

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037448.D
 Acq On : 31 Aug 2023 22:21
 Operator : JC/MD
 Sample : 04252-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-9.1-083023

Quant Time: Sep 01 03:18:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.781	114	252910	50.000	ug/l	0.02
63) Chlorobenzene-d5	10.055	117	235773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89469	42.155	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.320%		
35) Dibromofluoromethane	5.391	113	76529	45.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.380%		
50) Toluene-d8	8.653	98	304636	50.140	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	112830	47.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.520%		
Target Compounds					Qvalue	
4) Vinyl Chloride	1.374	62	28463	17.478	ug/l	98
8) Diethyl Ether	2.130	74	917	0.889	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	18037424	11590.745	ug/l	91
12) 1,1-Dichloroethene	2.313	96	206308	136.138	ug/l #	63
20) Methylene Chloride	2.788	84	68838	37.074	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	26010	15.098	ug/l	91
24) 1,1-Dichloroethane	3.617	63	27979	9.270	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	4097053	2017.369	ug/l	77
29) Tetrahydrofuran	5.026	42	32120	40.287	ug/l #	83
30) Chloroform	5.105	83	43538	12.849	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	166612	54.873	ug/l	96
40) Benzene	6.050	78	93893	13.757	ug/l	100
42) 1,2-Dichloroethane	6.092	62	24375	9.107	ug/l	94
44) Trichloroethene	7.190	130	48470135m	25046.106	ug/l	
45) 1,2-Dichloropropane	7.464	63	863	0.513	ug/l	99
52) Toluene	8.720	92	12888	2.858	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	55867	30.425	ug/l	99
64) Tetrachloroethene	9.275	164	733322	426.353	ug/l	98
67) Ethyl Benzene	10.201	91	2080	0.237	ug/l	91
68) m/p-Xylenes	10.305	106	1518	0.448	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	1964	0.743	ug/l	94
86) p-Isopropyltoluene	12.012	119	2646	0.422	ug/l	81
88) 1,4-Dichlorobenzene	12.043	146	30499	8.230	ug/l	97

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

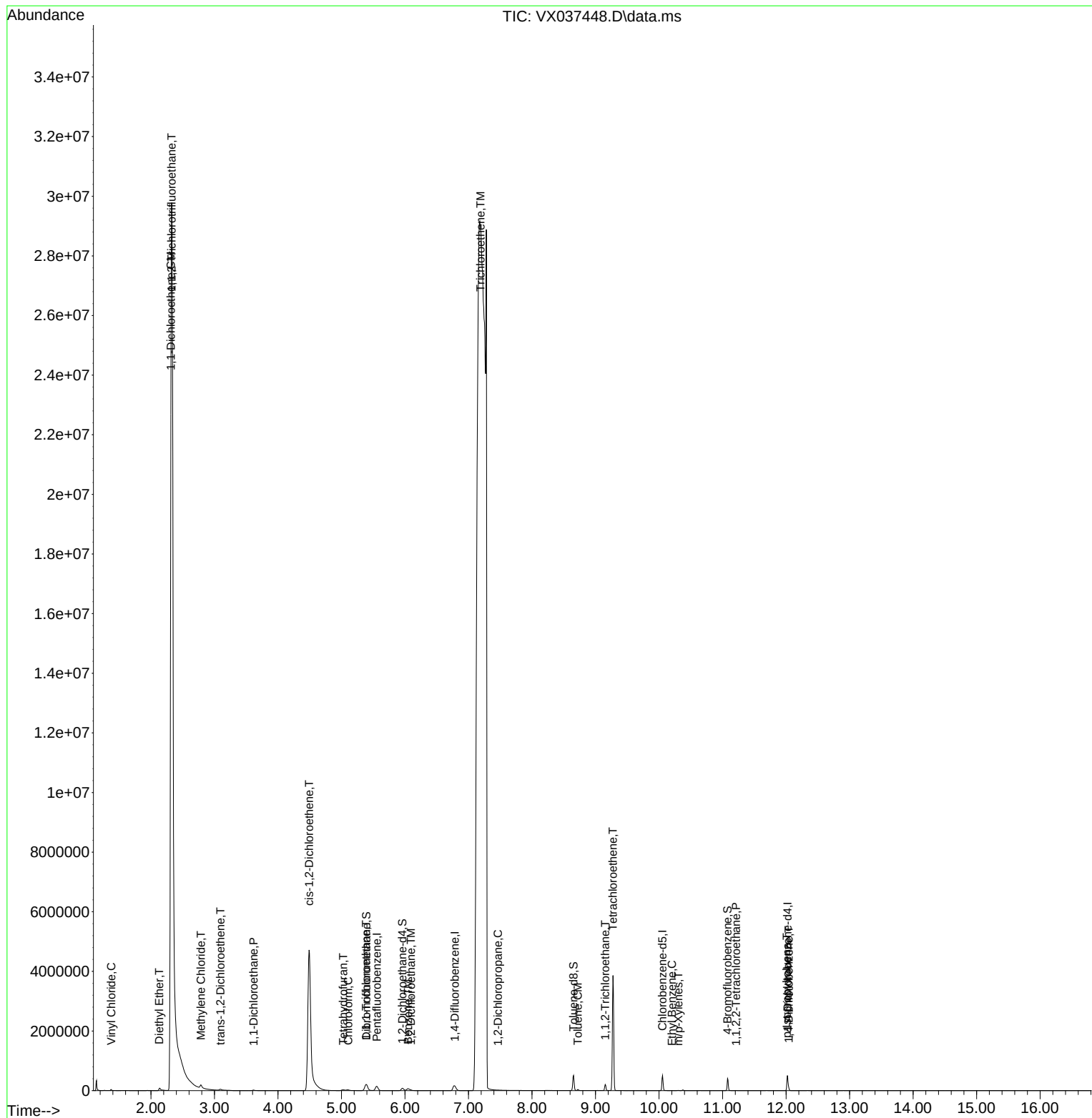
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
Data File : VX037448.D
Acq On : 31 Aug 2023 22:21
Operator : JC/MD
Sample : 04252-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

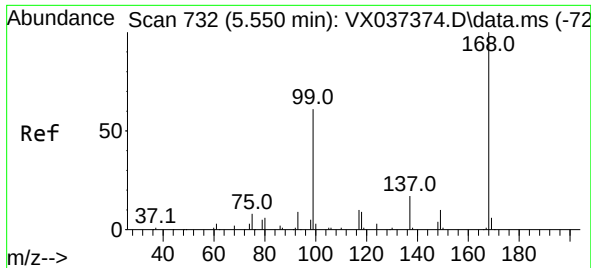
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023

Manual Integrations
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Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 03:18:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration





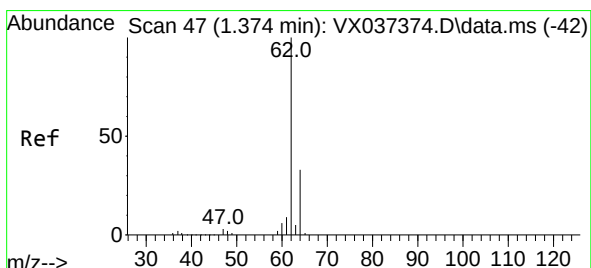
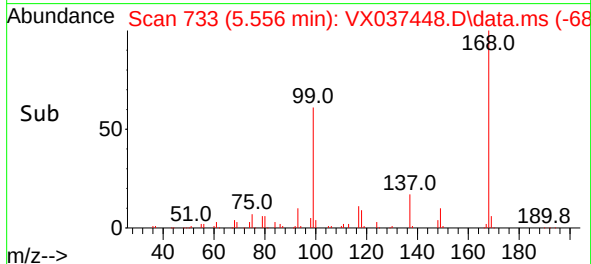
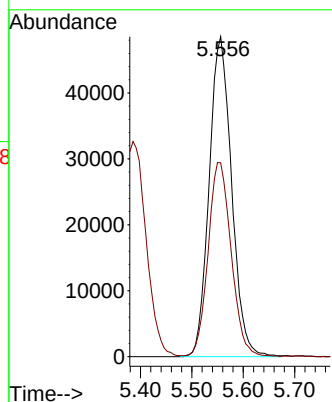
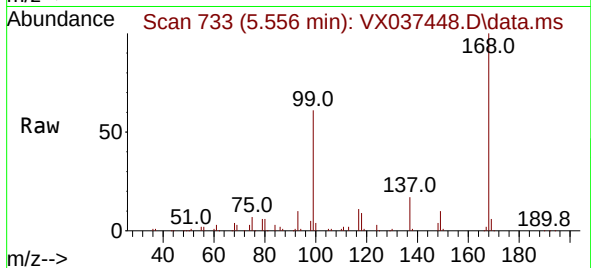
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023

Tgt Ion:168 Resp: 147215
Ion Ratio Lower Upper
168 100
99 60.6 56.6 85.0

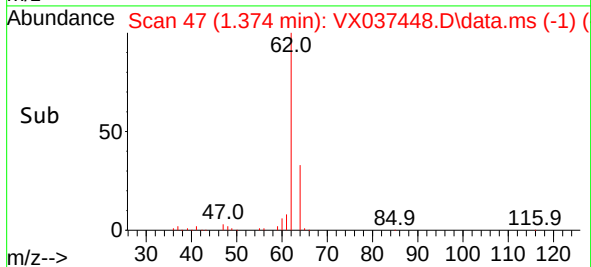
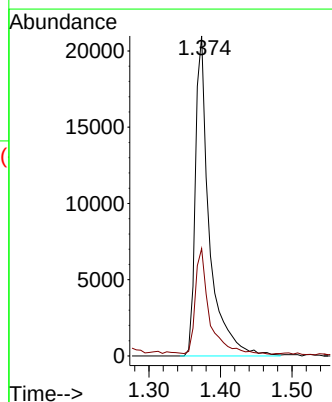
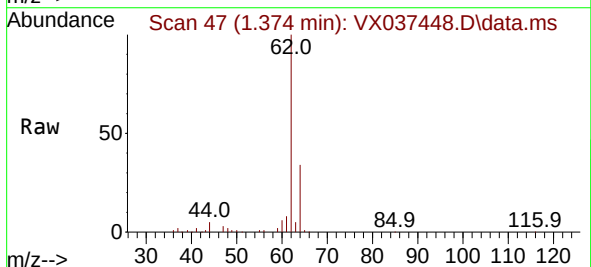
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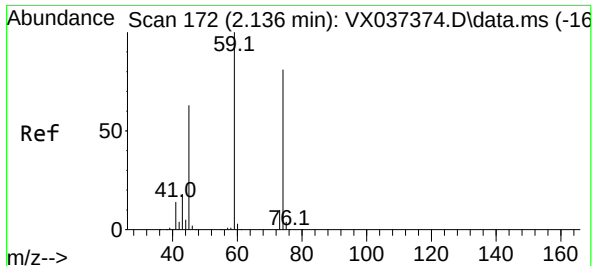
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#4
Vinyl Chloride
Concen: 17.478 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

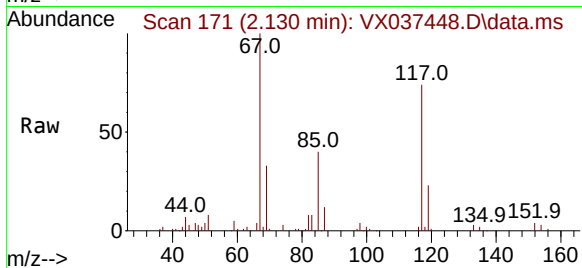
Tgt Ion: 62 Resp: 28463
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.0





#8
Diethyl Ether
Concen: 0.889 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

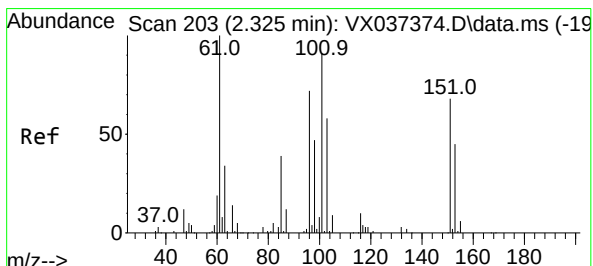
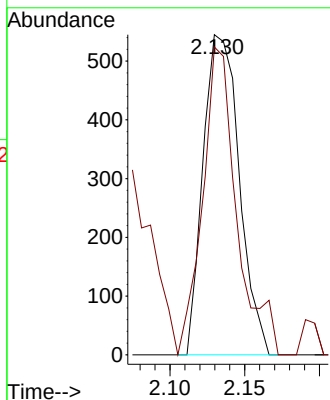
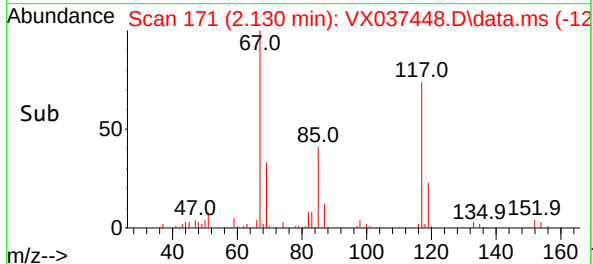
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



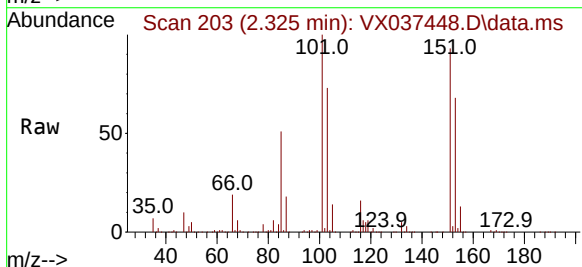
Tgt Ion: 74 Resp: 91
Ion Ratio Lower Upper
74 100
45 90.6 53.3 159.8

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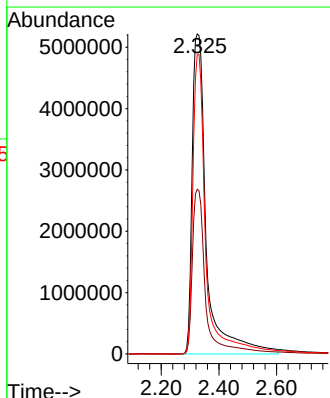
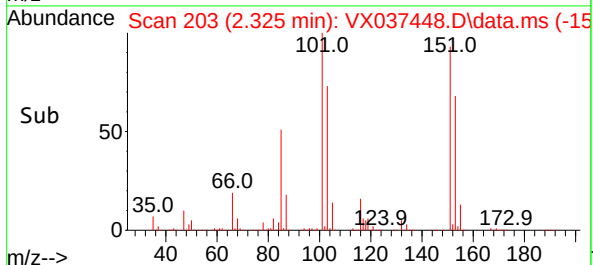
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023

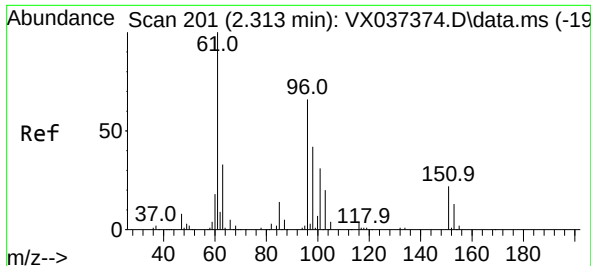


#9
1,1,2-Trichlorotrifluoroethane
Concen: 11590.745 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21



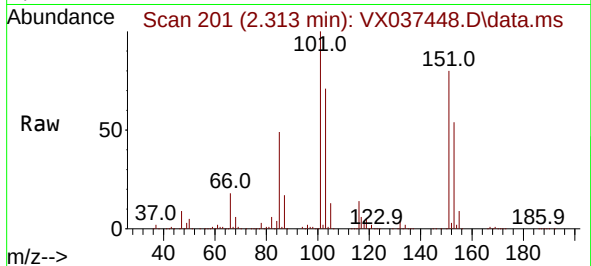
Tgt Ion:101 Resp:18037424
Ion Ratio Lower Upper
101 100
85 47.5 37.0 55.6
151 84.4 58.6 87.8





#12
1,1-Dichloroethene
Concen: 136.138 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

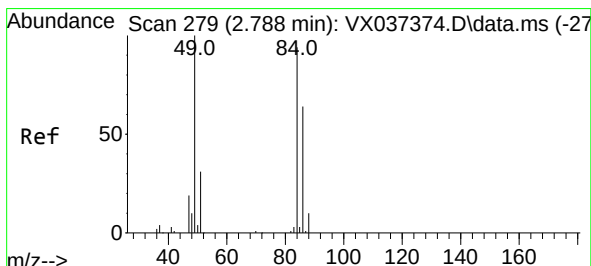
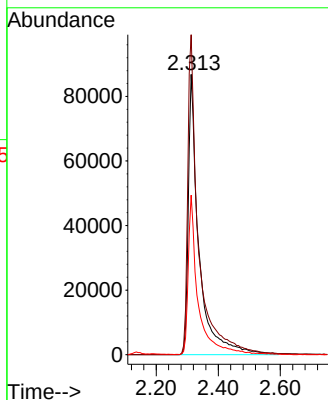
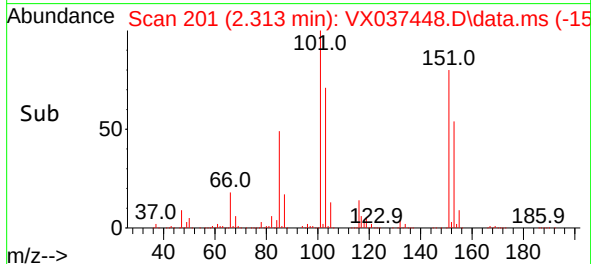
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



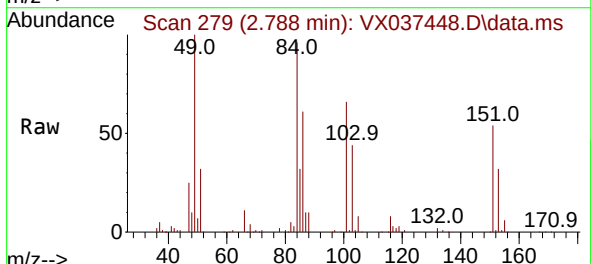
Tgt Ion: 96 Resp: 206308
Ion Ratio Lower Upper
96 100
61 114.2 144.6 216.8
98 56.8 50.4 75.6

Manual Integrations
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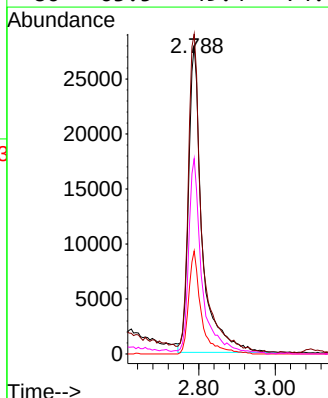
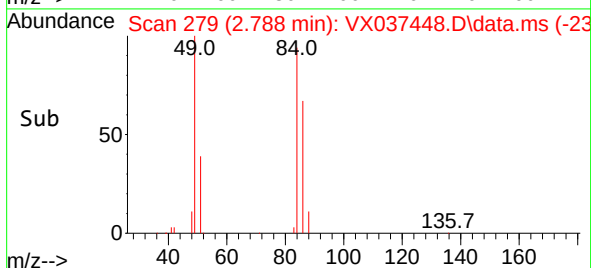
Reviewed By :John Carlone 09/01/2023
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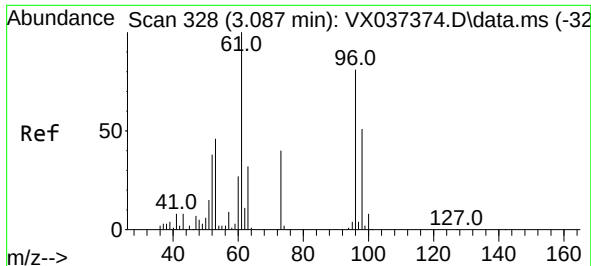


#20
Methylene Chloride
Concen: 37.074 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21



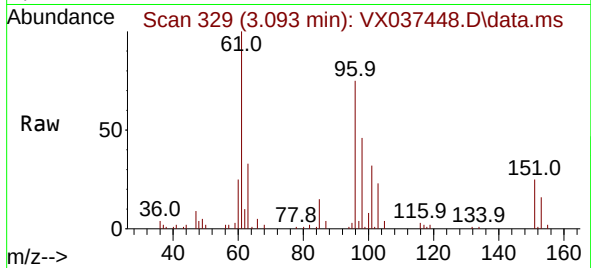
Tgt Ion: 84 Resp: 68838
Ion Ratio Lower Upper
84 100
49 103.8 103.6 155.4
51 33.6 33.8 50.6
86 63.5 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 15.098 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

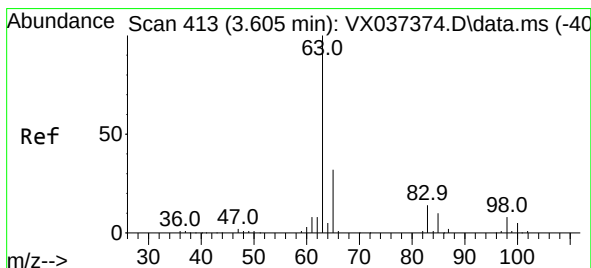
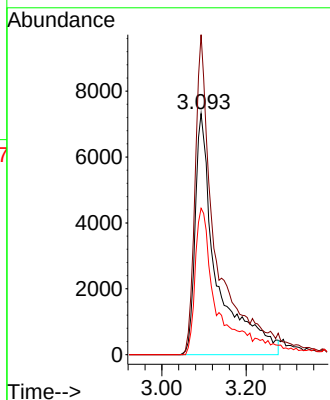
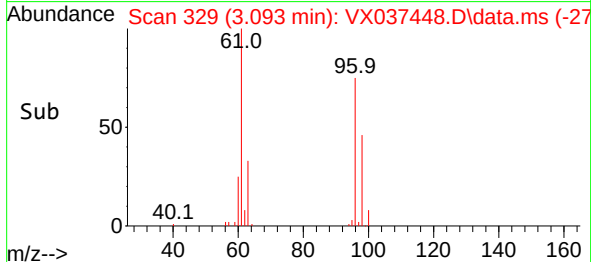
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



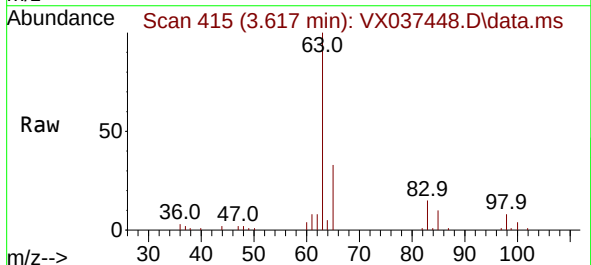
Tgt Ion: 96 Resp: 26010
Ion Ratio Lower Upper
96 100
61 132.7 119.2 178.8
98 60.7 48.7 73.1

Manual Integrations
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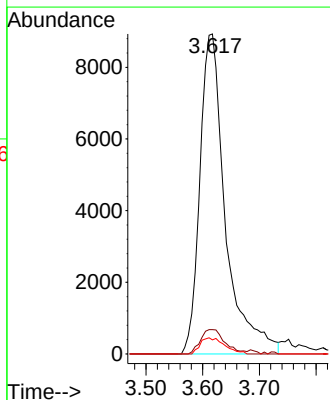
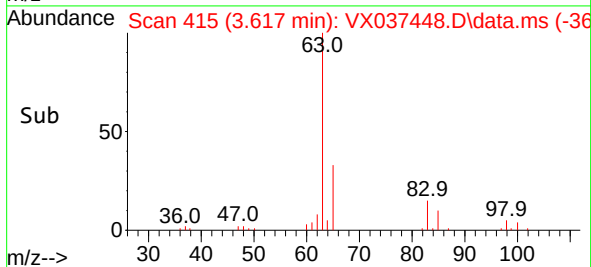
Reviewed By :John Carlone 09/01/2023
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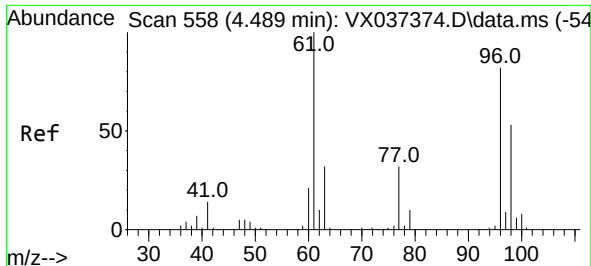


#24
1,1-Dichloroethane
Concen: 9.270 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21



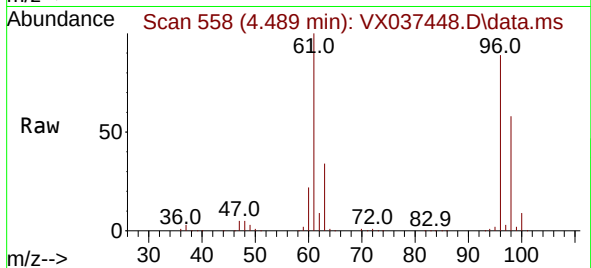
Tgt Ion: 63 Resp: 27979
Ion Ratio Lower Upper
63 100
98 7.6 3.3 9.8
100 4.4 2.1 6.5





#27
cis-1,2-Dichloroethene
Concen: 2017.369 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

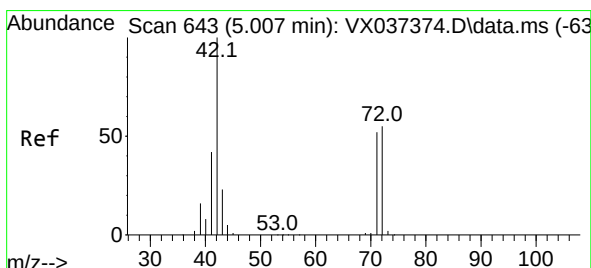
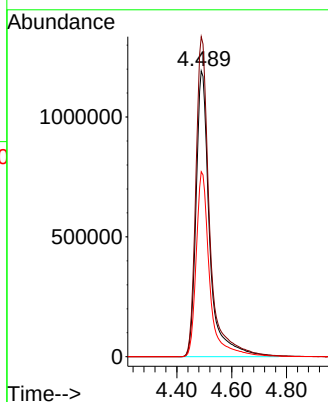
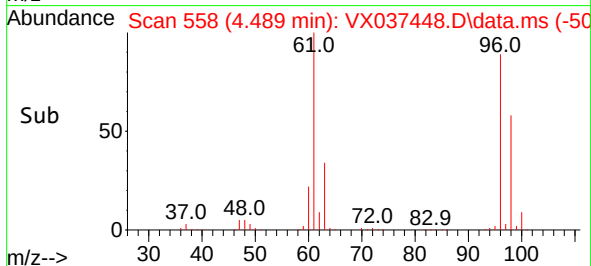
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



Tgt Ion: 96 Resp: 409705
Ion Ratio Lower Upper
96 100
61 113.7 0.0 312.2
98 64.5 0.0 129.0

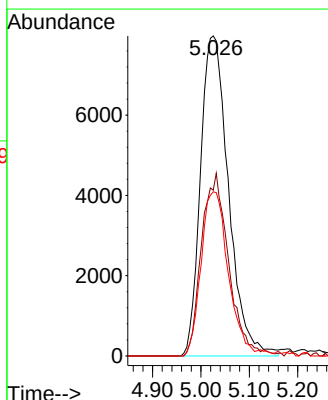
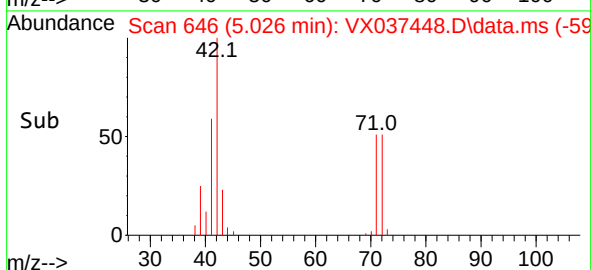
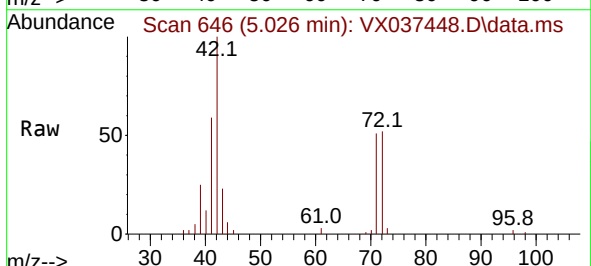
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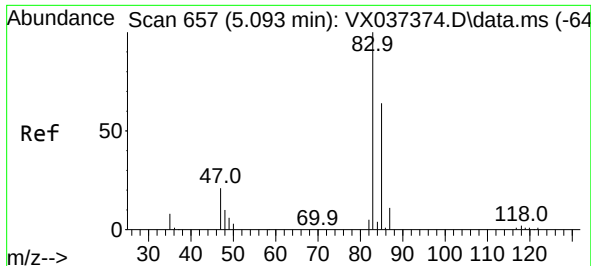
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#29
Tetrahydrofuran
Concen: 40.287 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

Tgt Ion: 42 Resp: 32120
Ion Ratio Lower Upper
42 100
72 55.2 34.2 51.4#
71 49.5 32.2 48.2#





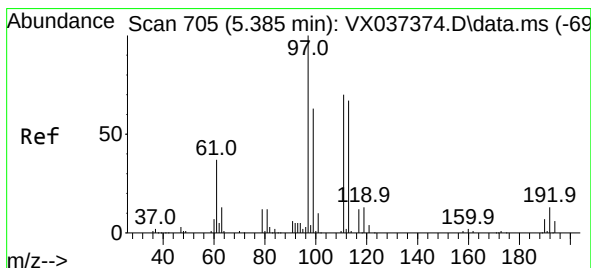
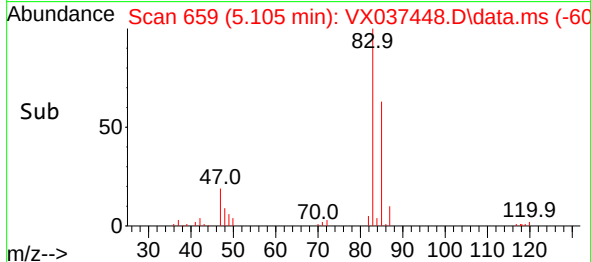
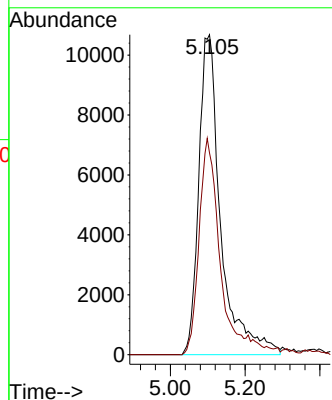
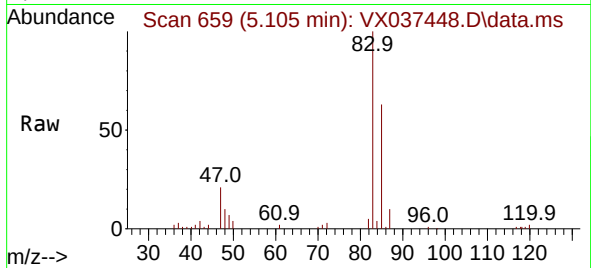
#30
Chloroform
Concen: 12.849 ug/l
RT: 5.105 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023

Tgt Ion: 83 Resp: 43538
Ion Ratio Lower Upper
83 100
85 63.1 50.3 75.5

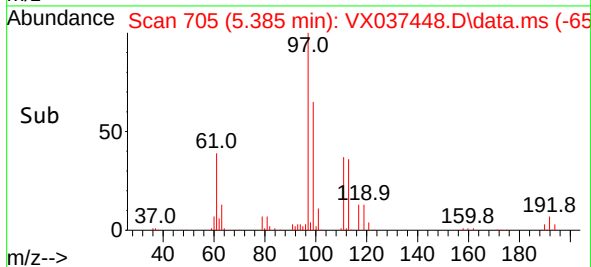
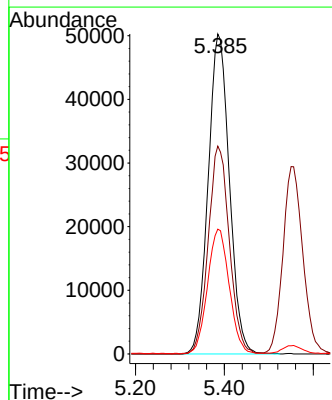
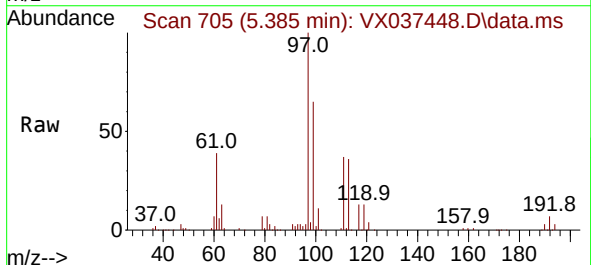
Manual Integrations
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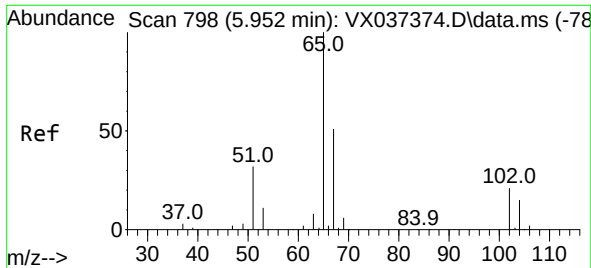
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#32
1,1,1-Trichloroethane
Concen: 54.873 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

Tgt Ion: 97 Resp: 166612
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 40.0 36.4 54.6





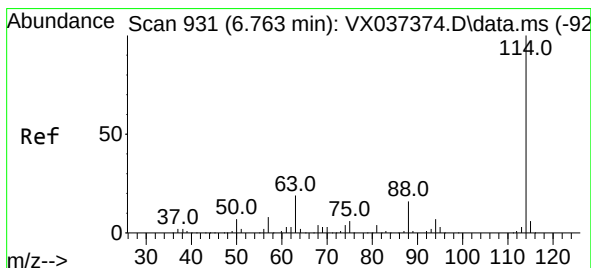
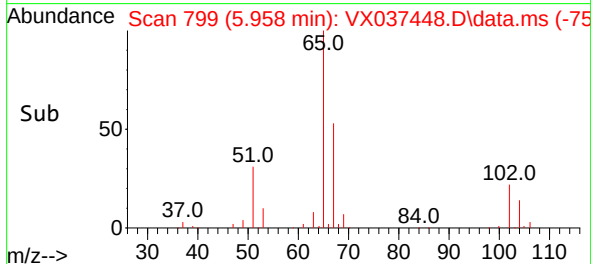
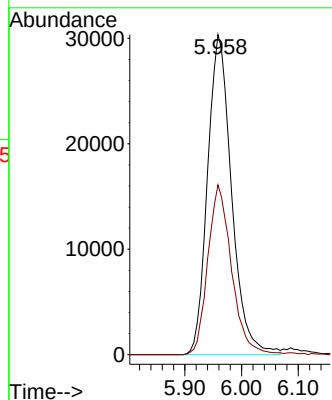
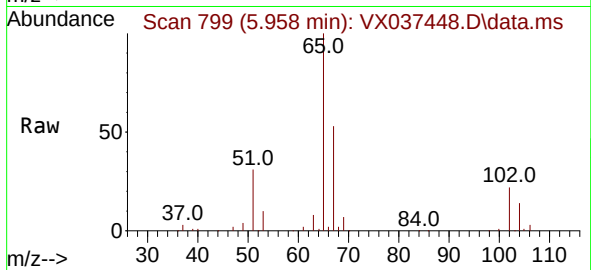
#33
 1,2-Dichloroethane-d4
 Concen: 42.155 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX037448.D
 Acq: 31 Aug 2023 22:21

Instrument :
 MSVOA_X
 Client Sample Id :
 MW-06-9.1-083023

Tgt Ion: 65 Resp: 89469
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.2

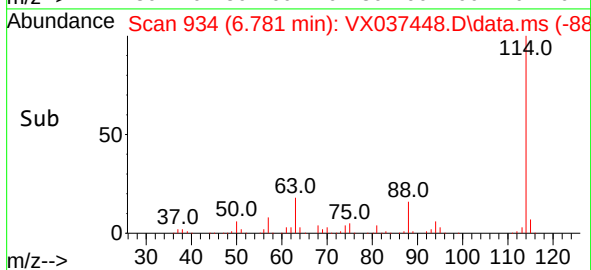
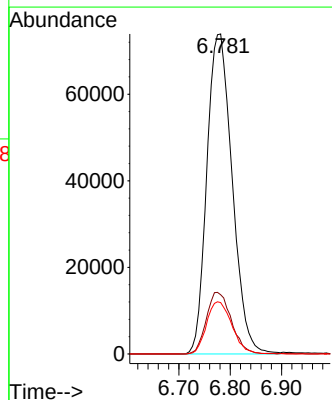
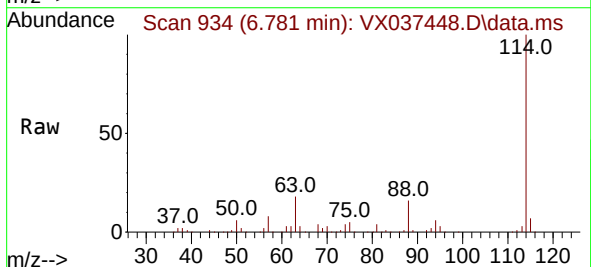
Manual Integrations
 APPROVED

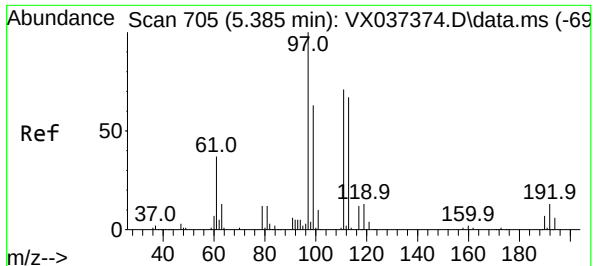
Reviewed By :John Carlone 09/01/2023
 Supervised By :Mahesh Dadoda 09/01/2023



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.781 min Scan# 934
 Delta R.T. 0.018 min
 Lab File: VX037448.D
 Acq: 31 Aug 2023 22:21

Tgt Ion:114 Resp: 252910
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 45.0
 88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.690 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

Instrument :

MSVOA_X

ClientSampleId :

MW-06-9.1-083023

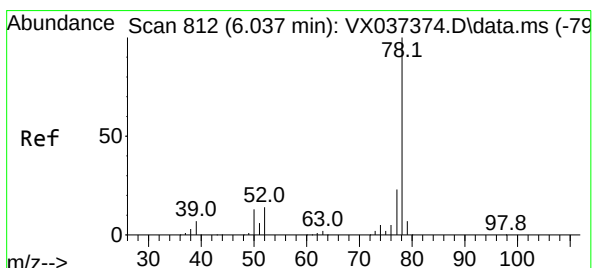
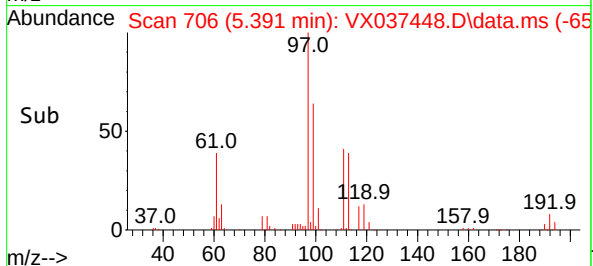
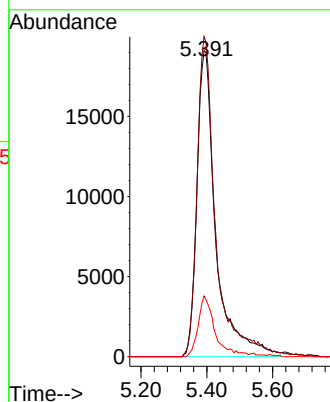
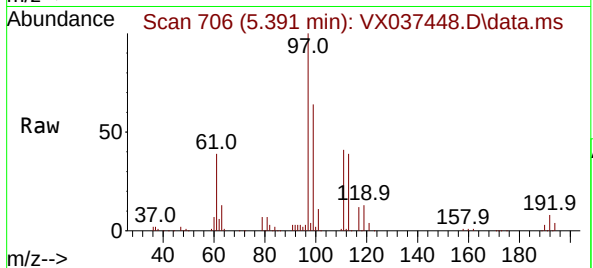
Tgt Ion:	113	Resp:	76529
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	17.5	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/01/2023

Supervised By :Mahesh Dadoda 09/01/2023



#40

Benzene

Concen: 13.757 ug/l

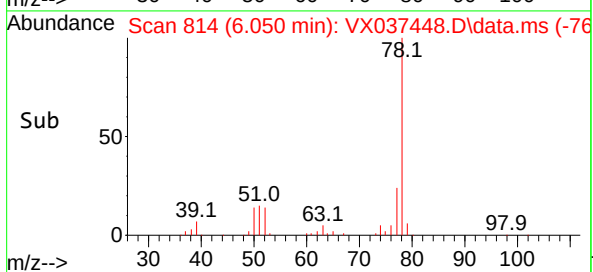
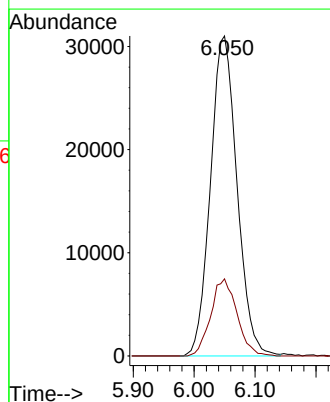
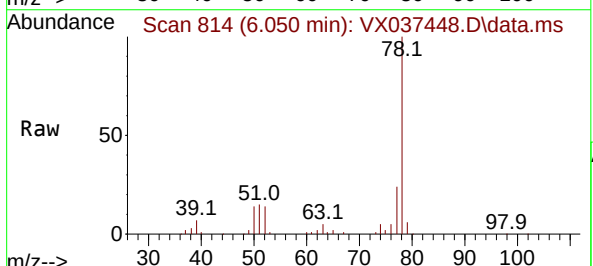
RT: 6.050 min Scan# 814

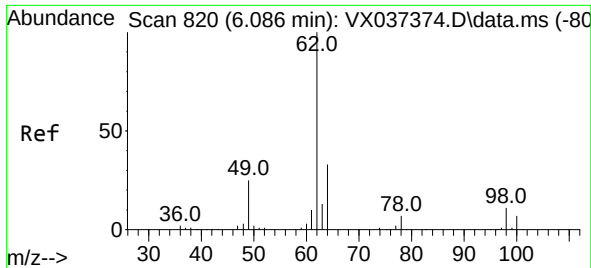
Delta R.T. 0.012 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

Tgt Ion:	78	Resp:	93893
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.3	28.9





#42

1,2-Dichloroethane

Concen: 9.107 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

Instrument :

MSVOA_X

ClientSampleId :

MW-06-9.1-083023

Tgt Ion: 62 Resp: 24375

Ion Ratio Lower Upper

62 100

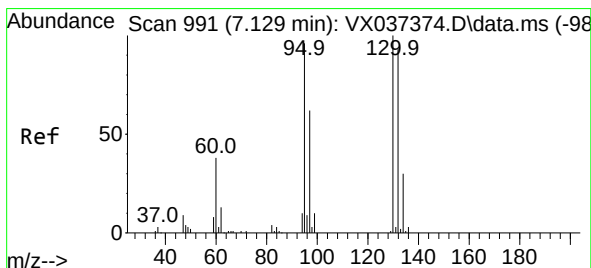
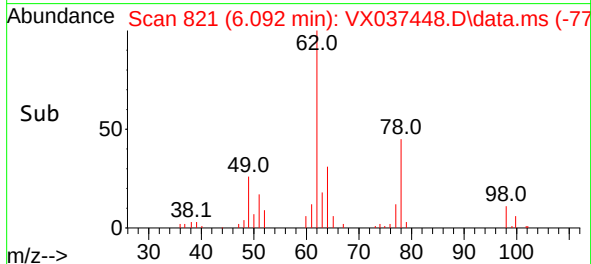
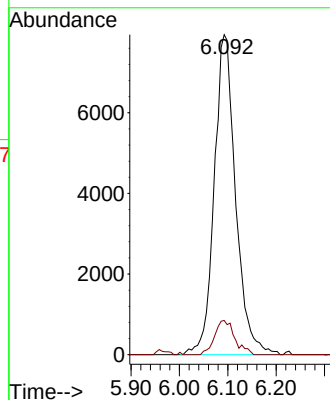
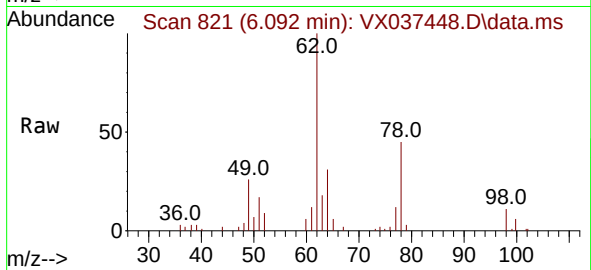
98 10.1 0.0 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/01/2023

Supervised By :Mahesh Dadoda 09/01/2023



#44

Trichloroethene

Concen: 25046.106 ug/l m

RT: 7.190 min Scan# 1001

Delta R.T. 0.067 min

Lab File: VX037448.D

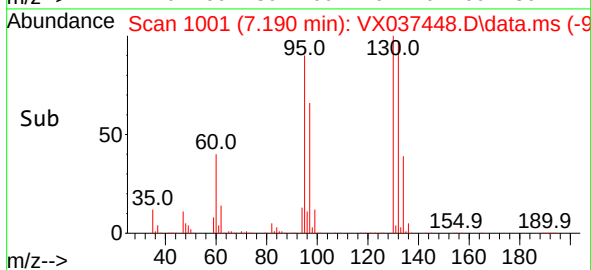
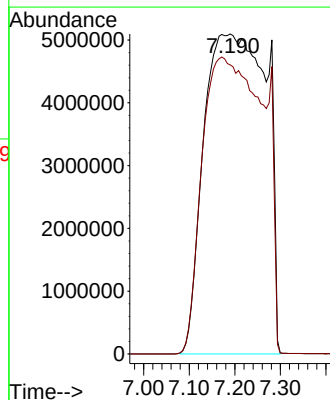
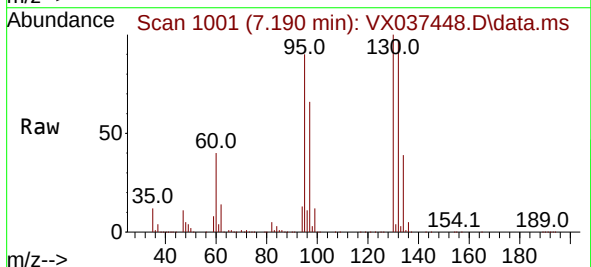
Acq: 31 Aug 2023 22:21

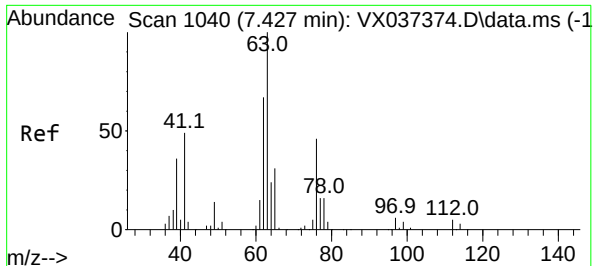
Tgt Ion:130 Resp:48470135

Ion Ratio Lower Upper

130 100

95 90.3 0.0 204.4





#45

1,2-Dichloropropane

Concen: 0.513 ug/l

RT: 7.464 min Scan# 1046

Delta R.T. 0.037 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

Instrument :

MSVOA_X

ClientSampleId :

MW-06-9.1-083023

Tgt Ion: 63 Resp: 86

Ion Ratio Lower Upper

63 100

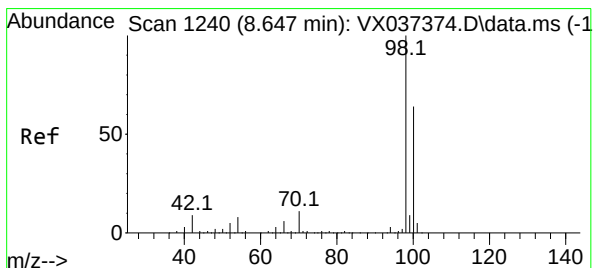
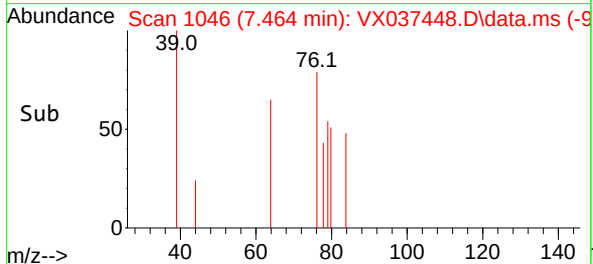
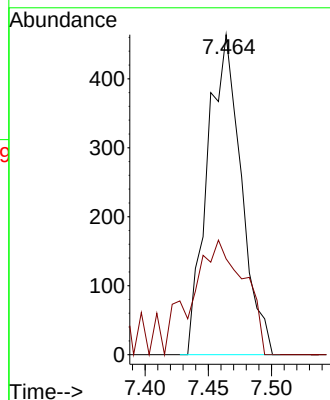
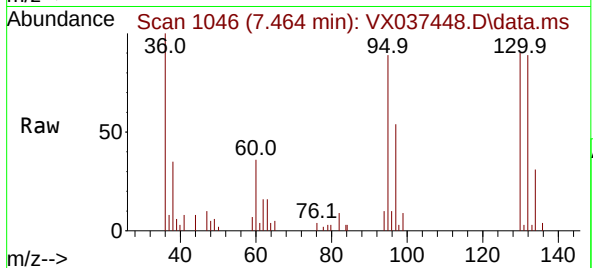
65 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/01/2023

Supervised By :Mahesh Dadoda 09/01/2023



#50

Toluene-d8

Concen: 50.140 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037448.D

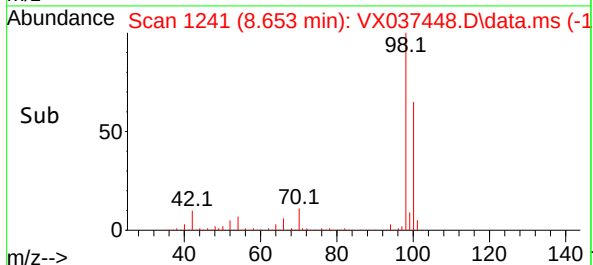
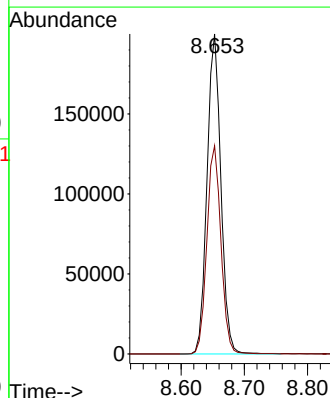
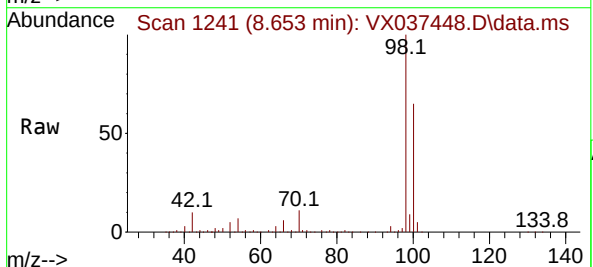
Acq: 31 Aug 2023 22:21

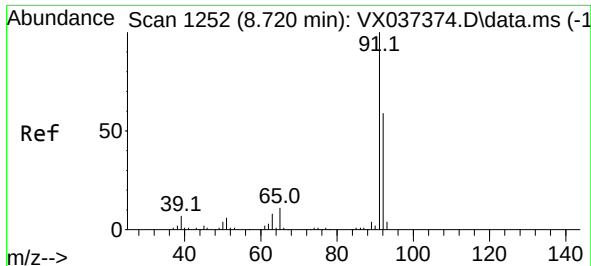
Tgt Ion: 98 Resp: 304636

Ion Ratio Lower Upper

98 100

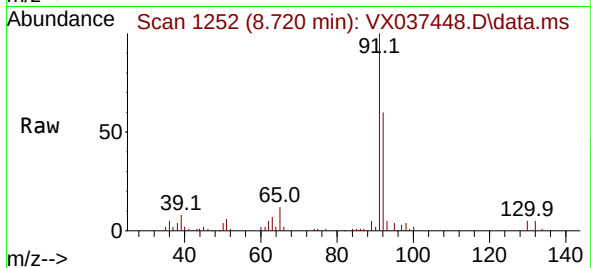
100 66.0 53.1 79.7





#52
Toluene
Concen: 2.858 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

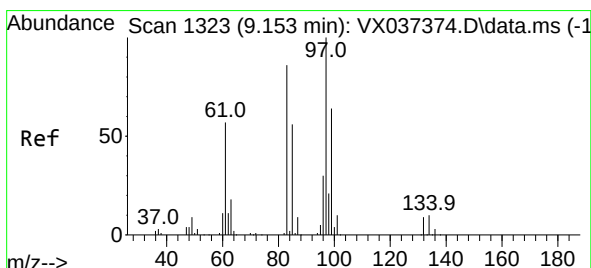
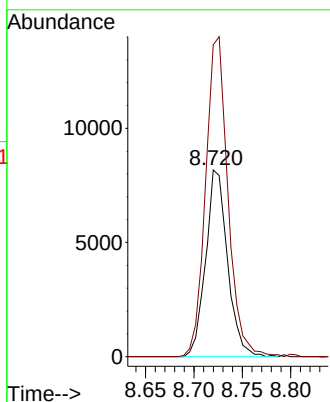
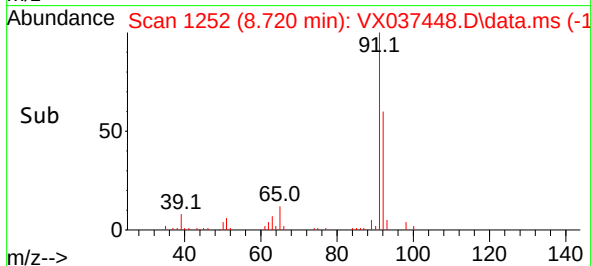
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



Tgt Ion: 92 Resp: 1288
Ion Ratio Lower Upper
92 100
91 175.1 134.2 201.2

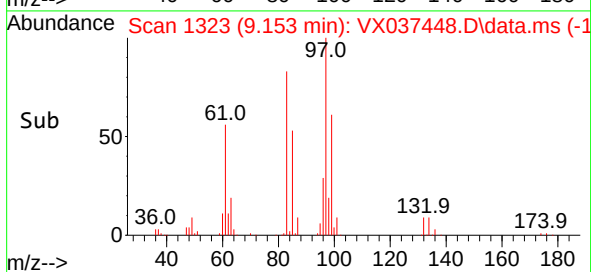
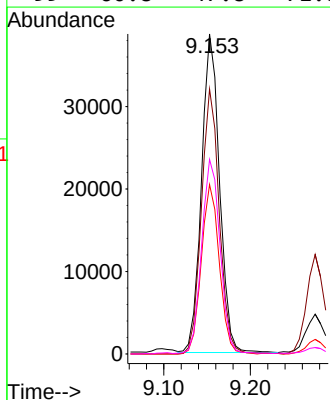
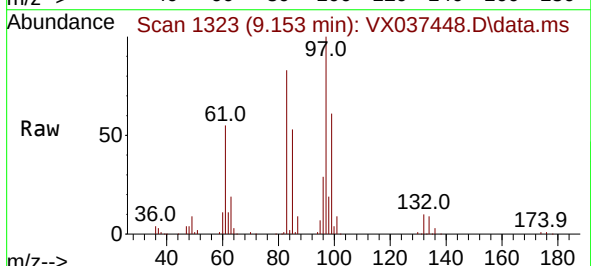
Manual Integrations
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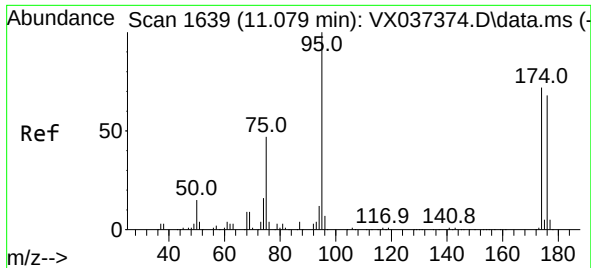
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#55
1,1,2-Trichloroethane
Concen: 30.425 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

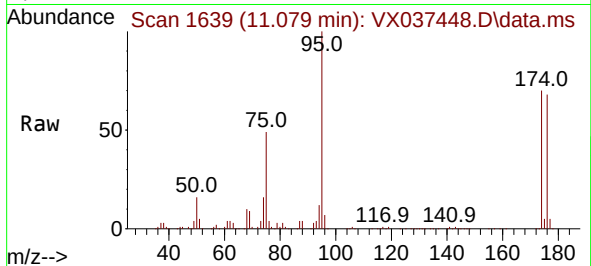
Tgt Ion: 97 Resp: 55867
Ion Ratio Lower Upper
97 100
83 83.2 65.8 98.8
85 53.2 41.6 62.4
99 60.8 47.8 71.8





#62
4-Bromofluorobenzene
Concen: 47.255 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

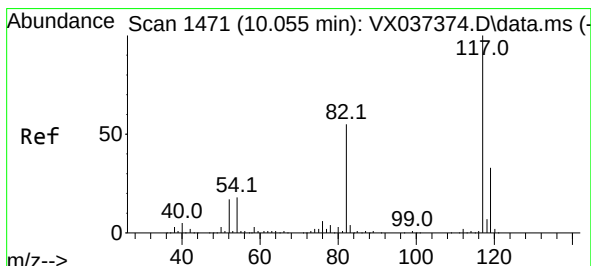
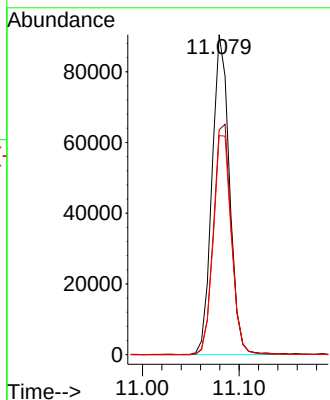
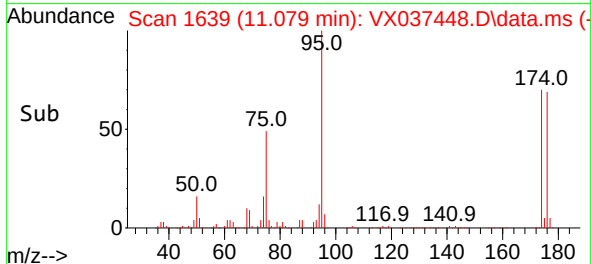
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



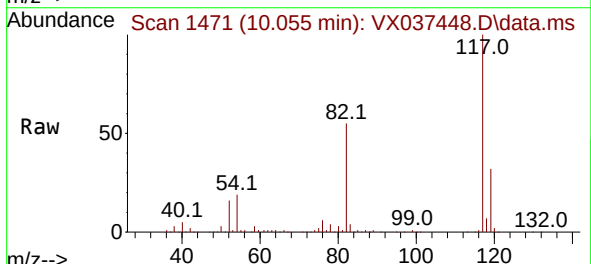
Tgt Ion: 95 Resp: 112830
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 71.5 0.0 131.0

Manual Integrations
APPROVED

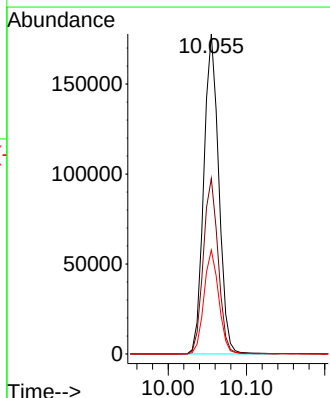
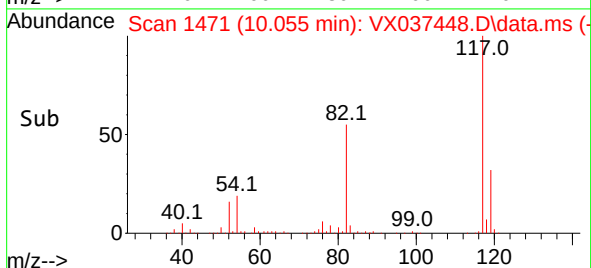
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023

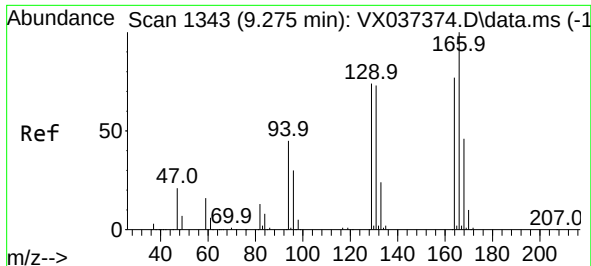


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21



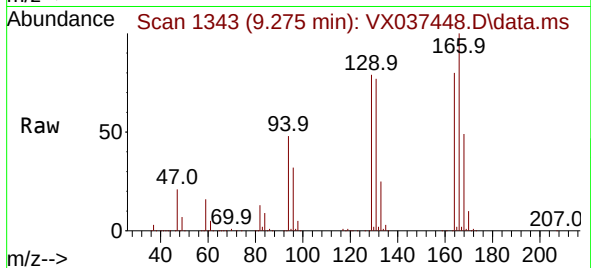
Tgt Ion:117 Resp: 235773
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.5 25.5 38.3





#64
Tetrachloroethene
Concen: 426.353 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

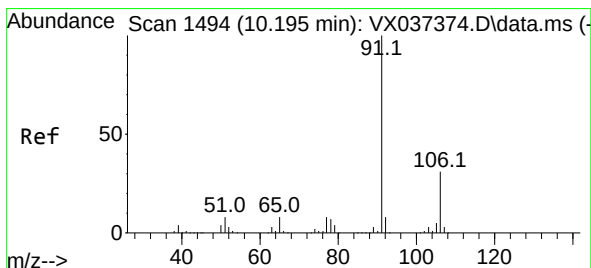
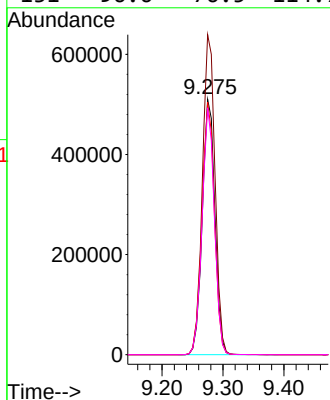
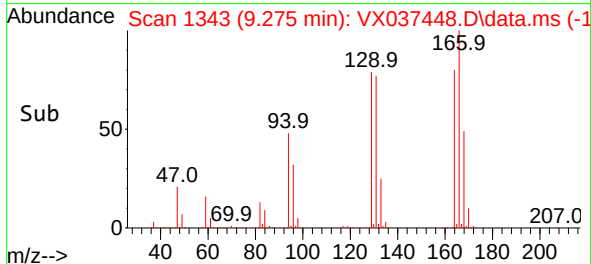
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



Tgt Ion:164 Resp: 73332
Ion Ratio Lower Upper
164 100
166 125.3 102.7 154.1
129 98.9 80.4 120.6
131 96.6 76.5 114.7

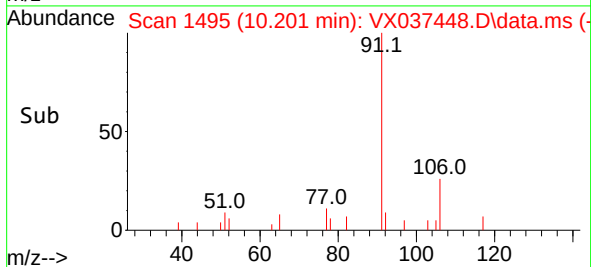
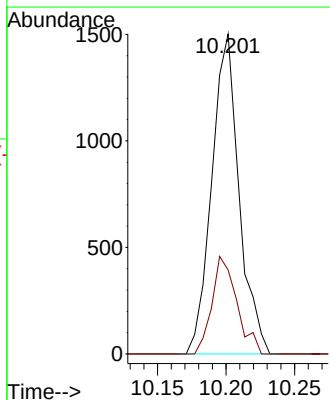
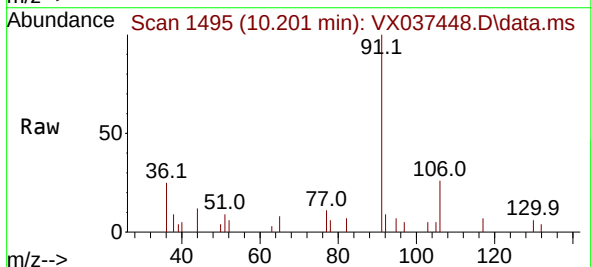
Manual Integrations
APPROVED

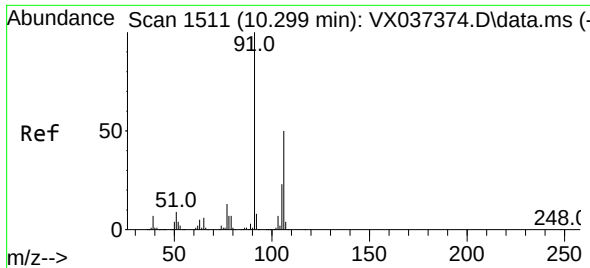
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#67
Ethyl Benzene
Concen: 0.237 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

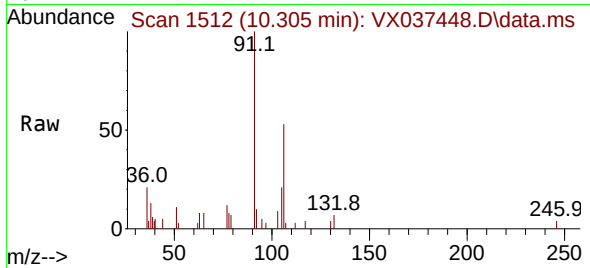
Tgt Ion: 91 Resp: 2080
Ion Ratio Lower Upper
91 100
106 26.2 24.9 37.3





#68
m/p-Xylenes
Concen: 0.448 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

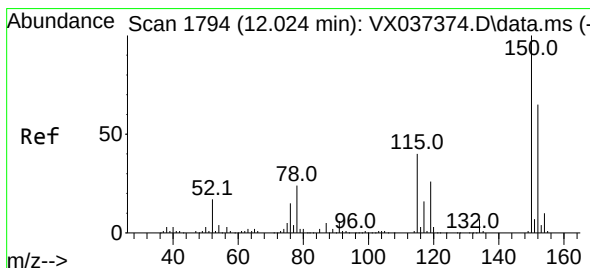
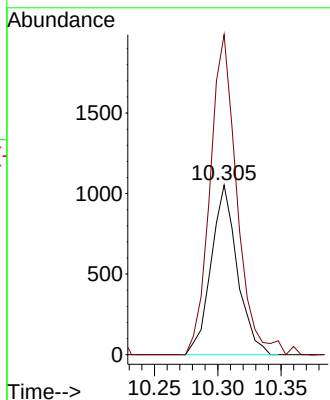
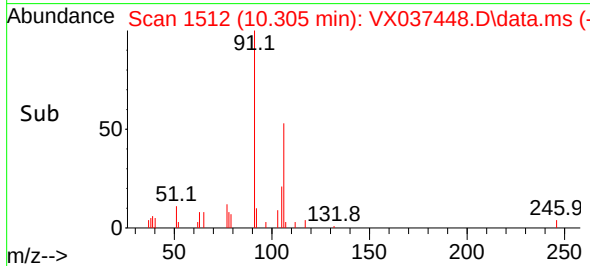
Instrument :
MSVOA_X
ClientSampleId :
MW-06-9.1-083023



Tgt Ion:106 Resp: 1518
Ion Ratio Lower Upper
106 100
91 194.2 165.5 248.3

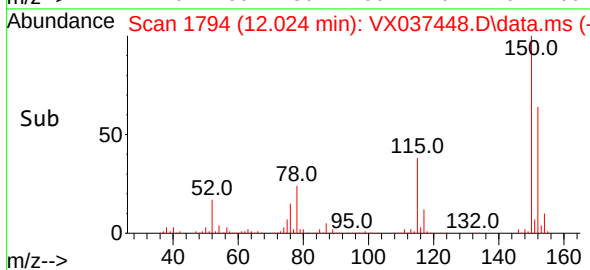
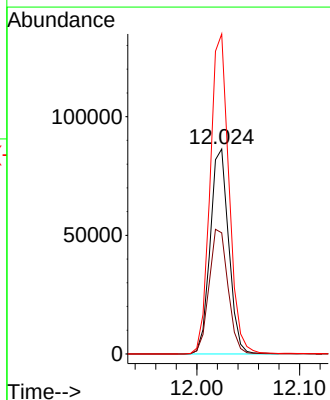
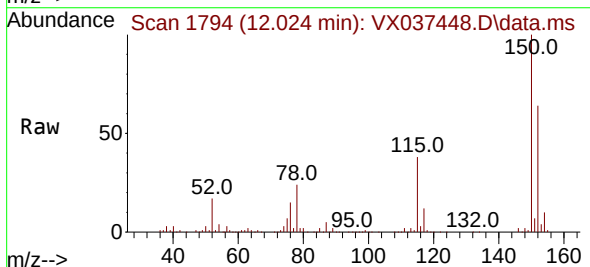
Manual Integrations
APPROVED

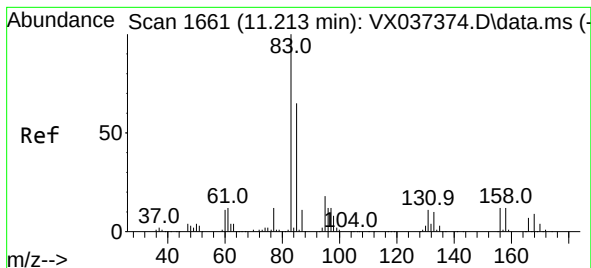
Reviewed By :John Carlone 09/01/2023
Supervised By :Mahesh Dadoda 09/01/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037448.D
Acq: 31 Aug 2023 22:21

Tgt Ion:152 Resp: 107922
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 158.7 0.0 345.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.743 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

Instrument :

MSVOA_X

ClientSampleId :

MW-06-9.1-083023

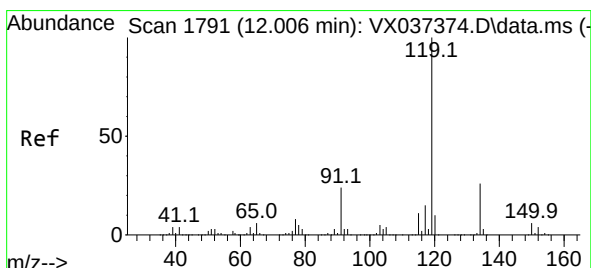
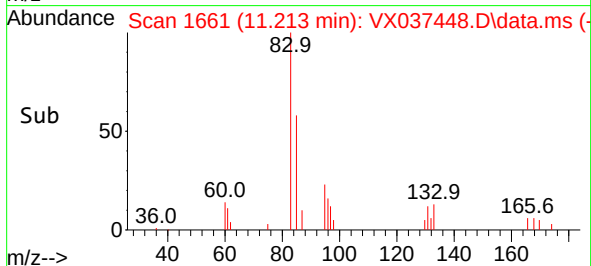
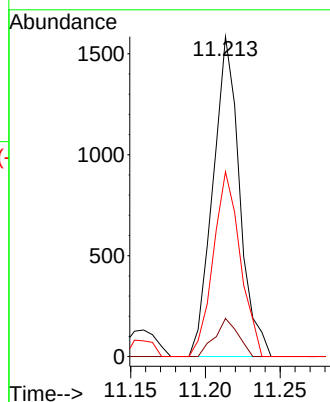
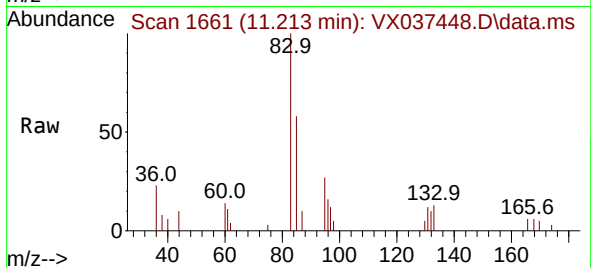
Tgt Ion:	83	Resp:	1964
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	58.5	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/01/2023

Supervised By :Mahesh Dadoda 09/01/2023



#86

p-Isopropyltoluene

Concen: 0.422 ug/l

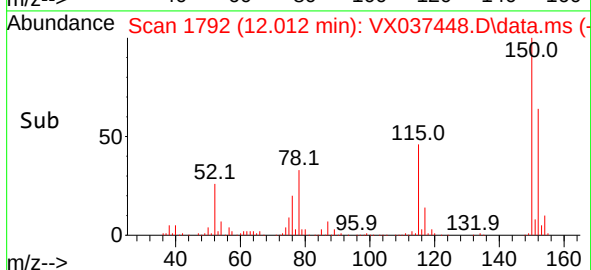
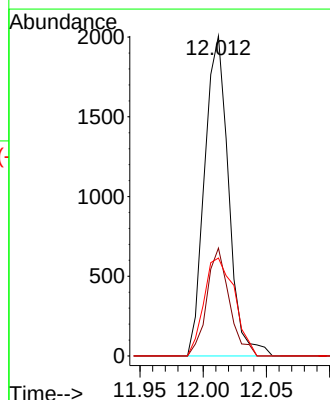
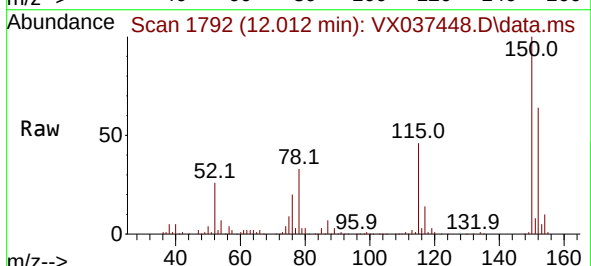
RT: 12.012 min Scan# 1792

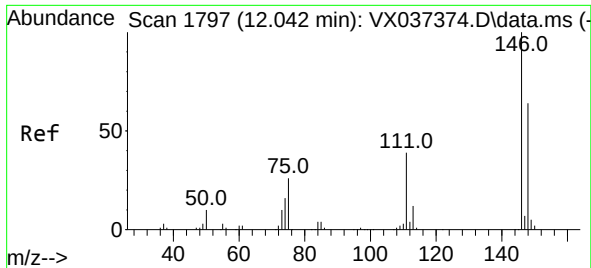
Delta R.T. 0.006 min

Lab File: VX037448.D

Acq: 31 Aug 2023 22:21

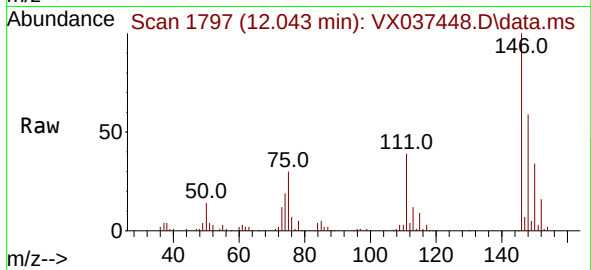
Tgt Ion:	119	Resp:	2646
Ion Ratio	Lower	Upper	
119	100		
134	31.7	12.8	38.3
91	39.1	13.1	39.3





#88
 1,4-Dichlorobenzene
 Concen: 8.230 ug/l
 RT: 12.043 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037448.D
 Acq: 31 Aug 2023 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-9.1-083023



Tgt Ion:146 Resp: 30498
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.3 63.7
 148 62.6 31.8 95.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/01/2023
 Supervised By :Mahesh Dadoda 09/01/2023

