L	96
9) Trichlorofluoromethane	1.867	101	342538	261.466	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	233666	242.459	ug/L	96
12) 1,1-Dichloroethene	2.306	96	210334m	233.886	ug/L	
13) Acetone	2.386	43	255295	548.306	ug/L	93
14) Carbon disulfide	2.502	76	592284	215.071	ug/L	100
15) Methyl Acetate	2.703	43	286905	266.284	ug/L	94
16) Methylene chloride	2.782	84	238910	232.274	ug/L	91
17) trans-1,2-Dichloroethene	3.087	96	212625	226.020	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	756447	233.227	ug/L	96
19) 1,1-Dichloroethane	3.599	63	445673	242.291	ug/L	100
20) cis-1,2-Dichloroethene	4.483	96	253135	224.792	ug/L	91
22) 2-Butanone	4.556	43	429203	559.029	ug/L	92
23) Bromochloromethane	4.891	128	122948	221.380	ug/L	93
25) Chloroform	5.086	83	462260	247.693	ug/L	100
27) 1,2-Dichloroethane	6.080	62	399256	285.156	ug/L #	95
29) Cyclohexane	5.464	56	433134	214.257	ug/L	95
30) 1,1,1-Trichloroethane	5.373	97	394464	236.753	ug/L	96
31) Carbon tetrachloride	5.672	117	340973	238.635	ug/L	99
33) Benzene	6.031	78	902242	207.891	ug/L	100
34) Trichloroethene	7.117	95	245913	222.662	ug/L	94
35) Methylcyclohexane	7.379	83	396696	209.956	ug/L	96
37) 1,2-Dichloropropane	7.427	63	248599	211.771	ug/L	99
38) Bromodichloromethane	7.818	83	350658	238.008	ug/L	97
39) cis-1,3-Dichloropropene	8.360	75	409572	214.905	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	790511	509.402	ug/L	94
42) Toluene	8.714	91	946337	212.534	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	389652	228.383	ug/L	99

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 ClientSampleId :
 VSTD200671

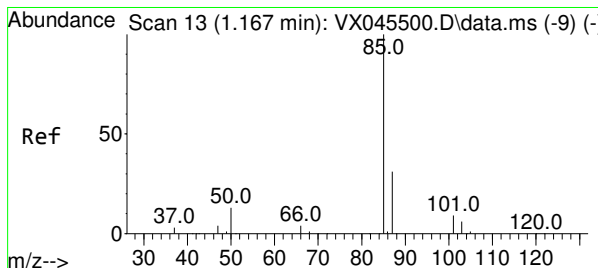
Manual Integrations
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 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 14:38:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML032825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 28 13:12:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.147	97	232969	212.616	ug/L	99
46) Tetrachloroethene	9.269	164	165790	211.391	ug/L	97
48) 2-Hexanone	9.433	43	604289	543.441	ug/L	93
49) Dibromochloromethane	9.519	129	249430	225.717	ug/L	98
50) 1,2-Dibromoethane	9.610	107	250920	218.492	ug/L #	97
51) Chlorobenzene	10.079	112	592687	213.220	ug/L	99
52) Ethylbenzene	10.189	91	1090878	224.133	ug/L	99
53) m,p-Xylene	10.299	106	400624	219.254	ug/L	93
54) o-Xylene	10.640	106	385707	214.154	ug/L	93
55) Styrene	10.653	104	659749	221.947	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	367590	216.220	ug/L	98
59) Bromoform	10.799	173	176160	216.549	ug/L	100
60) Isopropylbenzene	10.957	105	1062764	215.185	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	296435	218.337	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	885126	218.461	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	873862	217.758	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	427377	210.500	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	424098	209.851	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	417730	207.522	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.939	75	92710	250.606	ug/L	85
69) 1,3,5-Trichlorobenzene	13.109	180	285033	214.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	268875	224.174	ug/L	98
71) Naphthalene	13.774	128	1003720	215.779	ug/L	99
72) 1,2,3-Trichlorobenzene	13.957	180	269201	221.342	ug/L	98

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



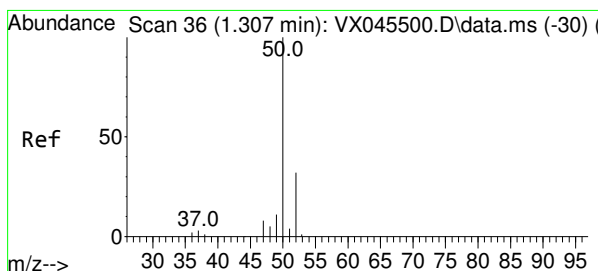
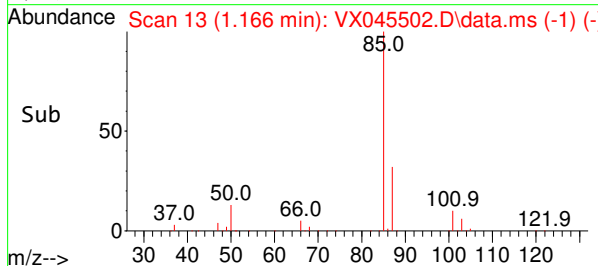
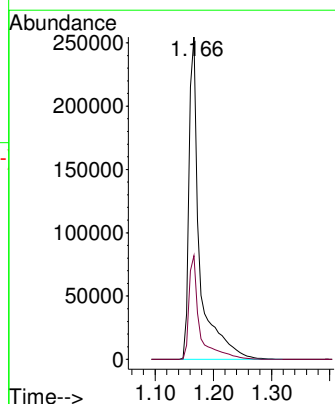
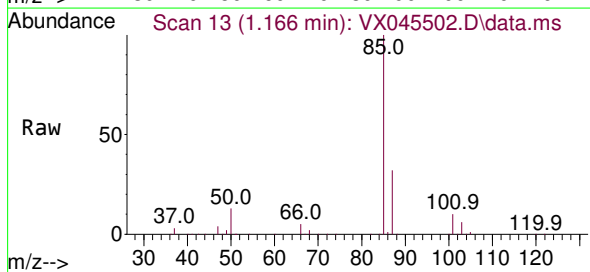
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Dichlorodifluoromethane
Concen: 313.494 ug/L
RT: 1.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 85 Resp: 32531
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9

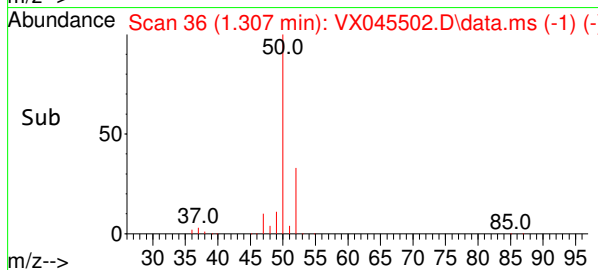
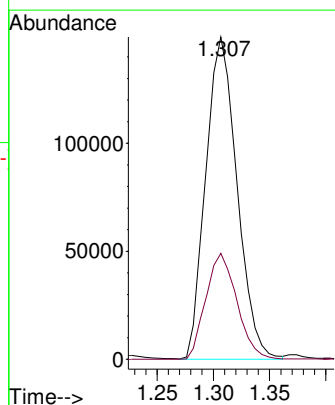
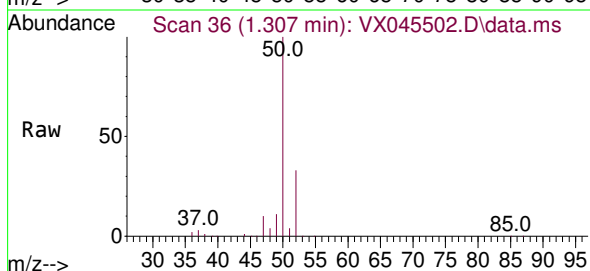
Manual Integrations
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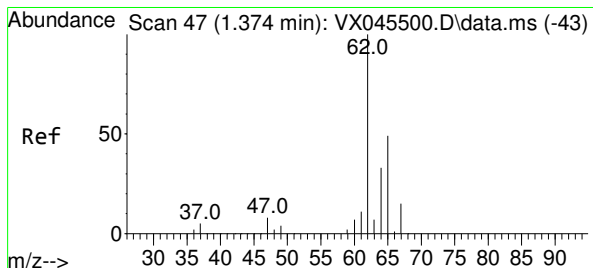
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#3
Chloromethane
Concen: 225.800 ug/L
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 50 Resp: 288902
Ion Ratio Lower Upper
50 100
52 32.9 23.3 43.3





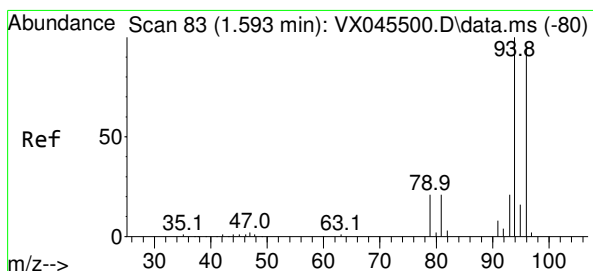
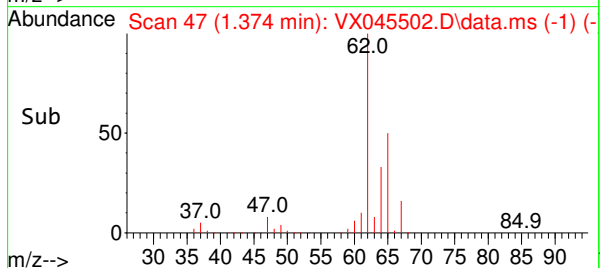
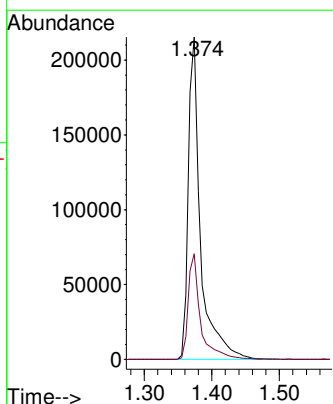
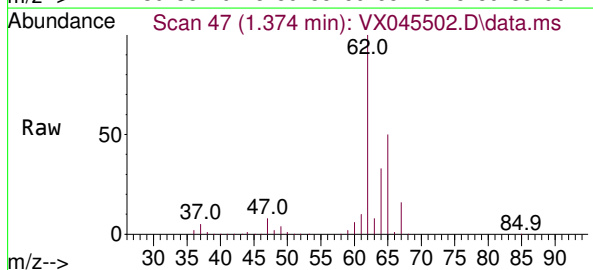
#5
 Vinyl chloride
 Concen: 229.901 ug/L
 RT: 1.374 min Scan# 4
 Delta R.T. -0.000 min
 Lab File: VX045502.D
 Acq: 28 Mar 2025 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200671

Tgt Ion: 62 Resp: 27013
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.7 44.1

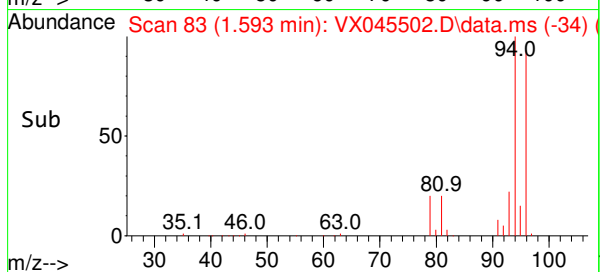
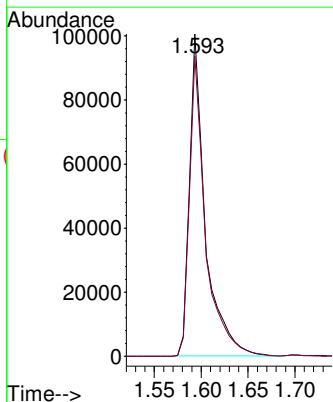
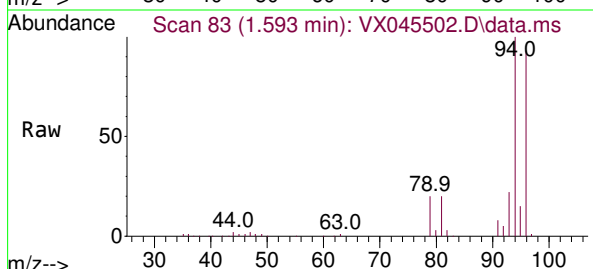
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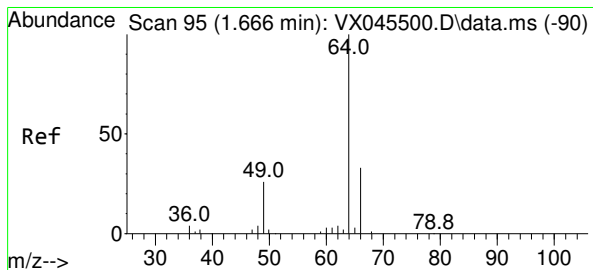
Reviewed By :John Carlone 04/01/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 368.260 ug/L
 RT: 1.593 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VX045502.D
 Acq: 28 Mar 2025 11:32

Tgt Ion: 94 Resp: 117116
 Ion Ratio Lower Upper
 94 100
 96 93.3 64.3 119.3





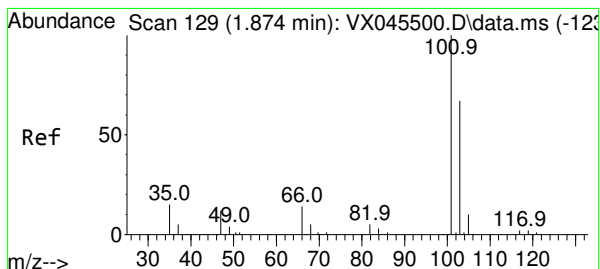
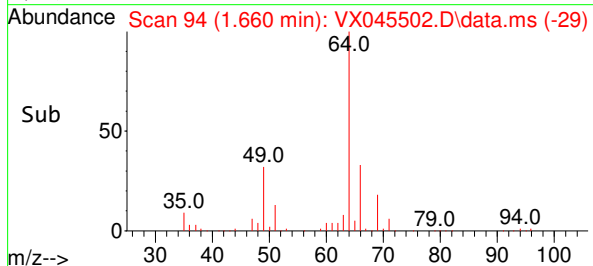
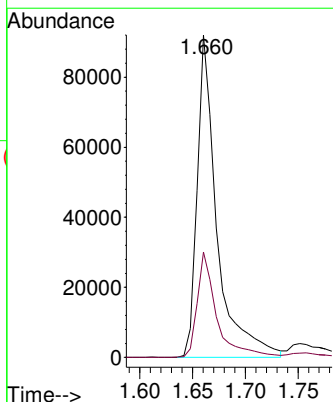
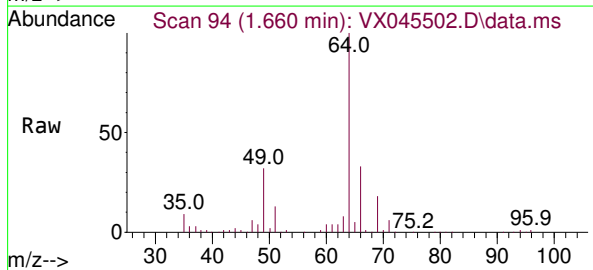
#8
Chloroethane
Concen: 254.715 ug/L
RT: 1.660 min Scan# 95
Delta R.T. -0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 64 Resp: 11950
Ion Ratio Lower Upper
64 100
66 32.7 21.4 39.8

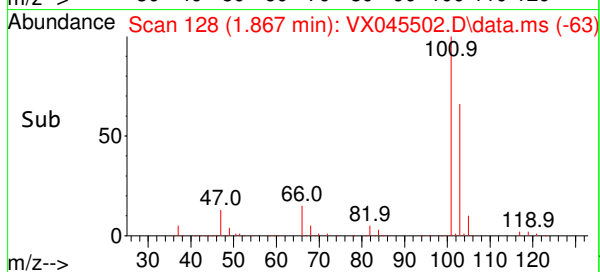
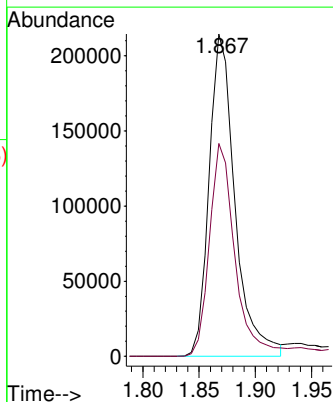
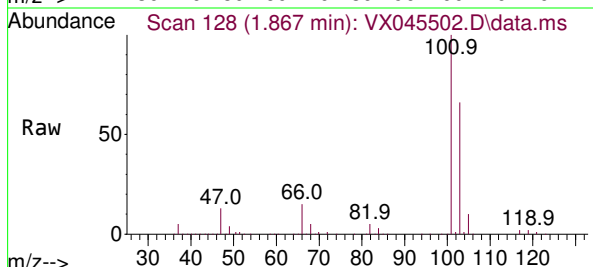
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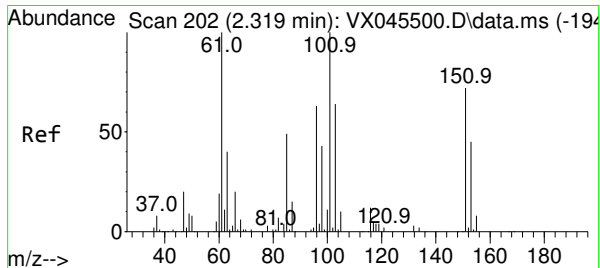
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#9
Trichlorofluoromethane
Concen: 261.466 ug/L
RT: 1.867 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:101 Resp: 342538
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2





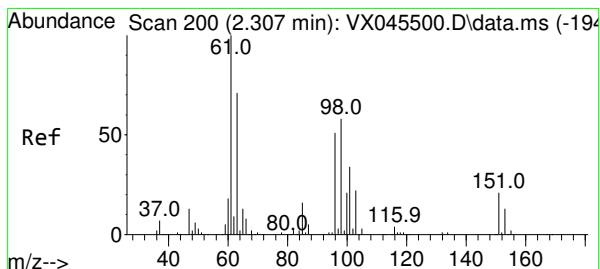
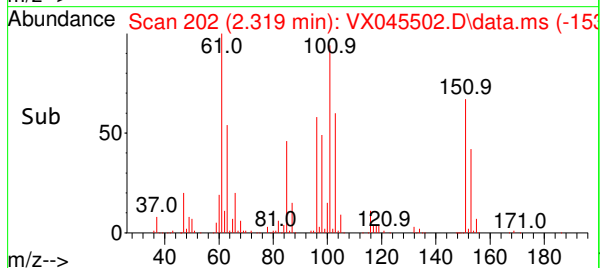
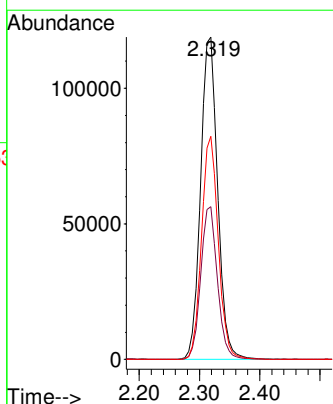
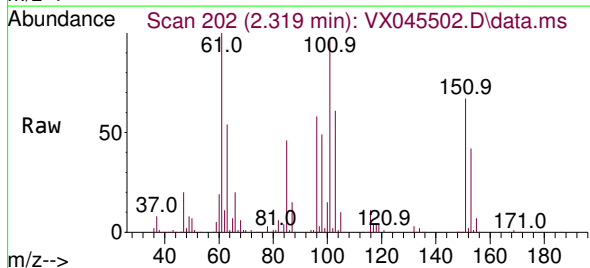
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 242.459 ug/L
RT: 2.319 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 101 Resp: 23366
Ion Ratio Lower Upper
101 100
85 46.3 35.4 53.6
151 67.7 57.0 85.4

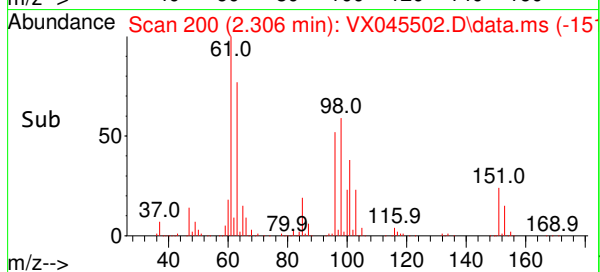
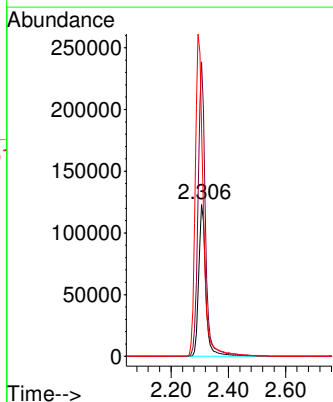
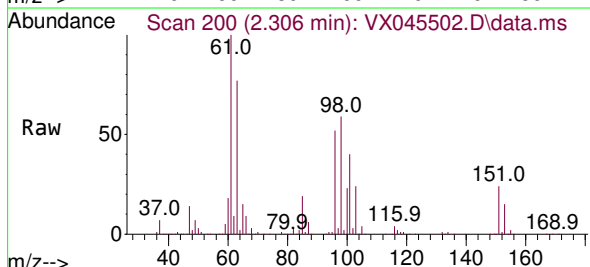
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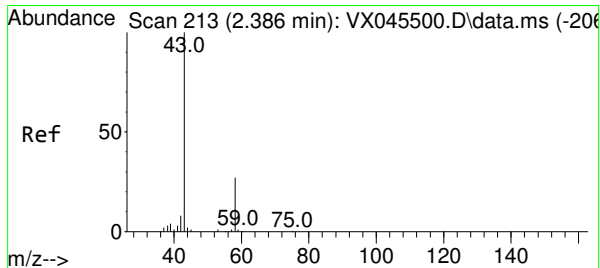
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#12
1,1-Dichloroethene
Concen: 233.886 ug/L m
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 96 Resp: 210334
Ion Ratio Lower Upper
96 100
61 193.9 115.1 213.8
63 149.8 74.1 137.5#





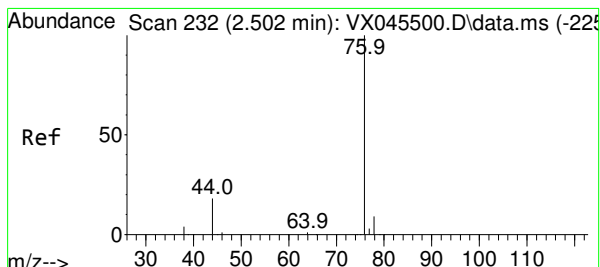
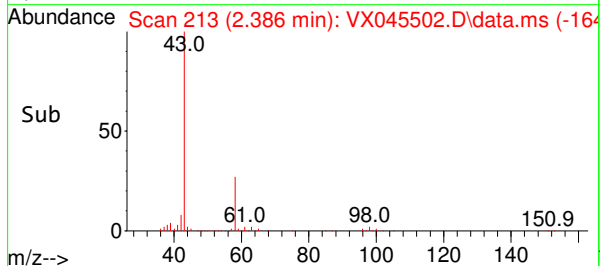
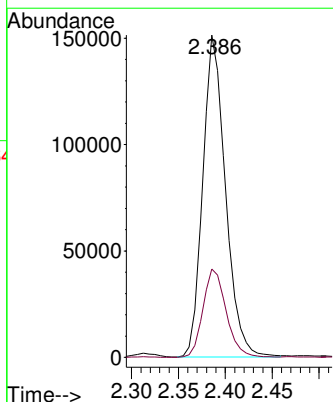
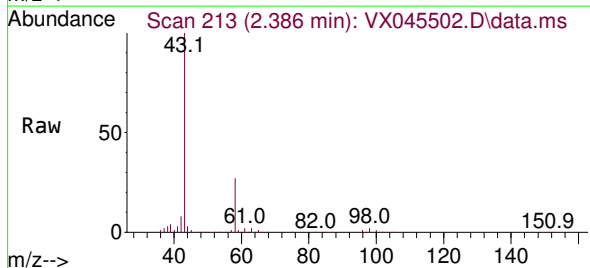
#13
Acetone
Concen: 548.306 ug/L
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 43 Resp: 25529
Ion Ratio Lower Upper
43 100
58 28.1 0.0 64.6

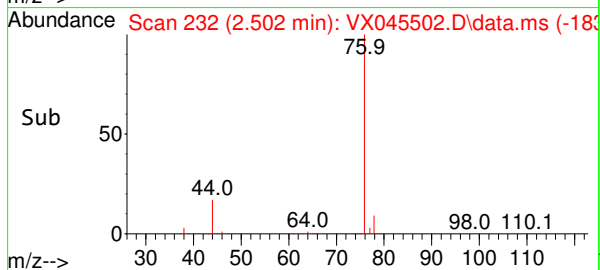
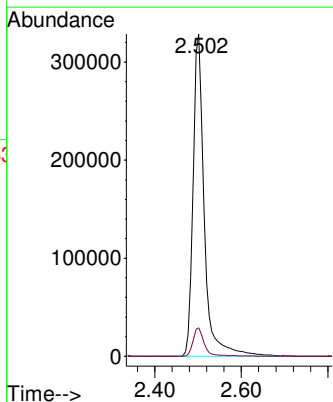
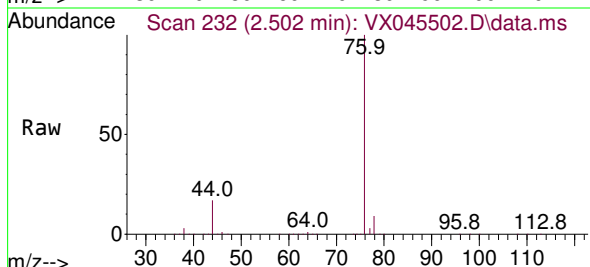
Manual Integrations
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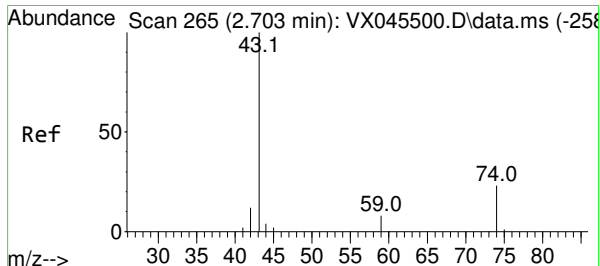
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Carbon disulfide
Concen: 215.071 ug/L
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 76 Resp: 592284
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





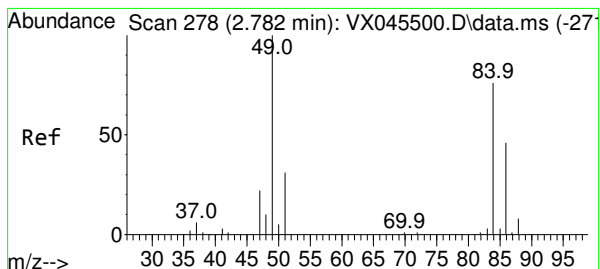
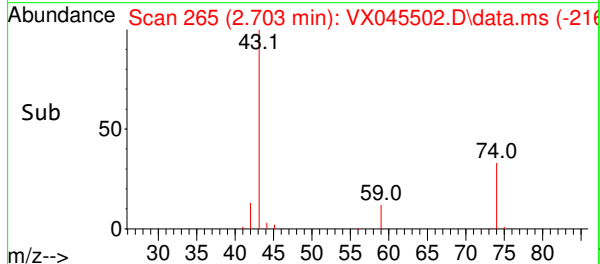
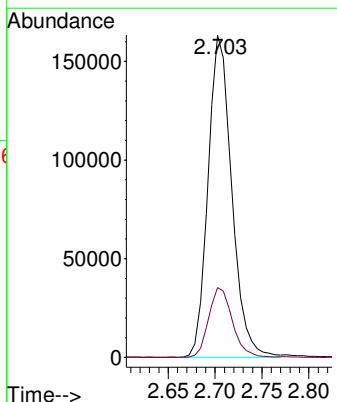
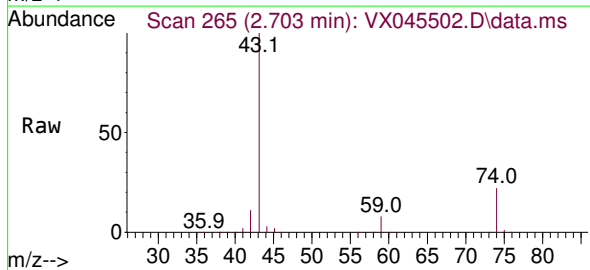
#15
Methyl Acetate
Concen: 266.284 ug/L
RT: 2.703 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 43 Resp: 28696
Ion Ratio Lower Upper
43 100
74 21.7 19.7 29.5

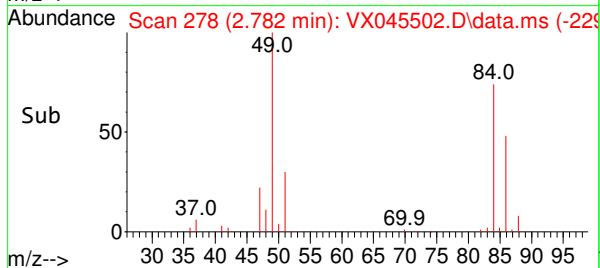
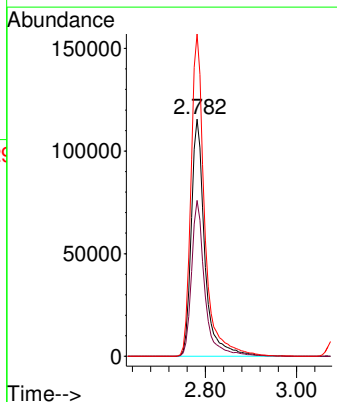
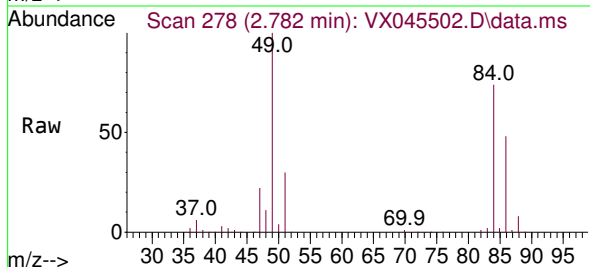
Manual Integrations
APPROVED

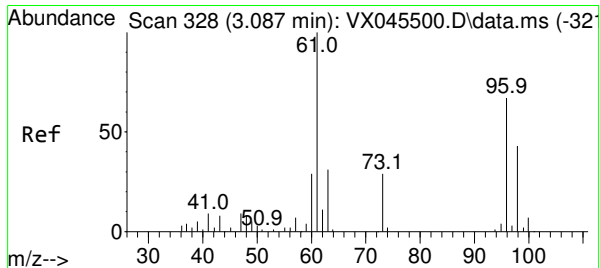
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
Methylene chloride
Concen: 232.274 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 84 Resp: 238910
Ion Ratio Lower Upper
84 100
86 65.8 45.6 84.8
49 135.9 84.6 157.0





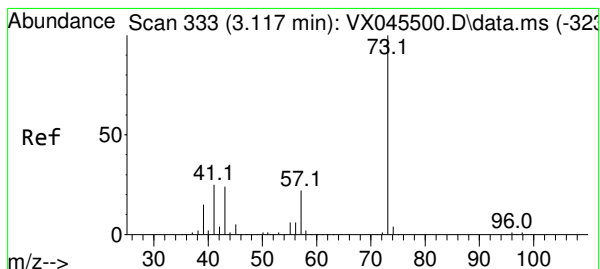
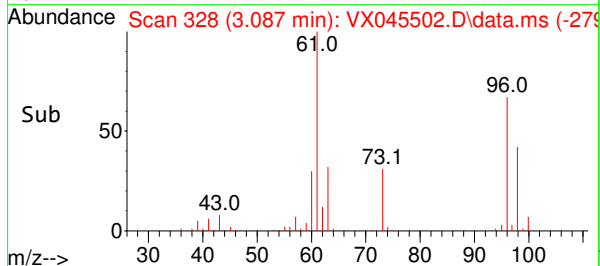
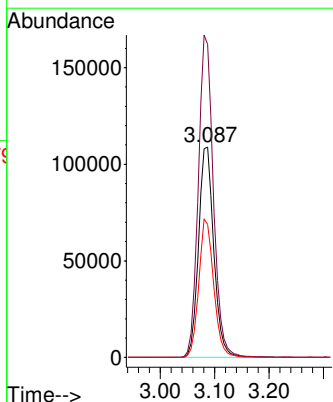
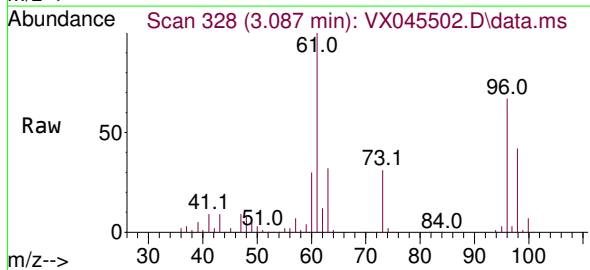
#17
trans-1,2-Dichloroethene
Concen: 226.020 ug/L
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 96 Resp: 21262
Ion Ratio Lower Upper
96 100
61 148.8 98.3 182.7
98 63.1 44.1 81.9

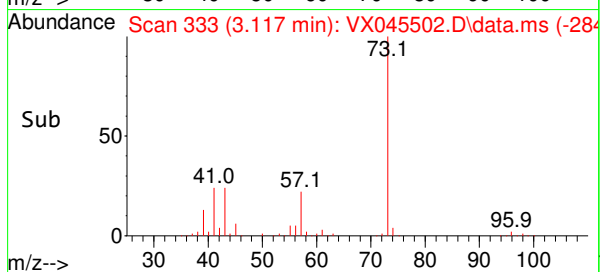
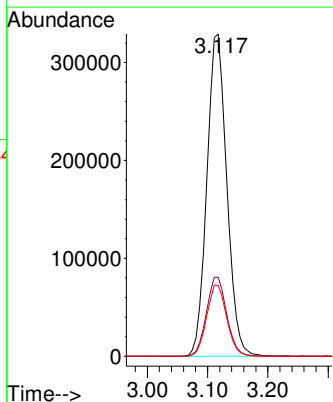
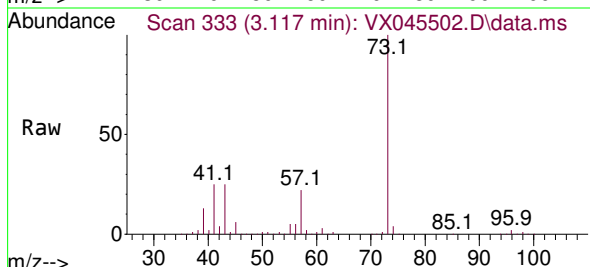
Manual Integrations
APPROVED

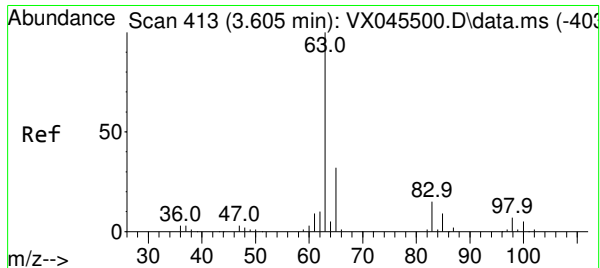
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
Methyl tert-butyl Ether
Concen: 233.227 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 73 Resp: 756447
Ion Ratio Lower Upper
73 100
43 24.9 16.9 25.3
57 22.2 17.4 26.0





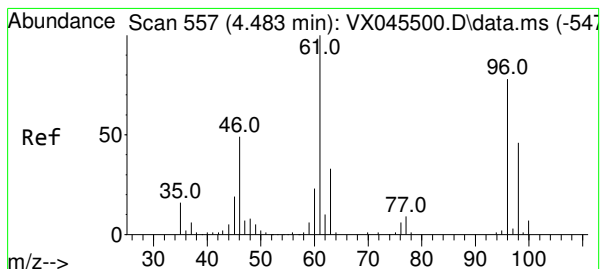
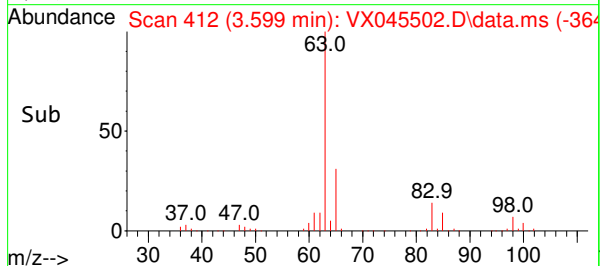
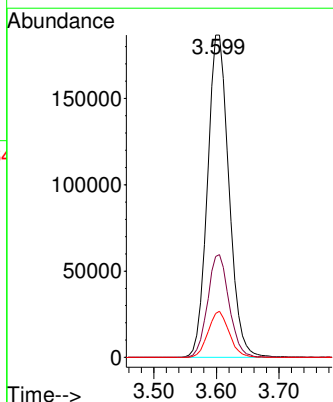
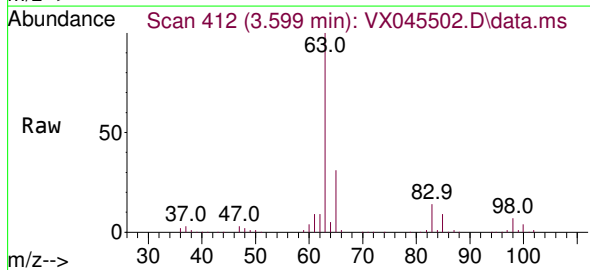
#19
1,1-Dichloroethane
Concen: 242.291 ug/L
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
ClientSampleId : VSTD200671

Tgt Ion:	63	Resp:	44567
Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.8	40.6
83	13.6	9.4	17.4

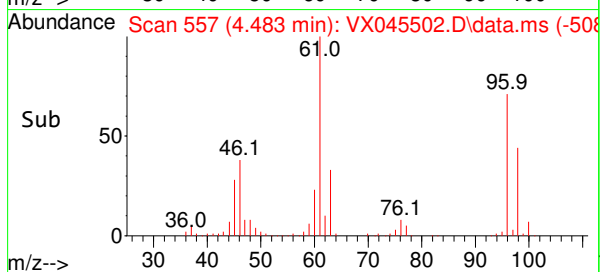
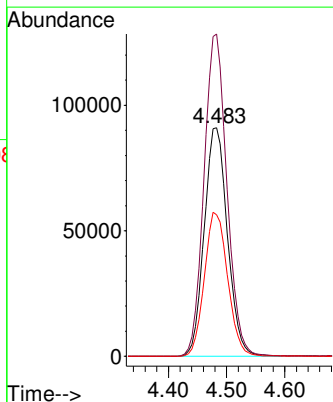
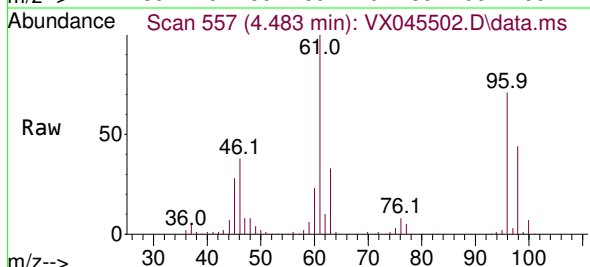
Manual Integrations
APPROVED

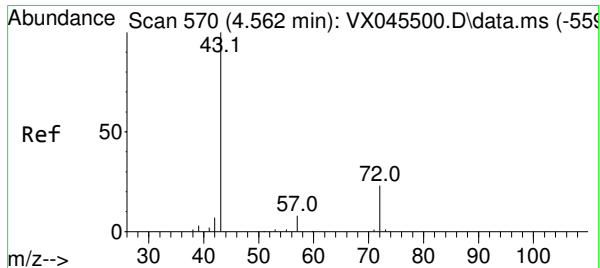
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
cis-1,2-Dichloroethene
Concen: 224.792 ug/L
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:	96	Resp:	253135
Ion	Ratio	Lower	Upper
96	100		
61	141.1	88.3	163.9
98	61.9	44.6	82.8





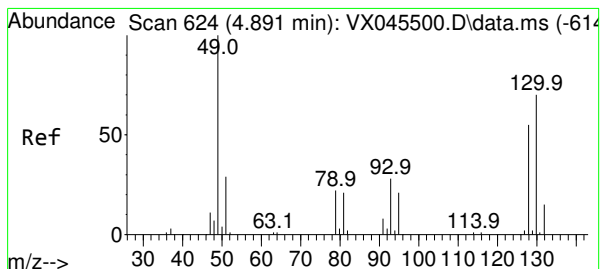
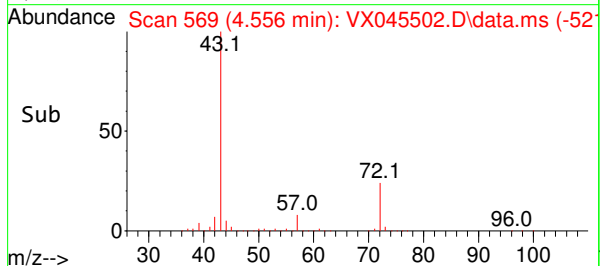
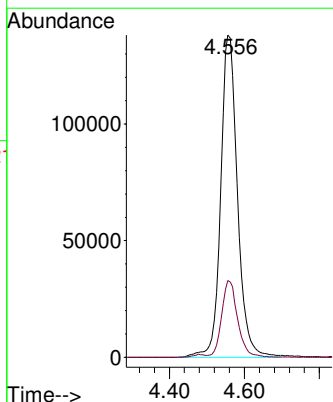
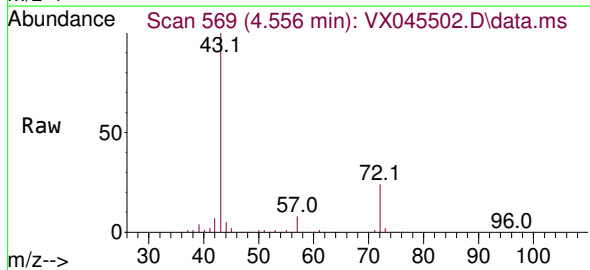
#22
2-Butanone
Concen: 559.029 ug/L
RT: 4.556 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 43 Resp: 42926
Ion Ratio Lower Upper
43 100
72 22.7 13.4 40.2

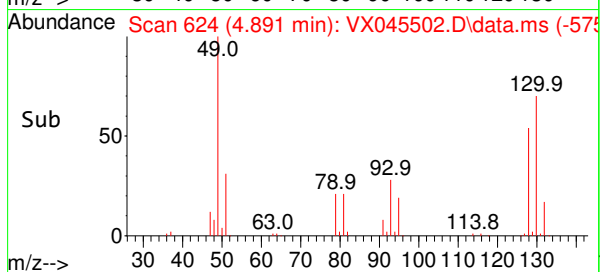
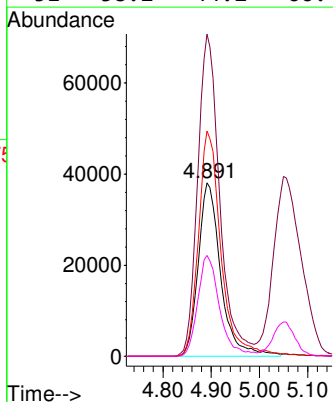
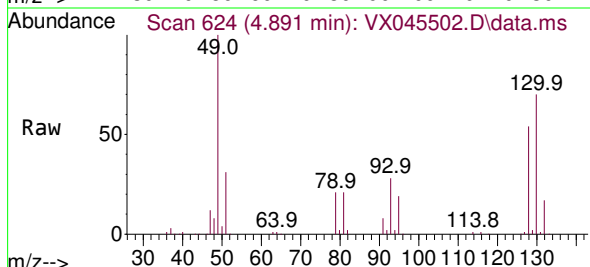
Manual Integrations
APPROVED

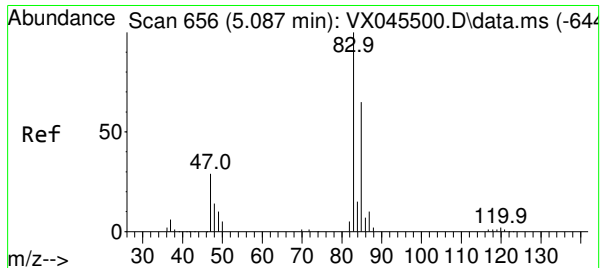
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#23
Bromochloromethane
Concen: 221.380 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:128 Resp: 122948
Ion Ratio Lower Upper
128 100
49 185.9 117.6 218.4
130 130.0 92.0 170.9
51 58.2 44.2 66.4





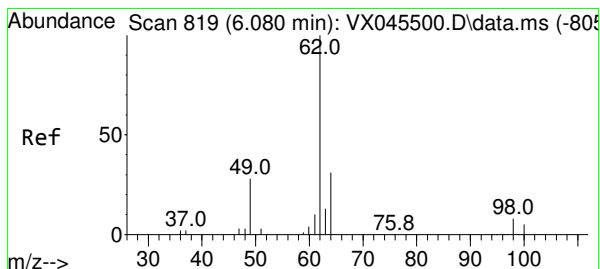
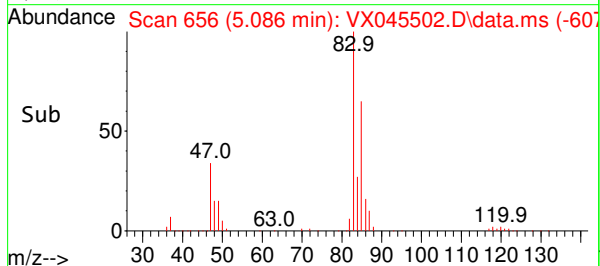
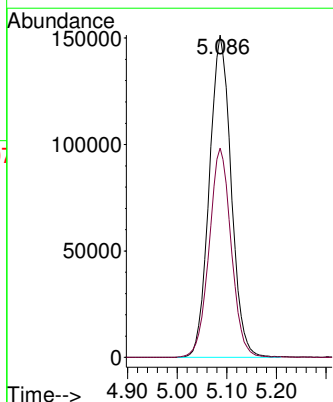
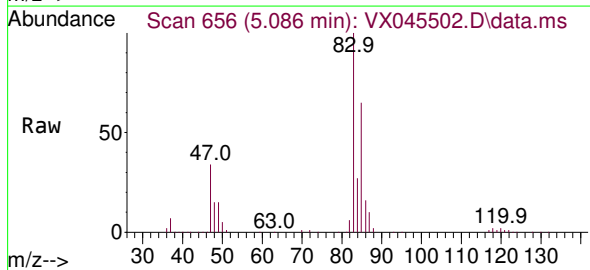
#25
Chloroform
Concen: 247.693 ug/L
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 83 Resp: 46226
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2

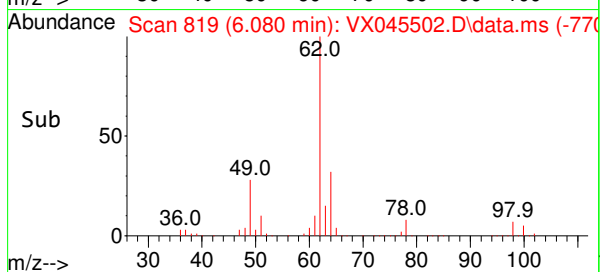
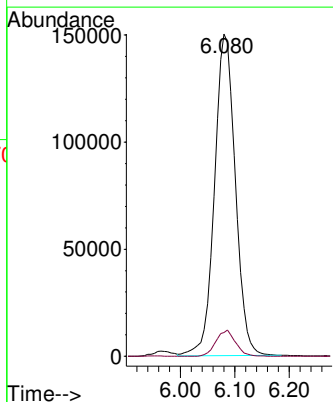
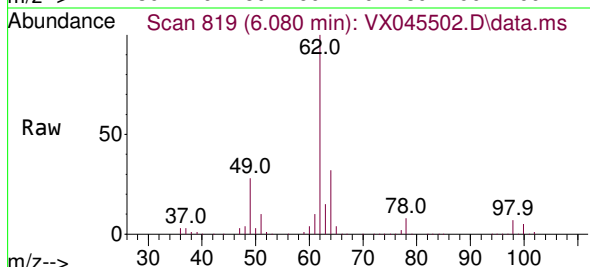
Manual Integrations
APPROVED

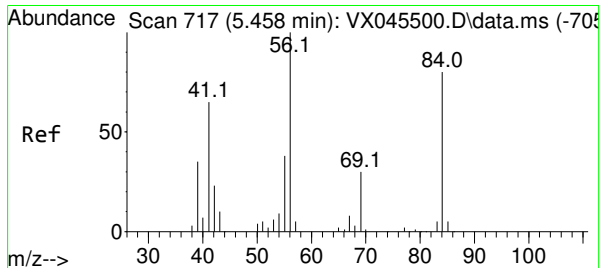
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#27
1,2-Dichloroethane
Concen: 285.156 ug/L
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 62 Resp: 399256
Ion Ratio Lower Upper
62 100
98 7.4 7.4 11.2#





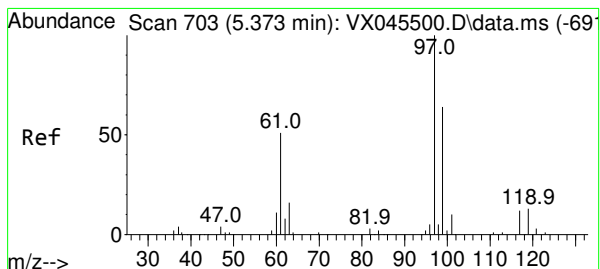
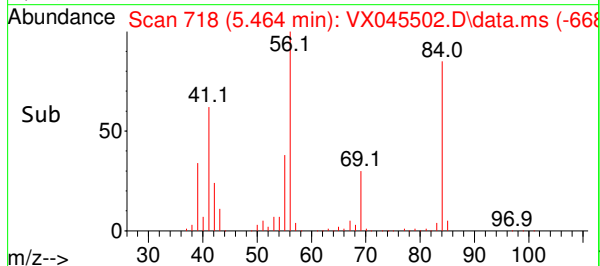
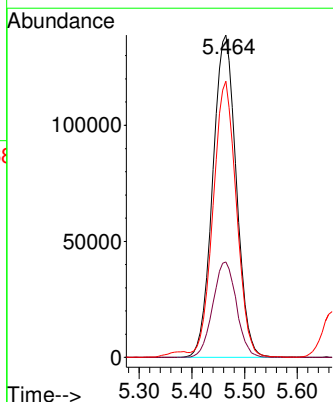
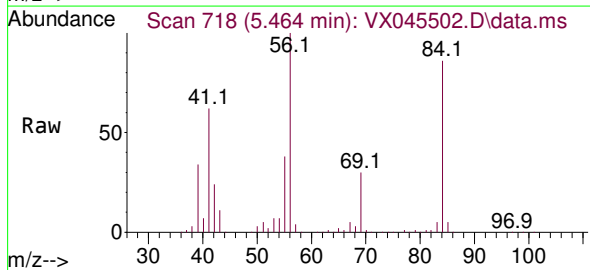
#29
Cyclohexane
Concen: 214.257 ug/L
RT: 5.464 min Scan# 717
Delta R.T. 0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 56 Resp: 43313
Ion Ratio Lower Upper
56 100
69 29.7 25.4 38.2
84 84.4 71.6 107.4

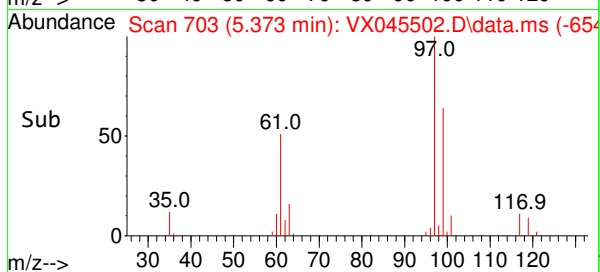
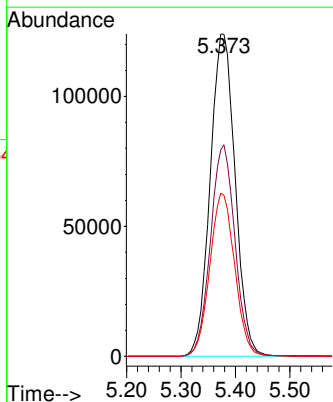
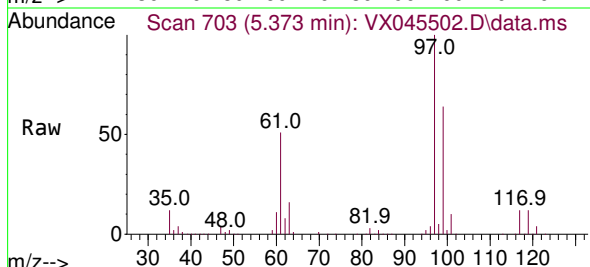
Manual Integrations
APPROVED

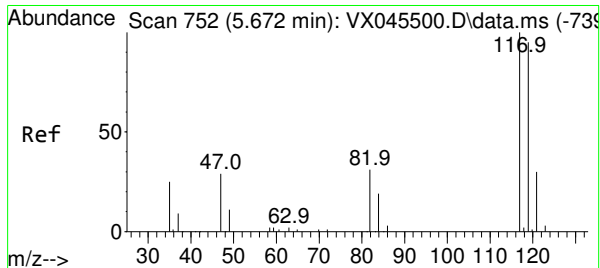
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#30
1,1,1-Trichloroethane
Concen: 236.753 ug/L
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 97 Resp: 394464
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 50.7 35.8 53.6





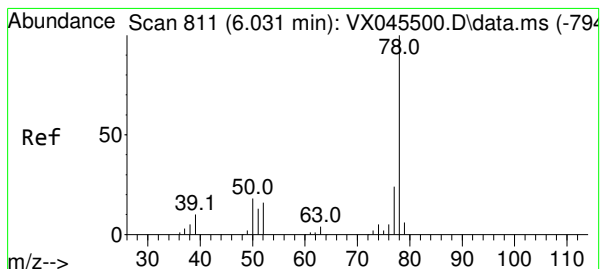
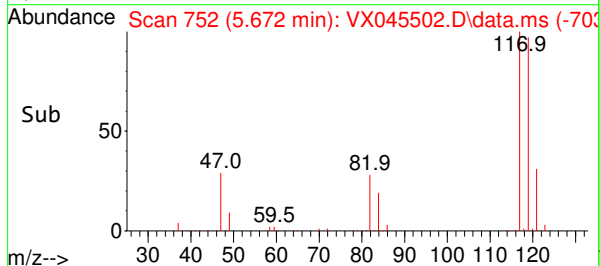
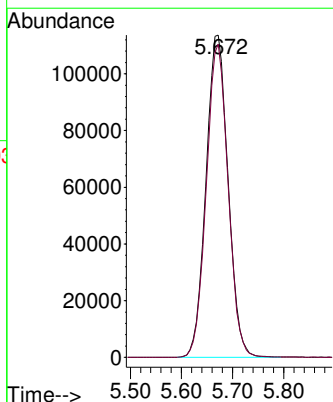
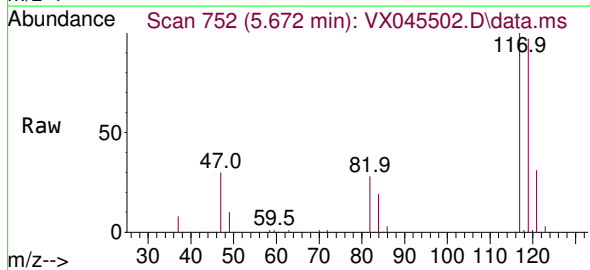
#31
Carbon tetrachloride
Concen: 238.635 ug/L
RT: 5.672 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion:117 Resp: 34097
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7

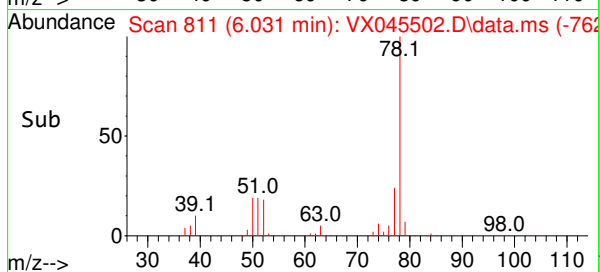
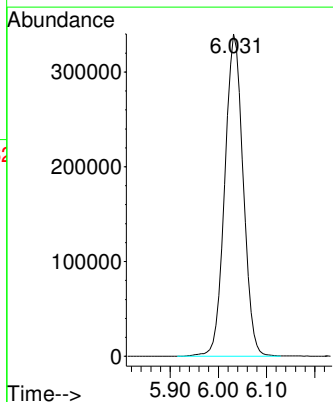
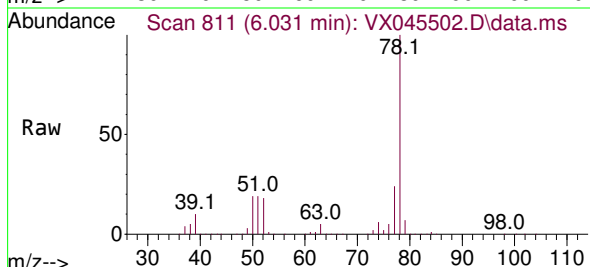
Manual Integrations
APPROVED

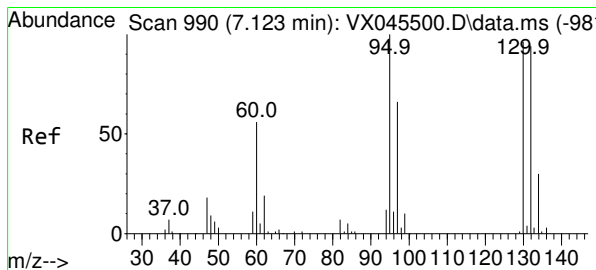
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#33
Benzene
Concen: 207.891 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 78 Resp: 902242





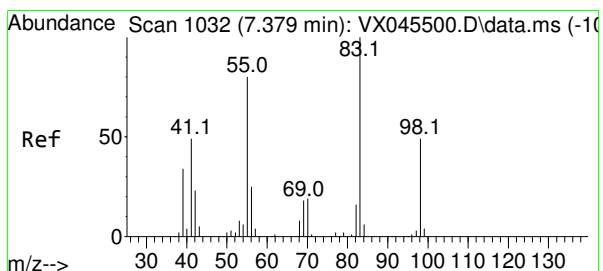
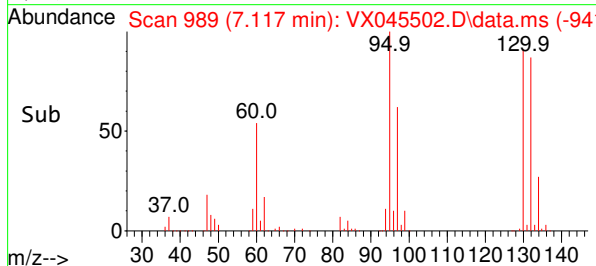
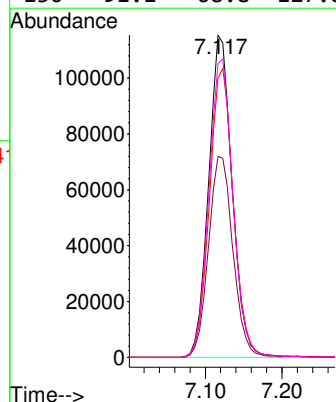
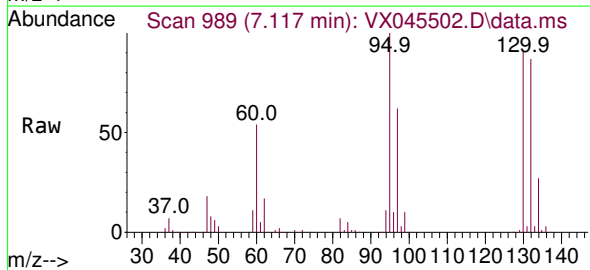
#34
Trichloroethene
Concen: 222.662 ug/L
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.3	46.1	85.5
132	86.6	64.5	119.9
130	91.1	68.8	127.8

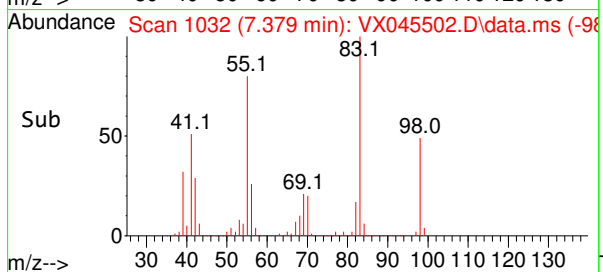
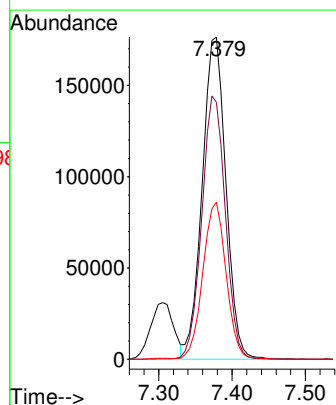
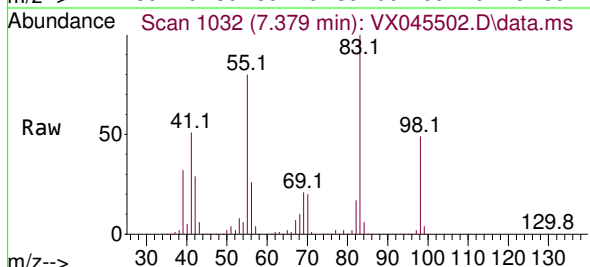
Manual Integrations
APPROVED

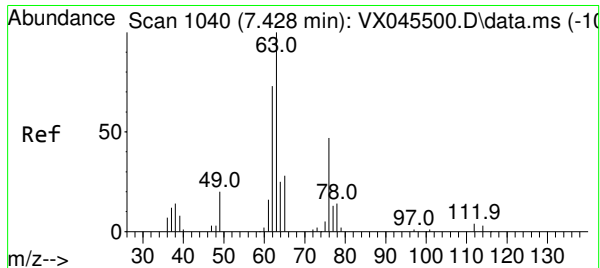
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#35
Methylcyclohexane
Concen: 209.956 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.9	60.6	90.8
98	47.9	38.9	58.3





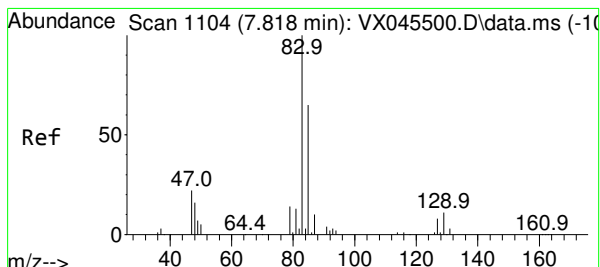
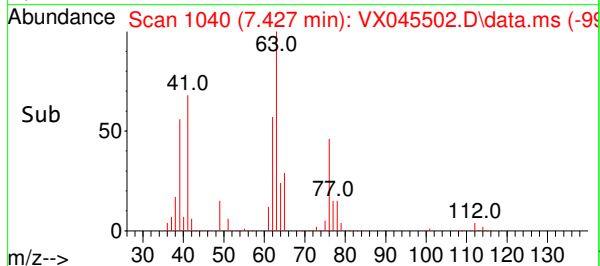
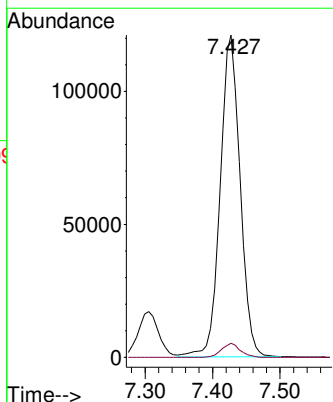
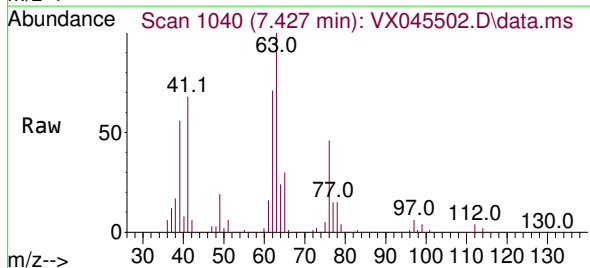
#37
1,2-Dichloropropane
Concen: 211.771 ug/L
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 63 Resp: 24859
Ion Ratio Lower Upper
63 100
112 4.1 3.5 5.3

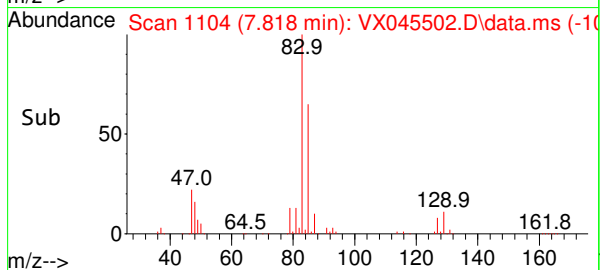
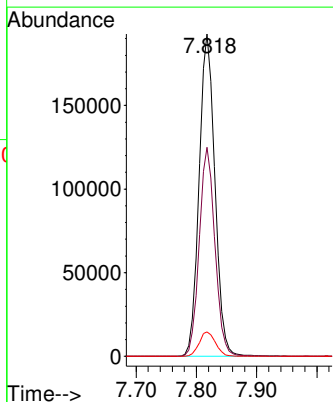
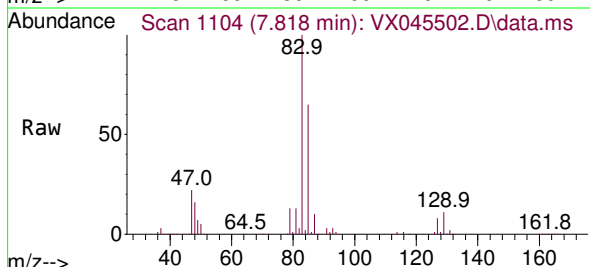
Manual Integrations
APPROVED

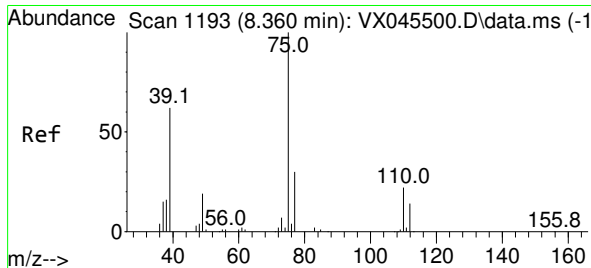
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Bromodichloromethane
Concen: 238.008 ug/L
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 83 Resp: 350658
Ion Ratio Lower Upper
83 100
85 64.8 43.8 81.3
127 7.5 6.5 9.7





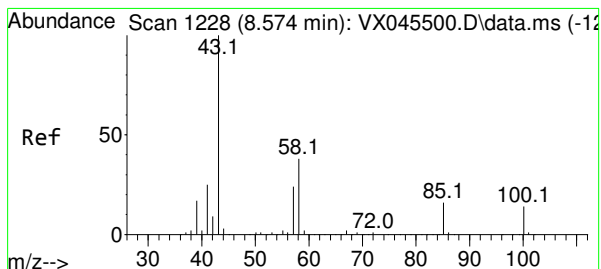
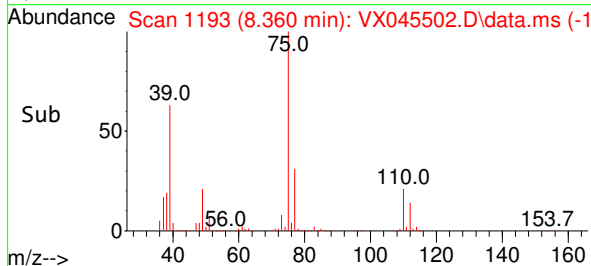
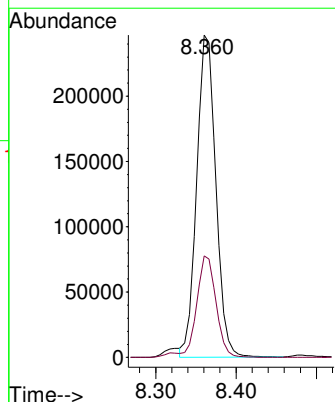
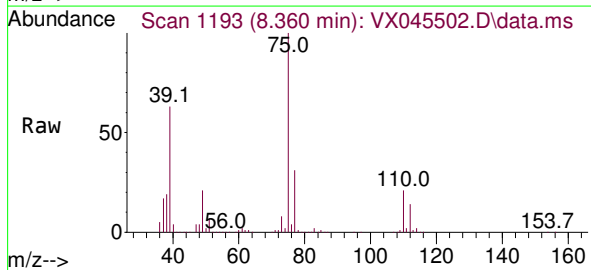
#39
 cis-1,3-Dichloropropene
 Concen: 214.905 ug/L
 RT: 8.360 min Scan# 1193
 Delta R.T. -0.000 min
 Lab File: VX045502.D
 Acq: 28 Mar 2025 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200671

Tgt Ion: 75 Resp: 40957
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3

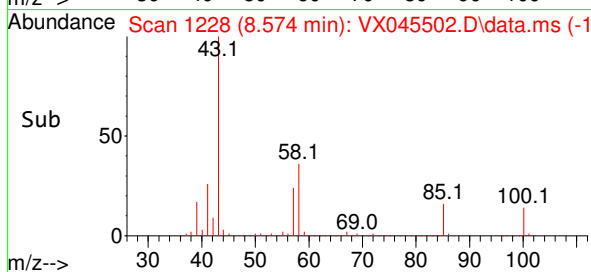
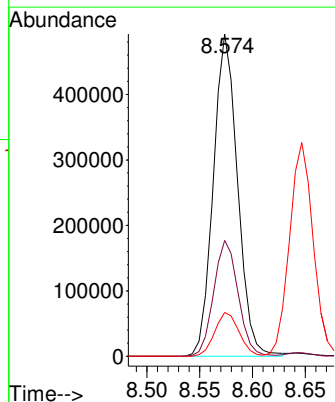
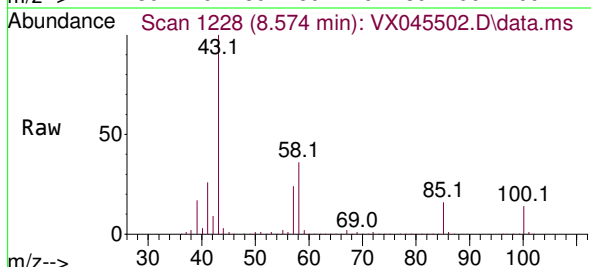
Manual Integrations
 APPROVED

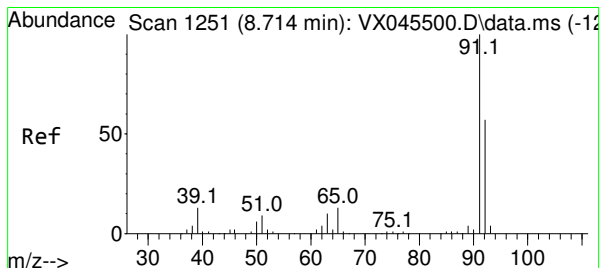
Reviewed By :John Carlone 04/01/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#40
 4-Methyl-2-pentanone
 Concen: 509.402 ug/L
 RT: 8.574 min Scan# 1228
 Delta R.T. -0.000 min
 Lab File: VX045502.D
 Acq: 28 Mar 2025 11:32

Tgt Ion: 43 Resp: 790511
 Ion Ratio Lower Upper
 43 100
 58 36.2 32.1 48.1
 100 13.8 12.9 19.3





#42

Toluene

Concen: 212.534 ug/L

RT: 8.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045502.D

Acq: 28 Mar 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200671

Tgt Ion: 91 Resp: 94633

Ion Ratio Lower Upper

91 100

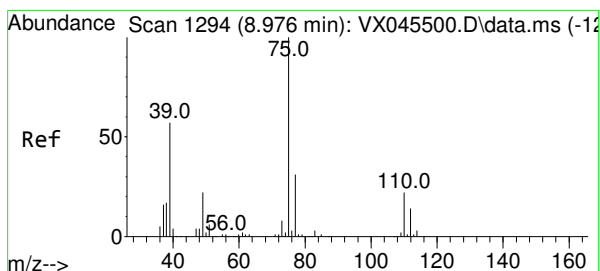
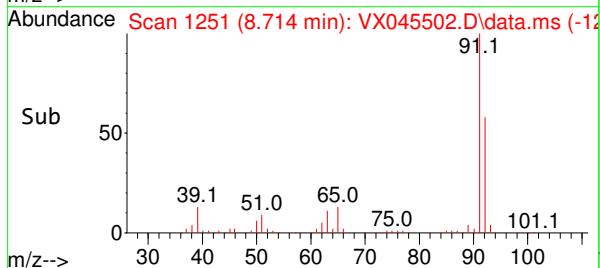
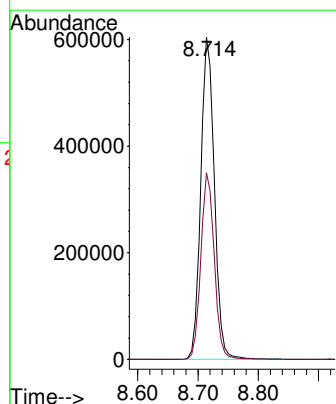
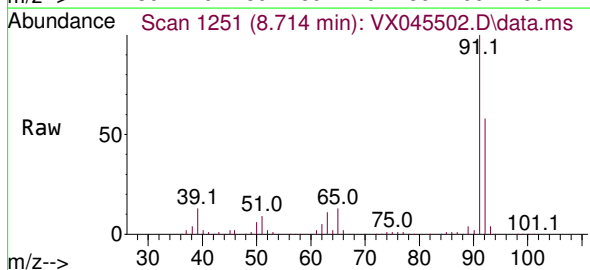
92 57.9 40.7 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/01/2025

Supervised By :Mahesh Dadoda 04/03/2025



#44

trans-1,3-Dichloropropene

Concen: 228.383 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX045502.D

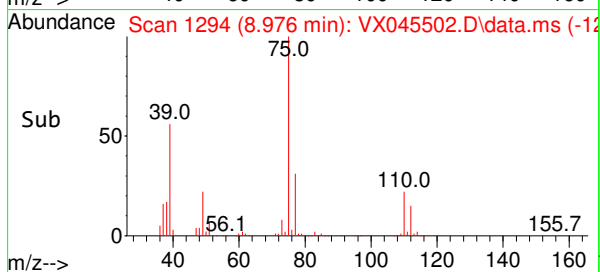
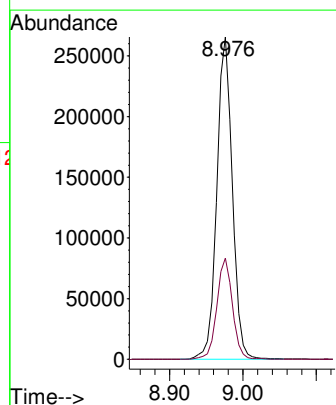
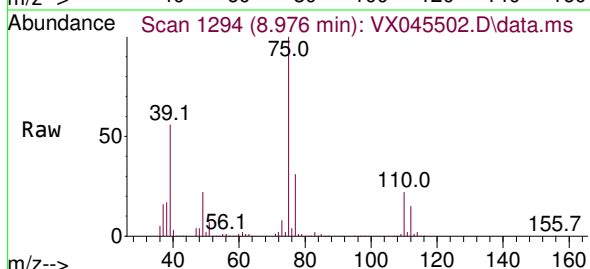
Acq: 28 Mar 2025 11:32

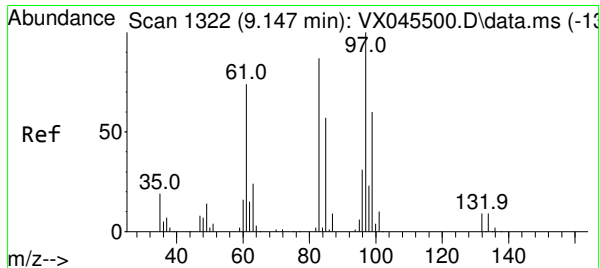
Tgt Ion: 75 Resp: 389652

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6





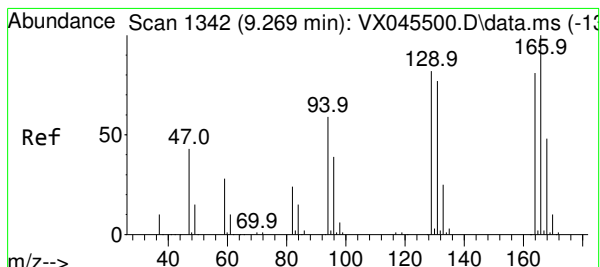
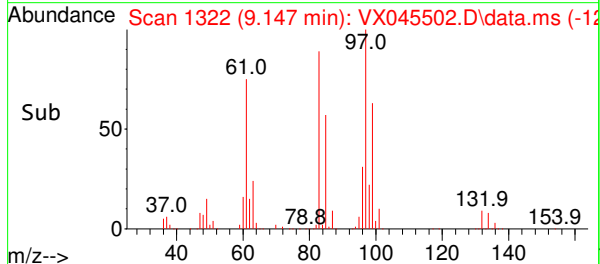
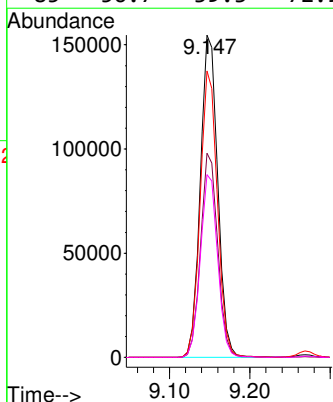
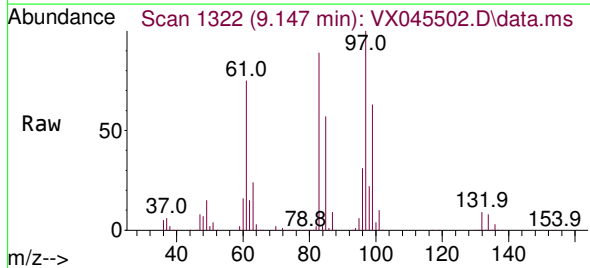
#45
1,1,2-Trichloroethane
Concen: 212.616 ug/L
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
ClientSampleId : VSTD200671

Tgt Ion:	97	Resp:	23296
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.8	83.2
83	88.8	60.8	113.6
85	56.7	39.3	72.9

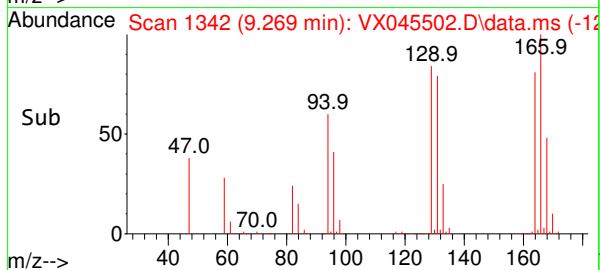
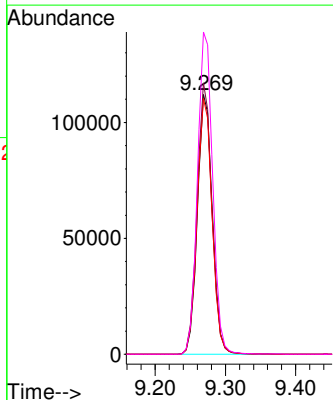
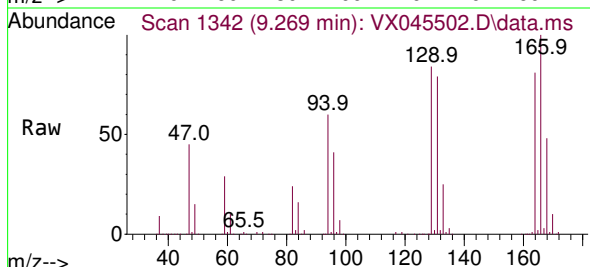
Manual Integrations
APPROVED

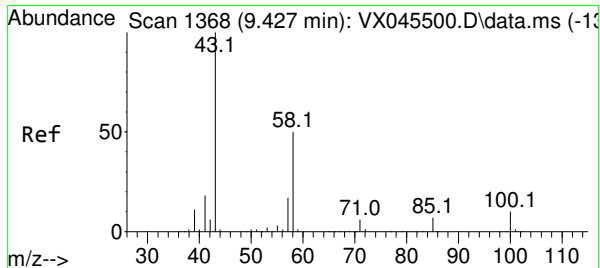
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#46
Tetrachloroethene
Concen: 211.391 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:	164	Resp:	165790
Ion	Ratio	Lower	Upper
164	100		
129	104.4	71.2	132.2
131	98.4	67.2	124.8
166	124.1	90.0	167.2





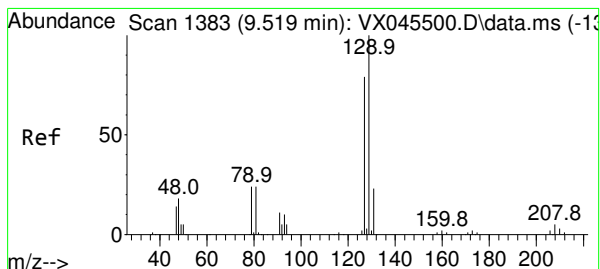
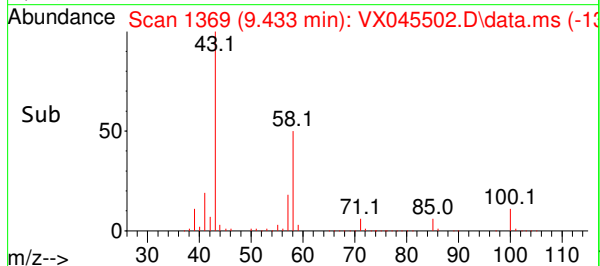
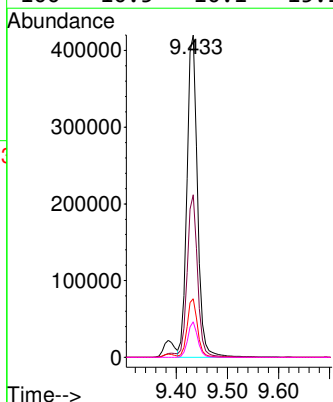
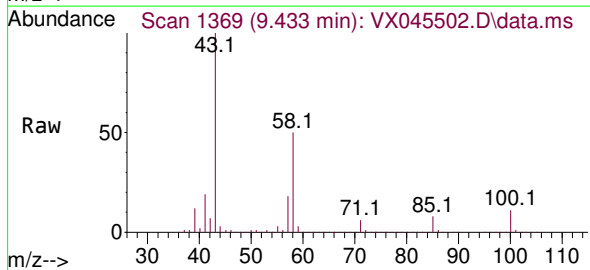
#48
2-Hexanone
Concen: 543.441 ug/L
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 43 Resp: 60428
Ion Ratio Lower Upper
43 100
58 49.1 44.3 66.5
57 18.0 15.9 23.9
100 10.5 10.1 15.1

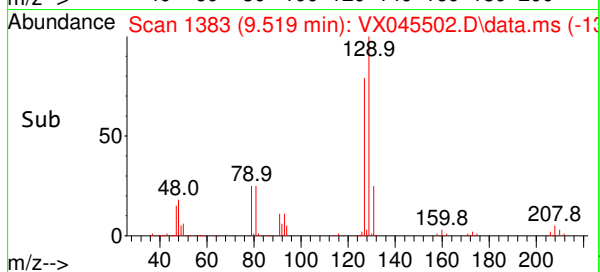
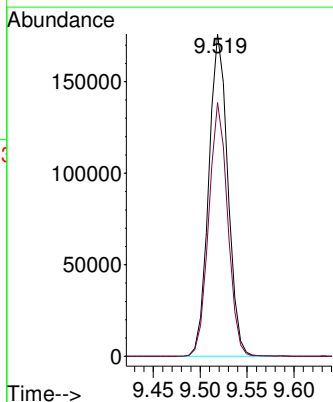
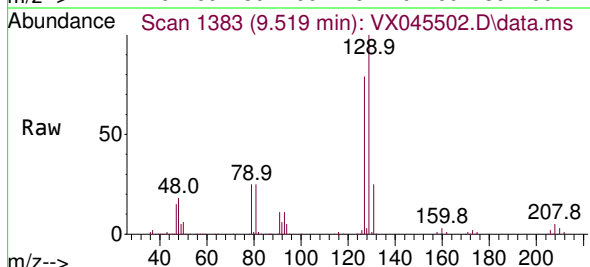
Manual Integrations
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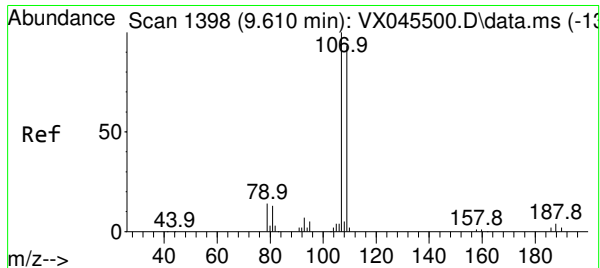
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#49
Dibromochloromethane
Concen: 225.717 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:129 Resp: 249430
Ion Ratio Lower Upper
129 100
127 78.7 53.6 99.6





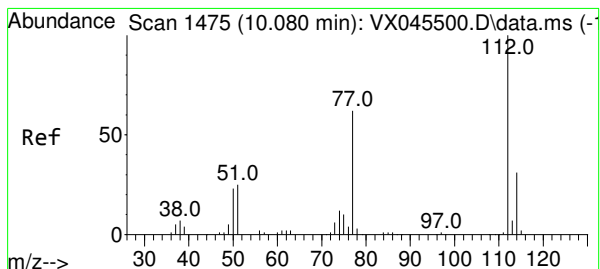
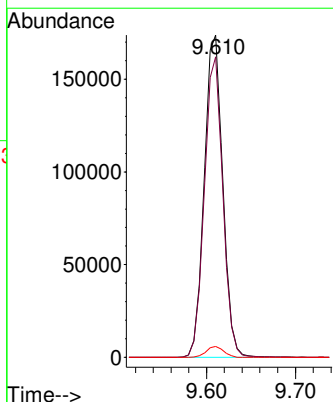
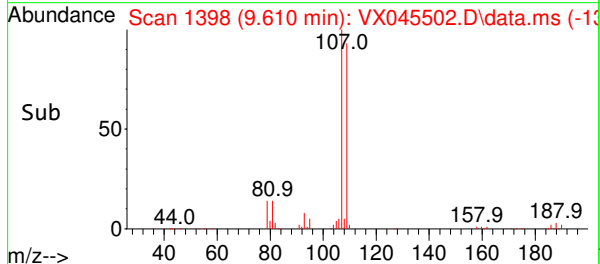
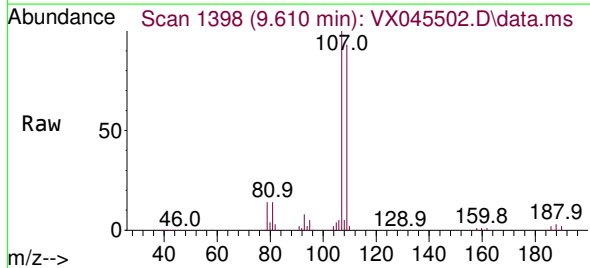
#50
1,2-Dibromoethane
Concen: 218.492 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion:107 Resp: 25092
Ion Ratio Lower Upper
107 100
109 93.2 67.2 124.8
188 3.4 2.2 3.4

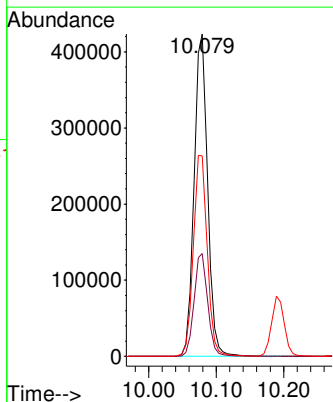
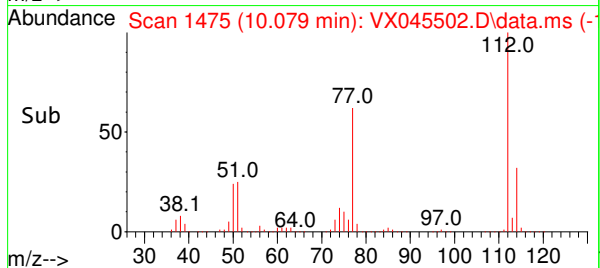
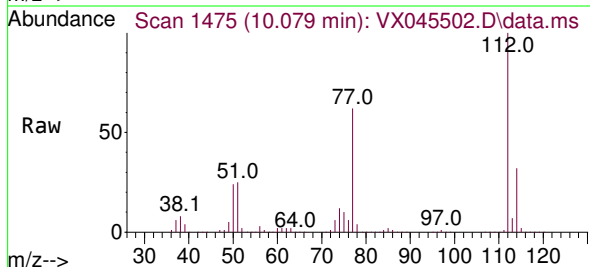
Manual Integrations
APPROVED

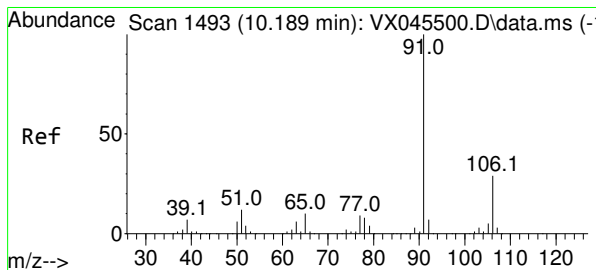
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#51
Chlorobenzene
Concen: 213.220 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:112 Resp: 592687
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 62.1 49.2 73.8





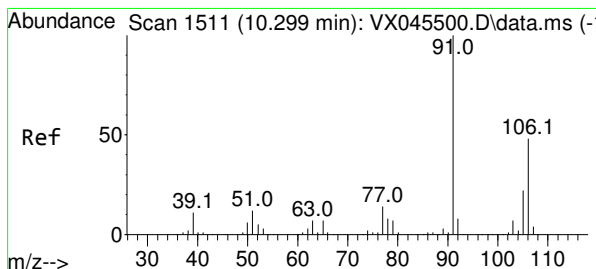
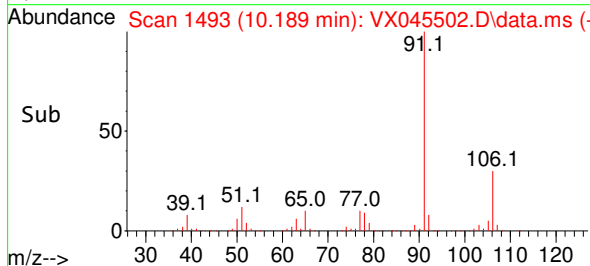
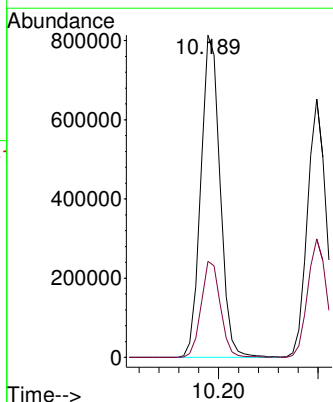
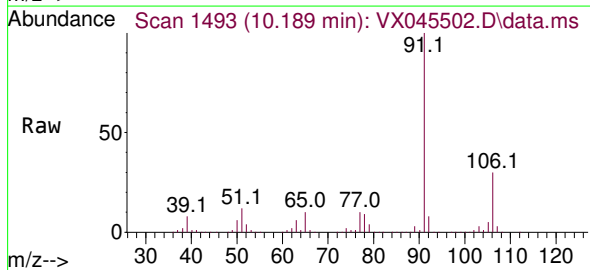
#52
Ethylbenzene
Concen: 224.133 ug/L
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
ClientSampleId : VSTD200671

Tgt Ion: 91 Resp: 109087
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3

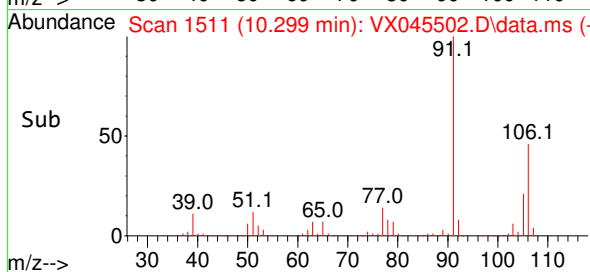
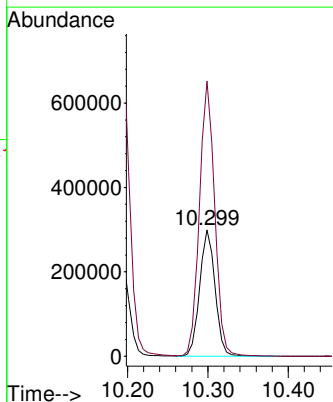
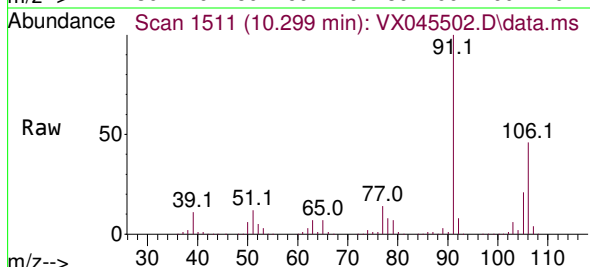
Manual Integrations
APPROVED

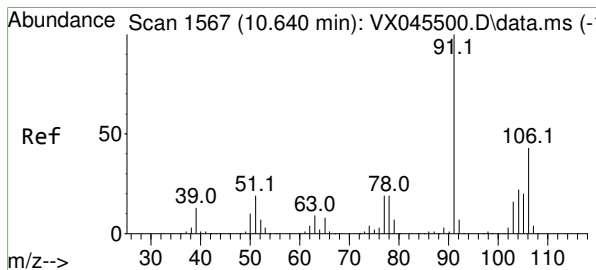
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#53
m,p-Xylene
Concen: 219.254 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:106 Resp: 400624
Ion Ratio Lower Upper
106 100
91 218.0 145.2 269.6





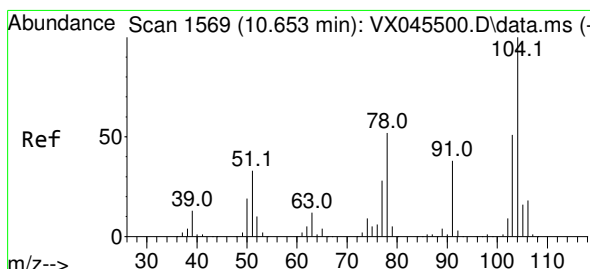
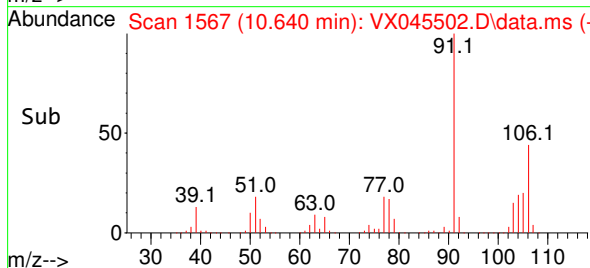
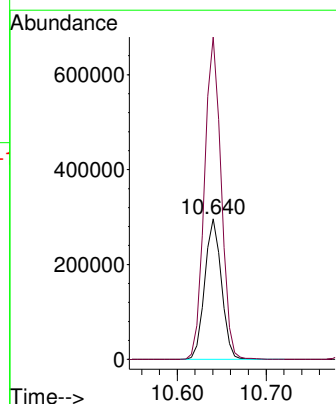
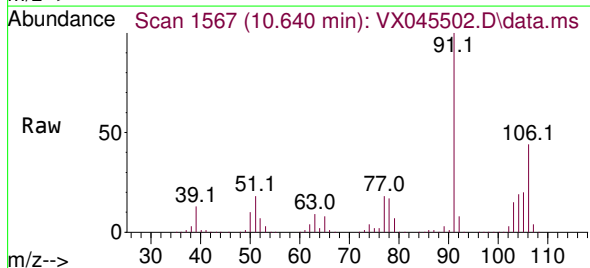
#54
o-Xylene
Concen: 214.154 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
Client Sample Id : VSTD200671

Tgt Ion:106 Resp: 38576
Ion Ratio Lower Upper
106 100
91 229.4 153.2 284.4

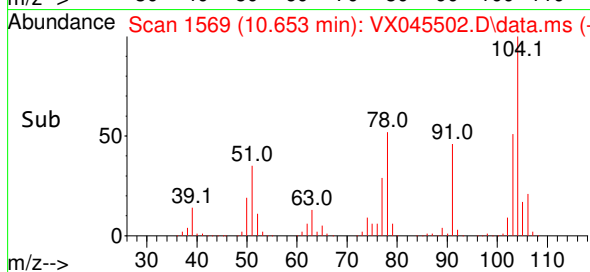
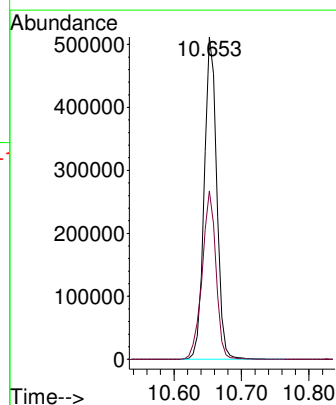
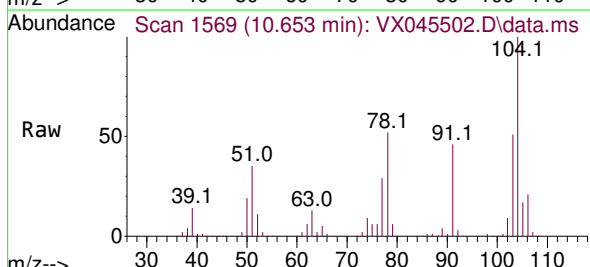
Manual Integrations
APPROVED

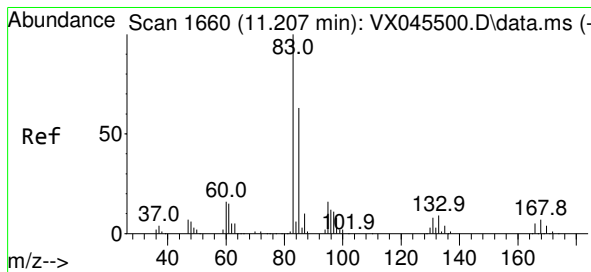
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#55
Styrene
Concen: 221.947 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:104 Resp: 659749
Ion Ratio Lower Upper
104 100
78 52.3 32.7 60.7





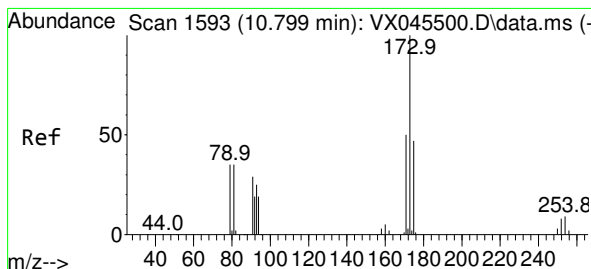
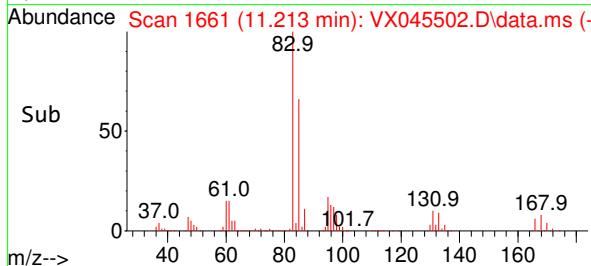
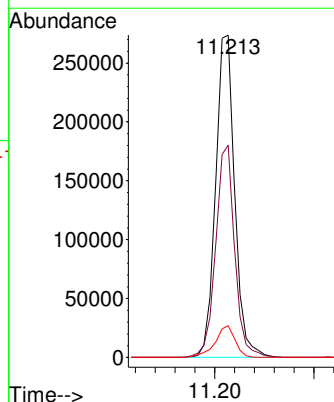
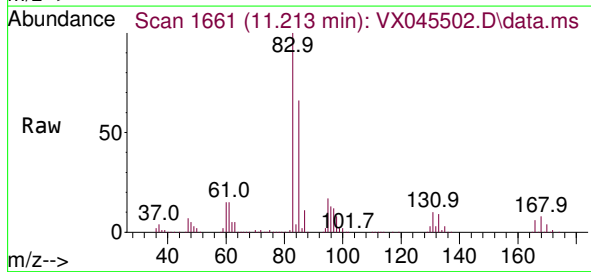
#57
1,1,2,2-Tetrachloroethane
Concen: 216.220 ug/L
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion: 83 Resp: 36759
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.5
131 9.8 8.0 12.0

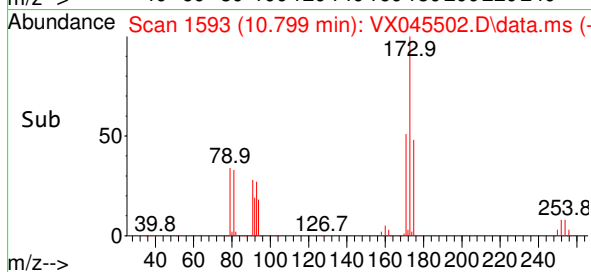
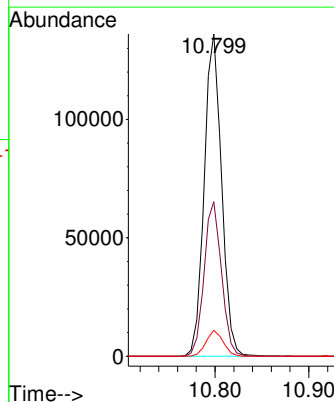
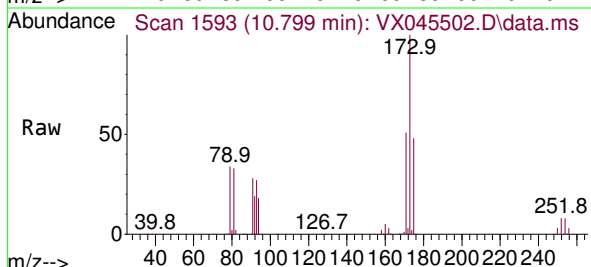
Manual Integrations
APPROVED

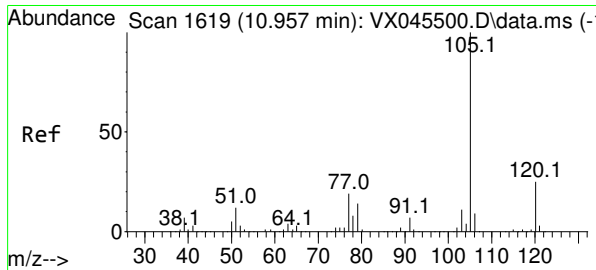
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#59
Bromoform
Concen: 216.549 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:173 Resp: 176160
Ion Ratio Lower Upper
173 100
175 48.1 38.6 58.0
254 8.0 6.6 10.0





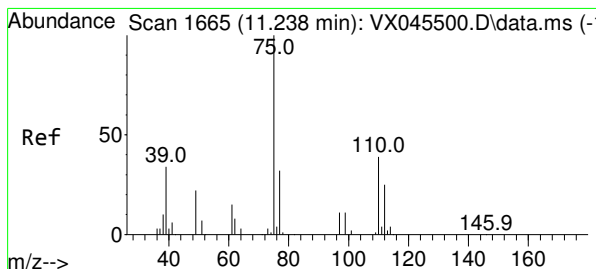
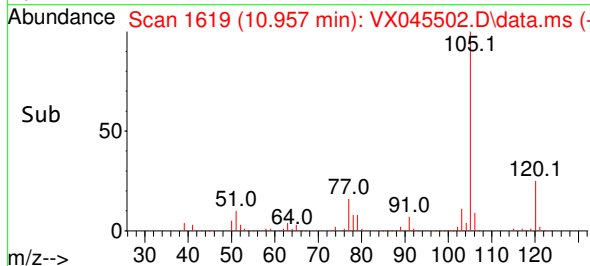
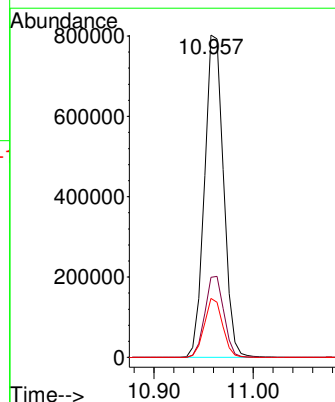
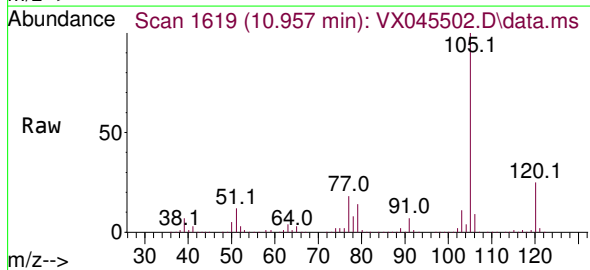
#60
Isopropylbenzene
Concen: 215.185 ug/L
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
ClientSampleId : VSTD200671

Tgt Ion:105 Resp: 106276
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 17.7 12.6 19.6

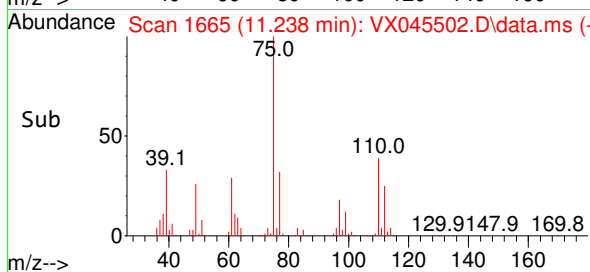
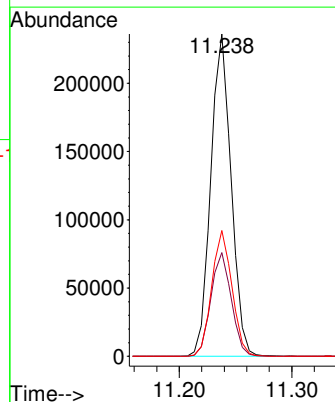
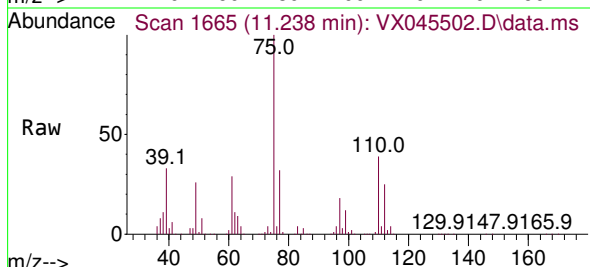
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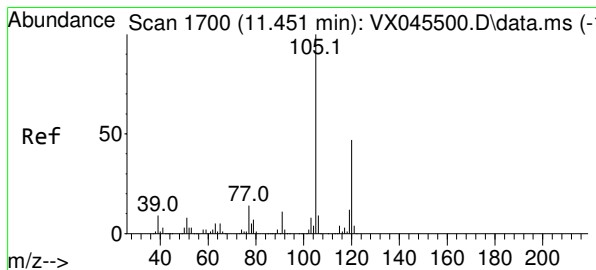
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#61
1,2,3-Trichloropropane
Concen: 218.337 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion: 75 Resp: 296435
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6
110 38.9 30.8 46.2





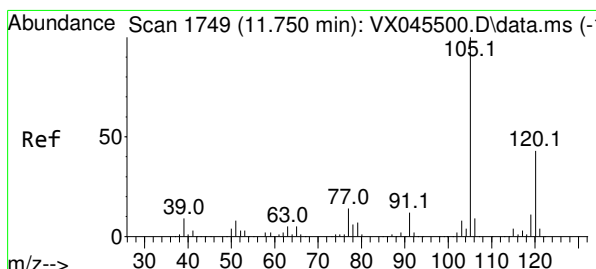
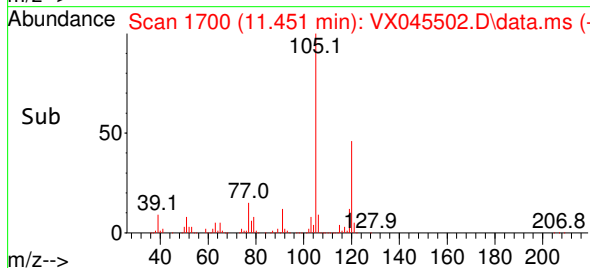
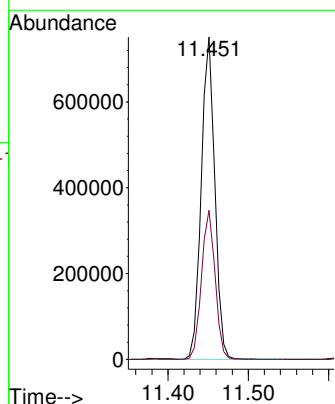
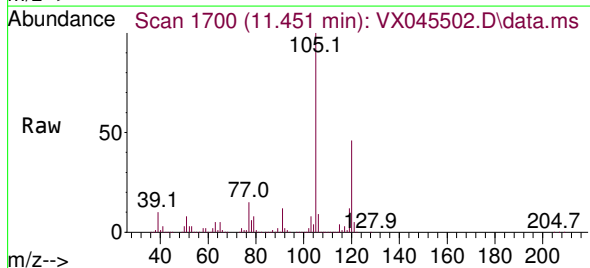
#62
1,3,5-Trimethylbenzene
Concen: 218.461 ug/L
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion:105 Resp: 88512
Ion Ratio Lower Upper
105 100
120 46.5 38.3 57.5

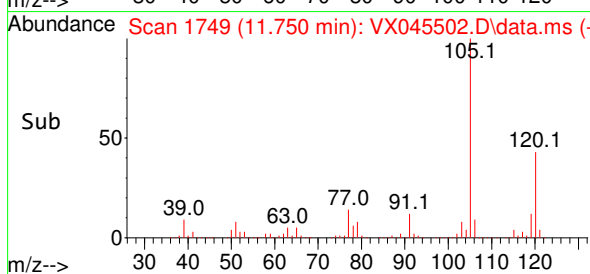
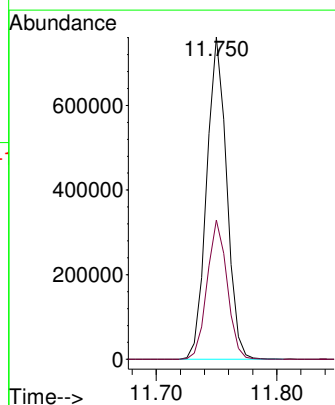
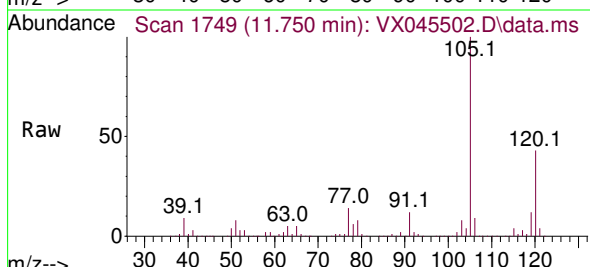
Manual Integrations
APPROVED

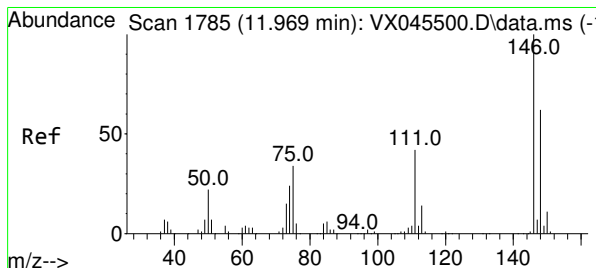
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#63
1,2,4-Trimethylbenzene
Concen: 217.758 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:105 Resp: 873862
Ion Ratio Lower Upper
105 100
120 43.2 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 210.500 ug/L

RT: 11.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045502.D

Acq: 28 Mar 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200671

Tgt Ion:146 Resp: 42737

Ion Ratio Lower Upper

146 100

111 42.5 29.5 54.9

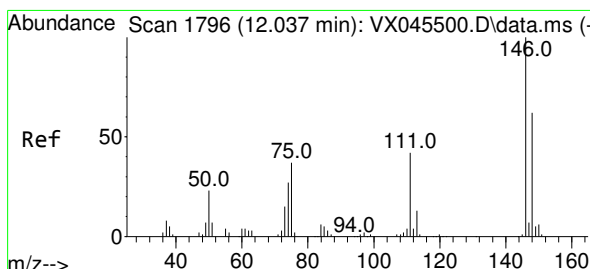
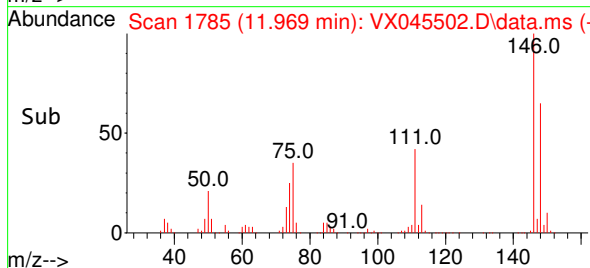
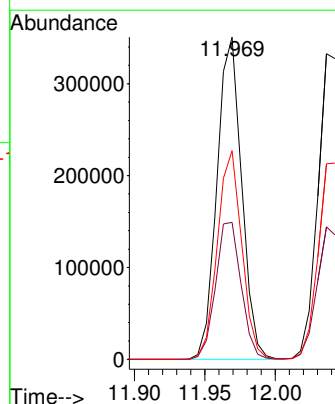
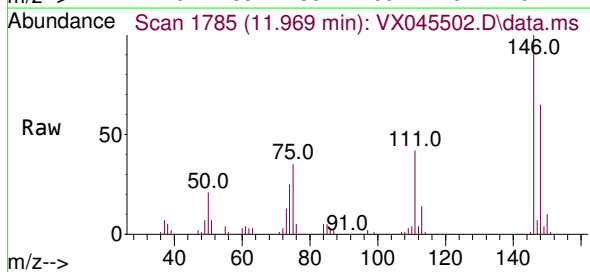
148 64.7 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/01/2025

Supervised By :Mahesh Dadoda 04/03/2025



#65

1,4-Dichlorobenzene

Concen: 209.851 ug/L

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045502.D

Acq: 28 Mar 2025 11:32

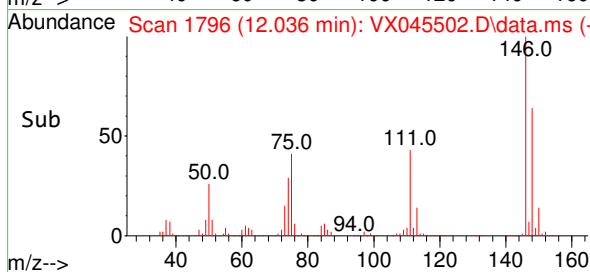
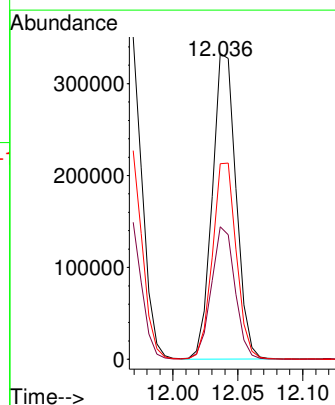
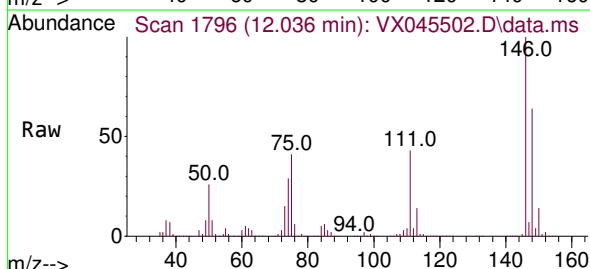
Tgt Ion:146 Resp: 424098

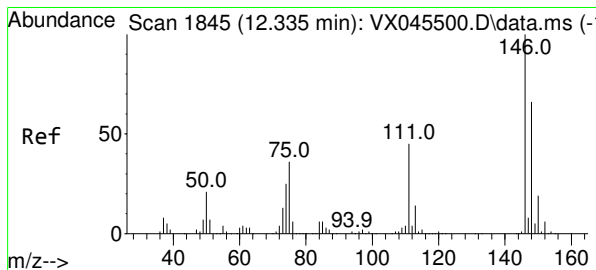
Ion Ratio Lower Upper

146 100

111 43.4 29.7 55.1

148 64.0 43.5 80.7





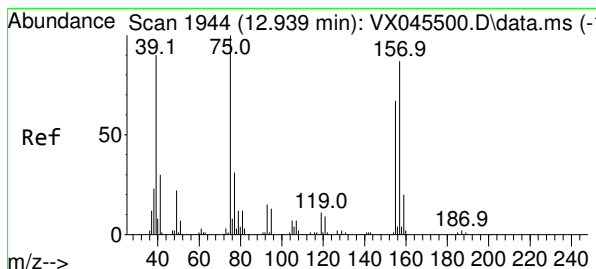
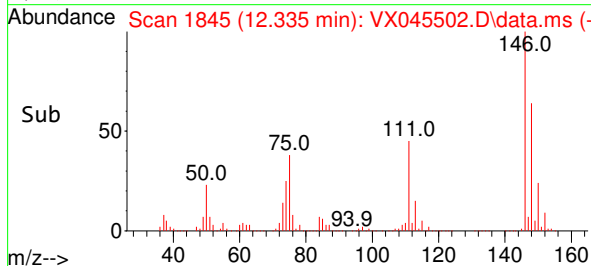
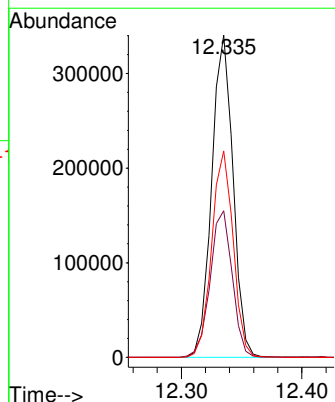
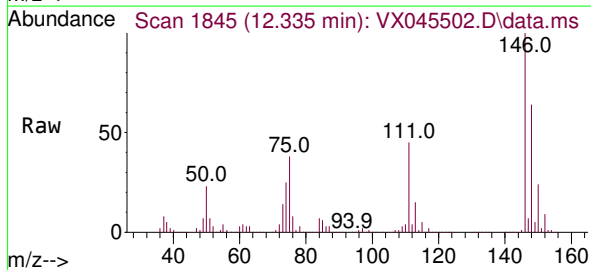
#67
1,2-Dichlorobenzene
Concen: 207.522 ug/L
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	36.1	54.1
148	64.1	51.5	77.3

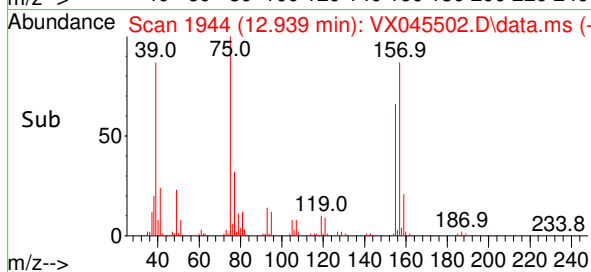
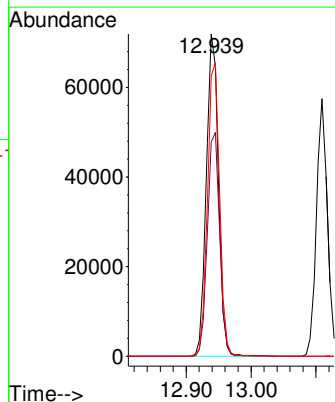
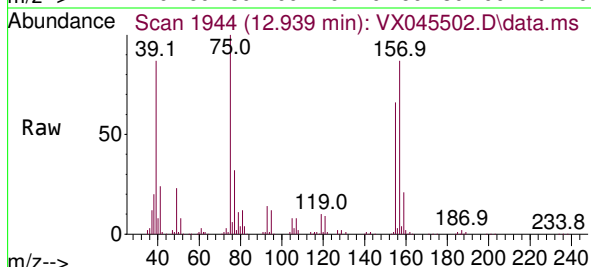
Manual Integrations
APPROVED

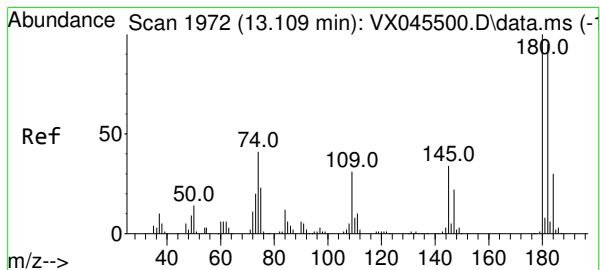
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#68
1,2-Dibromo-3-chloropropane
Concen: 250.606 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.4	62.5	93.7
157	87.0	83.5	125.3





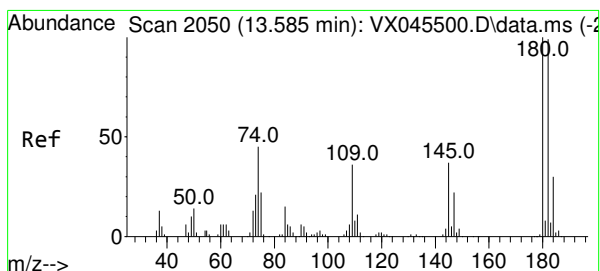
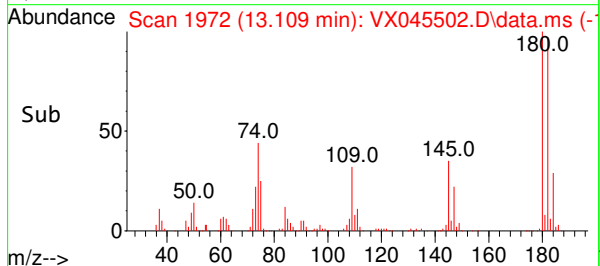
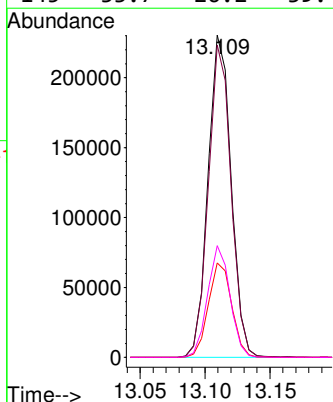
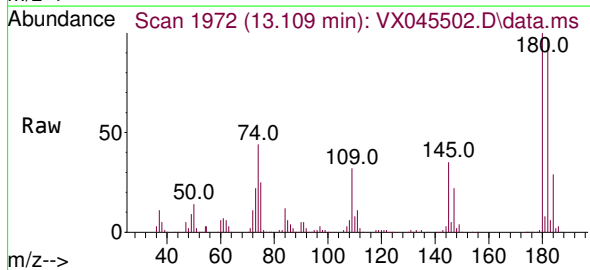
#69
1,3,5-Trichlorobenzene
Concen: 214.247 ug/L
RT: 13.109 min Scan# 1972
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument : MSVOA_X
ClientSampleId : VSTD200671

Tgt Ion:	180	Resp:	28503
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	29.8	24.0	36.0
145	33.7	26.2	39.4

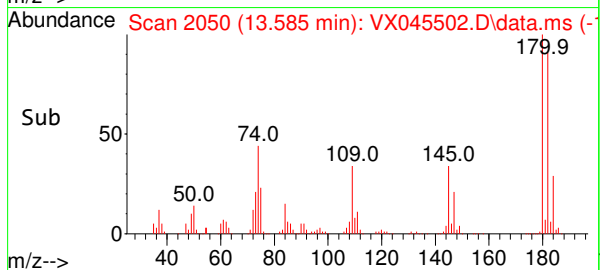
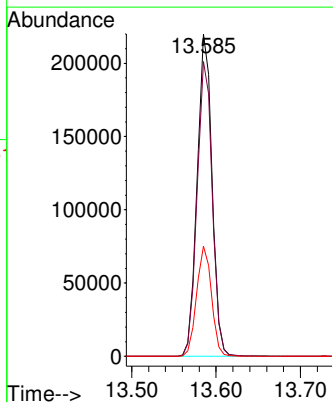
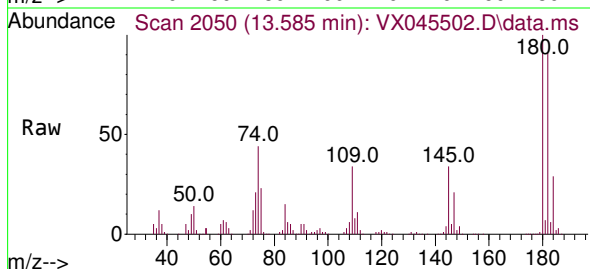
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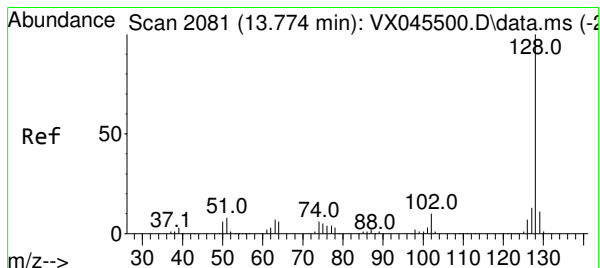
Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70
1,2,4-trichlorobenzene
Concen: 224.174 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:	180	Resp:	268875
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.5	114.7
145	34.1	27.0	40.4





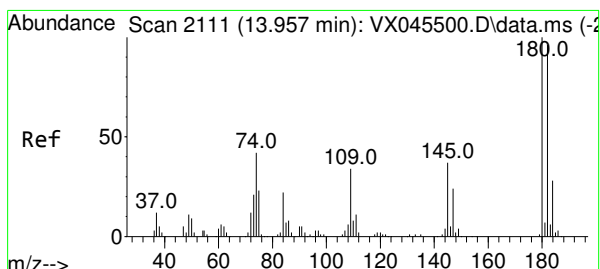
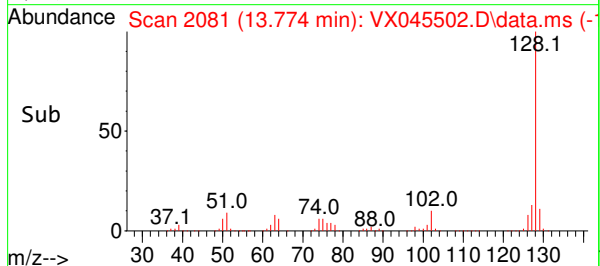
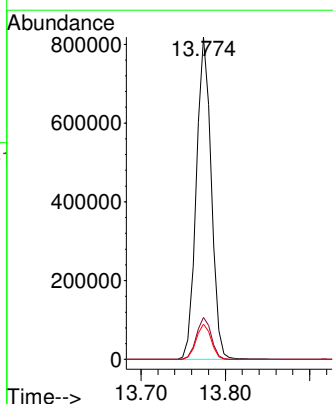
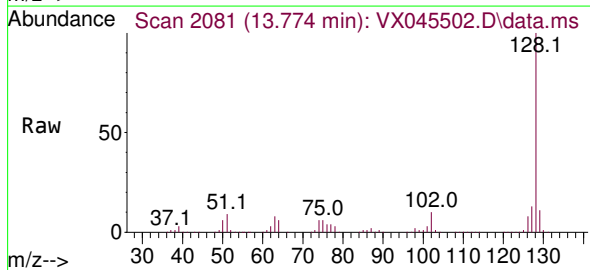
#71
Naphthalene
Concen: 215.779 ug/L
RT: 13.774 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200671

Tgt Ion:128 Resp: 100372
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.0 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 04/01/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
1,2,3-Trichlorobenzene
Concen: 221.342 ug/L
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045502.D
Acq: 28 Mar 2025 11:32

Tgt Ion:180 Resp: 269201
Ion Ratio Lower Upper
180 100
182 94.9 77.1 115.7
145 36.2 28.3 42.5

