

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043901.D
 Acq On : 19 Nov 2024 15:35
 Operator : JC/MD
 Sample : P4776-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 20 00:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 19 23:30:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2024
 Supervised By : Mahesh Dadoda 11/20/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	328946	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	233657	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	100373	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.367	65	107034	40.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.560%
7) Chloroethane-d5	1.642	69	50880	45.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.940%
11) 1,1-Dichloroethene-d2	2.294	65	42982	40.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.500%
21) 2-Butanone-d5	4.452	46	143795	91.180	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.180%
24) Chloroform-d	5.050	84	195360	40.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.340%
26) 1,2-Dichloroethane-d4	5.946	65	130056	40.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.580%
32) Benzene-d6	5.964	84	391454	50.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	7.299	67	121007	51.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.920%
41) Toluene-d8	8.647	98	352011	52.078	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.160%
43) trans-1,3-Dichloroprop...	8.945	79	52680	49.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.980%
47) 2-Hexanone-d5	9.384	63	85281	98.082	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.080%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	135036	45.988	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.317	152	97824	45.914	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	6120	2.267	ug/L	96
3) Chloromethane	1.294	50	6123	2.219	ug/L	94
5) Vinyl chloride	1.374	62	6654	2.371	ug/L #	72
6) Bromomethane	1.593	94	2624	2.245	ug/L	90
8) Chloroethane	1.660	64	2776	2.223	ug/L #	69
9) Trichlorofluoromethane	1.867	101	8448	2.250	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	6665	2.978	ug/L	88
12) 1,1-Dichloroethene	2.306	96	5726	2.809	ug/L #	1
13) Acetone	2.379	43	7978	5.755	ug/L	94
14) Carbon disulfide	2.501	76	8593	1.984	ug/L #	88
15) Methyl Acetate	2.709	43	6471	2.495	ug/L	95
16) Methylene chloride	2.776	84	6129	2.565	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	4893	2.242	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	17416	2.156	ug/L	100
19) 1,1-Dichloroethane	3.605	63	9209	2.118	ug/L	92
20) cis-1,2-Dichloroethene	4.483	96	5727	2.158	ug/L #	89
22) 2-Butanone	4.574	43	9527m	5.156	ug/L	
23) Bromochloromethane	4.891	128	2644m	1.936	ug/L	
27) 1,2-Dichloroethane	6.086	62	8440m	2.253	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.458	56	8648	2.845	ug/L #	87
30) 1,1,1-Trichloroethane	5.373	97	8682	2.693	ug/L #	63
31) Carbon tetrachloride	5.665	117	6789	2.596	ug/L	96
33) Benzene	6.031	78	22432	2.872	ug/L	100
35) Methylcyclohexane	7.366	83	8878	3.029	ug/L	96
37) 1,2-Dichloropropane	7.427	63	5762	2.842	ug/L #	89
38) Bromodichloromethane	7.824	83	6041	2.376	ug/L #	88
39) cis-1,3-Dichloropropene	8.366	75	8588	2.688	ug/L	100
40) 4-Methyl-2-pentanone	8.573	43	14363	5.175	ug/L	99
42) Toluene	8.720	91	22237	2.825	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	7263	2.530	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	5613	2.816	ug/L	89
46) Tetrachloroethene	9.275	164	3517	2.518	ug/L	89
48) 2-Hexanone	9.433	43	13479	6.434	ug/L	92
49) Dibromochloromethane	9.518	129	4065	2.206	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5471	2.605	ug/L #	93
51) Chlorobenzene	10.079	112	11656	2.387	ug/L	96
52) Ethylbenzene	10.195	91	19365	2.334	ug/L	99
53) m,p-Xylene	10.305	106	7163	2.325	ug/L	82
54) o-Xylene	10.640	106	7242	2.334	ug/L	99
55) Styrene	10.658	104	10481	2.041	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	7767	2.603	ug/L	98
59) Bromoform	10.799	173	2154	1.915	ug/L #	94
60) Isopropylbenzene	10.963	105	17561	2.220	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	5889	2.575	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	14019	2.243	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	14378	2.307	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	8035	2.421	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	8318	2.524	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	8612	2.506	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	1417	2.476	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.109	180	5279	2.465	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	4722	2.392	ug/L	98
71) Naphthalene	13.780	128	17911	2.439	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5117	2.572	ug/L	94

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

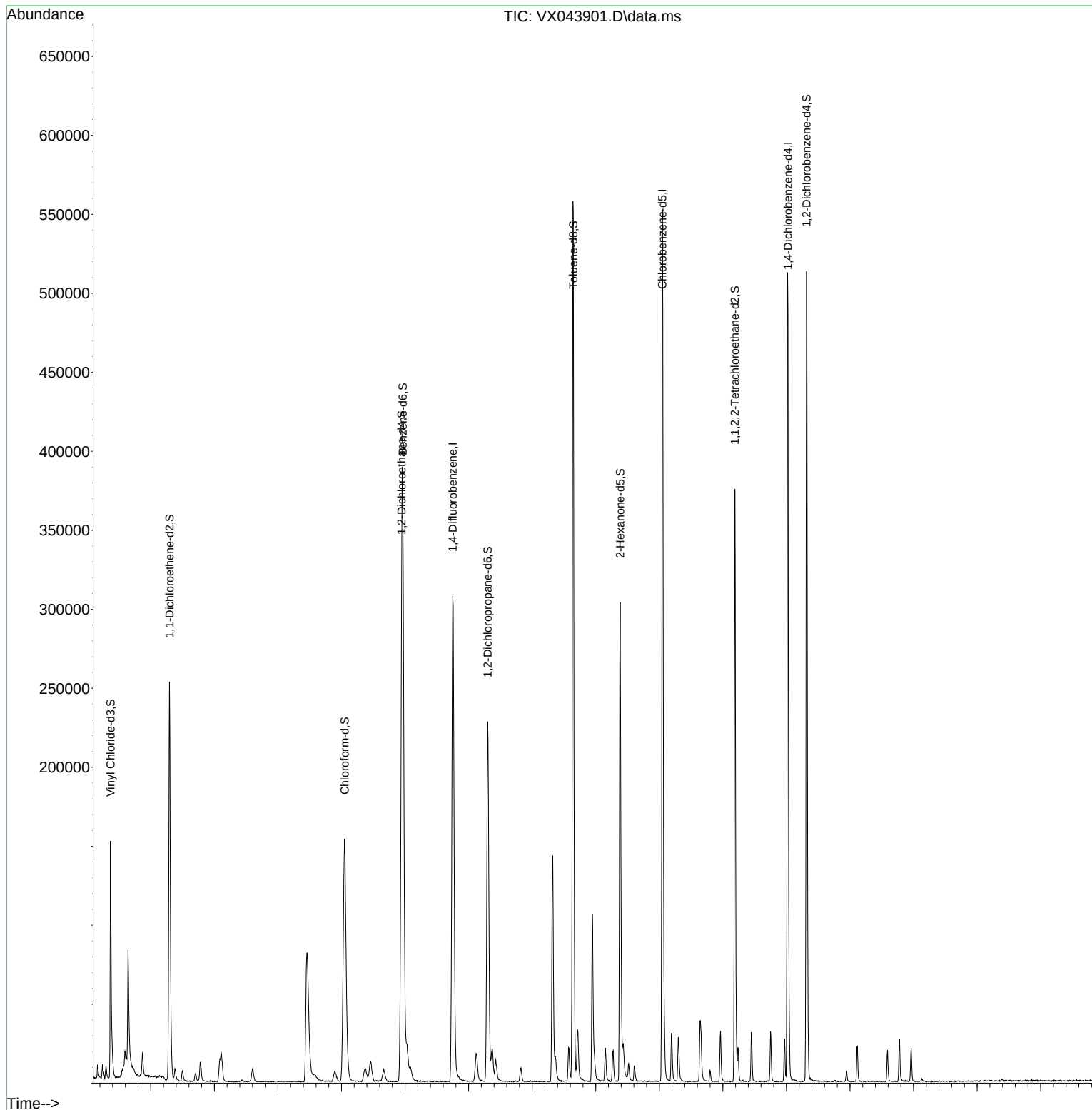
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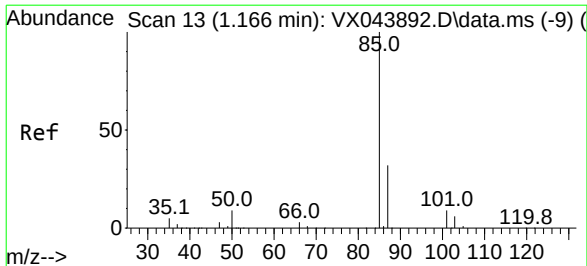
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

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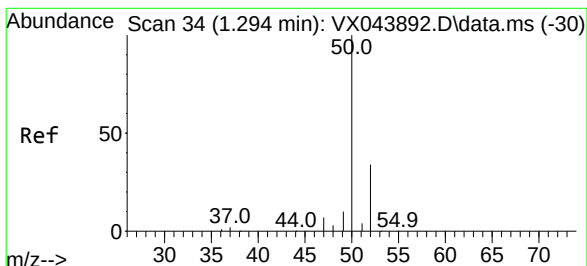
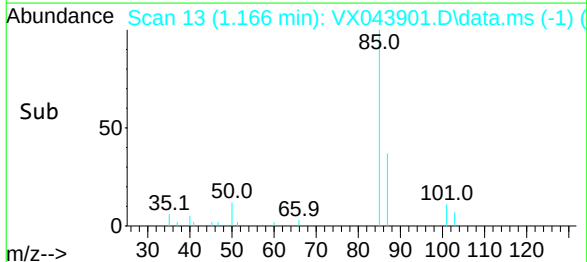
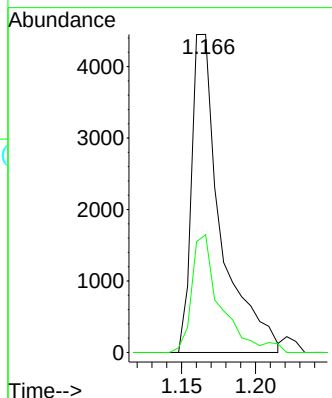
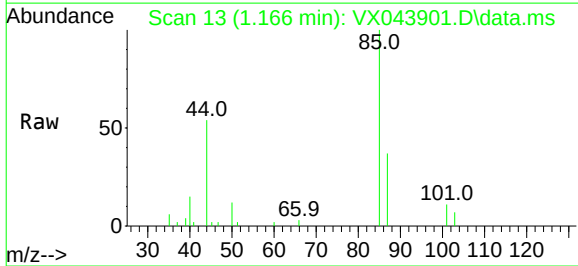
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Dichlorodifluoromethane
Concen: 2.267 ug/L
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 85 Resp: 6120
Ion Ratio Lower Upper
85 100
87 35.0 26.1 39.1

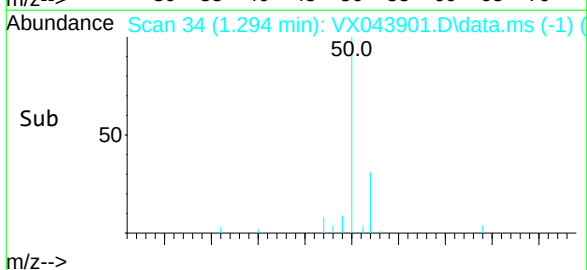
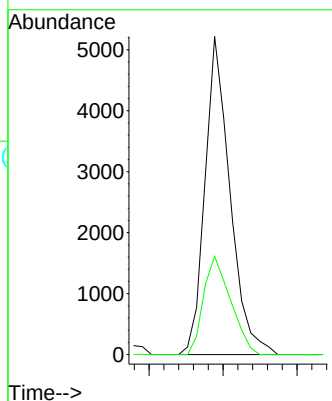
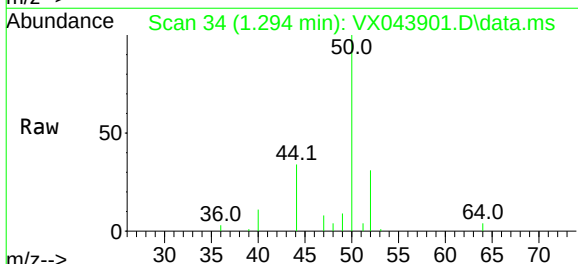
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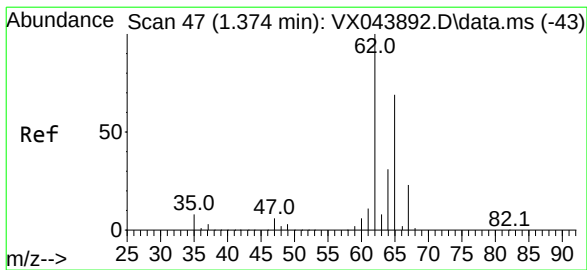
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#3
Chloromethane
Concen: 2.219 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion: 50 Resp: 6123
Ion Ratio Lower Upper
50 100
52 30.9 23.9 44.3





#5

Vinyl chloride

Concen: 2.371 ug/L

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043901.D

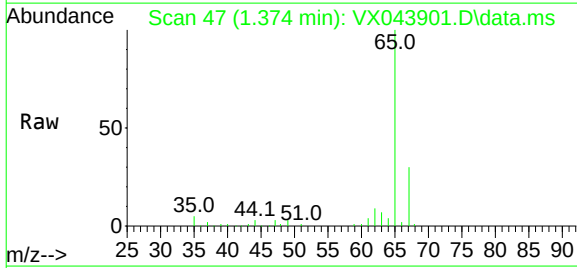
Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07



Tgt Ion: 62 Resp: 6654

Ion Ratio Lower Upper

62 100

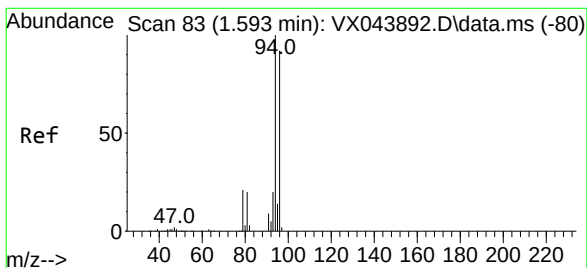
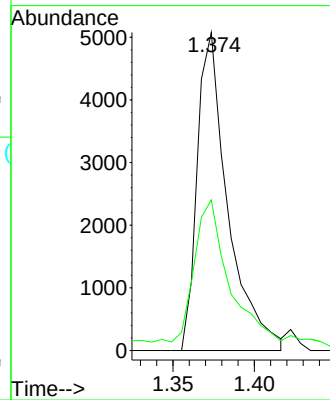
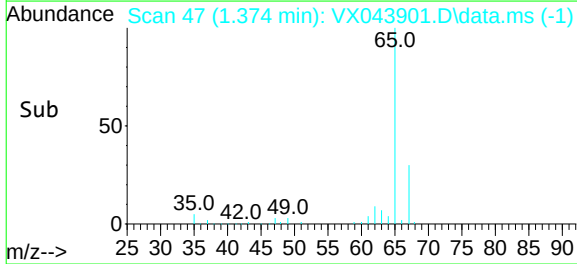
64 47.4 22.2 41.2#

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Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#6

Bromomethane

Concen: 2.245 ug/L

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043901.D

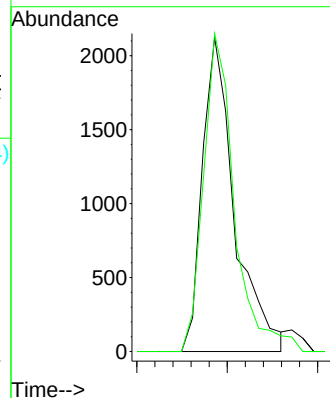
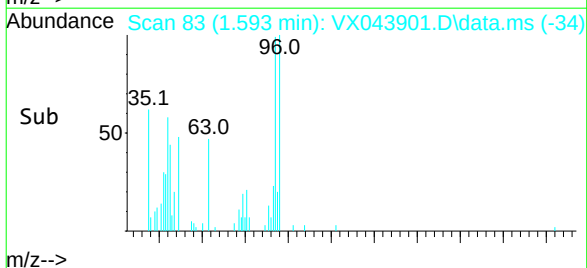
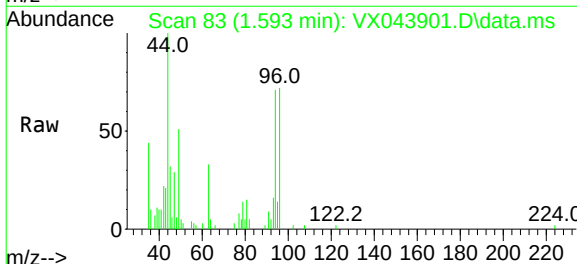
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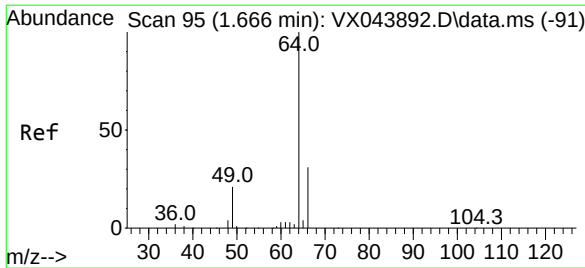
Tgt Ion: 94 Resp: 2624

Ion Ratio Lower Upper

94 100

96 101.2 64.2 119.2





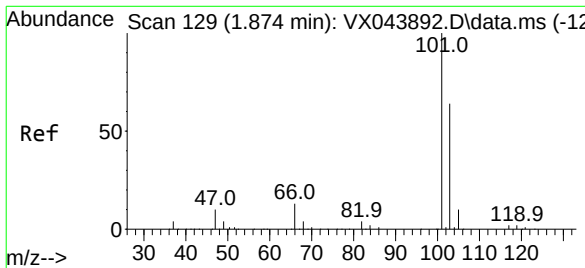
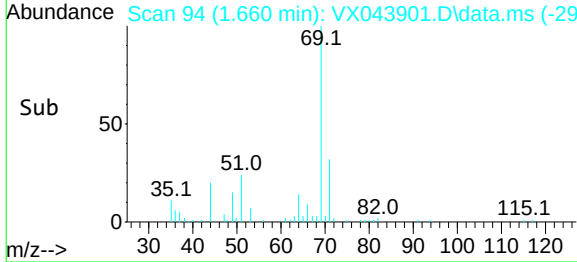
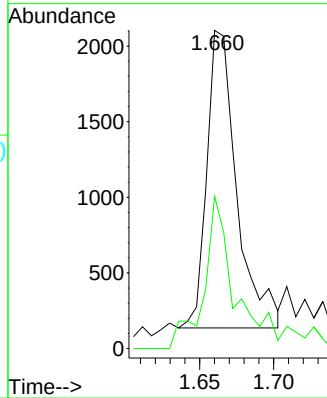
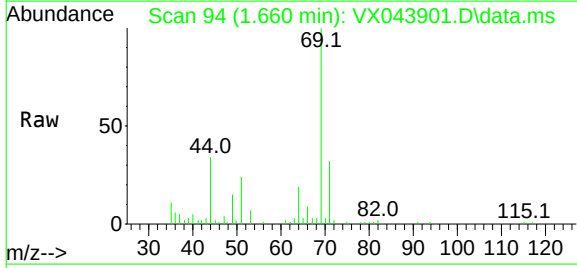
#8
Chloroethane
Concen: 2.223 ug/L
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 64 Resp: 2776
Ion Ratio Lower Upper
64 100
66 47.8 21.5 39.9#

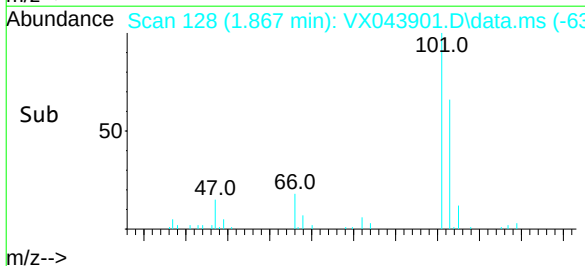
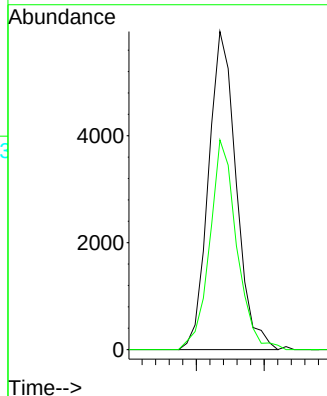
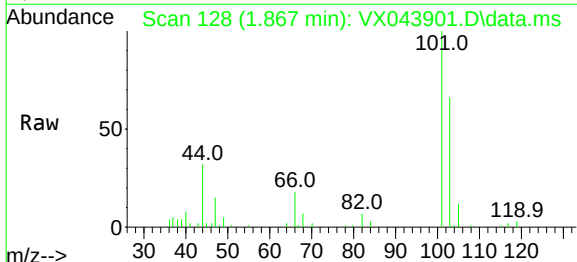
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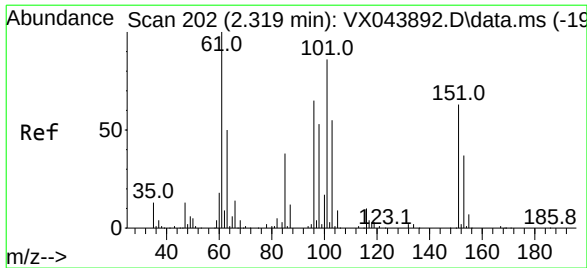
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#9
Trichlorofluoromethane
Concen: 2.250 ug/L
RT: 1.867 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

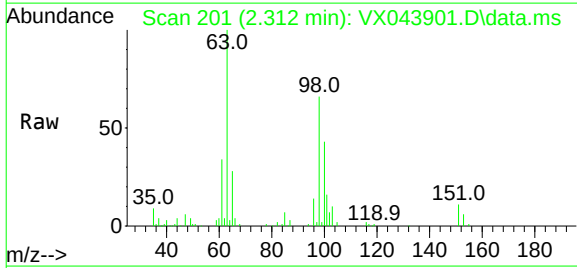
Tgt Ion:101 Resp: 8448
Ion Ratio Lower Upper
101 100
103 63.4 50.8 76.2





#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.978 ug/L
 RT: 2.312 min Scan# 200
 Delta R.T. -0.006 min
 Lab File: VX043901.D
 Acq: 19 Nov 2024 15:35

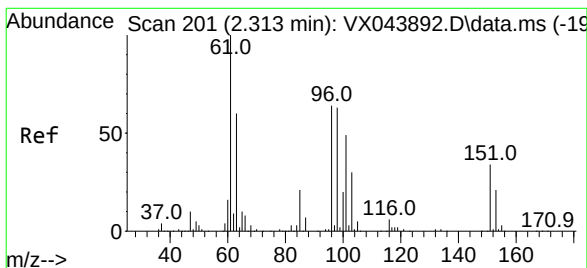
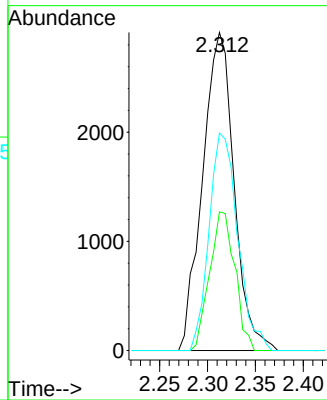
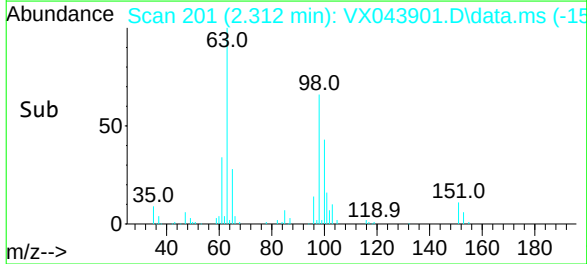
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2024-07



Tgt Ion: 101 Resp: 6665
 Ion Ratio Lower Upper
 101 100
 85 35.0 33.9 50.9
 151 62.2 58.5 87.7

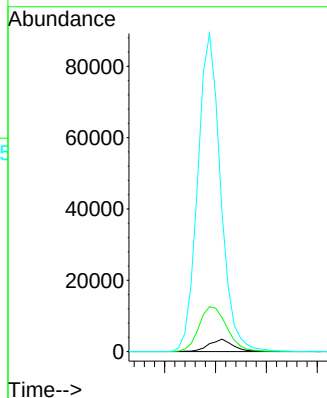
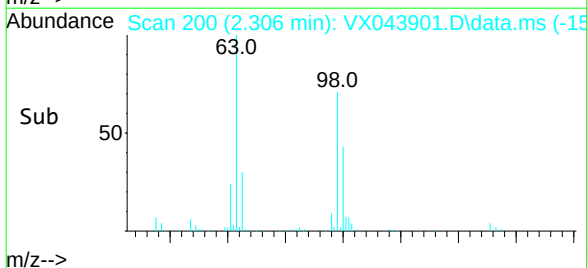
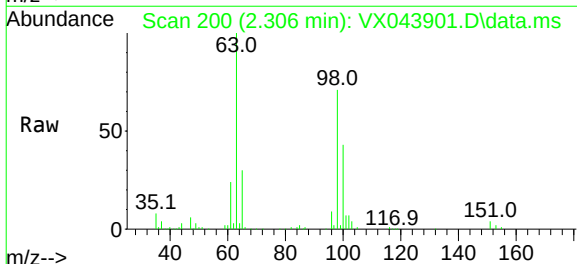
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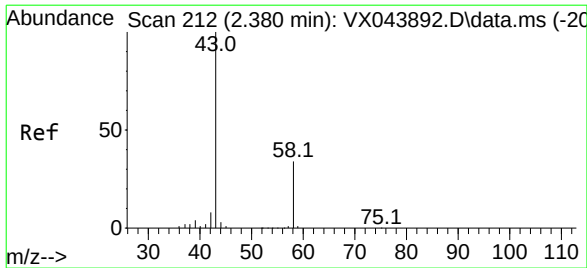
Reviewed By : John Carlone 11/20/2024
 Supervised By : Mahesh Dadoda 11/20/2024



#12
 1,1-Dichloroethene
 Concen: 2.809 ug/L
 RT: 2.306 min Scan# 200
 Delta R.T. -0.006 min
 Lab File: VX043901.D
 Acq: 19 Nov 2024 15:35

Tgt Ion: 96 Resp: 5726
 Ion Ratio Lower Upper
 96 100
 61 274.1 109.3 203.1#
 63 1123.7 65.7 122.1#





#13

Acetone

Concen: 5.755 ug/L

RT: 2.379 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 43 Resp: 7978

Ion Ratio Lower Upper

43 100

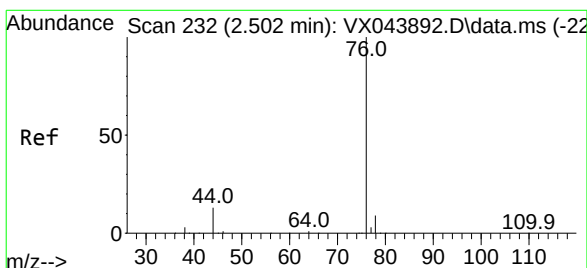
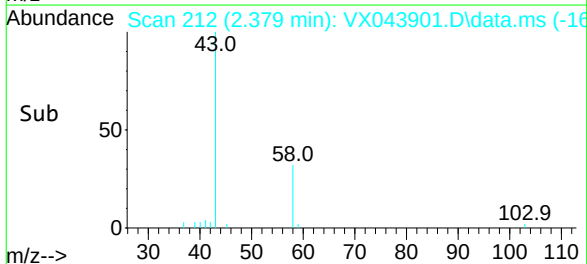
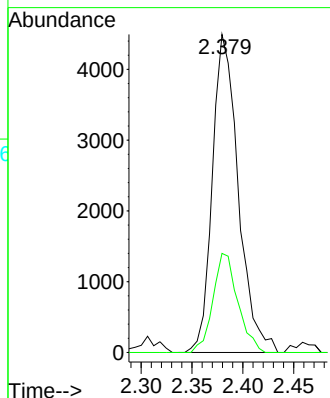
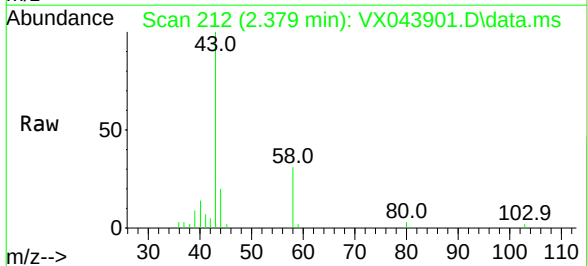
58 29.8 0.0 66.0

Manual Integrations

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Supervised By :Mahesh Dadoda 11/20/2024



#14

Carbon disulfide

Concen: 1.984 ug/L

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043901.D

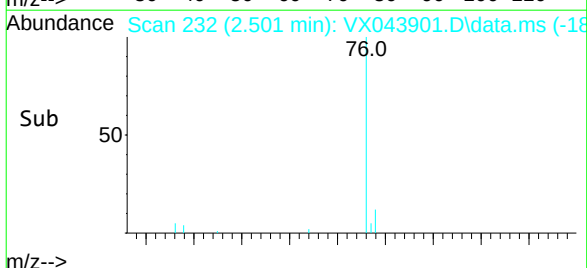
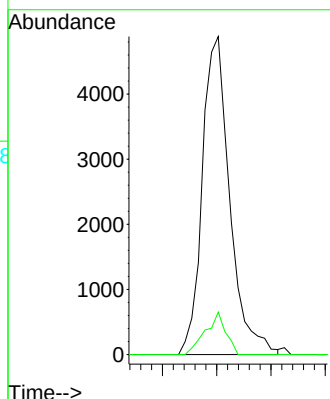
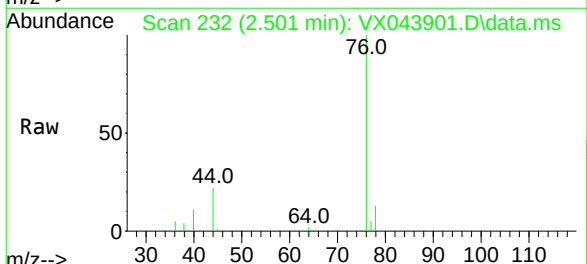
Acq: 19 Nov 2024 15:35

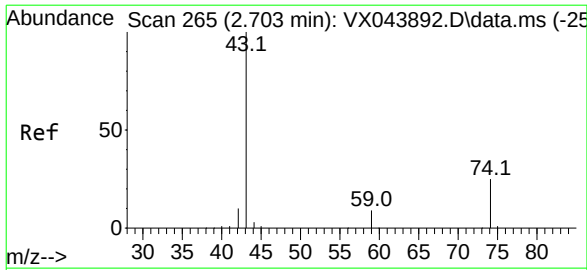
Tgt Ion: 76 Resp: 8593

Ion Ratio Lower Upper

76 100

78 13.4 7.2 10.8#





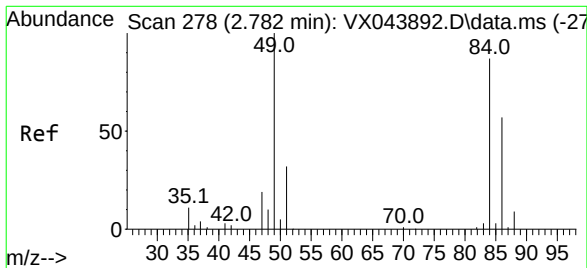
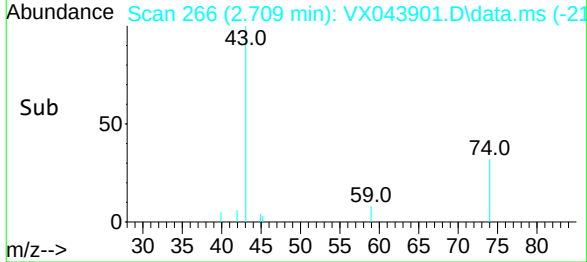
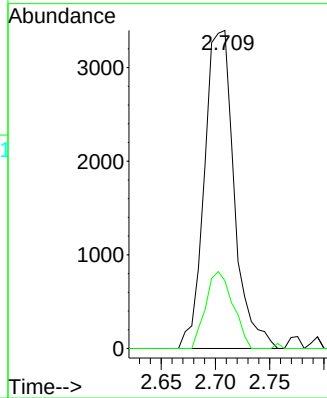
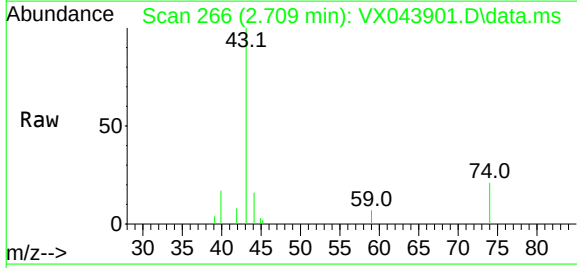
#15
Methyl Acetate
Concen: 2.495 ug/L
RT: 2.709 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.4	29.2

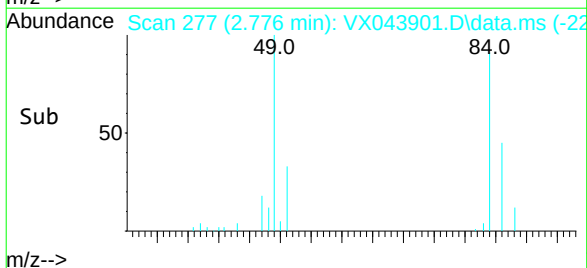
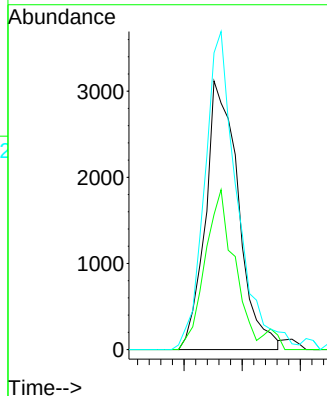
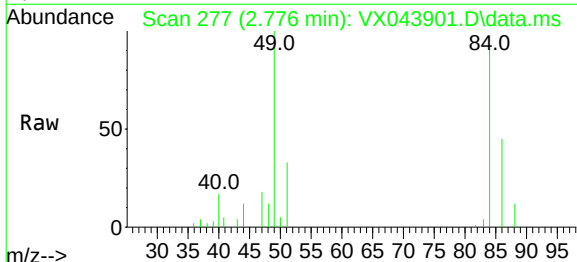
Manual Integrations
APPROVED

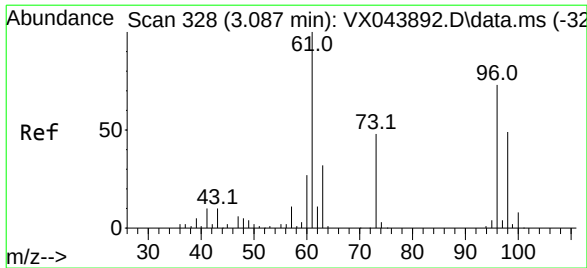
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#16
Methylene chloride
Concen: 2.565 ug/L
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion	Ratio	Lower	Upper
84	100		
86	50.2	46.0	85.4
49	110.5	80.8	150.2





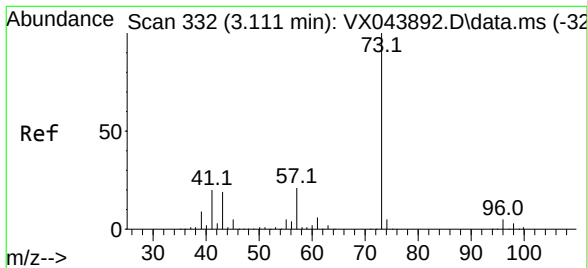
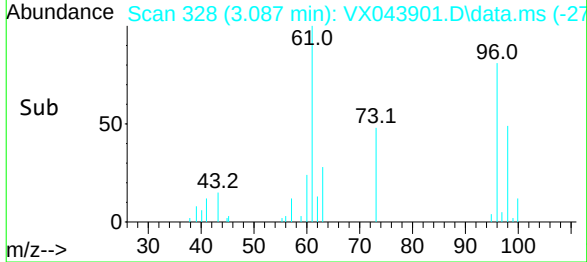
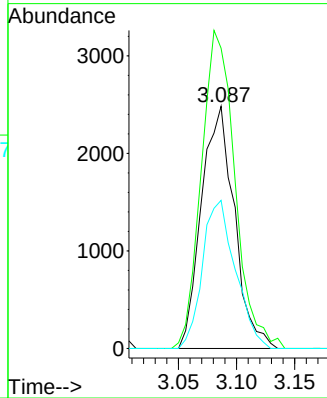
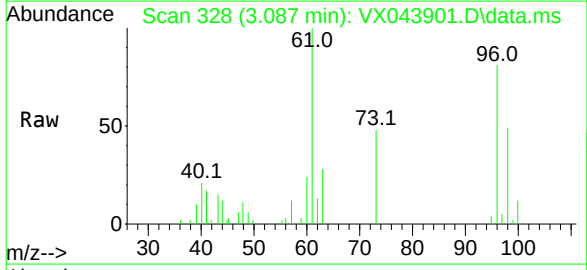
#17
trans-1,2-Dichloroethene
Concen: 2.242 ug/L
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 96 Resp: 4893
Ion Ratio Lower Upper
96 100
61 124.0 95.7 177.7
98 61.2 47.2 87.6

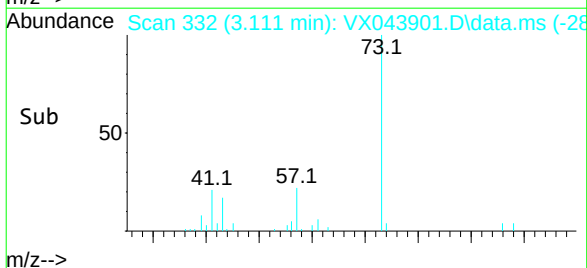
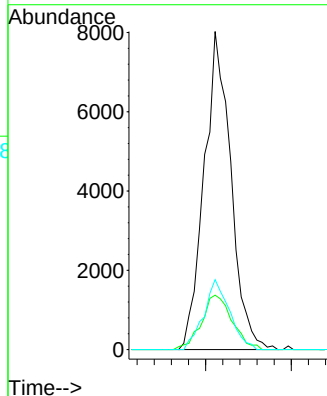
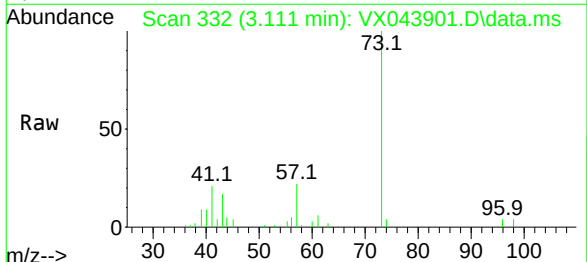
Manual Integrations
APPROVED

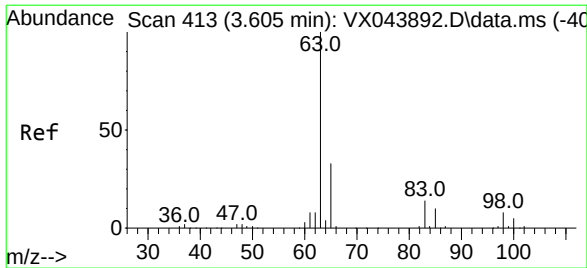
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#18
Methyl tert-butyl Ether
Concen: 2.156 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion: 73 Resp: 17416
Ion Ratio Lower Upper
73 100
43 19.3 15.2 22.8
57 21.2 17.0 25.6





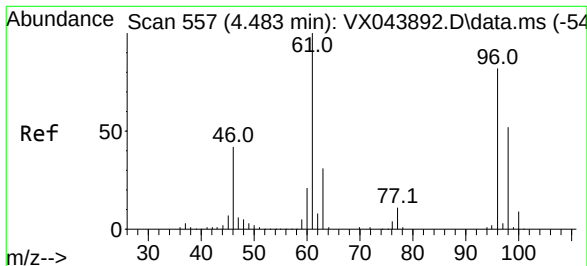
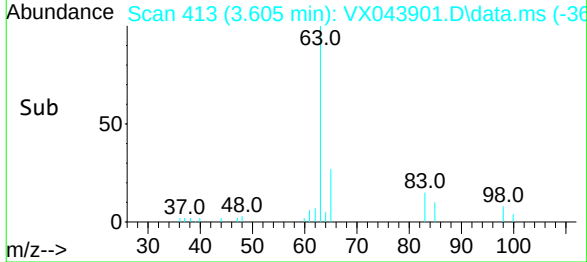
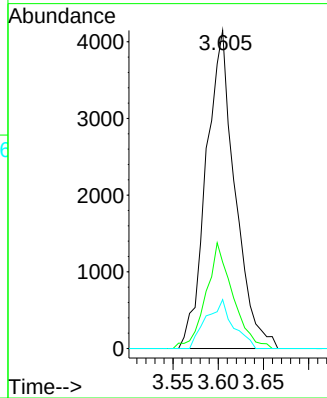
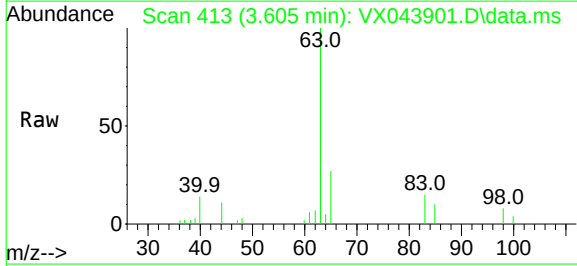
#19
1,1-Dichloroethane
Concen: 2.118 ug/L
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	63	Resp:	9209
Ion	Ratio	Lower	Upper
63	100		
65	27.1	23.2	43.2
83	15.4	10.0	18.6

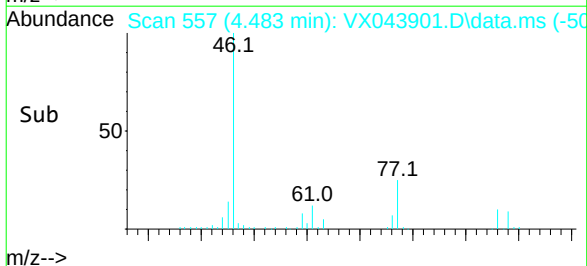
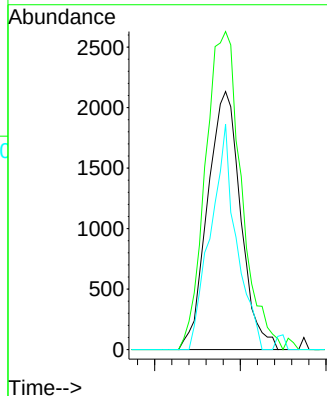
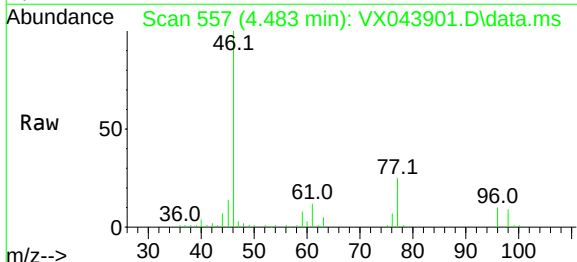
Manual Integrations
APPROVED

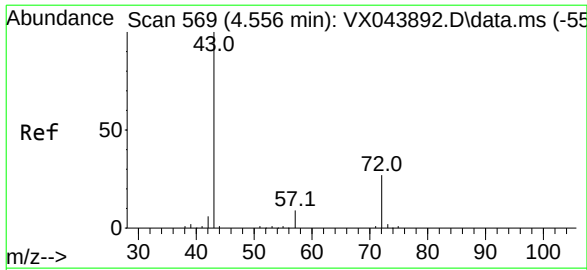
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#20
cis-1,2-Dichloroethene
Concen: 2.158 ug/L
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:	96	Resp:	5727
Ion	Ratio	Lower	Upper
96	100		
61	123.3	85.0	158.0
98	87.3	44.6	82.8





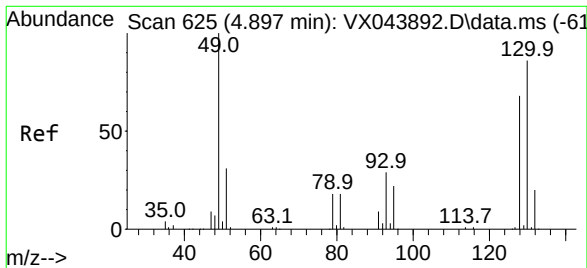
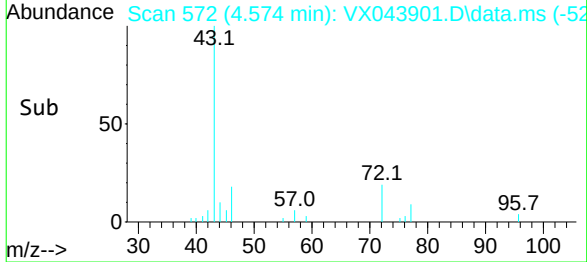
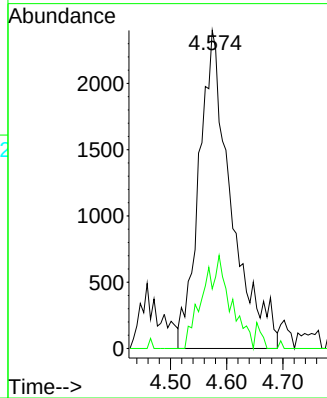
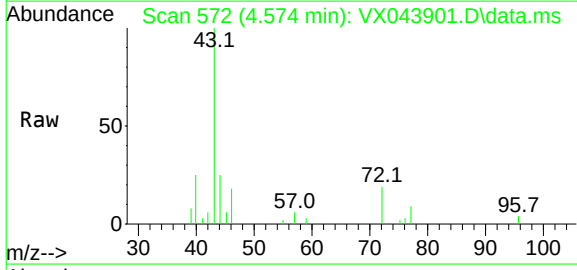
#22
2-Butanone
Concen: 5.156 ug/L m
RT: 4.574 min Scan# 57
Delta R.T. 0.018 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 43 Resp: 9527
Ion Ratio Lower Upper
43 100
72 1.6 13.1 39.3#

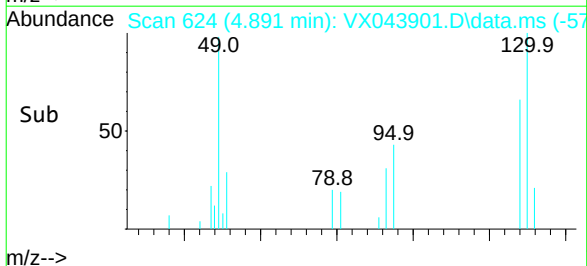
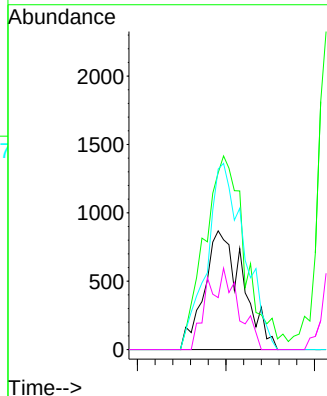
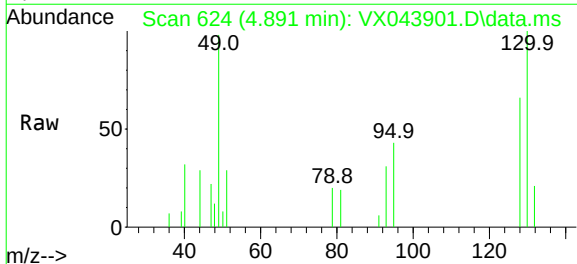
Manual Integrations
APPROVED

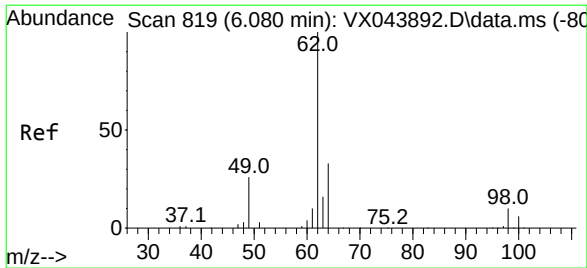
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#23
Bromochloromethane
Concen: 1.936 ug/L m
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:128 Resp: 2644
Ion Ratio Lower Upper
128 100
49 149.0 103.7 192.5
130 152.1 89.1 165.5
51 43.8 36.6 55.0





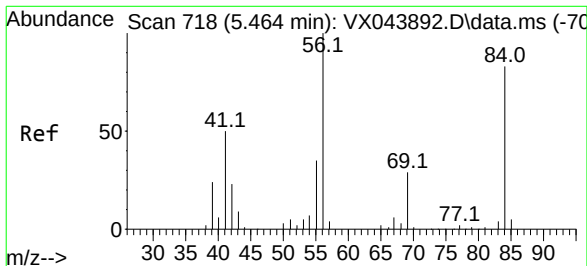
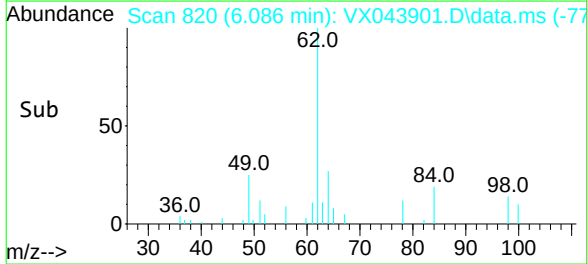
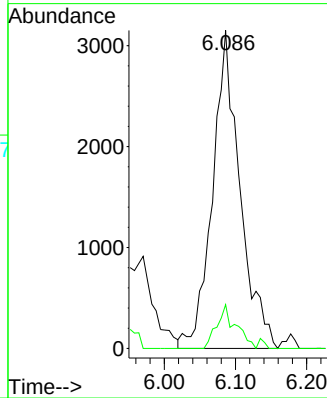
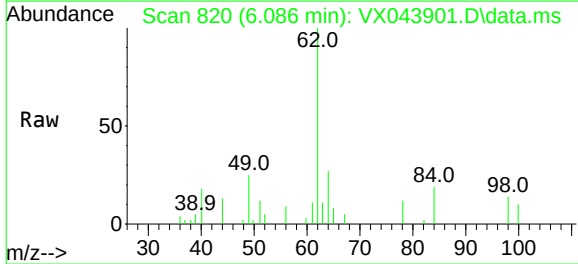
#27
1,2-Dichloroethane
Concen: 2.253 ug/L m
RT: 6.086 min Scan# 82
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 62 Resp: 8440
Ion Ratio Lower Upper
62 100
98 13.8 7.7 11.5#

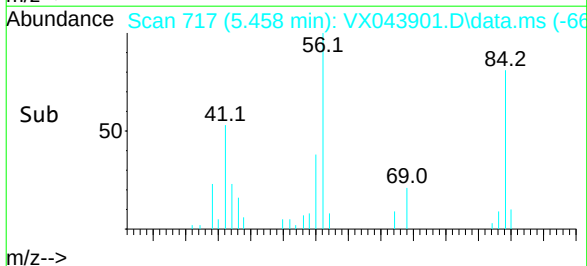
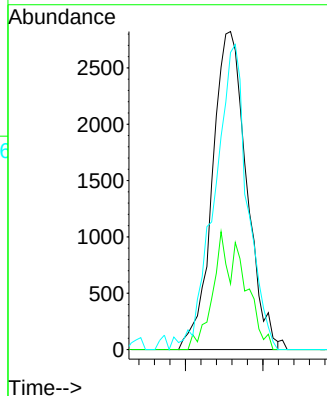
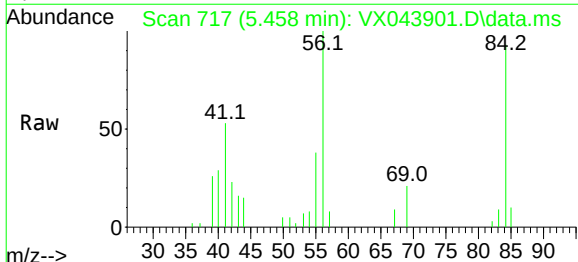
Manual Integrations
APPROVED

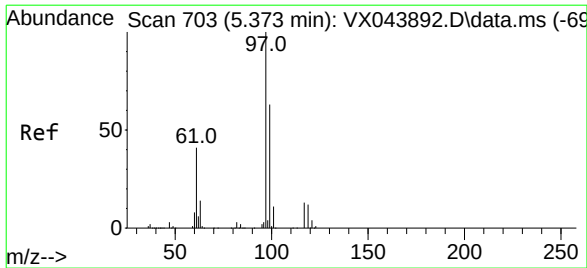
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#29
Cyclohexane
Concen: 2.845 ug/L
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

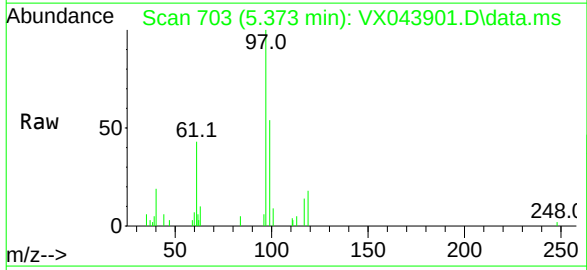
Tgt Ion: 56 Resp: 8648
Ion Ratio Lower Upper
56 100
69 3.9 25.1 37.7#
84 90.4 72.9 109.3





#30
1,1,1-Trichloroethane
Concen: 2.693 ug/L
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

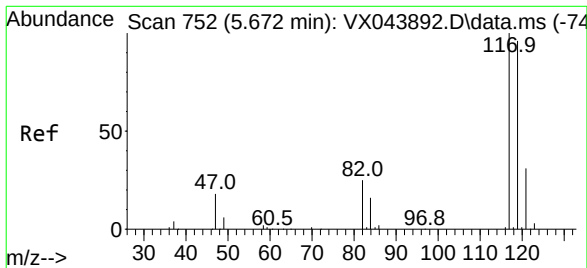
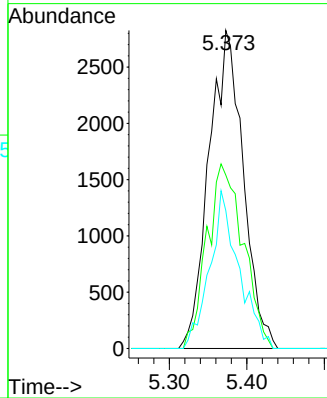
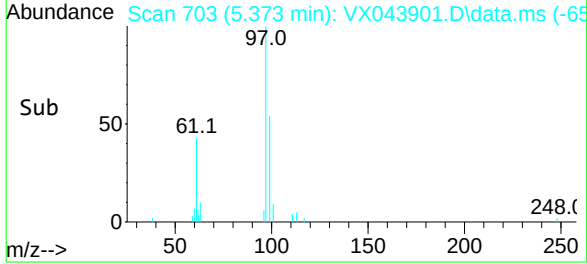
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion: 97 Resp: 8682
Ion Ratio Lower Upper
97 100
99 17.9 52.2 78.2#
61 42.1 32.8 49.2

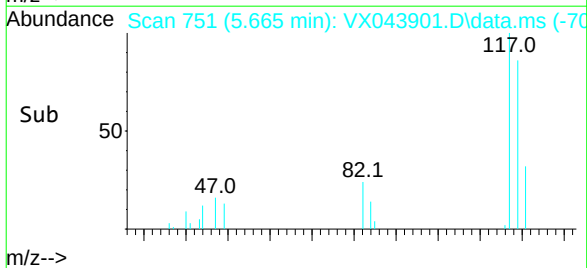
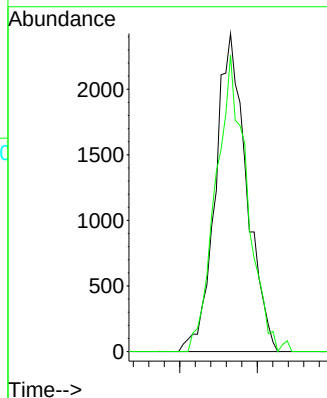
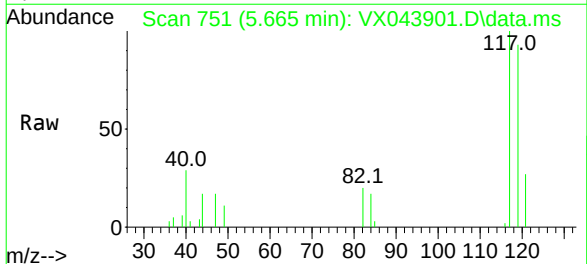
Manual Integrations
APPROVED

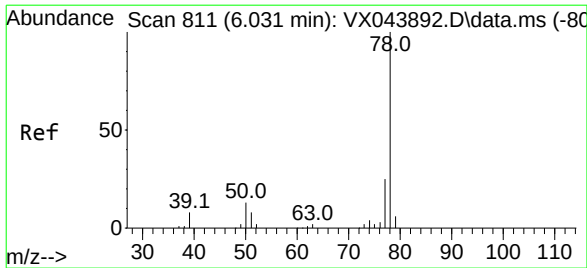
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#31
Carbon tetrachloride
Concen: 2.596 ug/L
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:117 Resp: 6789
Ion Ratio Lower Upper
117 100
119 92.9 77.7 116.5





#33

Benzene

Concen: 2.872 ug/L

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

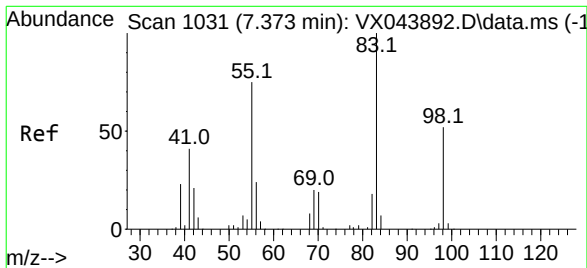
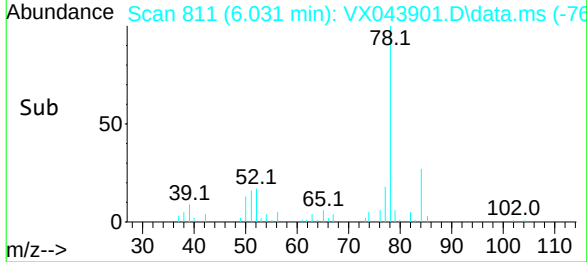
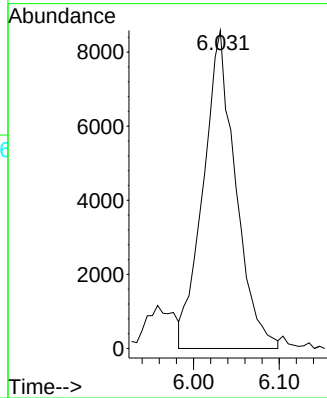
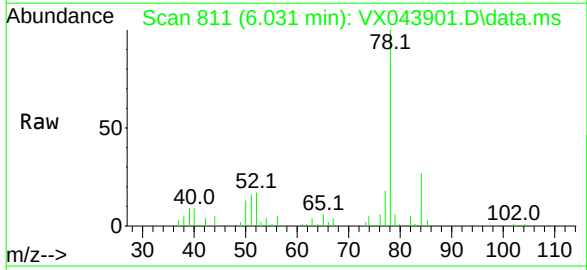
Tgt Ion: 78 Resp: 22432

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#35

Methylcyclohexane

Concen: 3.029 ug/L

RT: 7.366 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

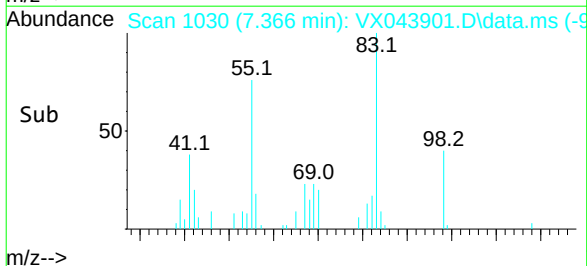
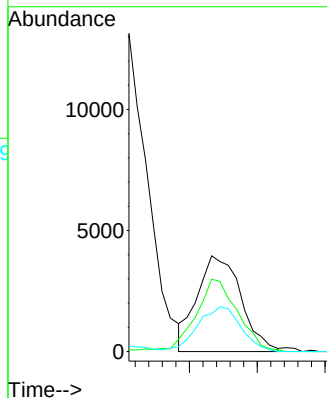
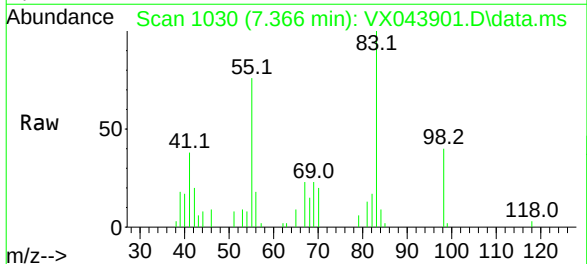
Tgt Ion: 83 Resp: 8878

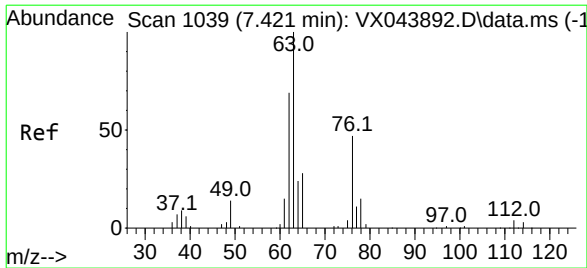
Ion Ratio Lower Upper

83 100

55 70.7 58.5 87.7

98 46.2 40.5 60.7





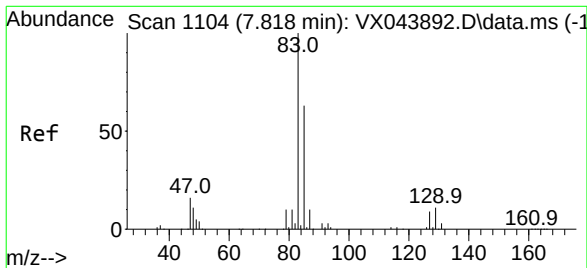
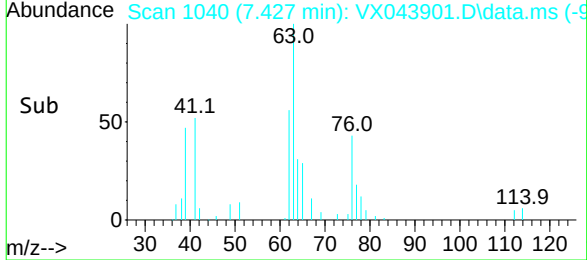
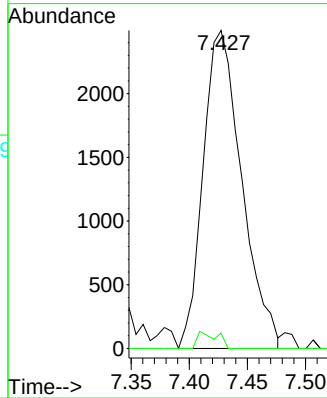
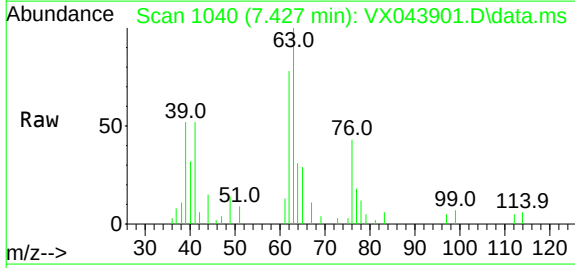
#37
1,2-Dichloropropane
Concen: 2.842 ug/L
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 63 Resp: 5762
Ion Ratio Lower Upper
63 100
112 0.8 3.6 5.4#

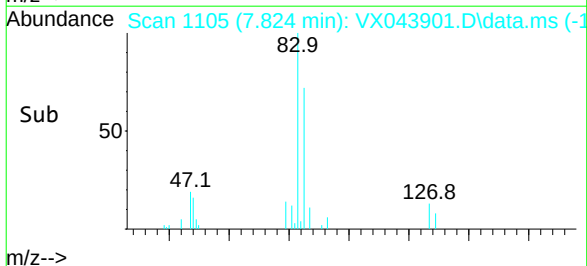
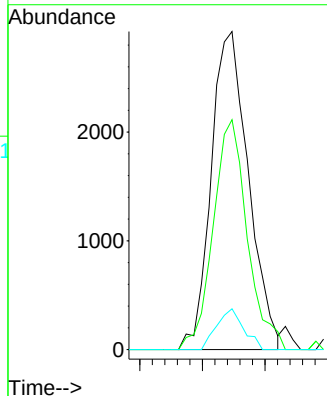
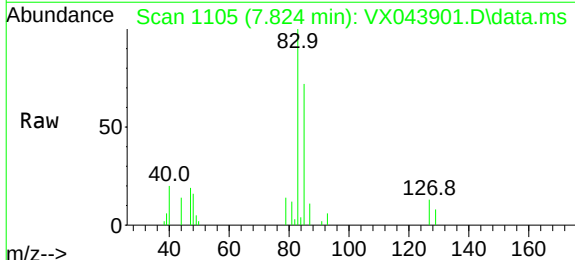
Manual Integrations
APPROVED

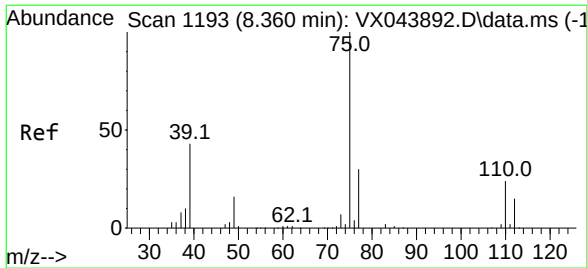
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#38
Bromodichloromethane
Concen: 2.376 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion: 83 Resp: 6041
Ion Ratio Lower Upper
83 100
85 72.3 44.1 81.9
127 12.8 7.0 10.4#





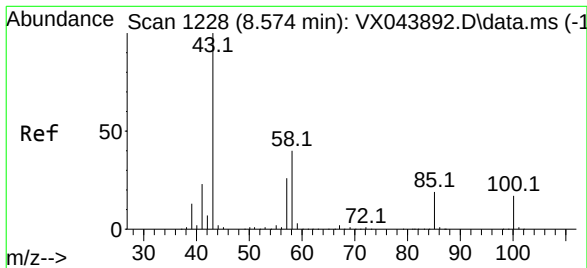
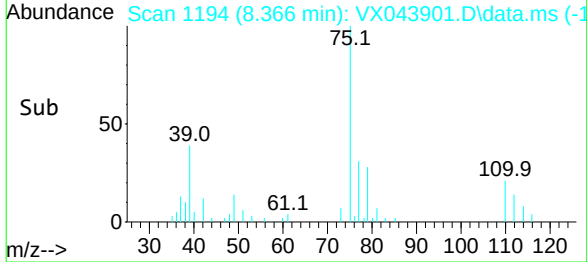
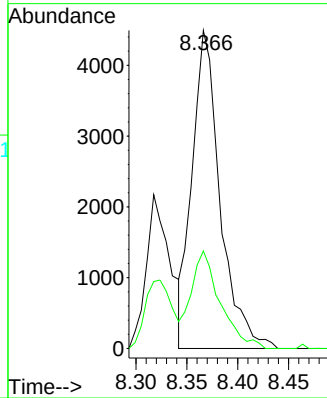
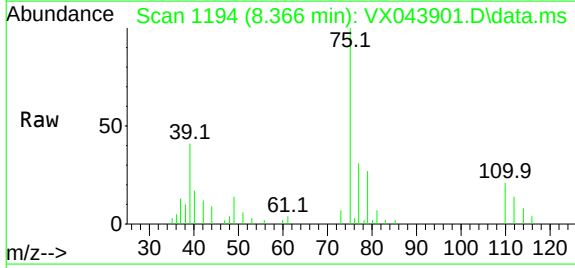
#39
cis-1,3-Dichloropropene
Concen: 2.688 ug/L
RT: 8.366 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion: 75 Resp: 8588
Ion Ratio Lower Upper
75 100
77 30.7 21.6 40.0

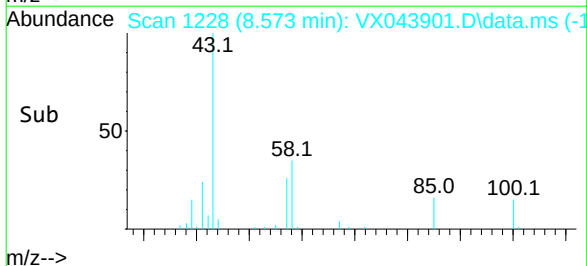
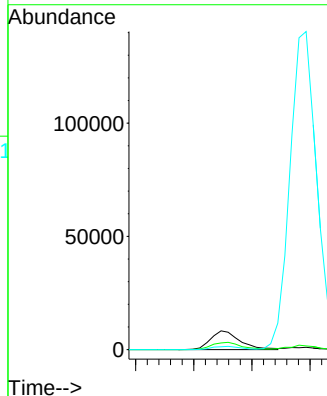
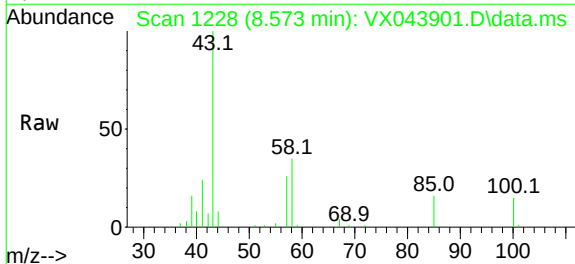
Manual Integrations
APPROVED

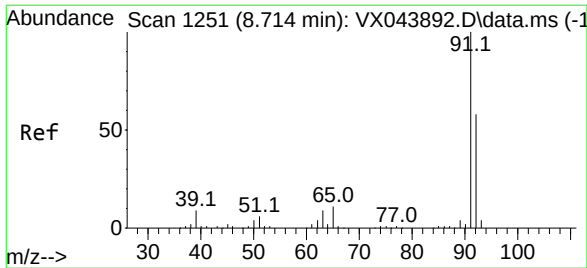
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#40
4-Methyl-2-pentanone
Concen: 5.175 ug/L
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion: 43 Resp: 14363
Ion Ratio Lower Upper
43 100
58 39.7 32.4 48.6
100 16.6 13.7 20.5





#42

Toluene

Concen: 2.825 ug/L

RT: 8.720 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion: 91 Resp: 22237

Ion Ratio Lower Upper

91 100

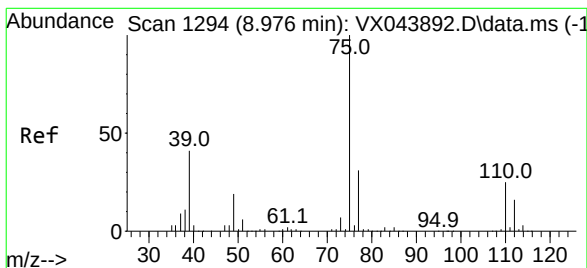
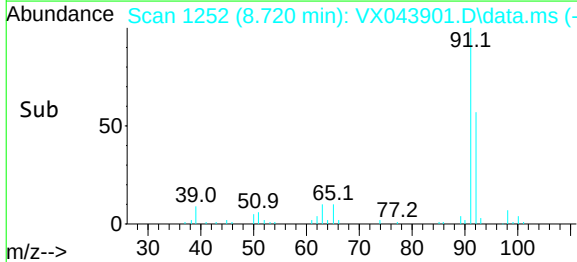
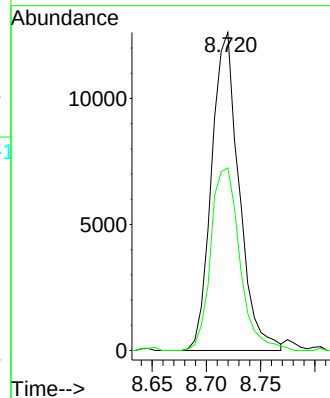
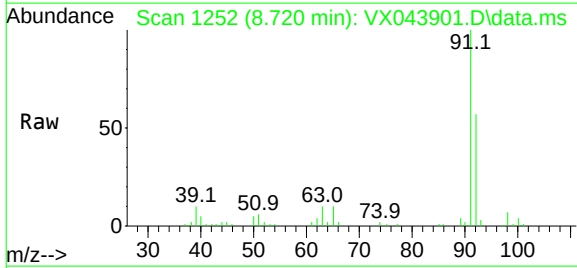
92 57.4 40.7 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#44

trans-1,3-Dichloropropene

Concen: 2.530 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043901.D

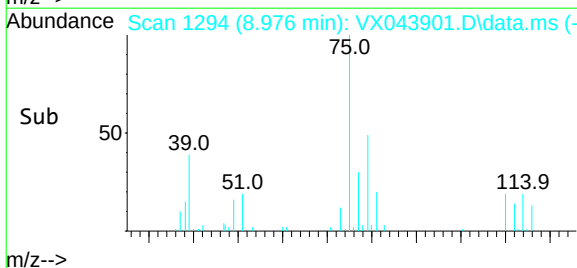
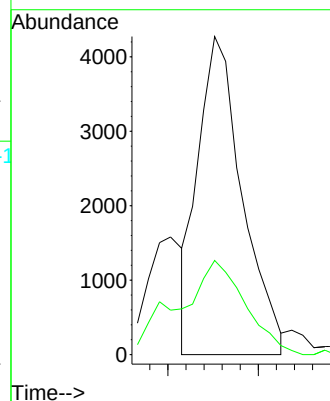
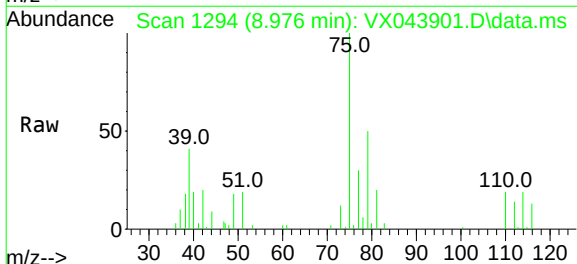
Acq: 19 Nov 2024 15:35

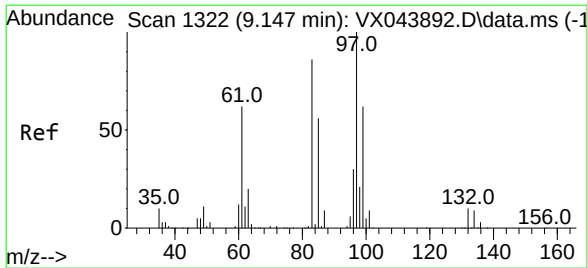
Tgt Ion: 75 Resp: 7263

Ion Ratio Lower Upper

75 100

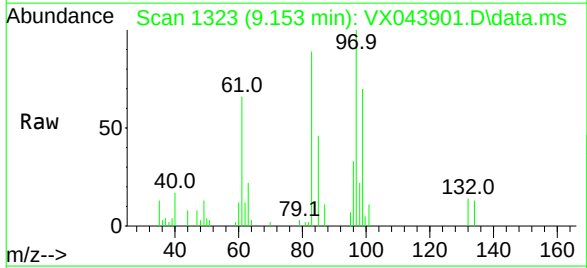
77 29.6 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 2.816 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

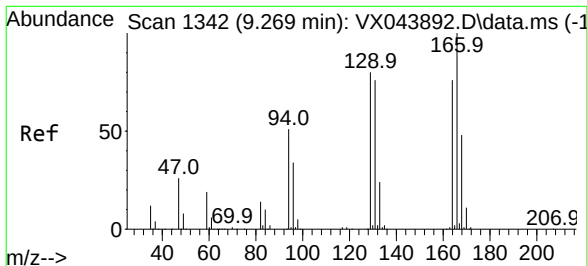
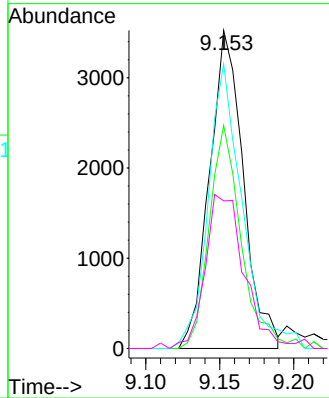
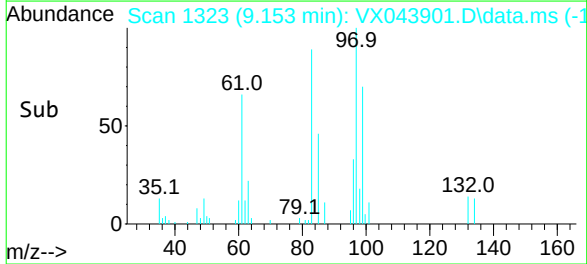
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07



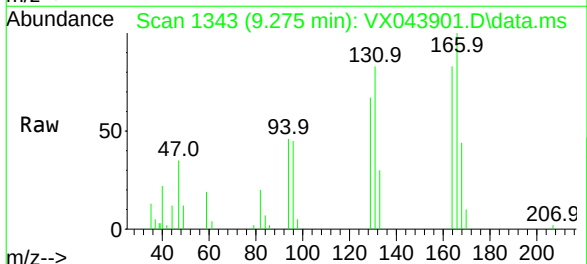
Tgt Ion:	97	Resp:	5613
Ion Ratio	Lower	Upper	
97	100		
99	75.5	43.4	80.6
83	89.4	60.2	111.8
85	46.4	39.3	72.9

Manual Integrations
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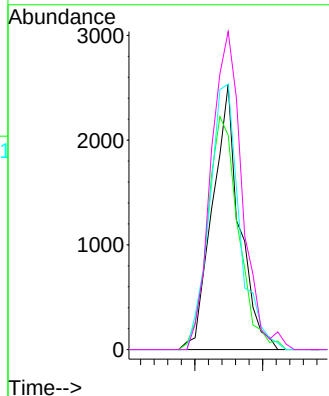
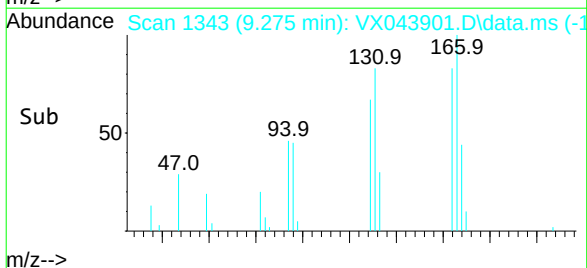
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

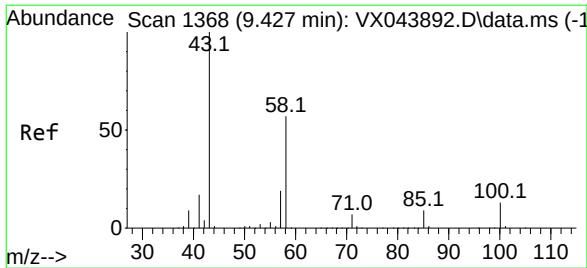


#46
Tetrachloroethene
Concen: 2.518 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35



Tgt Ion:	164	Resp:	3517
Ion Ratio	Lower	Upper	
164	100		
129	80.9	73.6	136.6
131	100.2	70.2	130.4
166	120.0	92.0	170.8





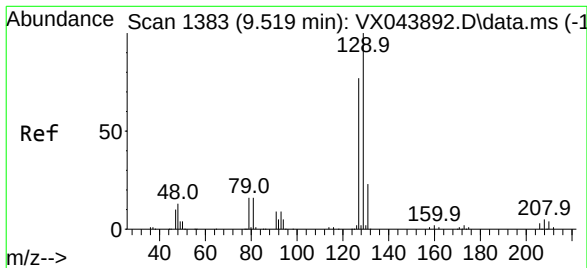
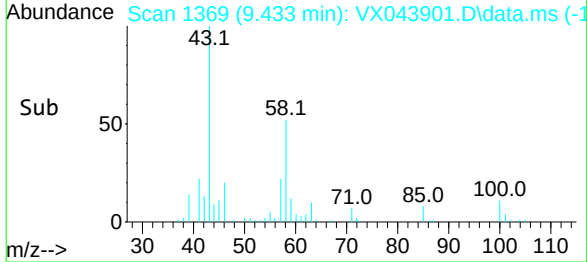
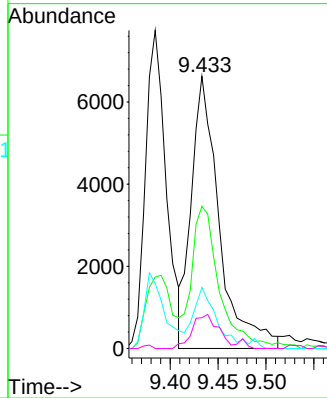
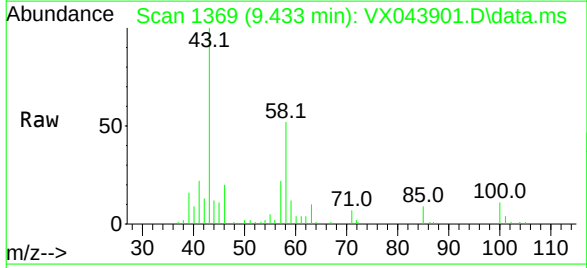
#48
2-Hexanone
Concen: 6.434 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.5	45.4	68.2
57	18.7	15.4	23.0
100	11.6	10.6	15.8

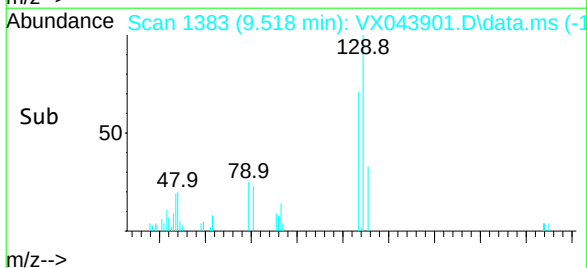
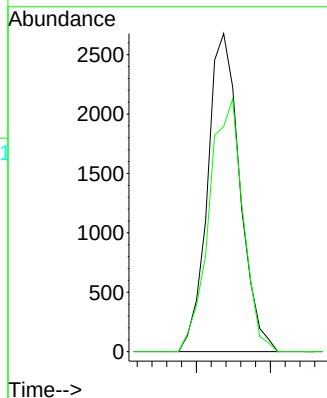
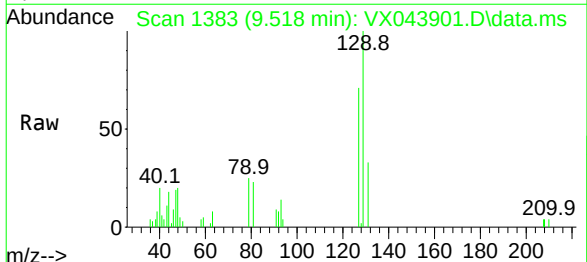
Manual Integrations
APPROVED

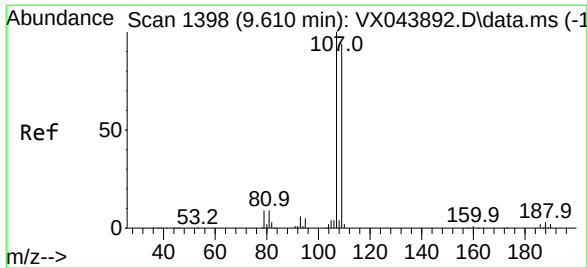
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#49
Dibromochloromethane
Concen: 2.206 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.7	53.5	99.5





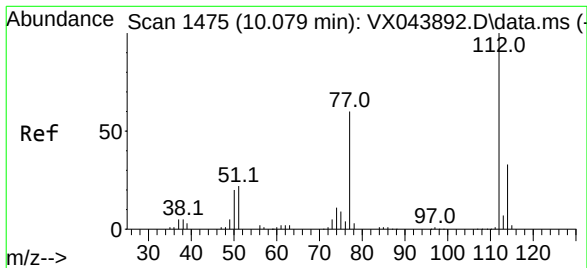
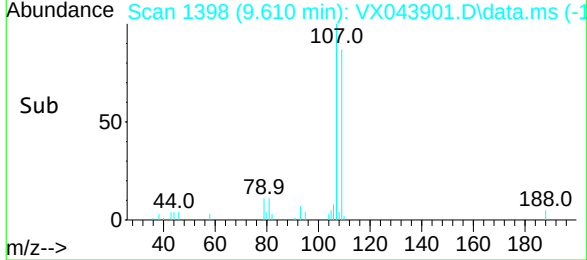
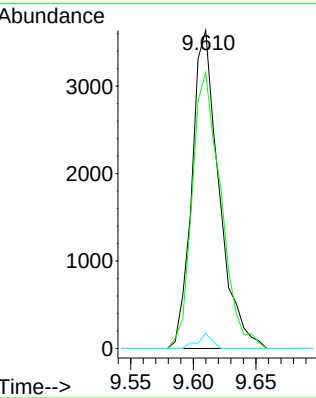
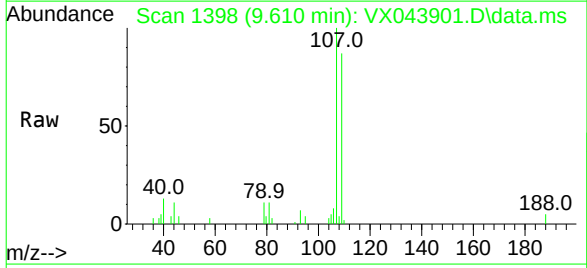
#50
1,2-Dibromoethane
Concen: 2.605 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	107	Resp:	5471
Ion	Ratio	Lower	Upper
107	100		
109	86.7	65.5	121.7
188	4.8	2.6	4.0

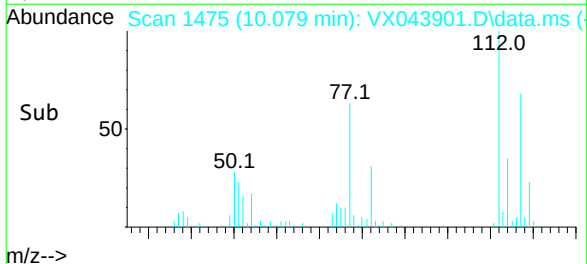
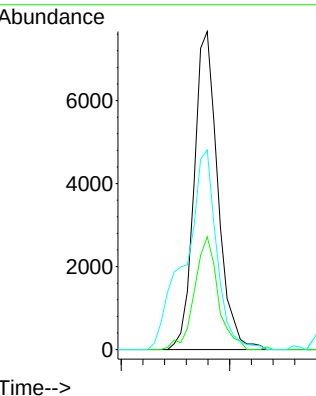
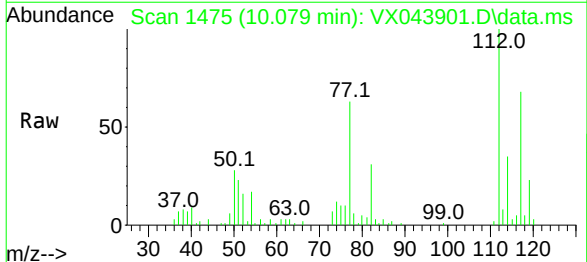
Manual Integrations
APPROVED

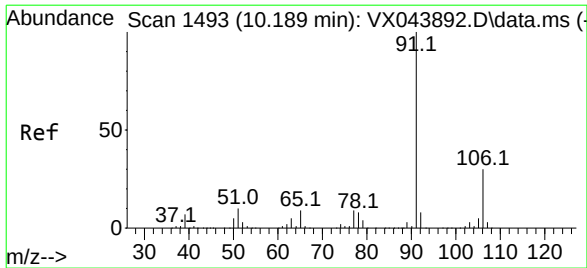
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#51
Chlorobenzene
Concen: 2.387 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:	112	Resp:	11656
Ion	Ratio	Lower	Upper
112	100		
114	35.5	22.9	42.5
77	62.8	48.0	72.0





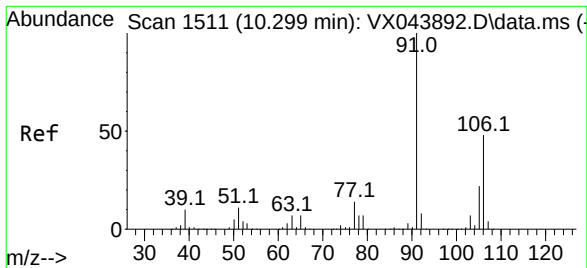
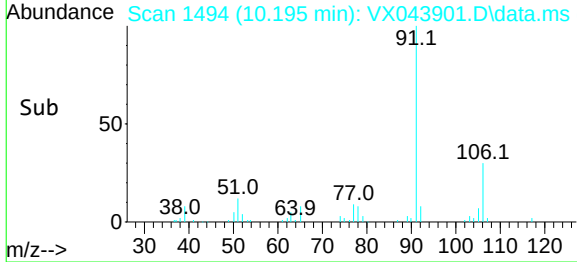
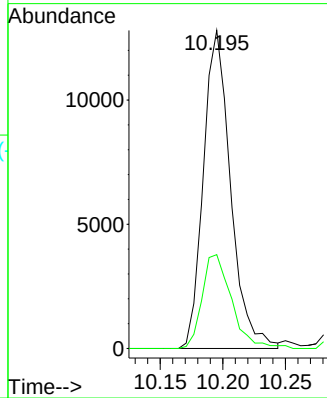
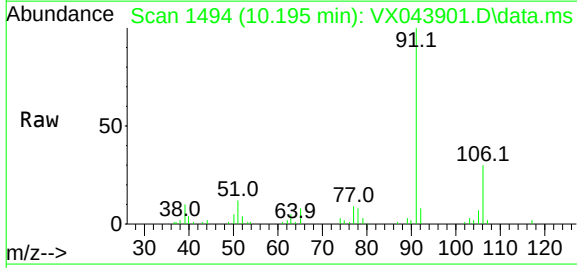
#52
Ethylbenzene
Concen: 2.334 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion: 91 Resp: 19365
Ion Ratio Lower Upper
91 100
106 29.5 21.1 39.1

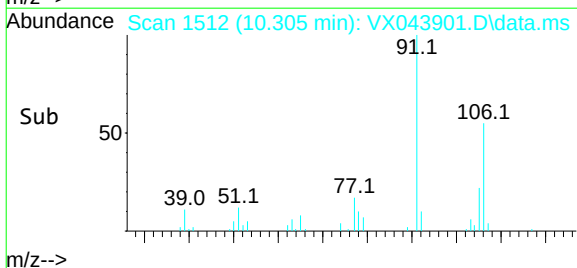
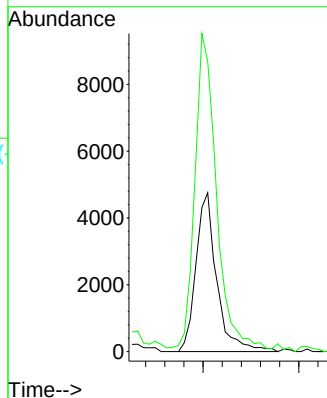
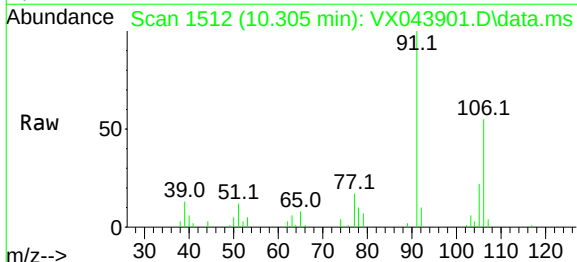
Manual Integrations
APPROVED

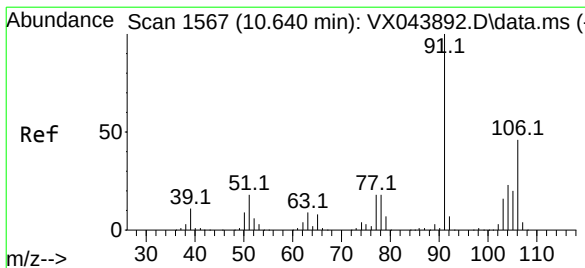
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#53
m,p-Xylene
Concen: 2.325 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:106 Resp: 7163
Ion Ratio Lower Upper
106 100
91 182.7 147.5 273.9





#54

o-Xylene

Concen: 2.334 ug/L

RT: 10.640 min Scan# 15

Delta R.T. -0.000 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

Tgt Ion:106 Resp: 7242

Ion Ratio Lower Upper

106 100

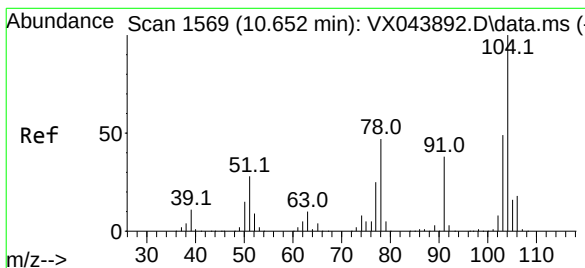
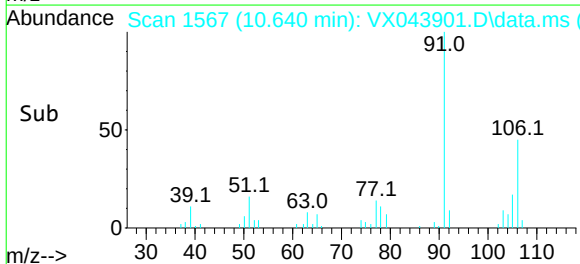
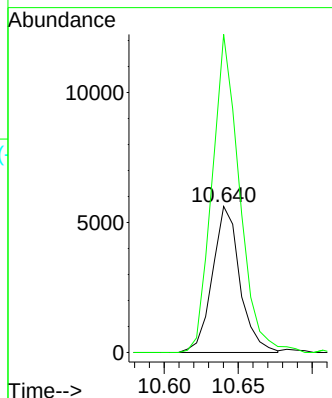
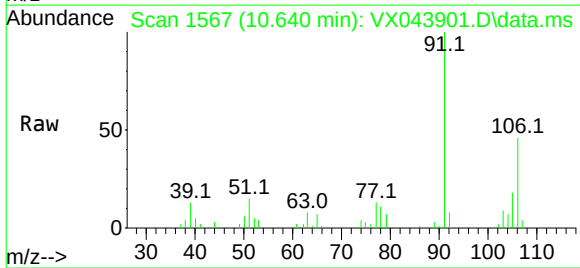
91 217.7 153.7 285.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#55

Styrene

Concen: 2.041 ug/L

RT: 10.658 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043901.D

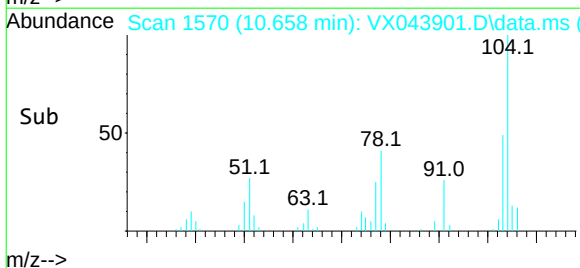
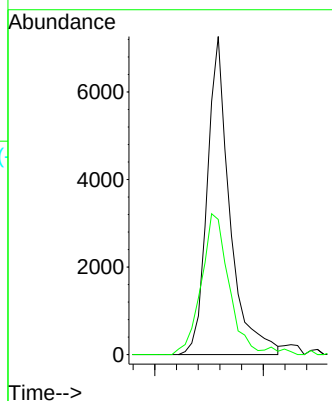
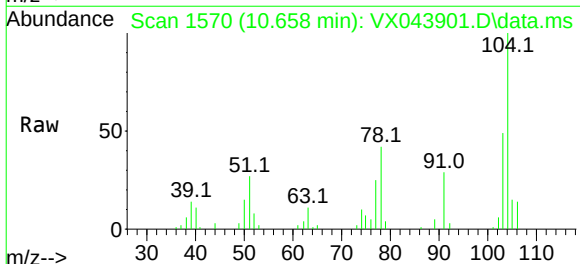
Acq: 19 Nov 2024 15:35

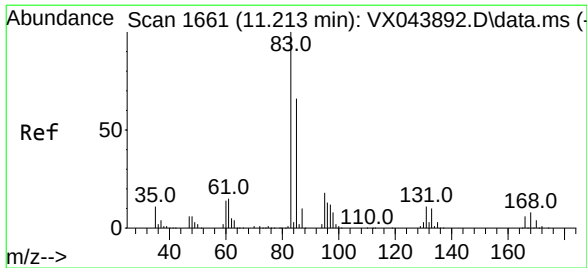
Tgt Ion:104 Resp: 10481

Ion Ratio Lower Upper

104 100

78 42.5 32.8 60.8





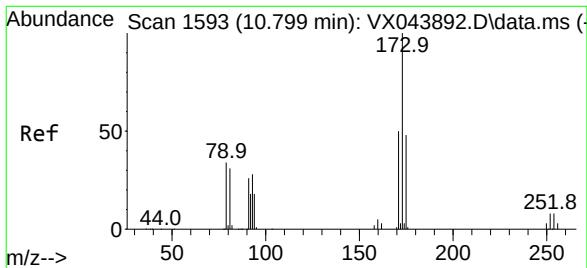
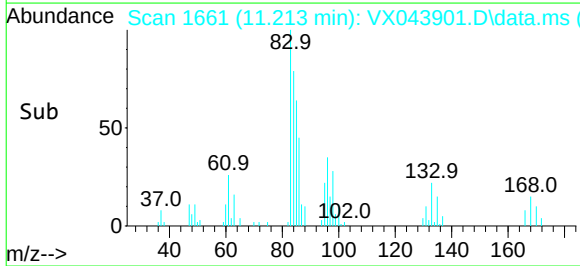
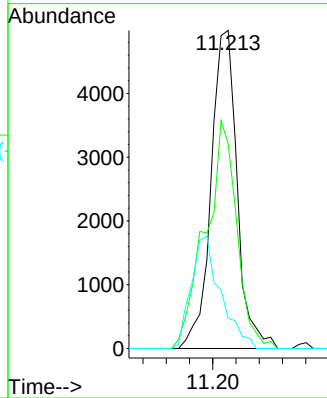
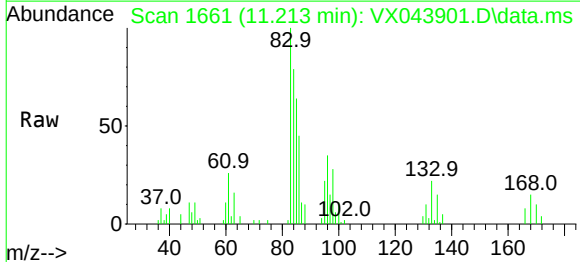
#57
1,1,2,2-Tetrachloroethane
Concen: 2.603 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	83	Resp:	7767
Ion	Ratio	Lower	Upper
83	100		
85	64.4	46.0	85.4
131	9.5	8.8	13.2

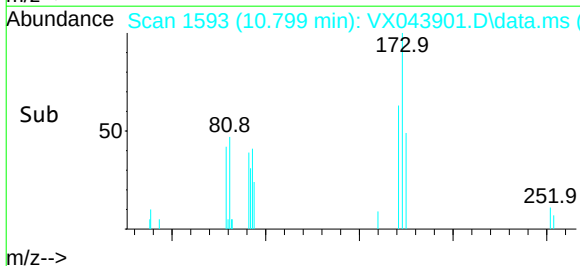
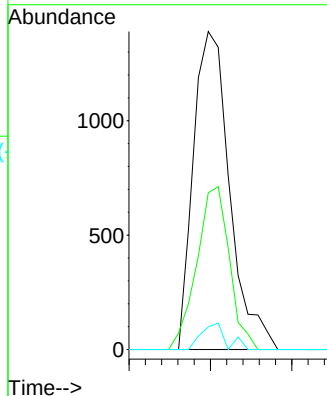
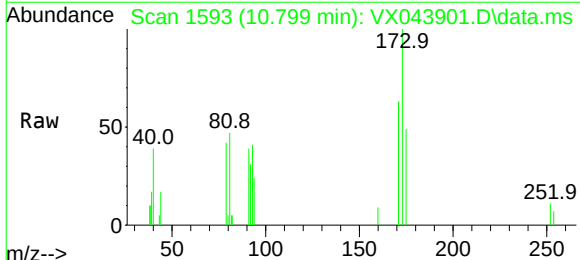
Manual Integrations
APPROVED

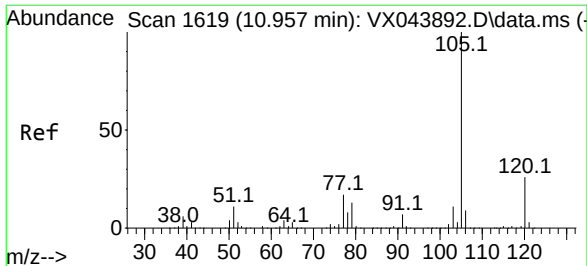
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#59
Bromoform
Concen: 1.915 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:	173	Resp:	2154
Ion	Ratio	Lower	Upper
173	100		
175	46.1	40.0	60.0
254	4.6	6.3	9.5





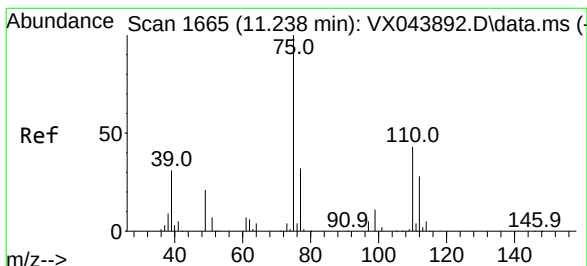
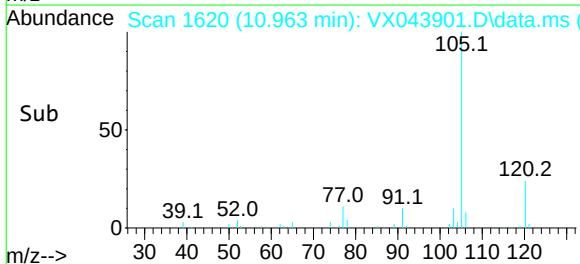
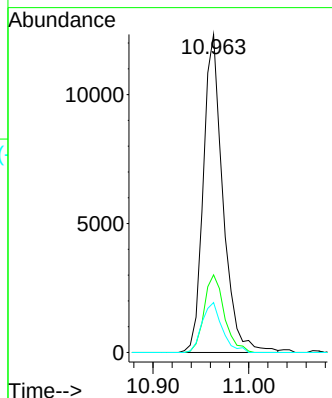
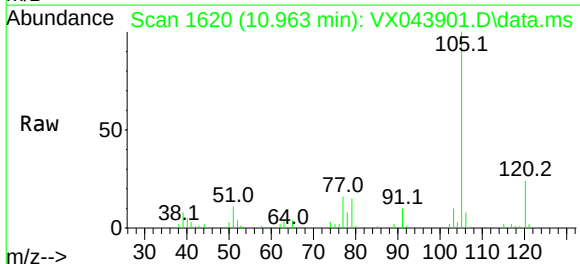
#60
Isopropylbenzene
Concen: 2.220 ug/L
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07

Tgt Ion:	105	Resp:	17561
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.6	31.0
77	15.7	13.4	20.0

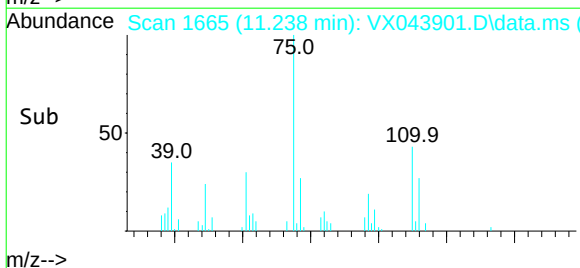
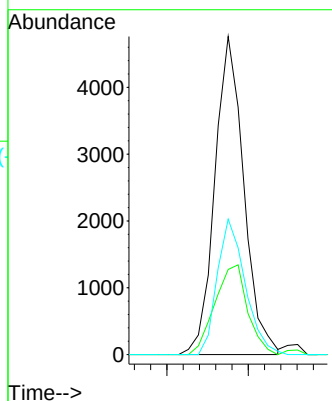
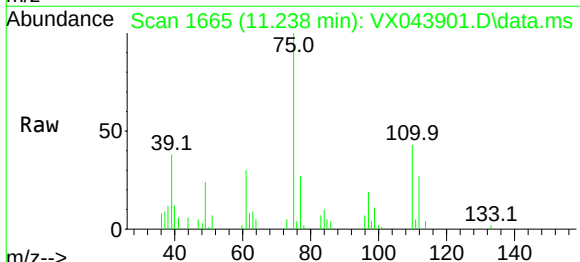
Manual Integrations
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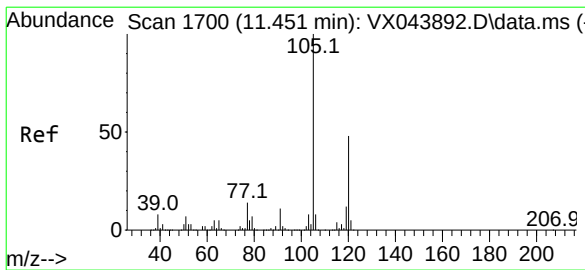
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#61
1,2,3-Trichloropropane
Concen: 2.575 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

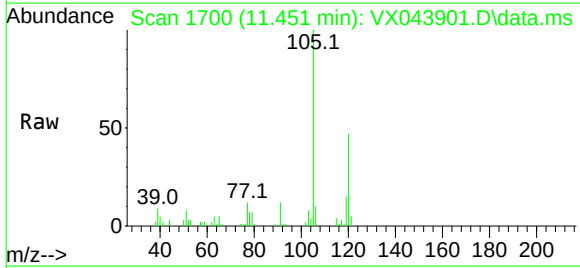
Tgt Ion:	75	Resp:	5889
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.8	38.6
110	41.1	33.3	49.9





#62
1,3,5-Trimethylbenzene
Concen: 2.243 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

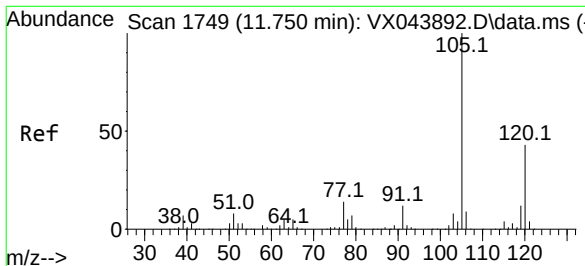
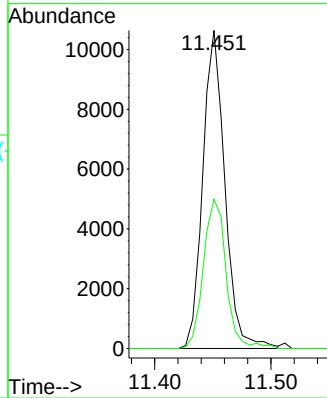
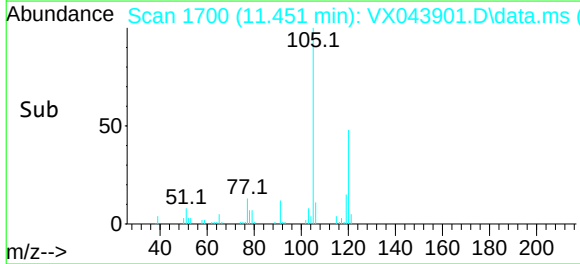
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07



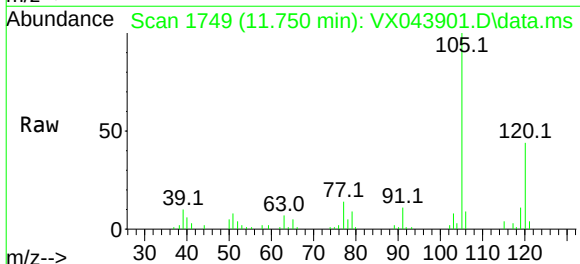
Tgt Ion:105 Resp: 14019
Ion Ratio Lower Upper
105 100
120 48.3 38.2 57.4

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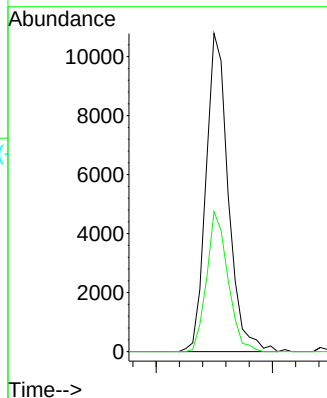
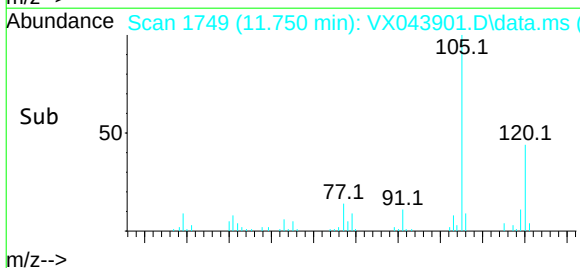
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

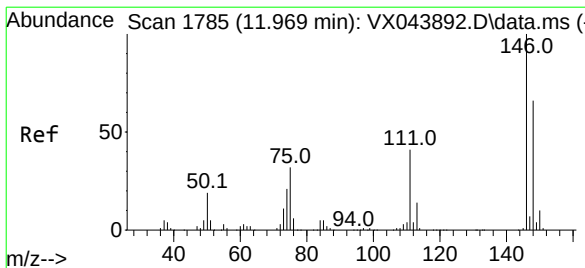


#63
1,2,4-Trimethylbenzene
Concen: 2.307 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35



Tgt Ion:105 Resp: 14378
Ion Ratio Lower Upper
105 100
120 41.9 34.5 51.7





#64

1,3-Dichlorobenzene

Concen: 2.421 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

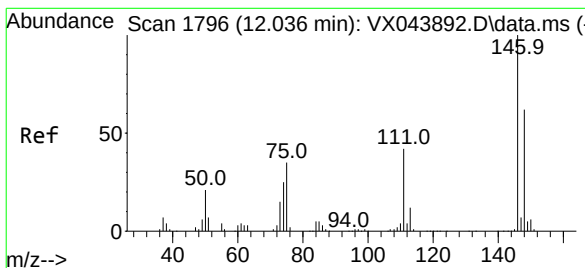
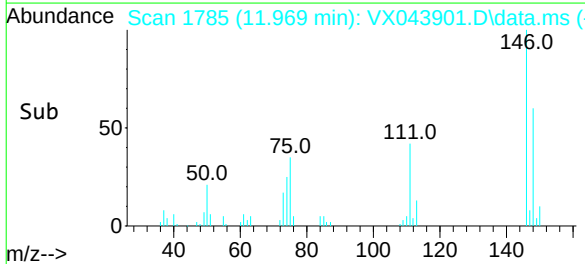
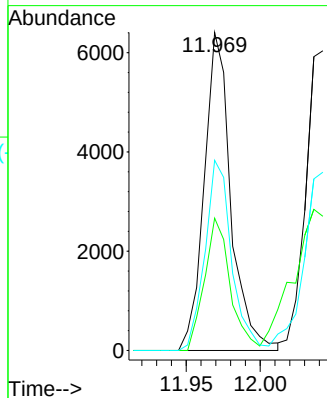
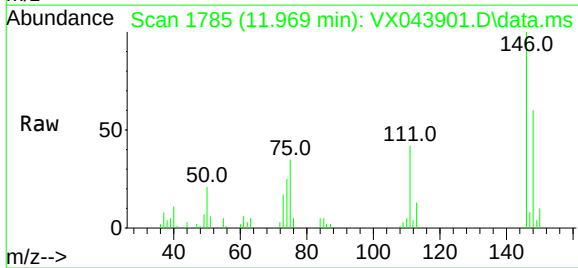
Tgt Ion:	146	Resp:	8035
Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.8	53.4
148	59.8	46.1	85.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#65

1,4-Dichlorobenzene

Concen: 2.524 ug/L

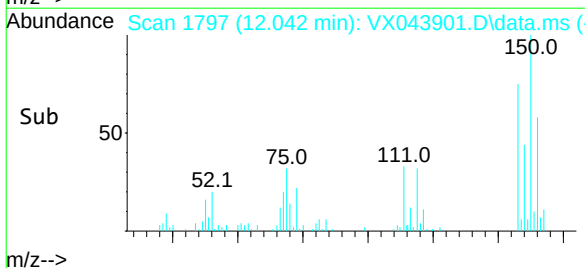
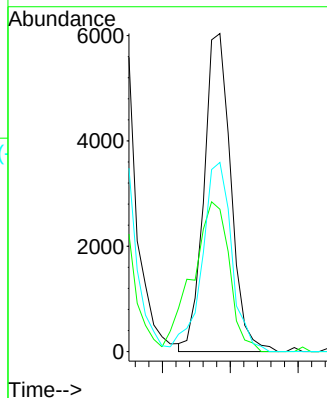
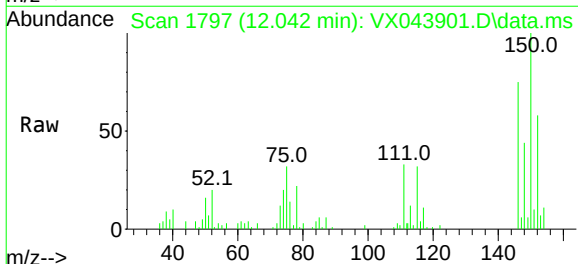
RT: 12.042 min Scan# 1797

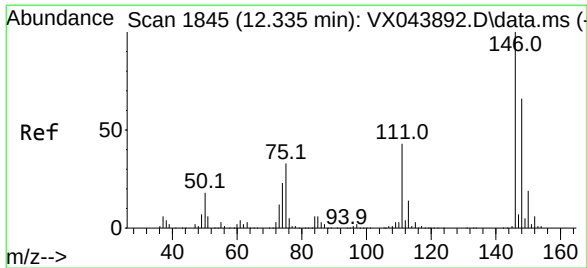
Delta R.T. 0.006 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

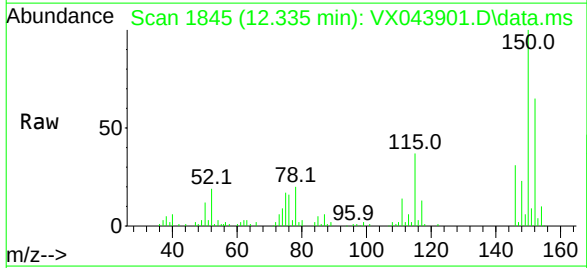
Tgt Ion:	146	Resp:	8318
Ion	Ratio	Lower	Upper
146	100		
111	44.8	29.5	54.7
148	59.5	43.2	80.2





#67
1,2-Dichlorobenzene
Concen: 2.506 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

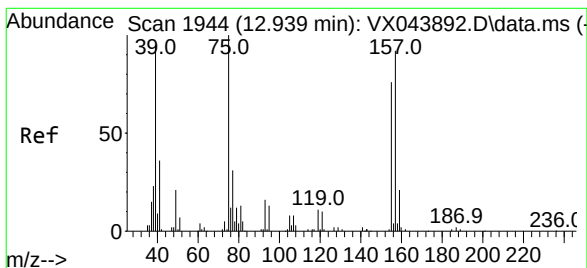
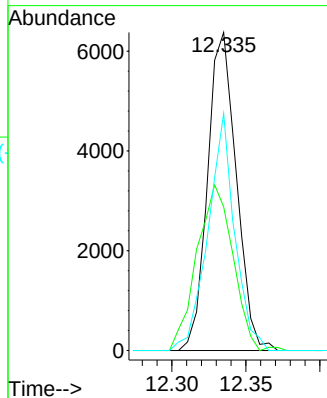
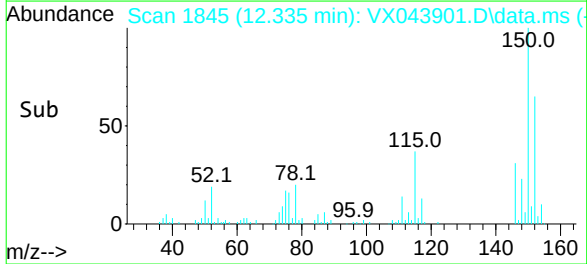
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2024-07



Tgt Ion:	146	Resp:	8612
Ion	Ratio	Lower	Upper
146	100		
111	45.2	34.3	51.5
148	74.5	52.6	79.0

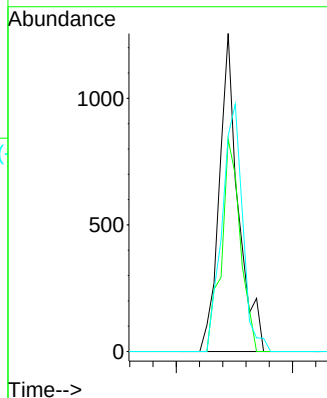
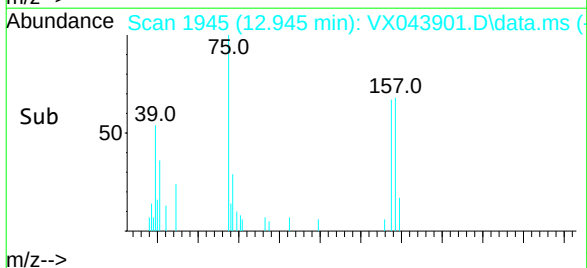
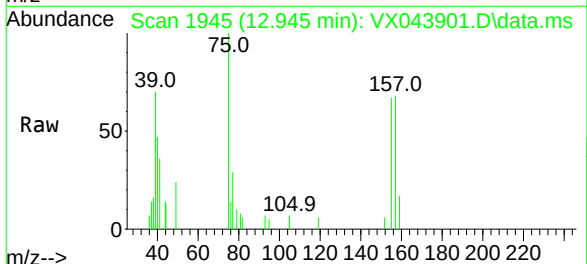
Manual Integrations
APPROVED

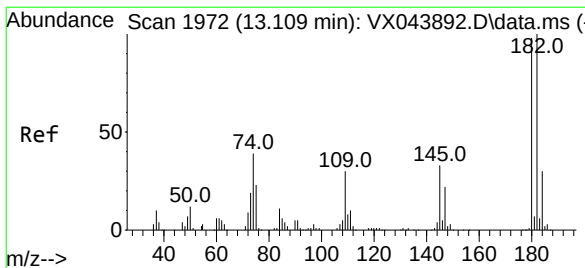
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 2.476 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:	75	Resp:	1417
Ion	Ratio	Lower	Upper
75	100		
155	66.7	60.5	90.7
157	67.9	73.5	110.3





#69

1,3,5-Trichlorobenzene

Concen: 2.465 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2024-07

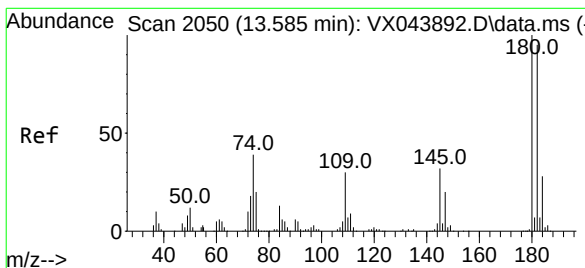
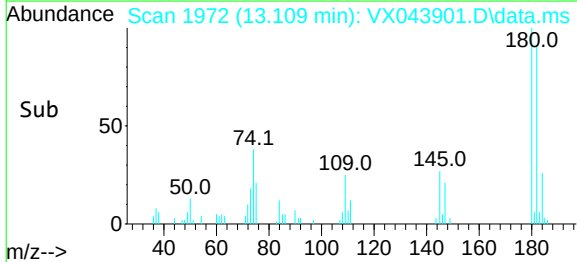
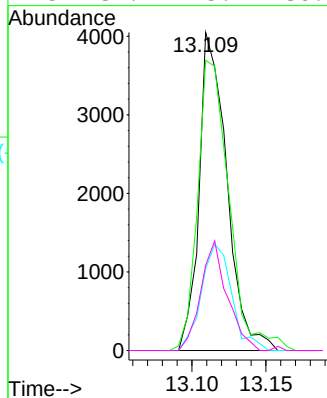
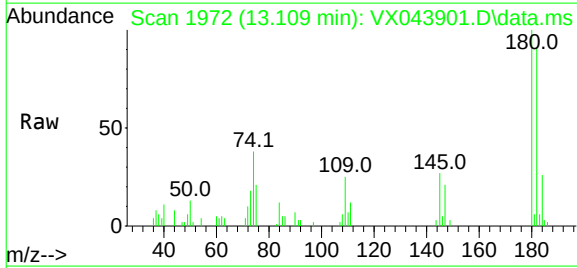
Tgt Ion:	180	Resp:	5279
Ion Ratio	Lower	Upper	
180	100		
182	103.4	76.7	115.1
184	34.8	24.2	36.4
145	32.9	25.9	38.9

Manual Integrations

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Reviewed By :John Carlone 11/20/2024

Supervised By :Mahesh Dadoda 11/20/2024



#70

1,2,4-trichlorobenzene

Concen: 2.392 ug/L

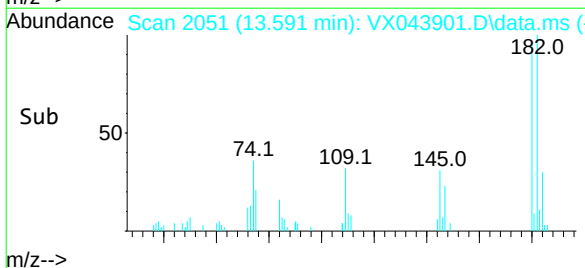
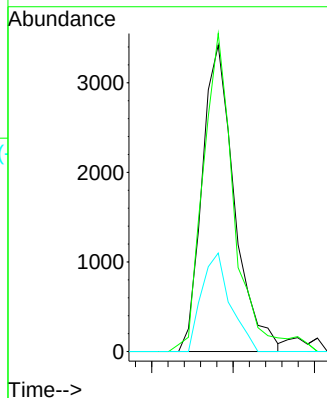
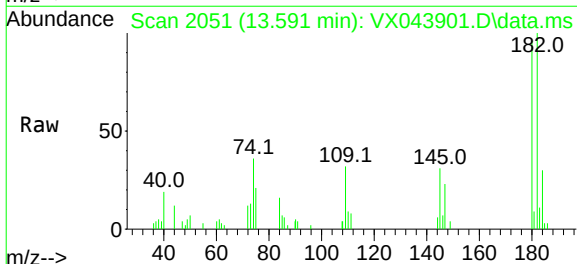
RT: 13.591 min Scan# 2051

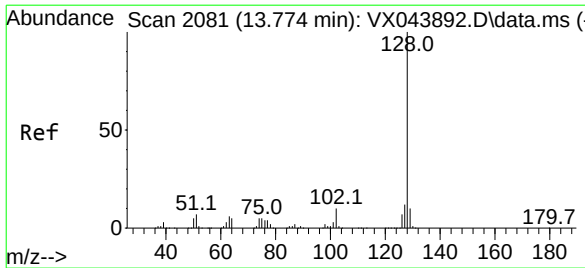
Delta R.T. 0.006 min

Lab File: VX043901.D

Acq: 19 Nov 2024 15:35

Tgt Ion:	180	Resp:	4722
Ion Ratio	Lower	Upper	
180	100		
182	93.8	74.1	111.1
145	28.6	25.3	37.9





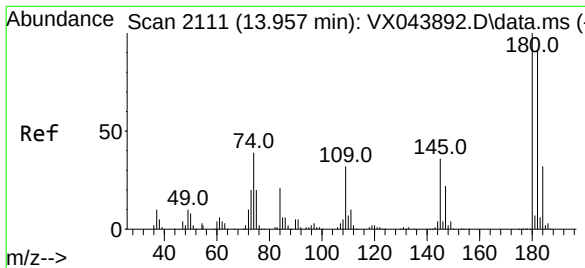
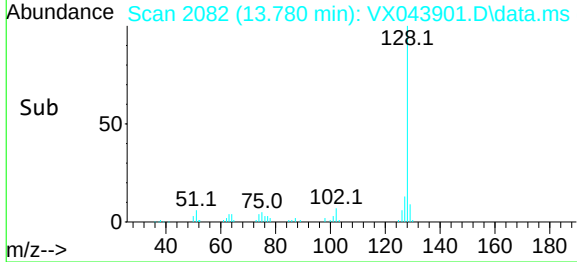
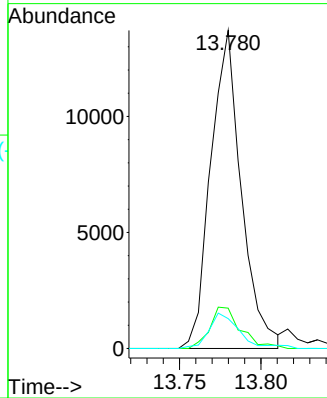
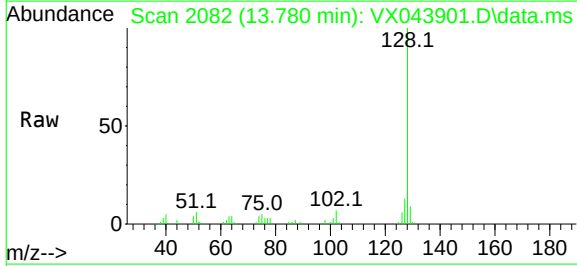
#71
Naphthalene
Concen: 2.439 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2024-07

Tgt Ion:	128	Resp:	17911
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.4	8.6	13.0

Manual Integrations
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Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



#72
1,2,3-Trichlorobenzene
Concen: 2.572 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX043901.D
Acq: 19 Nov 2024 15:35

Tgt Ion:	180	Resp:	5117
Ion	Ratio	Lower	Upper
180	100		
182	100.5	73.8	110.6
145	33.9	27.4	41.2

