

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100523\
 Data File : VW032246.D
 Acq On : 05 Oct 2023 11:19
 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 06 01:22:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 06 01:20:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/06/2023
 Supervised By : Mahesh Dadoda 10/06/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	95955	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	93591	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	44163	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	34688	4.445	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.532	69	31745	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.060	65	14935	4.538	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	3.812	46	71208	36.071	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.140%
24) Chloroform-d	4.252	84	64503	4.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.947	65	33292	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	4.963	84	134452	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	5.992	67	44164	4.840	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.246	98	112458	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.561	79	14848	4.592	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.030	63	60390	39.697	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.400%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	30600	4.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	41790	5.099	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	2105	0.197	ug/L	98
3) Chloromethane	1.217	50	2374	0.220	ug/L	91
5) Vinyl chloride	1.281	62	2124	0.207	ug/L #	73
6) Bromomethane	1.487	94	1362	0.219	ug/L	99
8) Chloroethane	1.548	64	1249	0.202	ug/L	84
9) Trichlorofluoromethane	1.715	101	2527	0.205	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1906	0.255	ug/L	85
12) 1,1-Dichloroethene	2.069	96	1755	0.249	ug/L #	1
13) Acetone	2.140	43	2938m	1.931	ug/L	
14) Carbon disulfide	2.243	76	4462	0.181	ug/L #	90
15) Methyl Acetate	2.394	43	1036	0.302	ug/L #	57
16) Methylene chloride	2.449	84	3968	0.432	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	3513	0.183	ug/L	97
18) trans-1,2-Dichloroethene	2.699	96	1506	0.187	ug/L	76
19) 1,1-Dichloroethane	3.124	63	2909	0.192	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	1505	0.173	ug/L	87
23) Bromochloromethane	4.169	128	632	0.173	ug/L #	73
27) 1,2-Dichloroethane	5.063	62	1926	0.219	ug/L #	73
29) 1,1,1-Trichloroethane	4.519	97	2284	0.179	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
 Data File : VV032246.D
 Acq On : 05 Oct 2023 11:19
 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 06 01:22:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 06 01:20:04 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/06/2023
 Supervised By :Mahesh Dadoda 10/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.593	56	2254m	0.161	ug/L	
31) Carbon tetrachloride	4.744	117	1788m	0.166	ug/L	
33) Benzene	5.014	78	6707m	0.204	ug/L	
34) Trichloroethene	5.844	95	1793	0.199	ug/L	90
35) Methylcyclohexane	6.050	83	2892	0.208	ug/L #	82
37) 1,2-Dichloropropane	6.101	63	1862	0.211	ug/L #	87
38) Bromodichloromethane	6.445	83	1727	0.165	ug/L #	93
39) cis-1,3-Dichloropropene	6.969	75	2140	0.171	ug/L	86
40) 4-Methyl-2-pentanone	7.175	43	7893	1.415	ug/L #	87
42) Toluene	7.326	91	6076	0.173	ug/L	88
44) trans-1,3-Dichloropropene	7.599	75	1778	0.173	ug/L	87
45) 1,1,2-Trichloroethane	7.786	97	992	0.160	ug/L	97
47) Tetrachloroethene	7.915	164	1125	0.165	ug/L	96
48) 2-Hexanone	8.088	43	15164m	3.854	ug/L	
49) Dibromochloromethane	8.181	129	1132	0.175	ug/L	85
50) 1,2-Dibromoethane	8.291	107	993	0.169	ug/L #	93
51) Chlorobenzene	8.825	112	4093	0.181	ug/L	92
52) Ethylbenzene	8.956	91	6482	0.166	ug/L	92
53) m,p-Xylene	9.085	106	2334	0.161	ug/L	77
54) o-Xylene	9.484	106	2217	0.159	ug/L	85
55) Styrene	9.509	104	3268	0.138	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	1440	0.211	ug/L #	96
59) Bromoform	9.673	173	641	0.200	ug/L #	61
60) Isopropylbenzene	9.873	105	5850	0.170	ug/L	97
61) 1,2,3-Trichloropropane	10.223	75	1080	0.230	ug/L #	80
62) 1,3,5-Trimethylbenzene	10.484	105	4460	0.159	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	4365	0.157	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	2951	0.180	ug/L	89
65) 1,4-Dichlorobenzene	11.214	146	3222	0.196	ug/L	94
67) 1,2-Dichlorobenzene	11.580	146	3087	0.206	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.590	180	1987	0.165	ug/L	93
70) 1,2,4-trichlorobenzene	13.210	180	1817	0.171	ug/L	100
71) Naphthalene	13.451	128	3185	0.176	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.686	180	1586	0.173	ug/L	96

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

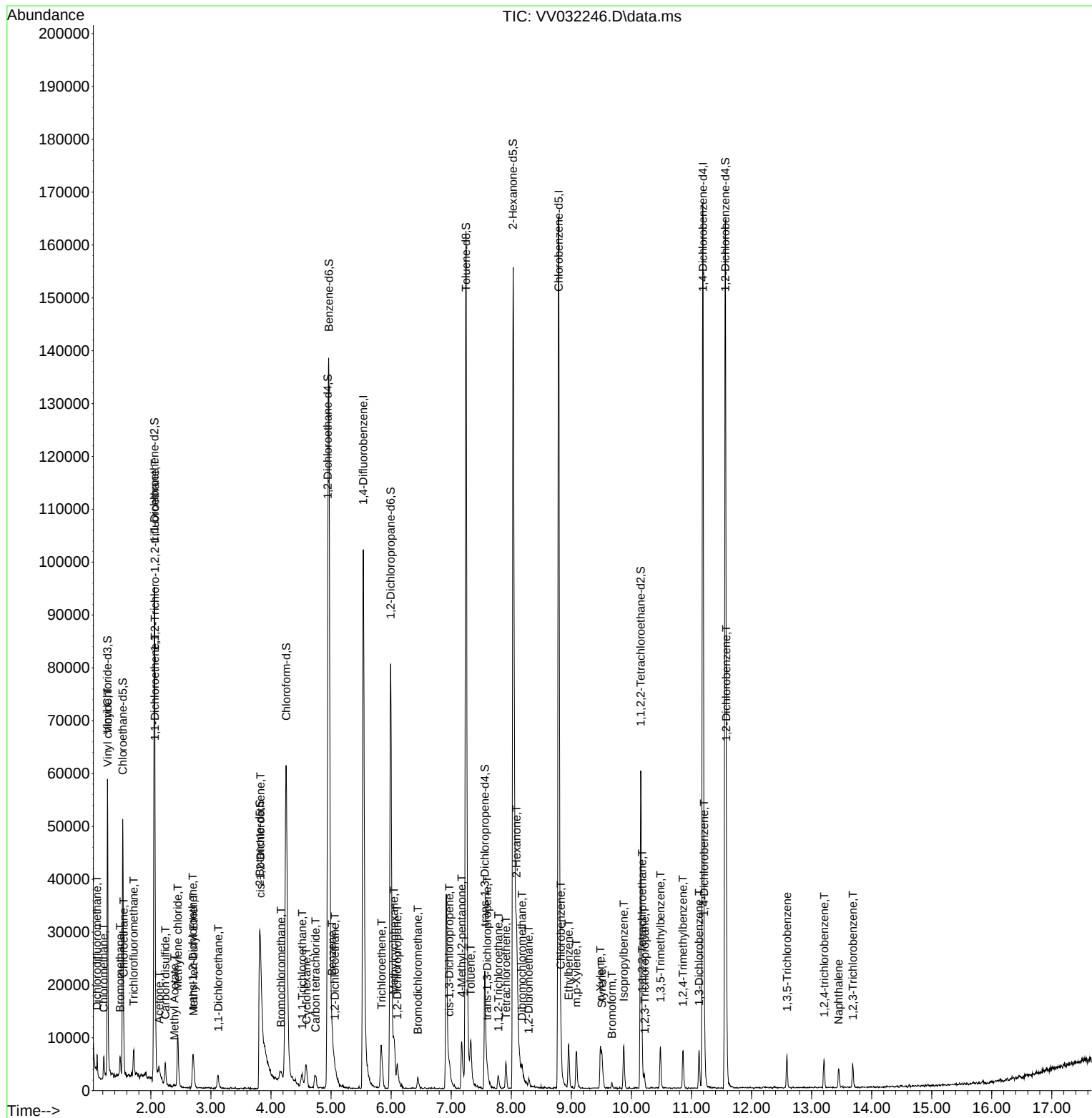
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
Data File : VV032246.D
Acq On : 05 Oct 2023 11:19
Operator : SY/MD
Sample : 04696-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

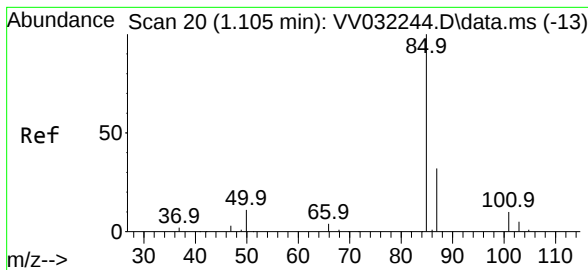
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Quant Time: Oct 06 01:22:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 01:20:04 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

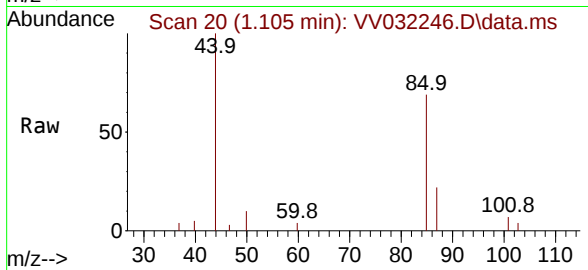
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023





#2
Dichlorodifluoromethane
Concen: 0.197 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

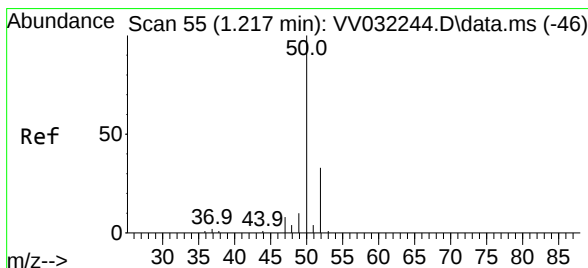
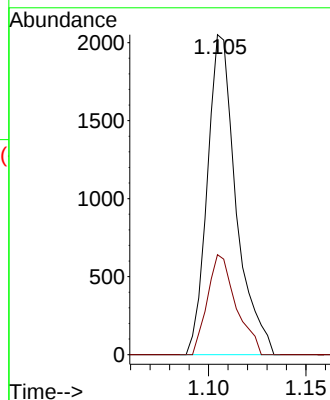
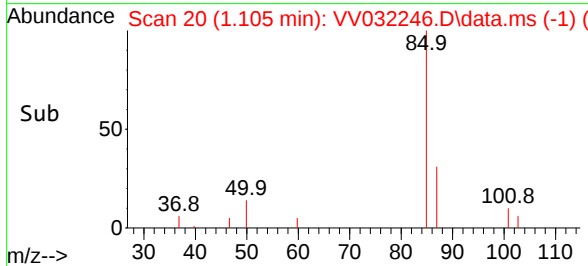
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 85 Resp: 210
Ion Ratio Lower Upper
85 100
87 31.0 25.5 38.3

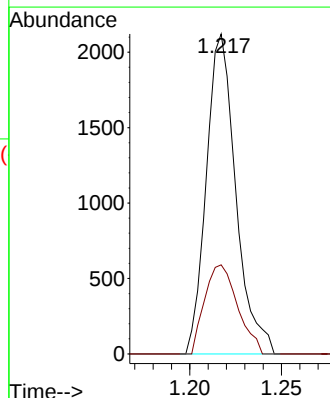
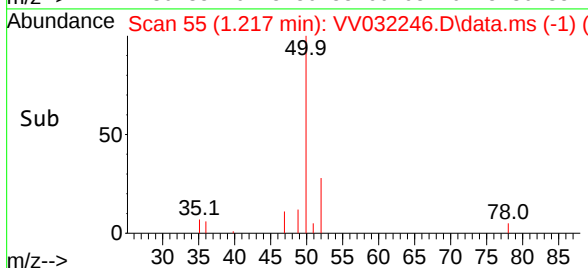
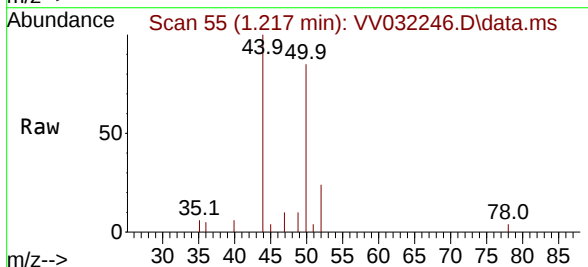
Manual Integrations
APPROVED

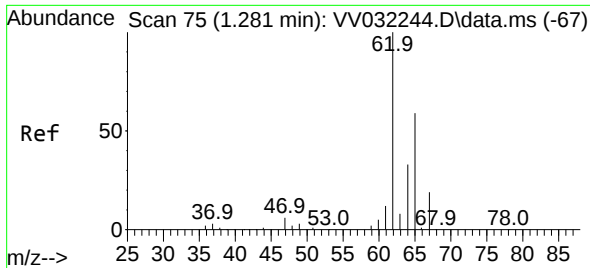
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#3
Chloromethane
Concen: 0.220 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

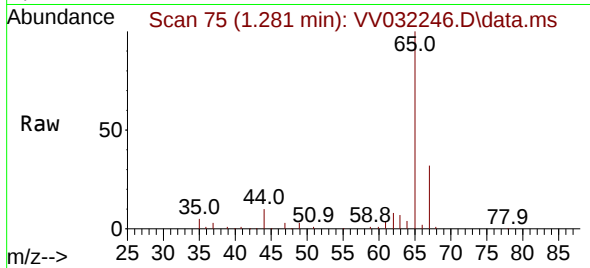
Tgt Ion: 50 Resp: 2374
Ion Ratio Lower Upper
50 100
52 27.9 23.0 42.6





#5
 Vinyl chloride
 Concen: 0.207 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032246.D
 Acq: 05 Oct 2023 11:19

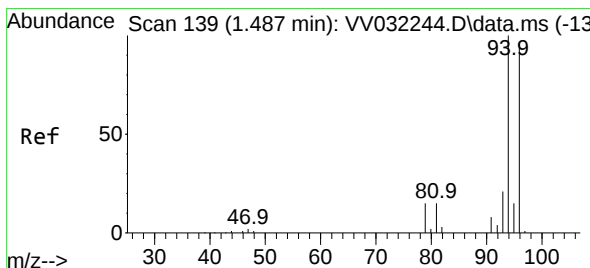
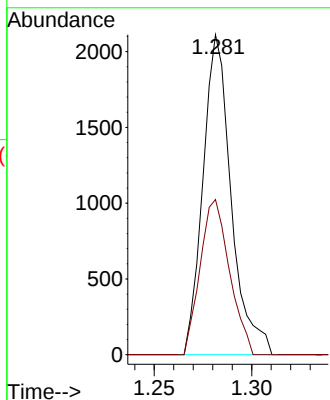
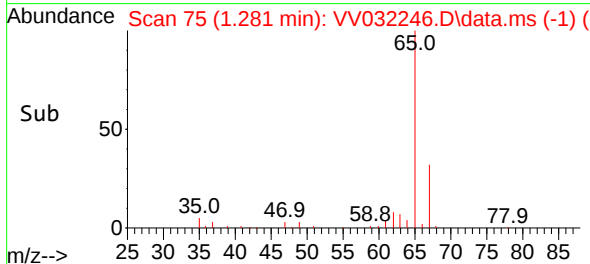
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-08



Tgt Ion: 62 Resp: 2124
 Ion Ratio Lower Upper
 62 100
 64 48.5 23.1 42.9

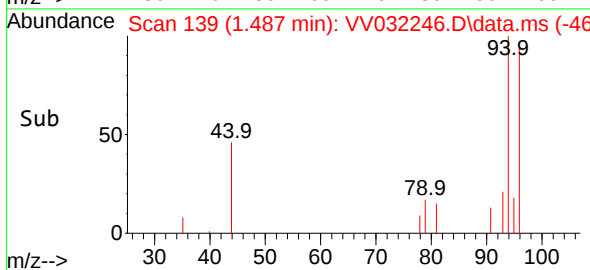
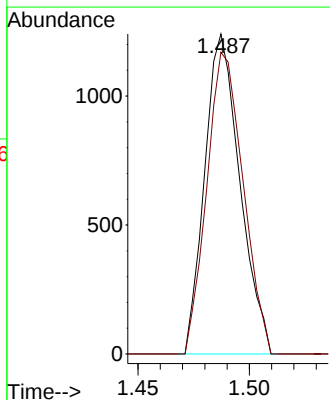
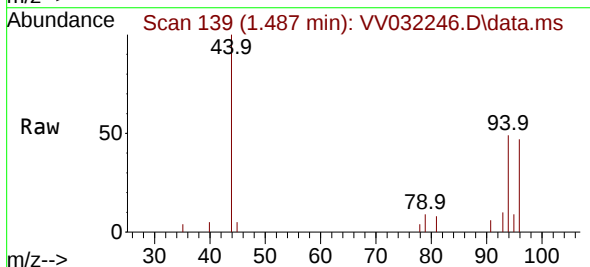
Manual Integrations
 APPROVED

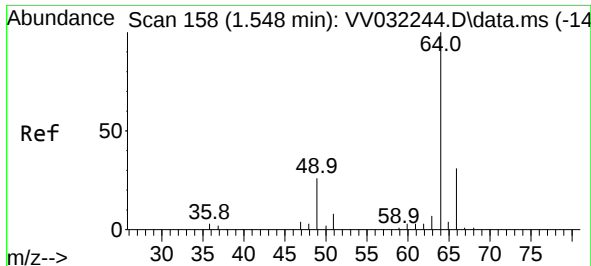
Reviewed By :John Carlone 10/06/2023
 Supervised By :Mahesh Dadoda 10/06/2023



#6
 Bromomethane
 Concen: 0.219 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032246.D
 Acq: 05 Oct 2023 11:19

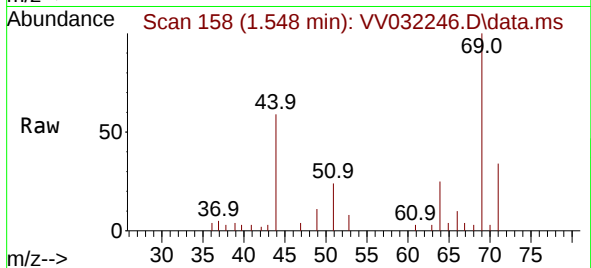
Tgt Ion: 94 Resp: 1362
 Ion Ratio Lower Upper
 94 100
 96 94.3 66.8 124.2





#8
Chloroethane
Concen: 0.202 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

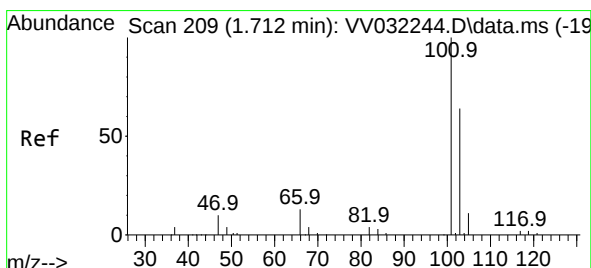
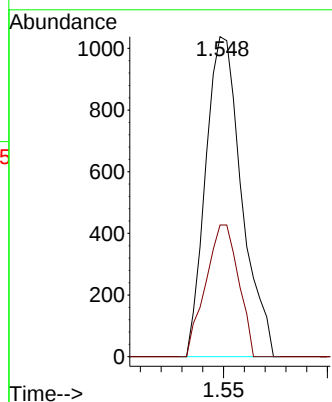
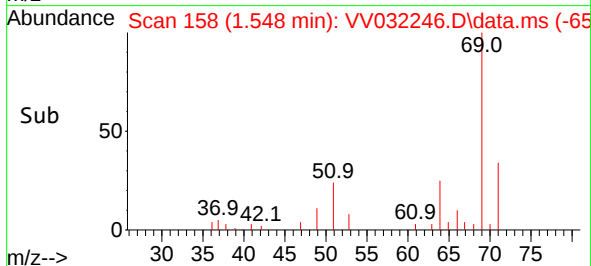
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



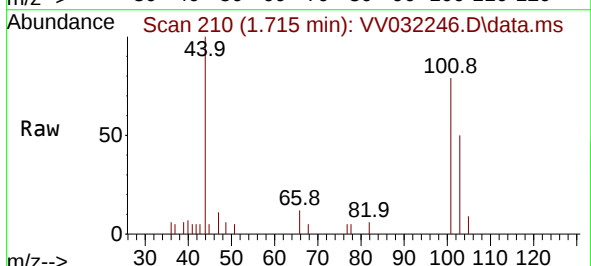
Tgt Ion: 64 Resp: 1249
Ion Ratio Lower Upper
64 100
66 41.1 22.6 42.0

Manual Integrations
APPROVED

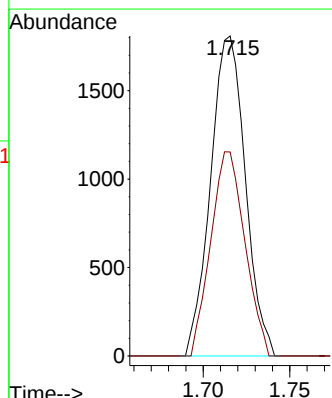
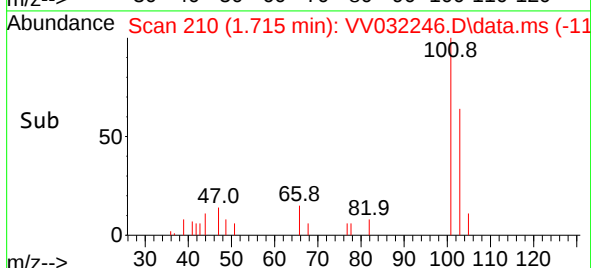
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023

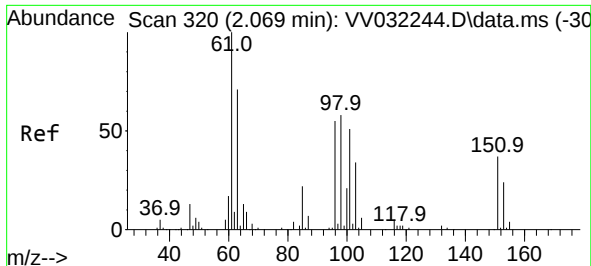


#9
Trichlorofluoromethane
Concen: 0.205 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19



Tgt Ion:101 Resp: 2527
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2





#10

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

Concen: 0.255 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

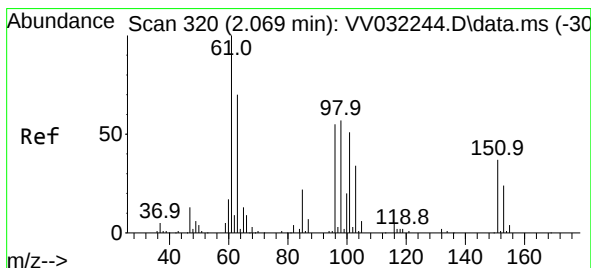
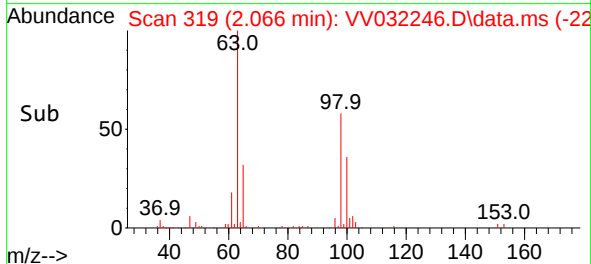
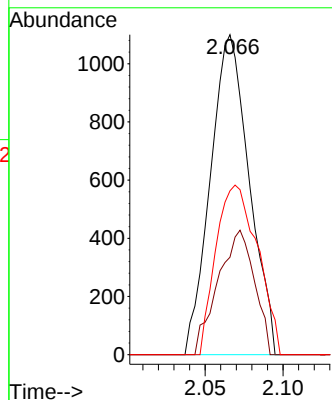
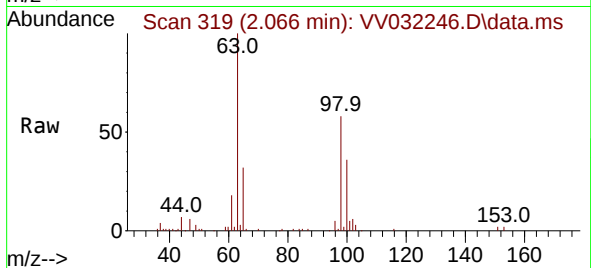
Tgt Ion:101	Resp:	1900
Ion Ratio	Lower	Upper
101	100	
85	36.4	35.0 52.6
151	56.8	56.6 84.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#12

1,1-Dichloroethene

Concen: 0.249 ug/L

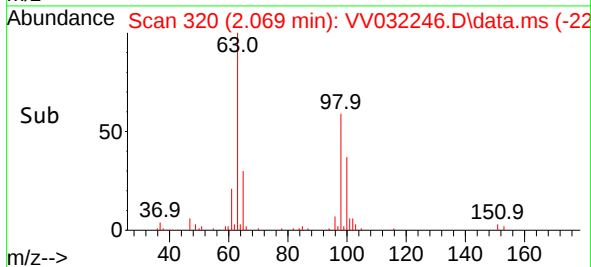
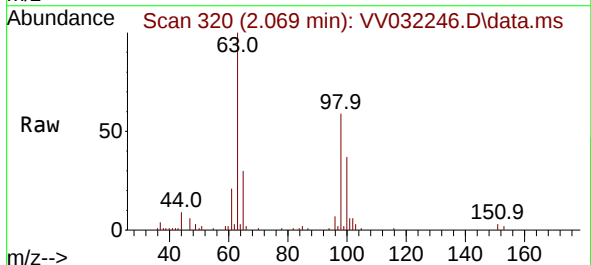
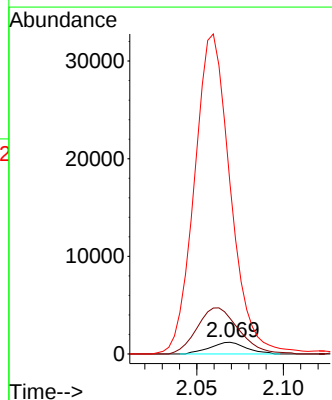
RT: 2.069 min Scan# 320

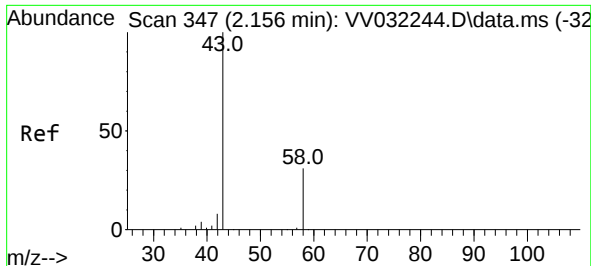
Delta R.T. 0.000 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Tgt Ion: 96	Resp:	1755
Ion Ratio	Lower	Upper
96	100	
61	302.7	127.3 236.3#
63	1448.8	98.3 182.7#





#13

Acetone

Concen: 1.931 ug/L m

RT: 2.140 min Scan# 347

Delta R.T. -0.016 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

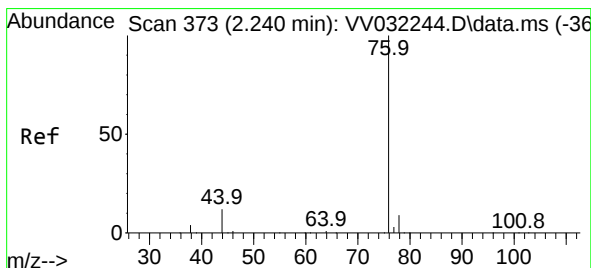
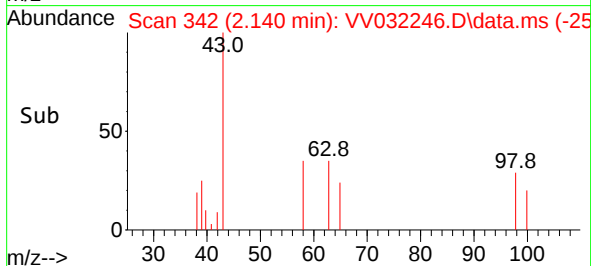
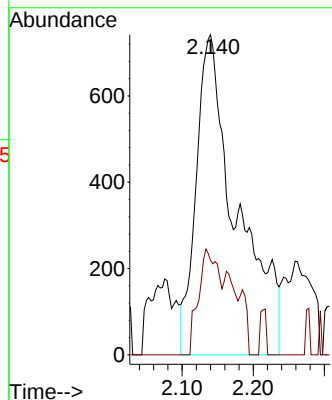
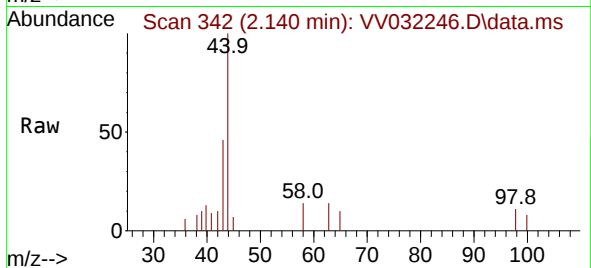
MDL-WATER-QT4-2023-08

Tgt Ion: 43 Resp: 2938
 Ion Ratio Lower Upper
 43 100
 58 2.7 0.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023
 Supervised By :Mahesh Dadoda 10/06/2023



#14

Carbon disulfide

Concen: 0.181 ug/L

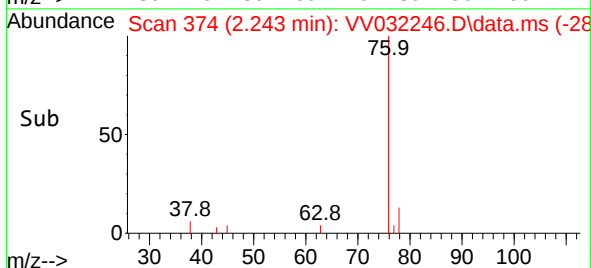
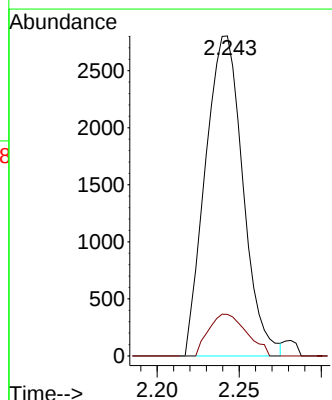
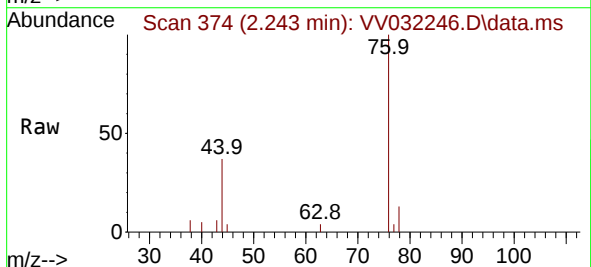
RT: 2.243 min Scan# 374

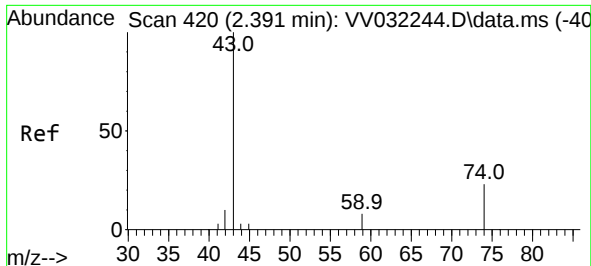
Delta R.T. 0.003 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Tgt Ion: 76 Resp: 4462
 Ion Ratio Lower Upper
 76 100
 78 13.0 7.4 11.2#





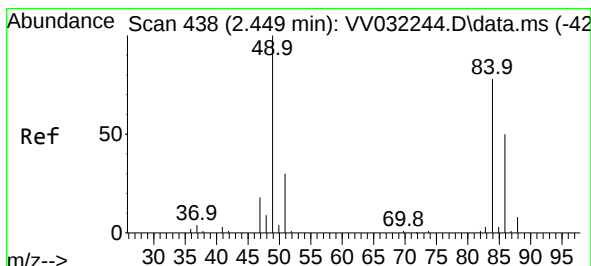
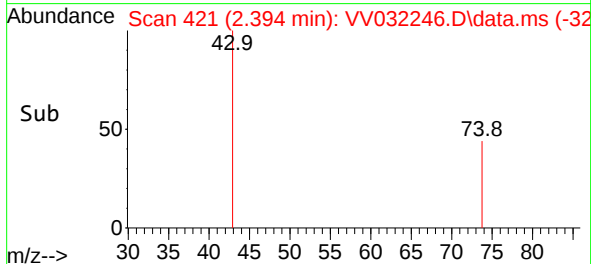
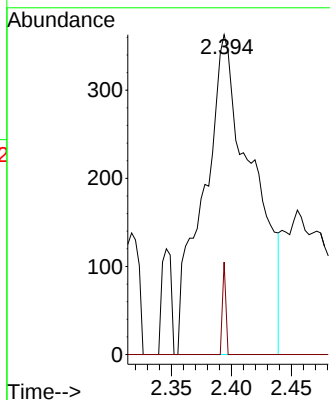
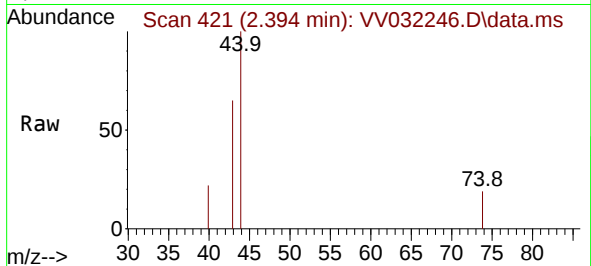
#15
Methyl Acetate
Concen: 0.302 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
74 1.9 18.0 27.0

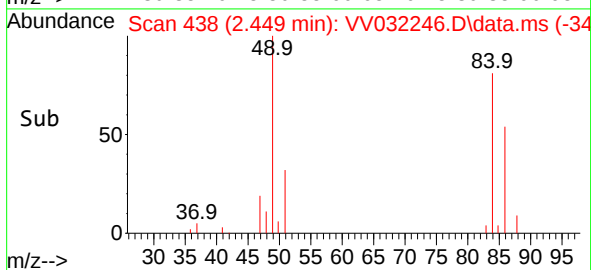
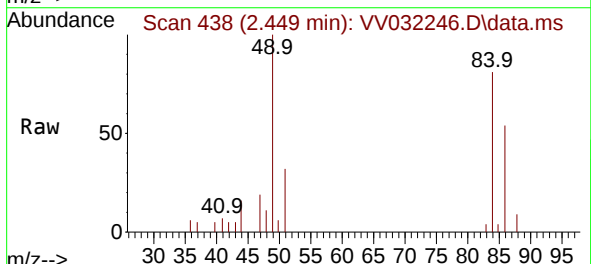
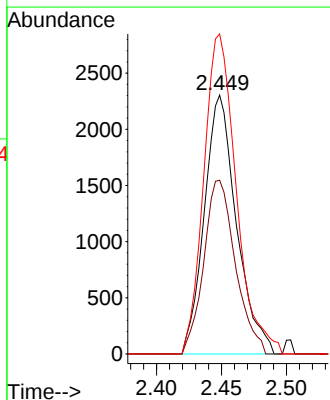
Manual Integrations
APPROVED

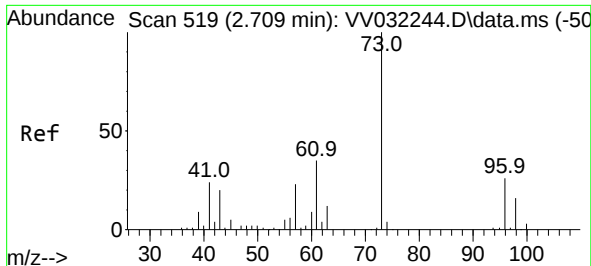
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#16
Methylene chloride
Concen: 0.432 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion: 84 Resp: 3968
Ion Ratio Lower Upper
84 100
86 67.1 43.2 80.2
49 131.1 86.3 160.3





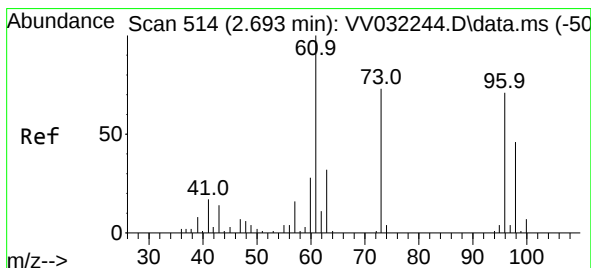
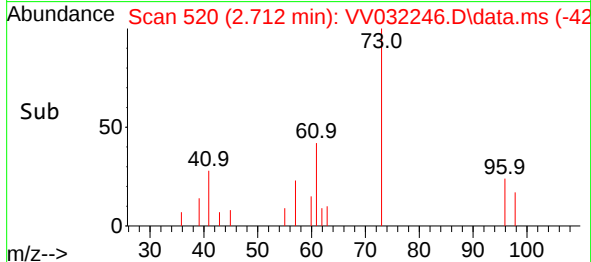
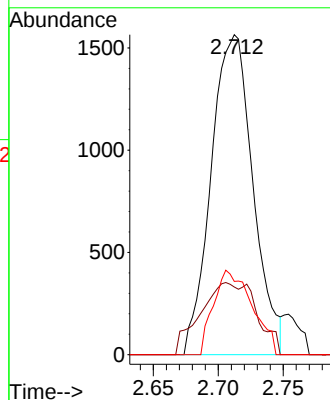
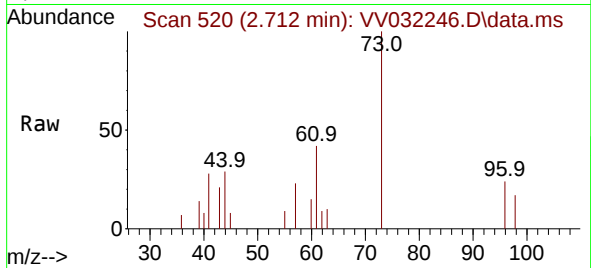
#17
Methyl tert-butyl Ether
Concen: 0.183 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion: 73 Resp: 351
Ion Ratio Lower Upper
73 100
43 20.3 15.1 22.7
57 24.3 18.3 27.5

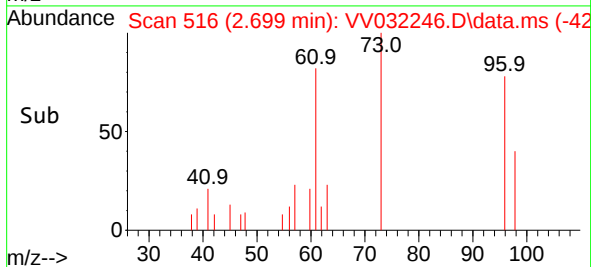
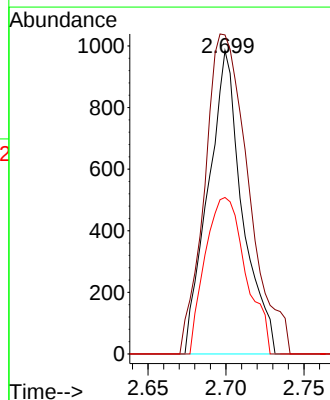
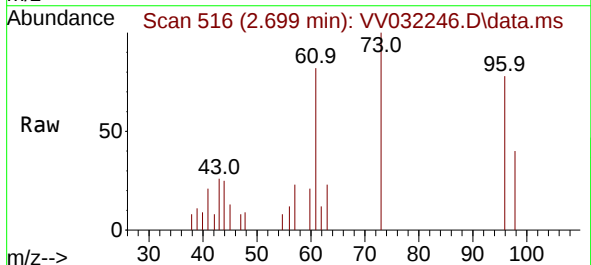
Manual Integrations
APPROVED

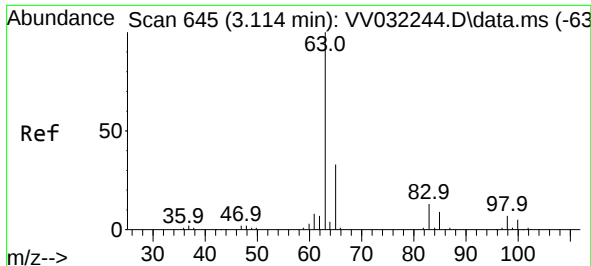
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#18
trans-1,2-Dichloroethene
Concen: 0.187 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion: 96 Resp: 1506
Ion Ratio Lower Upper
96 100
61 105.2 96.9 180.1
98 51.6 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.192 ug/L

RT: 3.124 min Scan# 645

Delta R.T. 0.010 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 63 Resp: 2905

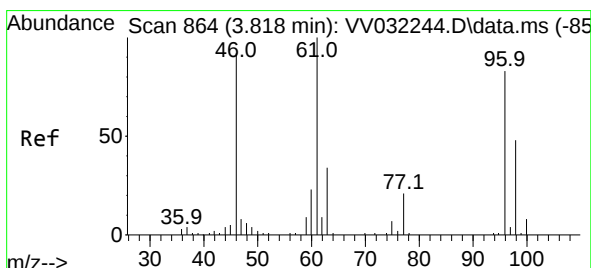
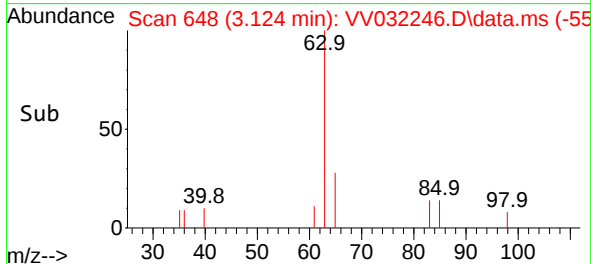
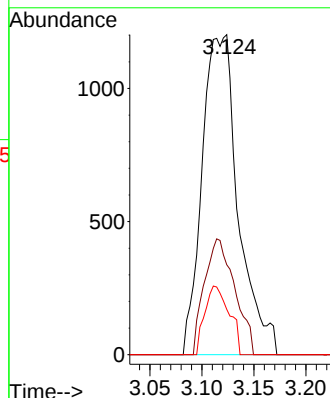
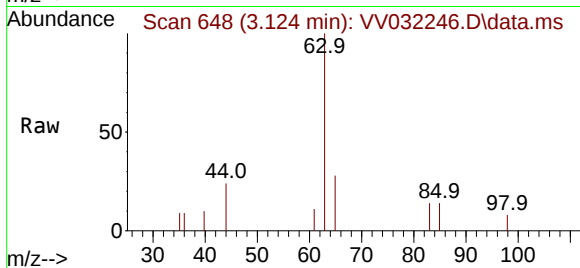
Ion	Ratio	Lower	Upper
63	100		
65	28.1	22.3	41.5
83	14.1	9.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#22

cis-1,2-Dichloroethene

Concen: 0.173 ug/L

RT: 3.825 min Scan# 866

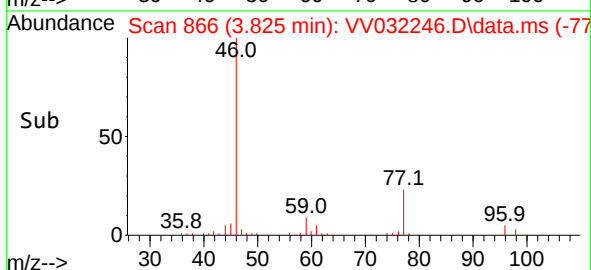
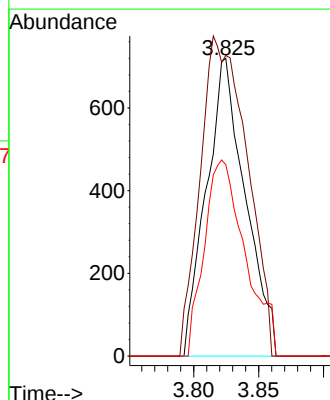
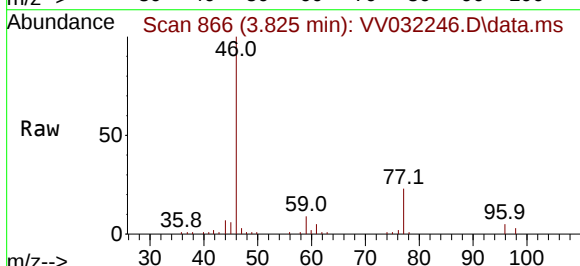
Delta R.T. 0.006 min

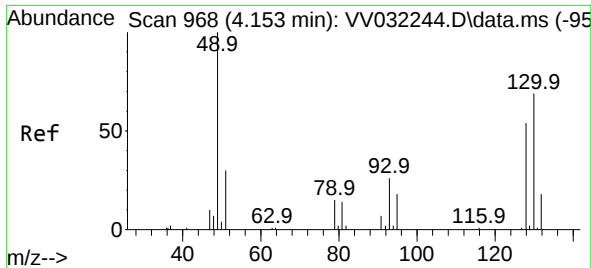
Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Tgt Ion: 96 Resp: 1505

Ion	Ratio	Lower	Upper
96	100		
61	101.0	85.8	159.4
98	64.3	44.0	81.6





#23

Bromochloromethane

Concen: 0.173 ug/L

RT: 4.169 min Scan# 91

Delta R.T. 0.016 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

49 134.5 121.2 225.0

130 88.1 88.2 163.8

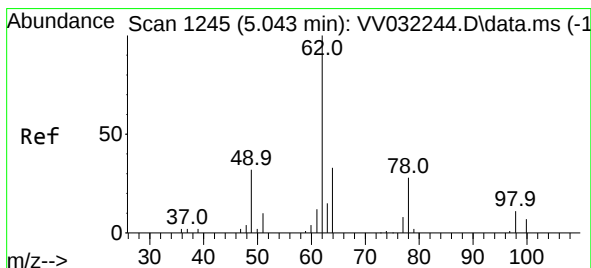
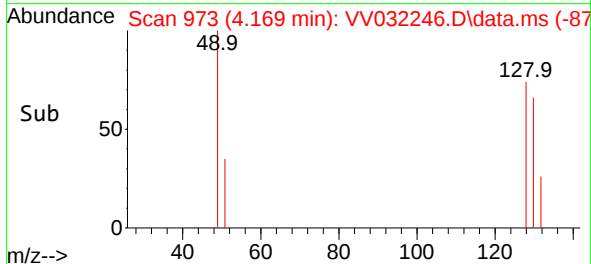
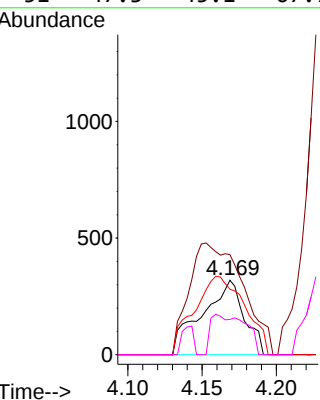
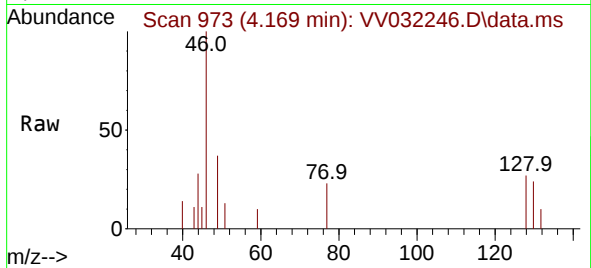
51 47.3 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#27

1,2-Dichloroethane

Concen: 0.219 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.019 min

Lab File: VV032246.D

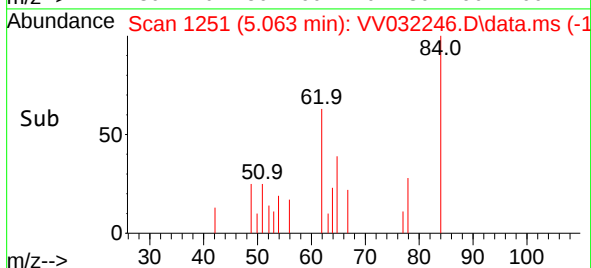
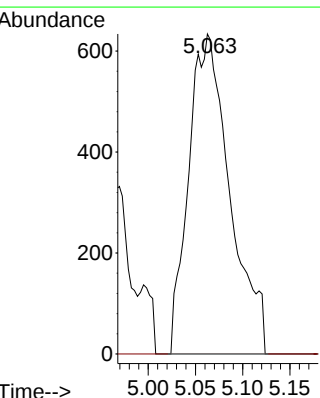
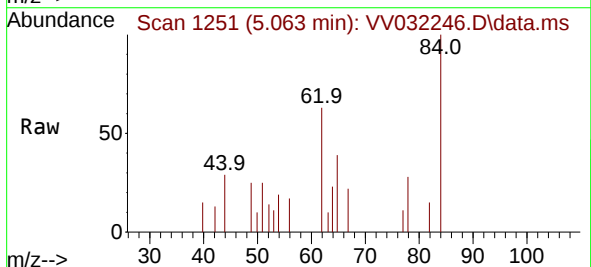
Acq: 05 Oct 2023 11:19

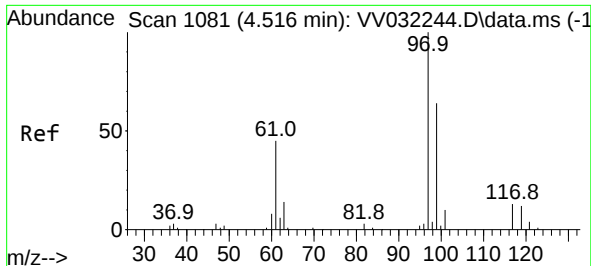
Tgt Ion: 62 Resp: 1926

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.179 ug/L

RT: 4.519 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

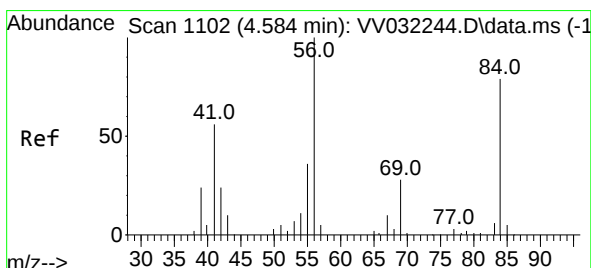
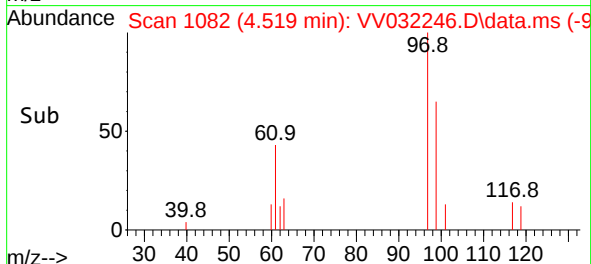
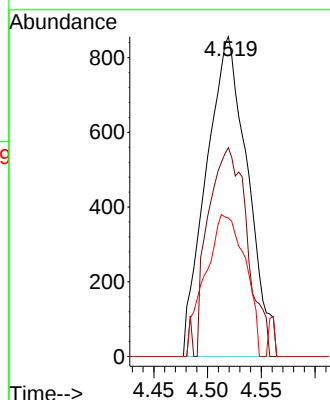
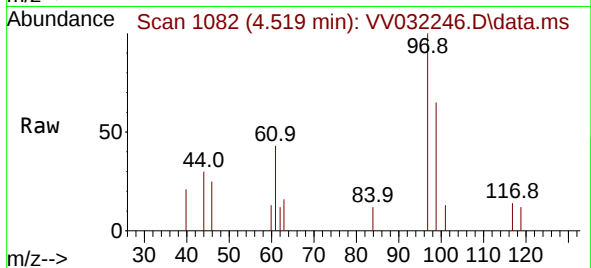
Tgt Ion:	97	Resp:	2284
Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.1	75.1
61	43.0	35.1	52.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#30

Cyclohexane

Concen: 0.161 ug/L m

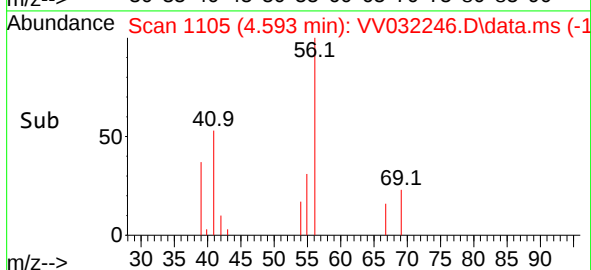
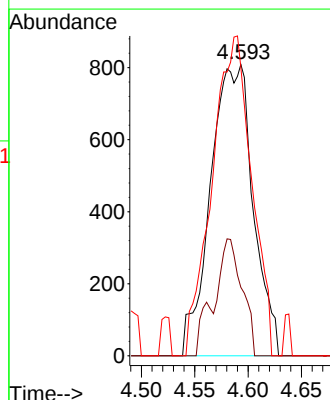
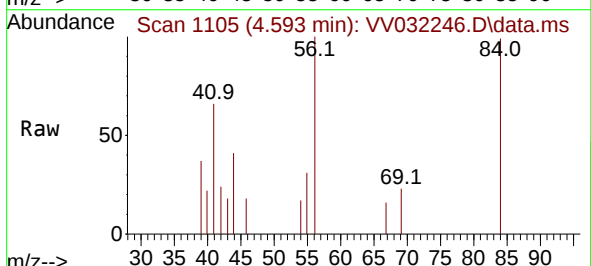
RT: 4.593 min Scan# 1105

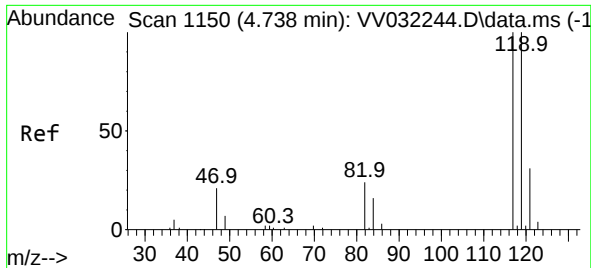
Delta R.T. 0.010 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

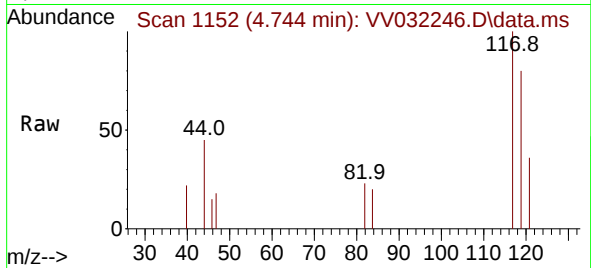
Tgt Ion:	56	Resp:	2254
Ion	Ratio	Lower	Upper
56	100		
69	21.0	24.2	36.2#
84	101.7	68.1	102.1





#31
Carbon tetrachloride
Concen: 0.166 ug/L m
RT: 4.744 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

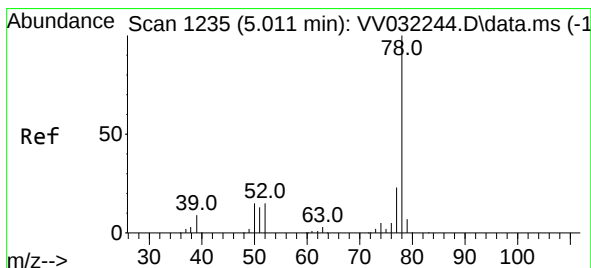
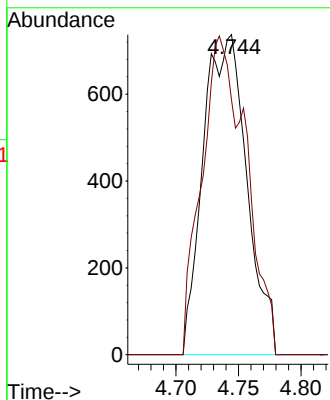
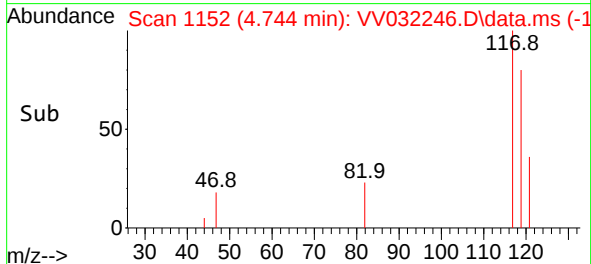
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion:117 Resp: 178
Ion Ratio Lower Upper
117 100
119 101.7 77.6 116.4

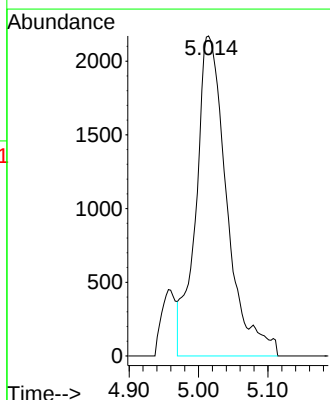
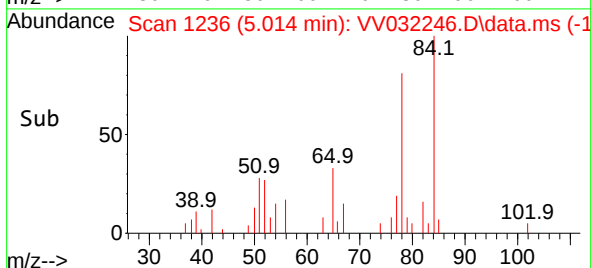
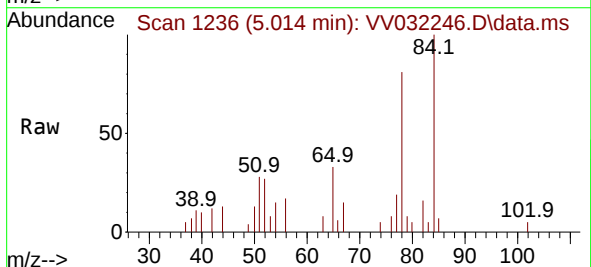
Manual Integrations
APPROVED

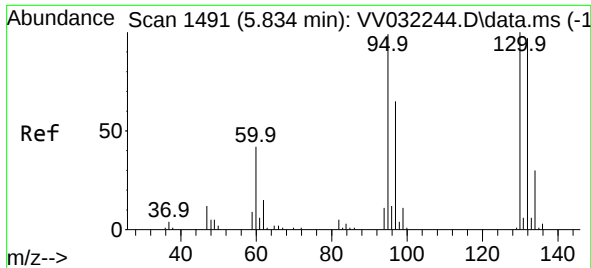
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#33
Benzene
Concen: 0.204 ug/L m
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

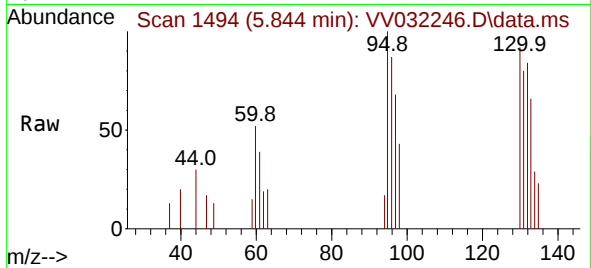
Tgt Ion: 78 Resp: 6707





#34
Trichloroethene
Concen: 0.199 ug/L
RT: 5.844 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

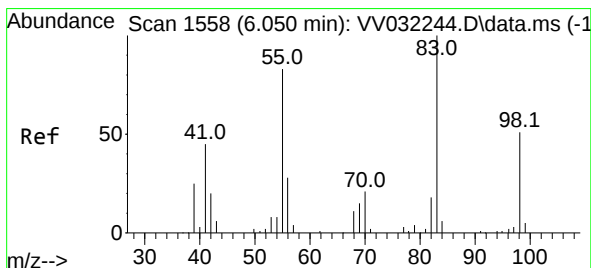
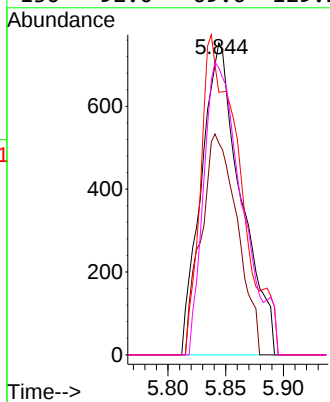
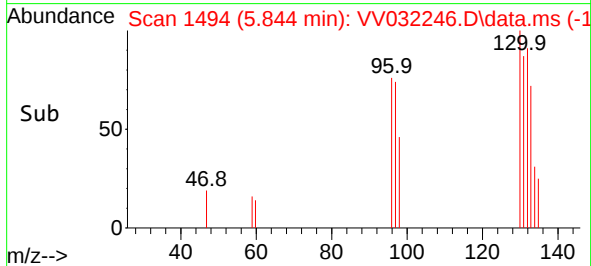
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 95 Resp: 179
Ion Ratio Lower Upper
95 100
97 67.9 45.7 84.9
132 84.2 70.3 130.5
130 92.0 69.6 129.2

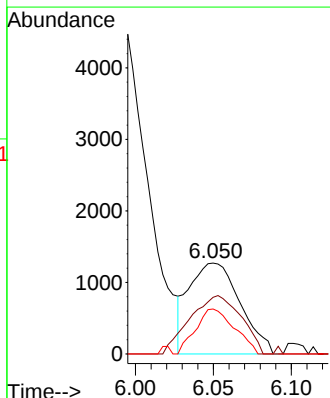
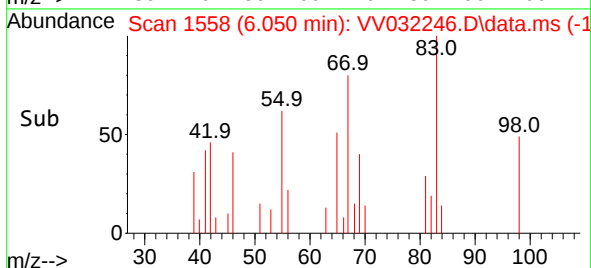
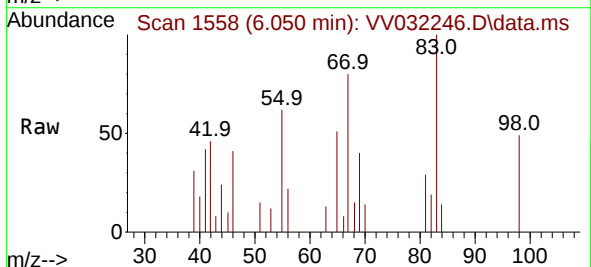
Manual Integrations
APPROVED

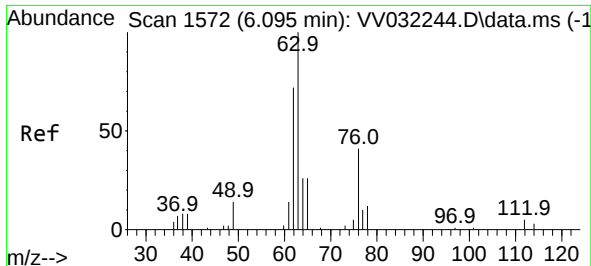
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#35
Methylcyclohexane
Concen: 0.208 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion: 83 Resp: 2892
Ion Ratio Lower Upper
83 100
55 64.6 64.2 96.2
98 37.6 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.211 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 63 Resp: 186

Ion Ratio Lower Upper

63 100

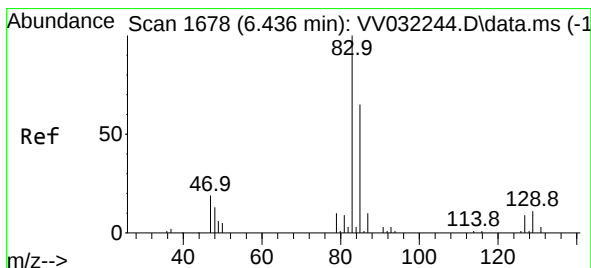
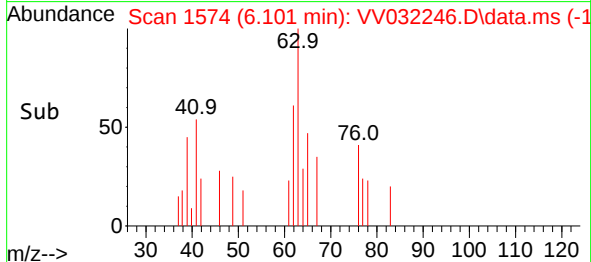
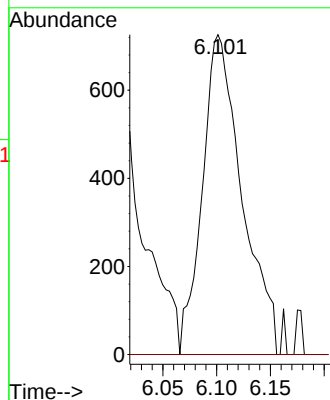
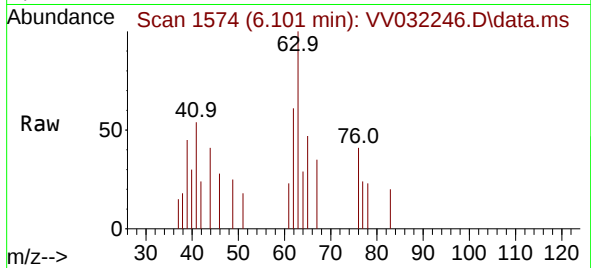
112 0.0 3.4 5.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#38

Bromodichloromethane

Concen: 0.165 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.010 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

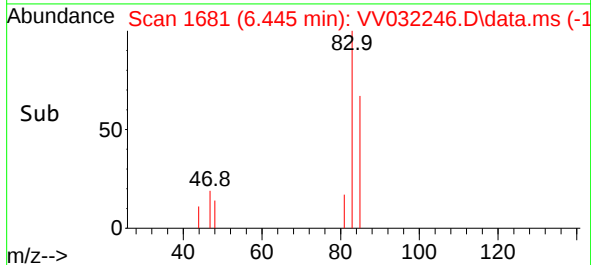
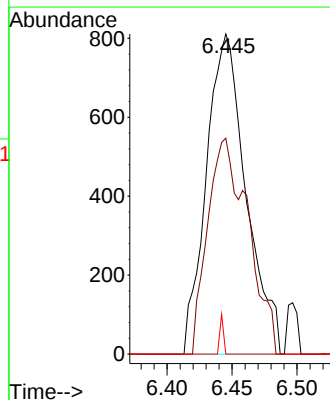
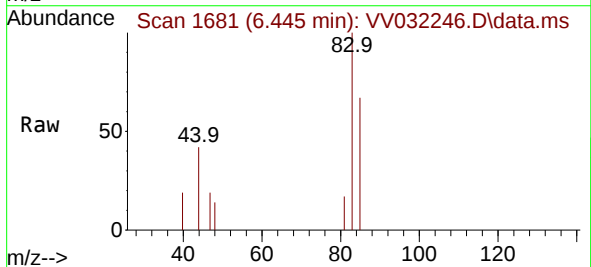
Tgt Ion: 83 Resp: 1727

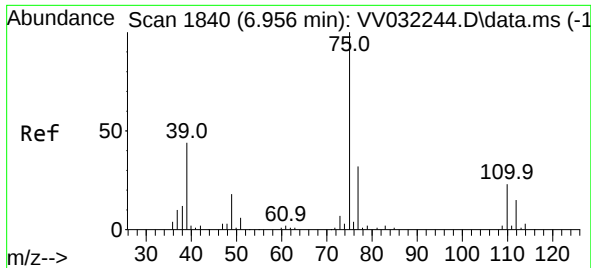
Ion Ratio Lower Upper

83 100

85 67.4 44.9 83.3

127 0.0 6.9 10.3





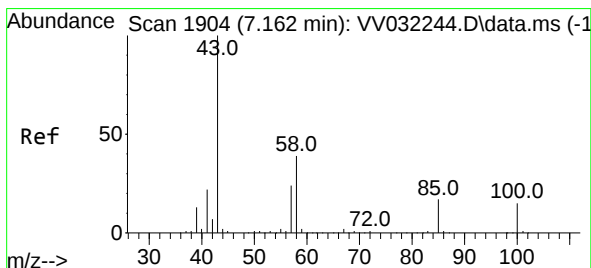
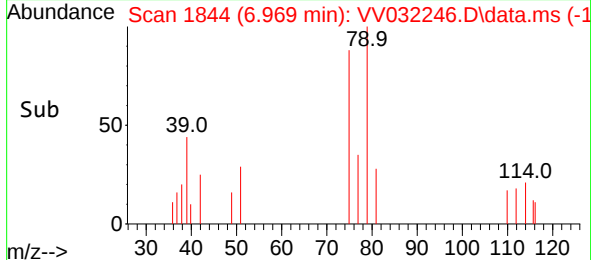
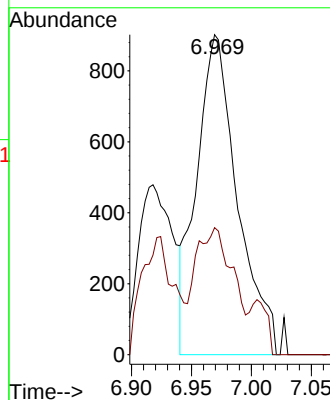
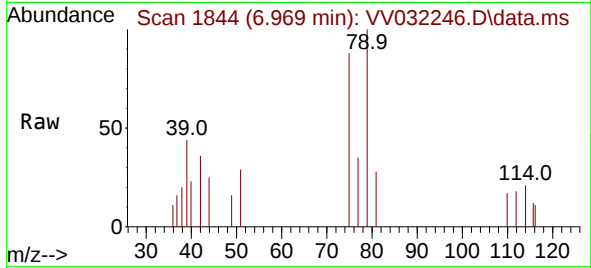
#39
cis-1,3-Dichloropropene
Concen: 0.171 ug/L
RT: 6.969 min Scan# 1840
Delta R.T. 0.013 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion: 75 Resp: 2140
Ion Ratio Lower Upper
75 100
77 39.7 22.2 41.2

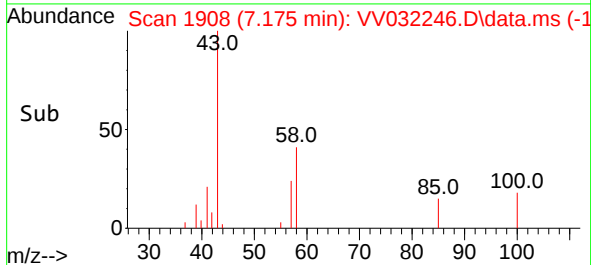
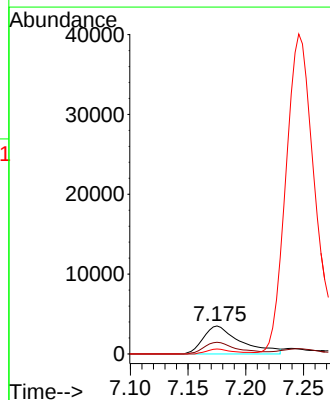
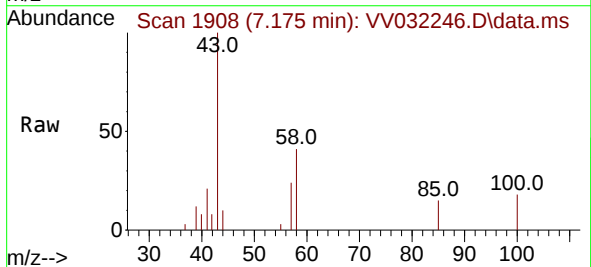
Manual Integrations
APPROVED

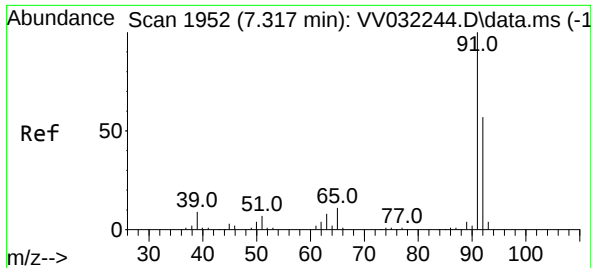
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#40
4-Methyl-2-pentanone
Concen: 1.415 ug/L
RT: 7.175 min Scan# 1908
Delta R.T. 0.013 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

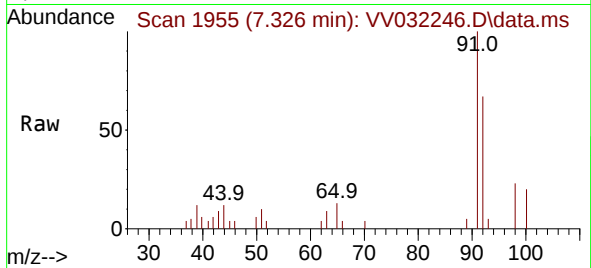
Tgt Ion: 43 Resp: 7893
Ion Ratio Lower Upper
43 100
58 36.9 31.9 47.9
100 0.0 11.3 16.9





#42
Toluene
Concen: 0.173 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

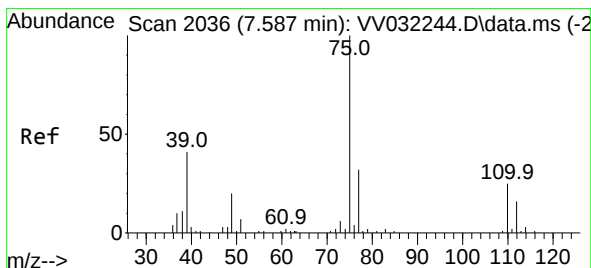
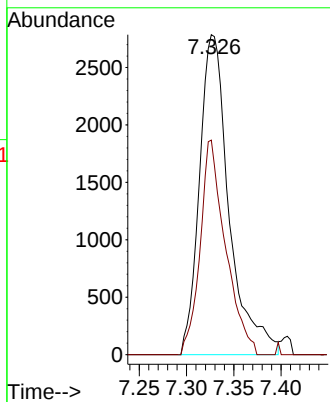
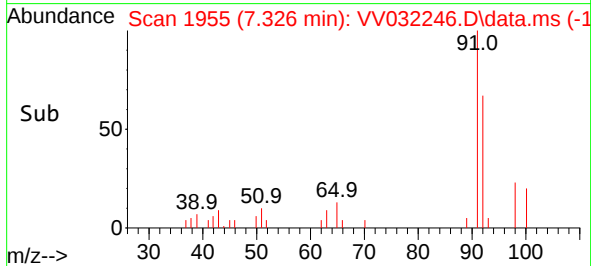
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



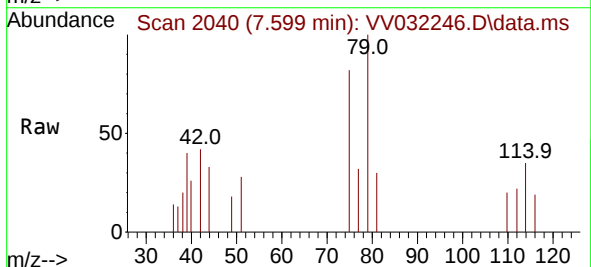
Tgt Ion: 91 Resp: 6070
Ion Ratio Lower Upper
91 100
92 67.0 40.8 75.8

Manual Integrations
APPROVED

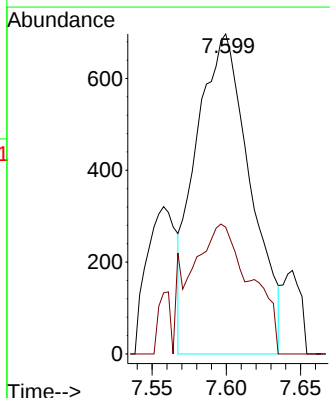
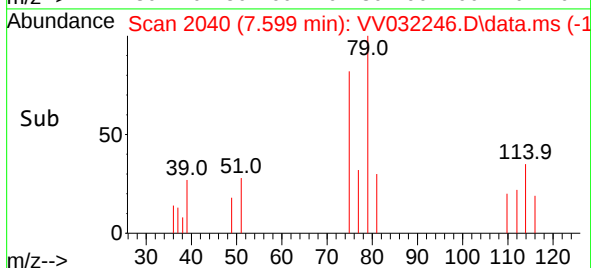
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023

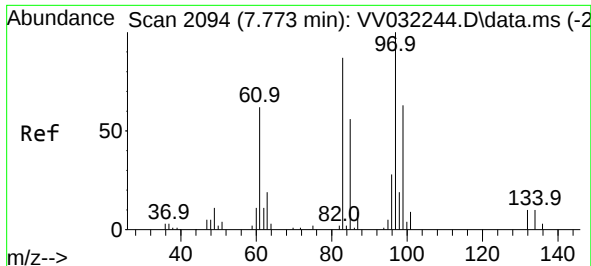


#44
trans-1,3-Dichloropropene
Concen: 0.173 ug/L
RT: 7.599 min Scan# 2040
Delta R.T. 0.013 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19



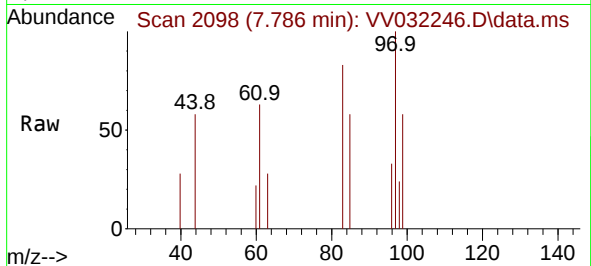
Tgt Ion: 75 Resp: 1778
Ion Ratio Lower Upper
75 100
77 39.6 22.5 41.7





#45
1,1,2-Trichloroethane
Concen: 0.160 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. 0.013 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

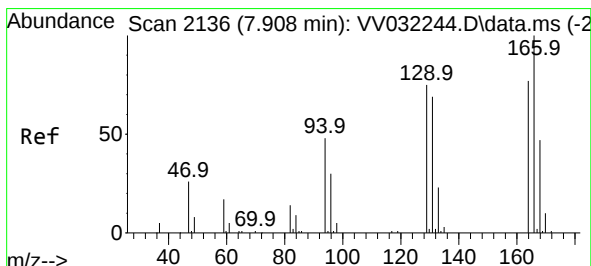
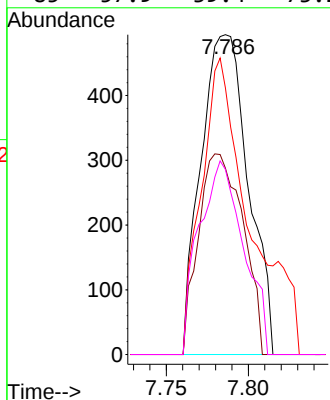
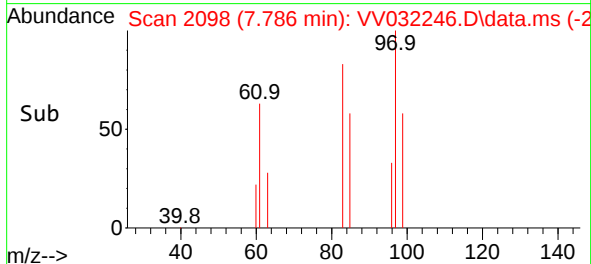


Tgt Ion: 97 Resp: 992

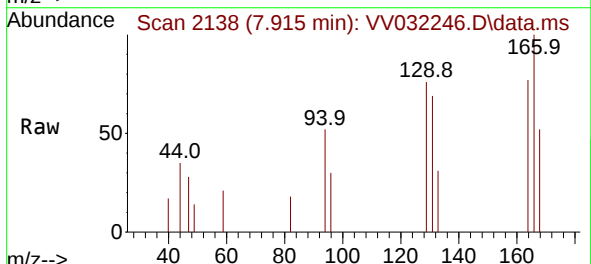
Ion	Ratio	Lower	Upper
97	100		
99	58.3	42.8	79.4
83	83.4	60.9	113.1
85	57.9	39.4	73.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023

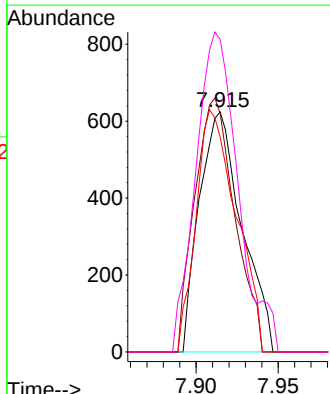
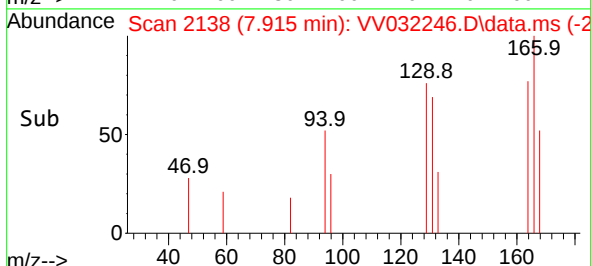


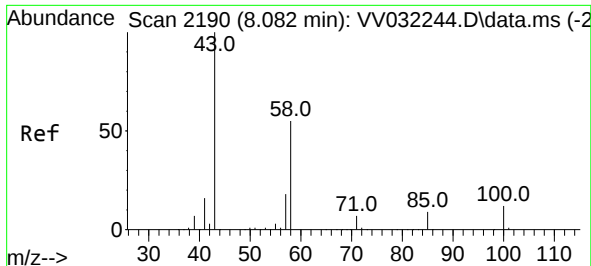
#47
Tetrachloroethene
Concen: 0.165 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19



Tgt Ion:164 Resp: 1125

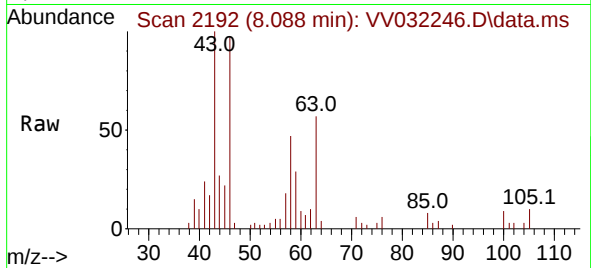
Ion	Ratio	Lower	Upper
164	100		
129	99.5	66.4	123.4
131	89.6	63.7	118.3
166	130.3	87.9	163.3





#48
2-Hexanone
Concen: 3.854 ug/L m
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

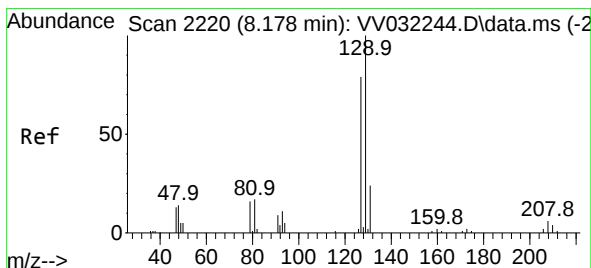
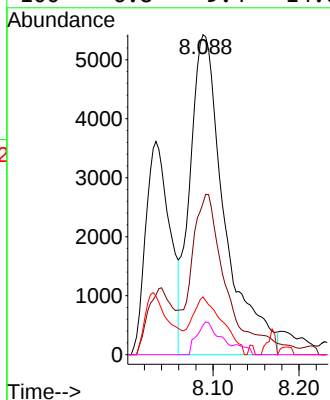
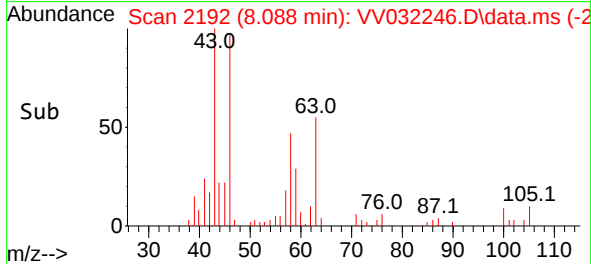
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 43 Resp: 15164
Ion Ratio Lower Upper
43 100
58 50.4 43.6 65.4
57 15.9 14.6 22.0
100 6.8 9.4 14.0#

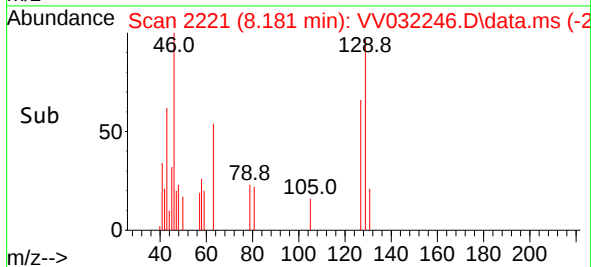
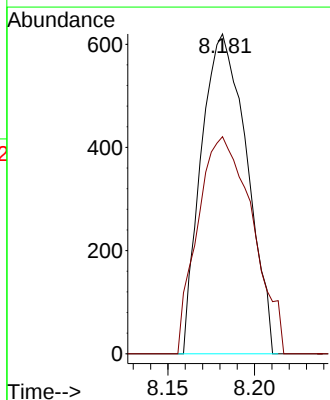
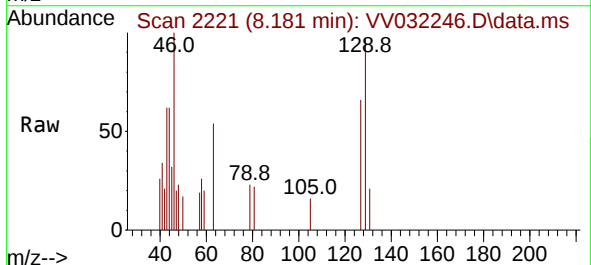
Manual Integrations
APPROVED

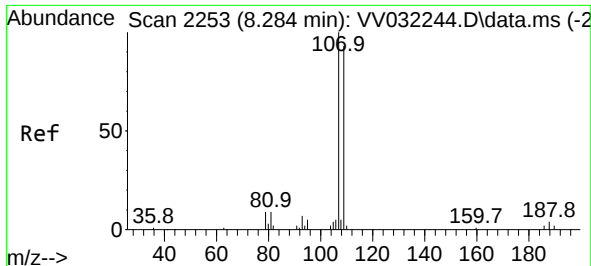
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#49
Dibromochloromethane
Concen: 0.175 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion:129 Resp: 1132
Ion Ratio Lower Upper
129 100
127 67.9 57.2 106.2





#50

1,2-Dibromoethane

Concen: 0.169 ug/L

RT: 8.291 min Scan# 2421

Delta R.T. 0.006 min

Lab File: VV032246.D

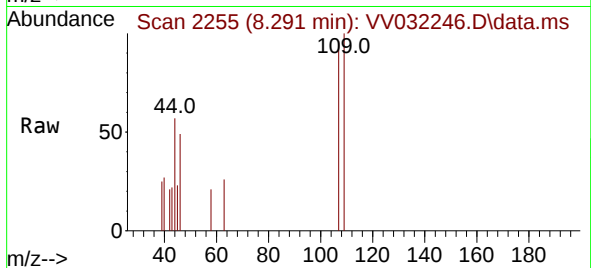
Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08



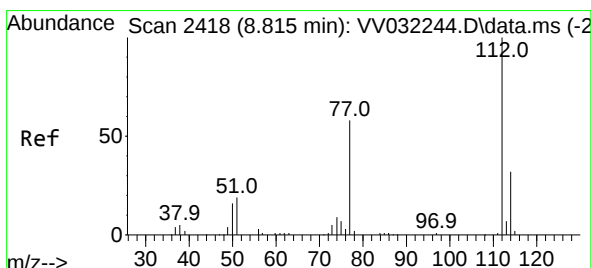
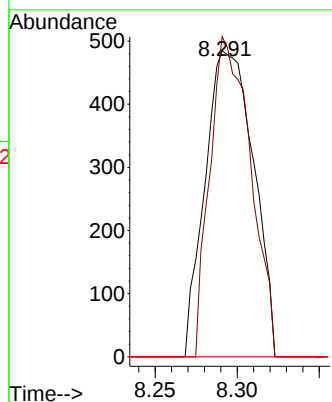
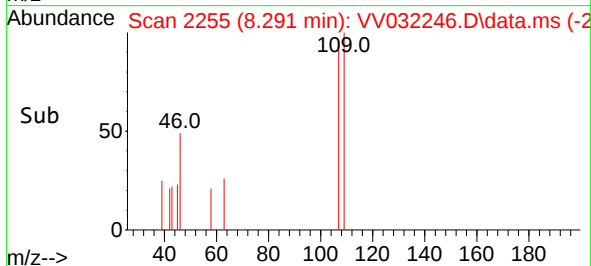
Tgt Ion:	107	Resp:	99
Ion	Ratio	Lower	Upper
107	100		
109	104.5	68.4	127.0
188	0.0	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#51

Chlorobenzene

Concen: 0.181 ug/L

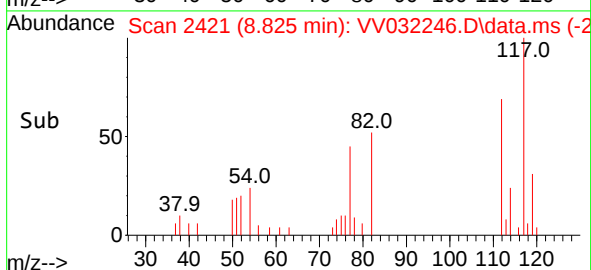
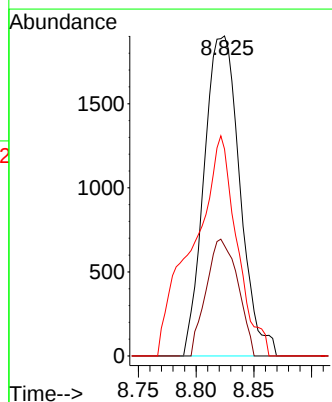
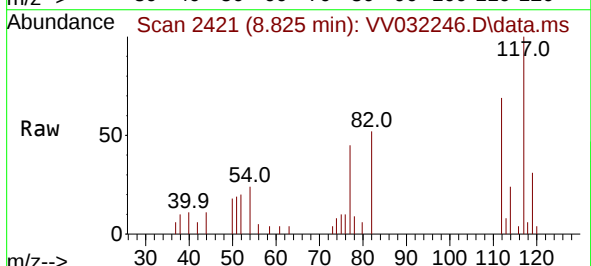
RT: 8.825 min Scan# 2421

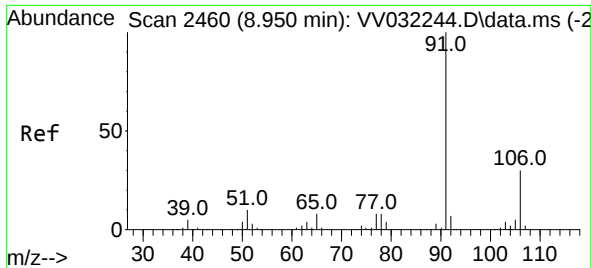
Delta R.T. 0.010 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Tgt Ion:	112	Resp:	4093
Ion	Ratio	Lower	Upper
112	100		
114	34.5	22.1	41.1
77	64.6	46.1	69.1





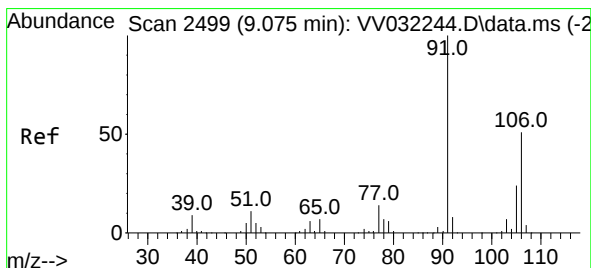
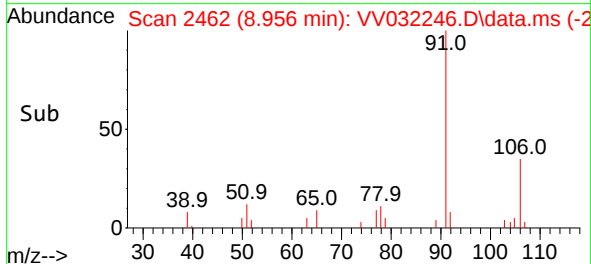
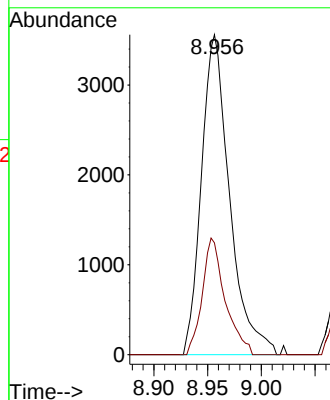
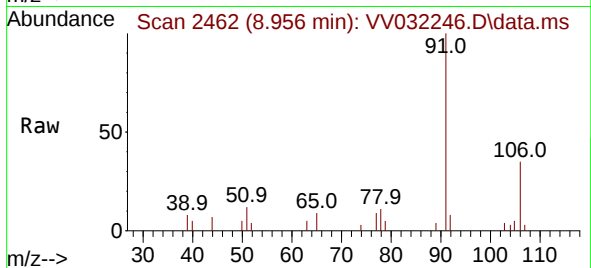
#52
Ethylbenzene
Concen: 0.166 ug/L
RT: 8.956 min Scan# 2460
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion: 91 Resp: 648
Ion Ratio Lower Upper
91 100
106 34.9 21.3 39.5

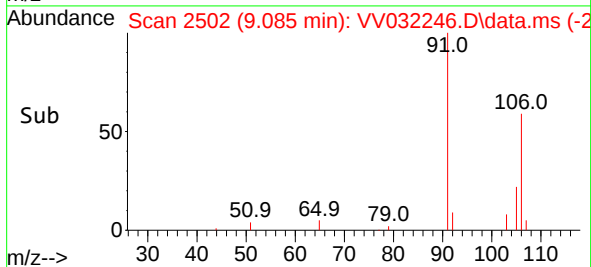
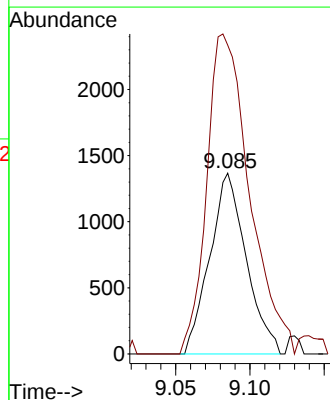
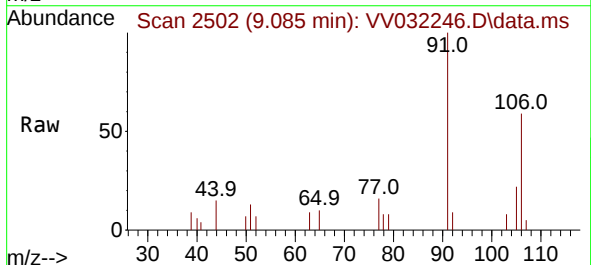
Manual Integrations
APPROVED

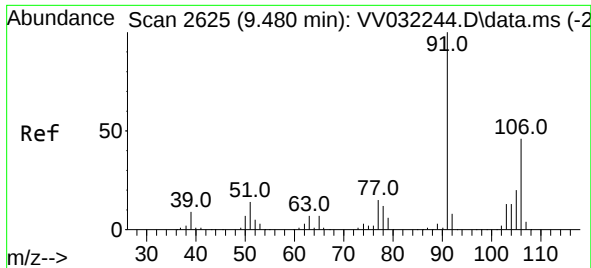
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#53
m,p-Xylene
Concen: 0.161 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion:106 Resp: 2334
Ion Ratio Lower Upper
106 100
91 170.8 144.5 268.3





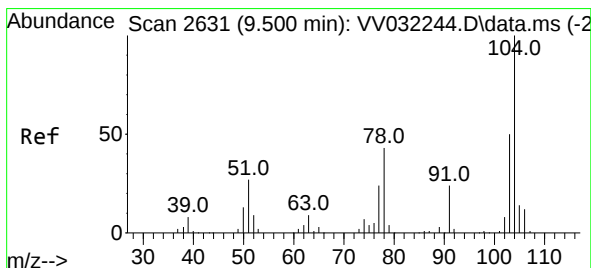
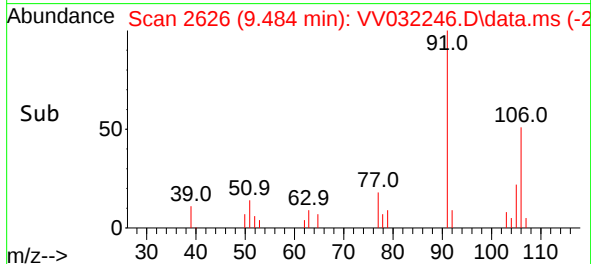
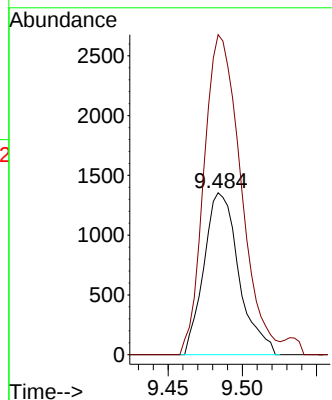
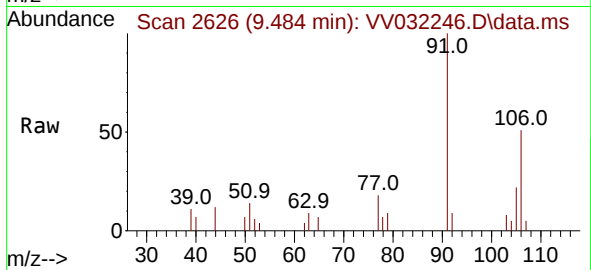
#54
o-Xylene
Concen: 0.159 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion:106 Resp: 221
Ion Ratio Lower Upper
106 100
91 197.6 154.8 287.4

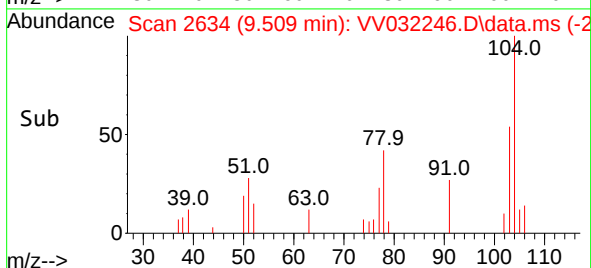
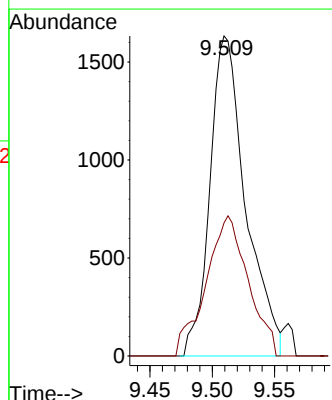
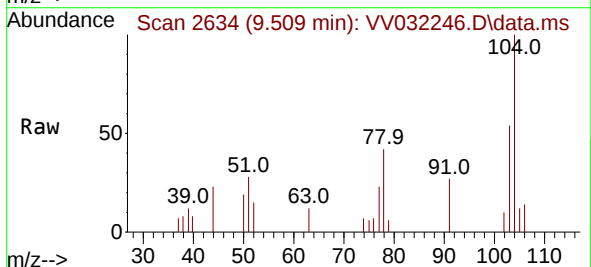
Manual Integrations
APPROVED

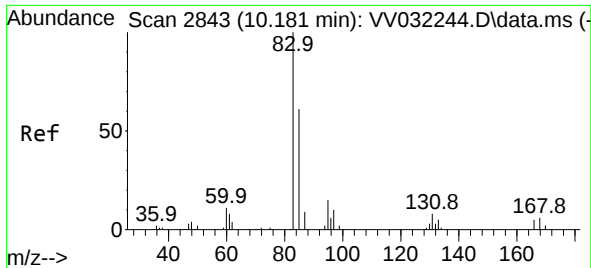
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#55
Styrene
Concen: 0.138 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

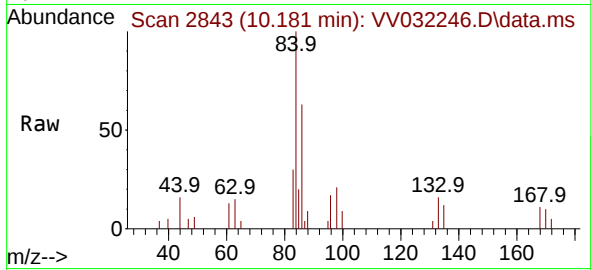
Tgt Ion:104 Resp: 3268
Ion Ratio Lower Upper
104 100
78 41.6 29.9 55.5





#57
1,1,2,2-Tetrachloroethane
Concen: 0.211 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

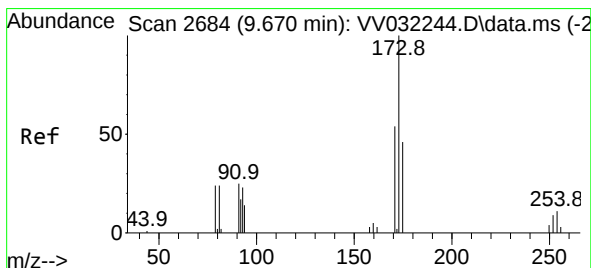
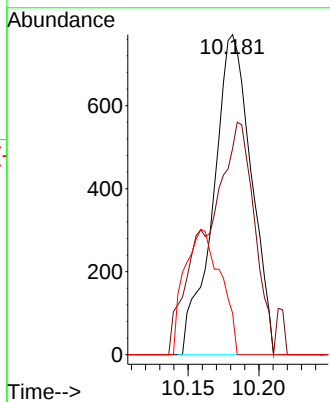
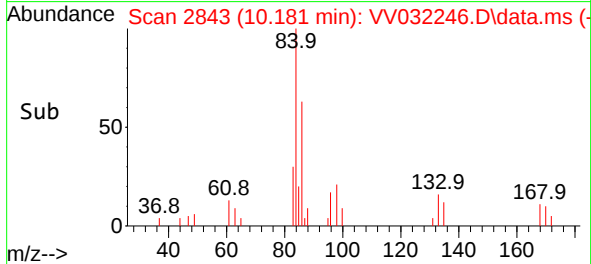
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion: 83 Resp: 1440
Ion Ratio Lower Upper
83 100
85 64.5 43.6 81.0
131 13.0 7.0 10.6

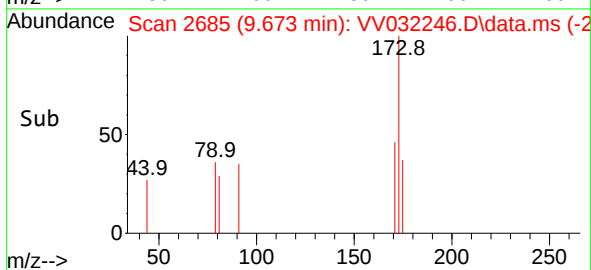
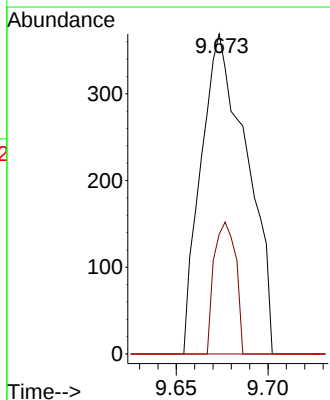
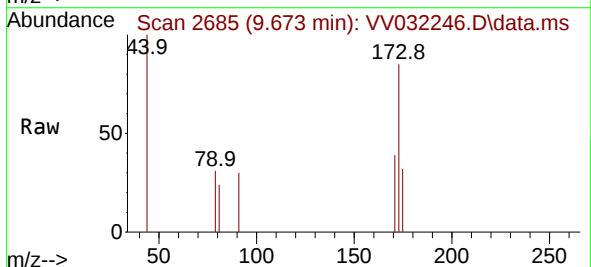
Manual Integrations
APPROVED

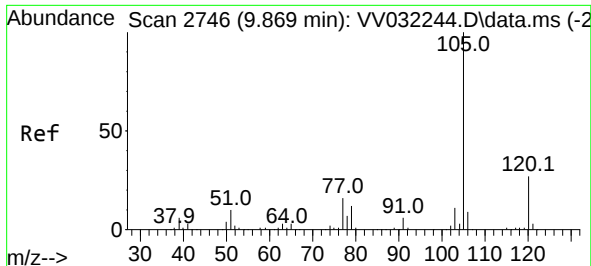
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#59
Bromoform
Concen: 0.200 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

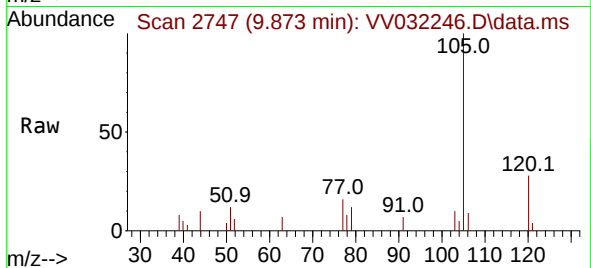
Tgt Ion:173 Resp: 641
Ion Ratio Lower Upper
173 100
175 19.3 38.2 57.2#
254 0.0 7.0 10.4#





#60
Isopropylbenzene
Concen: 0.170 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

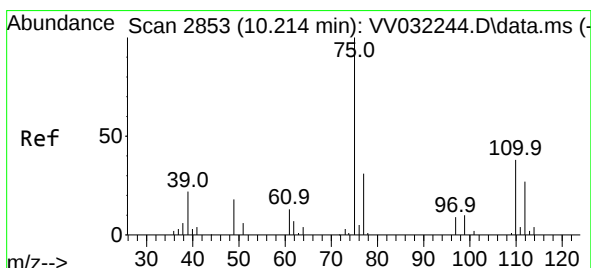
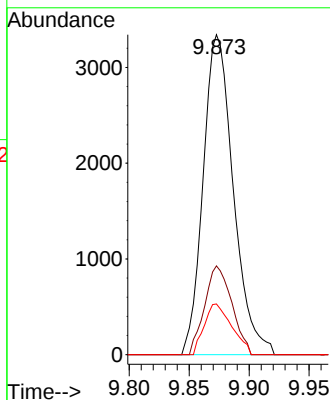
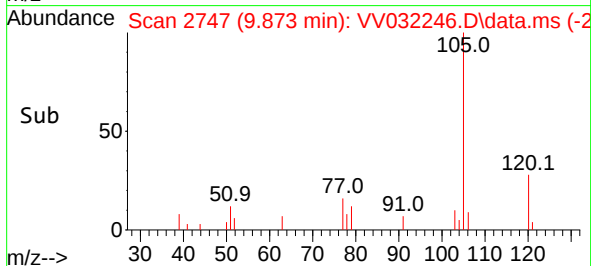
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:105 Resp: 5850
Ion Ratio Lower Upper
105 100
120 25.0 21.0 31.6
77 14.4 12.6 19.0

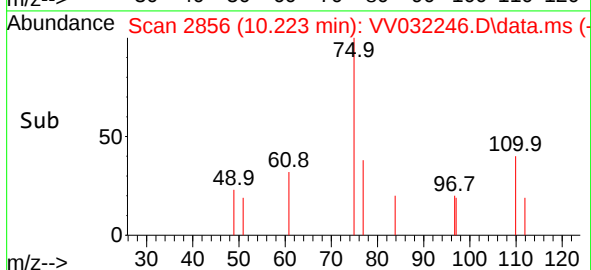
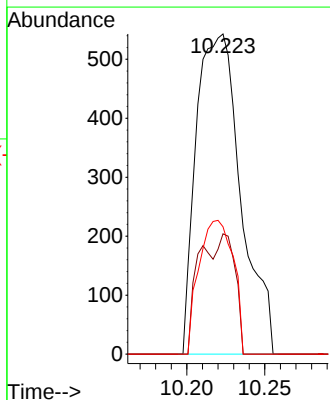
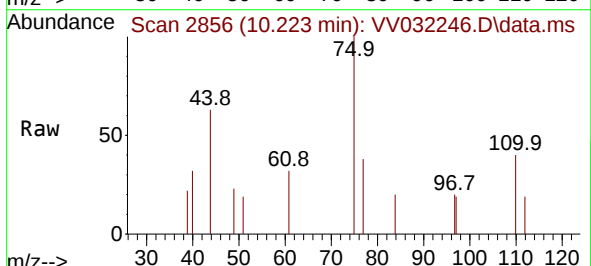
Manual Integrations
APPROVED

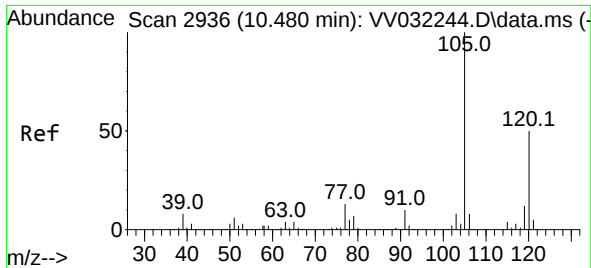
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#61
1,2,3-Trichloropropane
Concen: 0.230 ug/L
RT: 10.223 min Scan# 2856
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

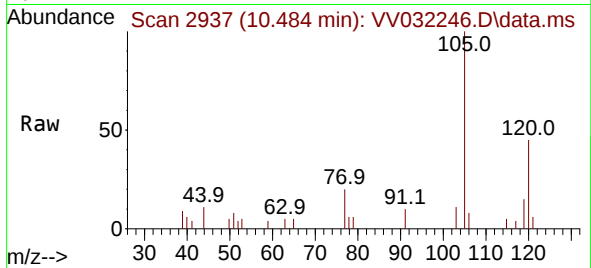
Tgt Ion: 75 Resp: 1080
Ion Ratio Lower Upper
75 100
77 15.5 26.2 39.2#
110 32.0 30.6 46.0





#62
 1,3,5-Trimethylbenzene
 Concen: 0.159 ug/L
 RT: 10.484 min Scan# 2936
 Delta R.T. 0.003 min
 Lab File: VV032246.D
 Acq: 05 Oct 2023 11:19

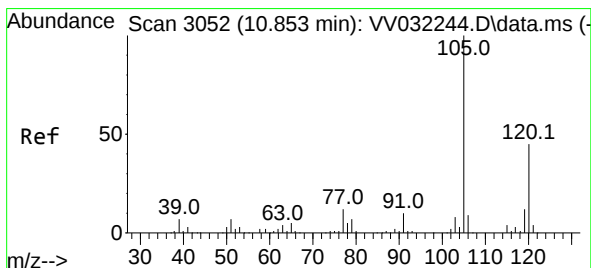
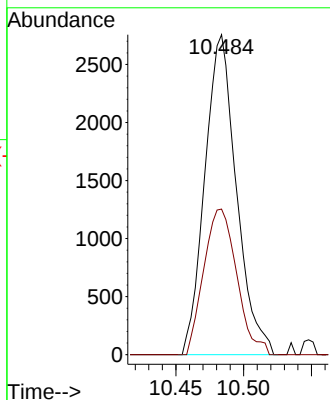
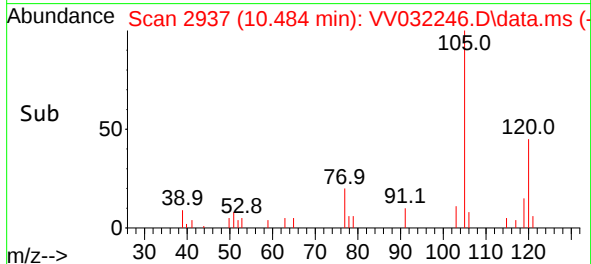
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-08



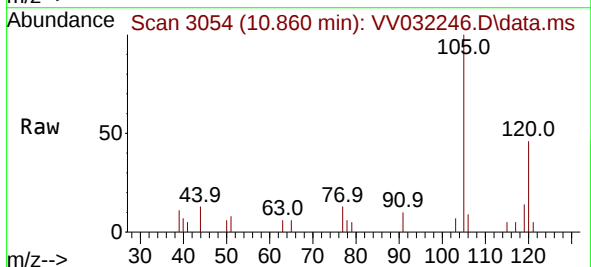
Tgt Ion:105 Resp: 4460
 Ion Ratio Lower Upper
 105 100
 120 47.6 39.9 59.9

Manual Integrations
 APPROVED

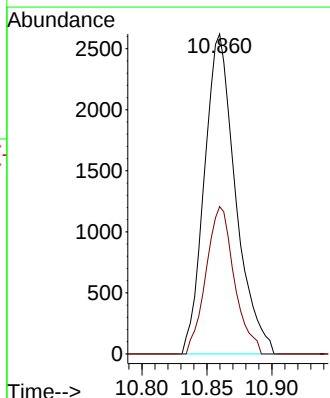
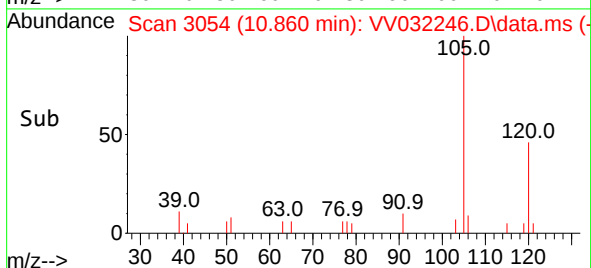
Reviewed By :John Carlone 10/06/2023
 Supervised By :Mahesh Dadoda 10/06/2023

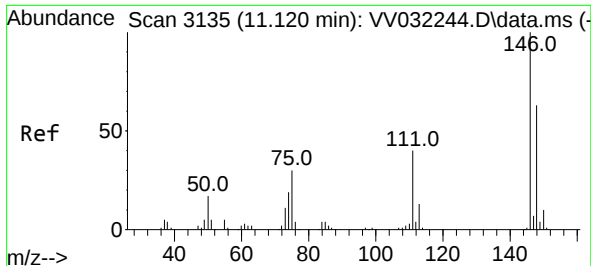


#63
 1,2,4-Trimethylbenzene
 Concen: 0.157 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.006 min
 Lab File: VV032246.D
 Acq: 05 Oct 2023 11:19



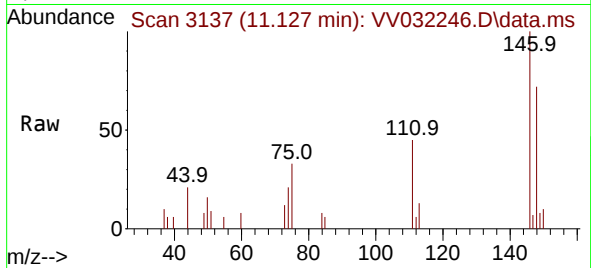
Tgt Ion:105 Resp: 4365
 Ion Ratio Lower Upper
 105 100
 120 41.9 36.2 54.4





#64
1,3-Dichlorobenzene
Concen: 0.180 ug/L
RT: 11.127 min Scan# 3135
Delta R.T. 0.006 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

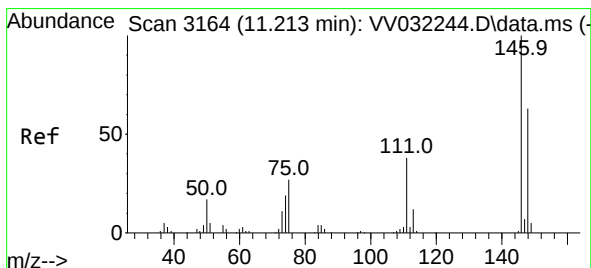
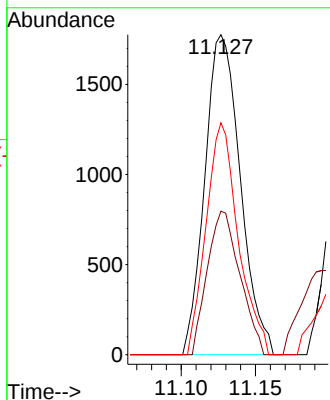
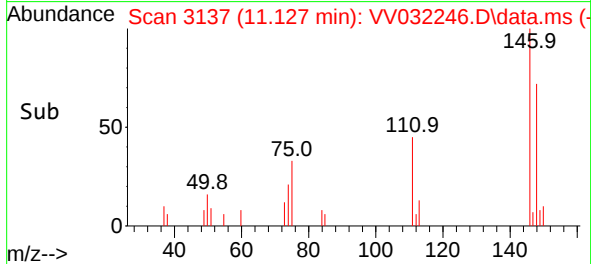
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08



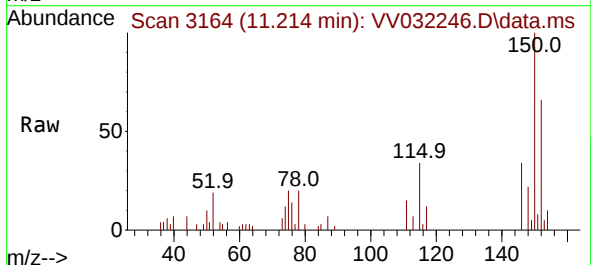
Tgt Ion:146 Resp: 295
Ion Ratio Lower Upper
146 100
111 44.9 27.8 51.6
148 72.5 43.7 81.1

Manual Integrations
APPROVED

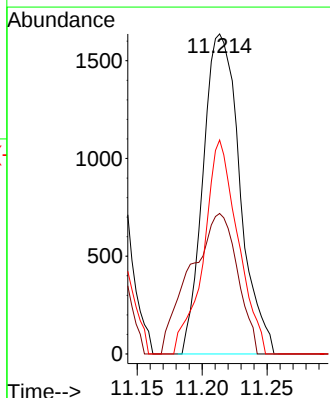
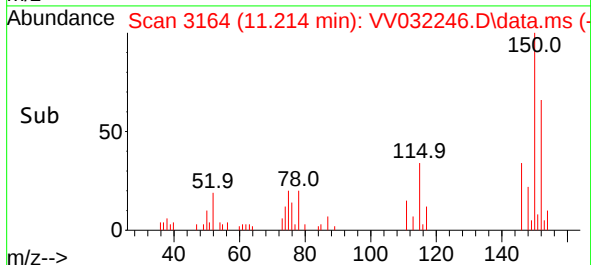
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023

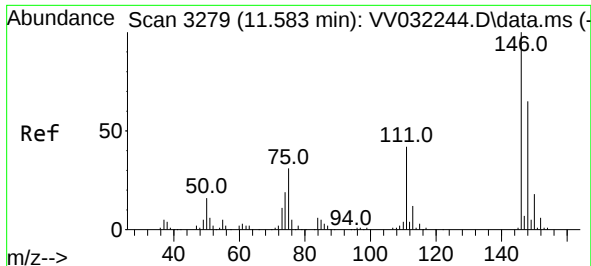


#65
1,4-Dichlorobenzene
Concen: 0.196 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19



Tgt Ion:146 Resp: 3222
Ion Ratio Lower Upper
146 100
111 43.9 26.9 49.9
148 66.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 0.206 ug/L

RT: 11.580 min Scan# 3279

Delta R.T. -0.003 min

Lab File: VV032246.D

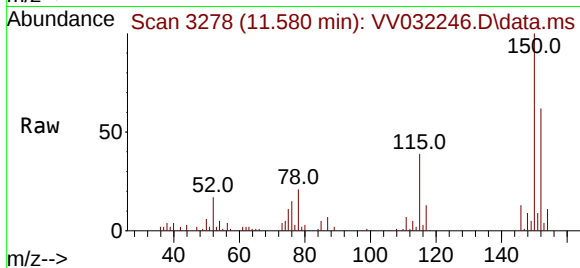
Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08



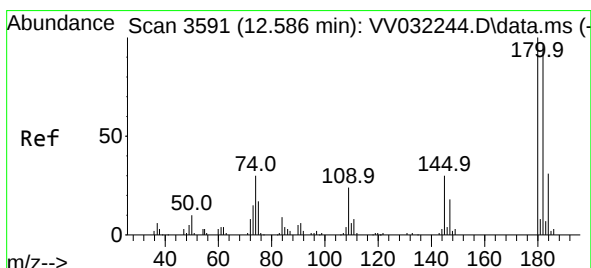
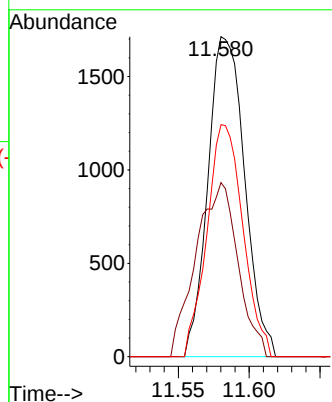
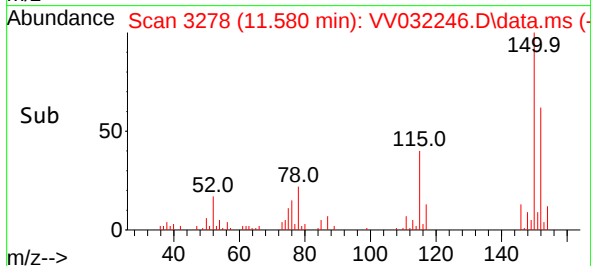
Tgt Ion:146	Resp:	308
Ion Ratio	Lower	Upper
146	100	
111	54.4	32.8 49.2
148	72.5	51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023



#69

1,3,5-Trichlorobenzene

Concen: 0.165 ug/L

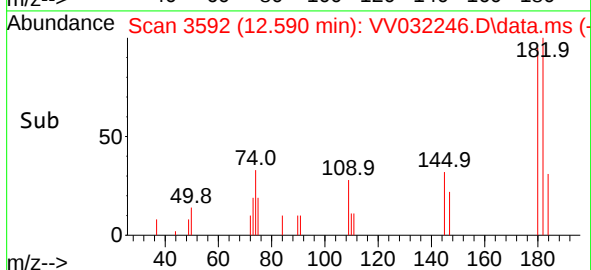
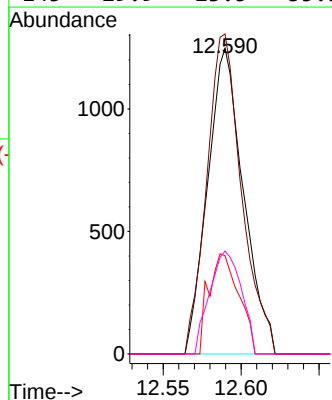
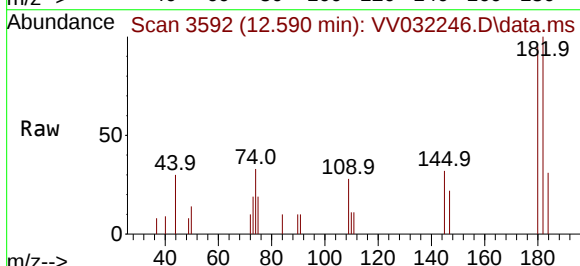
RT: 12.590 min Scan# 3592

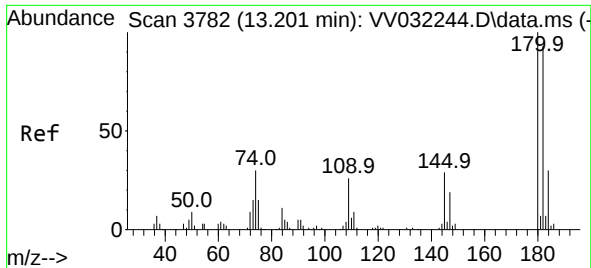
Delta R.T. 0.003 min

Lab File: VV032246.D

Acq: 05 Oct 2023 11:19

Tgt Ion:180	Resp:	1987
Ion Ratio	Lower	Upper
180	100	
182	102.1	74.6 112.0
184	27.5	24.1 36.1
145	29.9	23.5 35.3





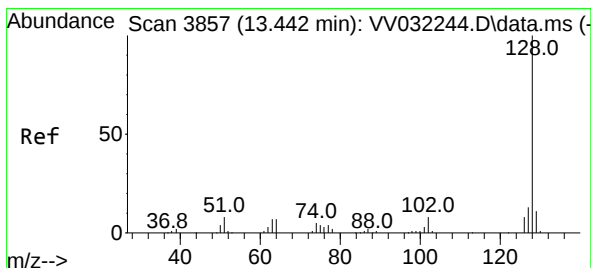
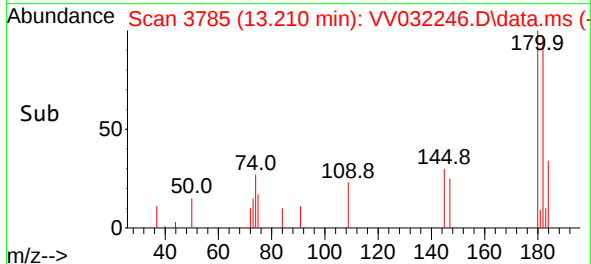
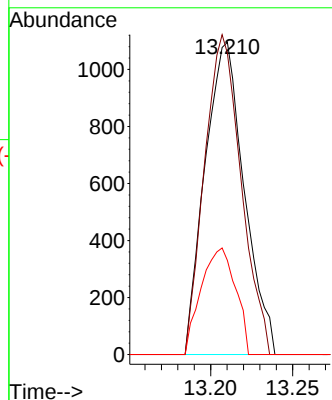
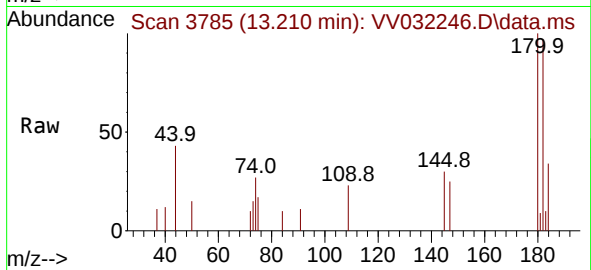
#70
1,2,4-trichlorobenzene
Concen: 0.171 ug/L
RT: 13.210 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

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

Tgt Ion:180 Resp: 181
Ion Ratio Lower Upper
180 100
182 95.6 76.5 114.7
145 29.9 24.3 36.5

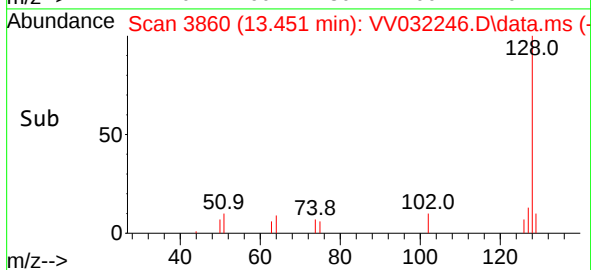
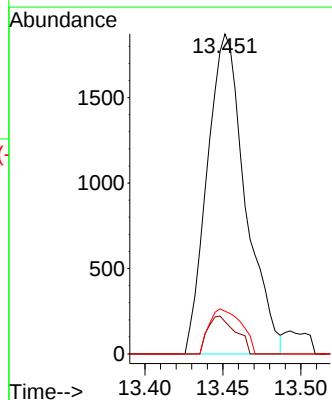
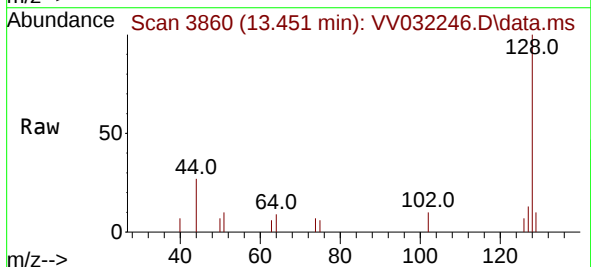
Manual Integrations
APPROVED

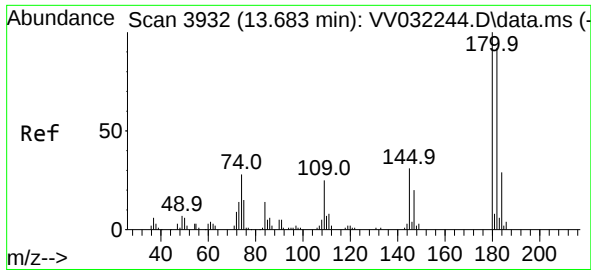
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023



#71
Naphthalene
Concen: 0.176 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV032246.D
Acq: 05 Oct 2023 11:19

Tgt Ion:128 Resp: 3185
Ion Ratio Lower Upper
128 100
129 8.6 9.0 13.4#
127 11.8 10.2 15.2





#72

1,2,3-Trichlorobenzene

Concen: 0.173 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV032246.D

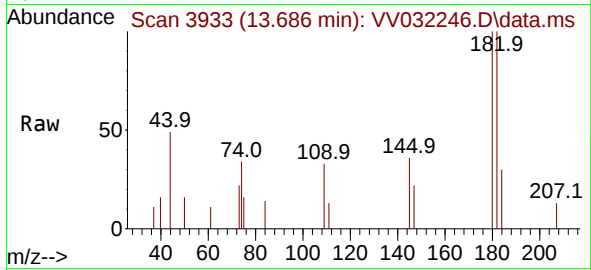
Acq: 05 Oct 2023 11:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-08



Tgt Ion:180 Resp: 1586

Ion Ratio Lower Upper

180 100

182 98.3 77.0 115.4

145 27.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/06/2023

Supervised By :Mahesh Dadoda 10/06/2023

