

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101023\
 Data File : VW032365.D
 Acq On : 10 Oct 2023 10:38
 Operator : SY/MD
 Sample : 04696-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Oct 11 02:06:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 11 01:56:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	105408	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	116737	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	53644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42223	4.925	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.532	69	33388	4.798	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.060	65	16317	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	3.818	46	89474	41.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.520%
24) Chloroform-d	4.256	84	66569	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.947	65	32223	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	4.963	84	129952	3.783	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	5.992	67	40762	3.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.600%
41) Toluene-d8	7.246	98	123730	3.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.561	79	14555	3.609	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.030	63	76174	40.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.280%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	32016	4.022	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	45173	4.538	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	3435	0.292	ug/L	99
3) Chloromethane	1.217	50	3620	0.306	ug/L	93
5) Vinyl chloride	1.281	62	3247	0.287	ug/L #	55
6) Bromomethane	1.487	94	2039	0.299	ug/L	84
8) Chloroethane	1.548	64	2060	0.303	ug/L	90
9) Trichlorofluoromethane	1.716	101	3697	0.273	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	2839	0.346	ug/L	91
12) 1,1-Dichloroethene	2.069	96	2695	0.349	ug/L #	1
13) Acetone	2.143	43	5402m	3.232	ug/L	
14) Carbon disulfide	2.243	76	6270	0.232	ug/L	99
15) Methyl Acetate	2.400	43	1101	0.293	ug/L #	53
16) Methylene chloride	2.452	84	6284	0.623	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	4851	0.230	ug/L #	88
18) trans-1,2-Dichloroethene	2.696	96	2195	0.248	ug/L	94
19) 1,1-Dichloroethane	3.121	63	4568	0.274	ug/L	93
21) 2-Butanone	3.934	43	7983m	3.054	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	2511	0.263	ug/L	85
23) Bromochloromethane	4.159	128	1165	0.290	ug/L	72
27) 1,2-Dichloroethane	5.059	62	2805	0.291	ug/L #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.513	97	3483	0.219	ug/L #	67
30) Cyclohexane	4.580	56	3396	0.195	ug/L	95
31) Carbon tetrachloride	4.738	117	2991	0.223	ug/L	98
33) Benzene	5.018	78	9288	0.226	ug/L	100
34) Trichloroethene	5.841	95	2839	0.253	ug/L	93
35) Methylcyclohexane	6.050	83	5114m	0.295	ug/L	
37) 1,2-Dichloropropane	6.104	63	2563	0.233	ug/L #	87
38) Bromodichloromethane	6.442	83	3090	0.237	ug/L #	92
39) cis-1,3-Dichloropropene	6.976	75	3735m	0.239	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	13642	1.961	ug/L #	82
42) Toluene	7.326	91	9251	0.211	ug/L	93
44) trans-1,3-Dichloropropene	7.596	75	2578	0.201	ug/L	95
45) 1,1,2-Trichloroethane	7.780	97	1880	0.242	ug/L	99
47) Tetrachloroethene	7.915	164	2082	0.245	ug/L	85
48) 2-Hexanone	8.091	43	14437m	2.942	ug/L	
49) Dibromochloromethane	8.181	129	1758	0.218	ug/L	92
50) 1,2-Dibromoethane	8.291	107	1608	0.219	ug/L #	94
51) Chlorobenzene	8.821	112	6333	0.225	ug/L	99
52) Ethylbenzene	8.956	91	9868	0.202	ug/L	99
53) m,p-Xylene	9.082	106	3430	0.190	ug/L	93
54) o-Xylene	9.487	106	3433	0.197	ug/L	92
55) Styrene	9.509	104	5336	0.181	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	2285	0.268	ug/L #	92
59) Bromoform	9.677	173	932	0.239	ug/L #	93
60) Isopropylbenzene	9.873	105	9465	0.227	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	1491	0.261	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.480	105	6693	0.197	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	6770	0.200	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	4891	0.246	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	5256	0.263	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	4723	0.260	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	271	0.232	ug/L #	62
69) 1,3,5-Trichlorobenzene	12.590	180	3423	0.235	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	2786	0.215	ug/L	95
71) Naphthalene	13.448	128	4517	0.206	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.686	180	2558	0.229	ug/L	96

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

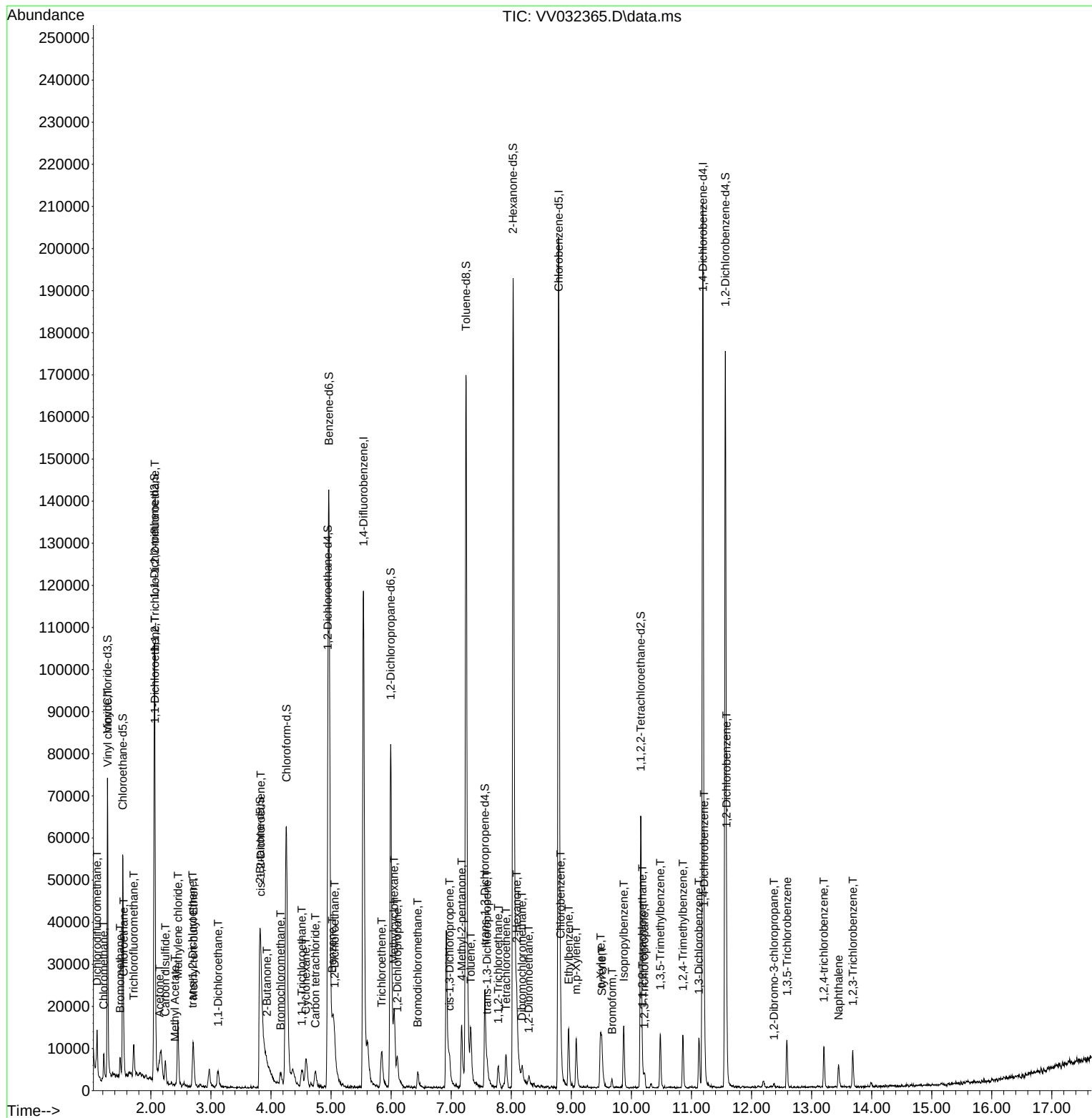
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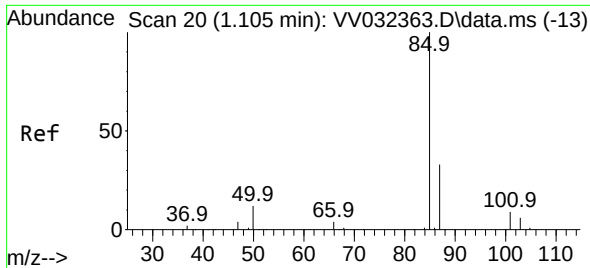
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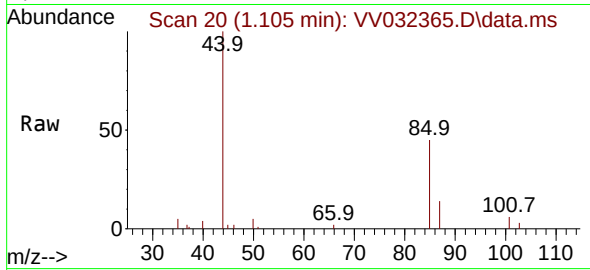
Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/12/2023





#2
Dichlorodifluoromethane
Concen: 0.292 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

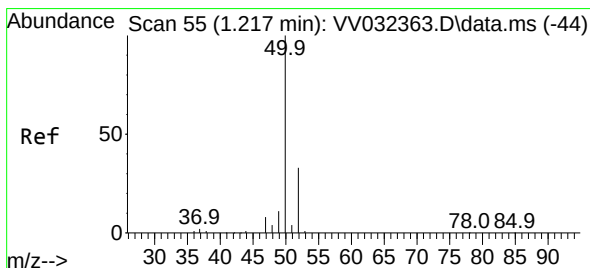
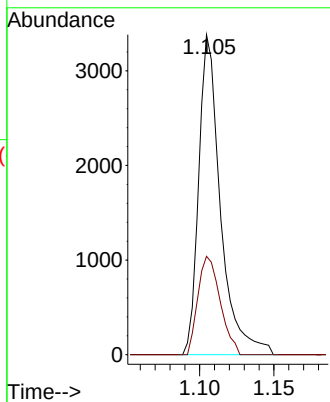
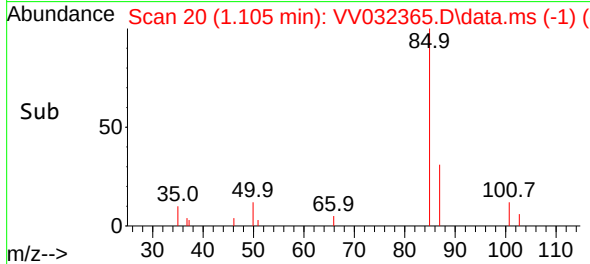
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



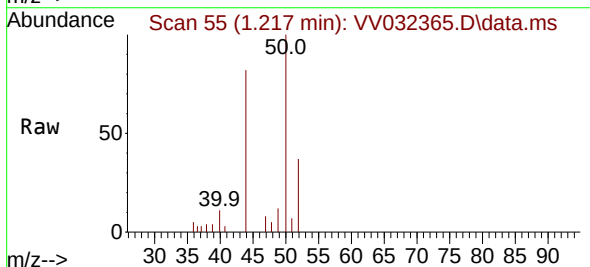
Tgt Ion: 85 Resp: 343
Ion Ratio Lower Upper
85 100
87 31.5 25.5 38.3

Manual Integrations
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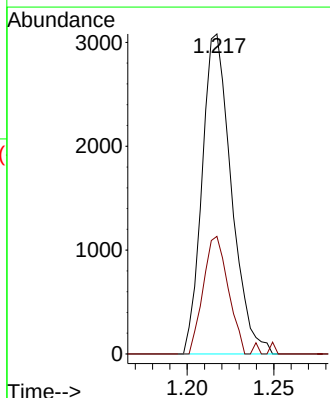
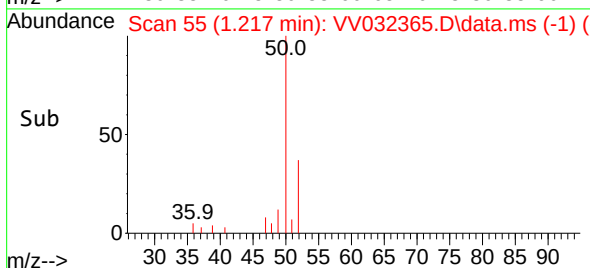
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023

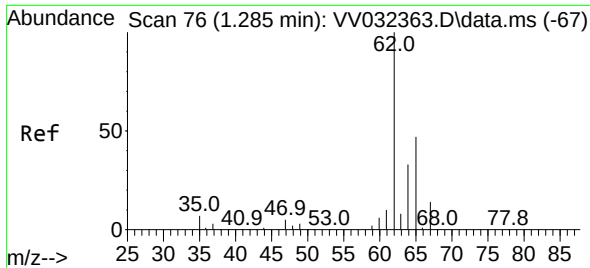


#3
Chloromethane
Concen: 0.306 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38



Tgt Ion: 50 Resp: 3620
Ion Ratio Lower Upper
50 100
52 36.8 23.0 42.6





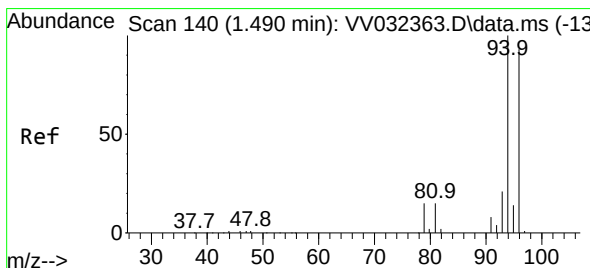
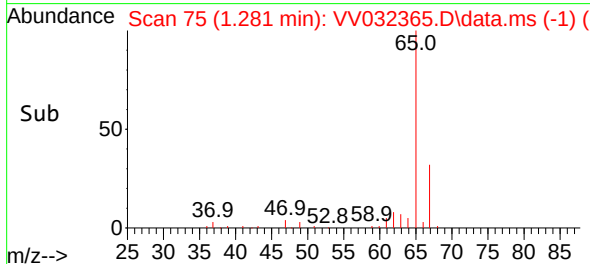
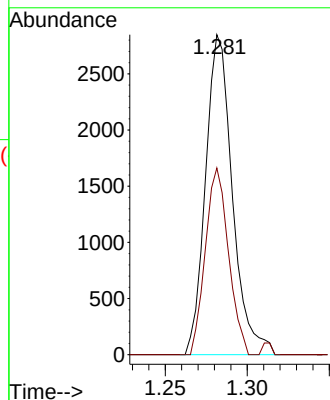
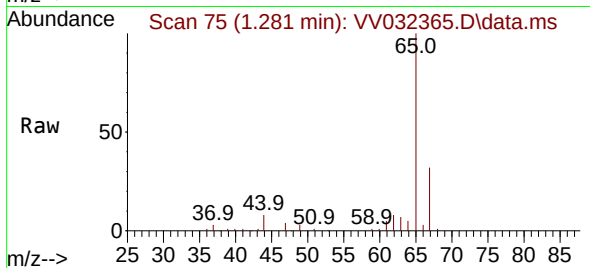
#5
 Vinyl chloride
 Concen: 0.287 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV032365.D
 Acq: 10 Oct 2023 10:38

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 MSVOA_V
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Tgt Ion: 62 Resp: 324
 Ion Ratio Lower Upper
 62 100
 64 58.4 23.1 42.9

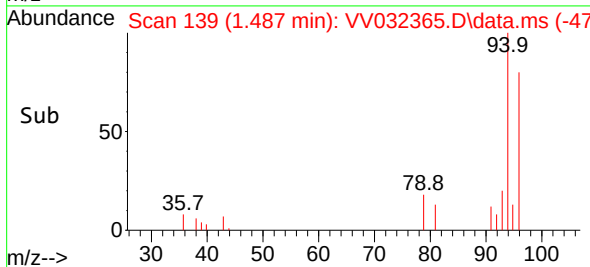
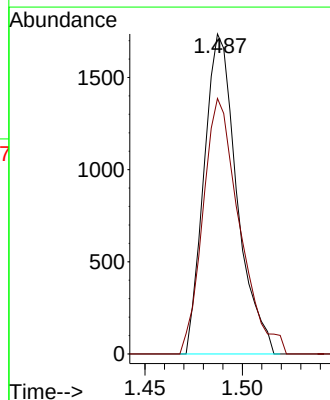
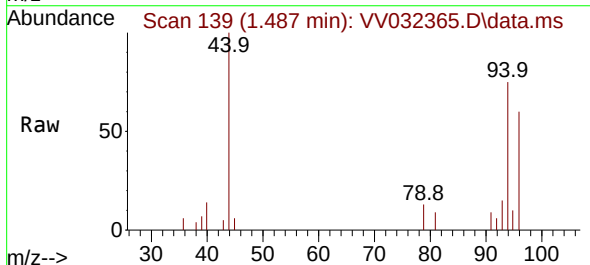
Manual Integrations
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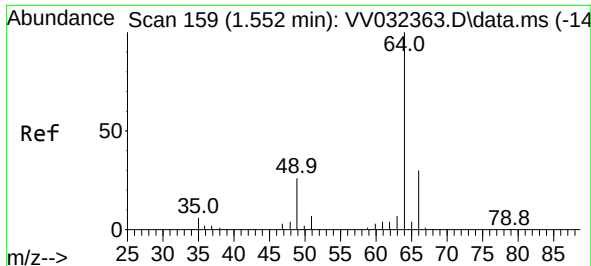
Reviewed By :John Carlone 10/11/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#6
 Bromomethane
 Concen: 0.299 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV032365.D
 Acq: 10 Oct 2023 10:38

Tgt Ion: 94 Resp: 2039
 Ion Ratio Lower Upper
 94 100
 96 79.8 66.8 124.2





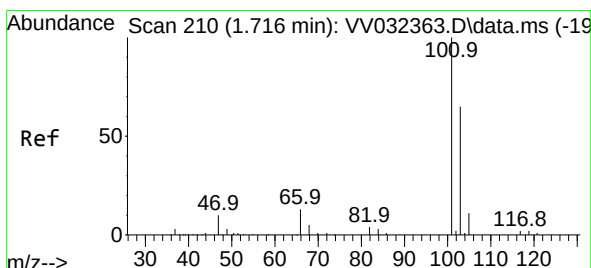
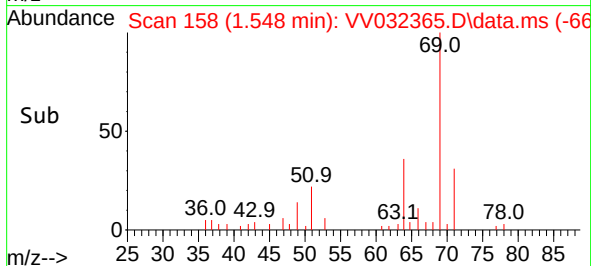
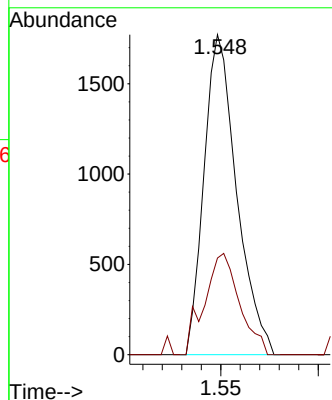
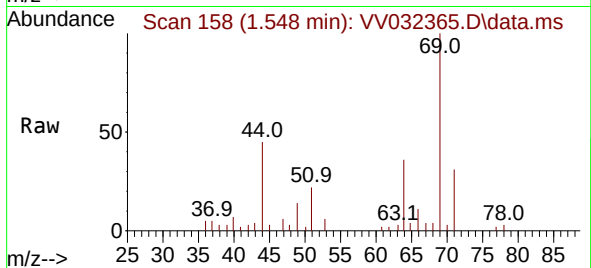
#8
Chloroethane
Concen: 0.303 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

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ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 64 Resp: 2060
Ion Ratio Lower Upper
64 100
66 26.9 22.6 42.0

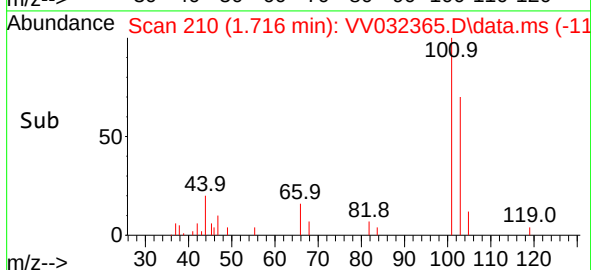
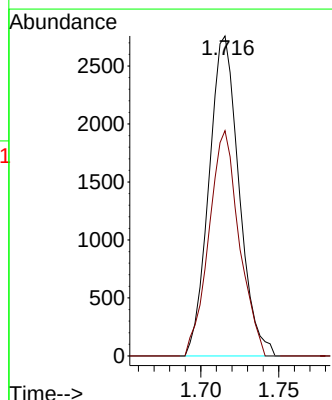
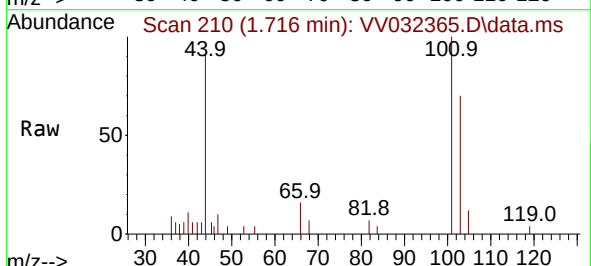
Manual Integrations
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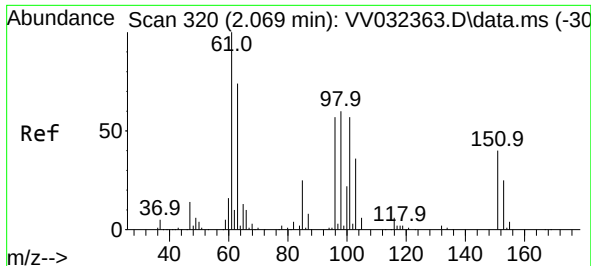
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#9
Trichlorofluoromethane
Concen: 0.273 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion:101 Resp: 3697
Ion Ratio Lower Upper
101 100
103 71.0 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.346 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

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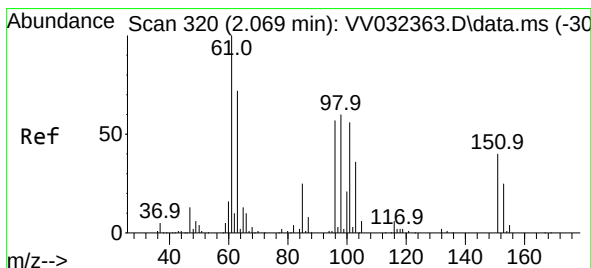
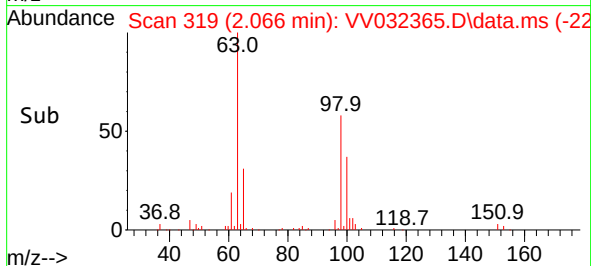
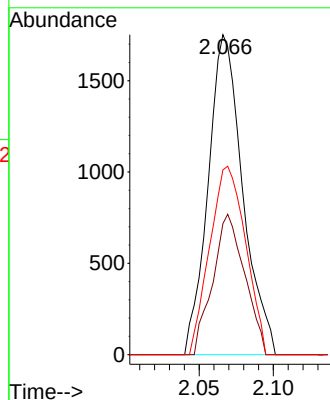
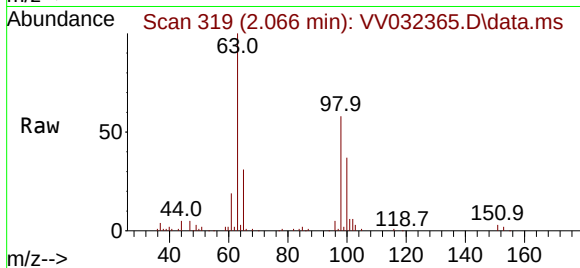
Tgt Ion:	101	Resp:	2839
Ion Ratio	Lower	Upper	
101	100		
85	40.5	35.0	52.6
151	61.1	56.6	84.8

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 0.349 ug/L

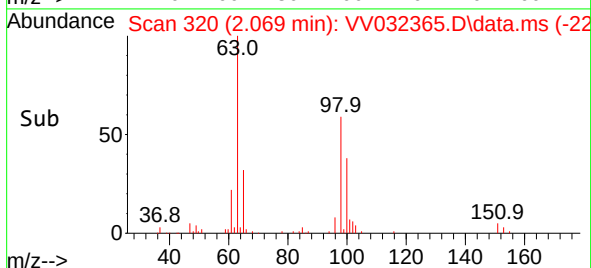
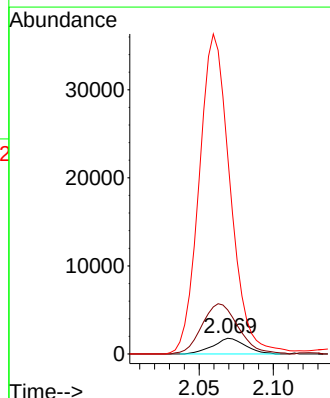
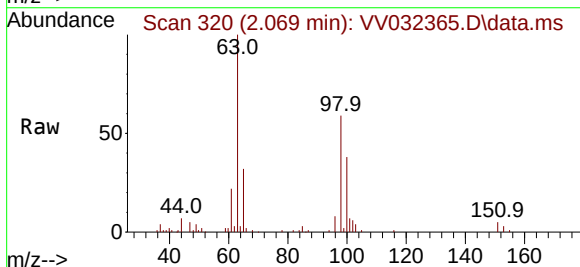
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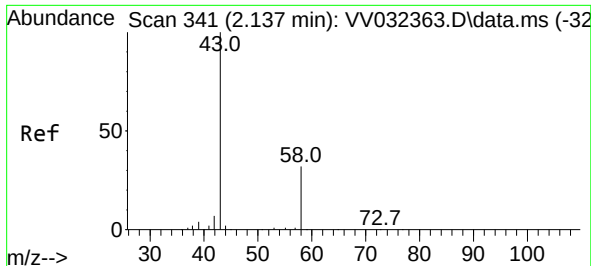
Delta R.T. -0.000 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Tgt Ion:	96	Resp:	2695
Ion Ratio	Lower	Upper	
96	100		
61	281.2	127.3	236.3#
63	1266.9	98.3	182.7#





#13

Acetone

Concen: 3.232 ug/L m

RT: 2.143 min Scan# 341

Delta R.T. 0.006 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

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ClientSampleId :

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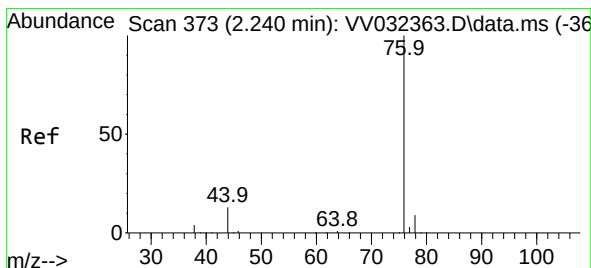
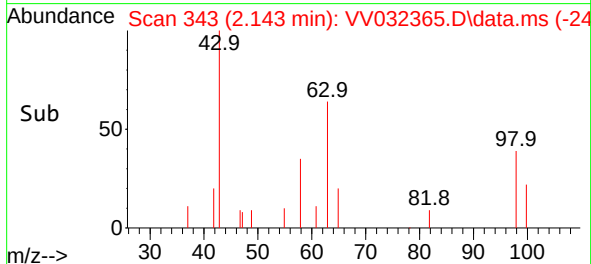
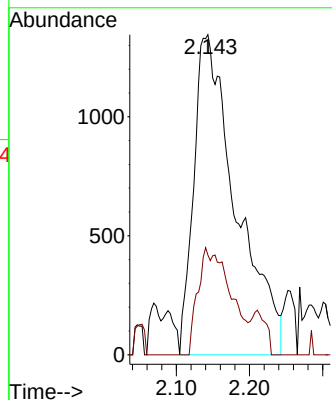
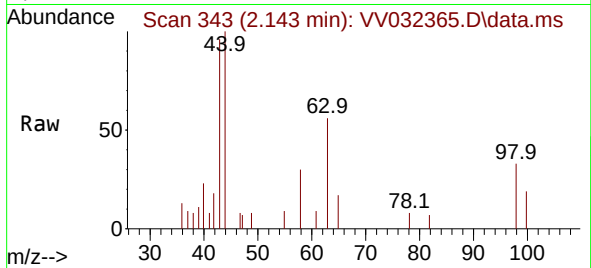
Tgt Ion: 43 Resp: 540
 Ion Ratio Lower Upper
 43 100
 58 10.1 0.0 66.0

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#14

Carbon disulfide

Concen: 0.232 ug/L

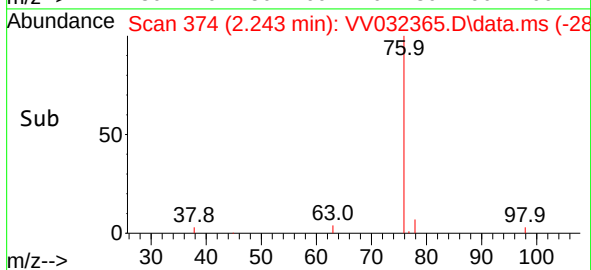
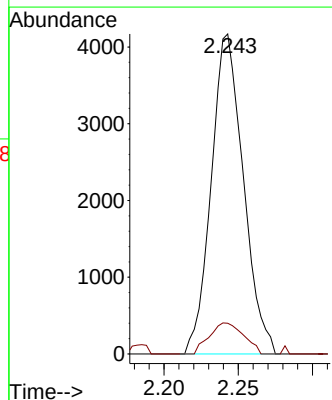
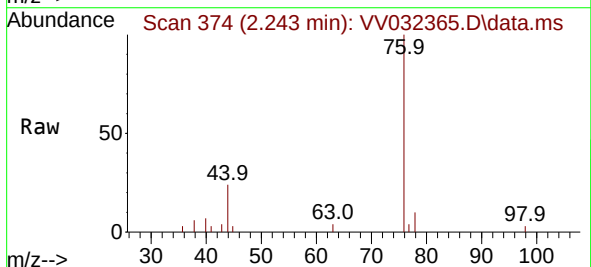
RT: 2.243 min Scan# 374

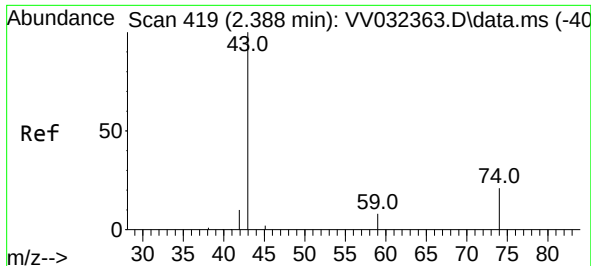
Delta R.T. 0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Tgt Ion: 76 Resp: 6270
 Ion Ratio Lower Upper
 76 100
 78 9.6 7.4 11.2





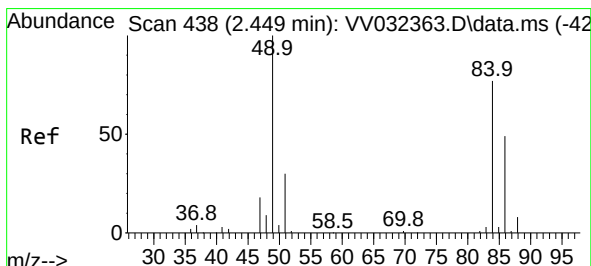
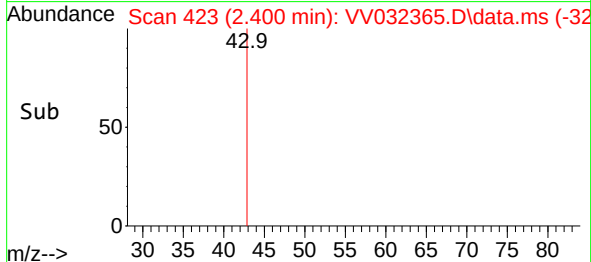
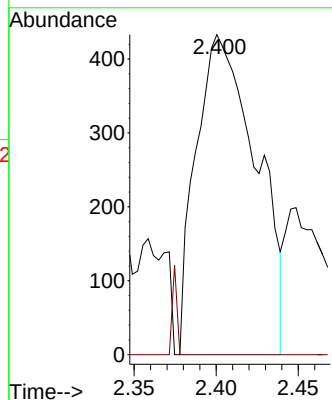
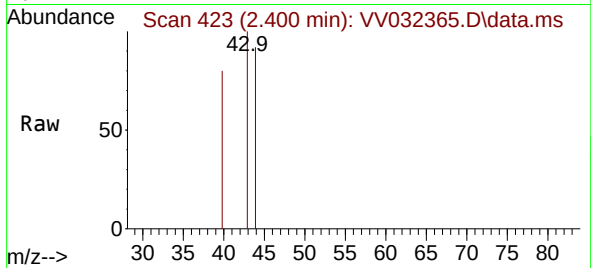
#15
Methyl Acetate
Concen: 0.293 ug/L
RT: 2.400 min Scan# 419
Delta R.T. 0.013 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0

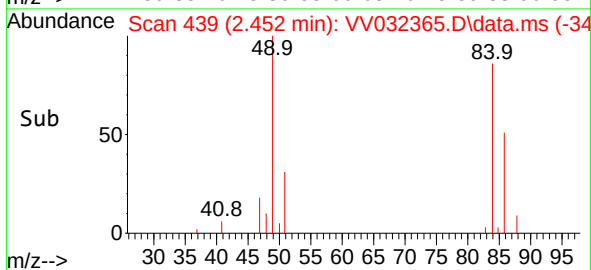
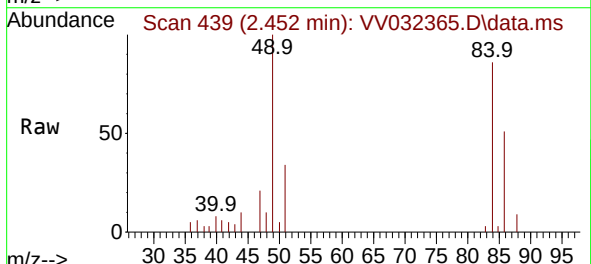
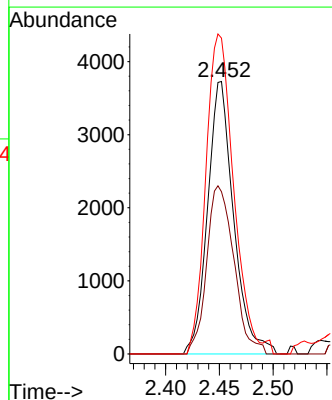
Manual Integrations
APPROVED

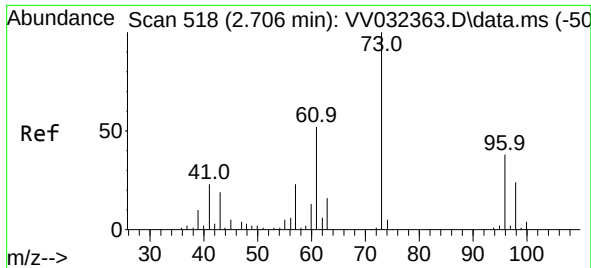
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#16
Methylene chloride
Concen: 0.623 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 84 Resp: 6284
Ion Ratio Lower Upper
84 100
86 59.6 43.2 80.2
49 115.9 86.3 160.3





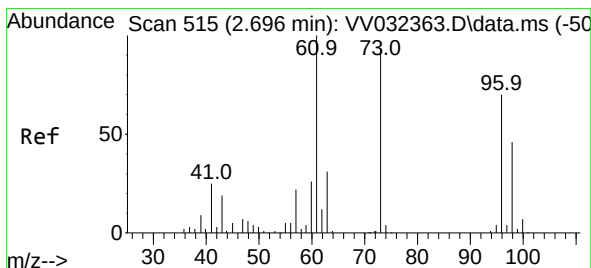
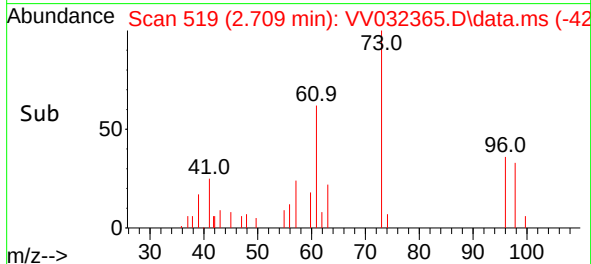
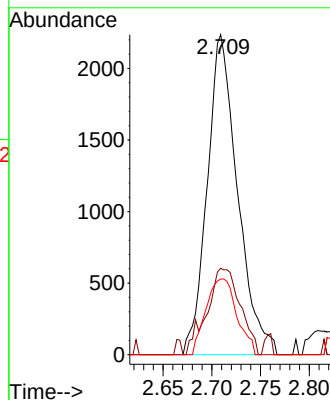
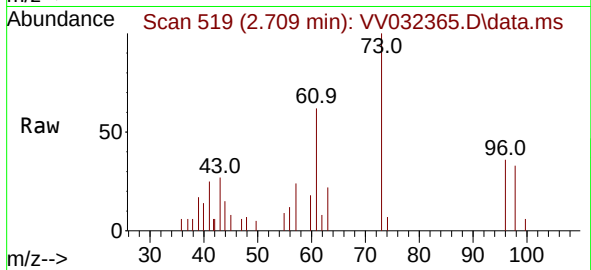
#17
Methyl tert-butyl Ether
Concen: 0.230 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 73 Resp: 485
Ion Ratio Lower Upper
73 100
43 29.6 15.1 22.7
57 24.0 18.3 27.5

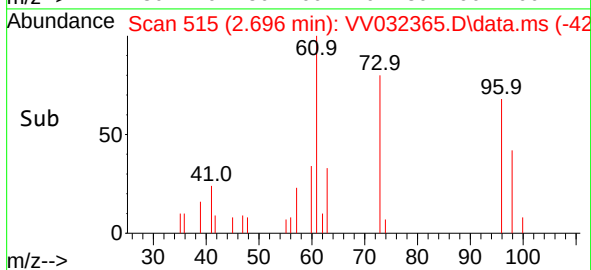
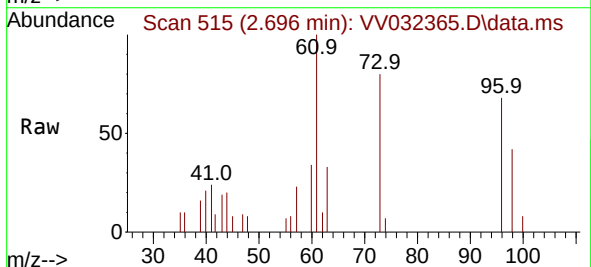
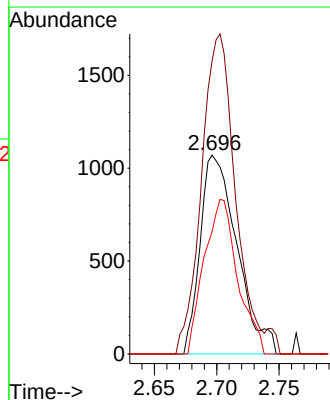
Manual Integrations
APPROVED

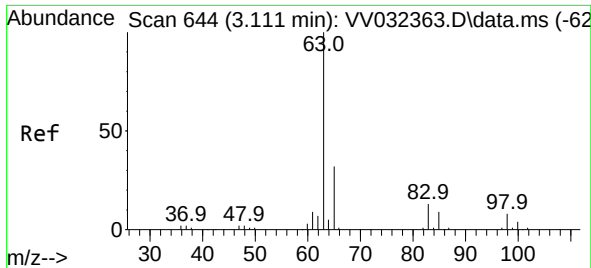
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#18
trans-1,2-Dichloroethene
Concen: 0.248 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 96 Resp: 2195
Ion Ratio Lower Upper
96 100
61 147.3 96.9 180.1
98 61.5 45.3 84.1





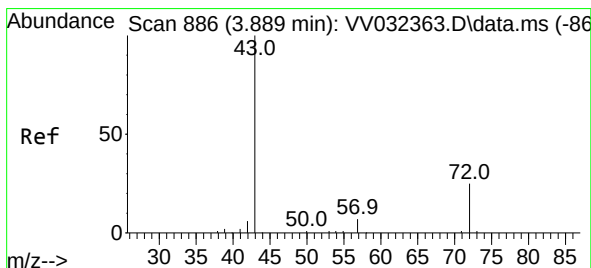
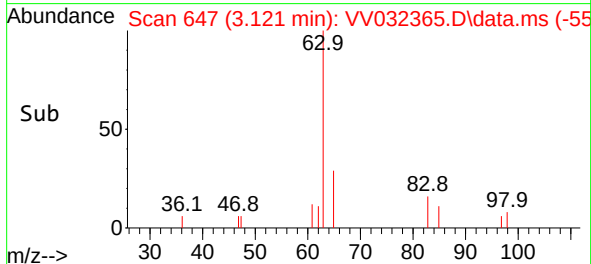
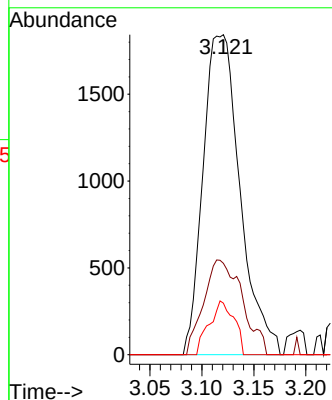
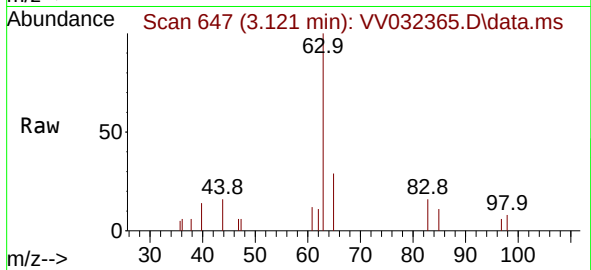
#19
1,1-Dichloroethane
Concen: 0.274 ug/L
RT: 3.121 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08

Tgt Ion: 63 Resp: 4568
Ion Ratio Lower Upper
63 100
65 28.5 22.3 41.5
83 16.1 9.0 16.6

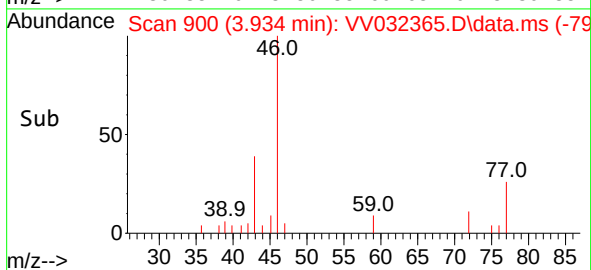
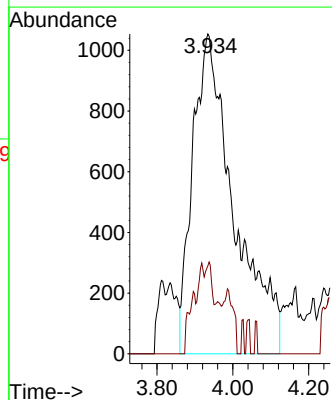
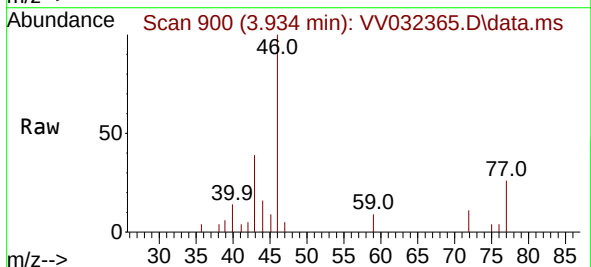
Manual Integrations
APPROVED

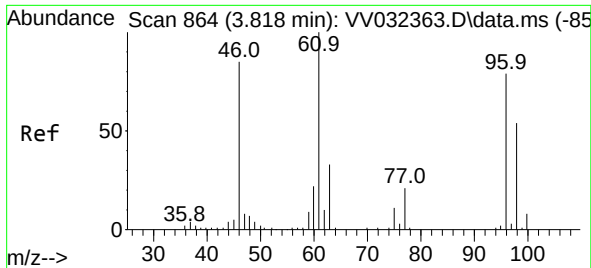
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#21
2-Butanone
Concen: 3.054 ug/L m
RT: 3.934 min Scan# 900
Delta R.T. 0.045 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 43 Resp: 7983
Ion Ratio Lower Upper
43 100
72 3.4 11.6 34.8#





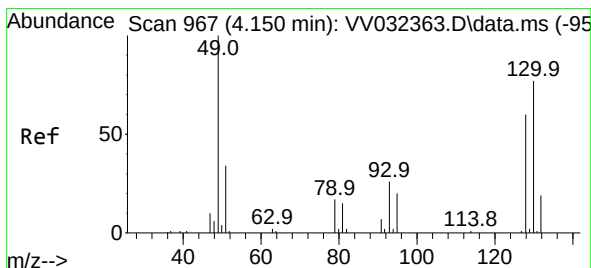
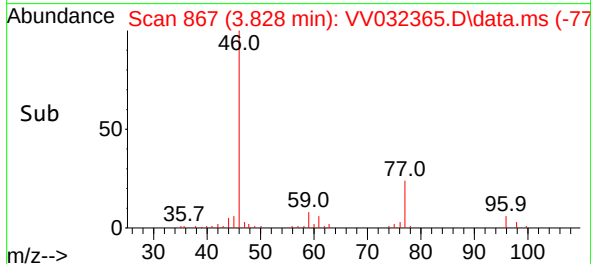
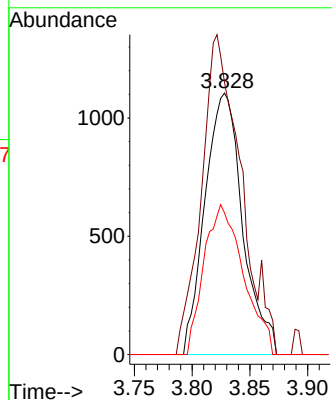
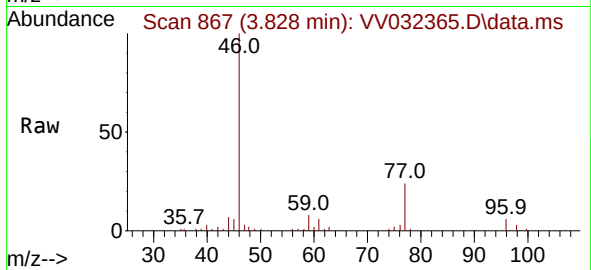
#22
cis-1,2-Dichloroethene
Concen: 0.263 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 96 Resp: 251
Ion Ratio Lower Upper
96 100
61 104.1 85.8 159.4
98 54.2 44.0 81.6

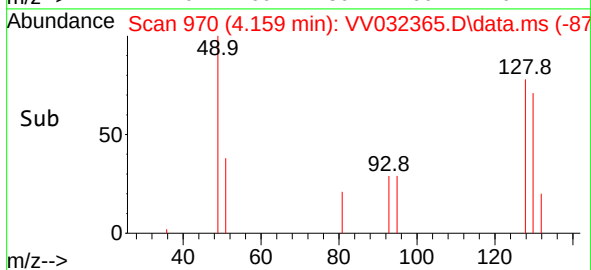
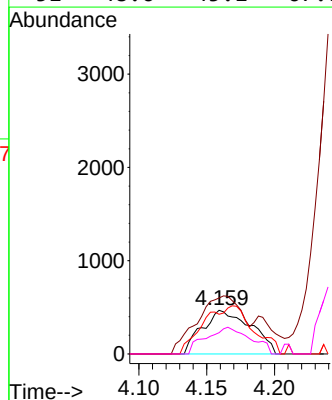
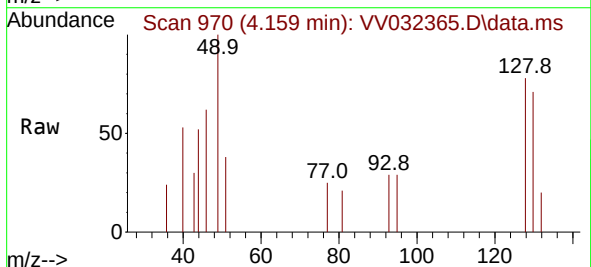
Manual Integrations
APPROVED

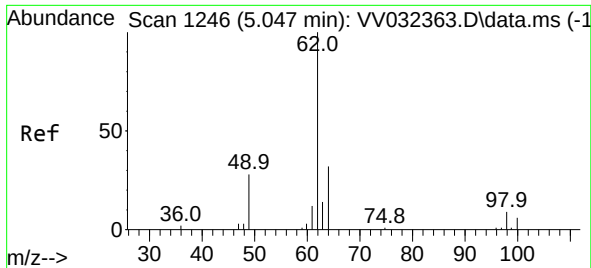
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#23
Bromochloromethane
Concen: 0.290 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion:128 Resp: 1165
Ion Ratio Lower Upper
128 100
49 127.9 121.2 225.0
130 90.8 88.2 163.8
51 48.6 45.1 67.7





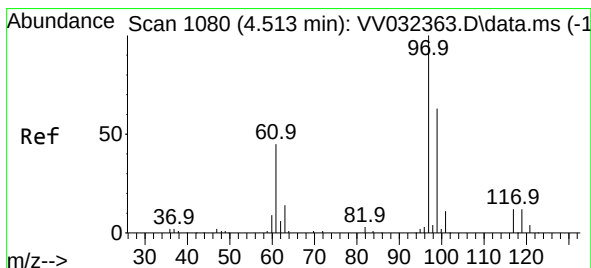
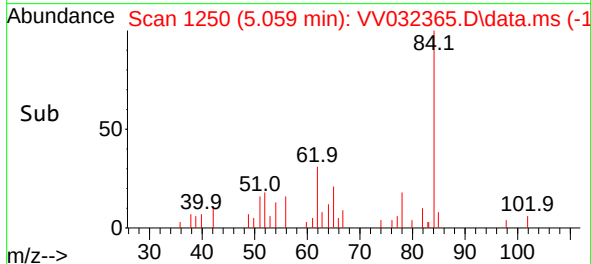
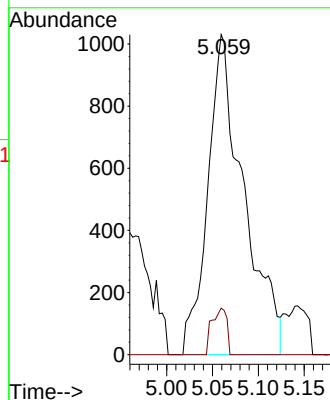
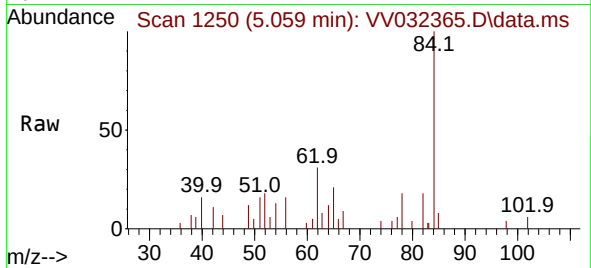
#27
1,2-Dichloroethane
Concen: 0.291 ug/L
RT: 5.059 min Scan# 1246
Delta R.T. 0.013 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08

Tgt Ion: 62 Resp: 280
Ion Ratio Lower Upper
62 100
98 14.6 7.8 11.8

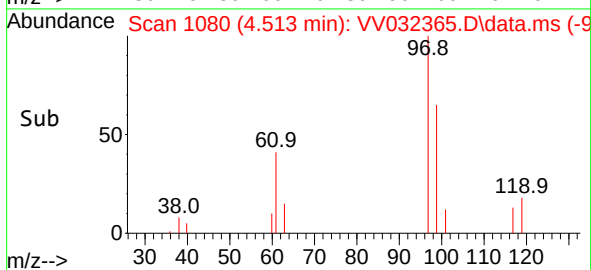
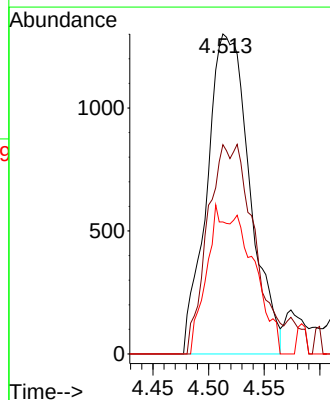
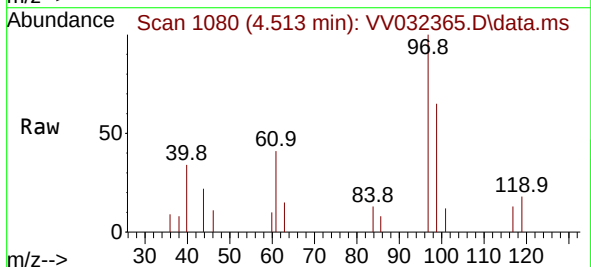
Manual Integrations
APPROVED

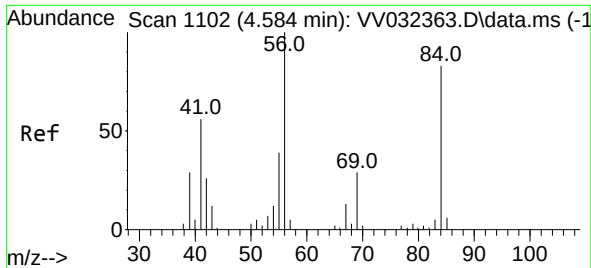
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#29
1,1,1-Trichloroethane
Concen: 0.219 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

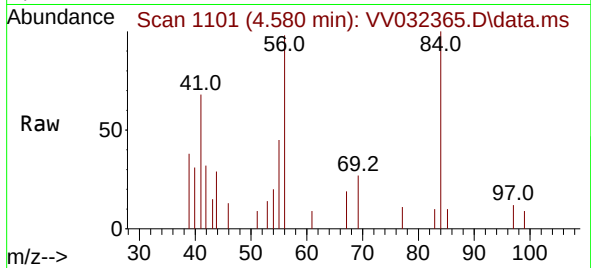
Tgt Ion: 97 Resp: 3483
Ion Ratio Lower Upper
97 100
99 35.6 50.1 75.1#
61 24.3 35.1 52.7#





#30
Cyclohexane
Concen: 0.195 ug/L
RT: 4.580 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

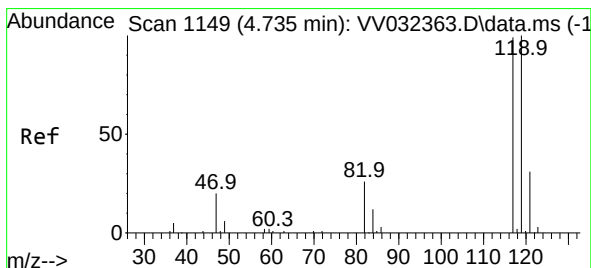
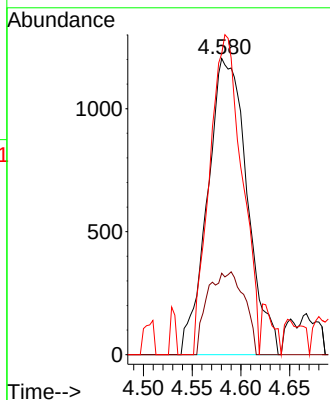
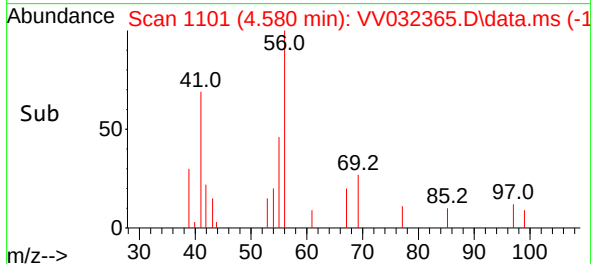
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion: 56 Resp: 3390
Ion Ratio Lower Upper
56 100
69 25.9 24.2 36.2
84 88.6 68.1 102.1

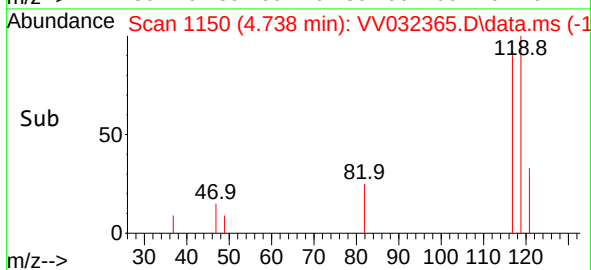
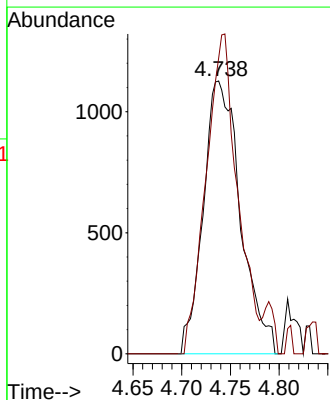
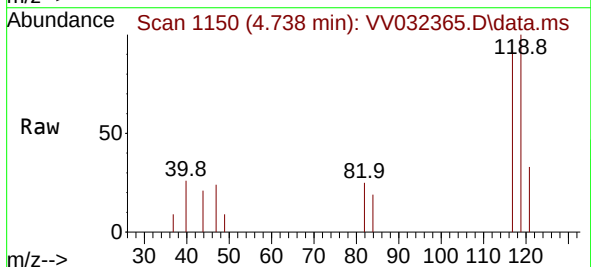
Manual Integrations
APPROVED

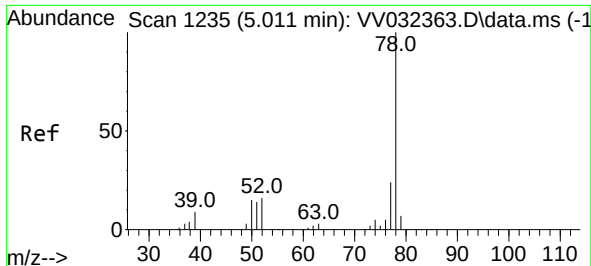
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#31
Carbon tetrachloride
Concen: 0.223 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion:117 Resp: 2991
Ion Ratio Lower Upper
117 100
119 99.0 77.6 116.4





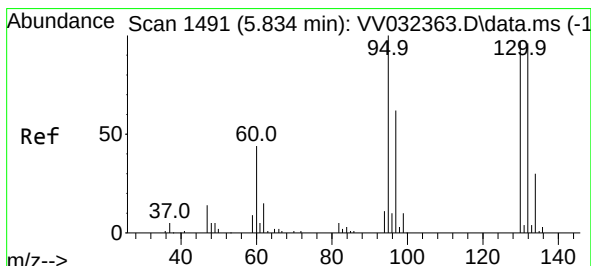
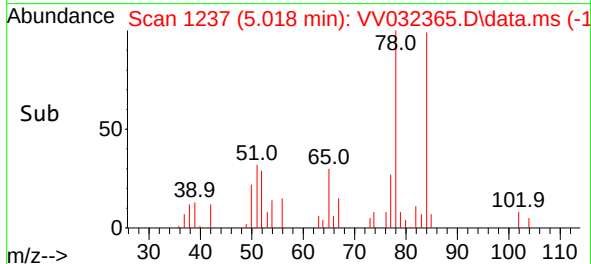
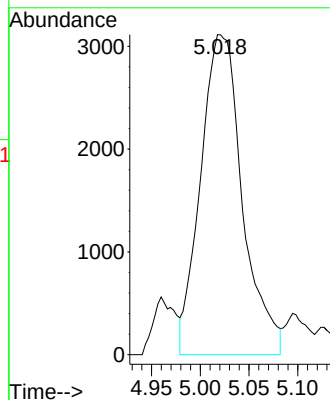
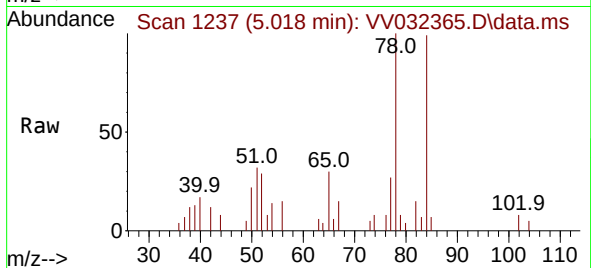
#33
Benzene
Concen: 0.226 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 78 Resp: 928

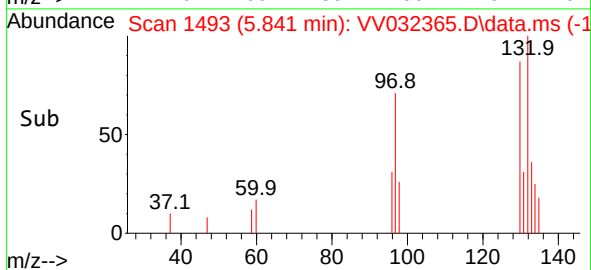
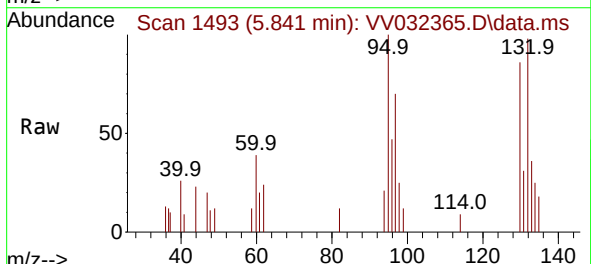
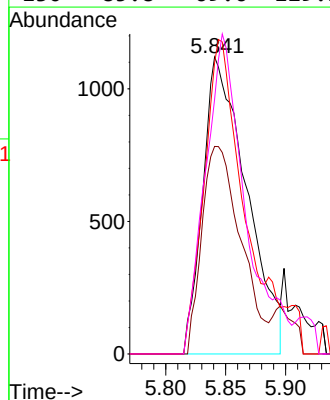
Manual Integrations
APPROVED

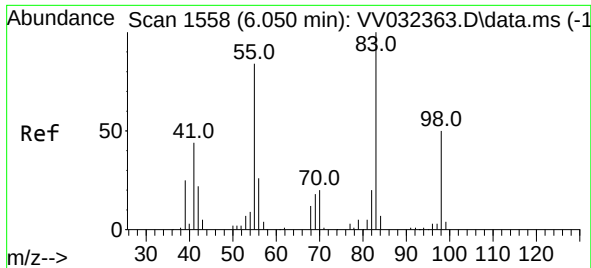
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#34
Trichloroethene
Concen: 0.253 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

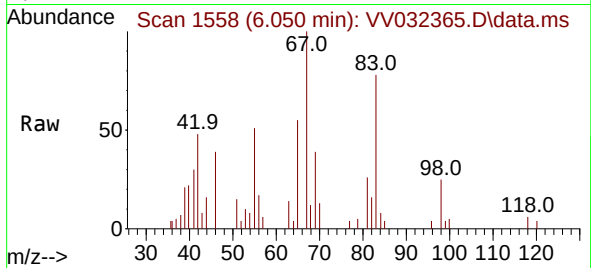
Tgt Ion: 95 Resp: 2839
Ion Ratio Lower Upper
95 100
97 69.9 45.7 84.9
132 98.1 70.3 130.5
130 85.8 69.6 129.2





#35
Methylcyclohexane
Concen: 0.295 ug/L m
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

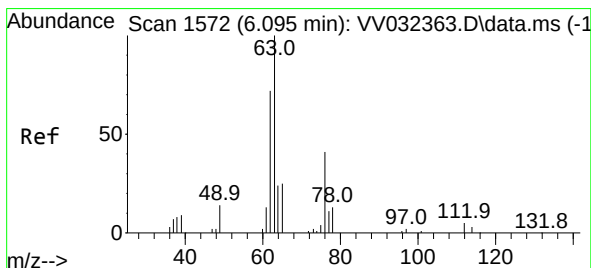
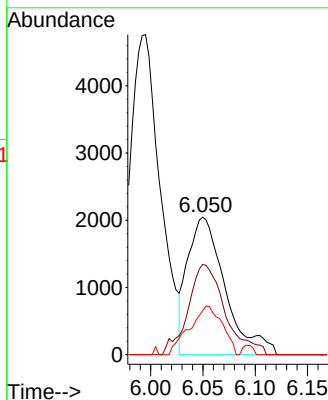
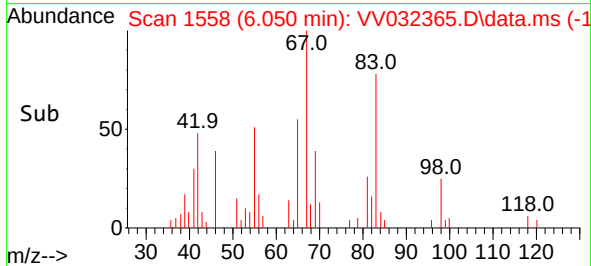
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion: 83 Resp: 5114
Ion Ratio Lower Upper
83 100
55 64.4 64.2 96.2
98 30.9 39.6 59.4

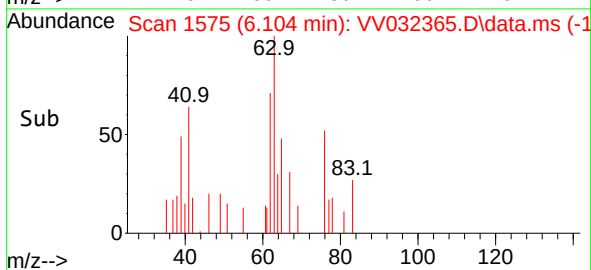
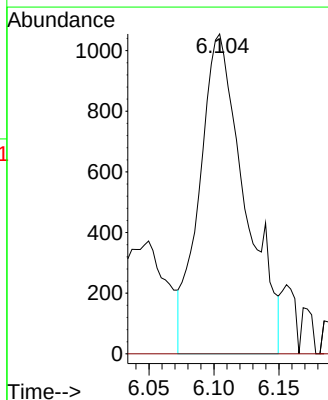
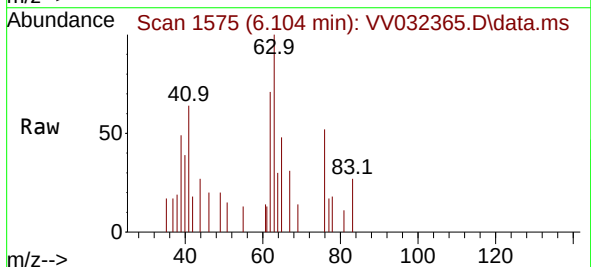
Manual Integrations
APPROVED

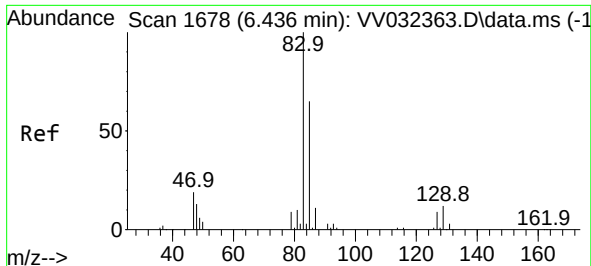
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#37
1,2-Dichloropropane
Concen: 0.233 ug/L
RT: 6.104 min Scan# 1575
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

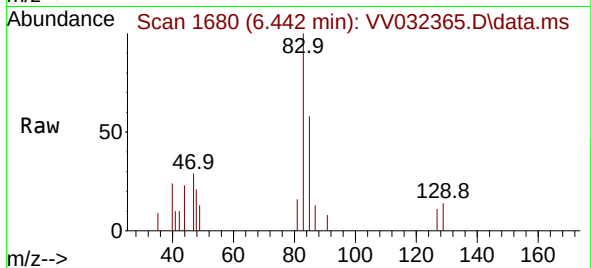
Tgt Ion: 63 Resp: 2563
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2





#38
Bromodichloromethane
Concen: 0.237 ug/L
RT: 6.442 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

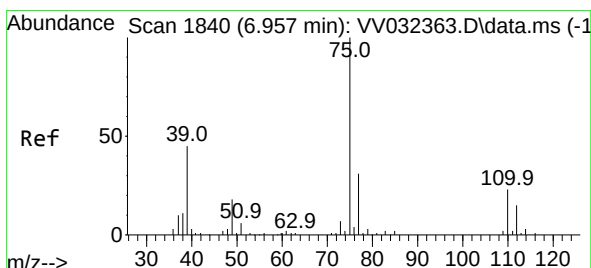
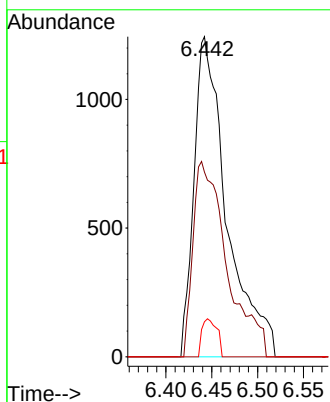
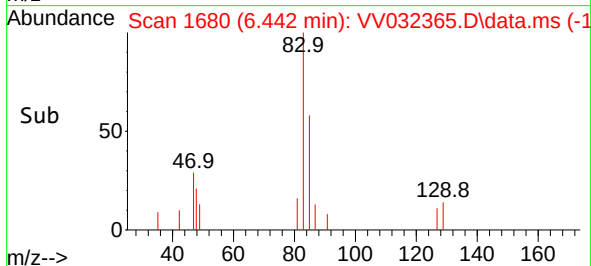
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 83 Resp: 3090
Ion Ratio Lower Upper
83 100
85 57.7 44.9 83.3
127 10.9 6.9 10.3

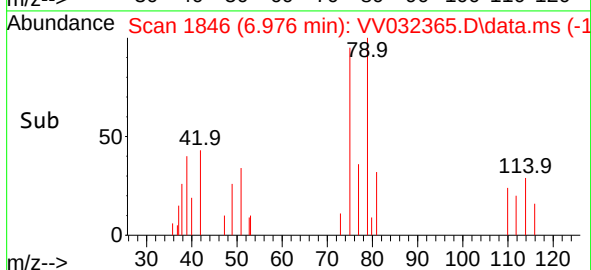
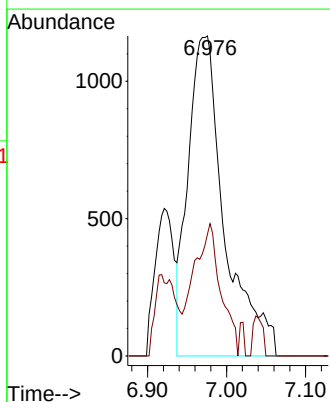
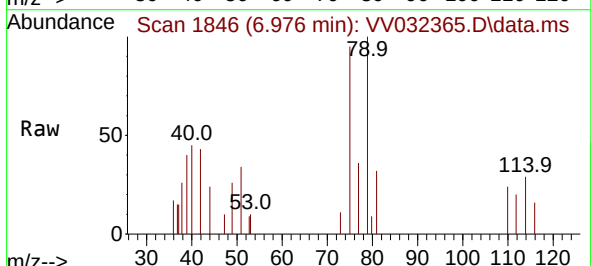
Manual Integrations
APPROVED

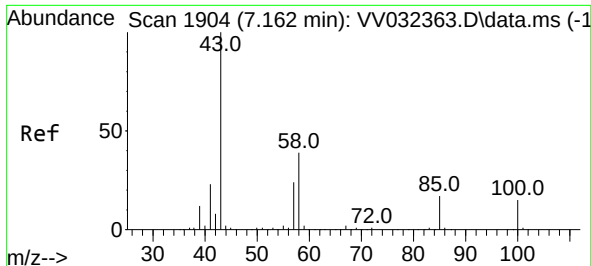
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#39
cis-1,3-Dichloropropene
Concen: 0.239 ug/L m
RT: 6.976 min Scan# 1846
Delta R.T. 0.019 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 75 Resp: 3735
Ion Ratio Lower Upper
75 100
77 38.1 22.2 41.2





#40

4-Methyl-2-pentanone

Concen: 1.961 ug/L

RT: 7.175 min Scan# 1904

Delta R.T. 0.013 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

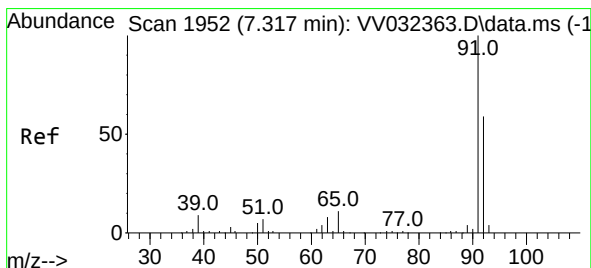
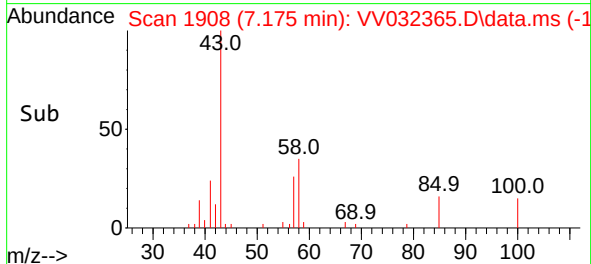
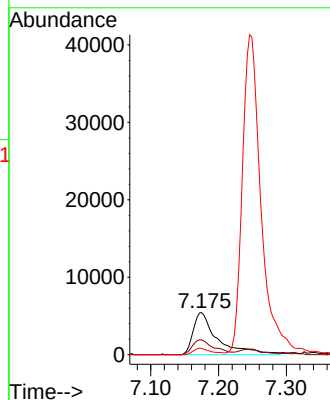
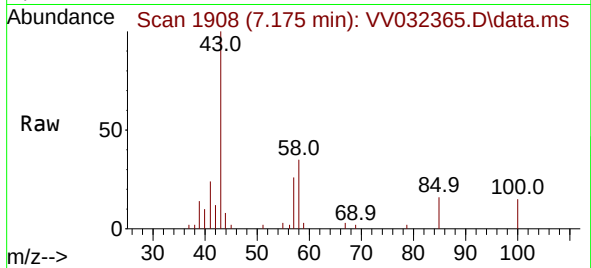
Tgt Ion:	43	Resp:	1364
Ion	Ratio	Lower	Upper
43	100		
58	32.0	31.9	47.9
100	0.0	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/11/2023

Supervised By :Mahesh Dadoda 10/12/2023



#42

Toluene

Concen: 0.211 ug/L

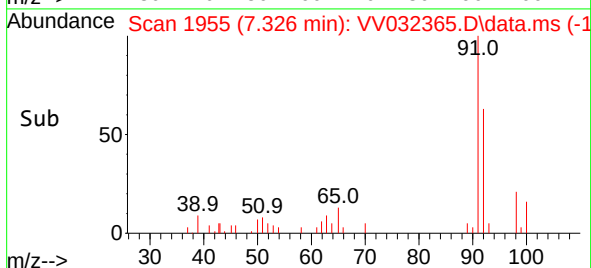
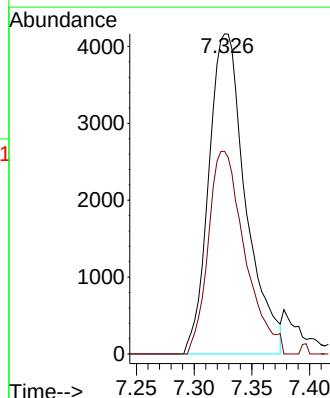
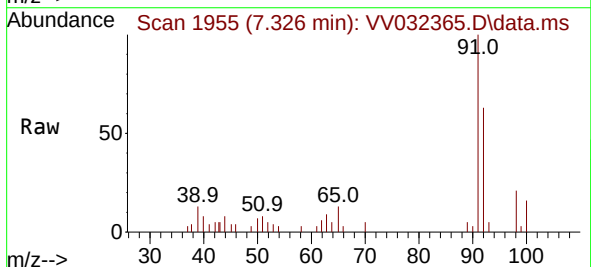
RT: 7.326 min Scan# 1955

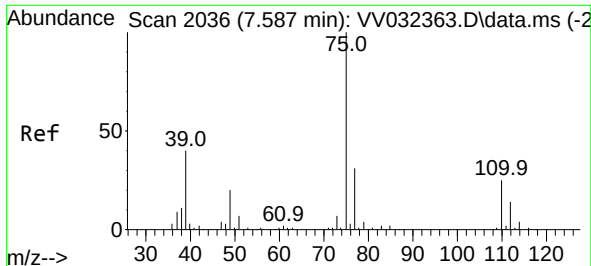
Delta R.T. 0.010 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Tgt Ion:	91	Resp:	9251
Ion	Ratio	Lower	Upper
91	100		
92	63.4	40.8	75.8





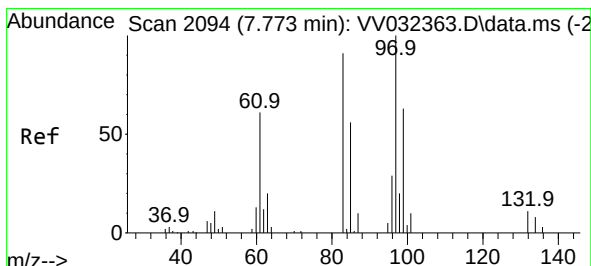
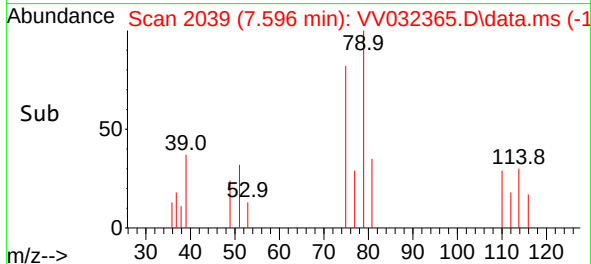
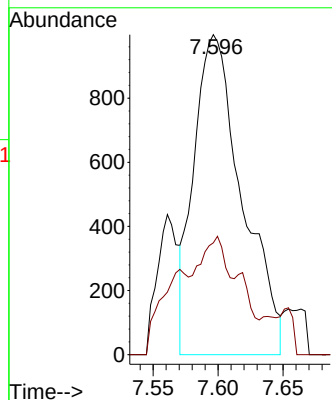
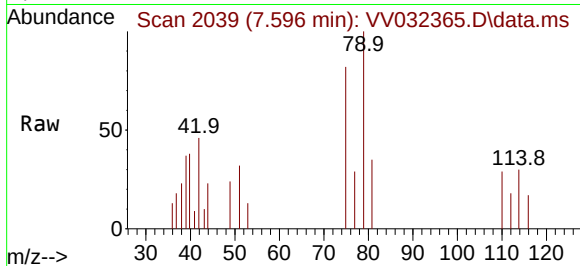
#44
trans-1,3-Dichloropropene
Concen: 0.201 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 2578
Ion Ratio Lower Upper
75 100
77 35.0 22.5 41.7

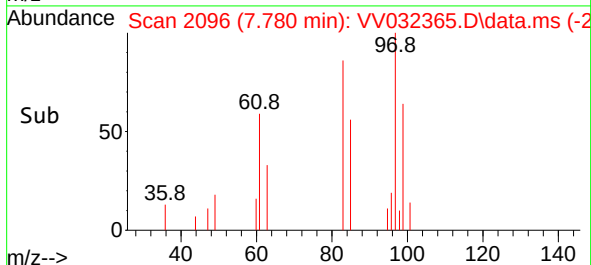
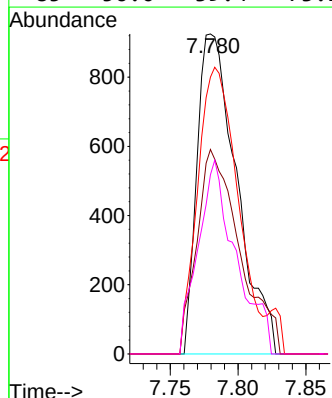
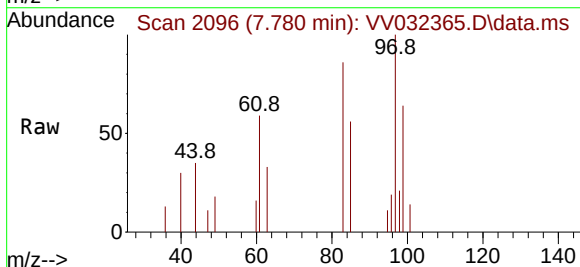
Manual Integrations
APPROVED

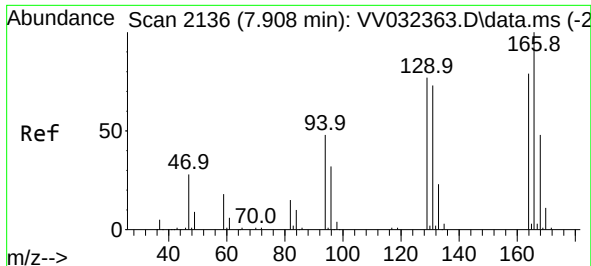
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#45
1,1,2-Trichloroethane
Concen: 0.242 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

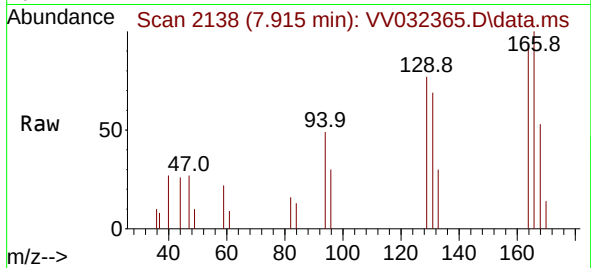
Tgt Ion: 97 Resp: 1880
Ion Ratio Lower Upper
97 100
99 63.9 42.8 79.4
83 86.5 60.9 113.1
85 56.0 39.4 73.2





#47
Tetrachloroethene
Concen: 0.245 ug/L
RT: 7.915 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

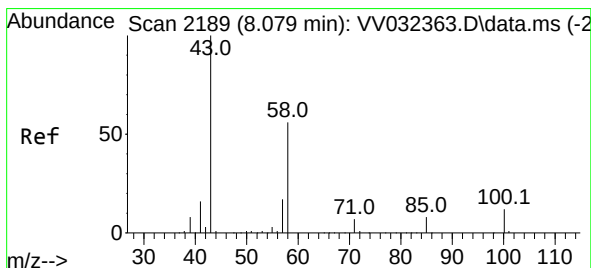
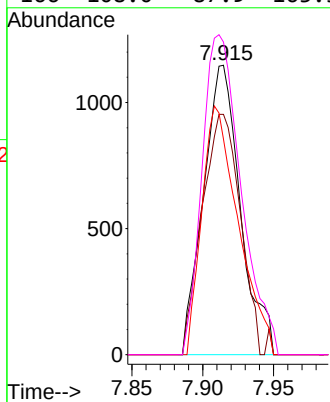
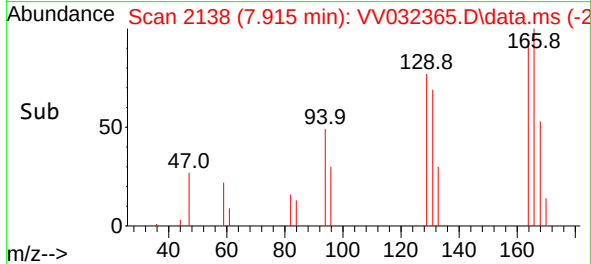
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:164 Resp: 208
Ion Ratio Lower Upper
164 100
129 83.0 66.4 123.4
131 74.5 63.7 118.3
166 108.0 87.9 163.3

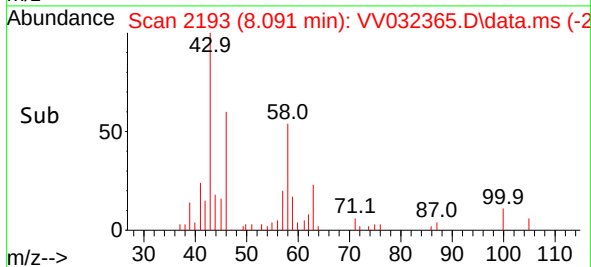
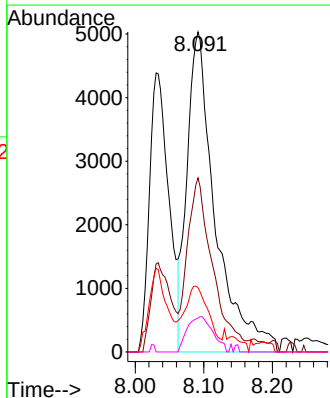
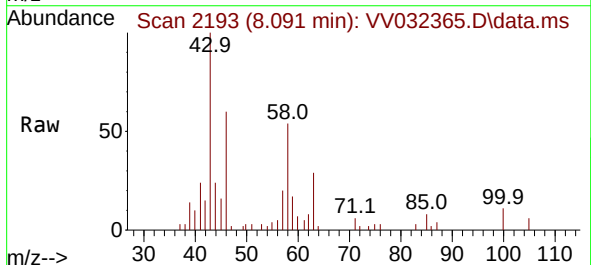
Manual Integrations
APPROVED

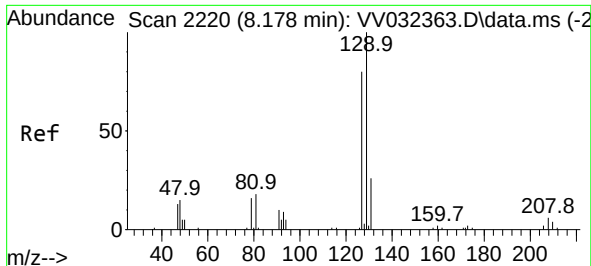
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#48
2-Hexanone
Concen: 2.942 ug/L m
RT: 8.091 min Scan# 2193
Delta R.T. 0.013 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 43 Resp: 14437
Ion Ratio Lower Upper
43 100
58 44.0 43.6 65.4
57 18.2 14.6 22.0
100 9.9 9.4 14.0





#49

Dibromochloromethane

Concen: 0.218 ug/L

RT: 8.181 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:129 Resp: 1758

Ion Ratio Lower Upper

129 100

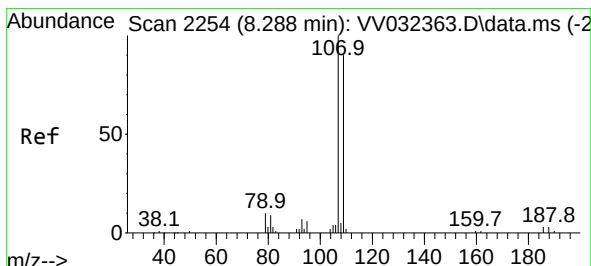
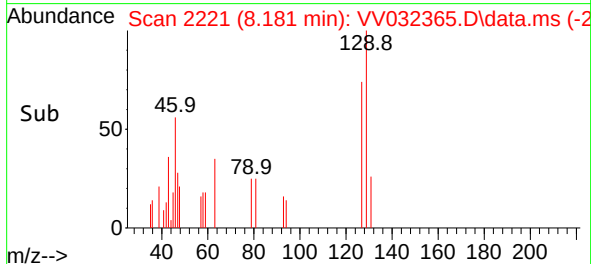
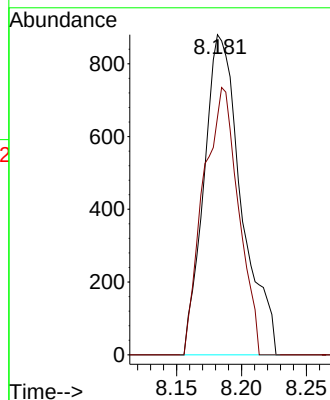
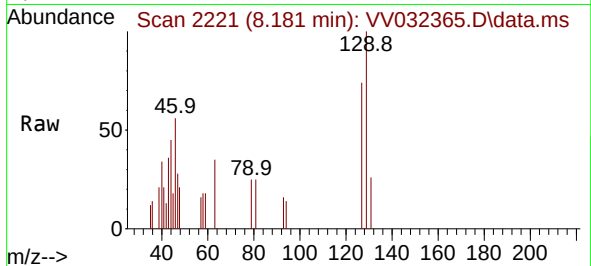
127 74.2 57.2 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/11/2023

Supervised By :Mahesh Dadoda 10/12/2023



#50

1,2-Dibromoethane

Concen: 0.219 ug/L

RT: 8.291 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

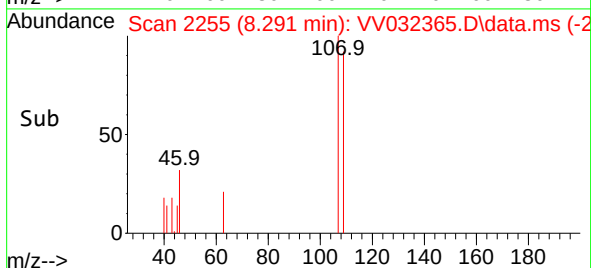
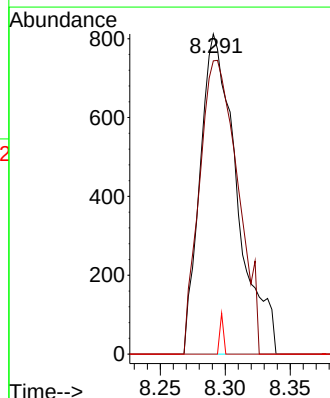
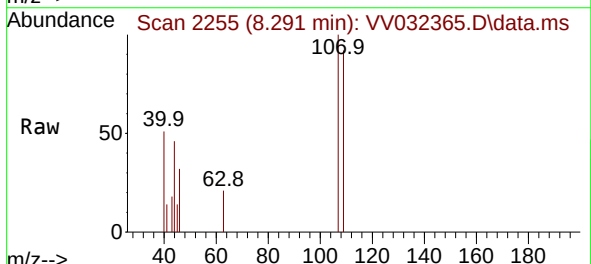
Tgt Ion:107 Resp: 1608

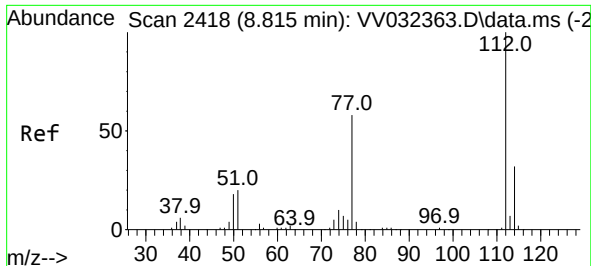
Ion Ratio Lower Upper

107 100

109 91.6 68.4 127.0

188 0.0 3.2 4.8#





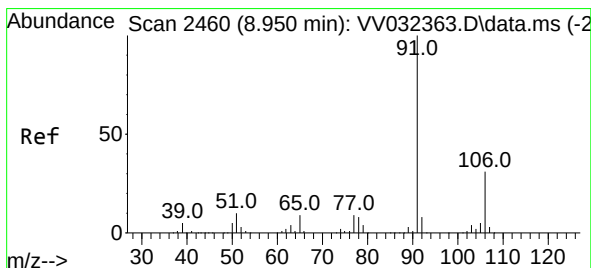
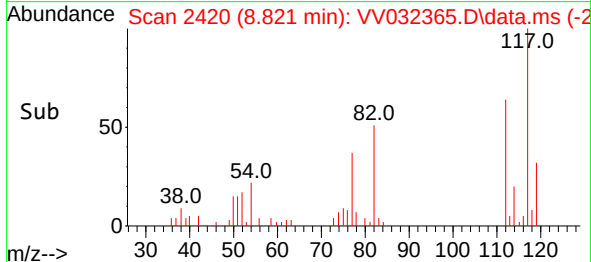
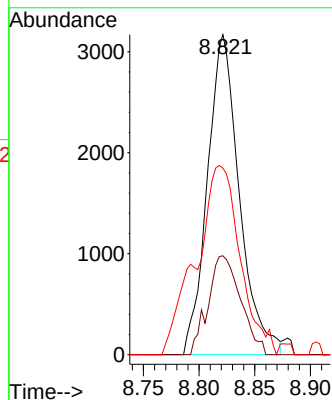
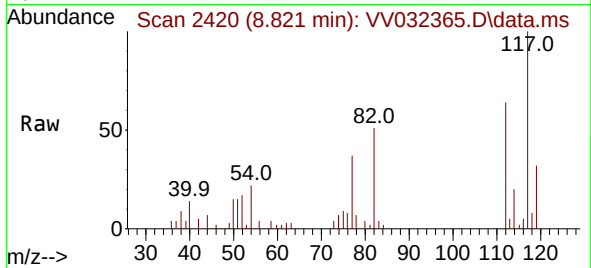
#51
Chlorobenzene
Concen: 0.225 ug/L
RT: 8.821 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:112 Resp: 633
Ion Ratio Lower Upper
112 100
114 30.9 22.1 41.1
77 58.3 46.1 69.1

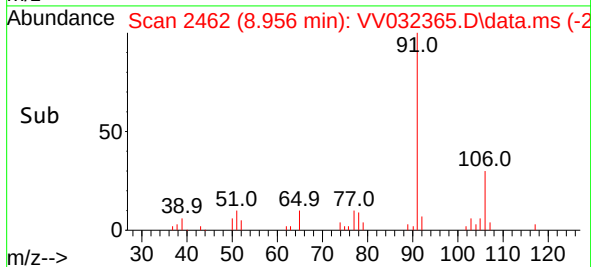
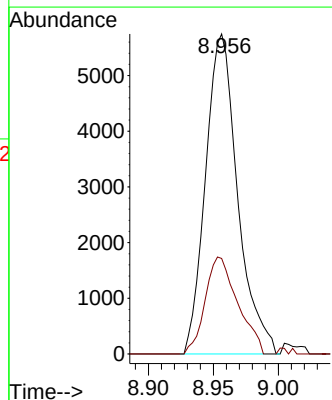
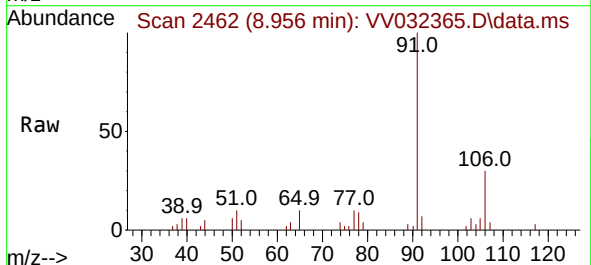
Manual Integrations
APPROVED

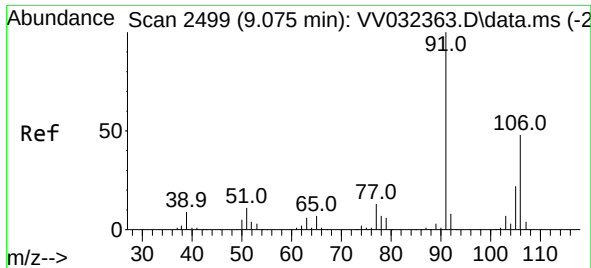
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#52
Ethylbenzene
Concen: 0.202 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 91 Resp: 9868
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5





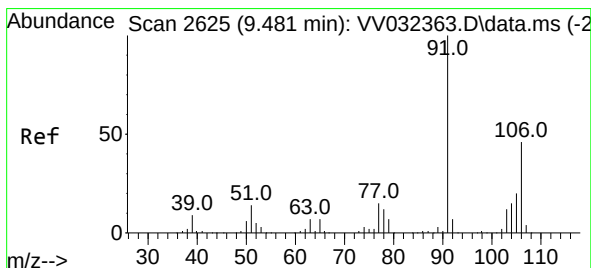
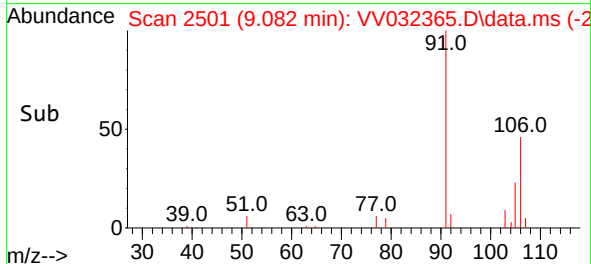
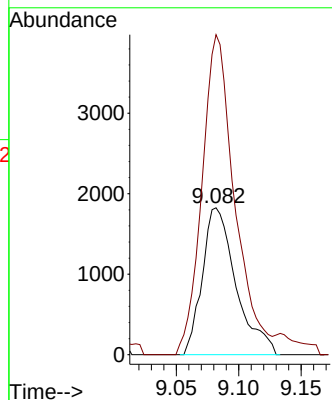
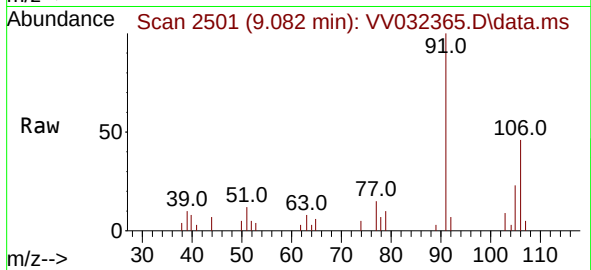
#53
m,p-Xylene
Concen: 0.190 ug/L
RT: 9.082 min Scan# 2499
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:106 Resp: 3430
Ion Ratio Lower Upper
106 100
91 217.7 144.5 268.3

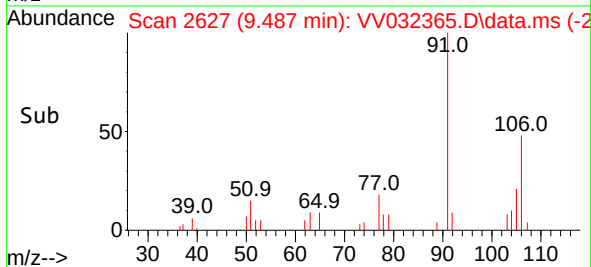
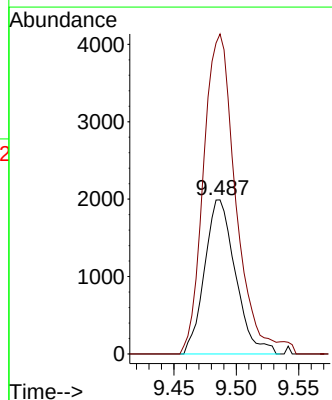
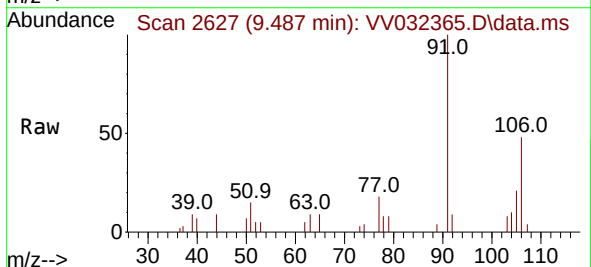
Manual Integrations
APPROVED

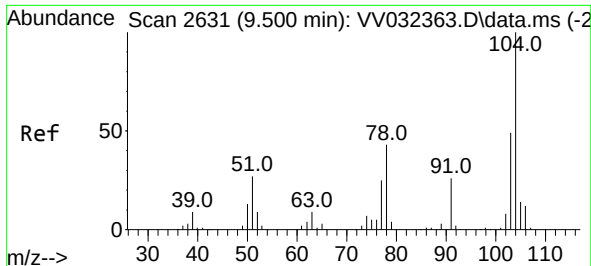
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#54
o-Xylene
Concen: 0.197 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion:106 Resp: 3433
Ion Ratio Lower Upper
106 100
91 207.6 154.8 287.4





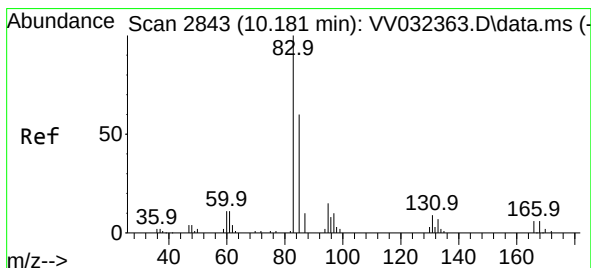
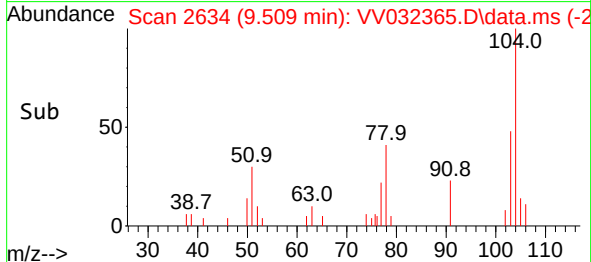
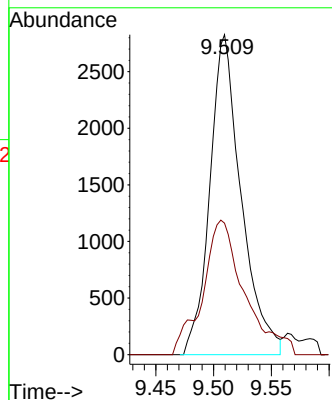
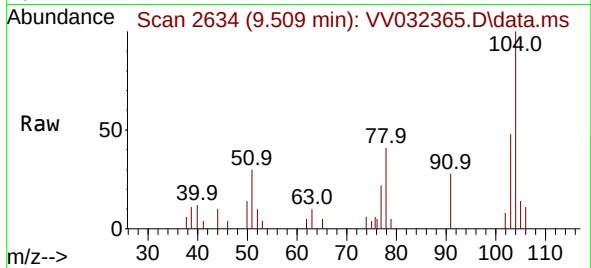
#55
Styrene
Concen: 0.181 ug/L
RT: 9.509 min Scan# 2631
Delta R.T. 0.010 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:104 Resp: 5330
Ion Ratio Lower Upper
104 100
78 41.1 29.9 55.5

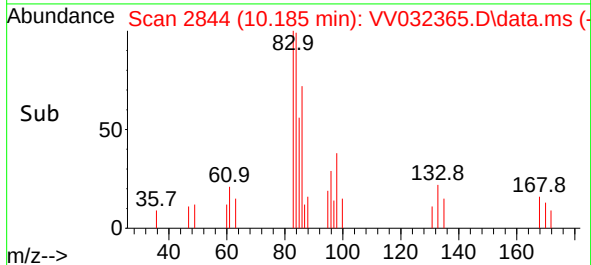
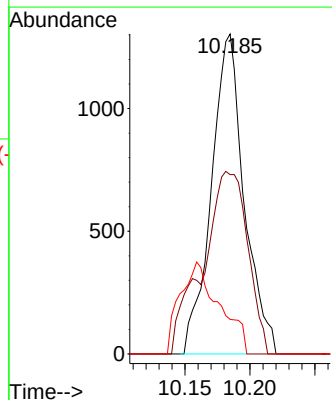
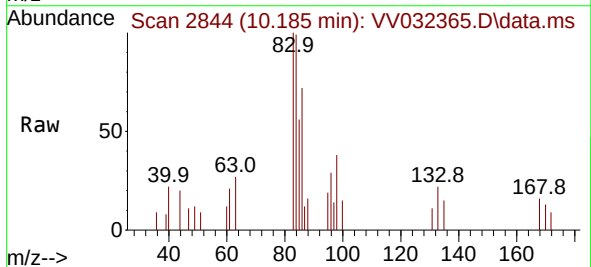
Manual Integrations
APPROVED

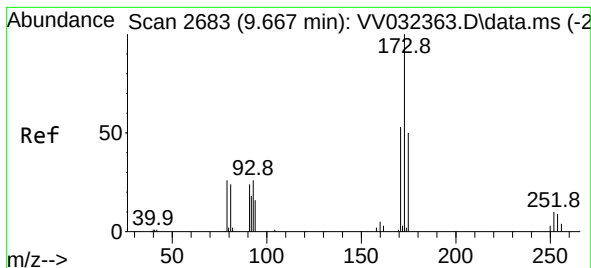
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 0.268 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion: 83 Resp: 2285
Ion Ratio Lower Upper
83 100
85 56.1 43.6 81.0
131 10.8 7.0 10.6





#59

Bromoform

Concen: 0.239 ug/L

RT: 9.677 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

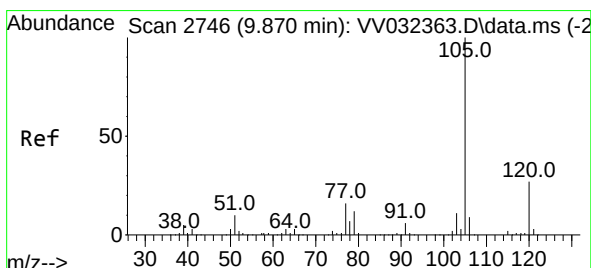
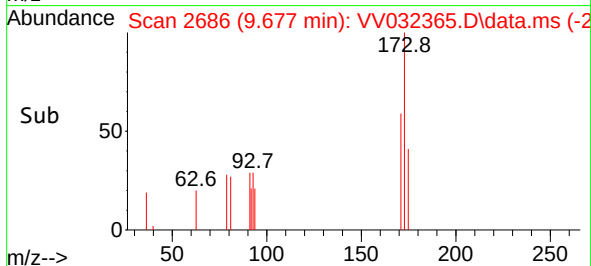
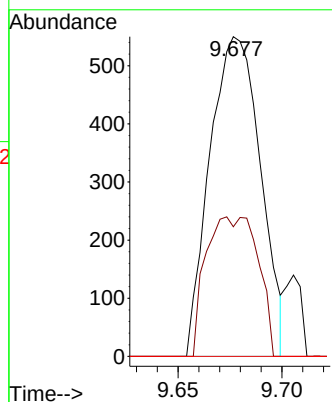
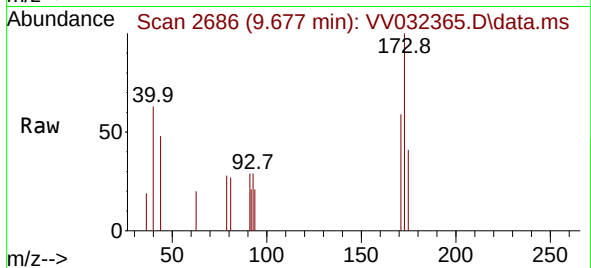
Tgt Ion:	173	Resp:	93
Ion	Ratio	Lower	Upper
173	100		
175	45.0	38.2	57.2
254	0.0	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/11/2023

Supervised By :Mahesh Dadoda 10/12/2023



#60

Isopropylbenzene

Concen: 0.227 ug/L

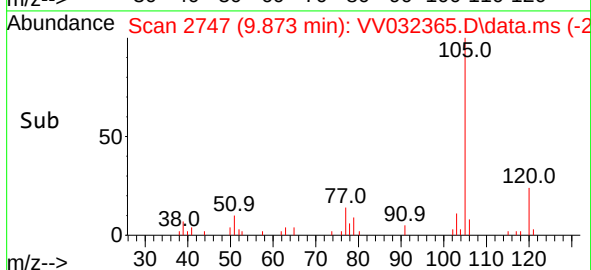
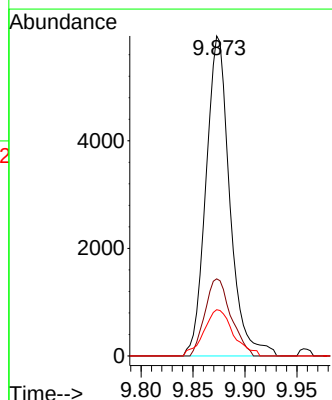
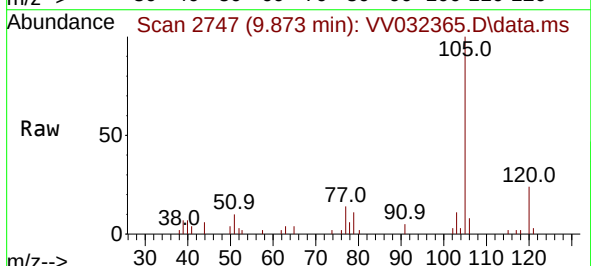
RT: 9.873 min Scan# 2747

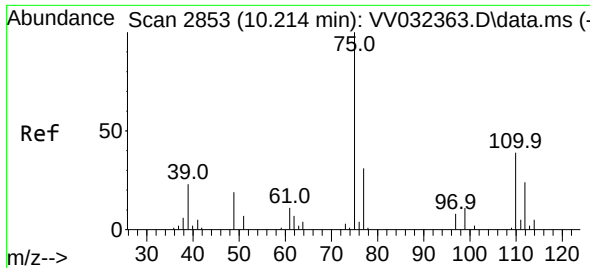
Delta R.T. 0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Tgt Ion:	105	Resp:	9465
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.0	31.6
77	17.8	12.6	19.0





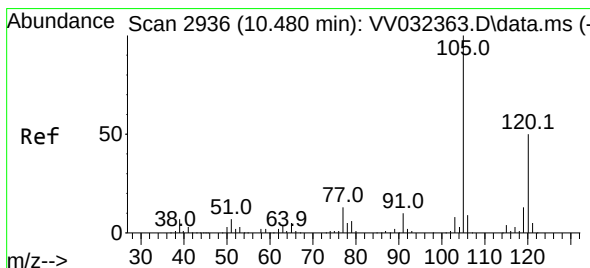
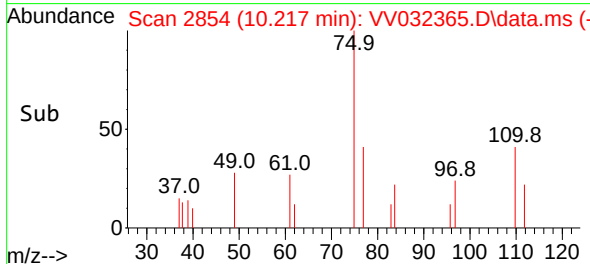
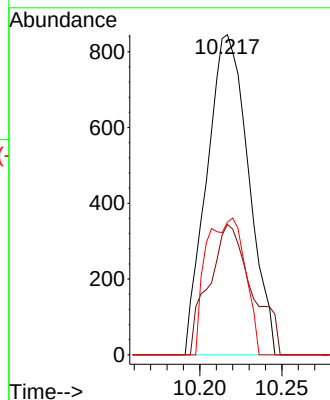
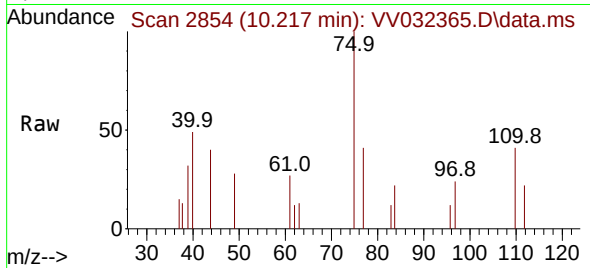
#61
1,2,3-Trichloropropane
Concen: 0.261 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 149
Ion Ratio Lower Upper
75 100
77 42.1 26.2 39.2
110 39.8 30.6 46.0

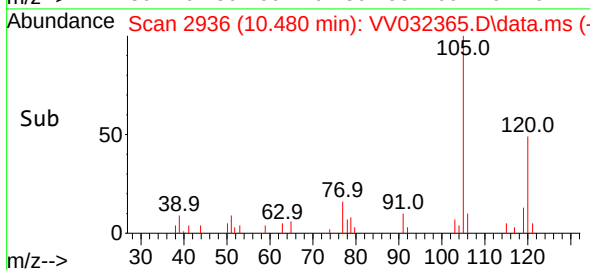
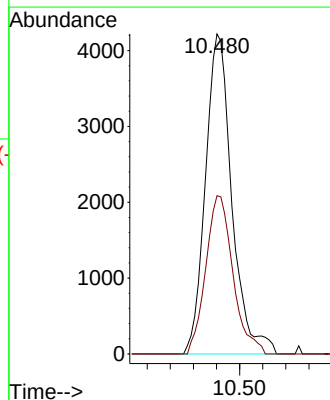
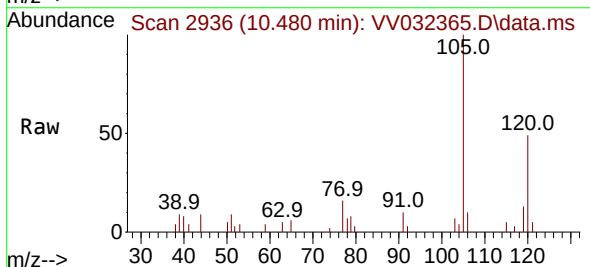
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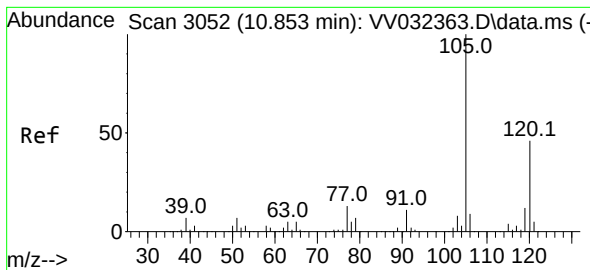
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023



#62
1,3,5-Trimethylbenzene
Concen: 0.197 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

Tgt Ion:105 Resp: 6693
Ion Ratio Lower Upper
105 100
120 50.8 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.200 ug/L

RT: 10.857 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

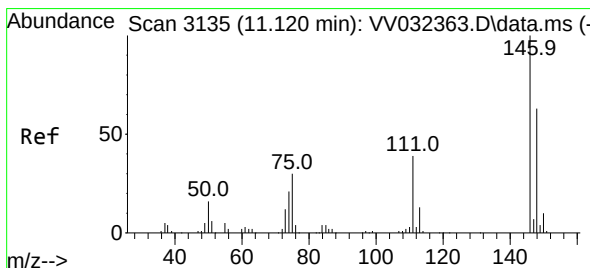
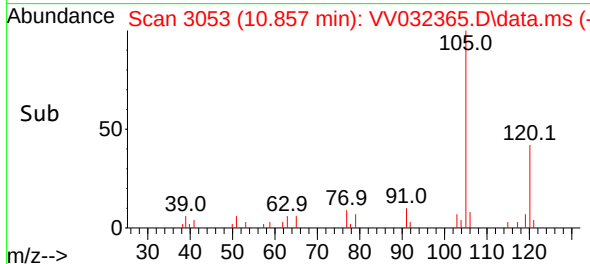
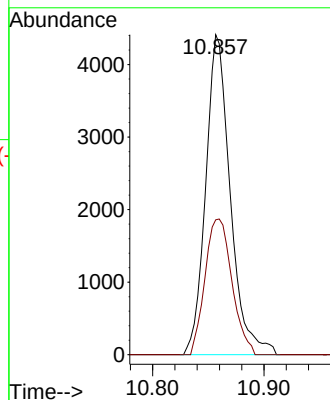
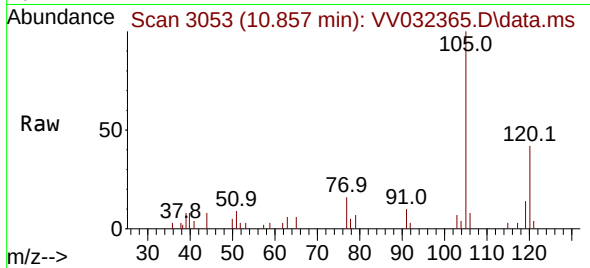
Tgt Ion:105 Resp: 6770
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.2 54.4

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#64

1,3-Dichlorobenzene

Concen: 0.246 ug/L

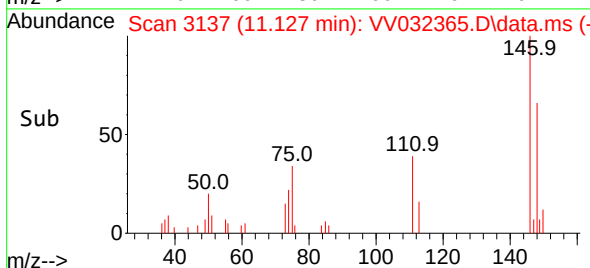
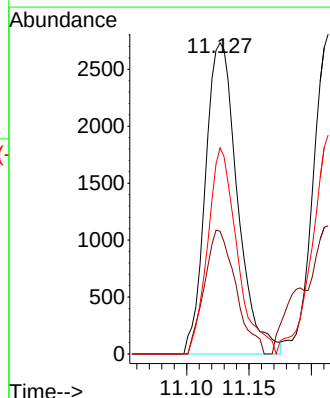
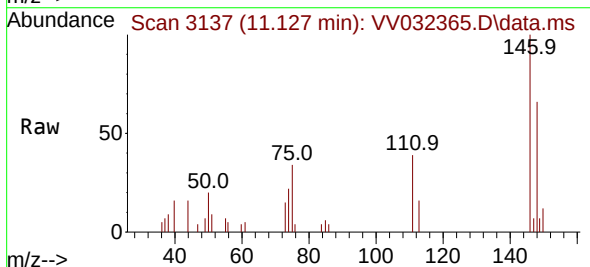
RT: 11.127 min Scan# 3137

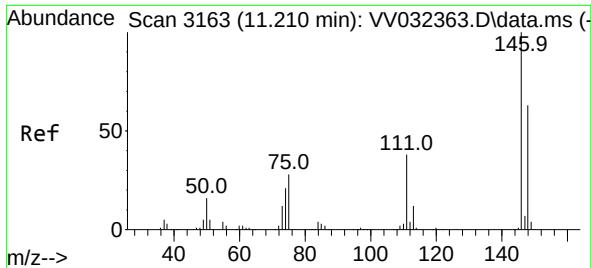
Delta R.T. 0.006 min

Lab File: VV032365.D

Acq: 10 Oct 2023 10:38

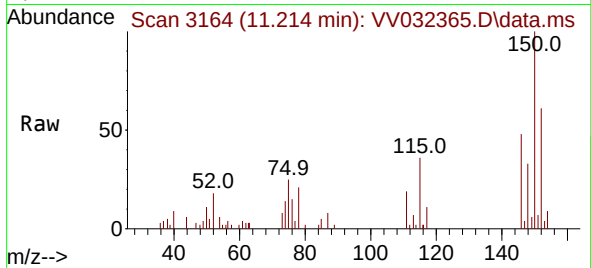
Tgt Ion:146 Resp: 4891
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.8 51.6
 148 66.3 43.7 81.1





#65
1,4-Dichlorobenzene
Concen: 0.263 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

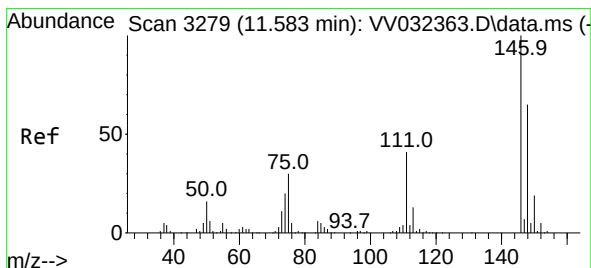
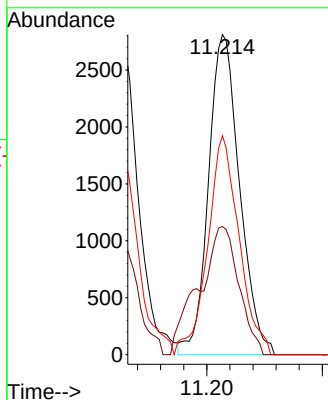
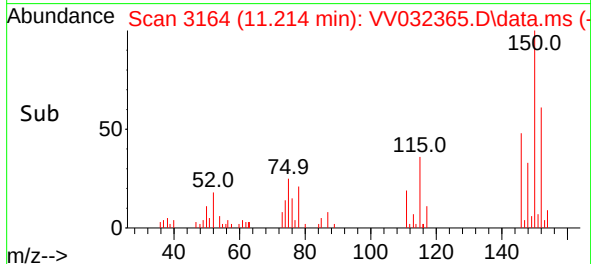
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



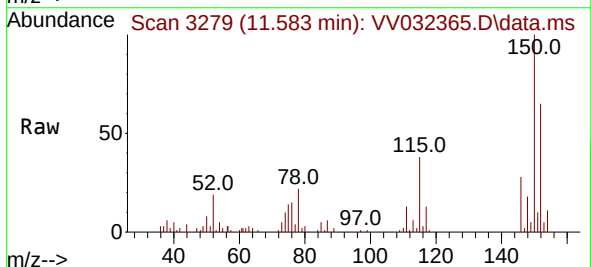
Tgt Ion:146 Resp: 5250
Ion Ratio Lower Upper
146 100
111 40.1 26.9 49.9
148 68.4 44.8 83.2

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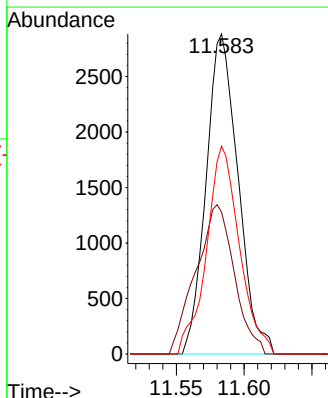
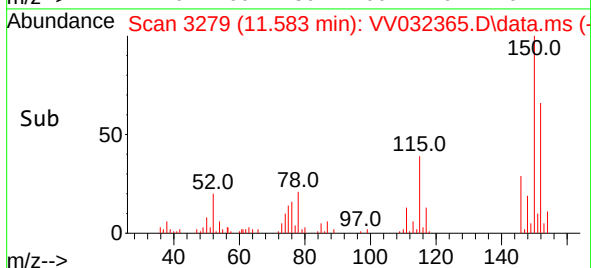
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023

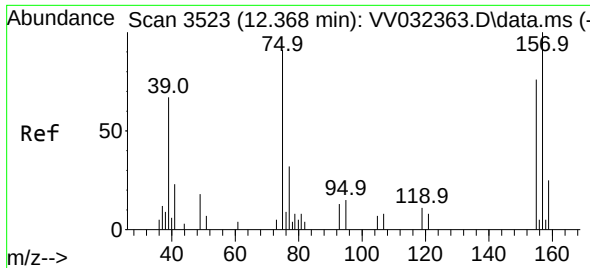


#67
1,2-Dichlorobenzene
Concen: 0.260 ug/L
RT: 11.583 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38



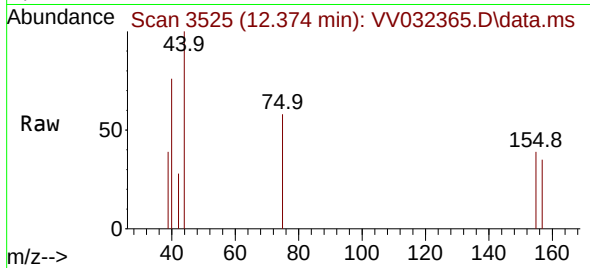
Tgt Ion:146 Resp: 4723
Ion Ratio Lower Upper
146 100
111 44.4 32.8 49.2
148 65.0 51.0 76.4





#68
1,2-Dibromo-3-chloropropane
Concen: 0.232 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

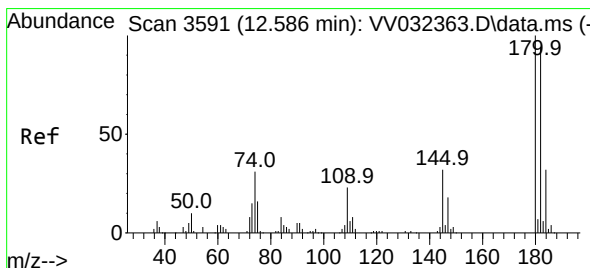
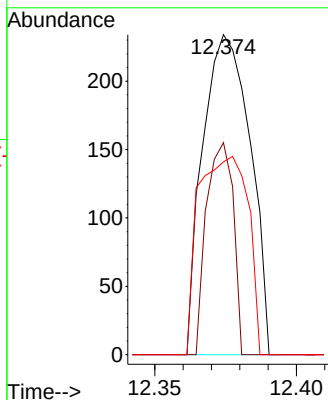
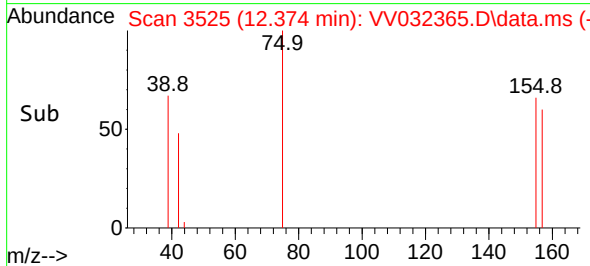
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



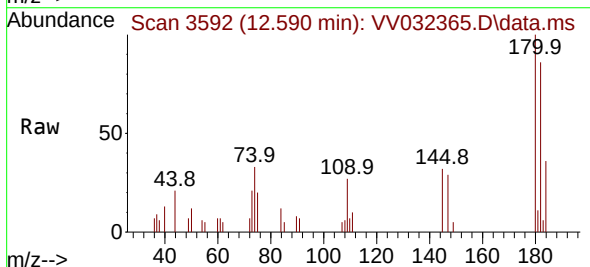
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
155 66.2 70.2 105.4
157 60.3 90.6 135.8

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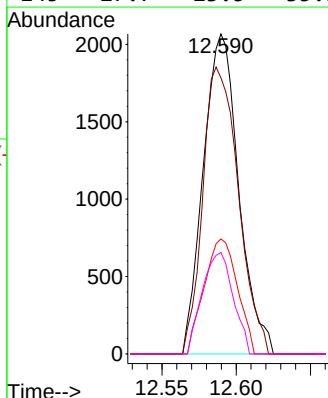
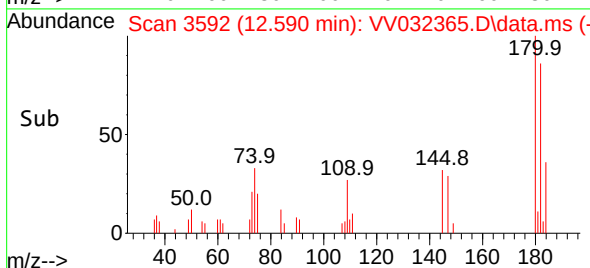
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023

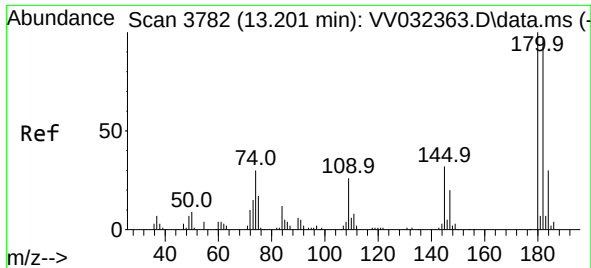


#69
1,3,5-Trichlorobenzene
Concen: 0.235 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38



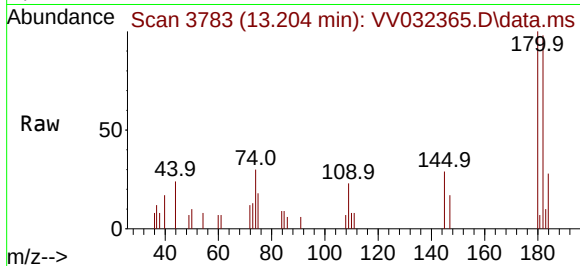
Tgt Ion:180 Resp: 3423
Ion Ratio Lower Upper
180 100
182 90.2 74.6 112.0
184 33.7 24.1 36.1
145 27.7 23.5 35.3





#70
1,2,4-trichlorobenzene
Concen: 0.215 ug/L
RT: 13.204 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38

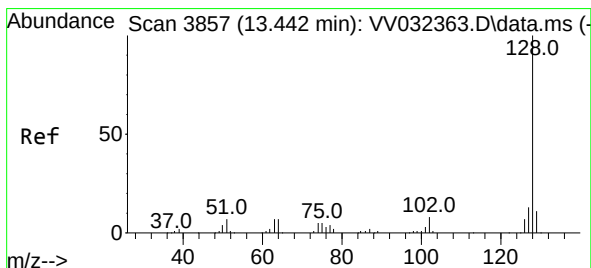
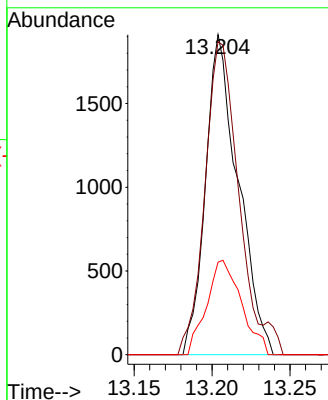
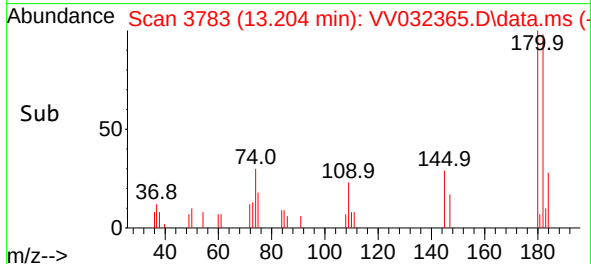
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



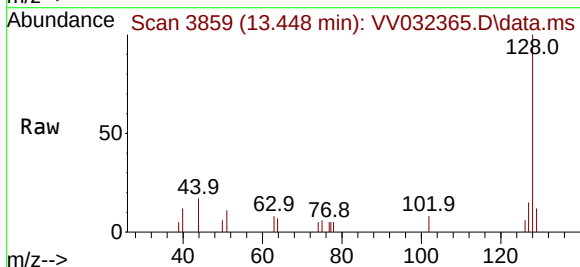
Tgt Ion:180 Resp: 2780
Ion Ratio Lower Upper
180 100
182 101.8 76.5 114.7
145 31.3 24.3 36.5

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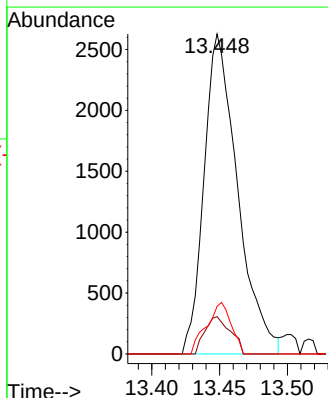
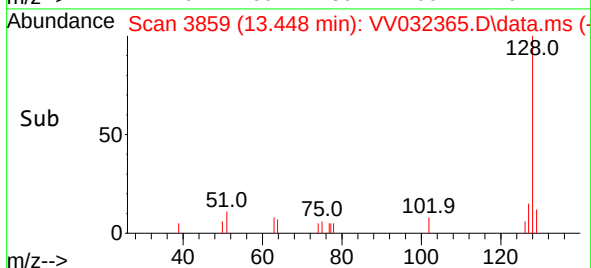
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/12/2023

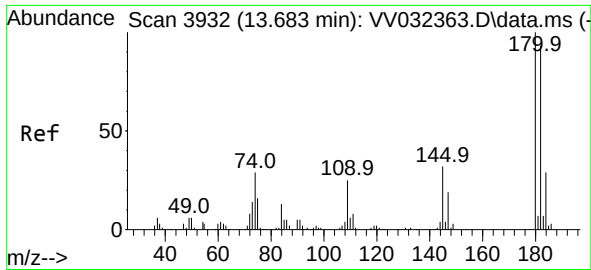


#71
Naphthalene
Concen: 0.206 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.006 min
Lab File: VV032365.D
Acq: 10 Oct 2023 10:38



Tgt Ion:128 Resp: 4517
Ion Ratio Lower Upper
128 100
129 8.9 9.0 13.4#
127 11.8 10.2 15.2





#72

1,2,3-Trichlorobenzene

Concen: 0.229 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV032365.D

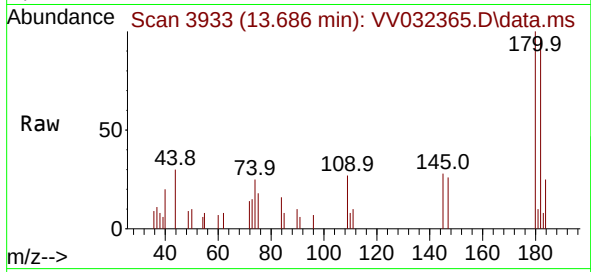
Acq: 10 Oct 2023 10:38

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08



Tgt Ion:180 Resp: 2558

Ion Ratio Lower Upper

180 100

182 100.3 77.0 115.4

145 29.6 25.7 38.5

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