

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033125\
 Data File : VX045514.D
 Acq On : 31 Mar 2025 11:44
 Operator : JC/MD
 Sample : Q1546-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Quant Time: Apr 07 12:13:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML032825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 07 12:12:10 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	182553	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	162011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	67747	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	61430	45.002	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.000%		
7) Chloroethane-d5	1.654	69	46823	52.360	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.720%		
11) 1,1-Dichloroethene-d2	2.300	65	34443	48.425	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.860%		
21) 2-Butanone-d5	4.452	46	104320	114.869	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.870%		
24) Chloroform-d	5.050	84	149660	49.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.800%		
26) 1,2-Dichloroethane-d4	5.946	65	106358	50.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.360%		
32) Benzene-d6	5.964	84	276199	52.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.180%		
36) 1,2-Dichloropropane-d6	7.299	67	87537	51.754	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.500%		
41) Toluene-d8	8.647	98	241180	50.852	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.700%		
43) trans-1,3-Dichloroprop...	8.945	79	35311	50.844	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.680%		
47) 2-Hexanone-d5	9.378	63	71211	110.390	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.390%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114694	51.083	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.160%		
66) 1,2-Dichlorobenzene-d4	12.317	152	77015	53.478	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4678	2.397	ug/L	100
3) Chloromethane	1.301	50	4042	2.346	ug/L	91
5) Vinyl chloride	1.374	62	4439	2.771	ug/L #	80
6) Bromomethane	1.593	94	1938	2.705	ug/L	88
8) Chloroethane	1.672	64	2110	2.635	ug/L	92
9) Trichlorofluoromethane	1.880	101	6093	2.769	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	4679	3.337	ug/L	88
12) 1,1-Dichloroethene	2.313	96	4025	3.216	ug/L #	1
13) Acetone	2.380	43	5822	6.766	ug/L	92
14) Carbon disulfide	2.502	76	7949	2.465	ug/L	99
15) Methyl Acetate	2.703	43	4320	2.528	ug/L	91
16) Methylene chloride	2.782	84	4017	2.770	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	3250	2.597	ug/L	91
18) Methyl tert-butyl Ether	3.111	73	10793	2.485	ug/L #	94
19) 1,1-Dichloroethane	3.605	63	6895	2.640	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	4103	2.847	ug/L	96
22) 2-Butanone	4.574	43	5478m	4.387	ug/L	
23) Bromochloromethane	4.897	128	1778	2.493	ug/L #	72
27) 1,2-Dichloroethane	6.086	62	6311	2.684	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.452	56	6179m	2.516	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	6138	2.763	ug/L #	66
31) Carbon tetrachloride	5.666	117	5087	2.640	ug/L	96
33) Benzene	6.031	78	14383	2.705	ug/L	100
35) Methylcyclohexane	7.373	83	6256	2.772	ug/L	95
37) 1,2-Dichloropropane	7.427	63	3484	2.417	ug/L #	91
38) Bromodichloromethane	7.824	83	5265	2.659	ug/L	90
39) cis-1,3-Dichloropropene	8.366	75	5534	2.621	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	10443	4.732	ug/L #	94
42) Toluene	8.714	91	14798	2.713	ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	5201	2.644	ug/L	86
45) 1,1,2-Trichloroethane	9.153	97	3778	2.729	ug/L	98
46) Tetrachloroethene	9.269	164	2686	2.772	ug/L	99
48) 2-Hexanone	9.433	43	10000	6.011	ug/L #	92
49) Dibromochloromethane	9.519	129	3652	2.644	ug/L	99
50) 1,2-Dibromoethane	9.610	107	3778	2.623	ug/L	96
51) Chlorobenzene	10.073	112	9208	2.690	ug/L	97
52) Ethylbenzene	10.195	91	15707	2.558	ug/L	96
53) m,p-Xylene	10.299	106	5468	2.456	ug/L	99
54) o-Xylene	10.640	106	5337	2.441	ug/L	99
55) Styrene	10.659	104	8696	2.376	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	6425	2.952	ug/L #	98
59) Bromoform	10.799	173	2094	2.448	ug/L #	98
60) Isopropylbenzene	10.963	105	14377	2.601	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	4588	2.777	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	11323	2.504	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	11221	2.528	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	5673	2.526	ug/L	86
65) 1,4-Dichlorobenzene	12.036	146	6112	2.729	ug/L	98
67) 1,2-Dichlorobenzene	12.329	146	6525	2.921	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1055	2.375	ug/L	88
69) 1,3,5-Trichlorobenzene	13.109	180	3659	2.574	ug/L	95
70) 1,2,4-trichlorobenzene	13.585	180	2994	2.388	ug/L	97
71) Naphthalene	13.774	128	11155	2.353	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	2836	2.201	ug/L	94

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

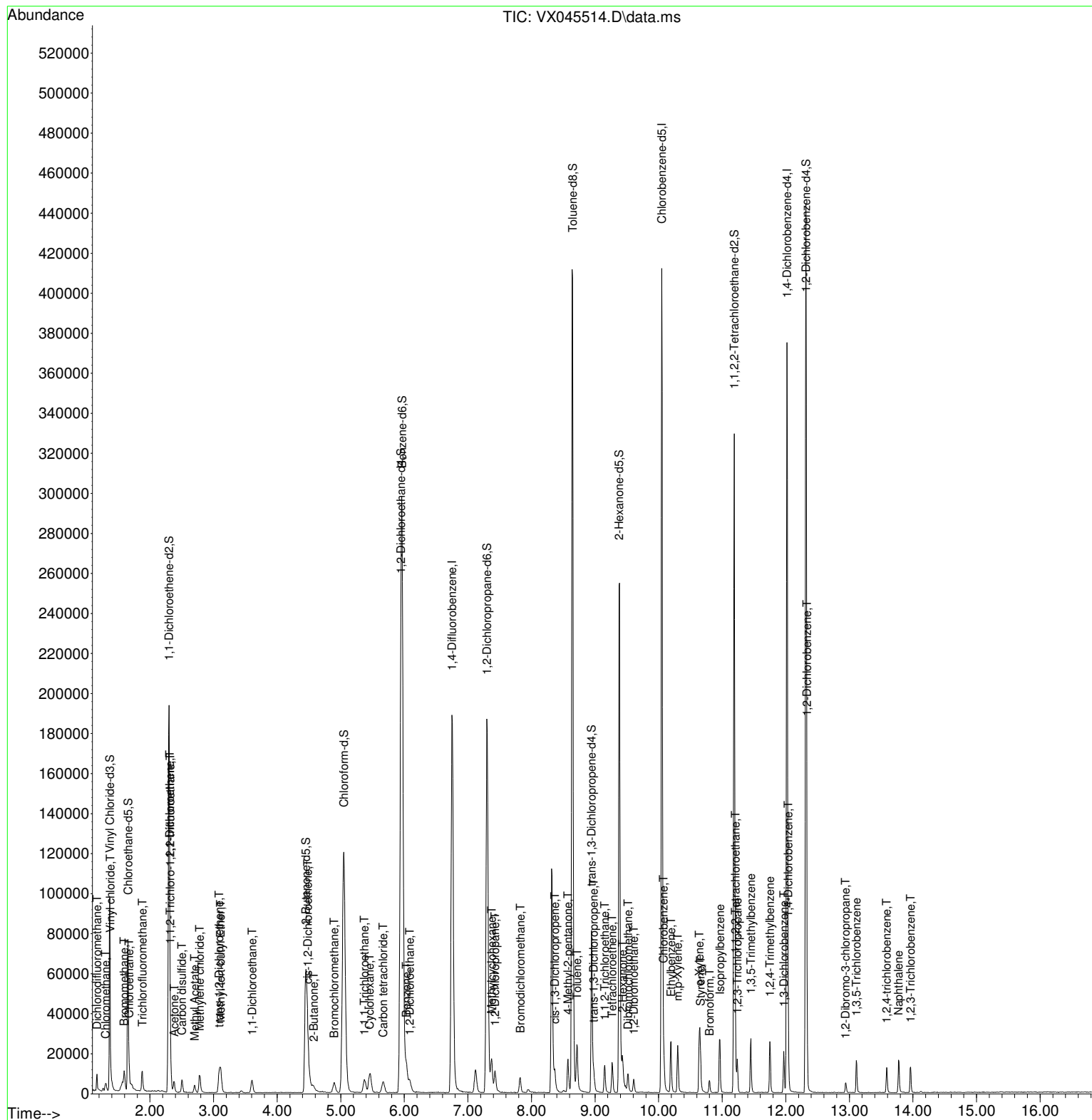
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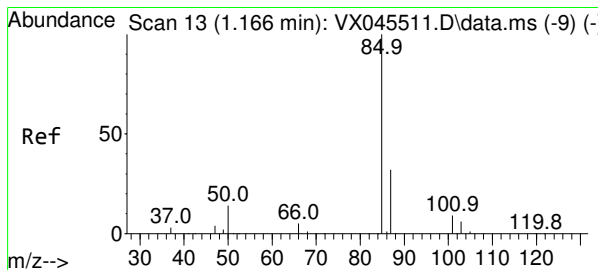
Instrument :
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ClientSampleId :
MDL-WATER-QT1-2025-02

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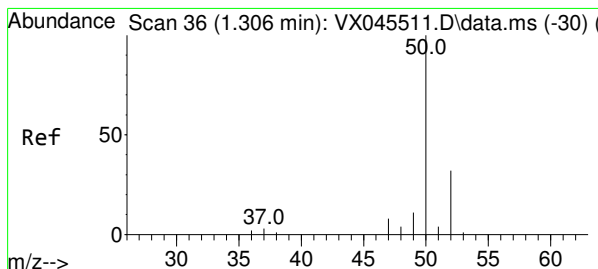
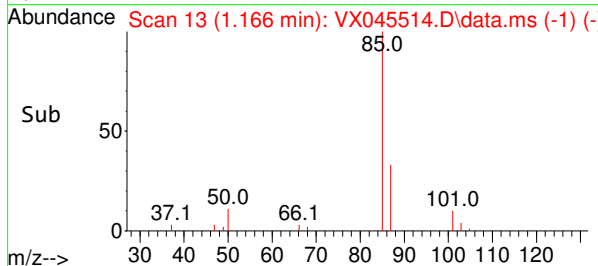
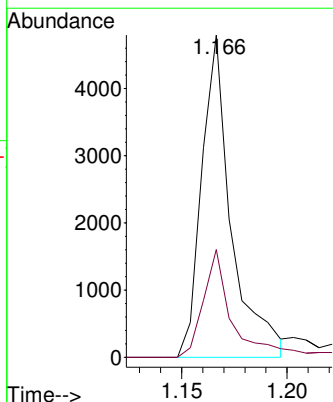
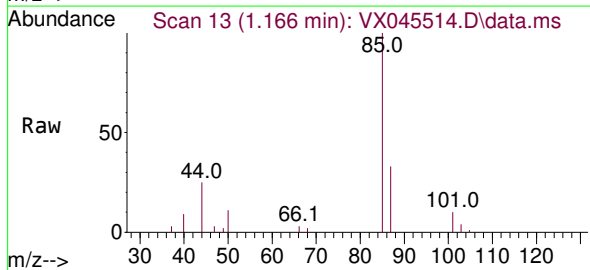
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Dichlorodifluoromethane
Concen: 2.397 ug/L
RT: 1.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 85 Resp: 467
Ion Ratio Lower Upper
85 100
87 32.6 25.9 38.9

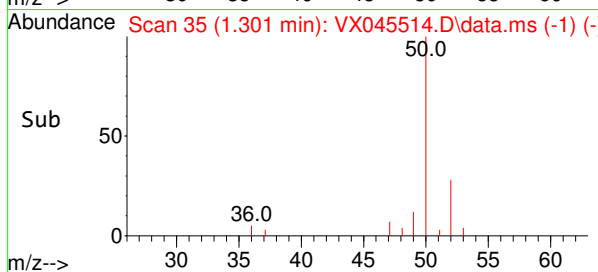
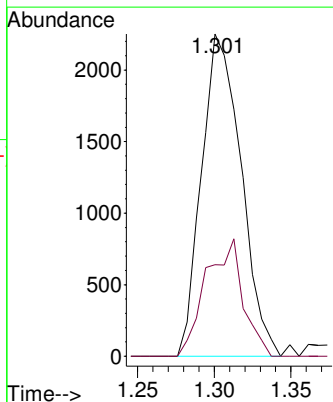
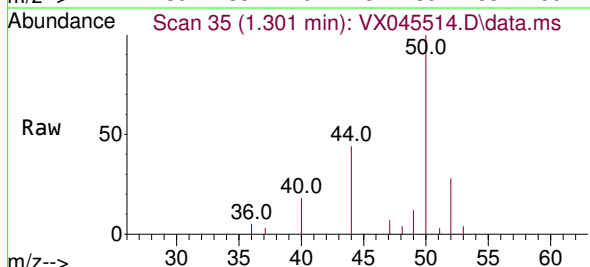
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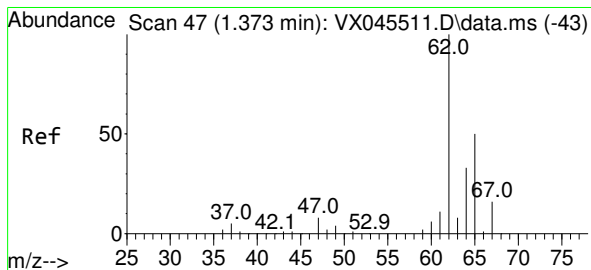
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#3
Chloromethane
Concen: 2.346 ug/L
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 50 Resp: 4042
Ion Ratio Lower Upper
50 100
52 28.4 23.3 43.3





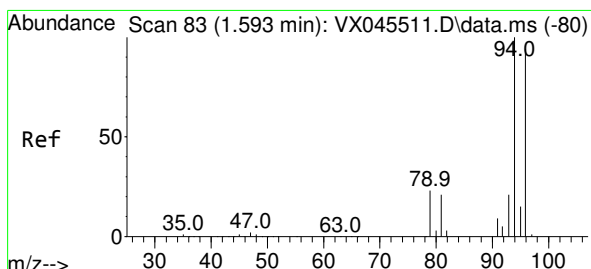
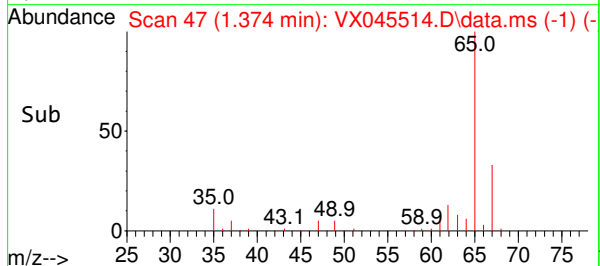
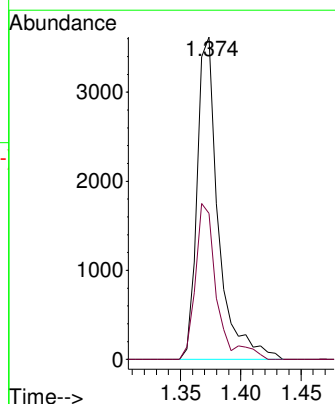
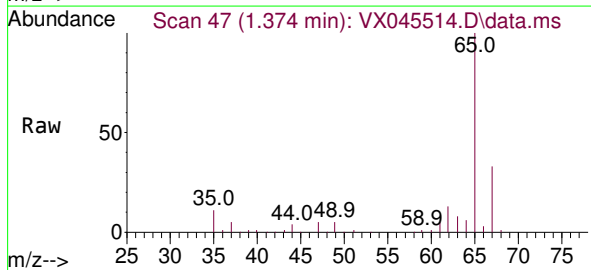
#5
 Vinyl chloride
 Concen: 2.771 ug/L
 RT: 1.374 min Scan# 4
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Tgt Ion: 62 Resp: 443
 Ion Ratio Lower Upper
 62 100
 64 45.3 23.7 44.1

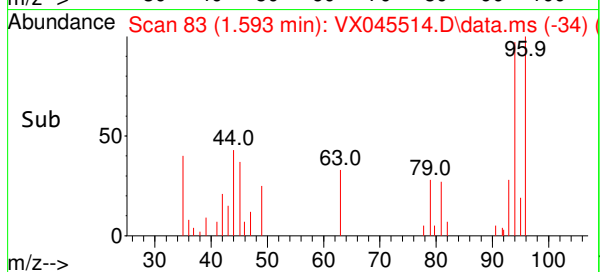
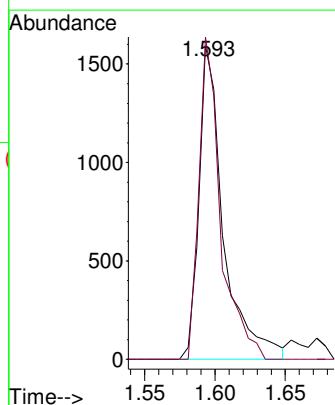
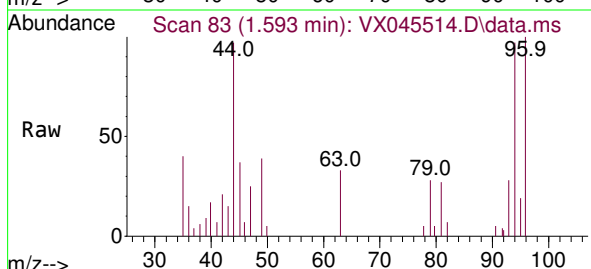
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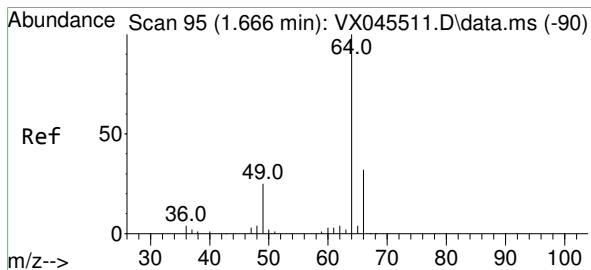
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#6
 Bromomethane
 Concen: 2.705 ug/L
 RT: 1.593 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Tgt Ion: 94 Resp: 1938
 Ion Ratio Lower Upper
 94 100
 96 102.8 64.3 119.3





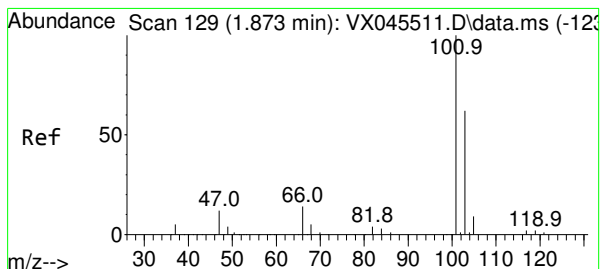
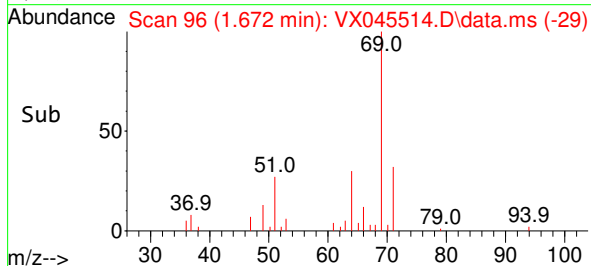
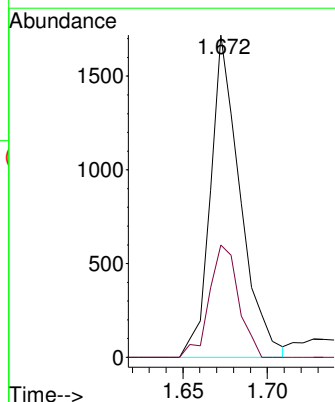
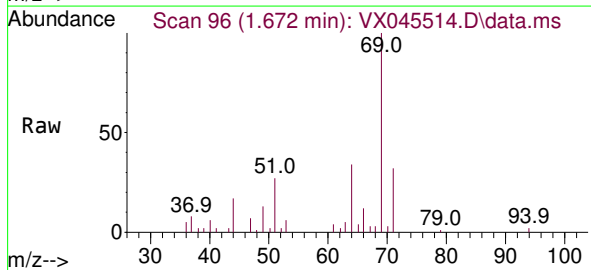
#8
Chloroethane
Concen: 2.635 ug/L
RT: 1.672 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 34.9 21.4 39.8

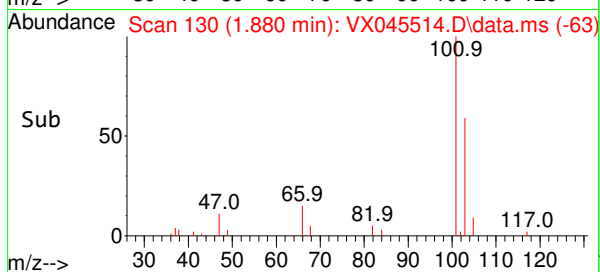
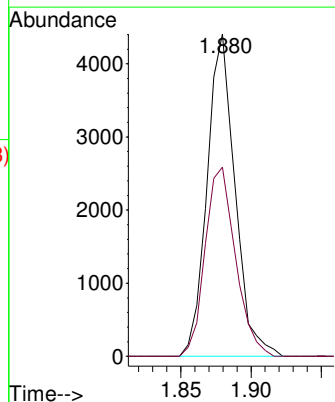
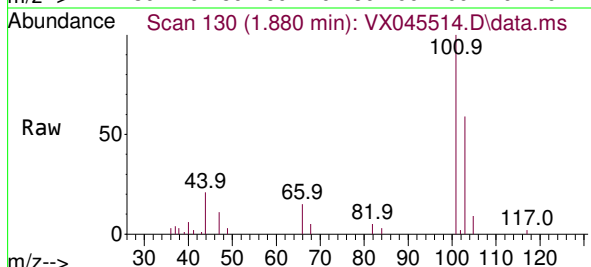
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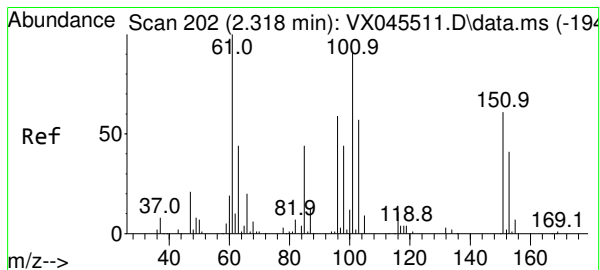
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#9
Trichlorofluoromethane
Concen: 2.769 ug/L
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:101 Resp: 6093
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.2





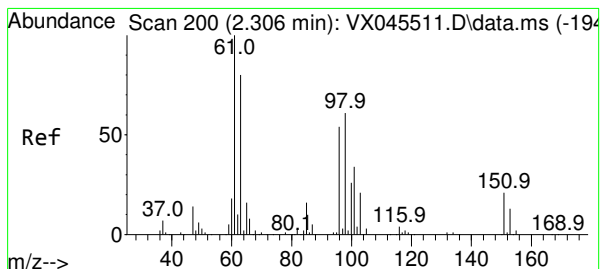
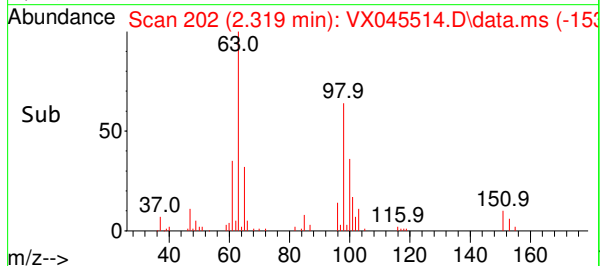
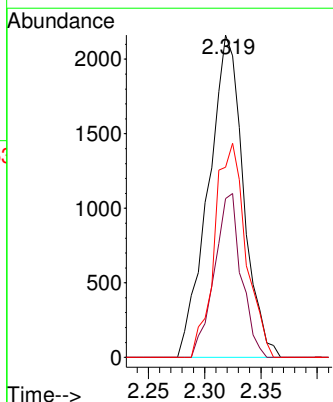
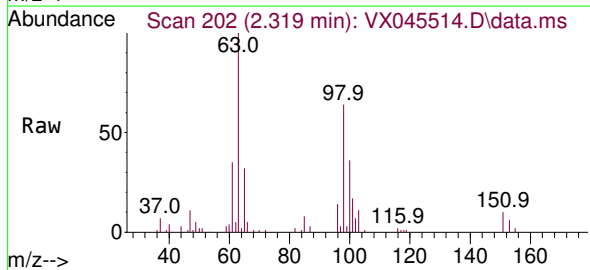
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.337 ug/L
RT: 2.319 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 101 Resp: 467
Ion Ratio Lower Upper
101 100
85 39.0 35.4 53.6
151 59.2 57.0 85.4

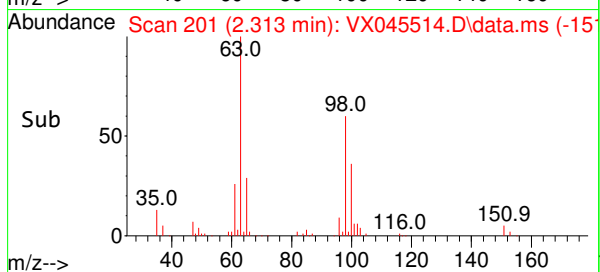
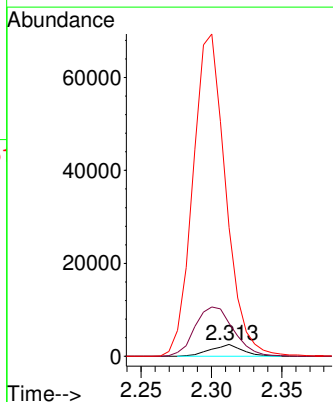
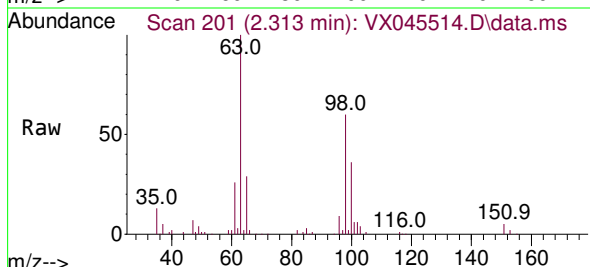
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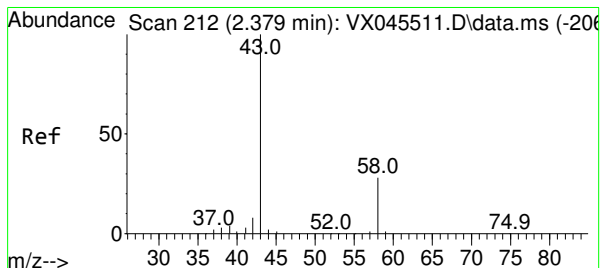
Reviewed By : John Carlone 04/07/2025
Supervised By : Mahesh Dadoda 04/07/2025



#12
1,1-Dichloroethene
Concen: 3.216 ug/L
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 96 Resp: 4025
Ion Ratio Lower Upper
96 100
61 278.8 115.1 213.8#
63 1091.5 74.1 137.5#





#13

Acetone

Concen: 6.766 ug/L

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX045514.D

Acq: 31 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2025-02

Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

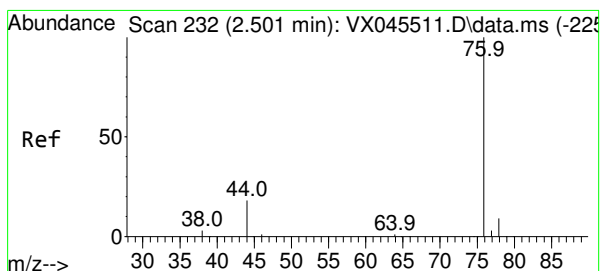
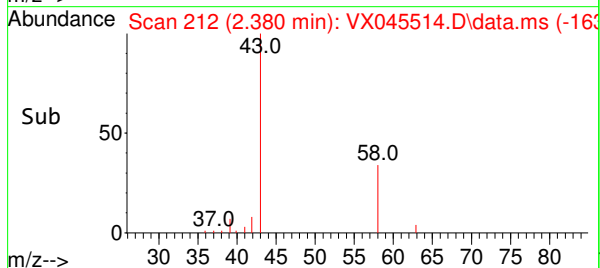
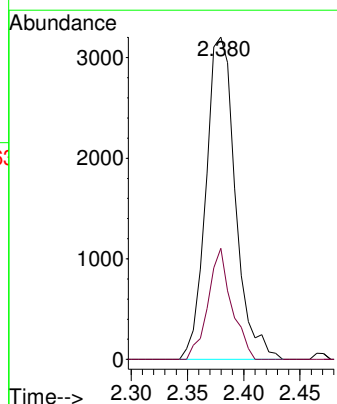
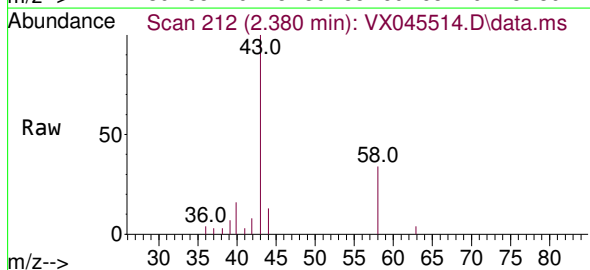
58 27.6 0.0 64.6

Manual Integrations

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#14

Carbon disulfide

Concen: 2.465 ug/L

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX045514.D

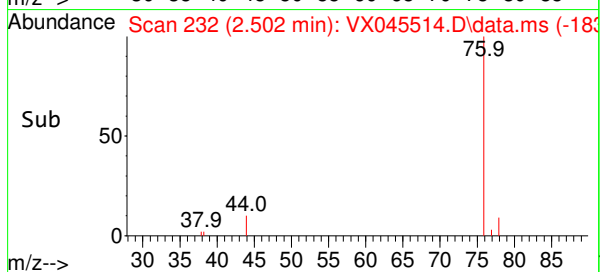
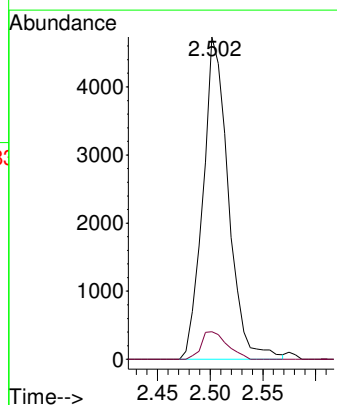
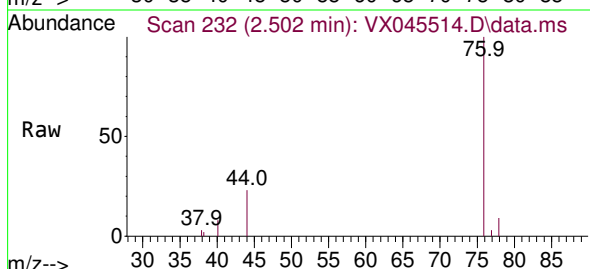
Acq: 31 Mar 2025 11:44

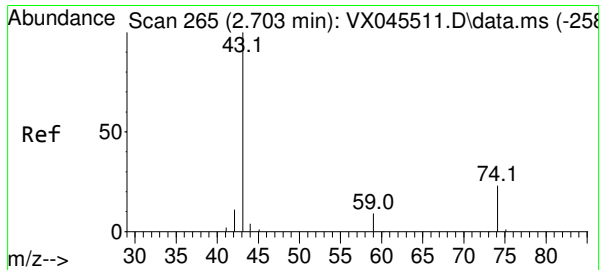
Tgt Ion: 76 Resp: 7949

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8





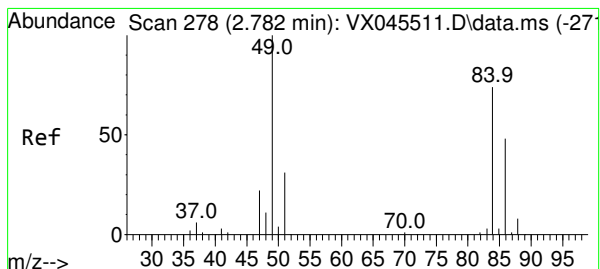
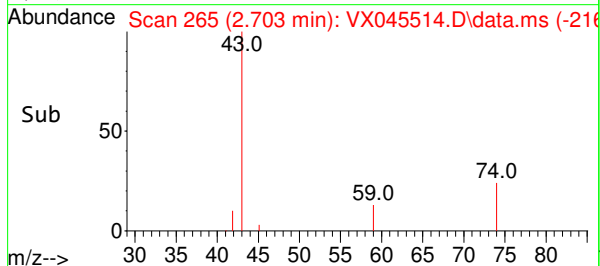
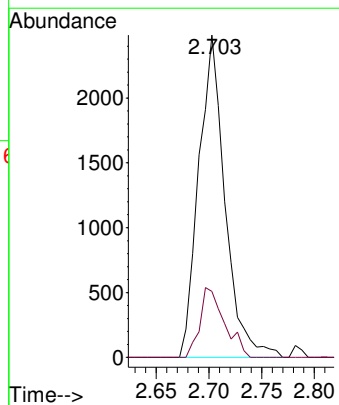
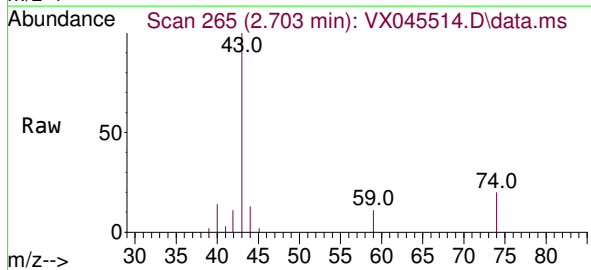
#15
Methyl Acetate
Concen: 2.528 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
74 20.2 19.7 29.5

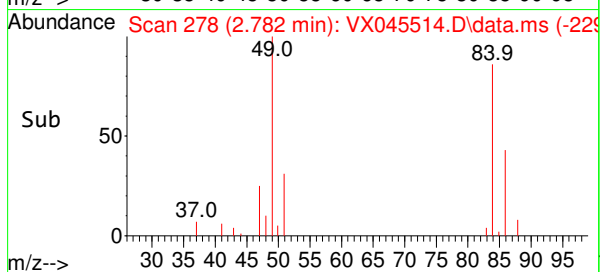
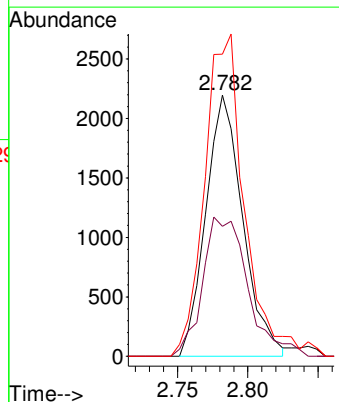
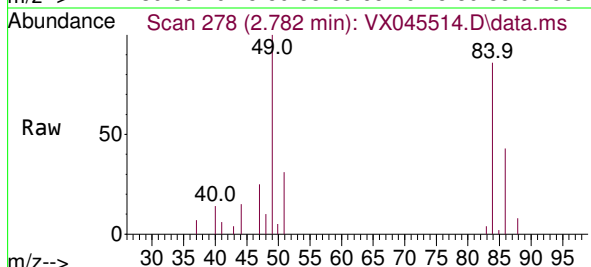
Manual Integrations
APPROVED

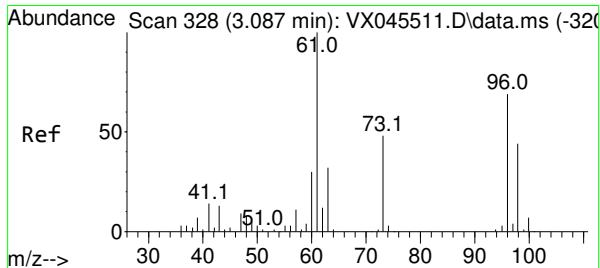
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#16
Methylene chloride
Concen: 2.770 ug/L
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 84 Resp: 4017
Ion Ratio Lower Upper
84 100
86 49.7 45.6 84.8
49 115.7 84.6 157.0





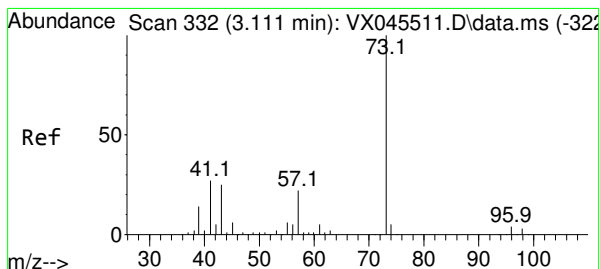
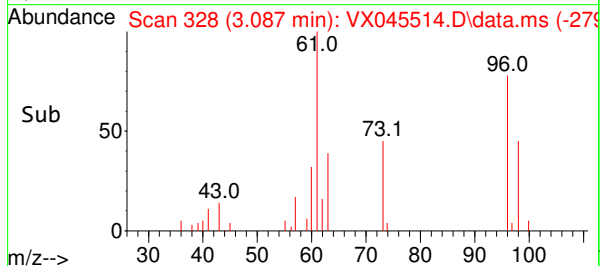
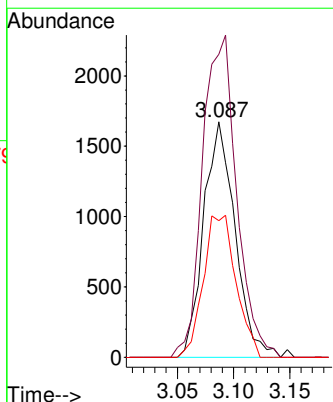
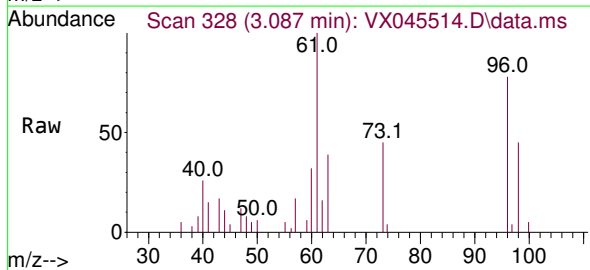
#17
trans-1,2-Dichloroethene
Concen: 2.597 ug/L
RT: 3.087 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:	96	Resp:	325
Ion	Ratio	Lower	Upper
96	100		
61	128.7	98.3	182.7
98	58.0	44.1	81.9

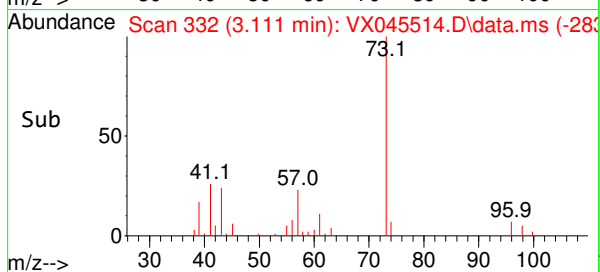
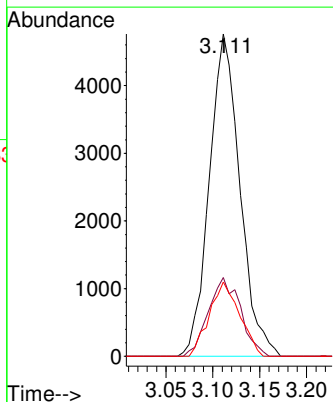
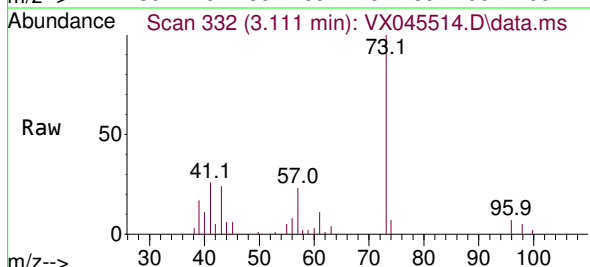
Manual Integrations
APPROVED

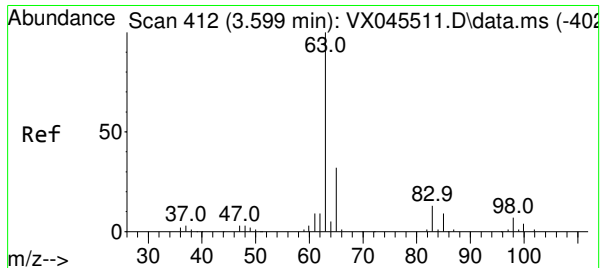
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#18
Methyl tert-butyl Ether
Concen: 2.485 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:	73	Resp:	10793
Ion	Ratio	Lower	Upper
73	100		
43	25.7	16.9	25.3#
57	23.0	17.4	26.0





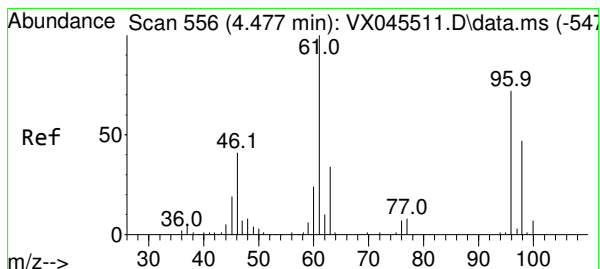
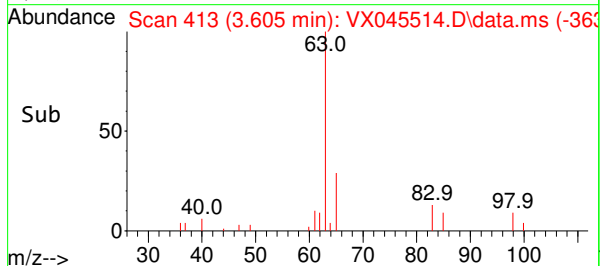
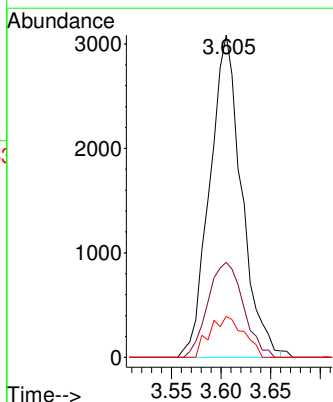
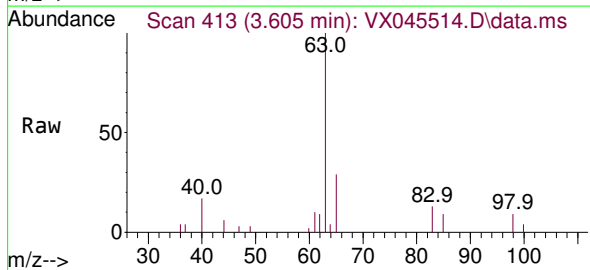
#19
1,1-Dichloroethane
Concen: 2.640 ug/L
RT: 3.605 min Scan# 412
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:	63	Resp:	689
Ion	Ratio	Lower	Upper
63	100		
65	29.5	21.8	40.6
83	12.7	9.4	17.4

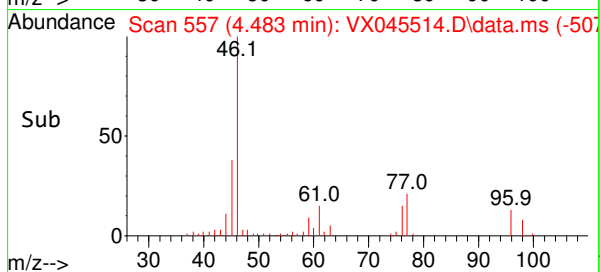
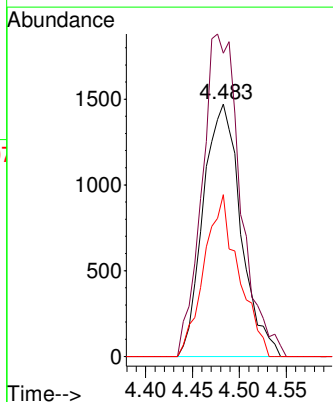
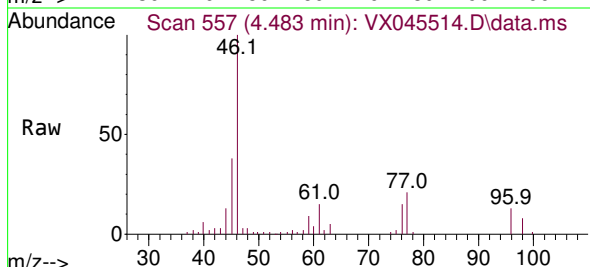
Manual Integrations
APPROVED

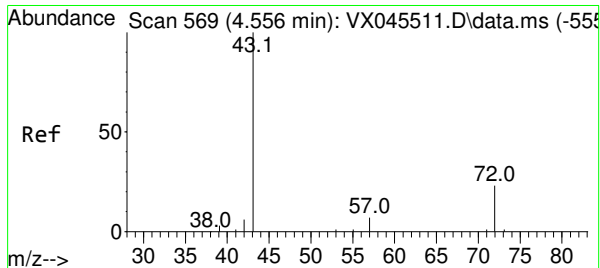
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#20
cis-1,2-Dichloroethene
Concen: 2.847 ug/L
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:	96	Resp:	4103
Ion	Ratio	Lower	Upper
96	100		
61	120.2	88.3	163.9
98	64.1	44.6	82.8





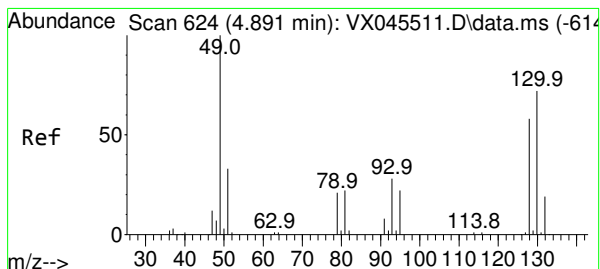
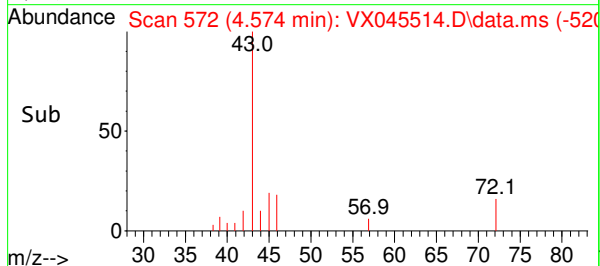
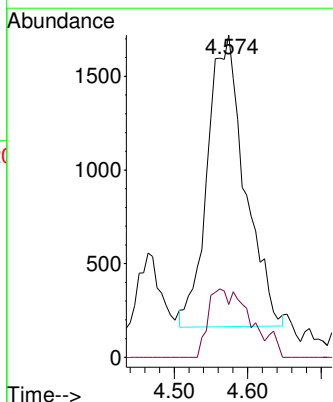
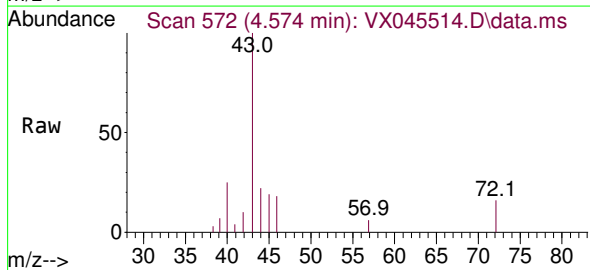
#22
2-Butanone
Concen: 4.387 ug/L m
RT: 4.574 min Scan# 514
Delta R.T. 0.018 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
72 12.9 13.4 40.2

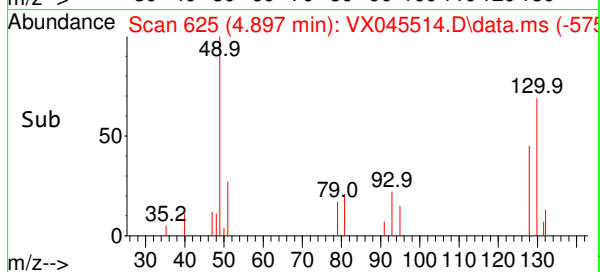
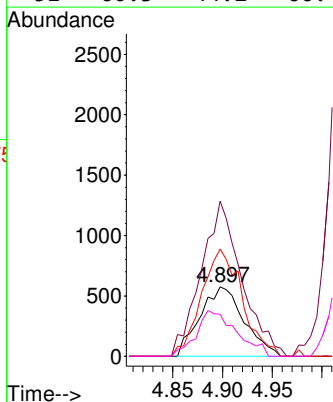
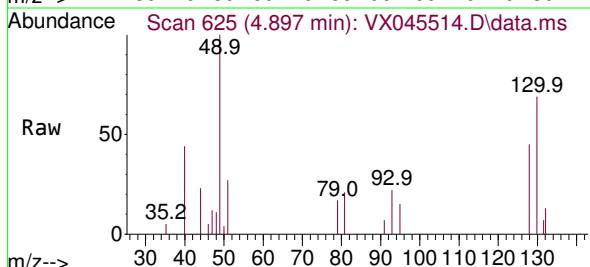
Manual Integrations
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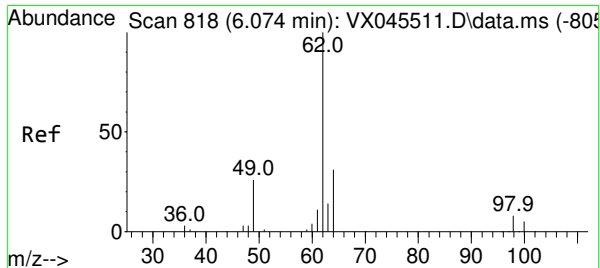
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#23
Bromochloromethane
Concen: 2.493 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:128 Resp: 1778
Ion Ratio Lower Upper
128 100
49 223.8 117.6 218.4#
130 154.4 92.0 170.9
51 60.3 44.2 66.4





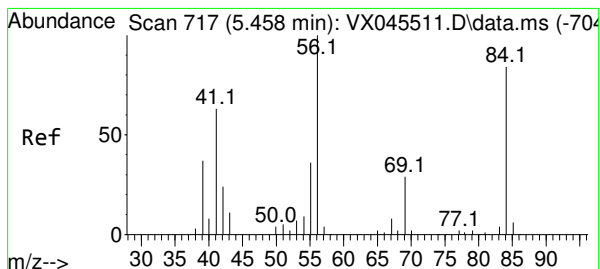
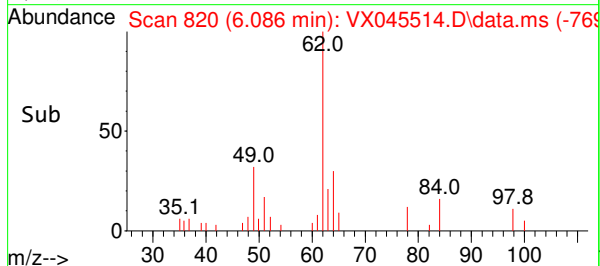
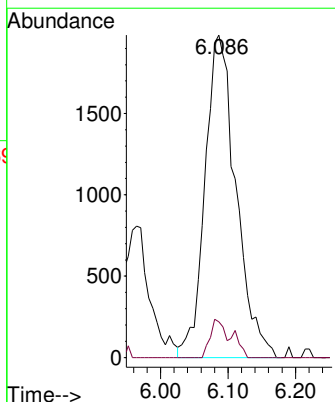
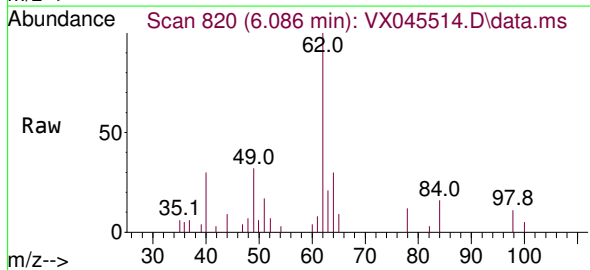
#27
1,2-Dichloroethane
Concen: 2.684 ug/L
RT: 6.086 min Scan# 818
Delta R.T. 0.012 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 62 Resp: 631
Ion Ratio Lower Upper
62 100
98 11.1 7.4 11.2

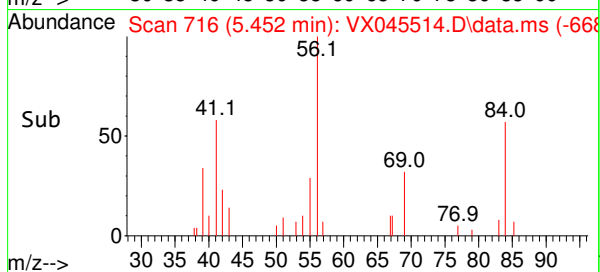
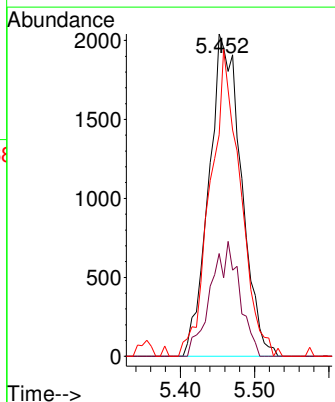
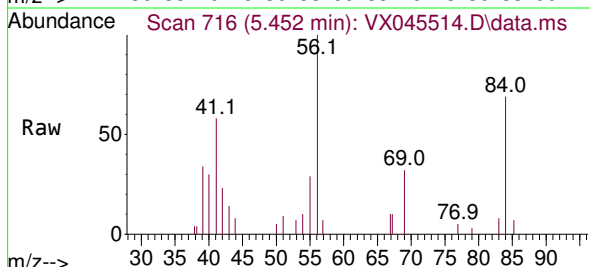
Manual Integrations
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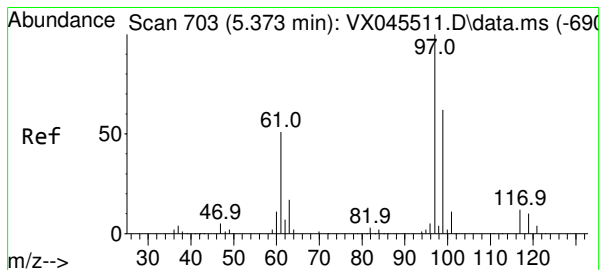
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#29
Cyclohexane
Concen: 2.516 ug/L m
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 56 Resp: 6179
Ion Ratio Lower Upper
56 100
69 16.3 25.4 38.2#
84 88.1 71.6 107.4





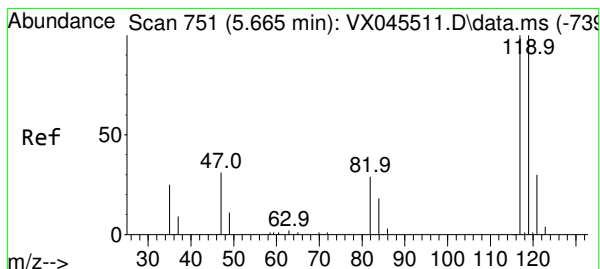
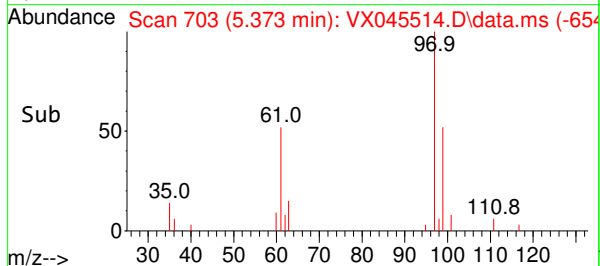
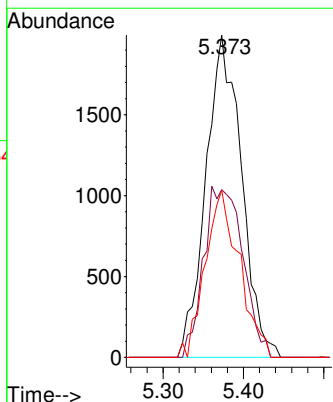
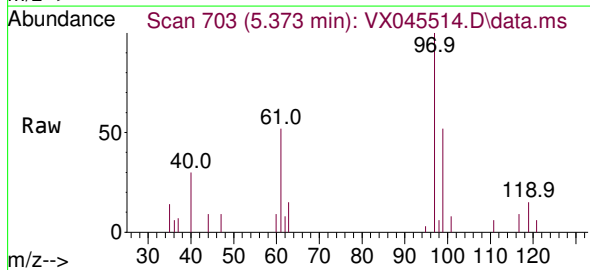
#30
 1,1,1-Trichloroethane
 Concen: 2.763 ug/L
 RT: 5.373 min Scan# 703
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:	97	Resp:	613
Ion	Ratio	Lower	Upper
97	100		
99	23.2	51.0	76.4
61	39.3	35.8	53.6

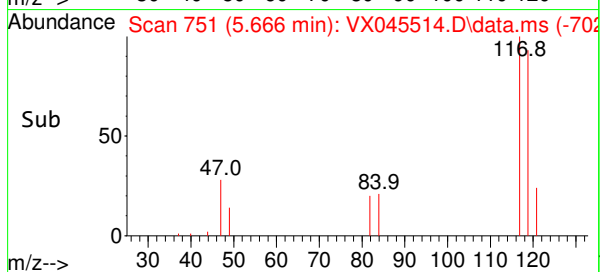
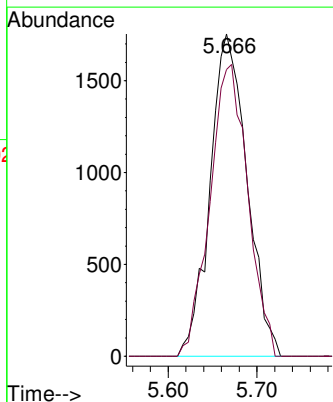
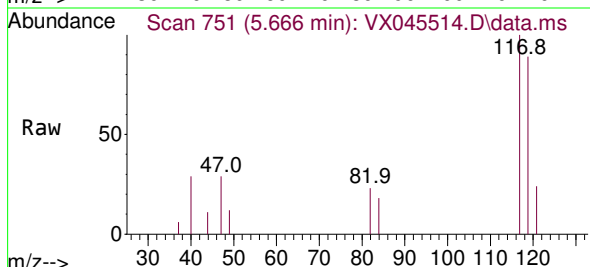
Manual Integrations
 APPROVED

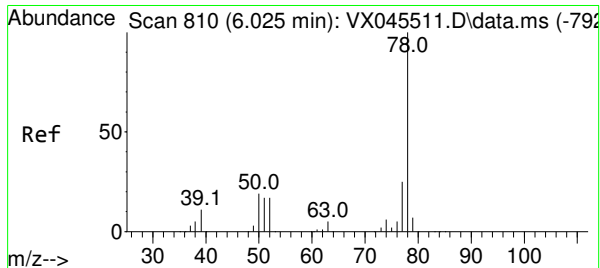
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#31
 Carbon tetrachloride
 Concen: 2.640 ug/L
 RT: 5.666 min Scan# 751
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Tgt Ion:	117	Resp:	5087
Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.1	115.7





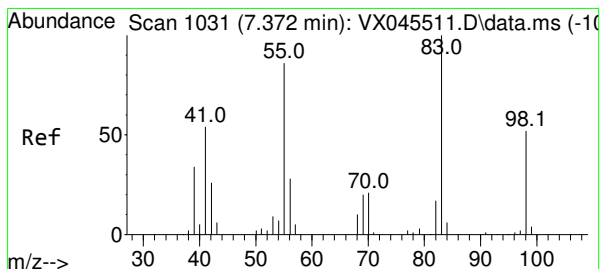
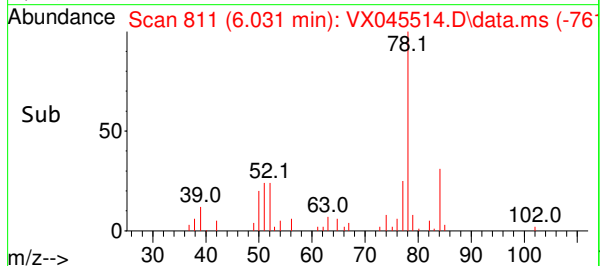
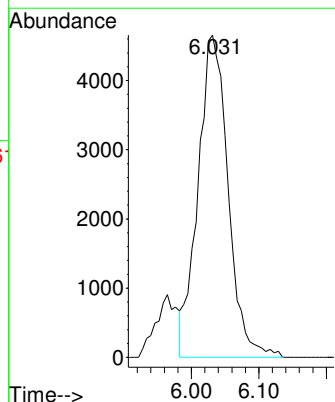
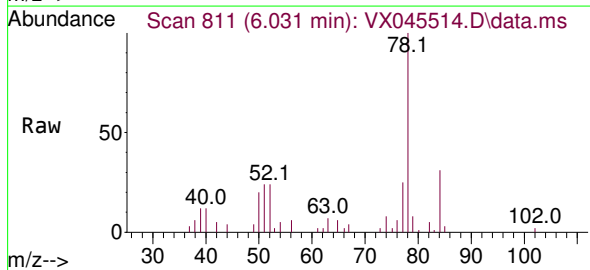
#33
Benzene
Concen: 2.705 ug/L
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 78 Resp: 1438

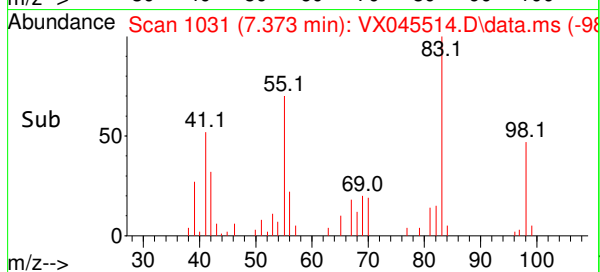
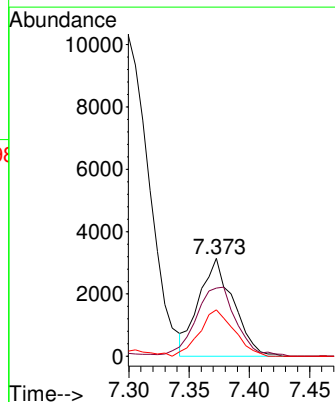
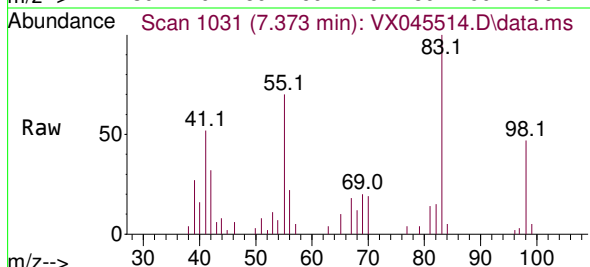
Manual Integrations
APPROVED

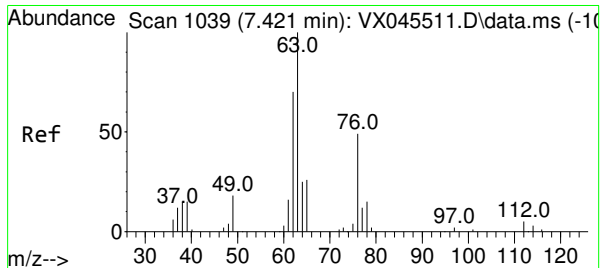
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#35
Methylcyclohexane
Concen: 2.772 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 83 Resp: 6256
Ion Ratio Lower Upper
83 100
55 82.6 60.6 90.8
98 47.7 38.9 58.3





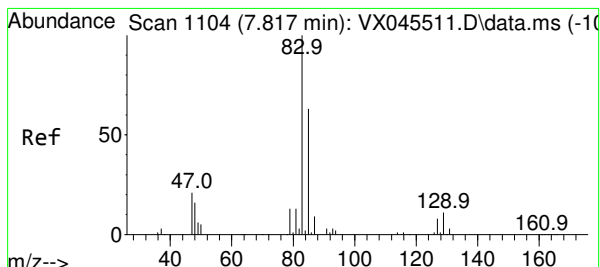
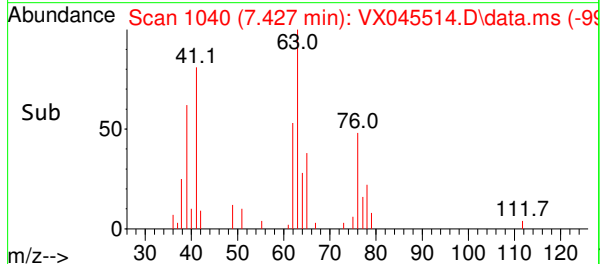
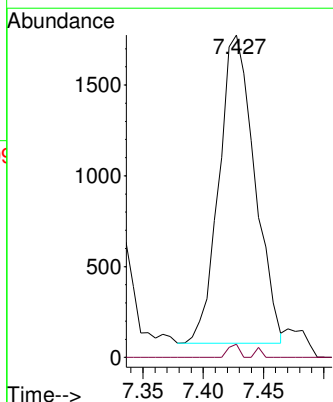
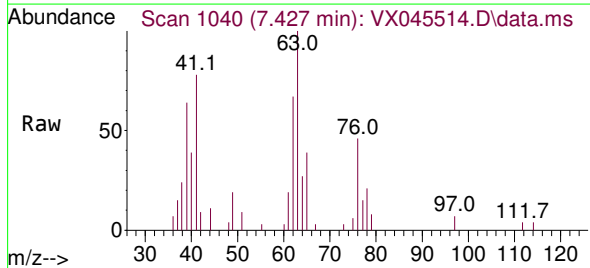
#37
1,2-Dichloropropane
Concen: 2.417 ug/L
RT: 7.427 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 63 Resp: 348
Ion Ratio Lower Upper
63 100
112 1.3 3.5 5.3

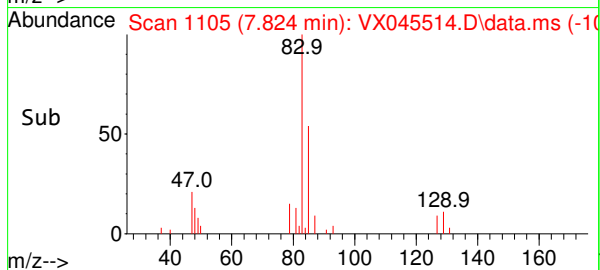
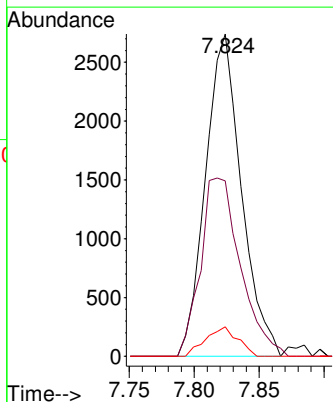
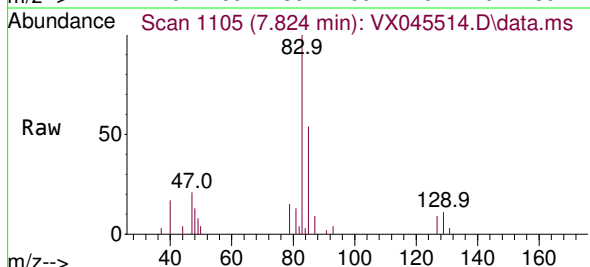
Manual Integrations
APPROVED

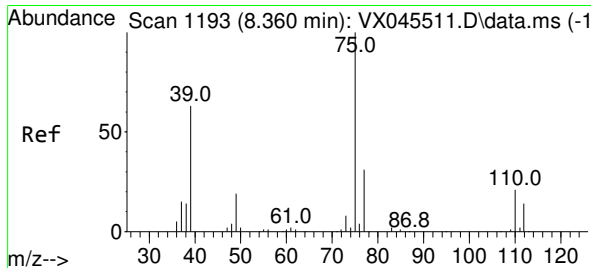
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#38
Bromodichloromethane
Concen: 2.659 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 83 Resp: 5265
Ion Ratio Lower Upper
83 100
85 54.4 43.8 81.3
127 9.2 6.5 9.7





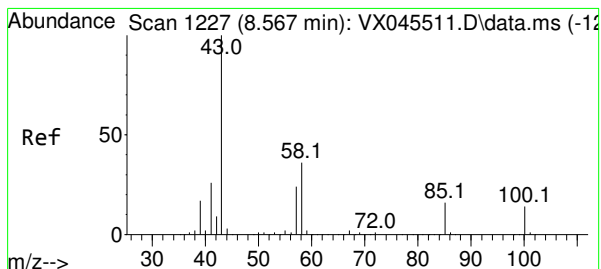
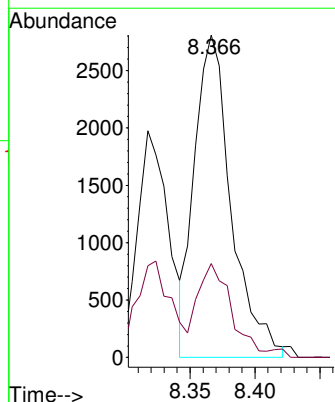
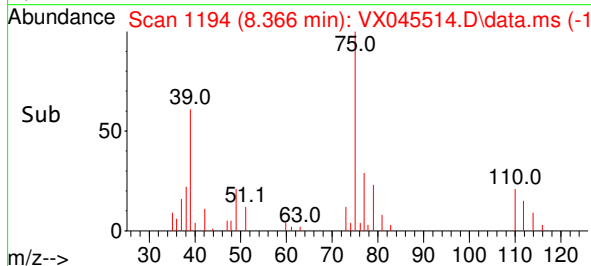
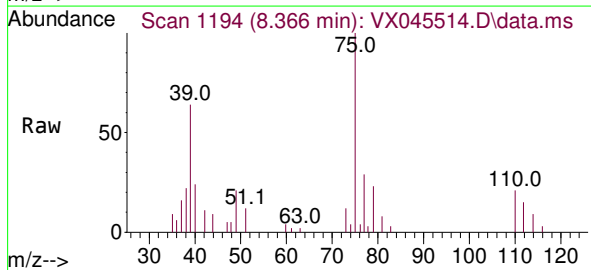
#39
 cis-1,3-Dichloropropene
 Concen: 2.621 ug/L
 RT: 8.366 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 75 Resp: 553
 Ion Ratio Lower Upper
 75 100
 77 29.1 21.7 40.3

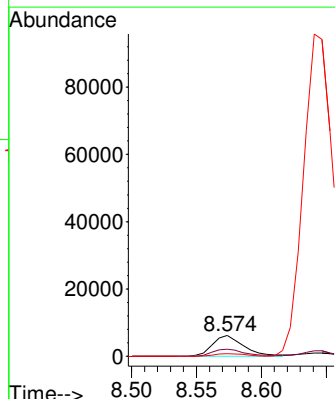
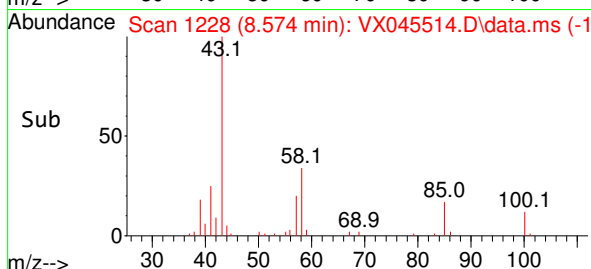
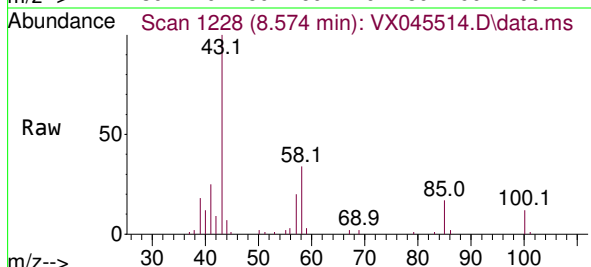
Manual Integrations
 APPROVED

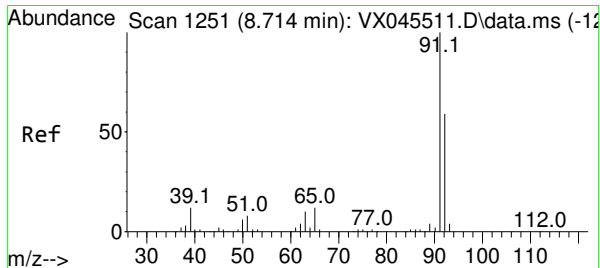
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#40
 4-Methyl-2-pentanone
 Concen: 4.732 ug/L
 RT: 8.574 min Scan# 1228
 Delta R.T. 0.006 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Tgt Ion: 43 Resp: 10443
 Ion Ratio Lower Upper
 43 100
 58 36.4 32.1 48.1
 100 12.8 12.9 19.3#





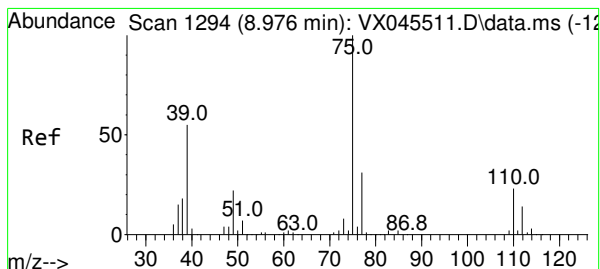
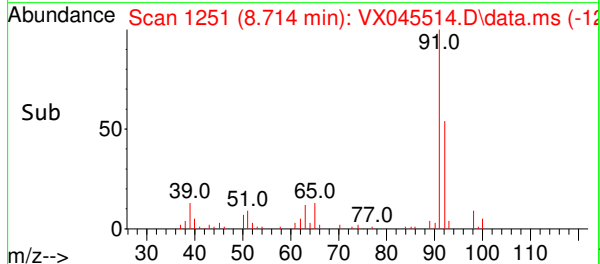
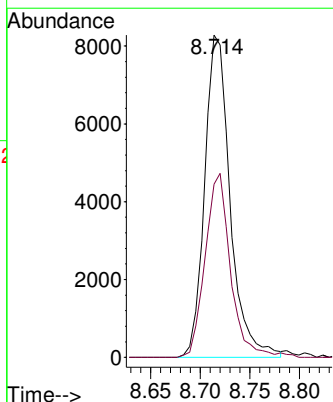
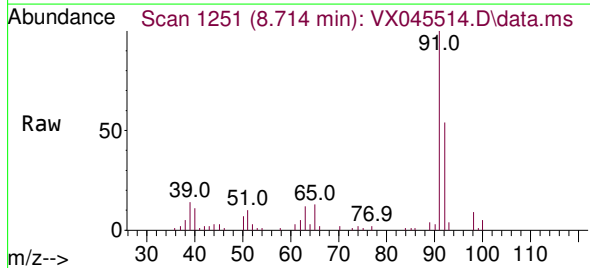
#42
Toluene
Concen: 2.713 ug/L
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 91 Resp: 1479
Ion Ratio Lower Upper
91 100
92 53.7 40.7 75.5

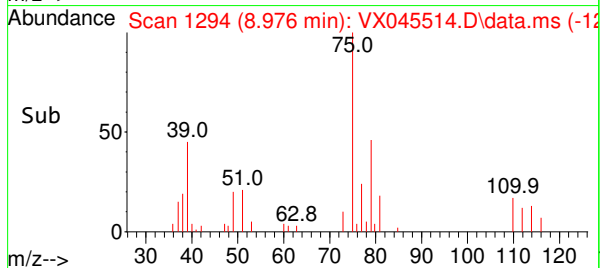
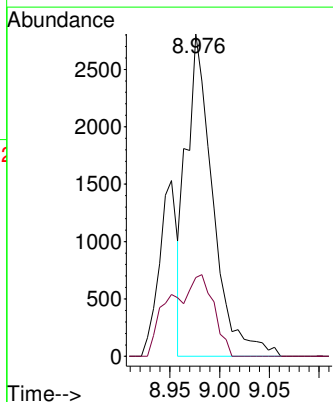
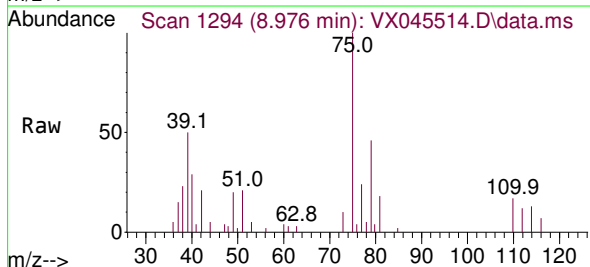
Manual Integrations
APPROVED

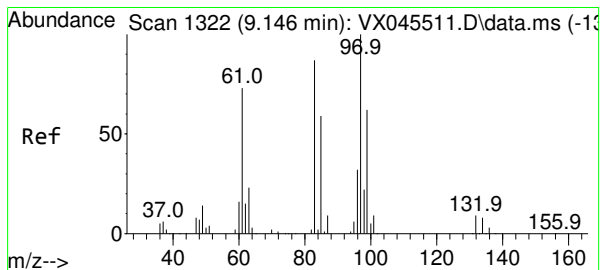
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#44
trans-1,3-Dichloropropene
Concen: 2.644 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 75 Resp: 5201
Ion Ratio Lower Upper
75 100
77 24.4 22.4 41.6





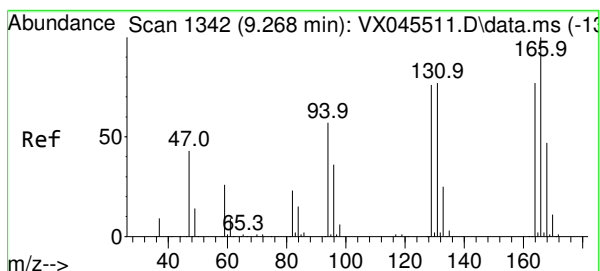
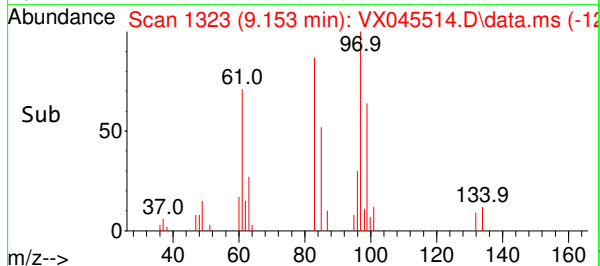
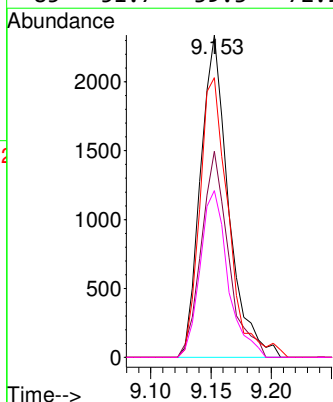
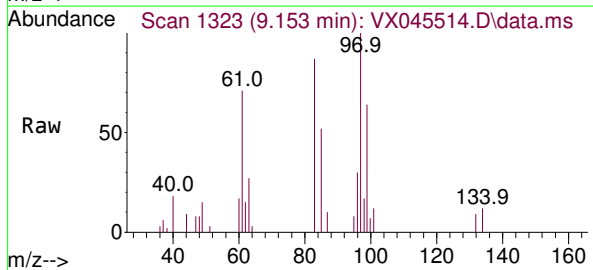
#45
1,1,2-Trichloroethane
Concen: 2.729 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:	97	Resp:	377
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.8	83.2
83	86.7	60.8	113.6
85	51.7	39.3	72.9

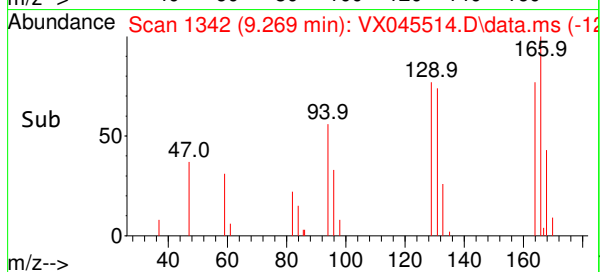
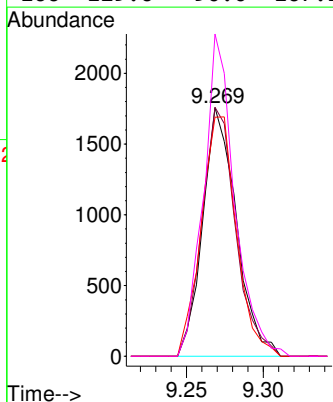
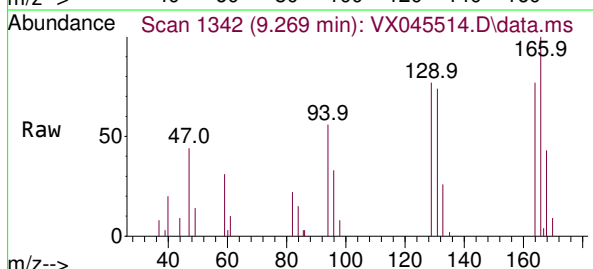
Manual Integrations
APPROVED

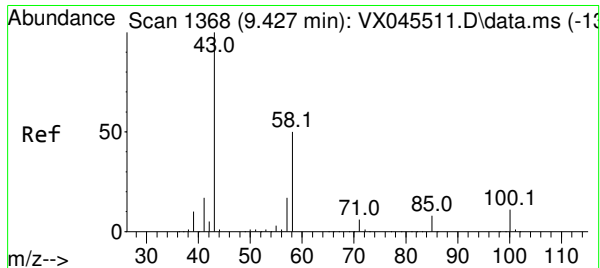
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#46
Tetrachloroethene
Concen: 2.772 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:	164	Resp:	2686
Ion	Ratio	Lower	Upper
164	100		
129	100.1	71.2	132.2
131	96.2	67.2	124.8
166	129.6	90.0	167.2





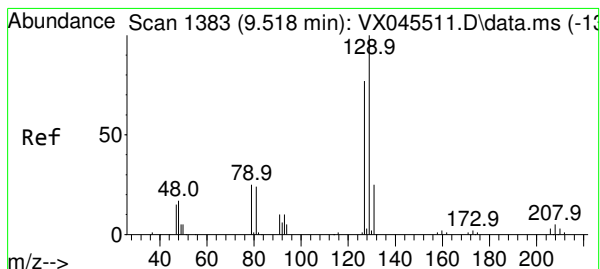
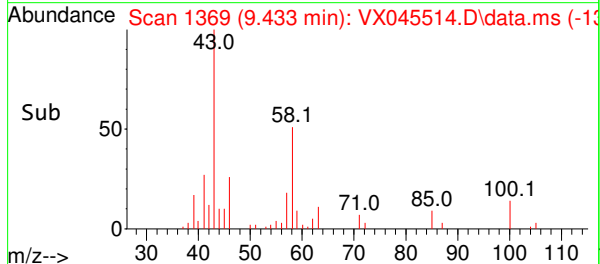
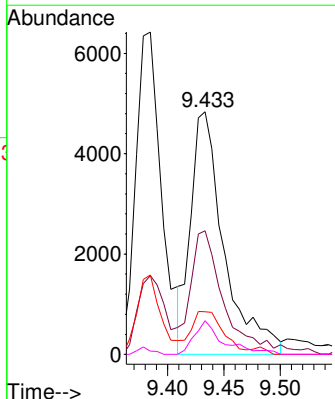
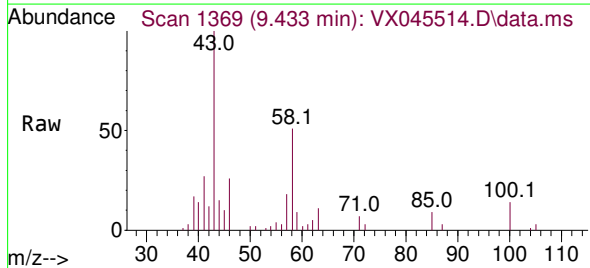
#48
2-Hexanone
Concen: 6.011 ug/L
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:	43	Resp:	1000
Ion	Ratio	Lower	Upper
43	100		
58	49.3	44.3	66.5
57	17.3	15.9	23.9
100	9.8	10.1	15.1

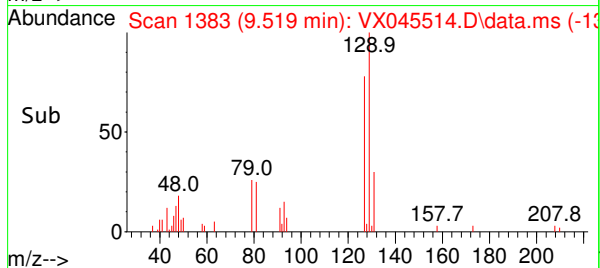
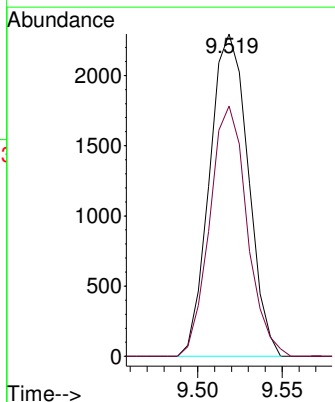
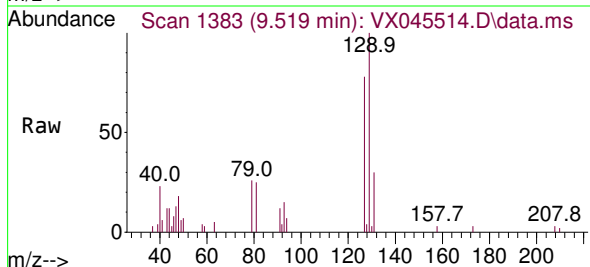
Manual Integrations
APPROVED

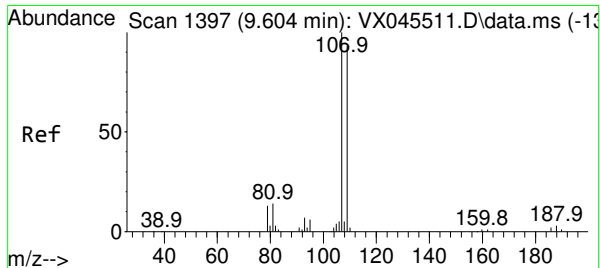
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#49
Dibromochloromethane
Concen: 2.644 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

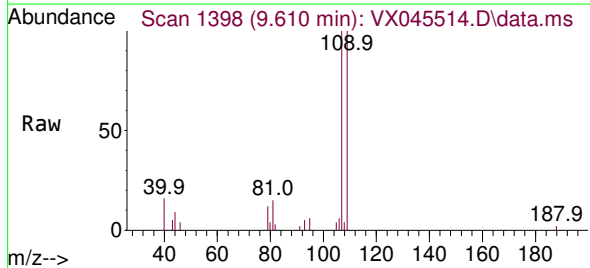
Tgt Ion:	129	Resp:	3652
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.6	99.6





#50
1,2-Dibromoethane
Concen: 2.623 ug/L
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

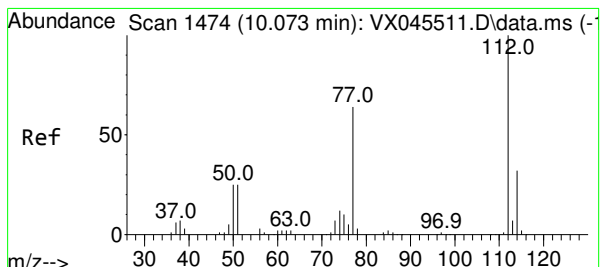
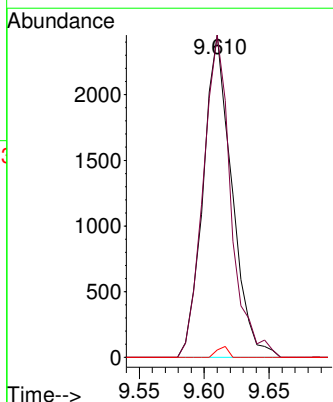
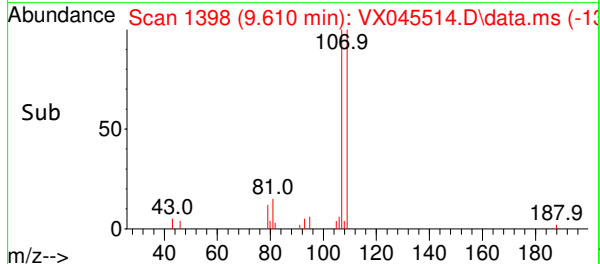
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02



Tgt Ion:107 Resp: 377
Ion Ratio Lower Upper
107 100
109 100.1 67.2 124.8
188 2.3 2.2 3.4

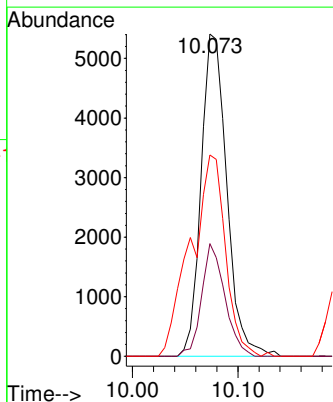
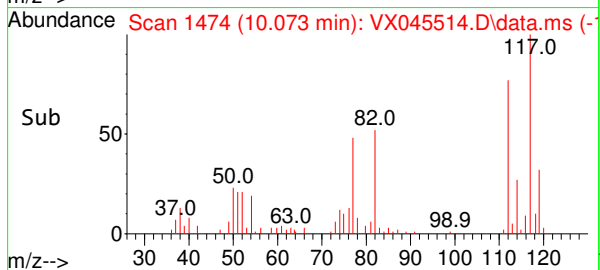
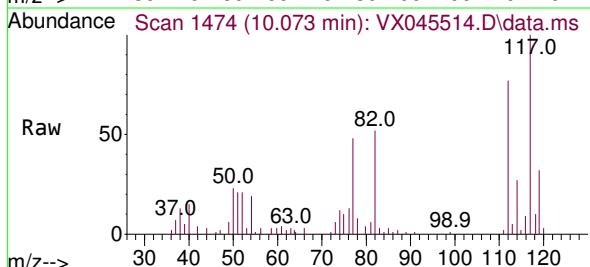
Manual Integrations
APPROVED

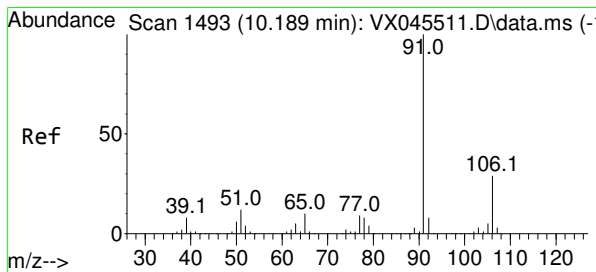
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#51
Chlorobenzene
Concen: 2.690 ug/L
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:112 Resp: 9208
Ion Ratio Lower Upper
112 100
114 35.0 22.4 41.6
77 62.4 49.2 73.8





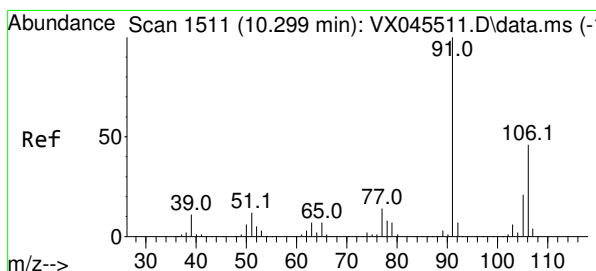
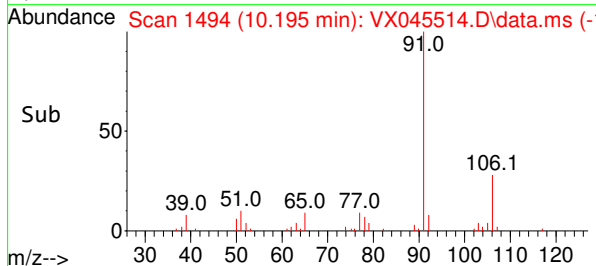
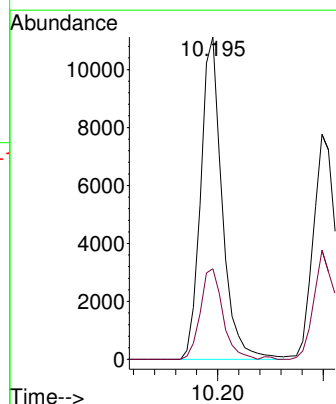
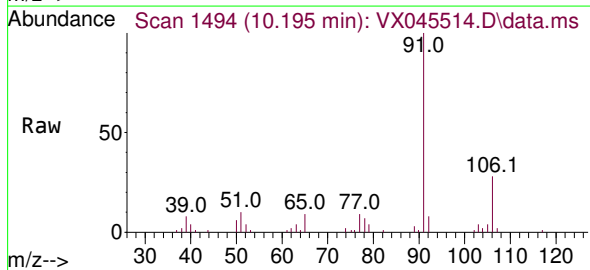
#52
Ethylbenzene
Concen: 2.558 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 91 Resp: 1576
Ion Ratio Lower Upper
91 100
106 28.2 21.1 39.3

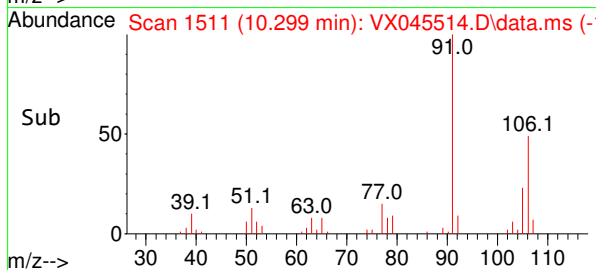
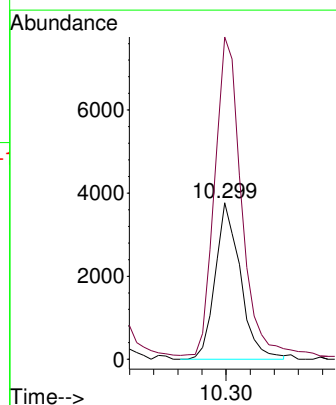
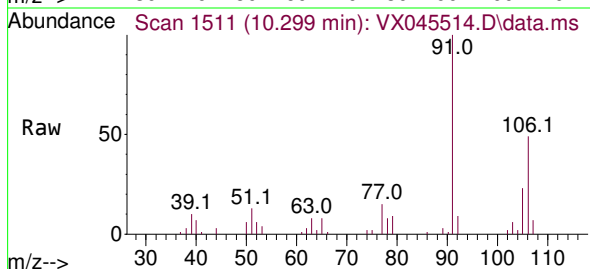
Manual Integrations
APPROVED

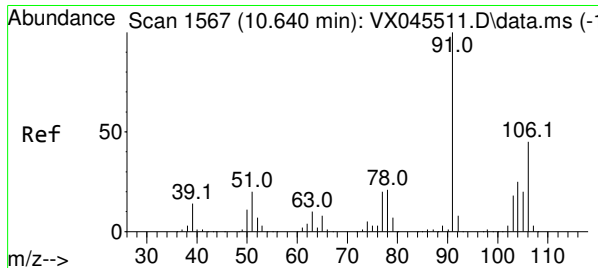
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#53
m,p-Xylene
Concen: 2.456 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:106 Resp: 5468
Ion Ratio Lower Upper
106 100
91 205.9 145.2 269.6





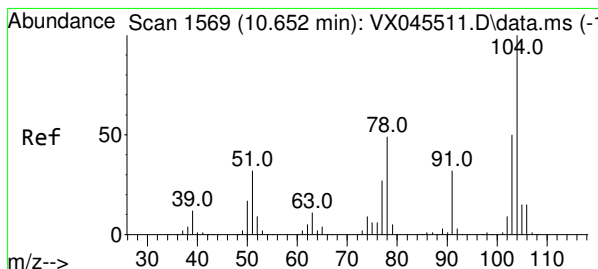
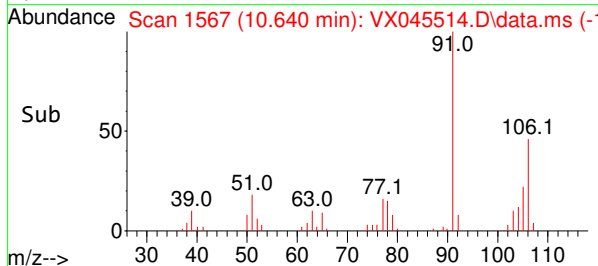
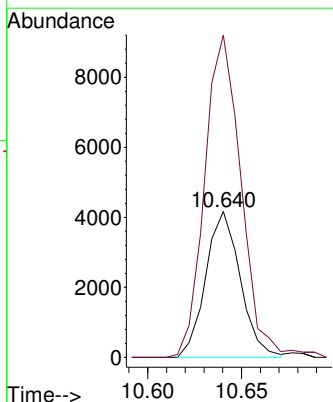
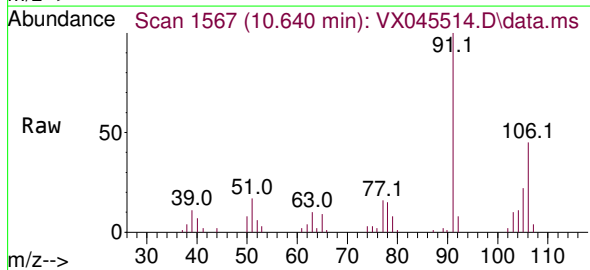
#54
o-Xylene
Concen: 2.441 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:106 Resp: 533
Ion Ratio Lower Upper
106 100
91 221.1 153.2 284.4

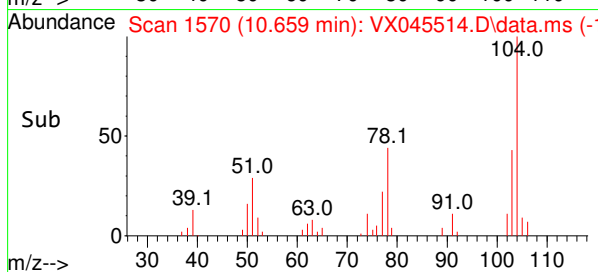
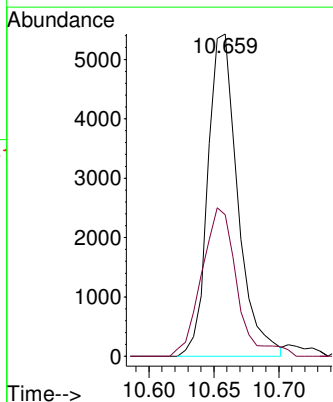
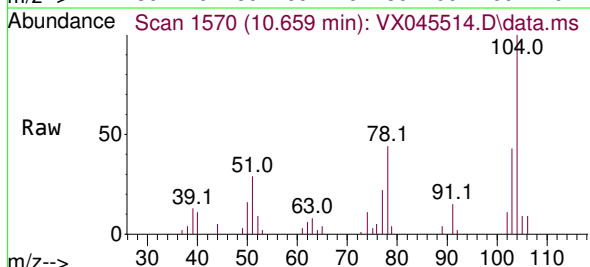
Manual Integrations
APPROVED

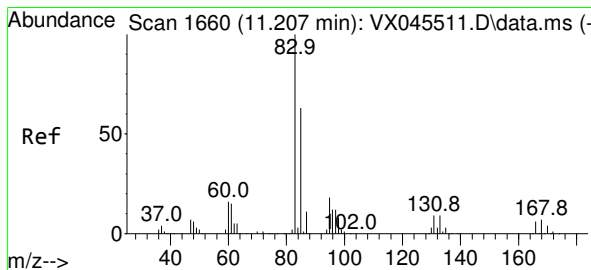
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#55
Styrene
Concen: 2.376 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:104 Resp: 8696
Ion Ratio Lower Upper
104 100
78 43.9 32.7 60.7





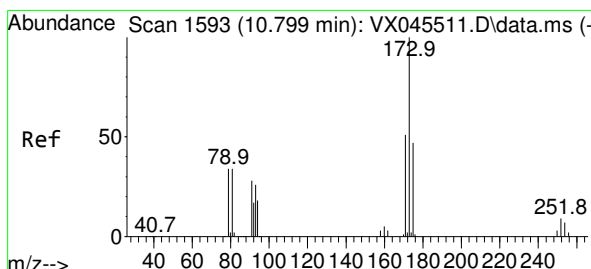
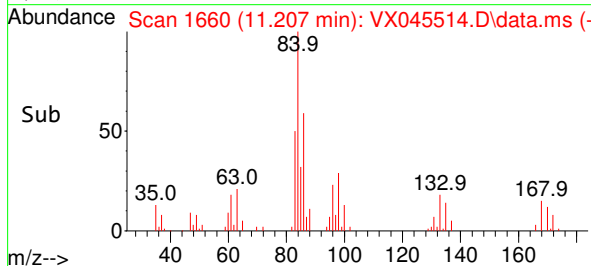
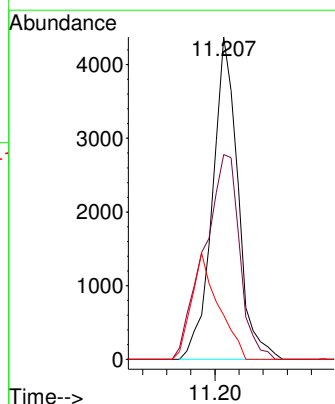
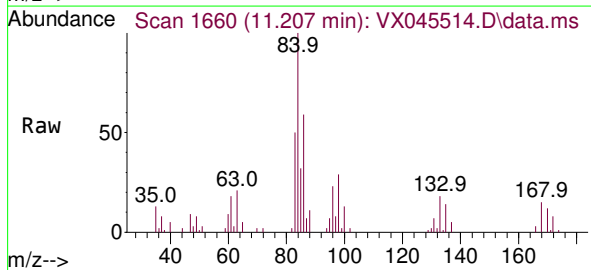
#57
1,1,2,2-Tetrachloroethane
Concen: 2.952 ug/L
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion: 83 Resp: 642
Ion Ratio Lower Upper
83 100
85 63.5 44.9 83.5
131 13.8 8.0 12.0

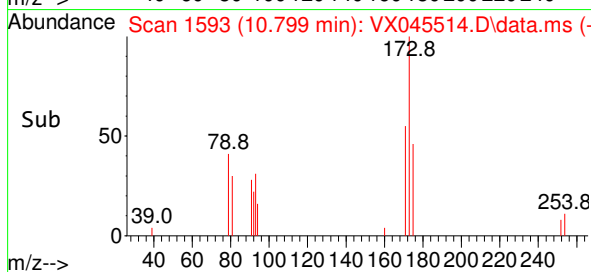
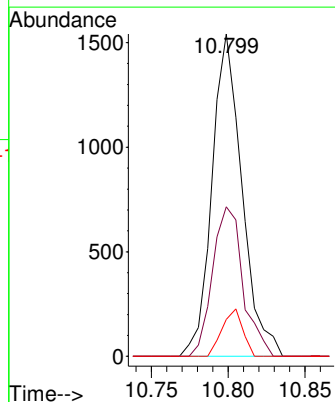
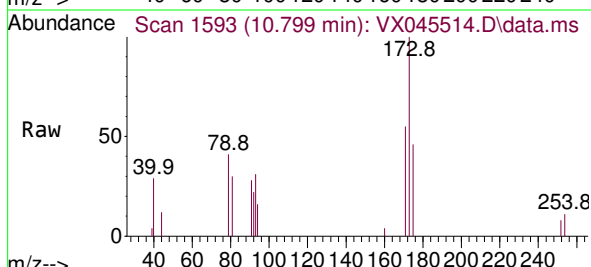
Manual Integrations
APPROVED

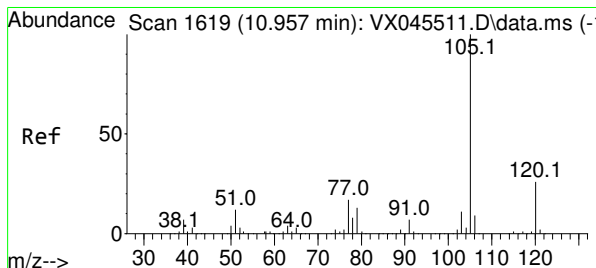
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#59
Bromoform
Concen: 2.448 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:173 Resp: 2094
Ion Ratio Lower Upper
173 100
175 46.9 38.6 58.0
254 10.1 6.6 10.0#





#60

Isopropylbenzene

Concen: 2.601 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX045514.D

Acq: 31 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2025-02

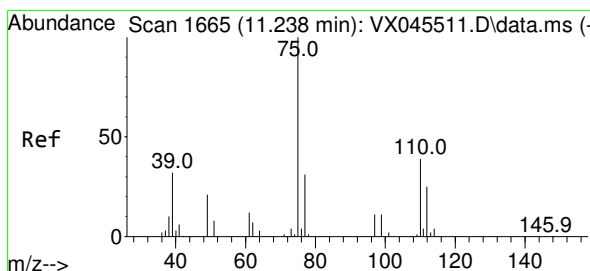
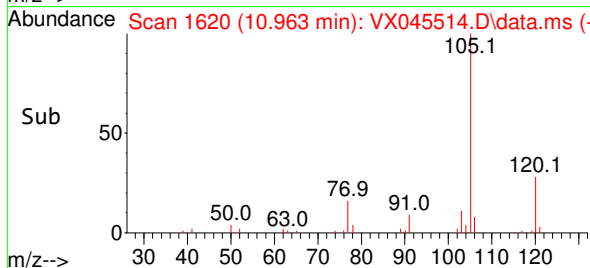
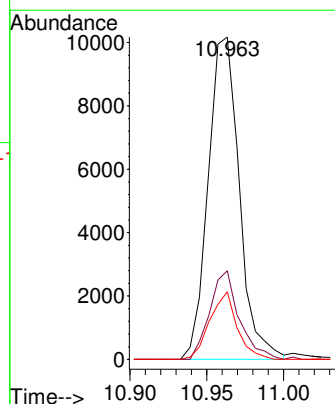
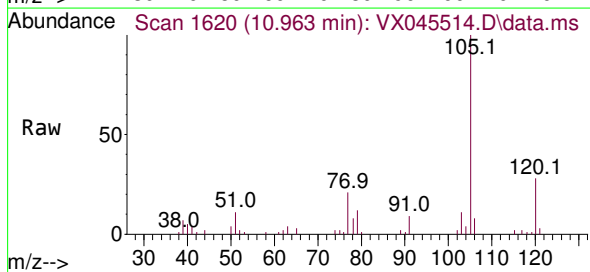
Tgt Ion:	105	Resp:	1437
Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.9	31.3
77	18.4	12.6	19.6

Manual Integrations

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Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#61

1,2,3-Trichloropropane

Concen: 2.777 ug/L

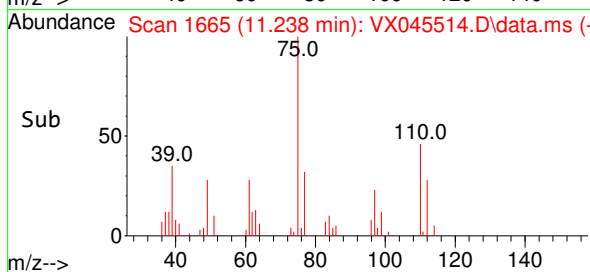
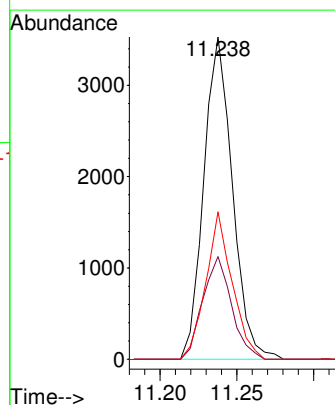
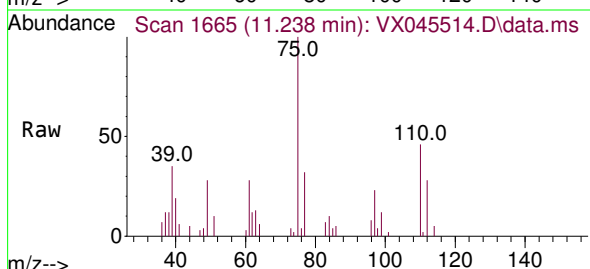
RT: 11.238 min Scan# 1665

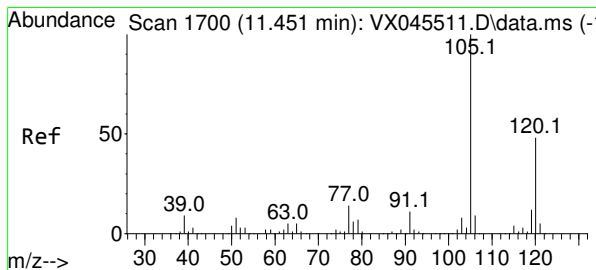
Delta R.T. 0.000 min

Lab File: VX045514.D

Acq: 31 Mar 2025 11:44

Tgt Ion:	75	Resp:	4588
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
110	42.1	30.8	46.2





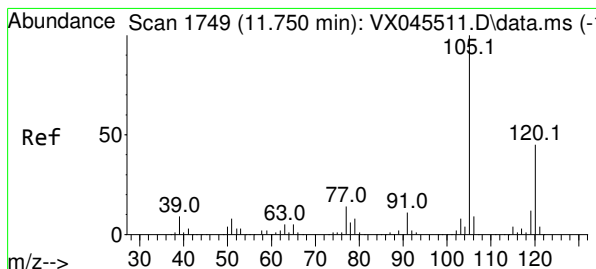
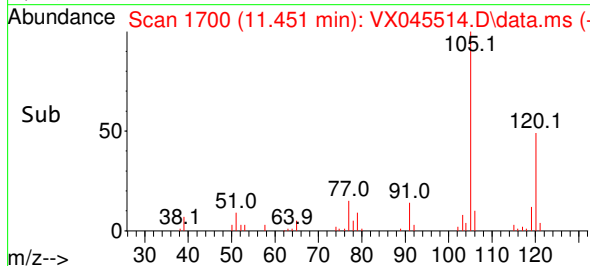
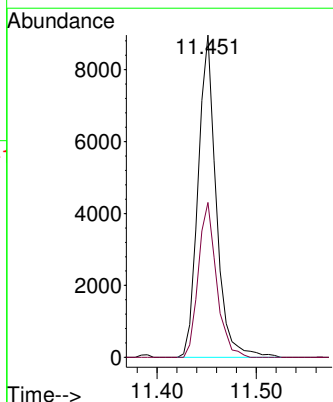
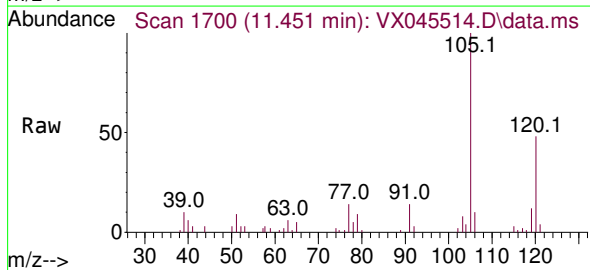
#62
 1,3,5-Trimethylbenzene
 Concen: 2.504 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:105 Resp: 1132
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.3 57.5

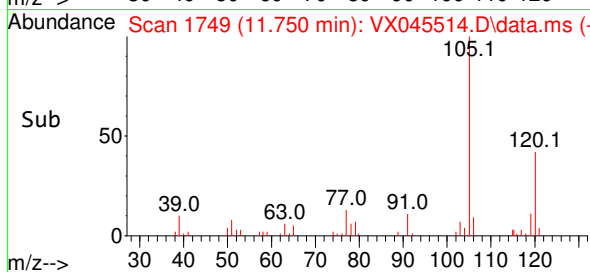
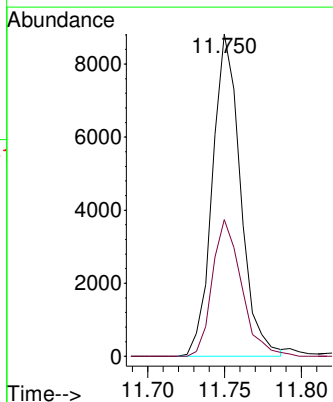
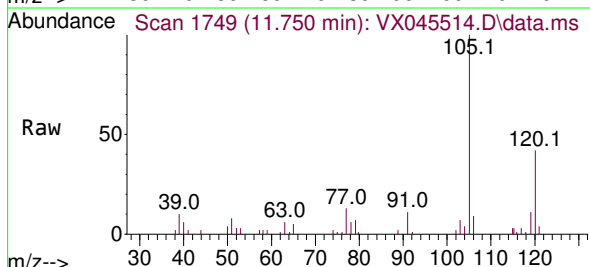
Manual Integrations
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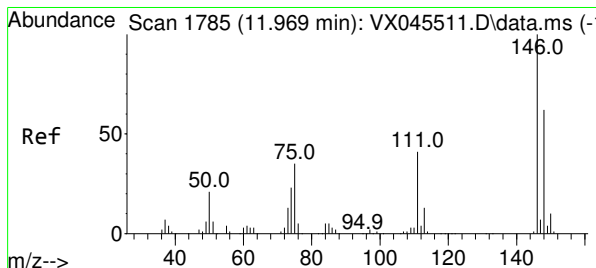
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#63
 1,2,4-Trimethylbenzene
 Concen: 2.528 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX045514.D
 Acq: 31 Mar 2025 11:44

Tgt Ion:105 Resp: 11221
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 2.526 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045514.D

Acq: 31 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2025-02

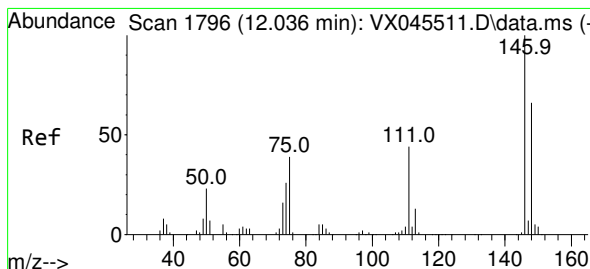
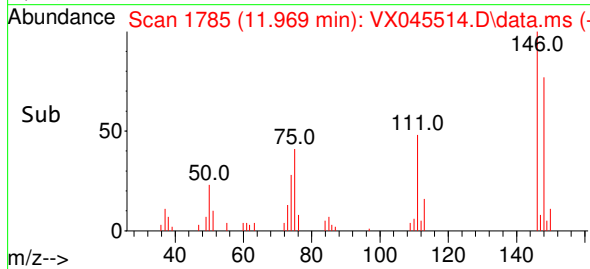
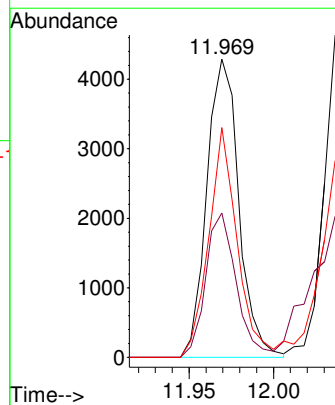
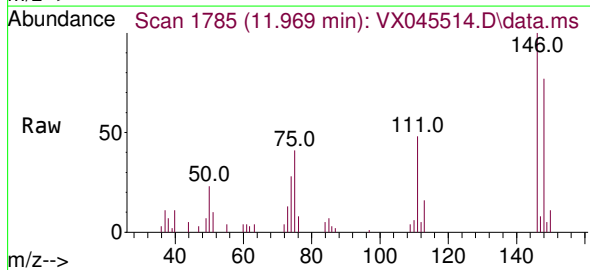
Tgt Ion:	146	Resp:	567
Ion	Ratio	Lower	Upper
146	100		
111	48.4	29.5	54.9
148	77.1	44.4	82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#65

1,4-Dichlorobenzene

Concen: 2.729 ug/L

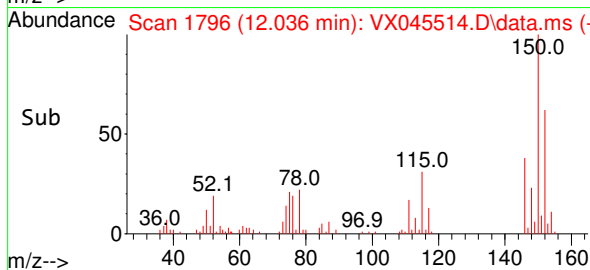
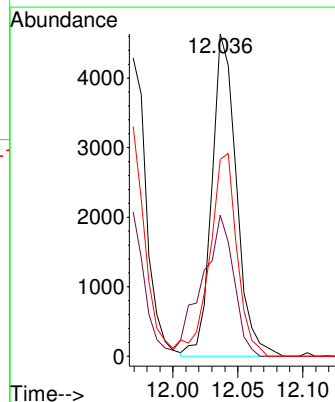
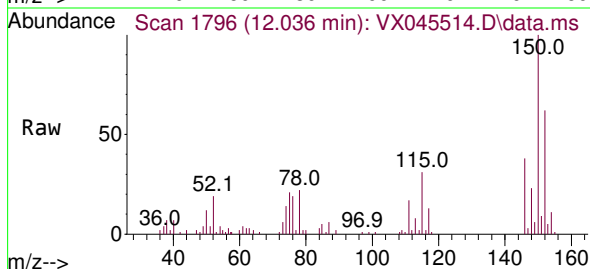
RT: 12.036 min Scan# 1796

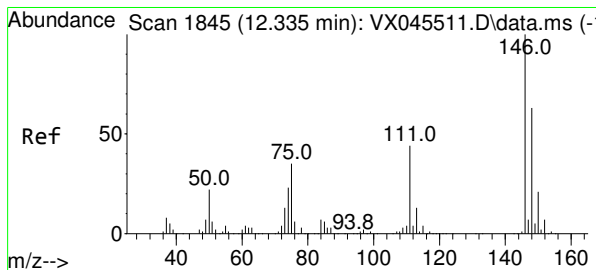
Delta R.T. 0.000 min

Lab File: VX045514.D

Acq: 31 Mar 2025 11:44

Tgt Ion:	146	Resp:	6112
Ion	Ratio	Lower	Upper
146	100		
111	43.8	29.7	55.1
148	61.1	43.5	80.7





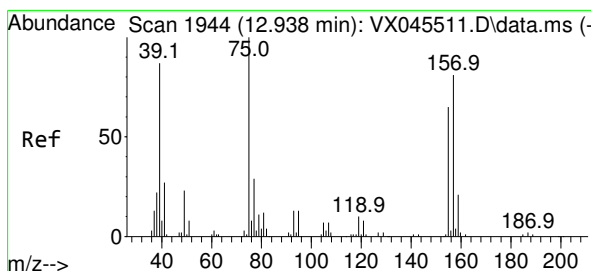
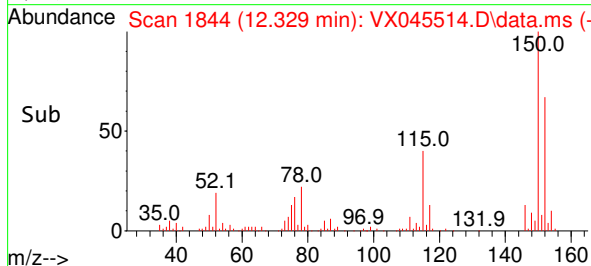
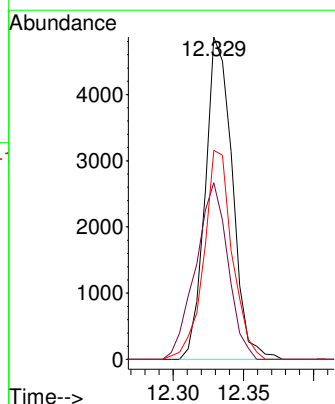
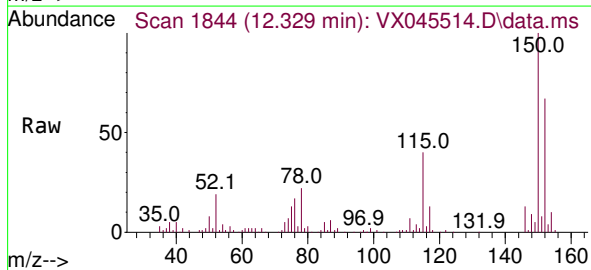
#67
1,2-Dichlorobenzene
Concen: 2.921 ug/L
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion: 146 Resp: 652
Ion Ratio Lower Upper
146 100
111 54.8 36.1 54.1
148 64.9 51.5 77.3

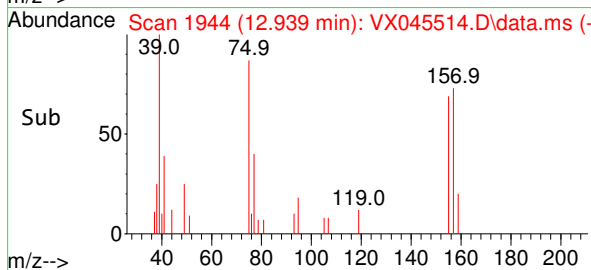
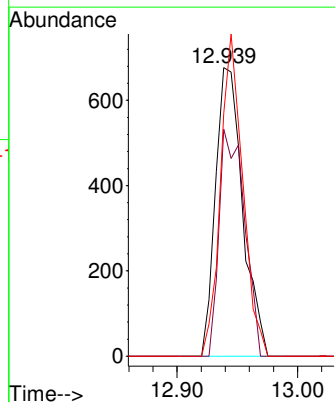
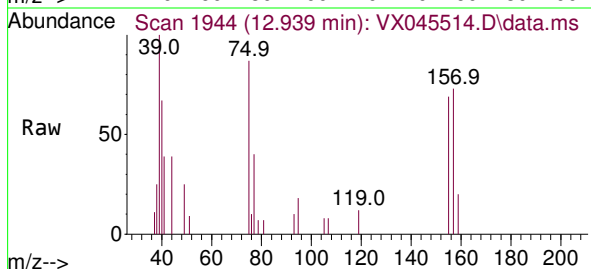
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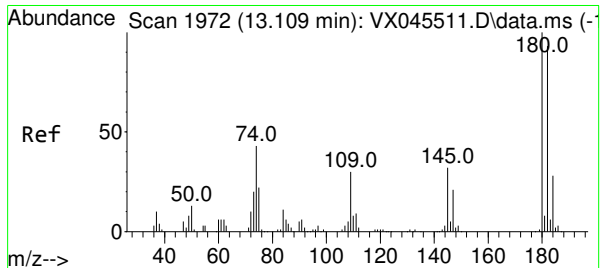
Reviewed By : John Carlone 04/07/2025
Supervised By : Mahesh Dadoda 04/07/2025



#68
1,2-Dibromo-3-chloropropane
Concen: 2.375 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion: 75 Resp: 1055
Ion Ratio Lower Upper
75 100
155 78.7 62.5 93.7
157 84.0 83.5 125.3





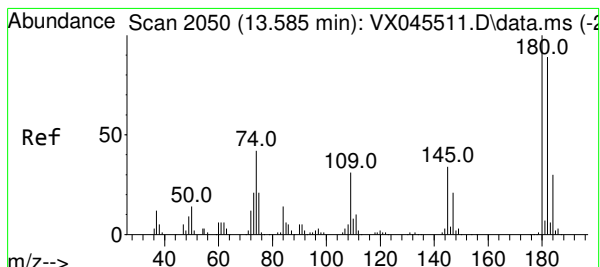
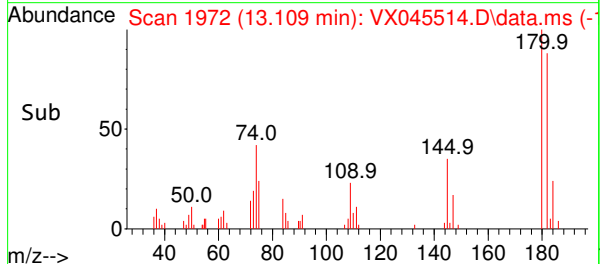
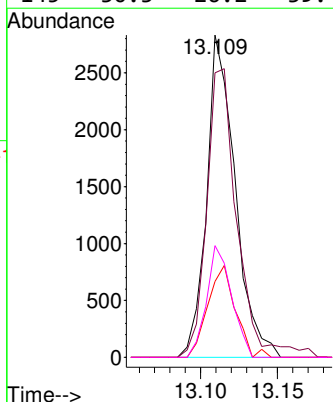
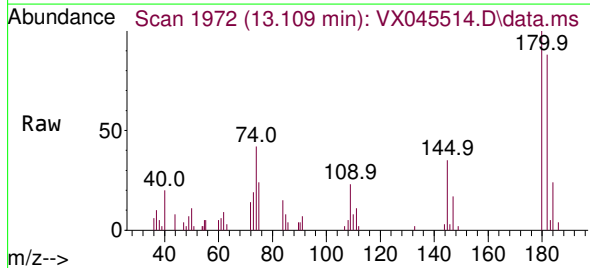
#69
1,3,5-Trichlorobenzene
Concen: 2.574 ug/L
RT: 13.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:180 Resp: 365
Ion Ratio Lower Upper
180 100
182 91.2 77.0 115.6
184 26.9 24.0 36.0
145 30.3 26.2 39.4

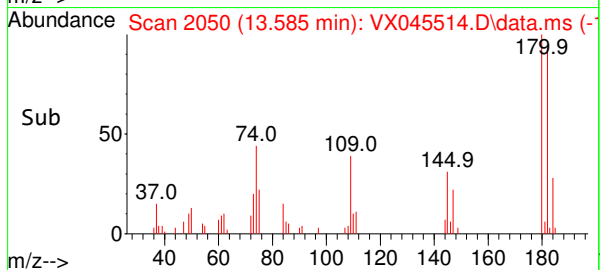
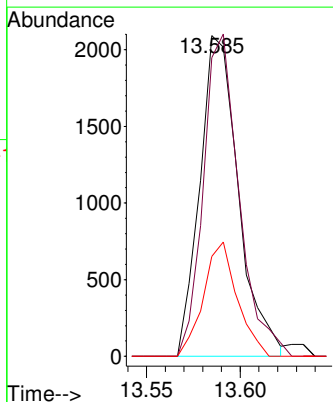
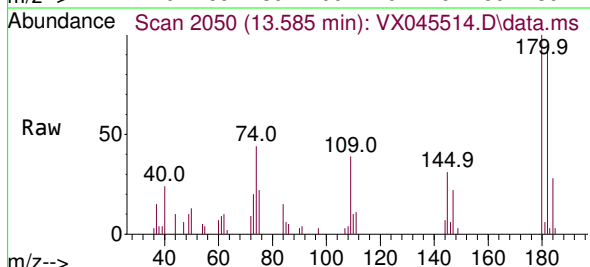
Manual Integrations
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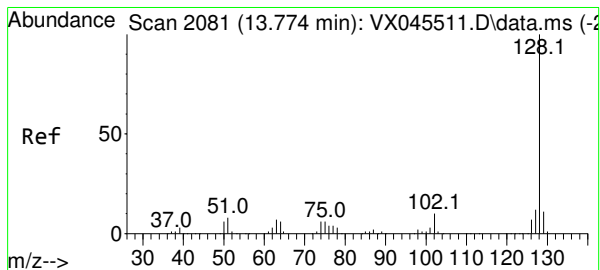
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#70
1,2,4-trichlorobenzene
Concen: 2.388 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:180 Resp: 2994
Ion Ratio Lower Upper
180 100
182 92.6 76.5 114.7
145 31.2 27.0 40.4





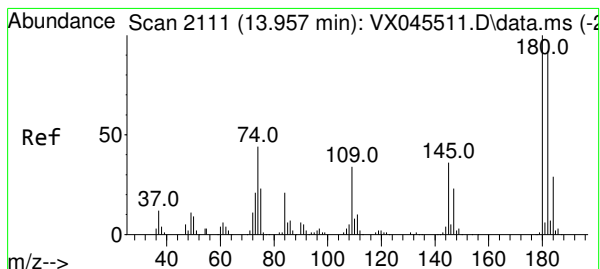
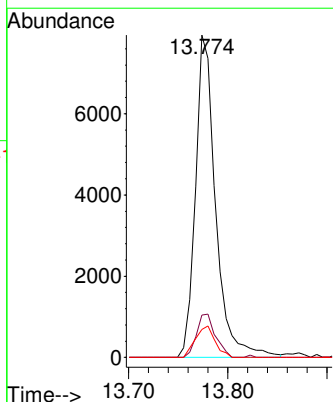
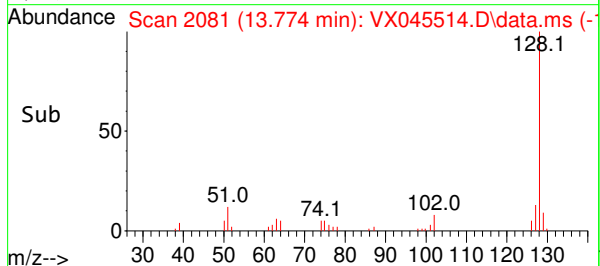
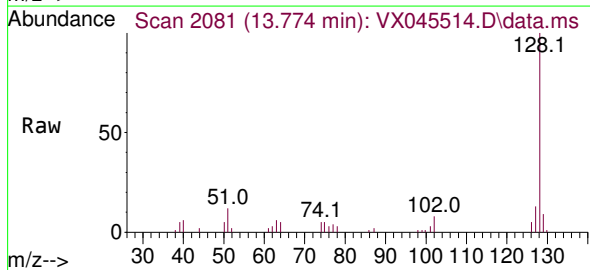
#71
Naphthalene
Concen: 2.353 ug/L
RT: 13.774 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT1-2025-02

Tgt Ion:	128	Resp:	1115
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	9.5	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#72
1,2,3-Trichlorobenzene
Concen: 2.201 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045514.D
Acq: 31 Mar 2025 11:44

Tgt Ion:	180	Resp:	2836
Ion	Ratio	Lower	Upper
180	100		
182	102.7	77.1	115.7
145	39.2	28.3	42.5

