

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112822\
 Data File : VX033100.D
 Acq On : 28 Nov 2022 19:19
 Operator : JC/MD
 Sample : N4955-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Nov 29 03:45:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	11360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77838	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	82781	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32096	29.286	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.633%		
60) 4-Bromofluorobenzene	11.079	95	43072	27.201	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.667%		
63) Toluene-d8	8.647	98	82793	29.636	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	2131	2.120	ug/l	98
3) Chloromethane	1.295	50	2465	2.471	ug/l	98
4) Vinyl Chloride	1.374	62	2863	2.538	ug/l	98
5) Bromomethane	1.618	94	2128	2.125	ug/l	95
6) Chloroethane	1.691	64	2292	2.572	ug/l	94
7) Trichlorofluoromethane	1.892	101	5579	2.565	ug/l	95
8) Diethyl Ether	2.136	74	1967	2.798	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	3051	2.637	ug/l	100
10) 1,1-Dichloroethene	2.319	96	2999	2.714	ug/l	92
11) Methyl Iodide	2.459	142	2232	1.879	ug/l	86
12) Methyl Acetate	3.111	43	2072	1.266	ug/l	95
13) Acrolein	2.239	56	2640	12.094	ug/l	91
14) Acrylonitrile	3.075	53	7207	12.281	ug/l	99
15) Acetone	2.392	58	2001	13.113	ug/l	98
16) Carbon Disulfide	2.514	76	7169	2.606	ug/l	100
17) Allyl chloride	2.666	41	4461	2.541	ug/l	90
18) Methylene Chloride	2.794	84	3304	2.592	ug/l #	91
19) trans-1,2-Dichloroethene	3.099	96	3021	2.482	ug/l #	83
20) Diisopropyl ether	3.764	45	9575	2.432	ug/l #	89
21) 1,1-Dichloroethane	3.611	63	5682	2.571	ug/l	92
22) cis-1,2-Dichloroethene	4.489	96	3512	2.471	ug/l #	71
23) tert-Butyl Alcohol	3.020	59	2677m	14.049	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	9360	2.365	ug/l	92
25) Chloroform	5.099	83	6207	2.518	ug/l	99
26) Cyclohexane	5.471	56	4575	2.370	ug/l #	86
29) 1,1-Dichloropropene	5.696	75	4457	2.582	ug/l	81
30) 2-Butanone	4.574	43	9900	12.299	ug/l #	73
31) 2,2-Dichloropropane	4.471	77	4074m	2.759	ug/l	
32) 1,1,1-Trichloroethane	5.391	97	5595	2.577	ug/l #	88
33) Carbon Tetrachloride	5.684	117	4661	2.445	ug/l #	82
34) Benzene	6.044	78	12415	2.552	ug/l #	91
35) Methacrylonitrile	4.928	41	1890m	2.073	ug/l	
36) 1,2-Dichloroethane	6.092	62	5468	2.731	ug/l #	85
37) Trichloroethene	7.129	130	3427	2.518	ug/l	99
38) Methylcyclohexane	7.379	83	4699	2.429	ug/l	89
39) 1,2-Dichloropropane	7.434	63	3082	2.503	ug/l	96
40) Dibromomethane	7.592	93	2449	2.605	ug/l	94
41) Bromodichloromethane	7.824	83	4507	2.515	ug/l	92
42) Vinyl Acetate	3.727	43	35860	11.594	ug/l #	90

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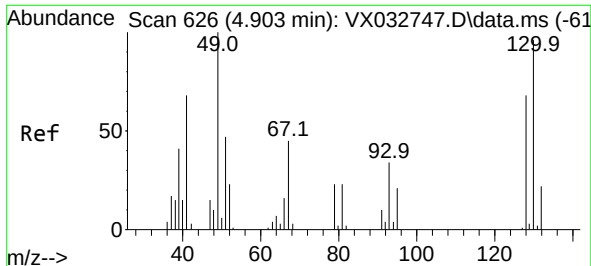
Quant Time: Nov 29 03:45:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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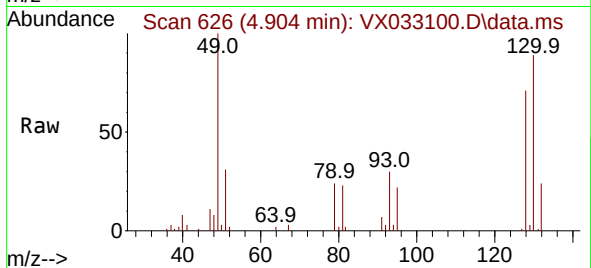
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	4081	2.520	ug/l #	89
44) Isopropyl Acetate	6.342	43	6258	2.306	ug/l #	91
45) 1,4-Dioxane	7.708	88	1629m	62.500	ug/l	
46) Methyl methacrylate	7.702	41	3124	2.287	ug/l	93
47) n-amyl Acetate	10.848	43	4561	1.891	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	3889	2.116	ug/l	94
49) cis-1,3-Dichloropropene	8.373	75	4676	2.409	ug/l #	90
50) 1,1,2-Trichloroethane	9.153	97	3314	2.564	ug/l #	90
51) Ethyl methacrylate	9.116	69	4117	2.133	ug/l	90
52) 1,3-Dichloropropane	9.311	76	5621	2.660	ug/l	93
53) Dibromochloromethane	9.525	129	3277	2.331	ug/l	98
54) 1,2-Dibromoethane	9.610	107	3511	2.522	ug/l	100
55) 2-Chloroethyl vinyl ether	8.245	63	9969	10.687	ug/l	93
56) Bromoform	10.799	173	2186	2.172	ug/l	95
58) 4-Methyl-2-Pentanone	8.574	43	20178	12.452	ug/l #	90
59) 2-Hexanone	9.433	43	14489	12.144	ug/l	87
61) Tetrachloroethene	9.275	164	3047	2.634	ug/l	90
62) Toluene	8.720	91	13705	2.546	ug/l	98
64) Chlorobenzene	10.080	112	8597	2.583	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.165	131	3161	2.493	ug/l	97
66) Ethyl Benzene	10.195	91	14755	2.443	ug/l	95
67) m/p-Xylenes	10.299	106	10751	4.575	ug/l	85
68) o-Xylene	10.640	106	5302	2.299	ug/l	85
69) Styrene	10.659	104	8974	2.341	ug/l	96
70) Isopropylbenzene	10.964	105	14425	2.343	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.213	83	4921	2.635	ug/l	97
72) 1,2,3-Trichloropropane	11.244	75	4371m	2.695	ug/l	
73) Bromobenzene	11.201	156	3772	2.522	ug/l	89
74) n-propylbenzene	11.305	91	15735	2.249	ug/l	93
75) 2-Chlorotoluene	11.366	91	9978	2.356	ug/l	93
76) 1,3,5-Trimethylbenzene	11.451	105	11411	2.192	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	966	1.952	ug/l	78
78) 4-Chlorotoluene	11.457	91	11248	2.305	ug/l	89
79) tert-butylbenzene	11.713	119	12073	2.387	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	11386	2.237	ug/l	96
81) sec-Butylbenzene	11.890	105	13435	2.206	ug/l	95
82) p-Isopropyltoluene	12.012	119	10828	2.110	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	6335	2.308	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	6588	2.391	ug/l	99
85) n-Butylbenzene	12.335	91	9186	2.112	ug/l	91
86) Hexachloroethane	12.536	117	1908	2.265	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	6448	2.364	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	819	2.067	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	3752	2.239	ug/l	99
90) Hexachlorobutadiene	13.725	225	1689	2.505	ug/l	97
91) Naphthalene	13.780	128	11485	2.031	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	3820	2.267	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

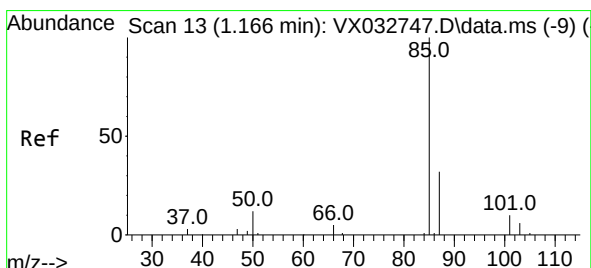
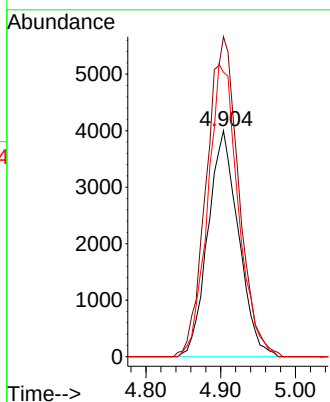
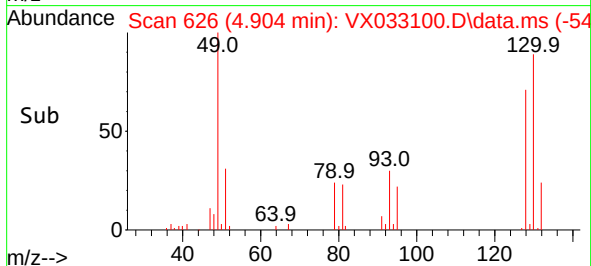
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion:128 Resp: 11360
Ion Ratio Lower Upper
128 100
49 150.0 0.0 293.0
130 129.4 0.0 321.5

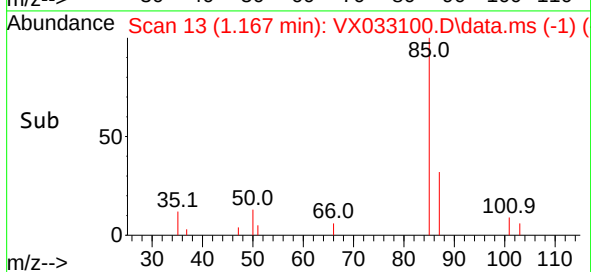
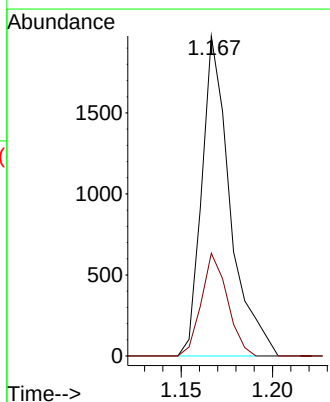
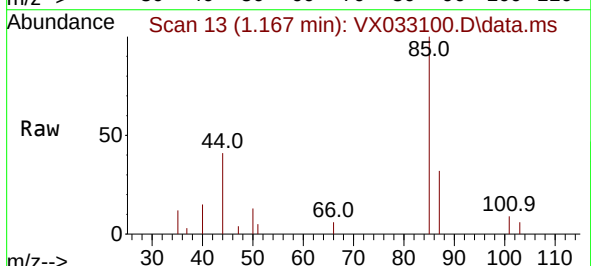
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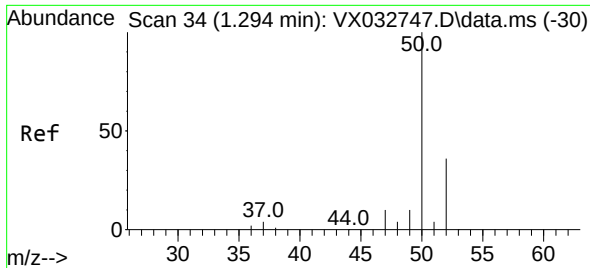
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#2
Dichlorodifluoromethane
Concen: 2.120 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 85 Resp: 2131
Ion Ratio Lower Upper
85 100
87 32.1 16.5 49.5





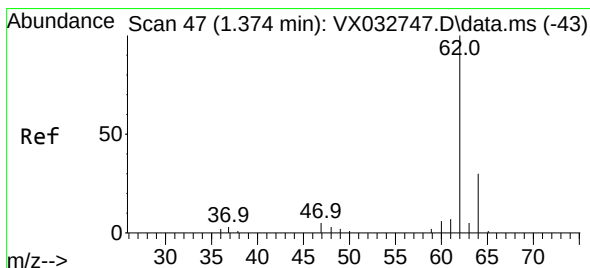
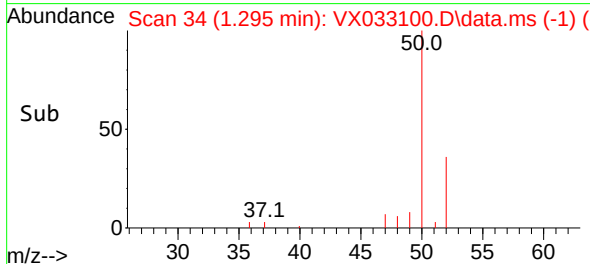
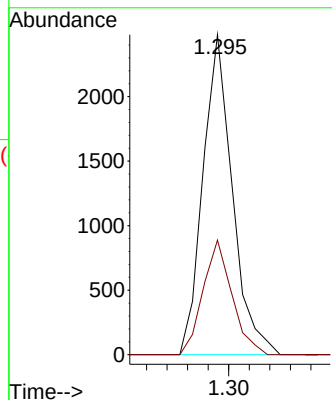
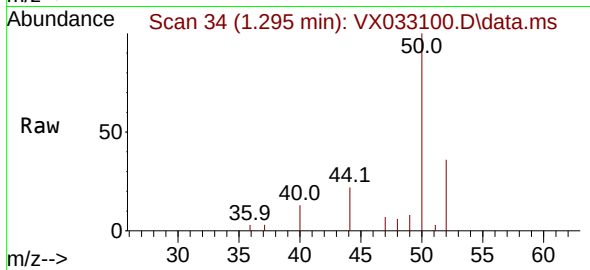
#3
Chloromethane
Concen: 2.471 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 35.8 27.6 41.4

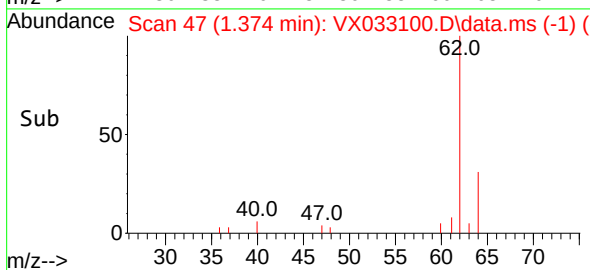
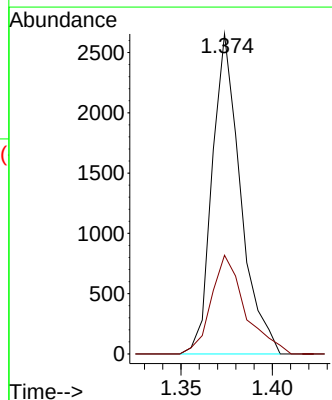
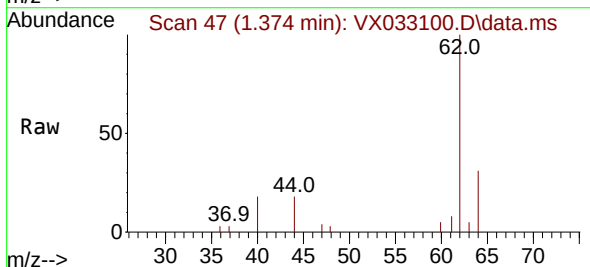
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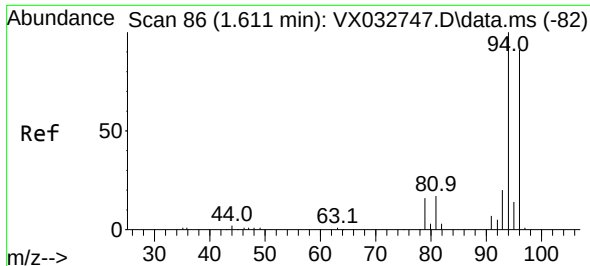
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#4
Vinyl Chloride
Concen: 2.538 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 62 Resp: 2863
Ion Ratio Lower Upper
62 100
64 30.8 25.7 38.5





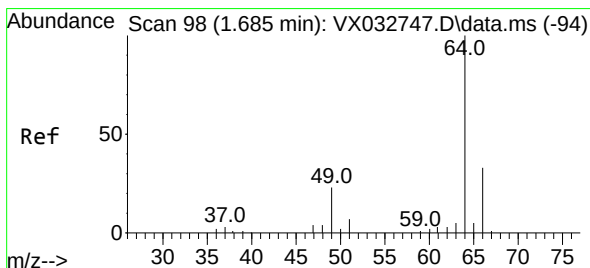
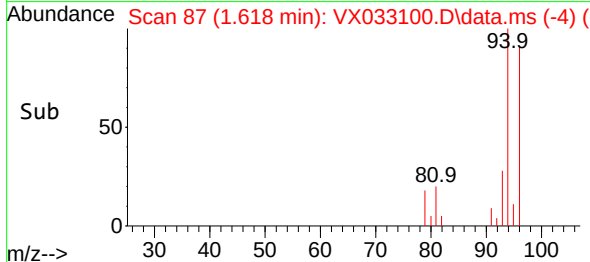
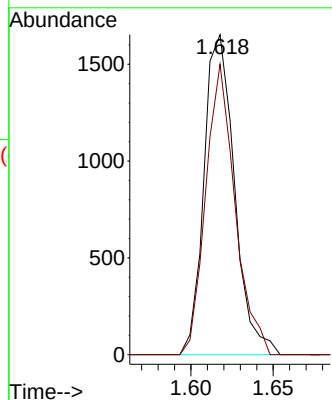
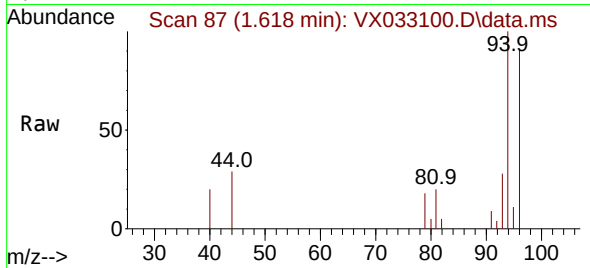
#5
Bromomethane
Concen: 2.125 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 94 Resp: 2128
Ion Ratio Lower Upper
94 100
96 90.7 76.8 115.2

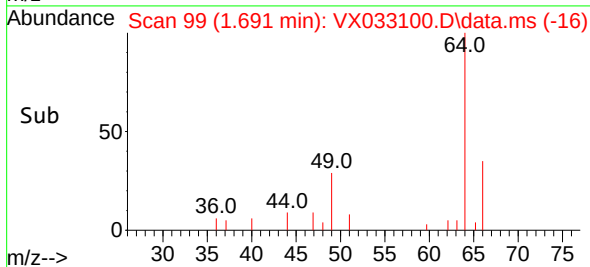
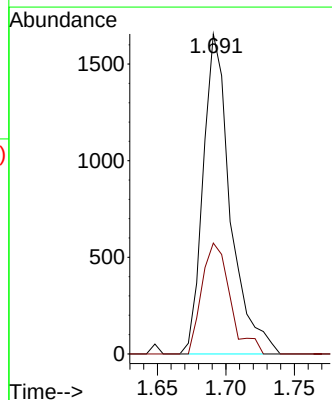
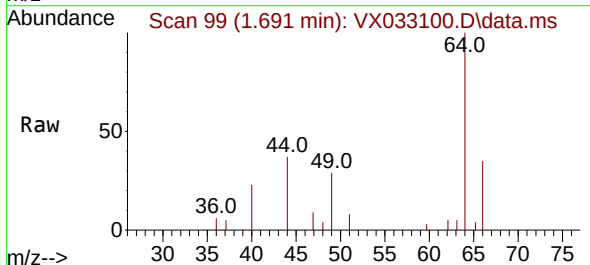
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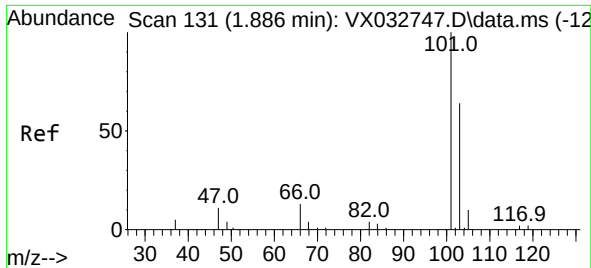
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#6
Chloroethane
Concen: 2.572 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 64 Resp: 2292
Ion Ratio Lower Upper
64 100
66 34.7 30.6 46.0





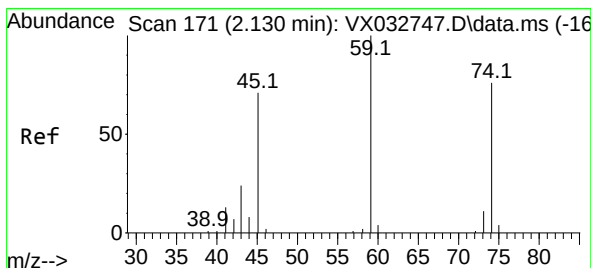
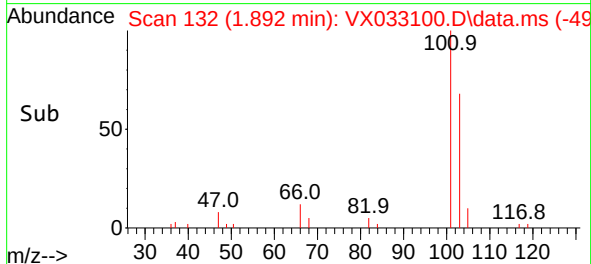
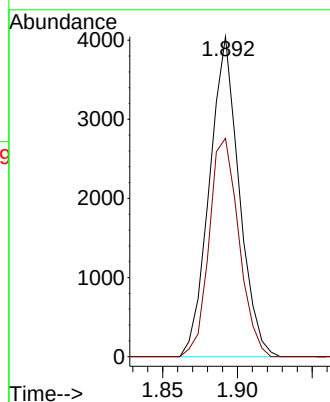
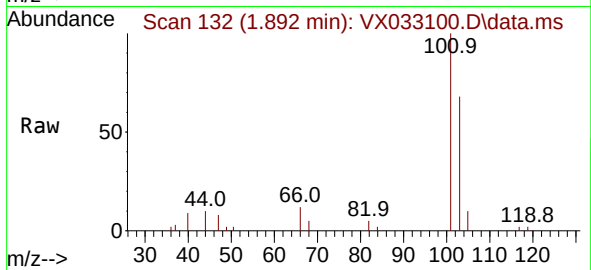
#7
Trichlorofluoromethane
Concen: 2.565 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:101 Resp: 5579
Ion Ratio Lower Upper
101 100
103 68.2 51.7 77.5

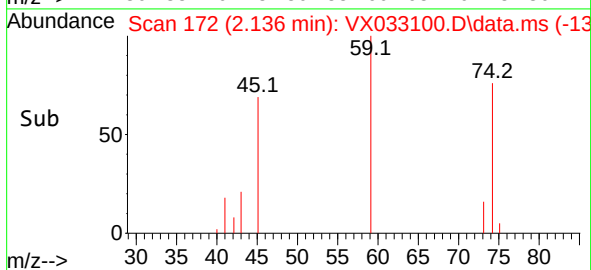
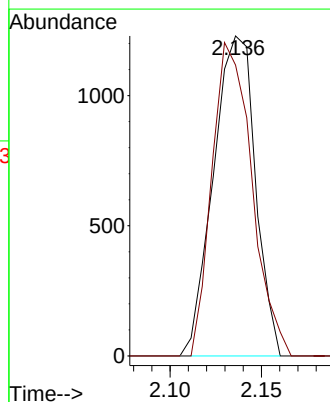
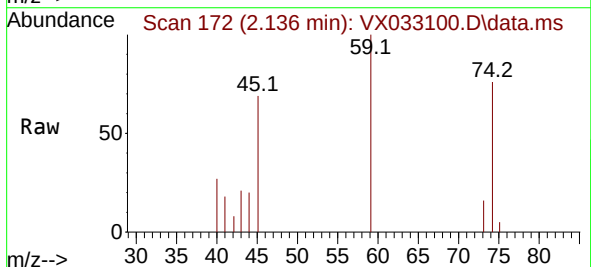
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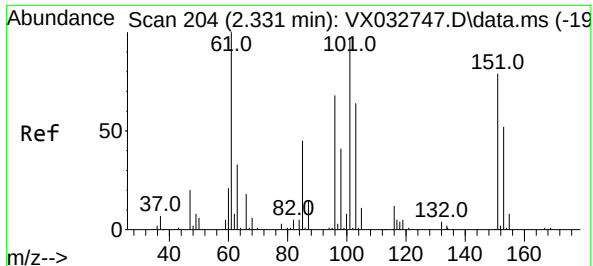
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#8
Diethyl Ether
Concen: 2.798 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 74 Resp: 1967
Ion Ratio Lower Upper
74 100
45 93.1 14.2 127.8





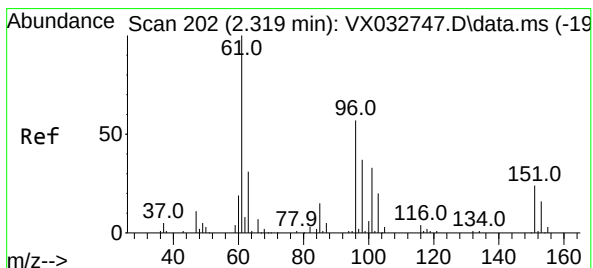
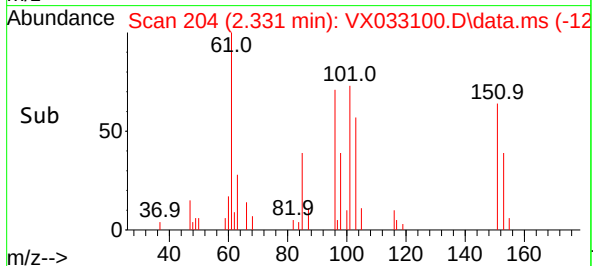
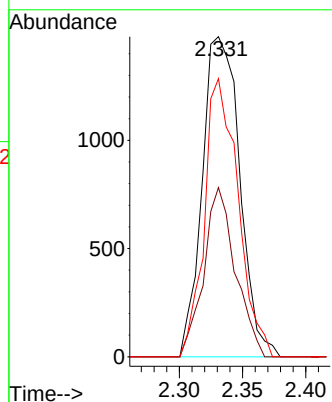
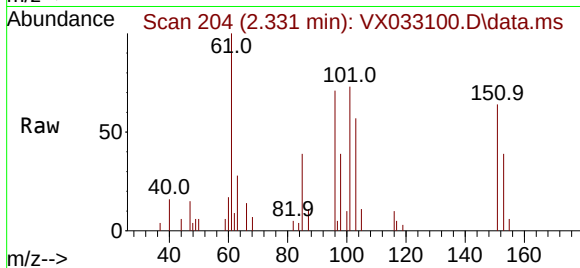
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.637 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 101 Resp: 305
Ion Ratio Lower Upper
101 100
85 44.6 0.0 88.8
151 77.8 0.0 156.6

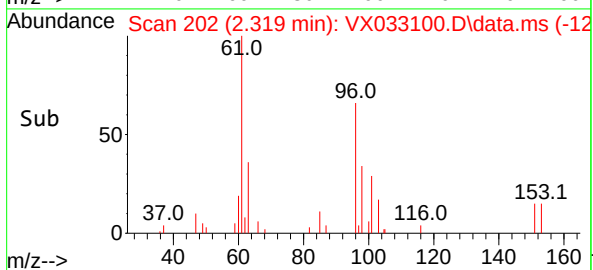
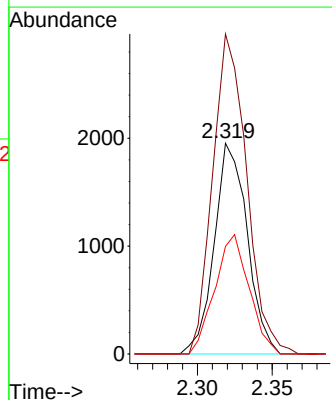
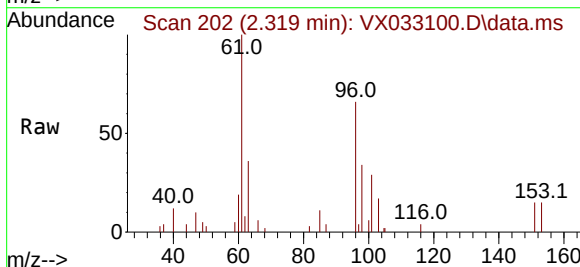
Manual Integrations
APPROVED

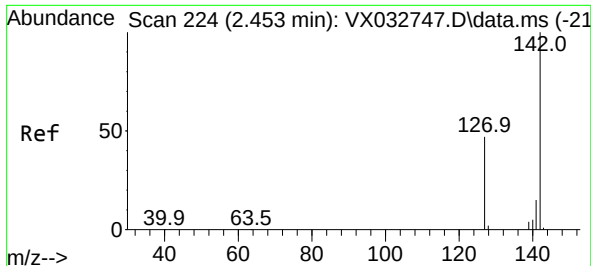
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#10
1,1-Dichloroethene
Concen: 2.714 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 96 Resp: 2999
Ion Ratio Lower Upper
96 100
61 151.8 115.8 173.6
98 51.0 49.7 74.5





#11

Methyl Iodide

Concen: 1.879 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:142 Resp: 223

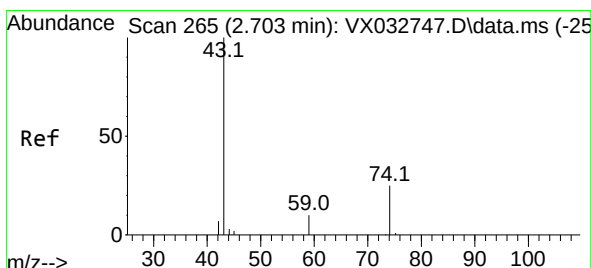
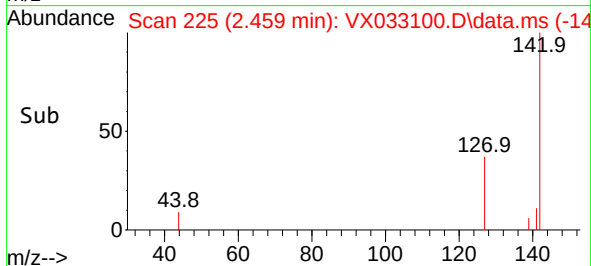
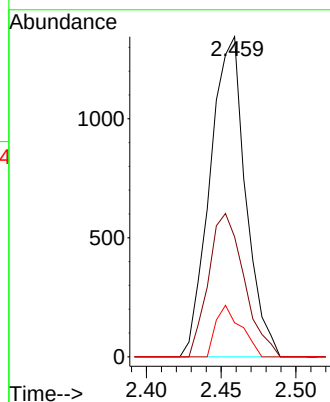
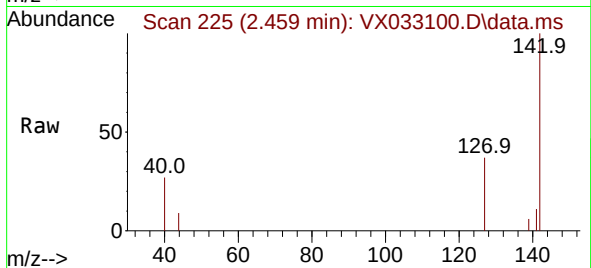
Ion	Ratio	Lower	Upper
142	100		
127	37.5	23.8	71.2
141	10.6	7.6	22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#12

Methyl Acetate

Concen: 1.266 ug/l

RT: 3.111 min Scan# 332

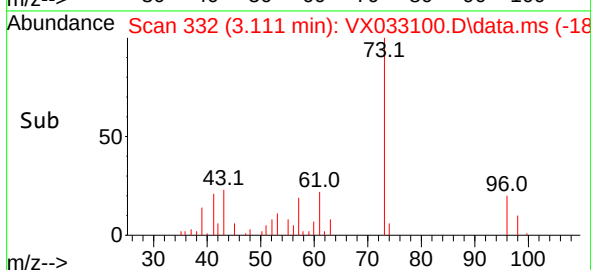
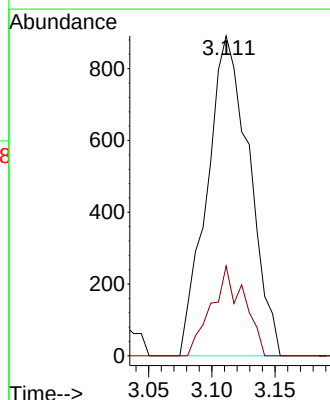
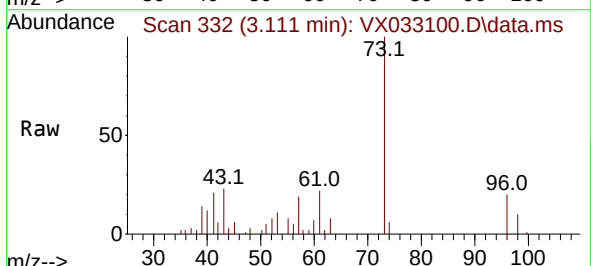
Delta R.T. 0.409 min

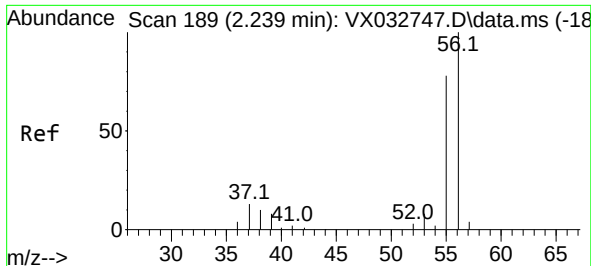
Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion: 43 Resp: 2072

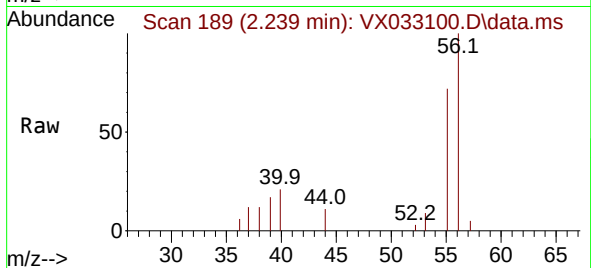
Ion	Ratio	Lower	Upper
43	100		
74	28.1	24.8	37.2





#13
Acrolein
Concen: 12.094 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

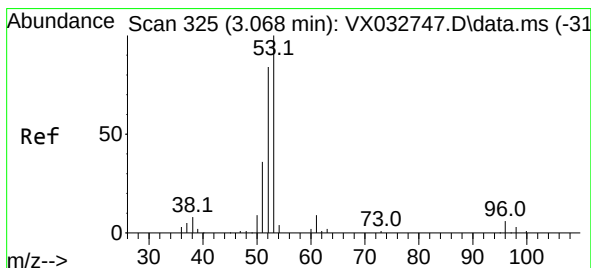
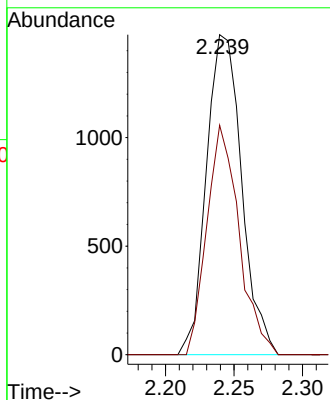
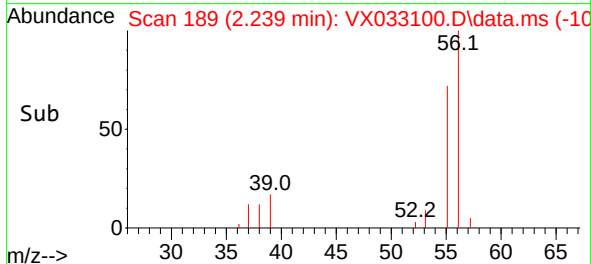
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



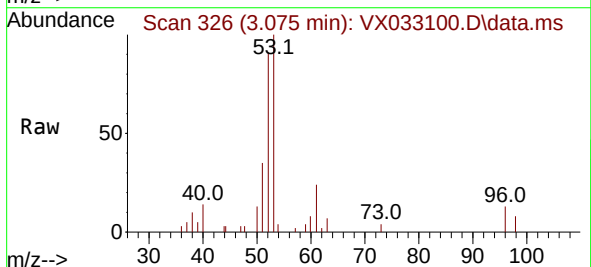
Tgt Ion: 56 Resp: 2640
Ion Ratio Lower Upper
56 100
55 65.5 58.4 87.6

Manual Integrations
APPROVED

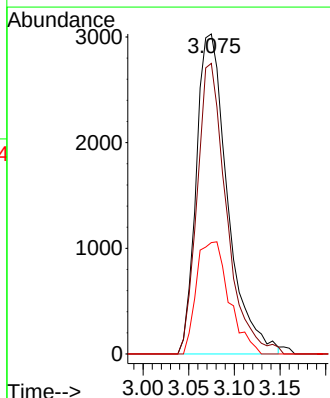
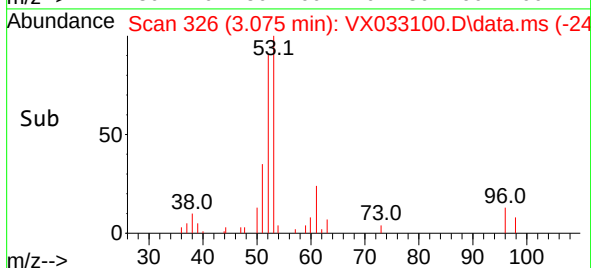
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022

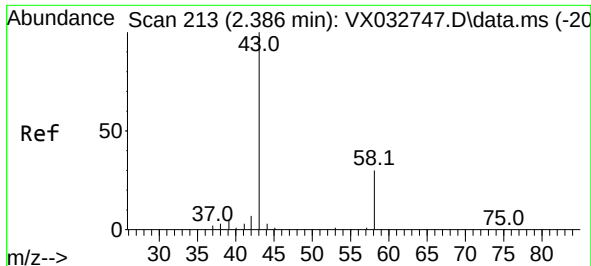


#14
Acrylonitrile
Concen: 12.281 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19



Tgt Ion: 53 Resp: 7207
Ion Ratio Lower Upper
53 100
52 84.4 41.5 124.5
51 36.5 18.3 54.9





#15

Acetone

Concen: 13.113 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

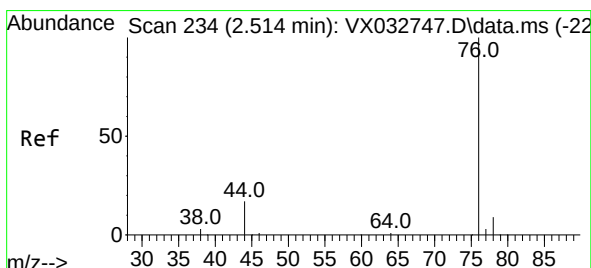
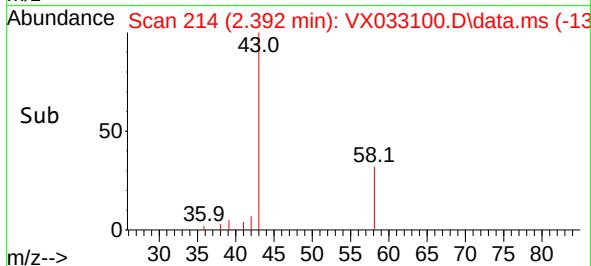
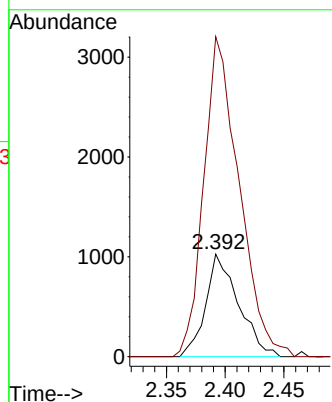
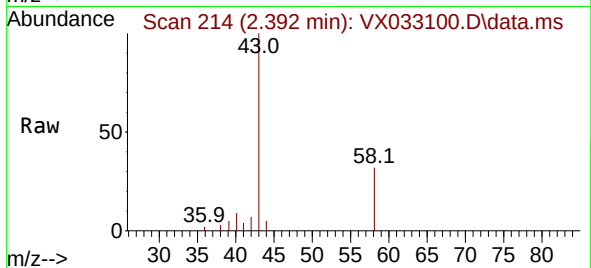
Tgt Ion: 58 Resp: 200
 Ion Ratio Lower Upper
 58 100
 43 306.3 242.6 364.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#16

Carbon Disulfide

Concen: 2.606 ug/l

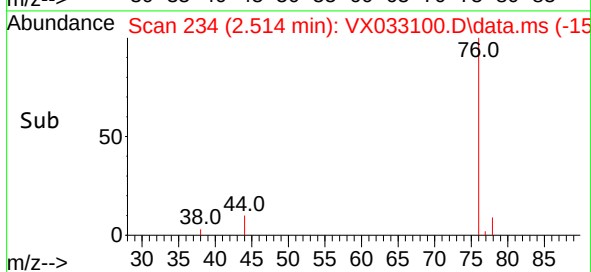
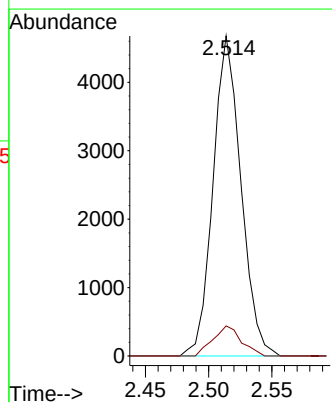
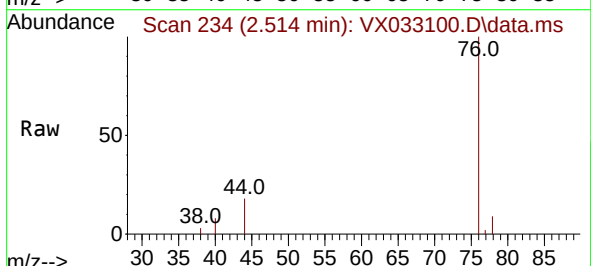
RT: 2.514 min Scan# 234

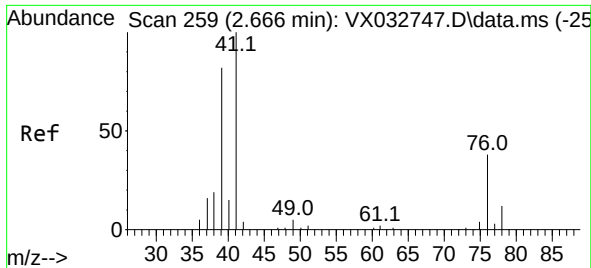
Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion: 76 Resp: 7169
 Ion Ratio Lower Upper
 76 100
 78 9.4 7.5 11.3





#17

Allyl chloride

Concen: 2.541 ug/l

RT: 2.666 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

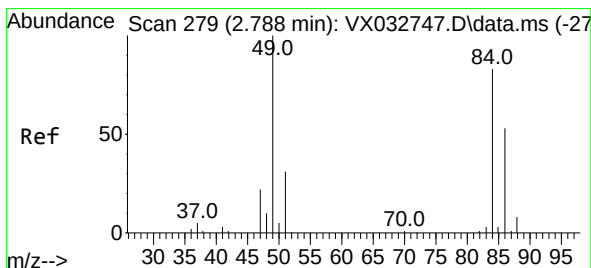
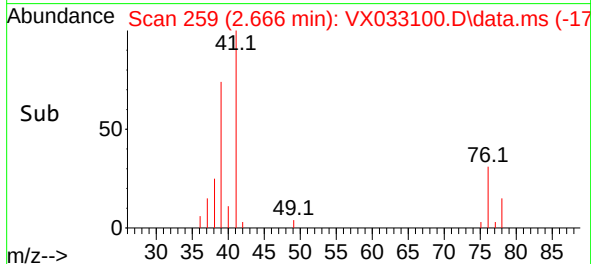
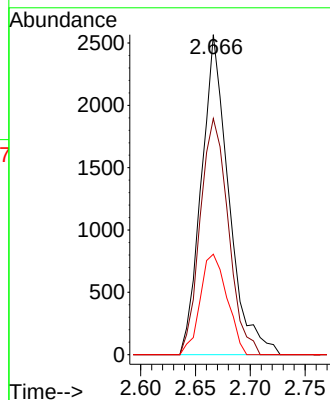
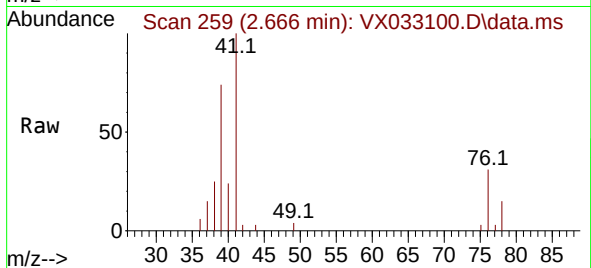
ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:	41	Resp:	446
Ion	Ratio	Lower	Upper
41	100		
39	73.8	37.0	111.0
76	31.4	23.8	71.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#18

Methylene Chloride

Concen: 2.592 ug/l

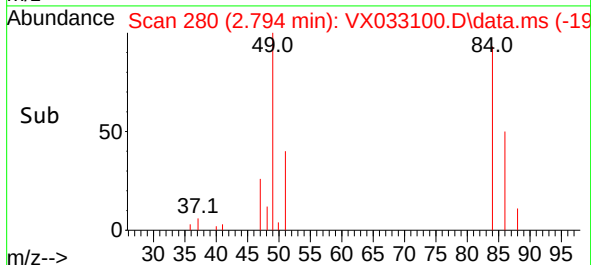
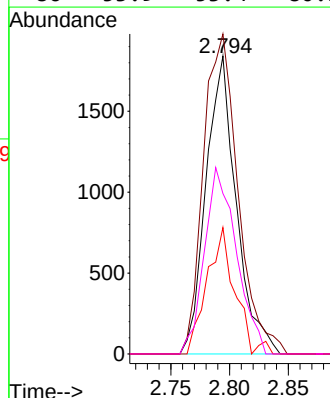
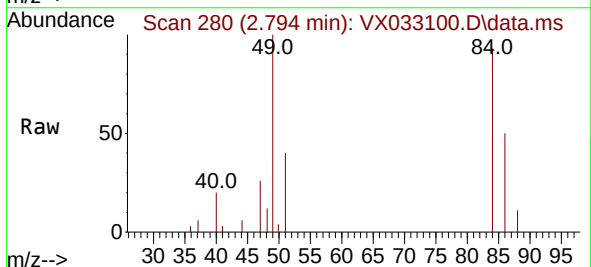
RT: 2.794 min Scan# 280

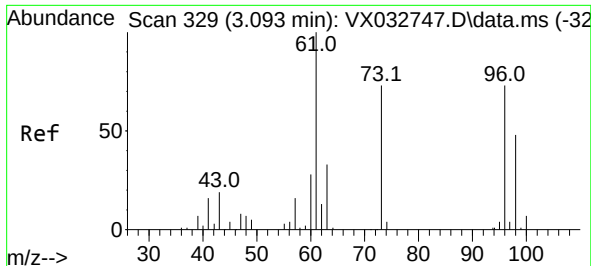
Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion:	84	Resp:	3304
Ion	Ratio	Lower	Upper
84	100		
49	107.4	84.6	127.0
51	42.5	26.5	39.7
86	53.9	53.4	80.2





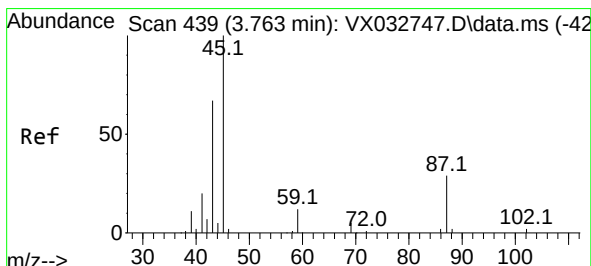
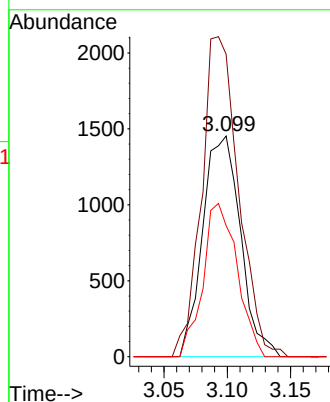
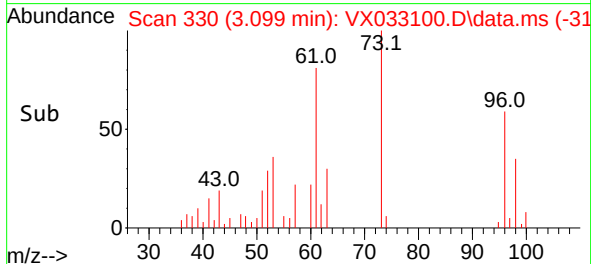
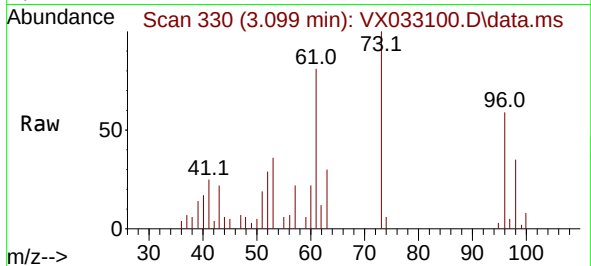
#19
trans-1,2-Dichloroethene
Concen: 2.482 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 96 Resp: 302
Ion Ratio Lower Upper
96 100
61 133.6 87.4 131.0#
98 59.4 51.5 77.3

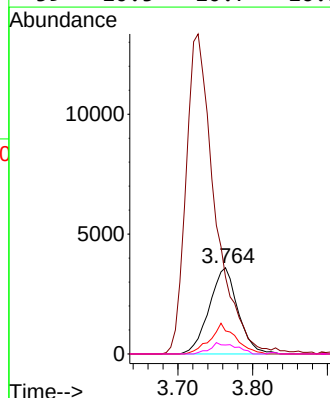
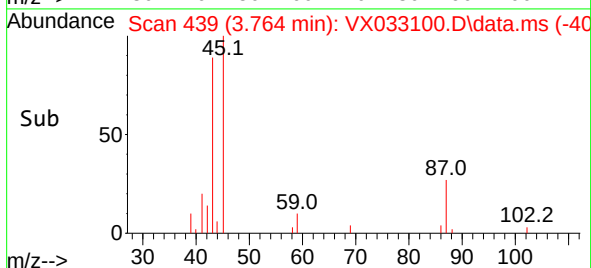
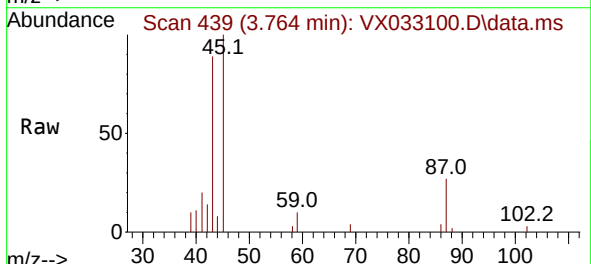
Manual Integrations
APPROVED

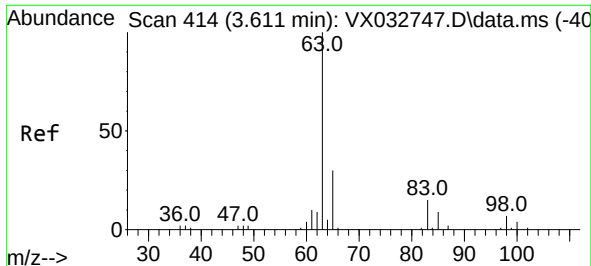
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#20
Diisopropyl ether
Concen: 2.432 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 45 Resp: 9575
Ion Ratio Lower Upper
45 100
43 85.8 74.5 111.7
87 26.7 30.4 45.6#
59 10.5 10.7 16.1#





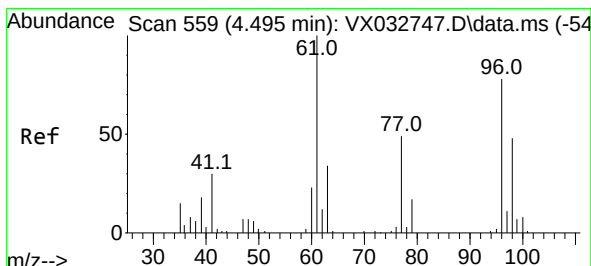
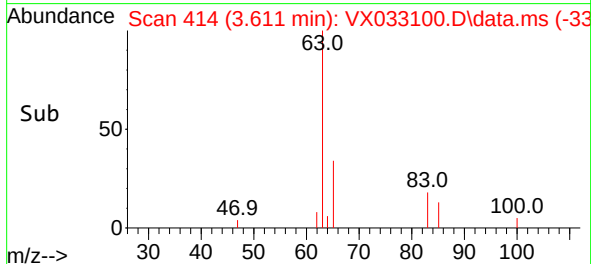
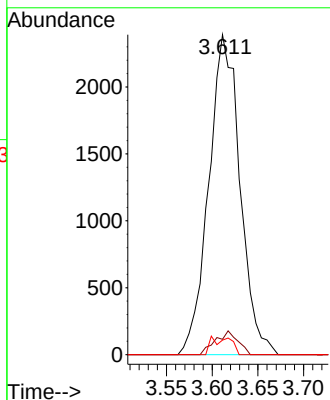
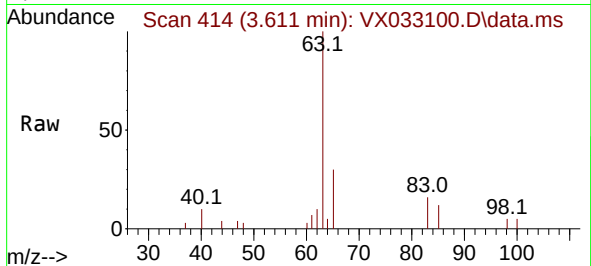
#21
1,1-Dichloroethane
Concen: 2.571 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 63 Resp: 568
Ion Ratio Lower Upper
63 100
98 4.8 4.5 13.7
100 4.5 2.8 8.3

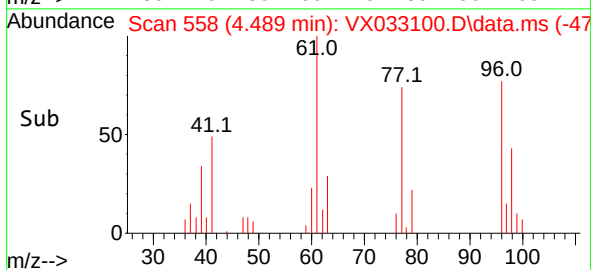
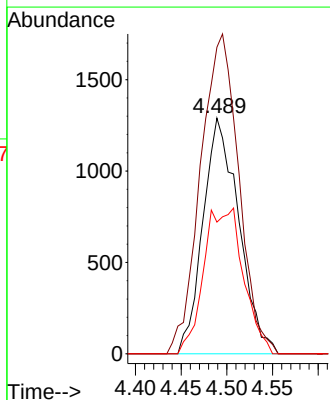
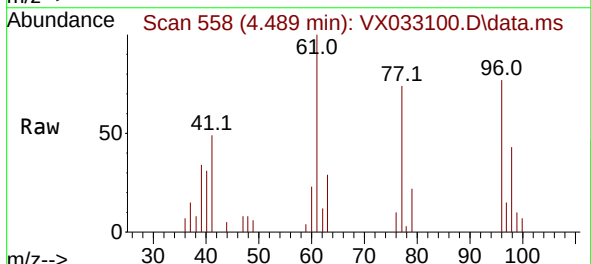
Manual Integrations
APPROVED

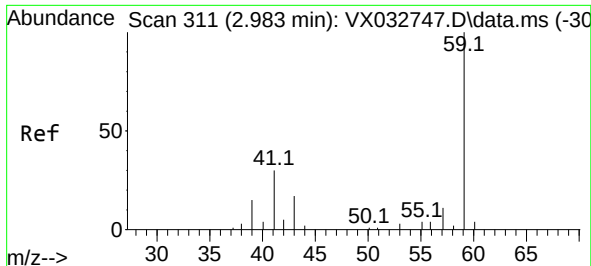
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#22
cis-1,2-Dichloroethene
Concen: 2.471 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 96 Resp: 3512
Ion Ratio Lower Upper
96 100
61 145.2 98.0 147.0
98 28.2 52.2 78.4#





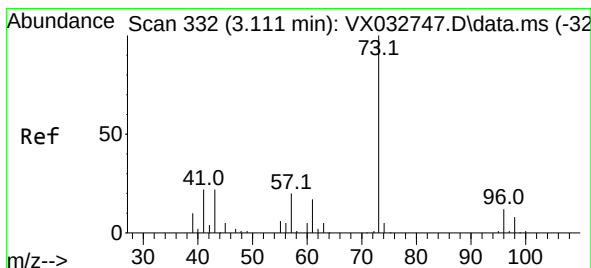
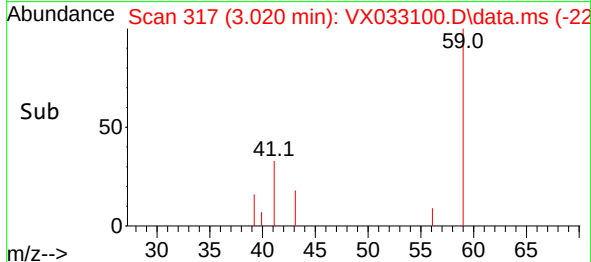
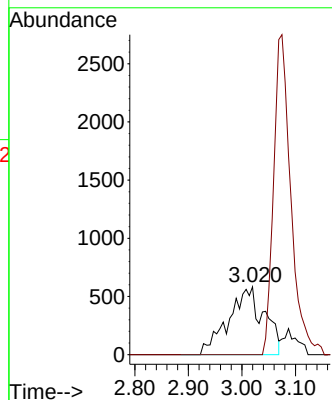
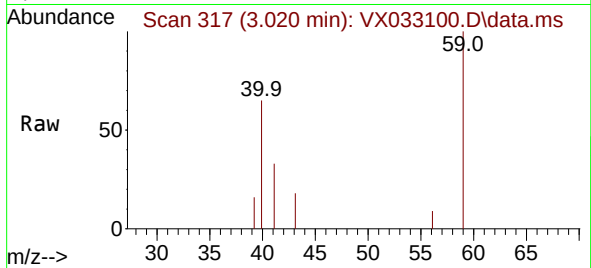
#23
tert-Butyl Alcohol
Concen: 14.049 ug/l m
RT: 3.020 min Scan# 311
Delta R.T. 0.037 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

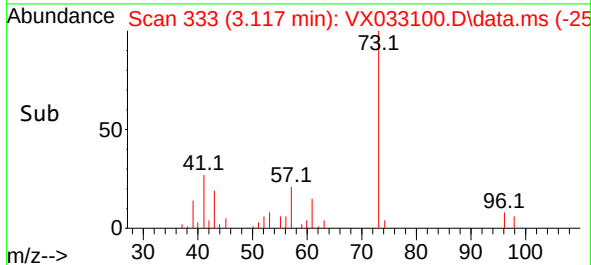
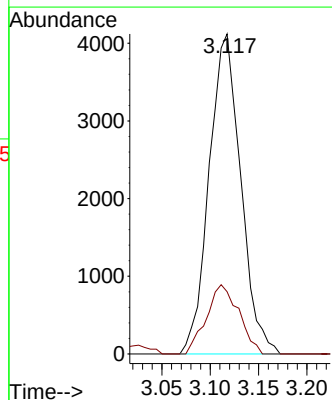
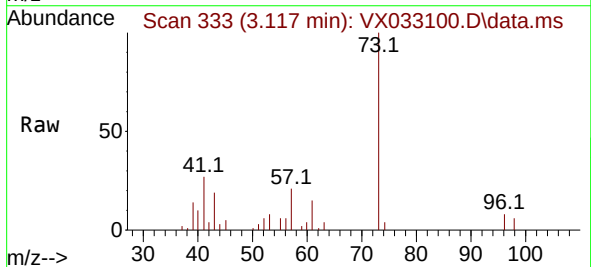
Manual Integrations
APPROVED

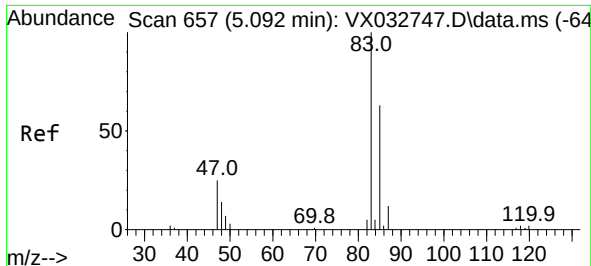
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#24
Methyl tert-Butyl Ether
Concen: 2.365 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 73 Resp: 9360
Ion Ratio Lower Upper
73 100
43 22.1 14.8 22.2





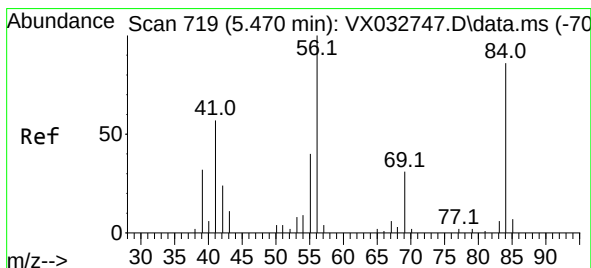
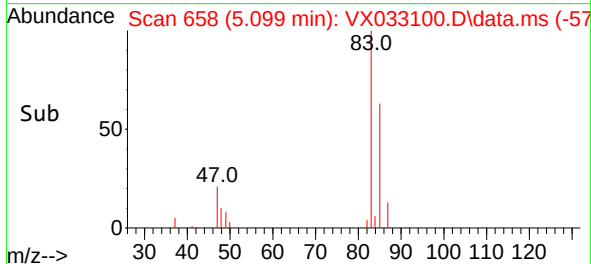
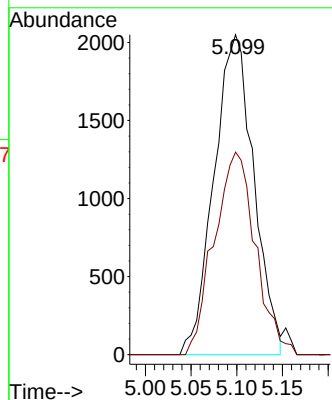
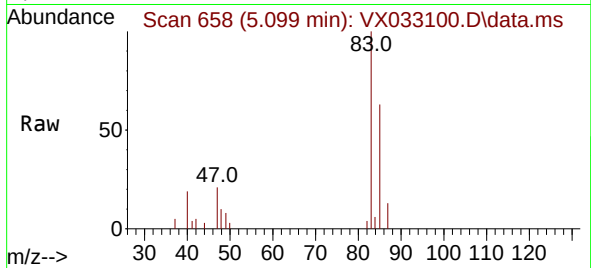
#25
Chloroform
Concen: 2.518 ug/l
RT: 5.099 min Scan# 610
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 83 Resp: 620
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.0

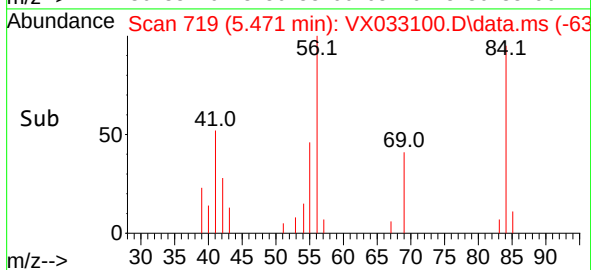
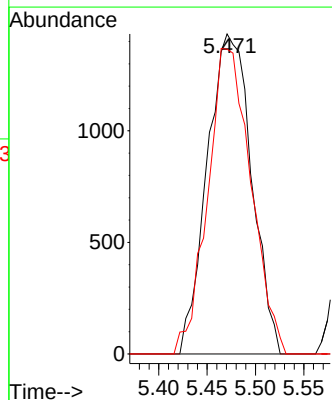
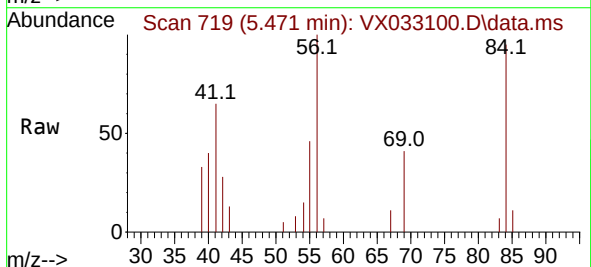
Manual Integrations
APPROVED

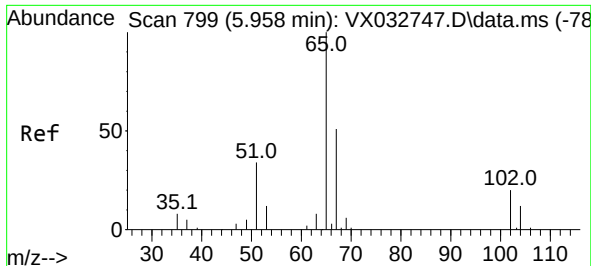
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#26
Cyclohexane
Concen: 2.370 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 56 Resp: 4575
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.1 86.6 130.0





#27

1,2-Dichloroethane-d4

Concen: 29.286 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 65 Resp: 32090

Ion Ratio Lower Upper

65 100

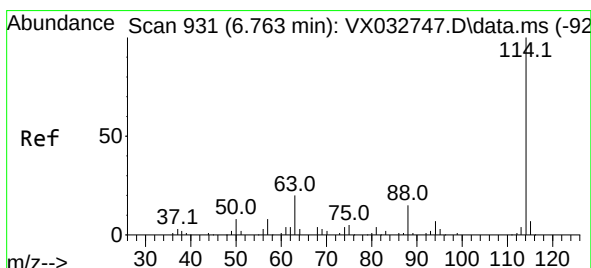
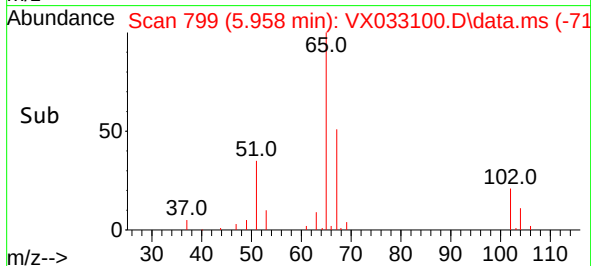
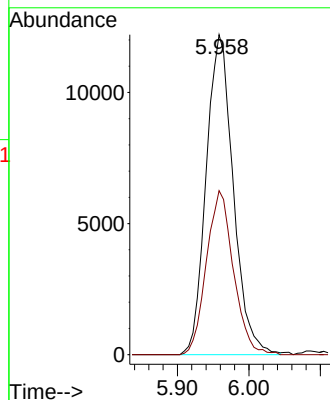
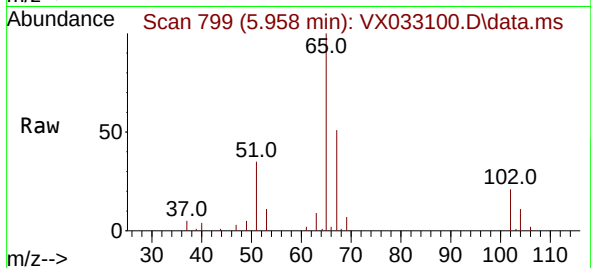
67 51.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

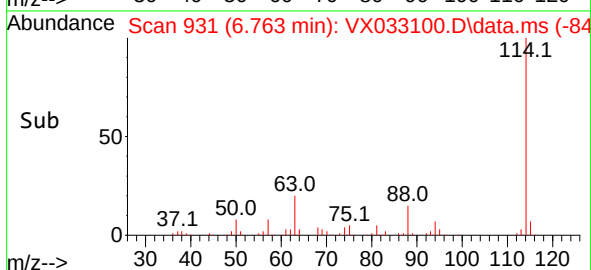
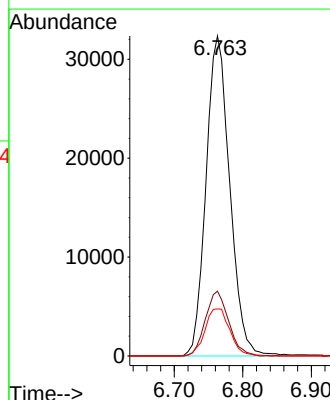
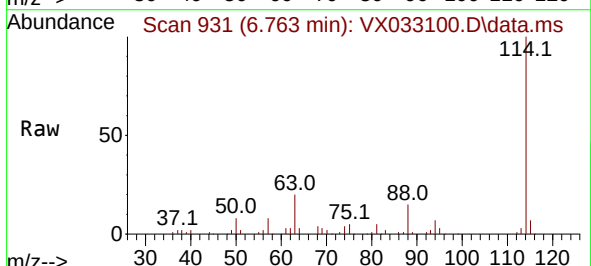
Tgt Ion:114 Resp: 77838

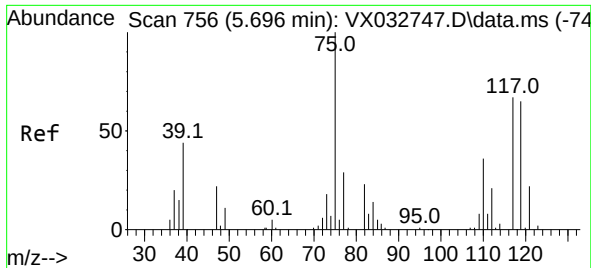
Ion Ratio Lower Upper

114 100

63 19.8 13.6 20.4

88 15.4 11.8 17.6





#29

1,1-Dichloropropene

Concen: 2.582 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

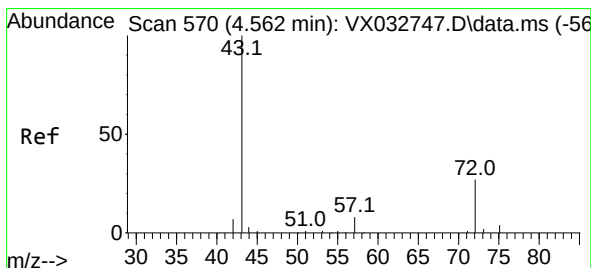
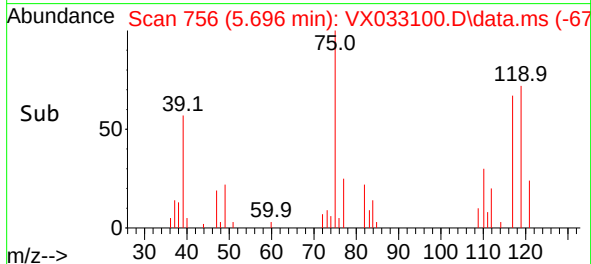
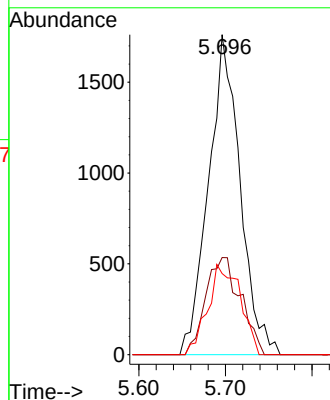
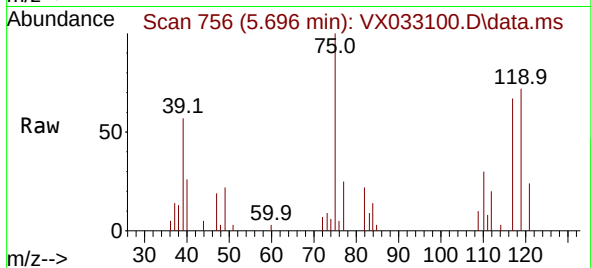
Tgt Ion: 75	Resp: 445
Ion Ratio	Lower Upper
75 100	
110 27.7	0.0 80.4
77 21.5	0.0 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#30

2-Butanone

Concen: 12.299 ug/l

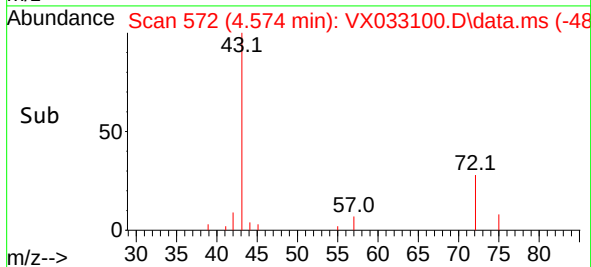
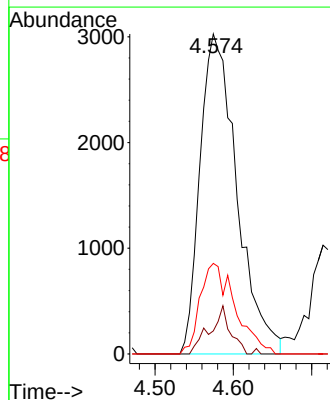
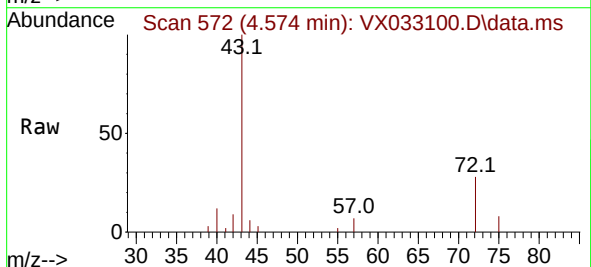
RT: 4.574 min Scan# 572

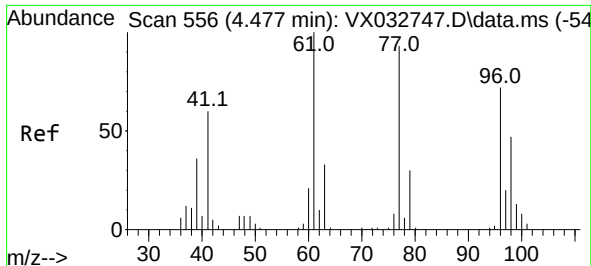
Delta R.T. 0.012 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion: 43	Resp: 9900
Ion Ratio	Lower Upper
43 100	
57 2.4	7.5 11.3#
72 16.8	26.6 39.8#





#31

2,2-Dichloropropane

Concen: 2.759 ug/l m

RT: 4.471 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 77 Resp: 4074

Ion Ratio Lower Upper

77 100

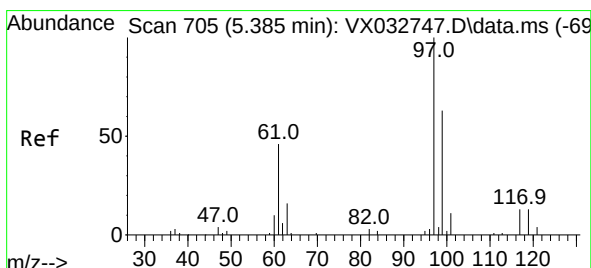
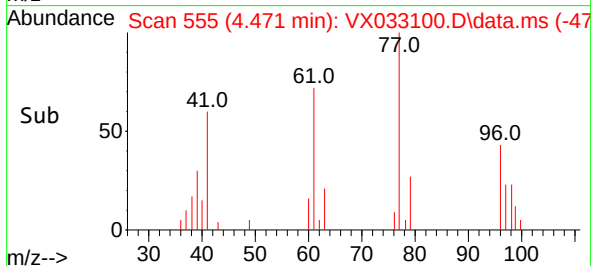
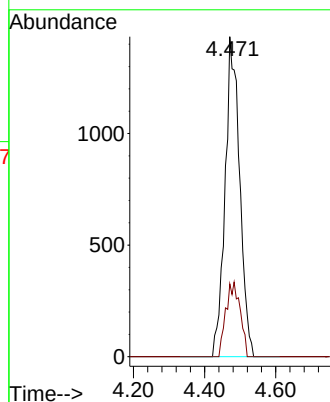
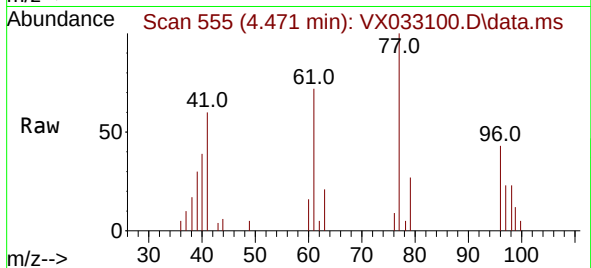
97 22.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#32

1,1,1-Trichloroethane

Concen: 2.577 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

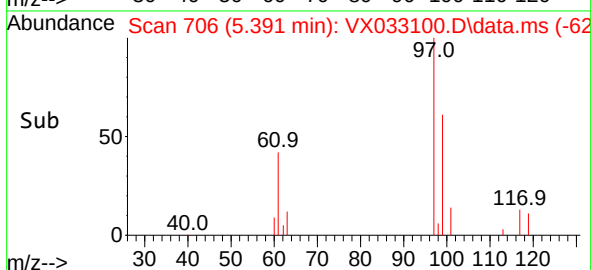
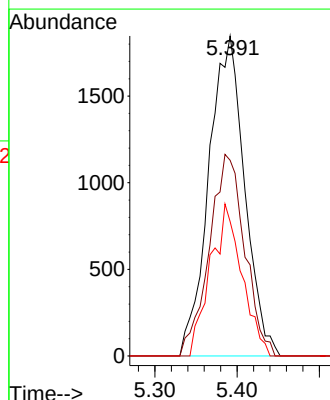
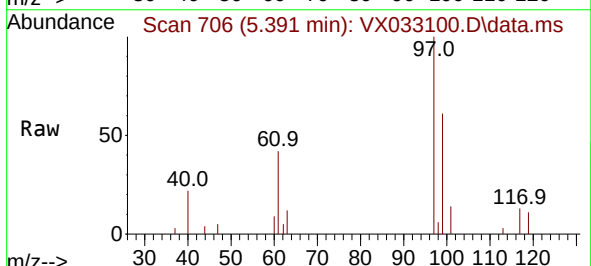
Tgt Ion: 97 Resp: 5595

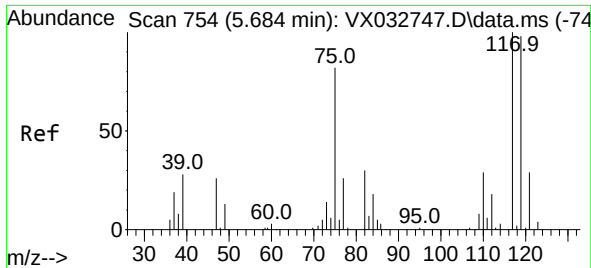
Ion Ratio Lower Upper

97 100

99 62.4 53.8 80.6

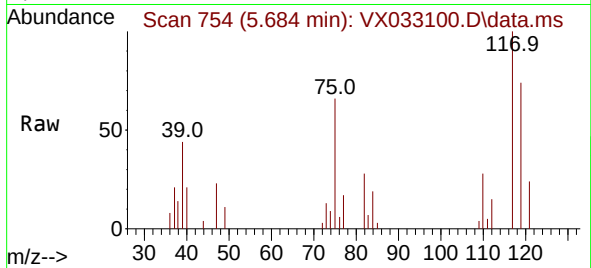
61 25.3 31.3 46.9#





#33
Carbon Tetrachloride
Concen: 2.445 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

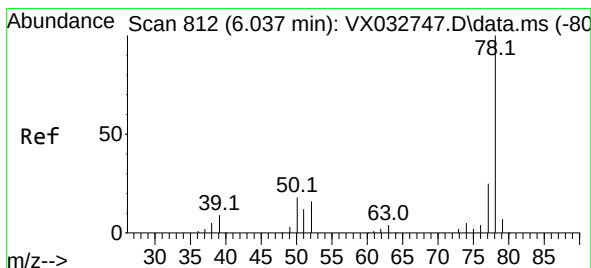
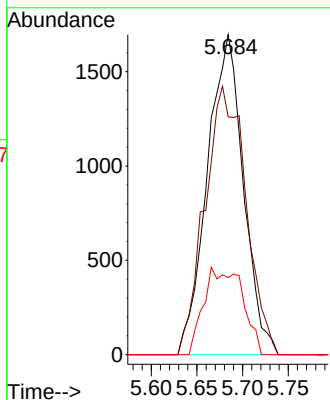
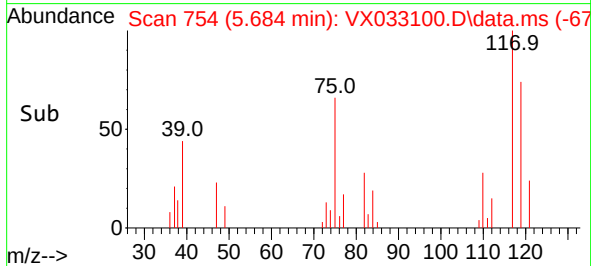
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



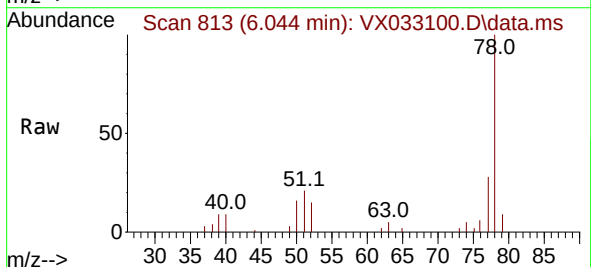
Tgt Ion: 117 Resp: 466
Ion Ratio Lower Upper
117 100
119 74.4 75.4 113.2
121 24.1 24.4 36.6

Manual Integrations
APPROVED

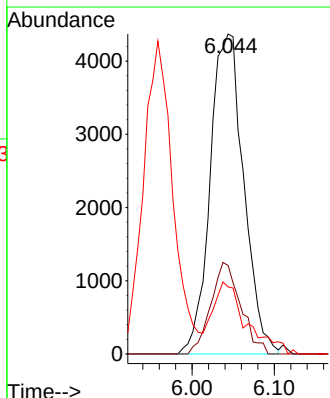
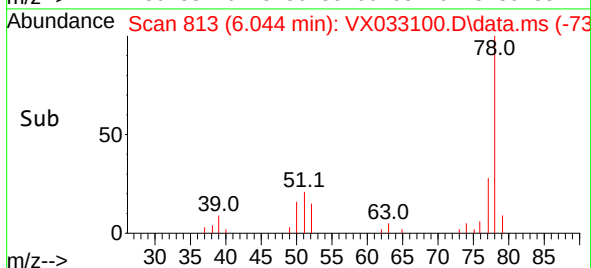
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022

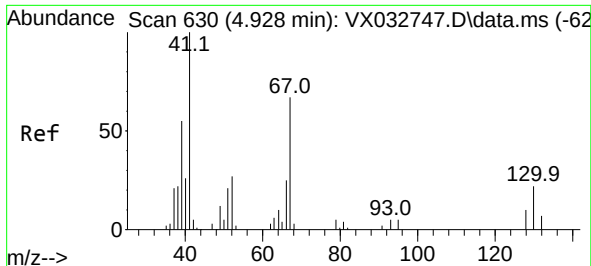


#34
Benzene
Concen: 2.552 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19



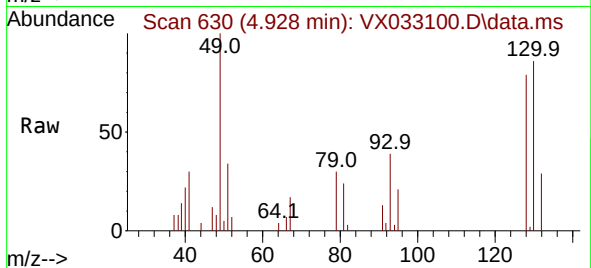
Tgt Ion: 78 Resp: 12415
Ion Ratio Lower Upper
78 100
77 27.6 19.0 28.6
51 17.1 10.6 15.8





#35
Methacrylonitrile
Concen: 2.073 ug/l m
RT: 4.928 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

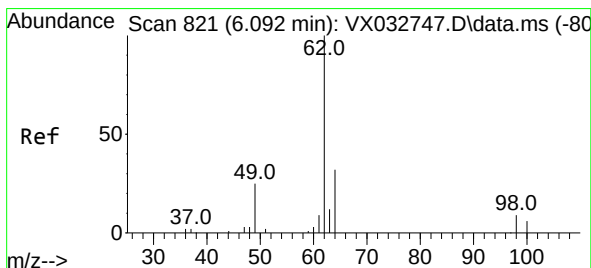
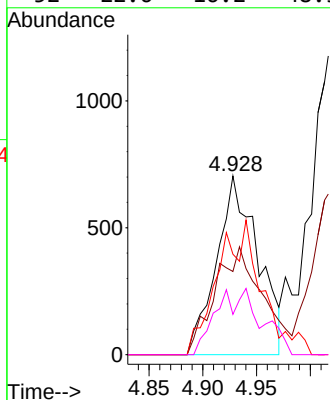
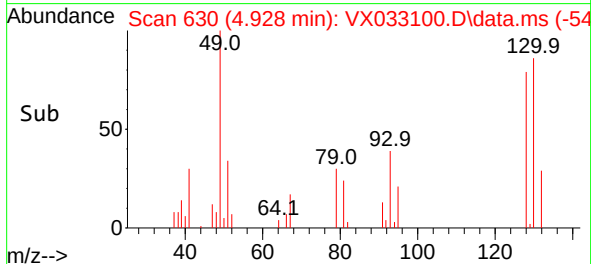
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 41 Resp: 1890
Ion Ratio Lower Upper
41 100
39 46.6 26.9 80.7
67 56.3 40.6 121.8
52 22.6 16.2 48.5

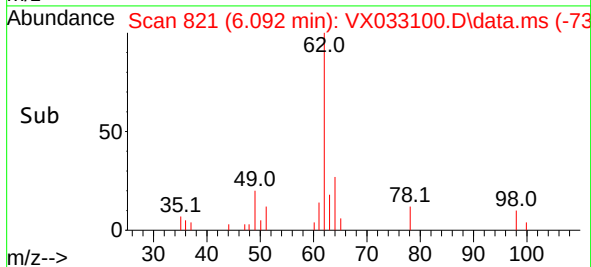
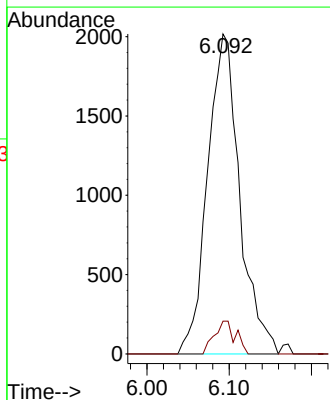
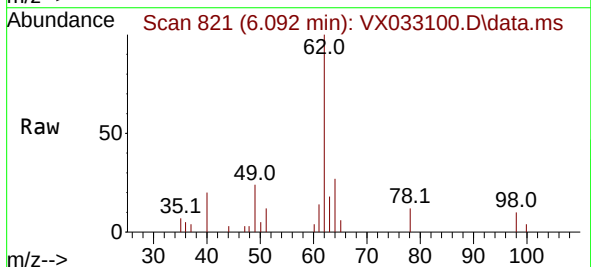
Manual Integrations
APPROVED

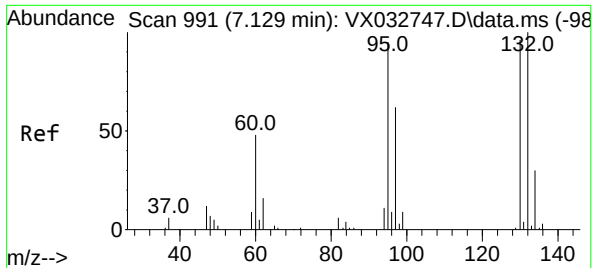
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#36
1,2-Dichloroethane
Concen: 2.731 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 62 Resp: 5468
Ion Ratio Lower Upper
62 100
98 5.4 8.8 13.2#





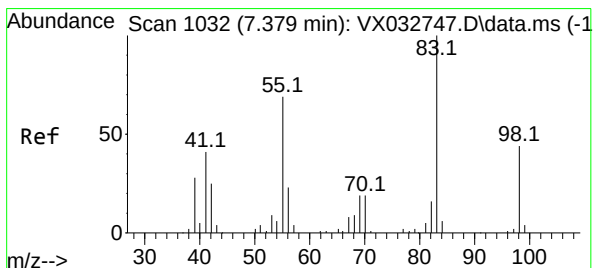
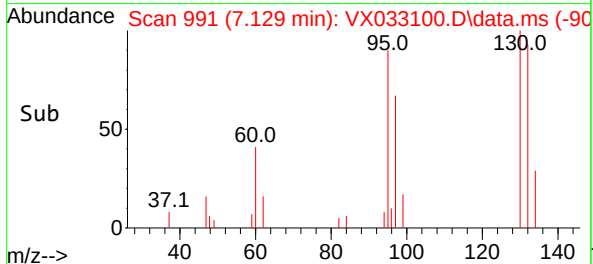
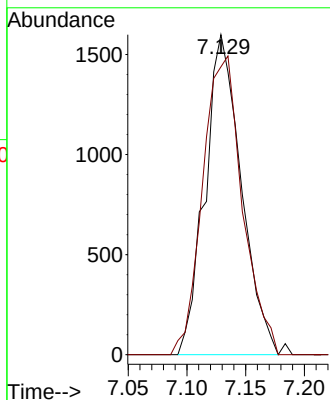
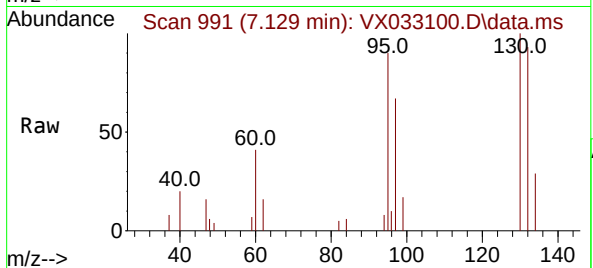
#37
Trichloroethene
Concen: 2.518 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:130 Resp: 342
Ion Ratio Lower Upper
130 100
95 89.9 72.4 108.6

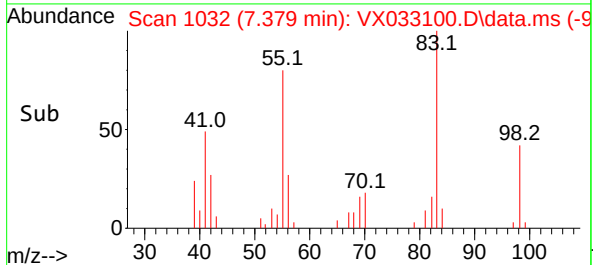
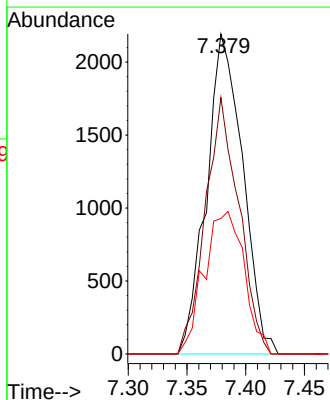
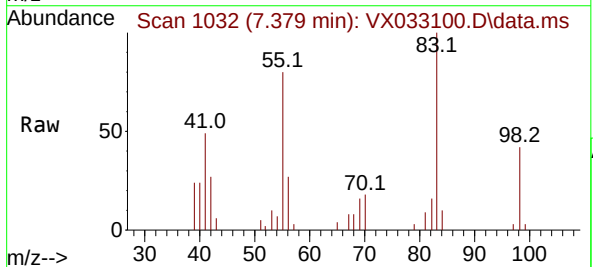
Manual Integrations
APPROVED

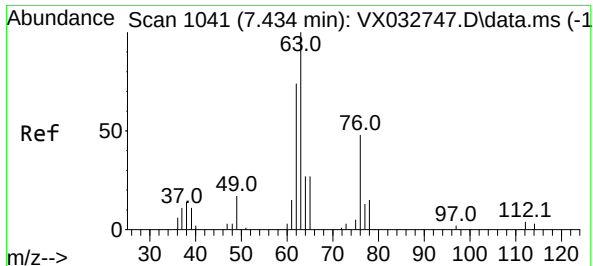
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#38
Methylcyclohexane
Concen: 2.429 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 83 Resp: 4699
Ion Ratio Lower Upper
83 100
55 74.1 31.6 94.7
98 49.2 26.9 80.6





#39

1,2-Dichloropropane

Concen: 2.503 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 63 Resp: 308

Ion Ratio Lower Upper

63 100

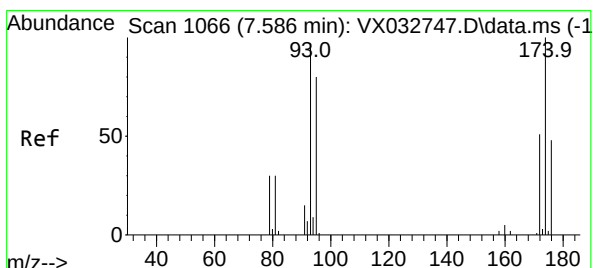
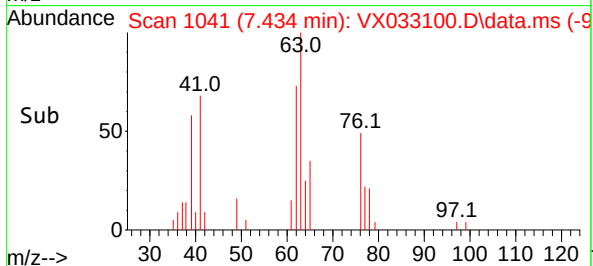
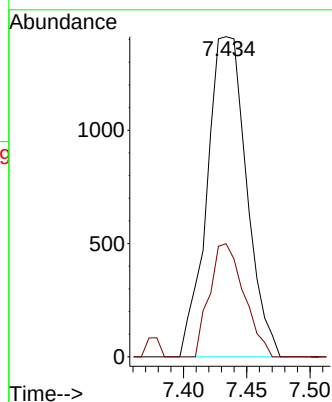
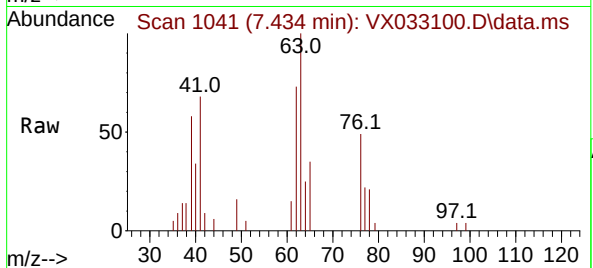
65 35.3 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#40

Dibromomethane

Concen: 2.605 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

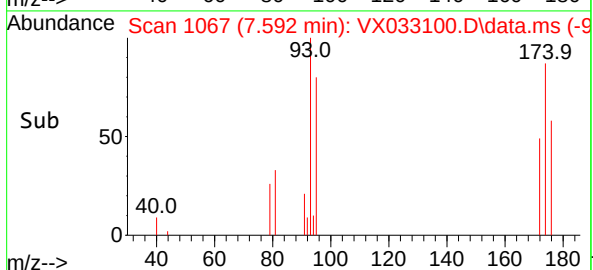
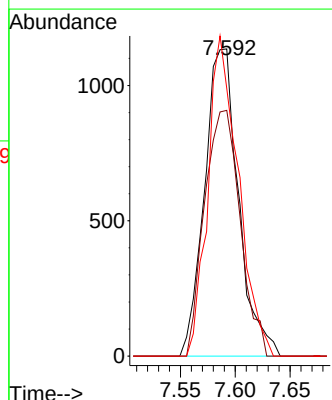
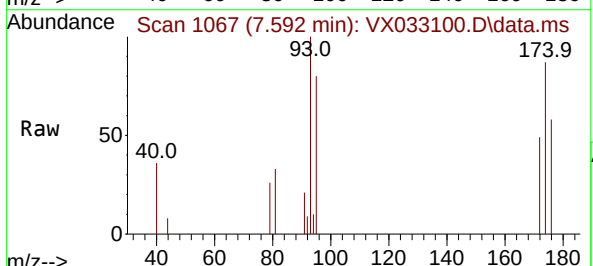
Tgt Ion: 93 Resp: 2449

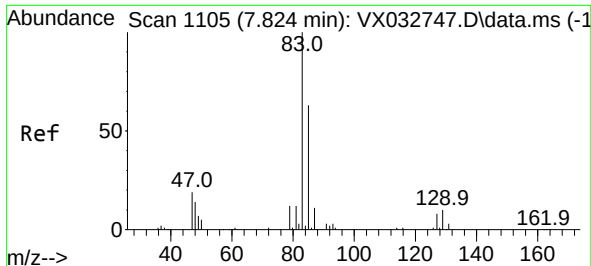
Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.0

174 93.3 0.0 205.2





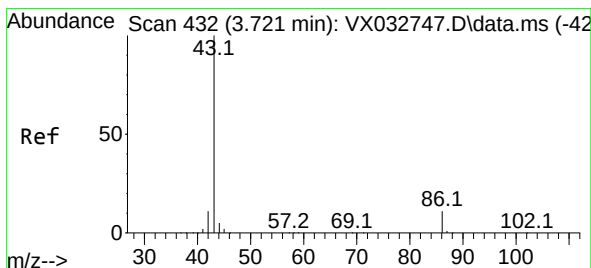
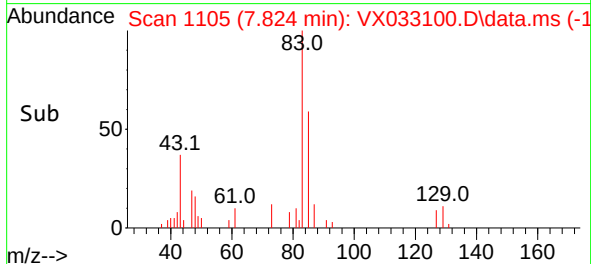
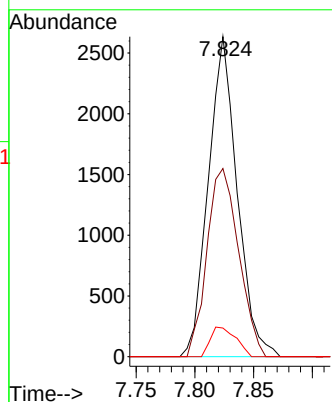
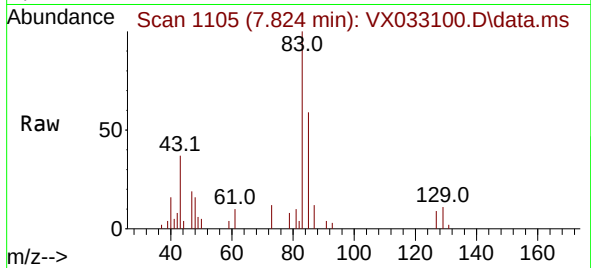
#41
Bromodichloromethane
Concen: 2.515 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion: 83 Resp: 450
Ion Ratio Lower Upper
83 100
85 58.8 52.3 78.5
127 9.0 6.8 10.2

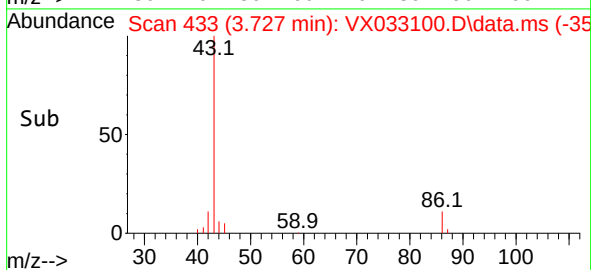
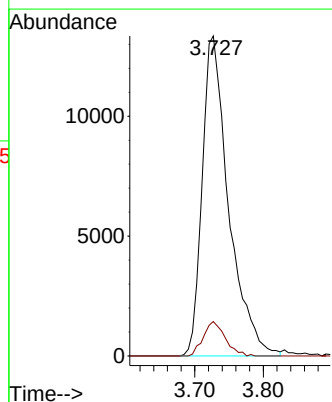
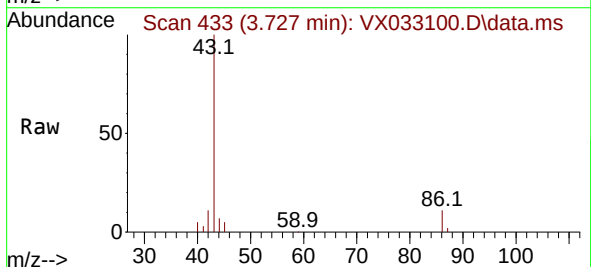
Manual Integrations
APPROVED

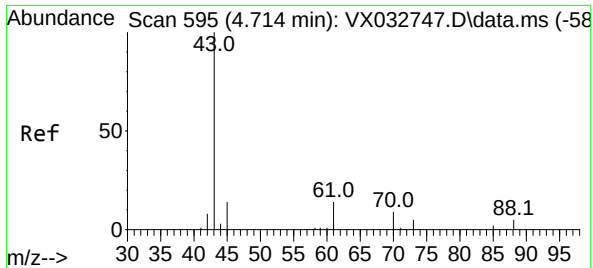
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#42
Vinyl Acetate
Concen: 11.594 ug/l
RT: 3.727 min Scan# 433
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 43 Resp: 35860
Ion Ratio Lower Upper
43 100
86 8.9 10.3 15.5#





#43

Ethyl Acetate

Concen: 2.520 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

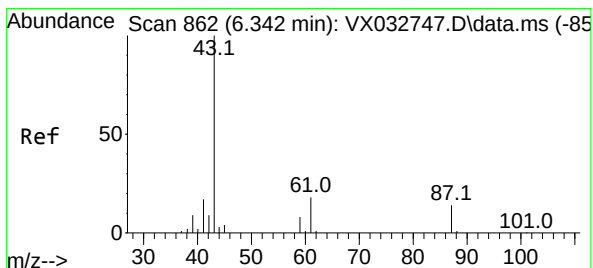
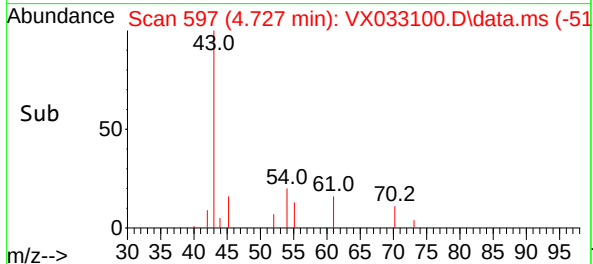
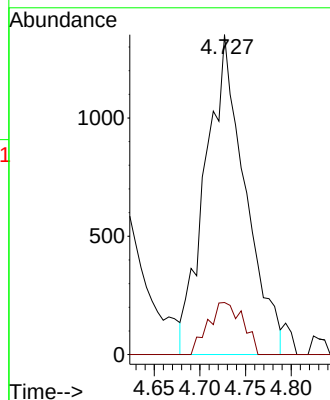
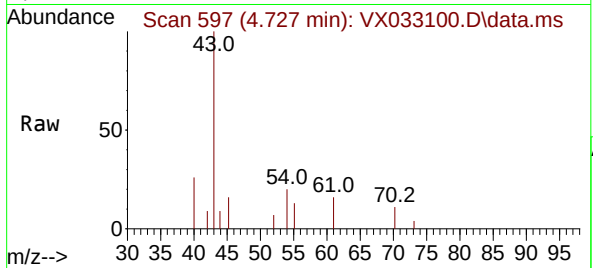
45 14.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#44

Isopropyl Acetate

Concen: 2.306 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX033100.D

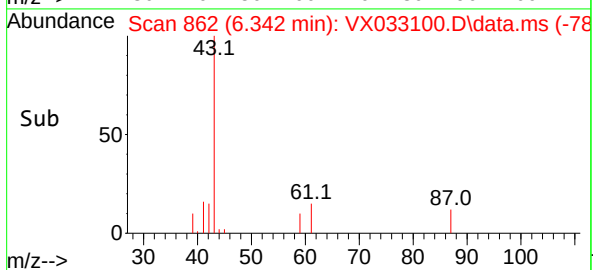
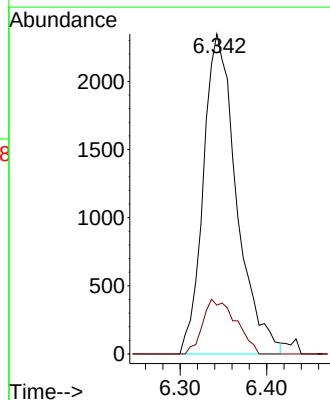
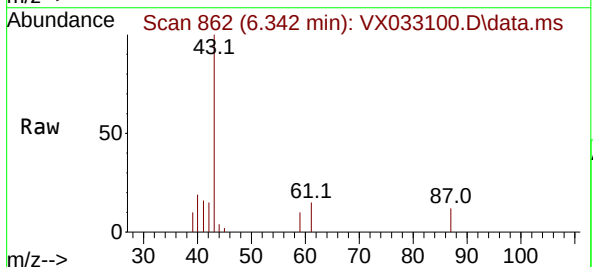
Acq: 28 Nov 2022 19:19

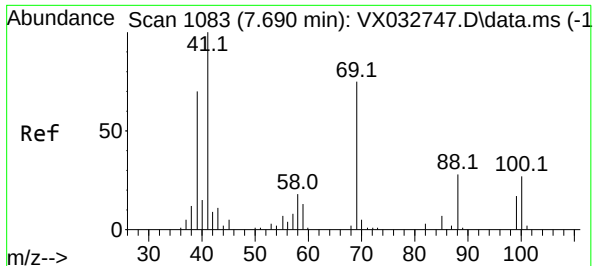
Tgt Ion: 43 Resp: 6258

Ion Ratio Lower Upper

43 100

61 17.1 17.2 25.8





#45

1,4-Dioxane

Concen: 62.500 ug/l m

RT: 7.708 min Scan# 1086

Delta R.T. 0.018 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 88 Resp: 1629

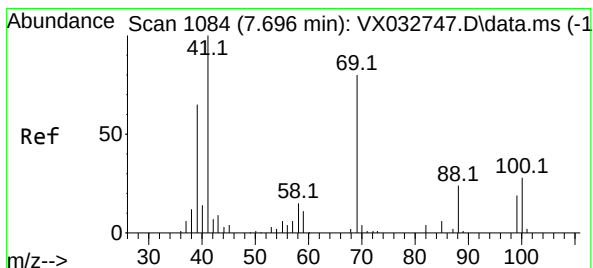
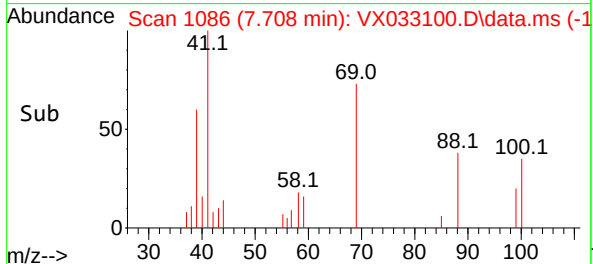
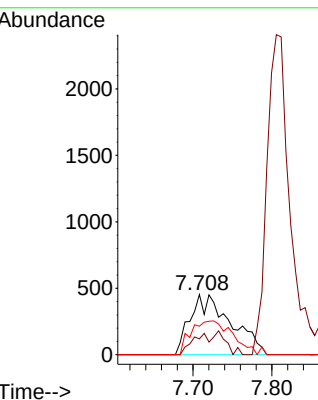
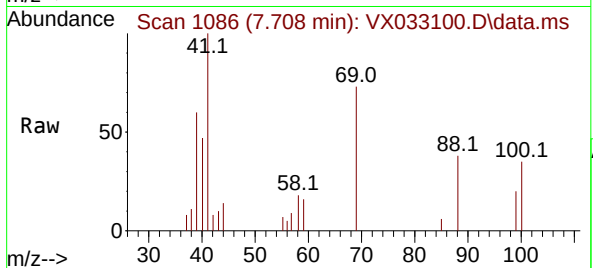
Ion	Ratio	Lower	Upper
88	100		
43	14.5	20.4	30.6
58	0.0	44.0	66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#46

Methyl methacrylate

Concen: 2.287 ug/l

RT: 7.702 min Scan# 1085

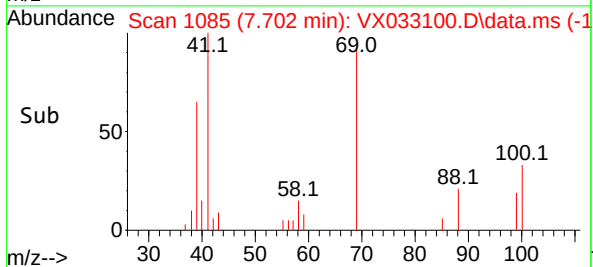
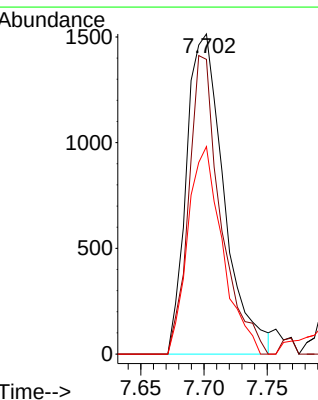
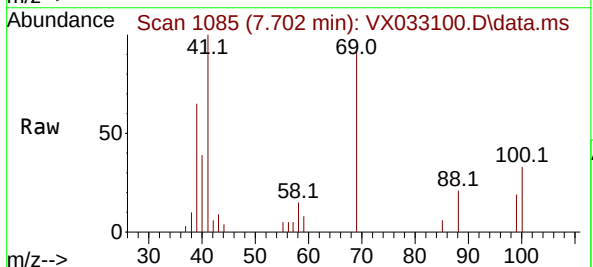
Delta R.T. 0.006 min

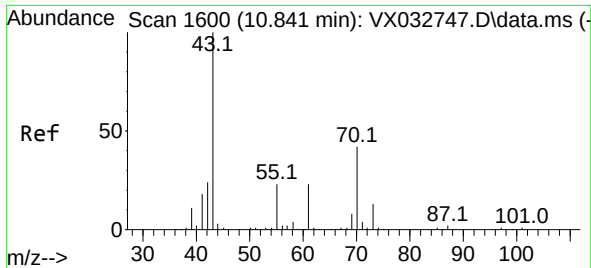
Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion: 41 Resp: 3124

Ion	Ratio	Lower	Upper
41	100		
69	92.1	50.5	151.5
39	64.8	34.6	103.8





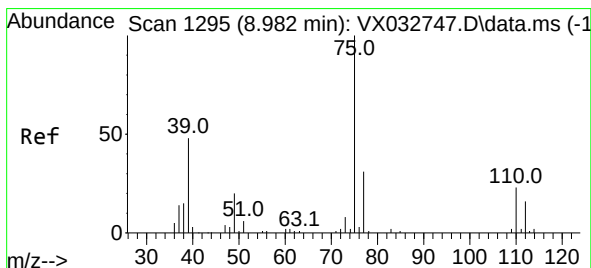
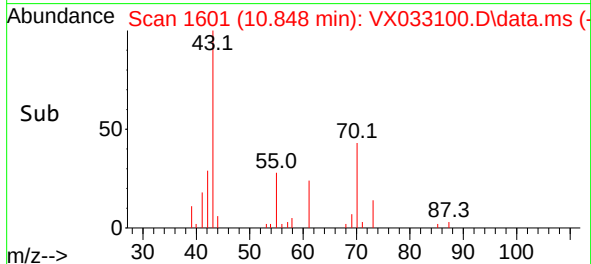
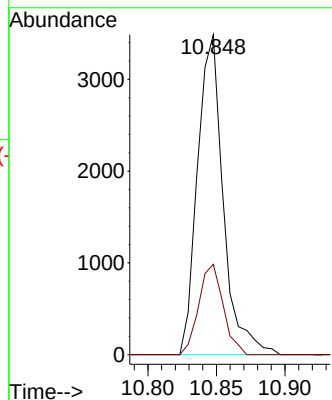
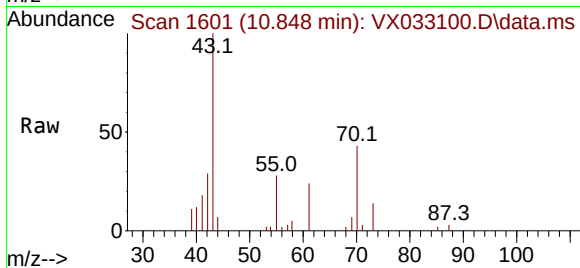
#47
n-amy1 Acetate
Concen: 1.891 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
55 26.8 21.6 32.4

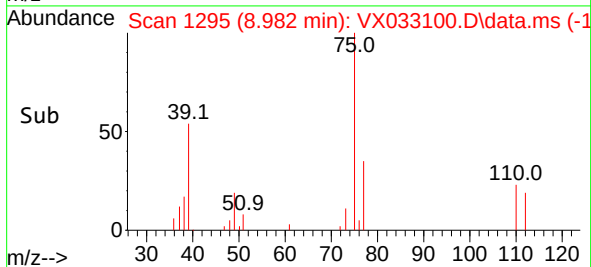
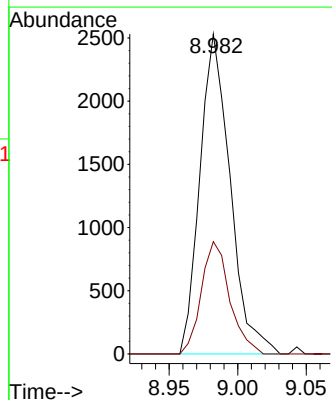
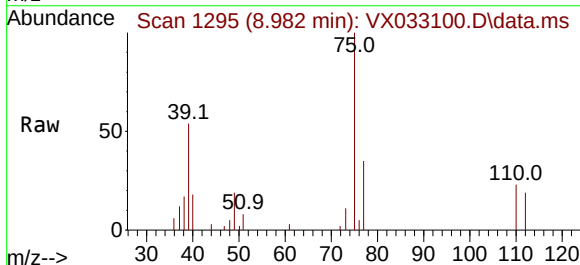
Manual Integrations
APPROVED

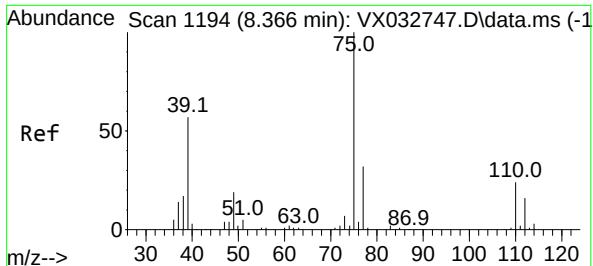
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#48
t-1,3-Dichloropropene
Concen: 2.116 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 75 Resp: 3889
Ion Ratio Lower Upper
75 100
77 35.1 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 2.409 ug/l

RT: 8.373 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

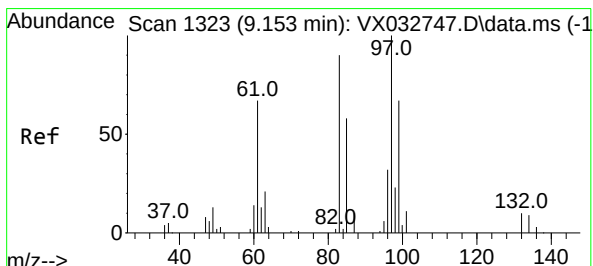
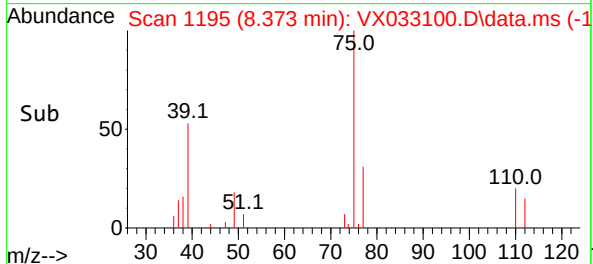
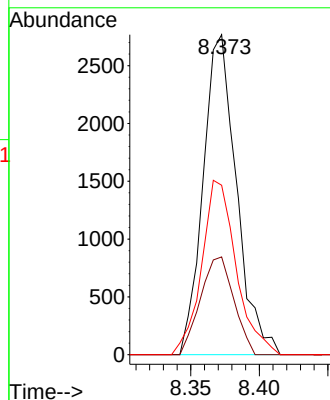
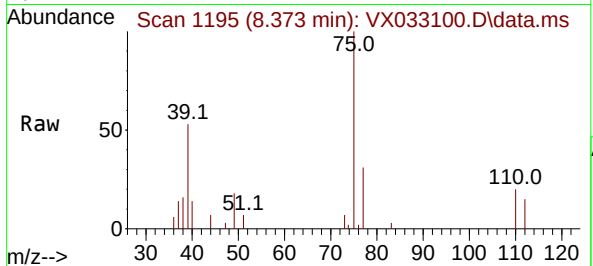
Tgt Ion: 75	Resp: 4670
Ion Ratio	Lower Upper
75 100	
77 30.6	25.7 38.5
39 53.0	34.1 51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#50

1,1,2-Trichloroethane

Concen: 2.564 ug/l

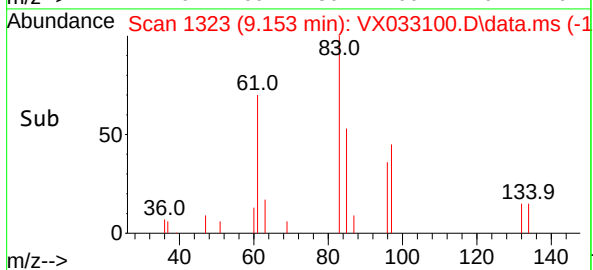
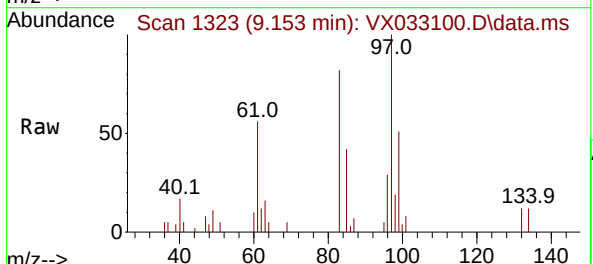
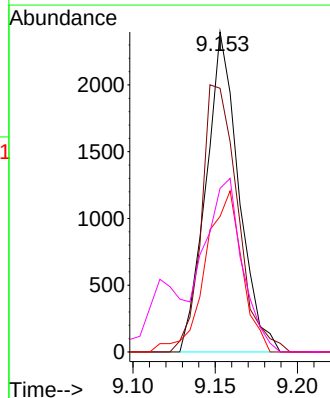
RT: 9.153 min Scan# 1323

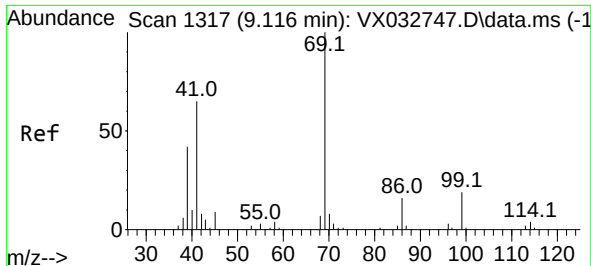
Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion: 97	Resp: 3314
Ion Ratio	Lower Upper
97 100	
83 79.7	62.2 93.4
85 42.3	44.2 66.2
99 51.1	49.7 74.5





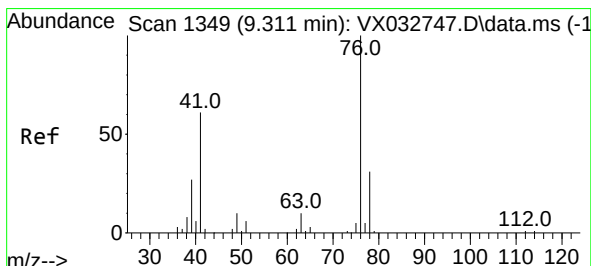
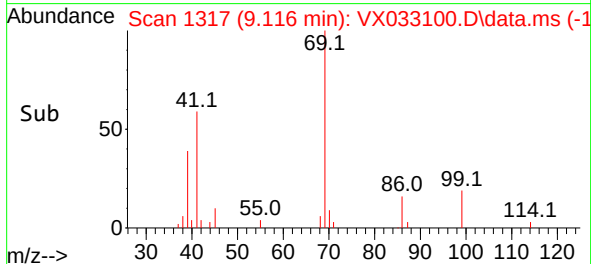
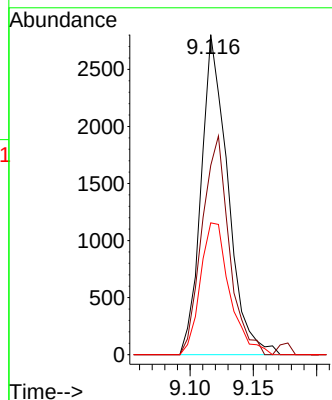
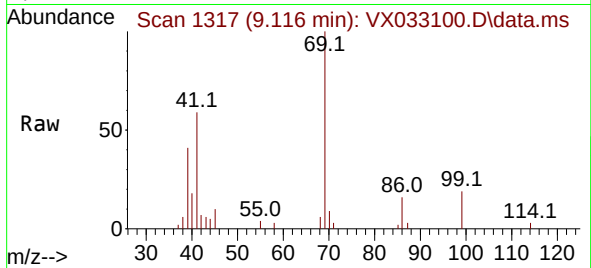
#51
Ethyl methacrylate
Concen: 2.133 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion: 69 Resp: 411
Ion Ratio Lower Upper
69 100
41 59.2 25.9 77.7
39 41.2 17.8 53.3

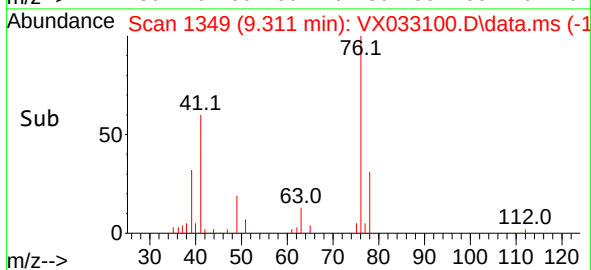
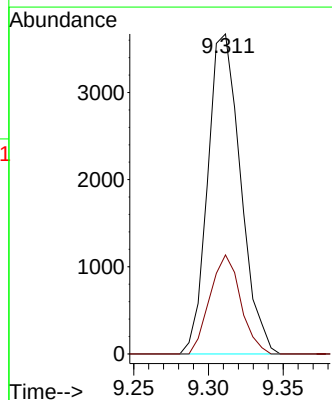
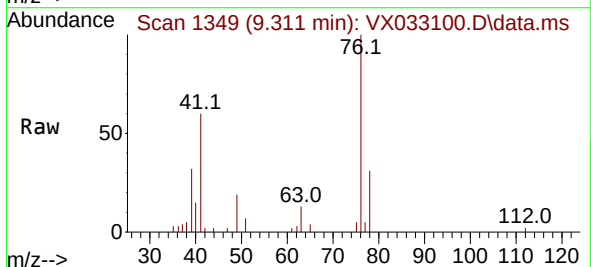
Manual Integrations
APPROVED

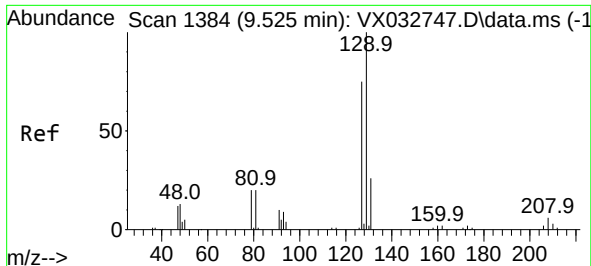
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#52
1,3-Dichloropropane
Concen: 2.660 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

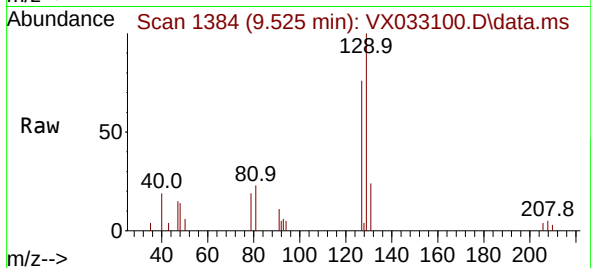
Tgt Ion: 76 Resp: 5621
Ion Ratio Lower Upper
76 100
78 28.9 0.0 66.0





#53
Dibromochloromethane
Concen: 2.331 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

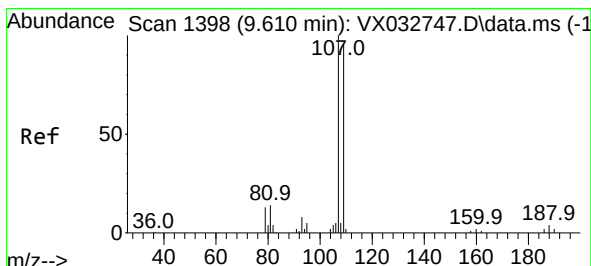
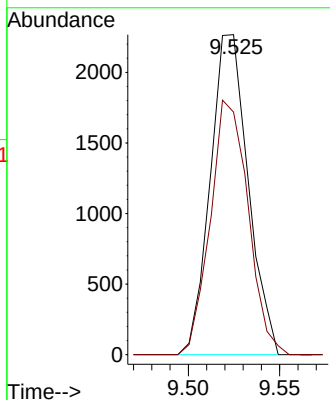
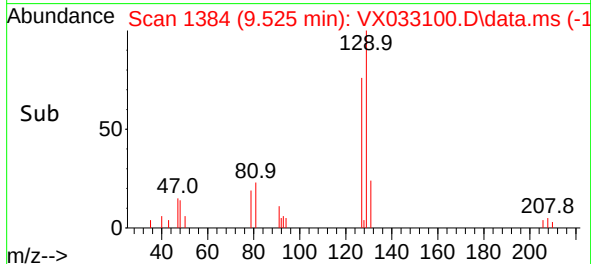
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion:129 Resp: 327
Ion Ratio Lower Upper
129 100
127 79.3 39.0 117.0

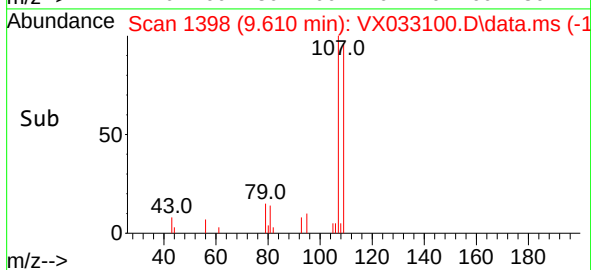
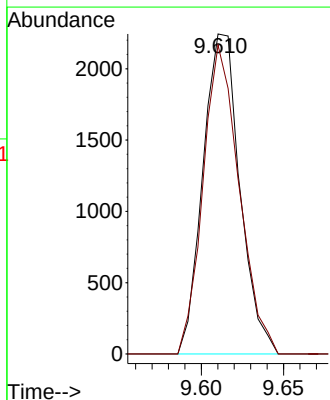
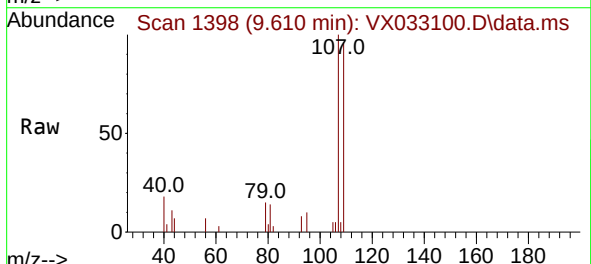
Manual Integrations
APPROVED

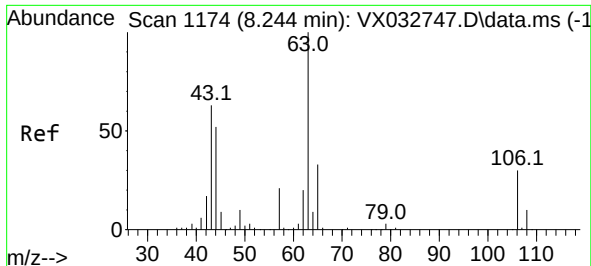
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#54
1,2-Dibromoethane
Concen: 2.522 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion:107 Resp: 3511
Ion Ratio Lower Upper
107 100
109 94.2 75.0 112.6





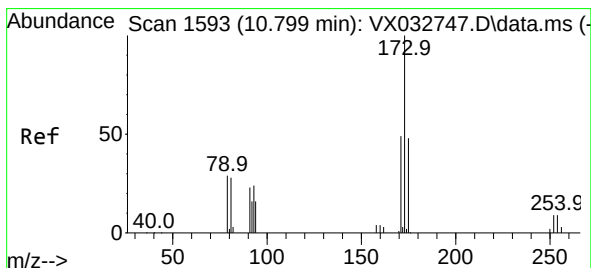
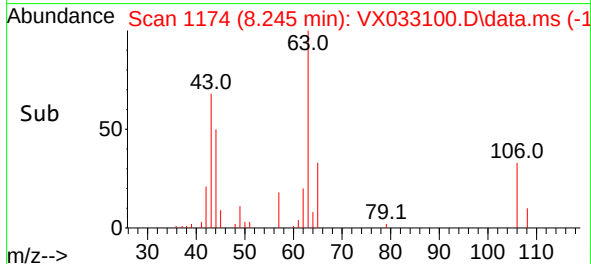
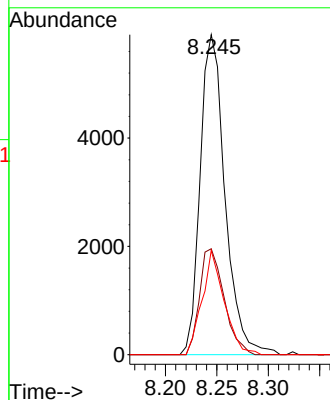
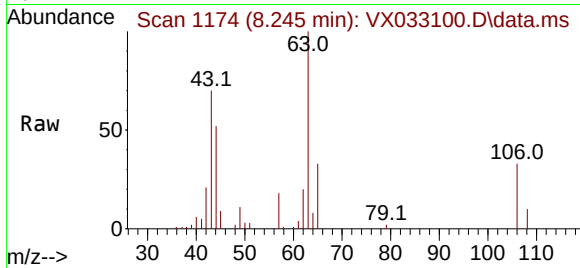
#55
2-Chloroethyl vinyl ether
Concen: 10.687 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 63 Resp: 996
Ion Ratio Lower Upper
63 100
65 32.6 25.5 38.3
106 29.0 28.9 43.3

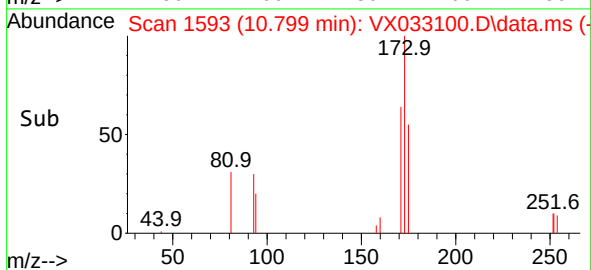
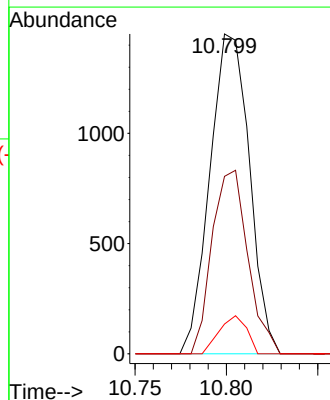
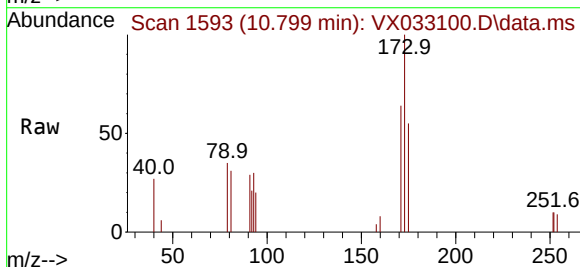
Manual Integrations
APPROVED

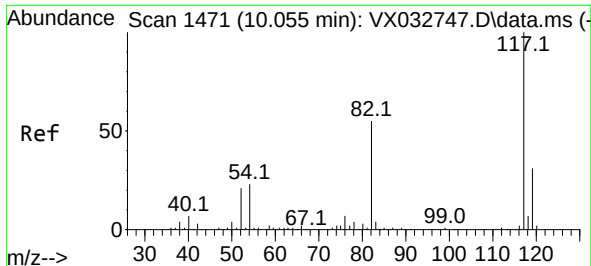
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#56
Bromoform
Concen: 2.172 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion:173 Resp: 2186
Ion Ratio Lower Upper
173 100
175 52.0 38.6 58.0
254 8.2 6.8 10.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

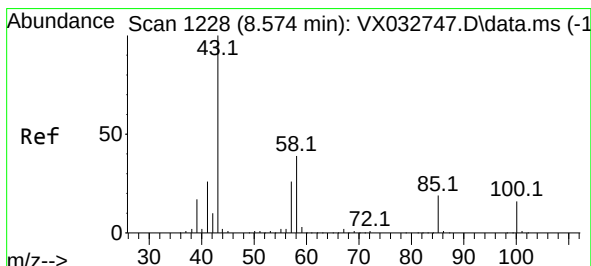
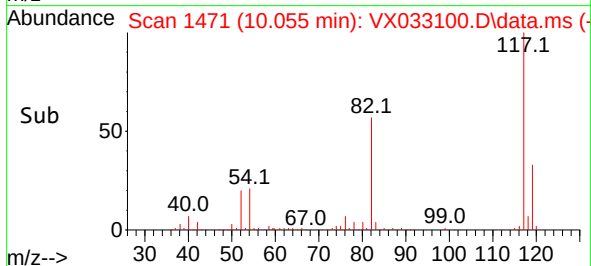
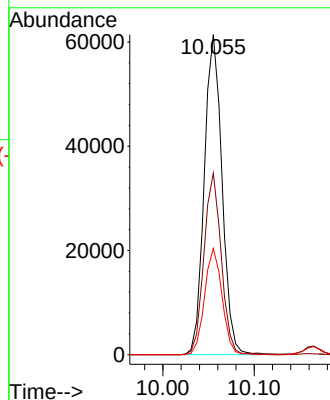
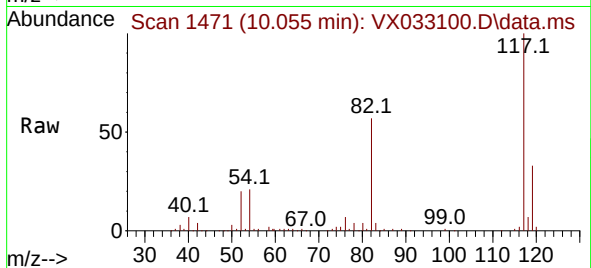
Tgt Ion: 117 Resp: 8278
 Ion Ratio Lower Upper
 117 100
 82 55.0 40.0 60.0
 119 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#58

4-Methyl-2-Pentanone

Concen: 12.452 ug/l

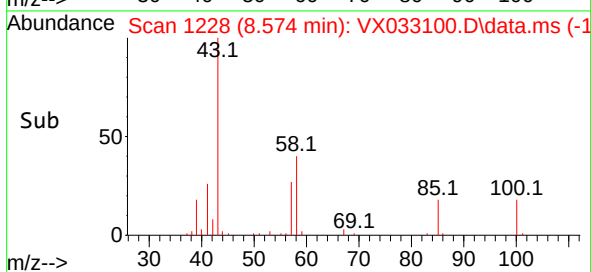
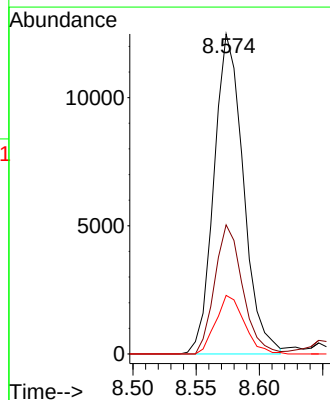
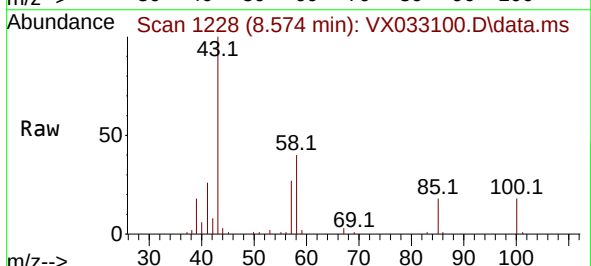
RT: 8.574 min Scan# 1228

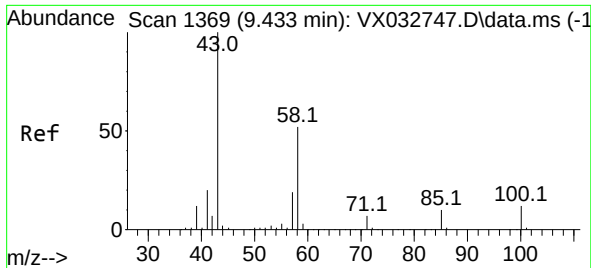
Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

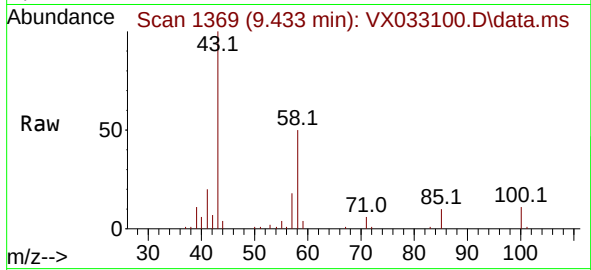
Tgt Ion: 43 Resp: 20178
 Ion Ratio Lower Upper
 43 100
 58 38.2 34.9 52.3
 85 17.8 19.4 29.2





#59
2-Hexanone
Concen: 12.144 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

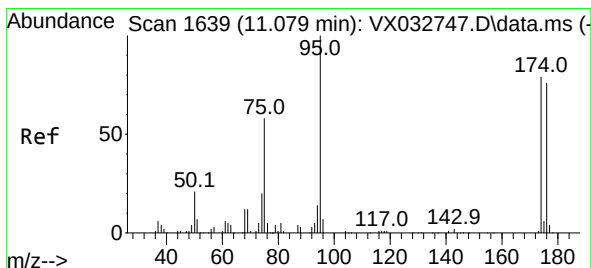
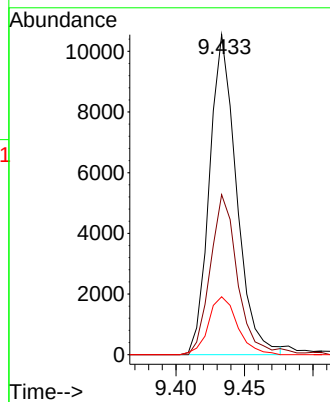
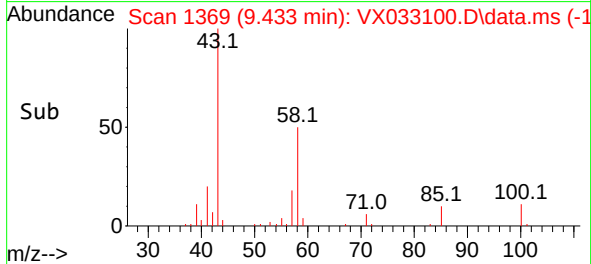
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion: 43 Resp: 14489
Ion Ratio Lower Upper
43 100
58 49.3 49.0 73.6
57 19.4 17.0 25.4

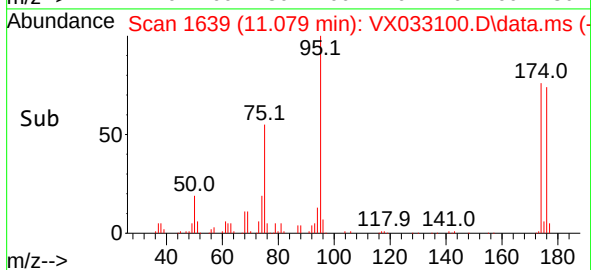
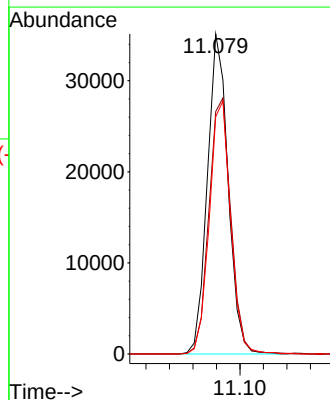
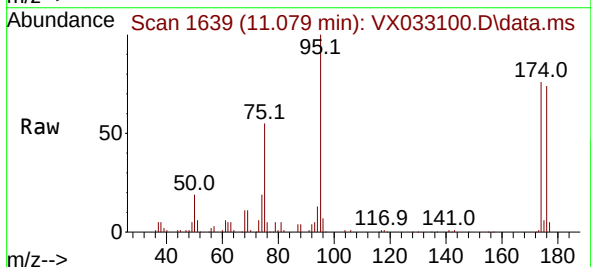
Manual Integrations
APPROVED

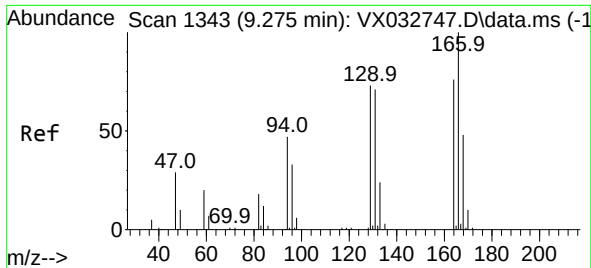
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#60
4-Bromofluorobenzene
Concen: 27.201 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

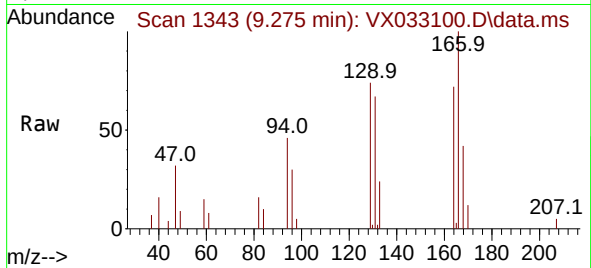
Tgt Ion: 95 Resp: 43072
Ion Ratio Lower Upper
95 100
174 84.6 68.2 102.2
176 81.2 68.1 102.1





#61
Tetrachloroethene
Concen: 2.634 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

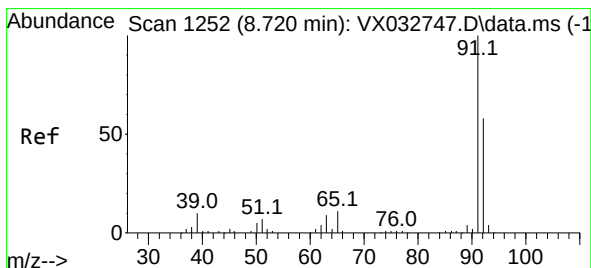
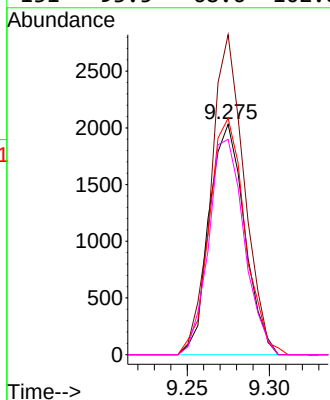
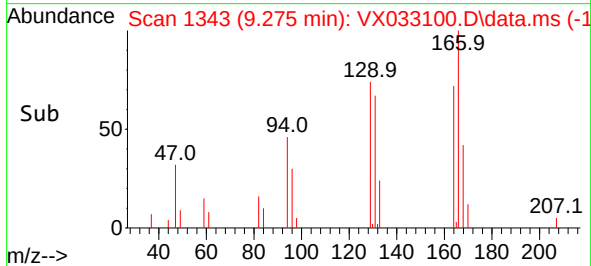
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion:164 Resp: 304
Ion Ratio Lower Upper
164 100
166 138.9 102.8 154.2
129 102.7 73.0 109.4
131 93.5 68.6 102.8

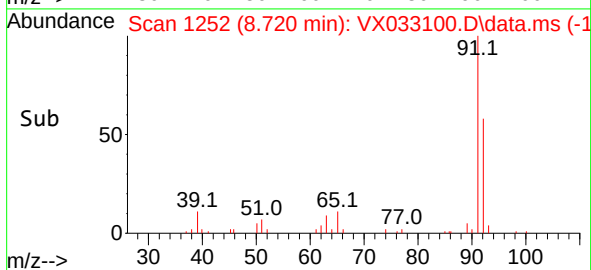
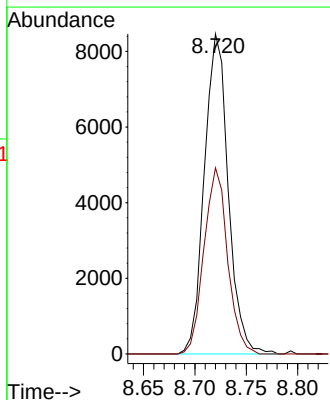
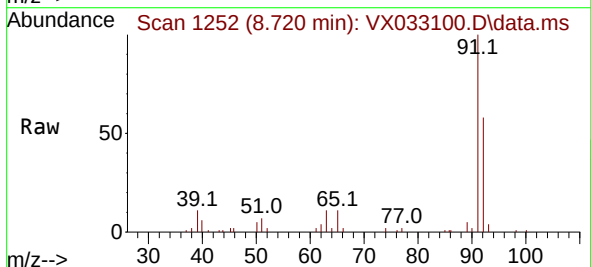
Manual Integrations
APPROVED

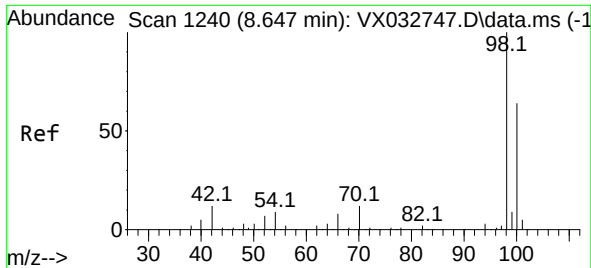
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#62
Toluene
Concen: 2.546 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

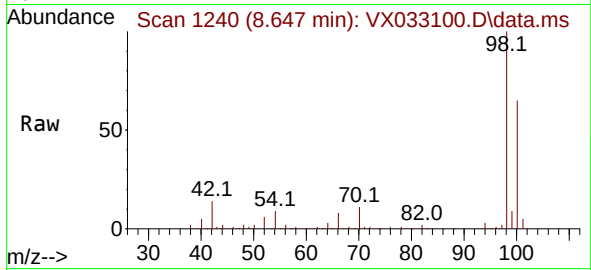
Tgt Ion: 91 Resp: 13705
Ion Ratio Lower Upper
91 100
92 57.4 47.3 70.9





#63
Toluene-d8
Concen: 29.636 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

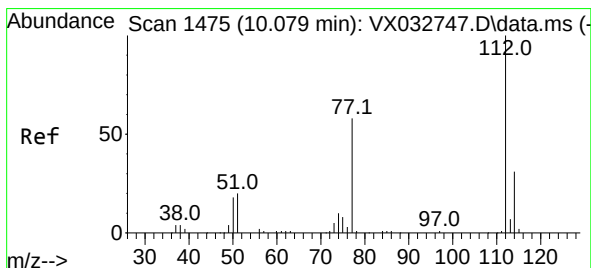
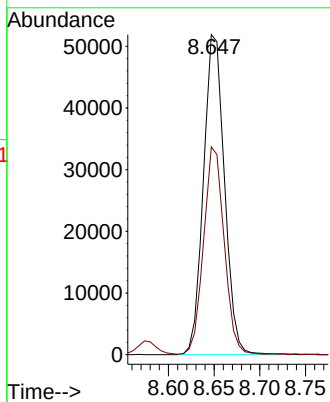
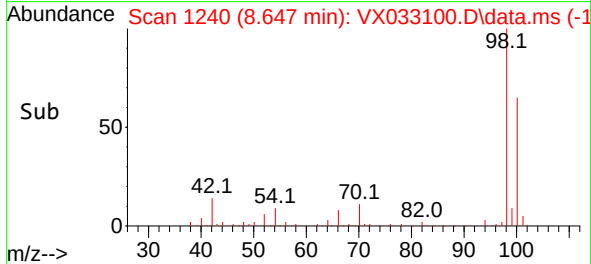
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion: 98 Resp: 8279
Ion Ratio Lower Upper
98 100
100 63.5 53.8 80.8

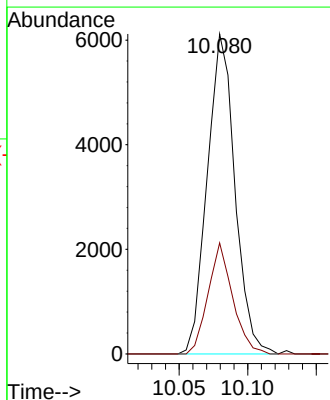
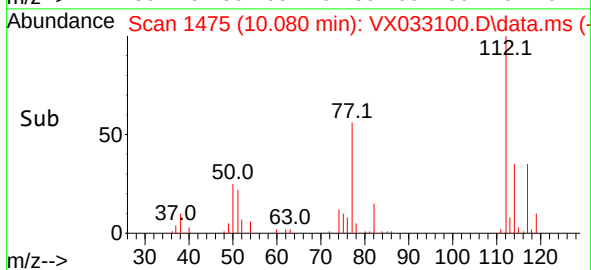
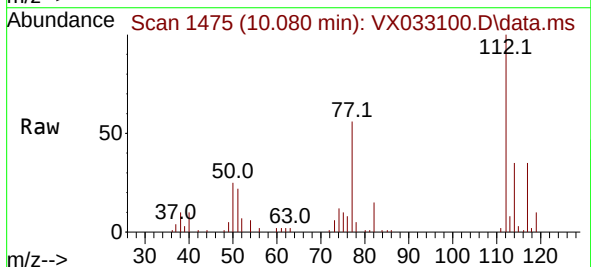
Manual Integrations
APPROVED

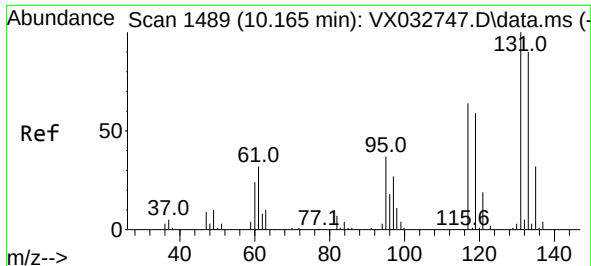
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#64
Chlorobenzene
Concen: 2.583 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion:112 Resp: 8597
Ion Ratio Lower Upper
112 100
114 34.7 25.7 38.5





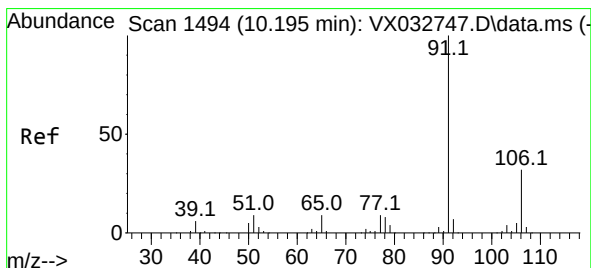
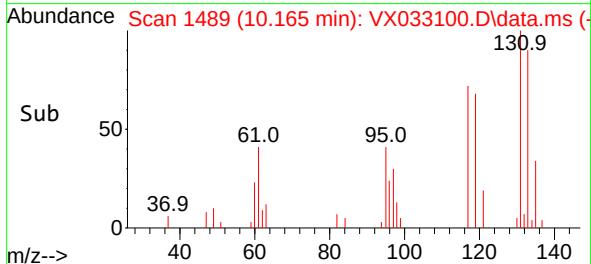
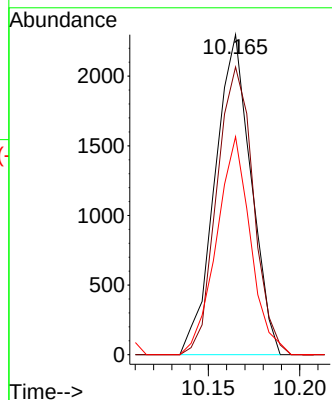
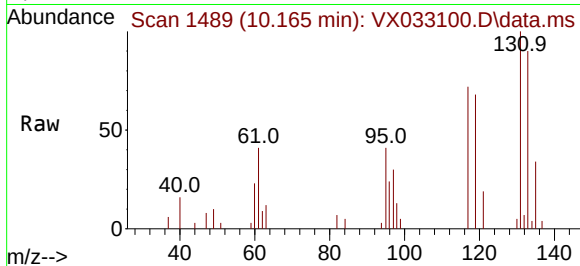
#65
1,1,1,2-Tetrachloroethane
Concen: 2.493 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion:131 Resp: 316
Ion Ratio Lower Upper
131 100
133 90.9 0.0 189.4
119 64.2 0.0 127.0

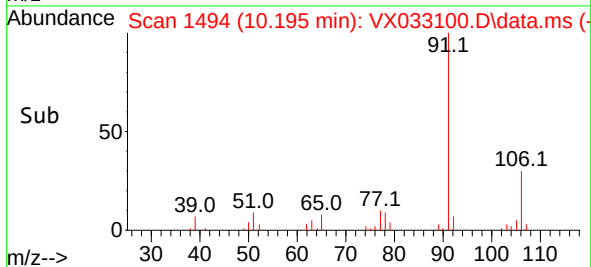
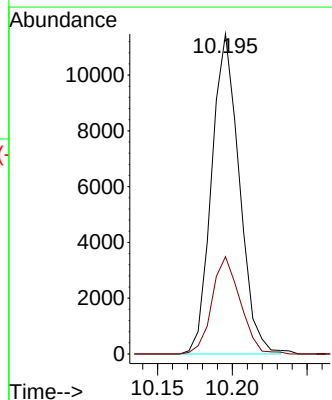
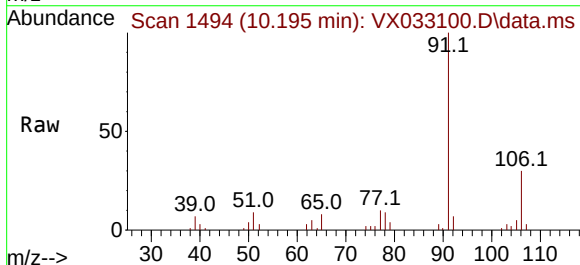
Manual Integrations
APPROVED

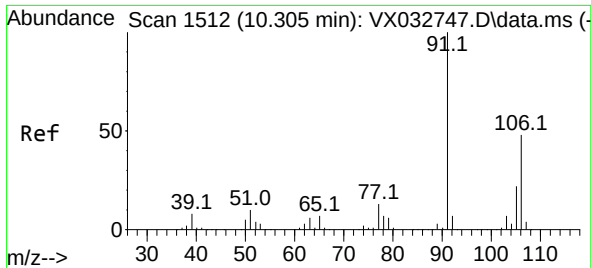
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#66
Ethyl Benzene
Concen: 2.443 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion: 91 Resp: 14755
Ion Ratio Lower Upper
91 100
106 30.4 26.7 40.1





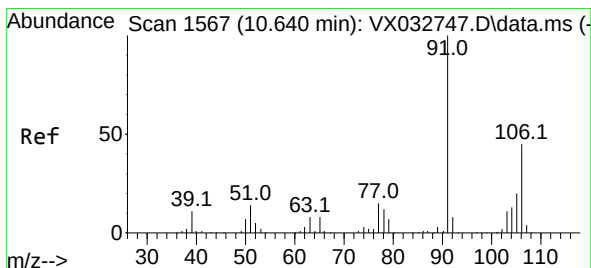
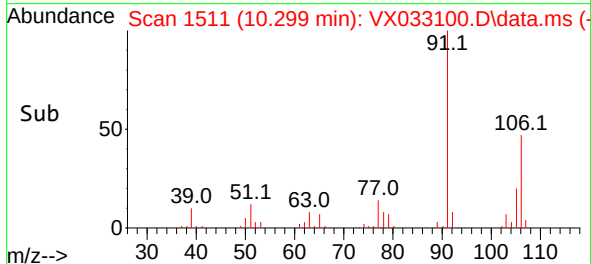
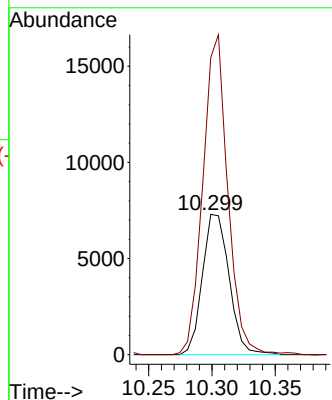
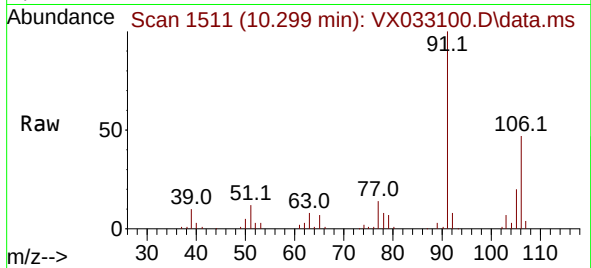
#67
m/p-Xylenes
Concen: 4.575 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:106 Resp: 1075
Ion Ratio Lower Upper
106 100
91 212.0 152.3 228.5

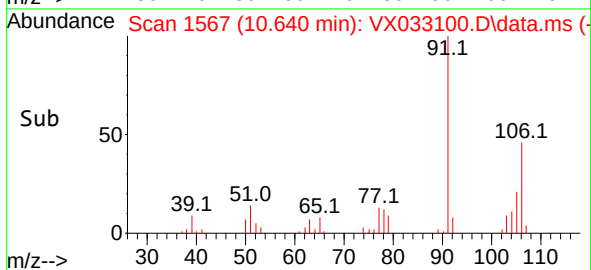
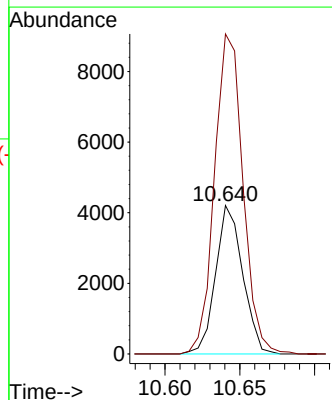
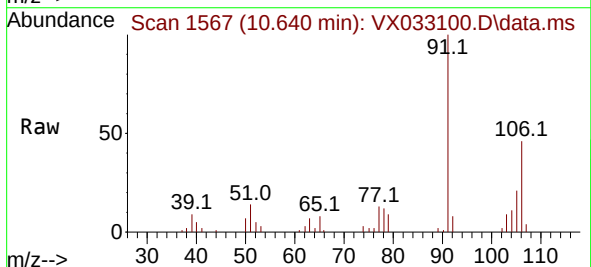
Manual Integrations
APPROVED

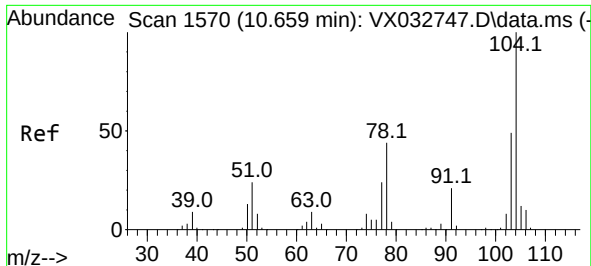
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#68
o-Xylene
Concen: 2.299 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion:106 Resp: 5302
Ion Ratio Lower Upper
106 100
91 226.4 101.9 305.7





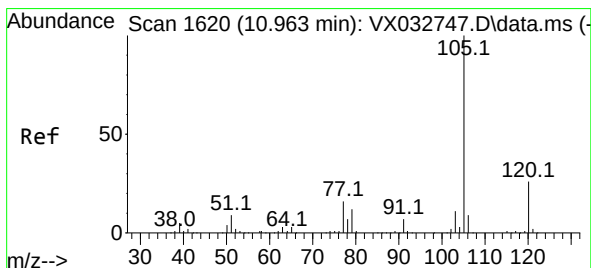
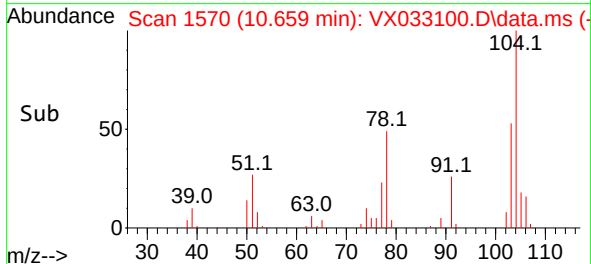
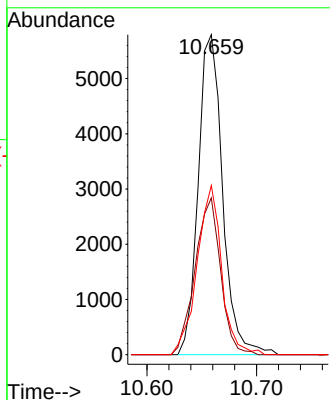
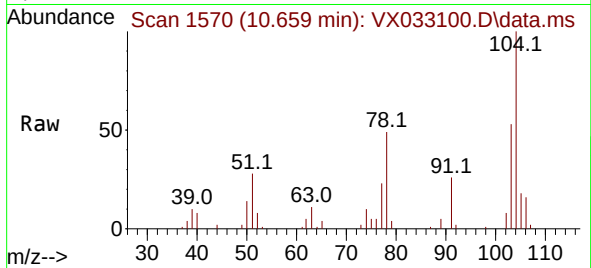
#69
Styrene
Concen: 2.341 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:104 Resp: 8974
Ion Ratio Lower Upper
104 100
78 51.1 36.6 55.0
103 53.1 43.3 64.9

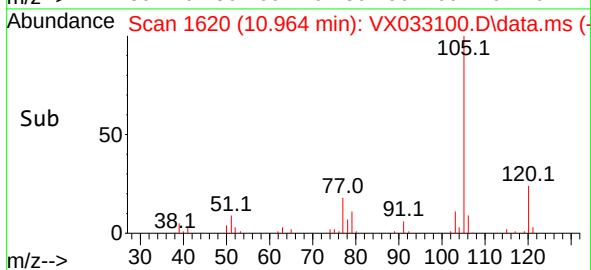
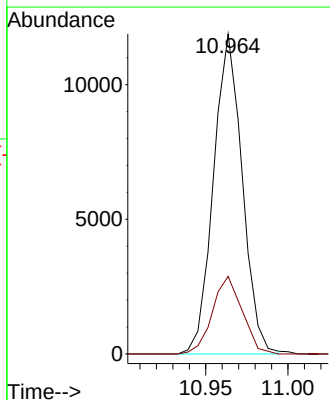
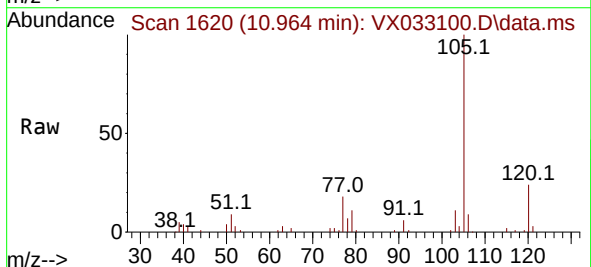
Manual Integrations
APPROVED

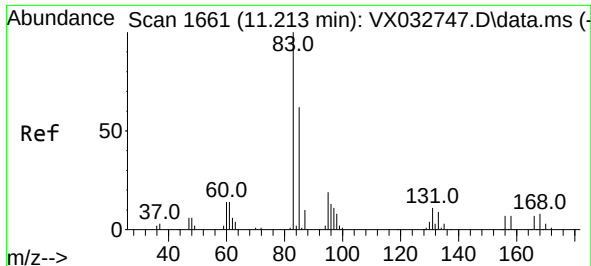
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#70
Isopropylbenzene
Concen: 2.343 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

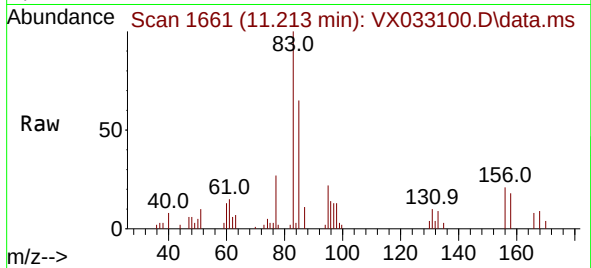
Tgt Ion:105 Resp: 14425
Ion Ratio Lower Upper
105 100
120 25.1 19.3 35.9





#71
1,1,2,2-Tetrachloroethane
Concen: 2.635 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

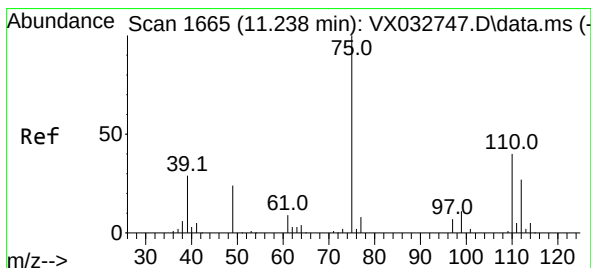
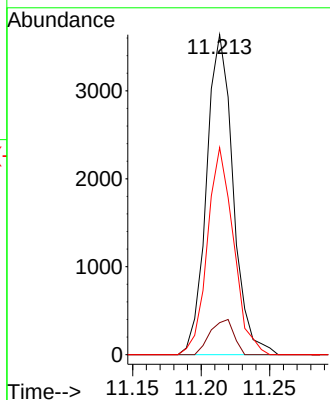
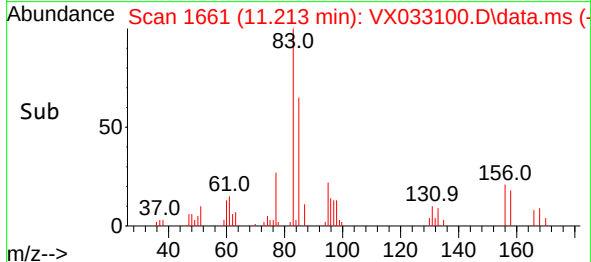
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



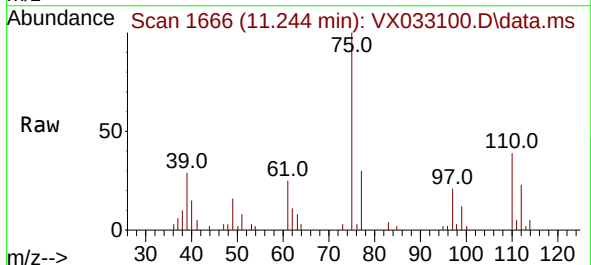
Tgt Ion: 83 Resp: 492
Ion Ratio Lower Upper
83 100
131 9.8 6.0 18.1
85 63.7 32.8 98.3

Manual Integrations
APPROVED

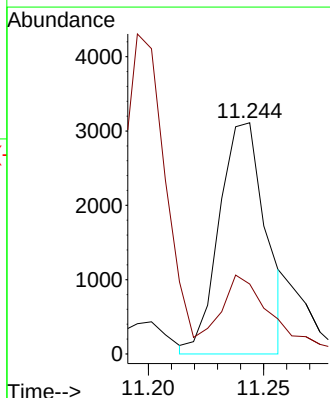
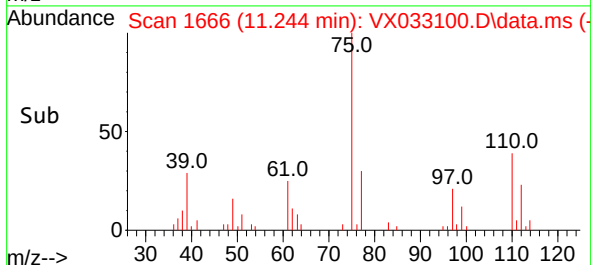
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022

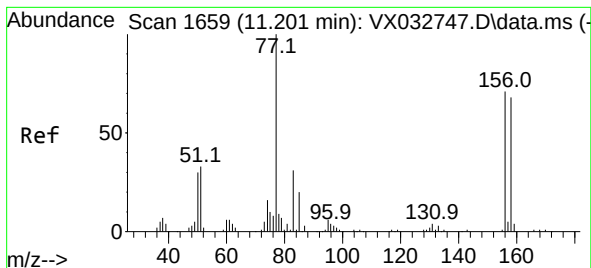


#72
1,2,3-Trichloropropane
Concen: 2.695 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19



Tgt Ion: 75 Resp: 4371
Ion Ratio Lower Upper
75 100
77 39.3 0.0 76.6





#73

Bromobenzene

Concen: 2.522 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

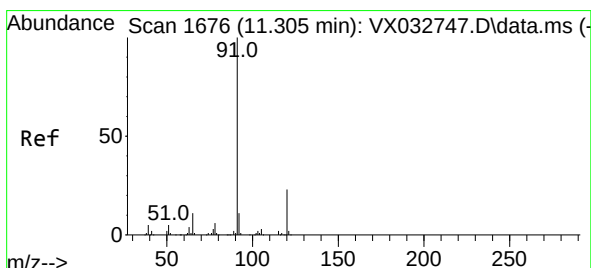
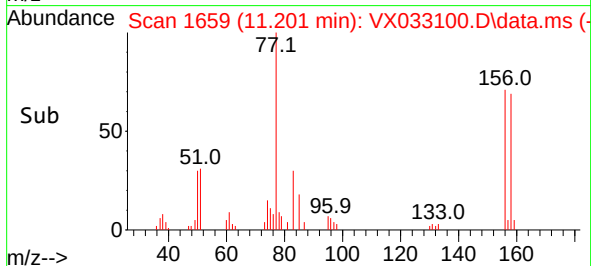
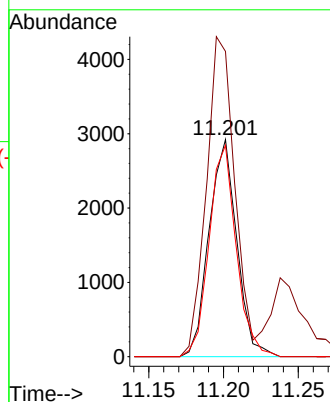
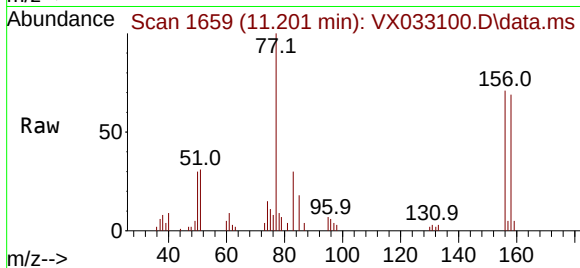
Tgt Ion:	156	Resp:	3772
Ion Ratio	Lower	Upper	
156	100		
77	150.2	0.0	259.2
158	95.3	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#74

n-propylbenzene

Concen: 2.249 ug/l

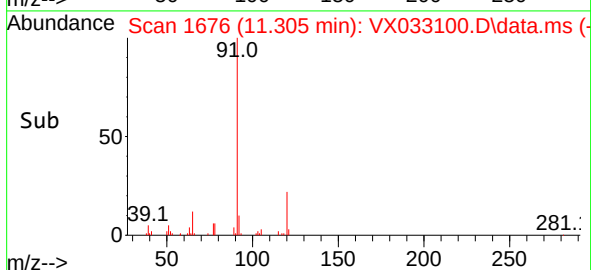
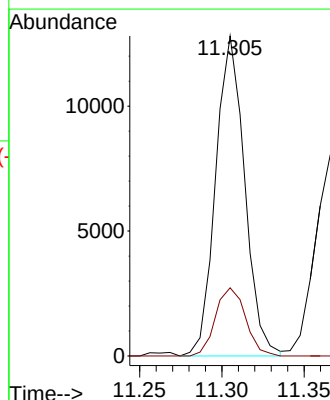
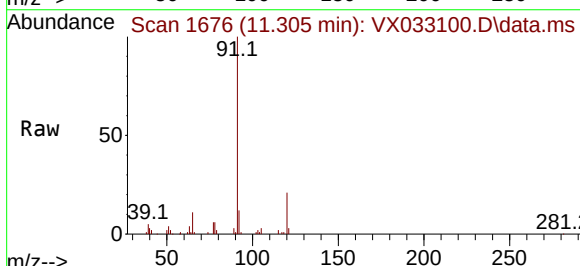
RT: 11.305 min Scan# 1676

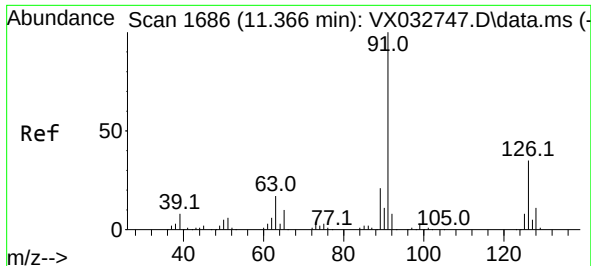
Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Tgt Ion:	91	Resp:	15735
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	51.0





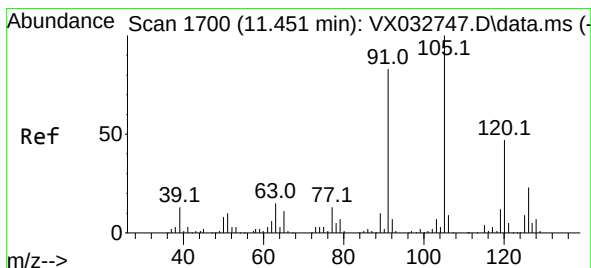
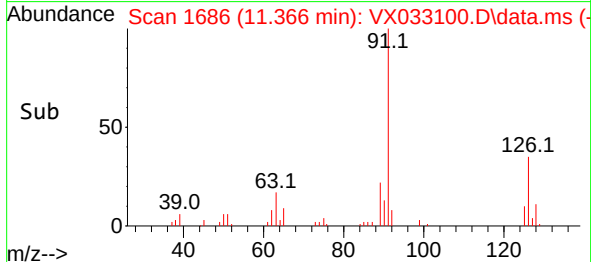
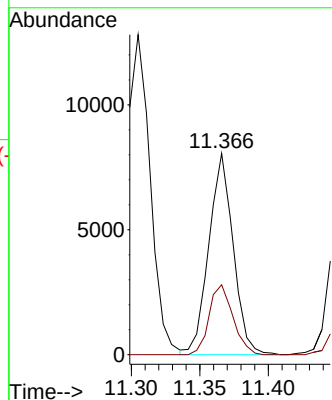
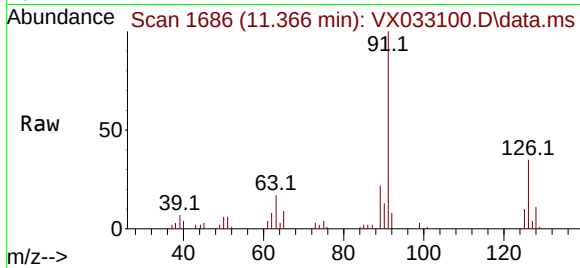
#75
2-Chlorotoluene
Concen: 2.356 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 91 Resp: 9978
Ion Ratio Lower Upper
91 100
126 33.9 0.0 76.4

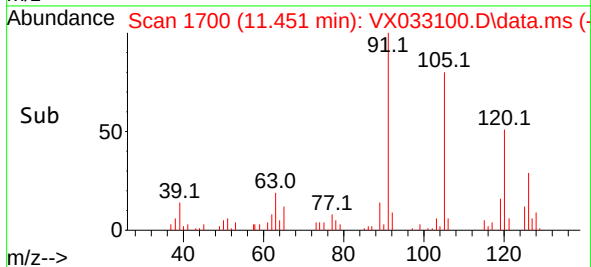
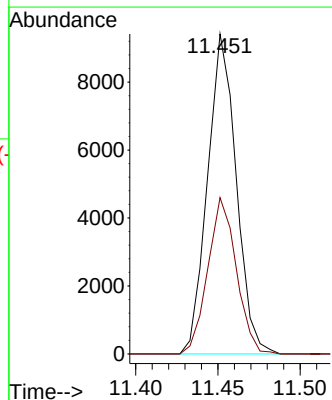
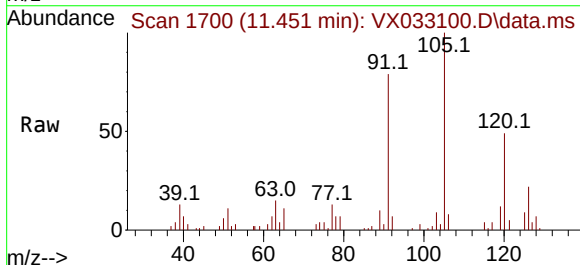
Manual Integrations
APPROVED

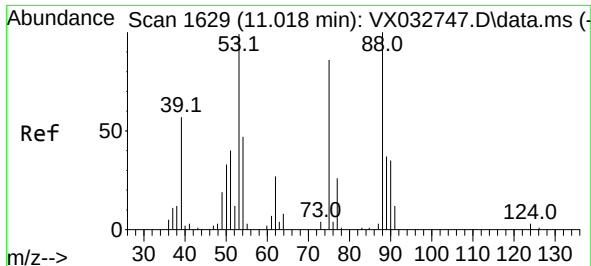
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#76
1,3,5-Trimethylbenzene
Concen: 2.192 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

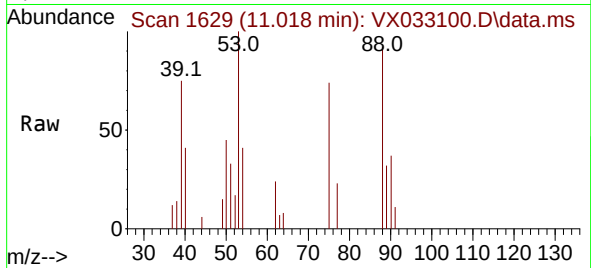
Tgt Ion:105 Resp: 11411
Ion Ratio Lower Upper
105 100
120 48.5 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 1.952 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

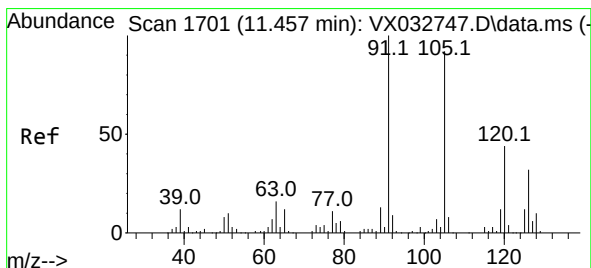
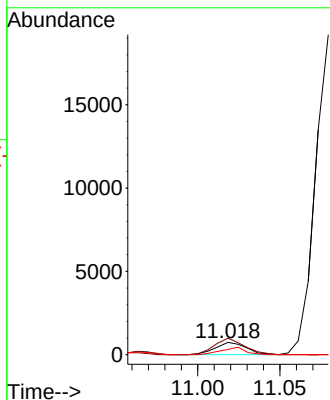
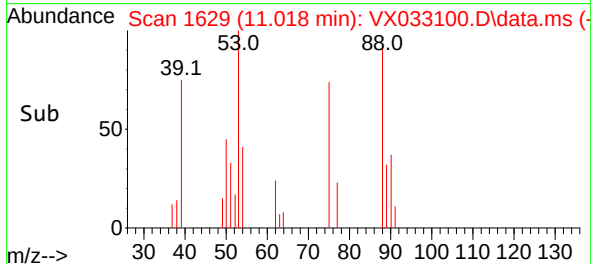
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
53 134.2 51.8 155.4
89 43.2 22.9 68.8

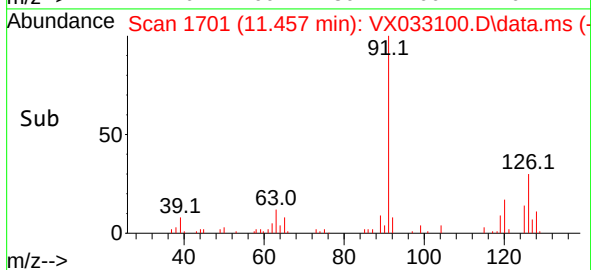
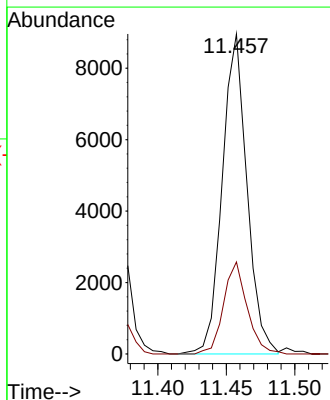
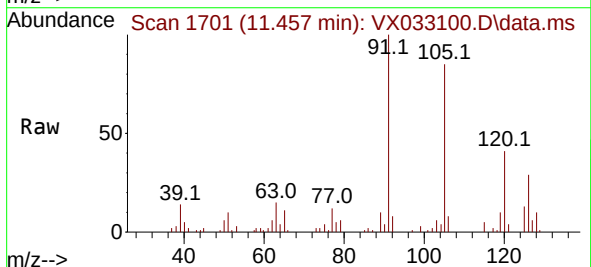
Manual Integrations
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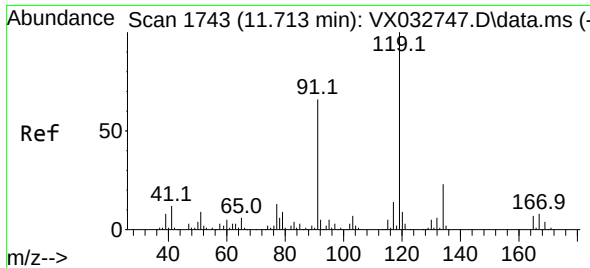
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#78
4-Chlorotoluene
Concen: 2.305 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

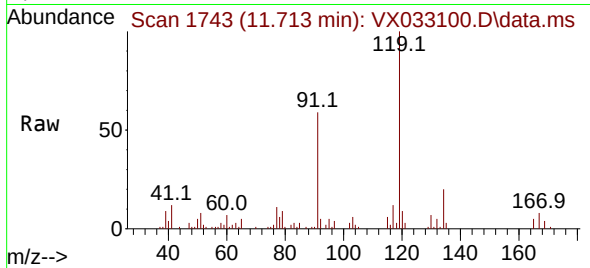
Tgt Ion: 91 Resp: 11248
Ion Ratio Lower Upper
91 100
126 27.4 0.0 67.0





#79
tert-butylbenzene
Concen: 2.387 ug/l
RT: 11.713 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

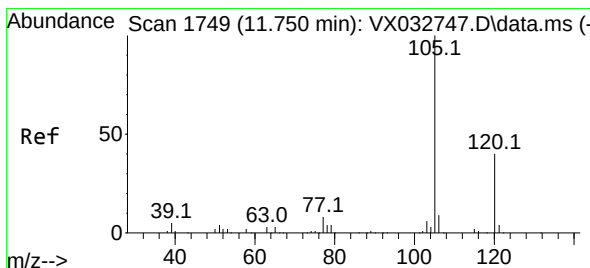
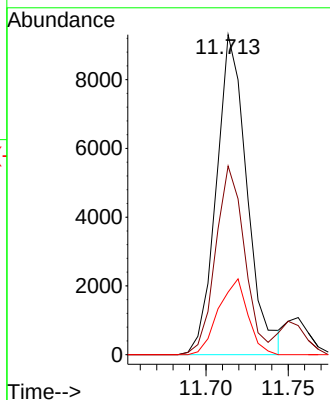
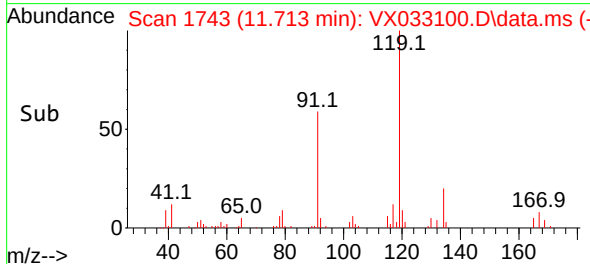
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



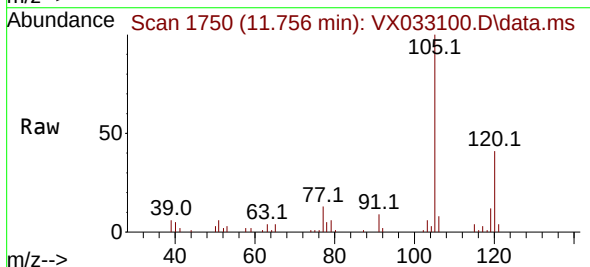
Tgt Ion:119 Resp: 1207
Ion Ratio Lower Upper
119 100
91 56.0 0.0 112.0
134 22.7 0.0 51.0

Manual Integrations
APPROVED

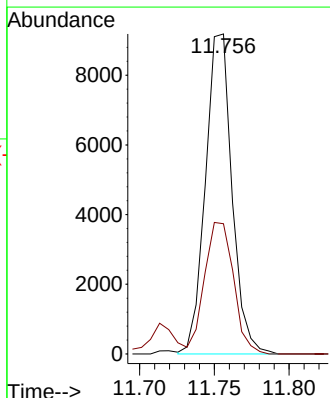
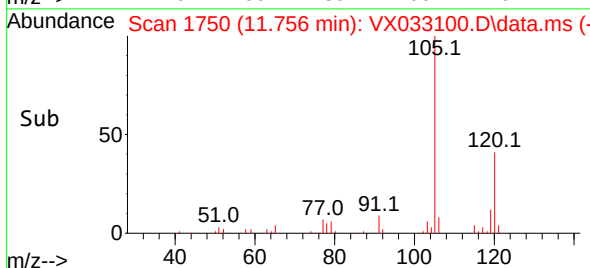
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022

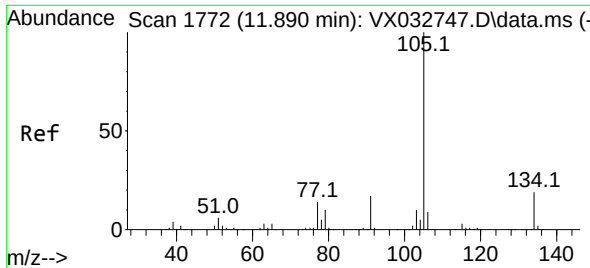


#80
1,2,4-Trimethylbenzene
Concen: 2.237 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19



Tgt Ion:105 Resp: 11386
Ion Ratio Lower Upper
105 100
120 44.8 0.0 95.0





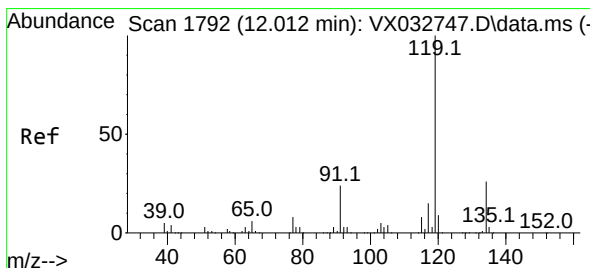
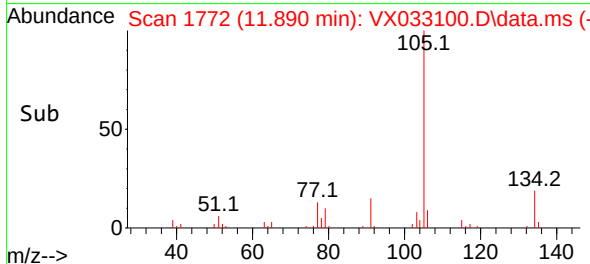
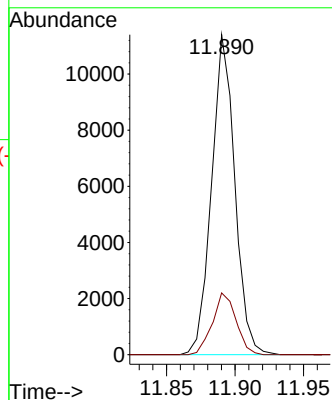
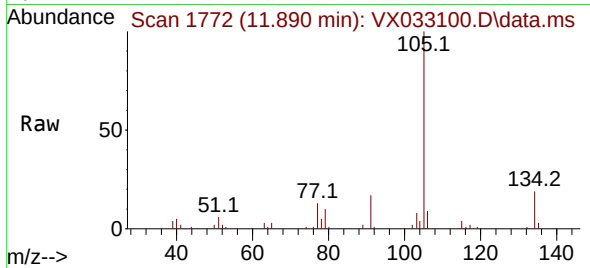
#81
 sec-Butylbenzene
 Concen: 2.206 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033100.D
 Acq: 28 Nov 2022 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Tgt Ion:105 Resp: 1343
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 44.4

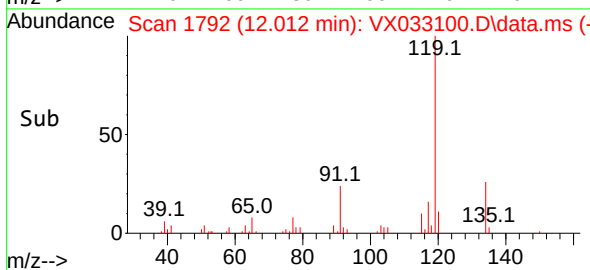
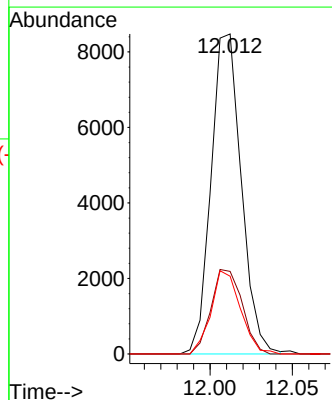
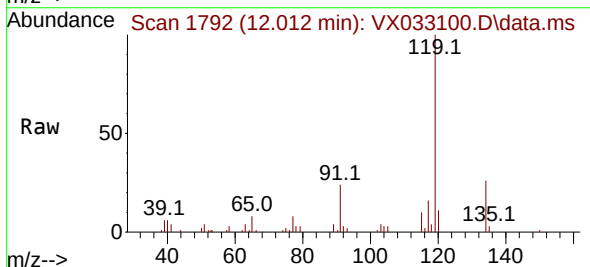
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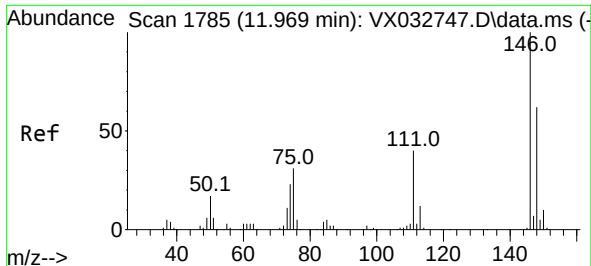
Reviewed By :John Carlone 11/29/2022
 Supervised By :Mahesh Dadoda 11/29/2022



#82
 p-Isopropyltoluene
 Concen: 2.110 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033100.D
 Acq: 28 Nov 2022 19:19

Tgt Ion:119 Resp: 10828
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 55.4
 91 25.3 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 2.308 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX033100.D

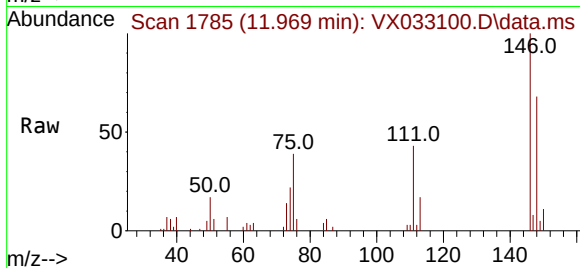
Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022



Tgt Ion:146 Resp: 6335

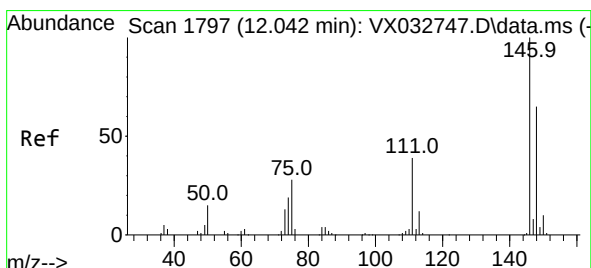
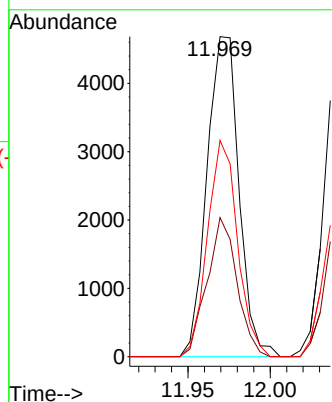
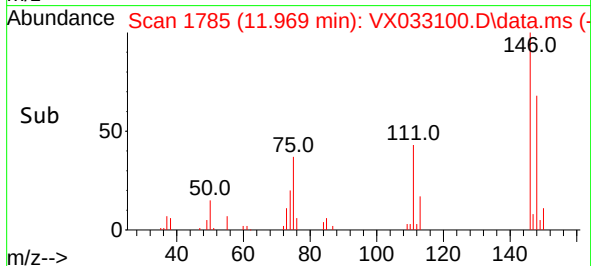
Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.4	58.1
148	63.5	32.6	97.7

Manual Integrations

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Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#84

1,4-Dichlorobenzene

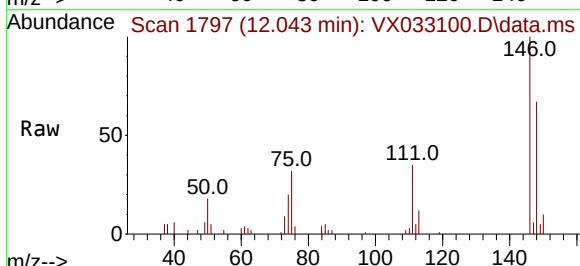
Concen: 2.391 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

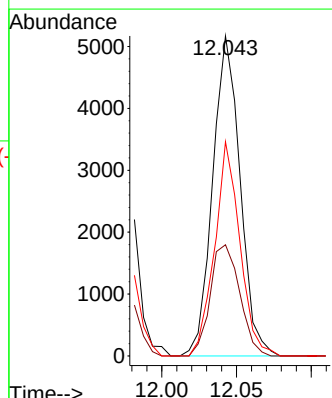
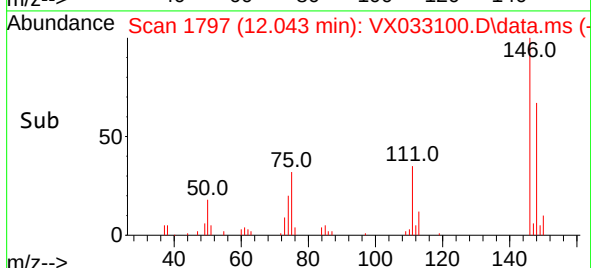
Lab File: VX033100.D

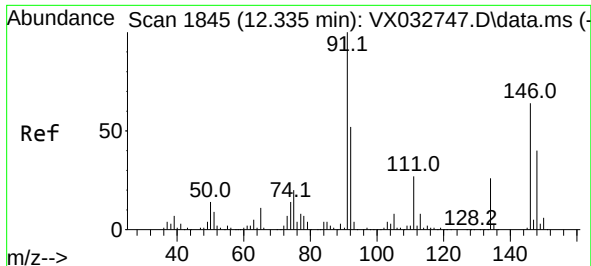
Acq: 28 Nov 2022 19:19



Tgt Ion:146 Resp: 6588

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	61.8	31.6	95.0





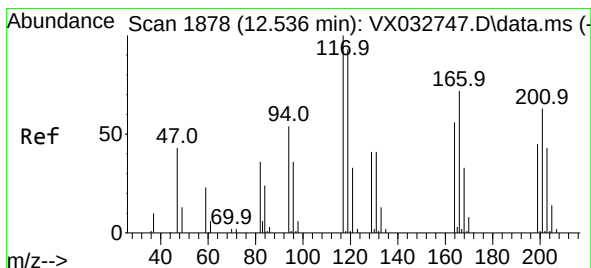
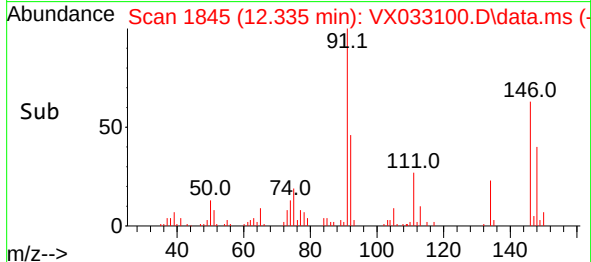
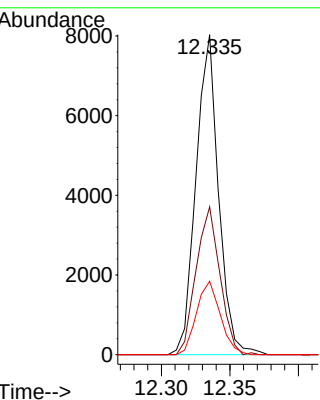
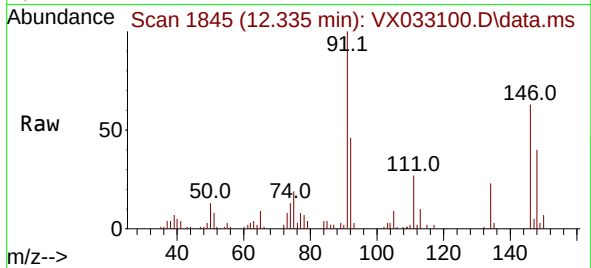
#85
n-Butylbenzene
Concen: 2.112 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 91 Resp: 9180
Ion Ratio Lower Upper
91 100
92 48.6 0.0 108.4
134 24.3 0.0 60.6

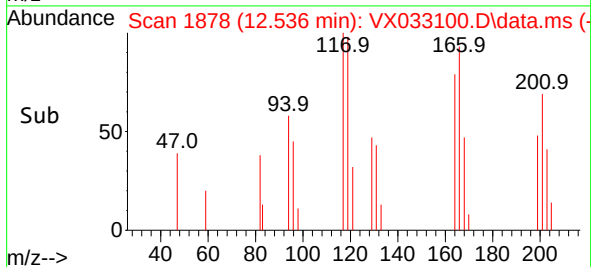
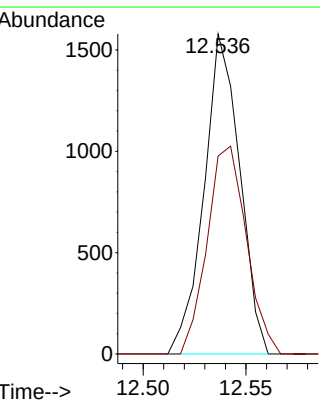
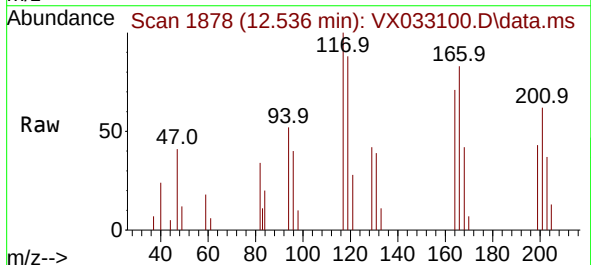
Manual Integrations
APPROVED

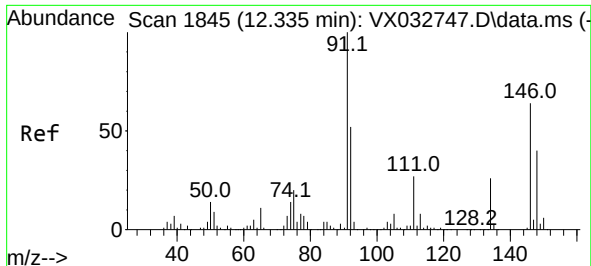
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#86
Hexachloroethane
Concen: 2.265 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

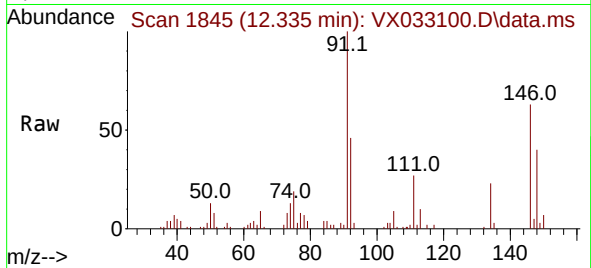
Tgt Ion:117 Resp: 1908
Ion Ratio Lower Upper
117 100
201 71.4 37.7 113.1





#87
1,2-Dichlorobenzene
Concen: 2.364 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

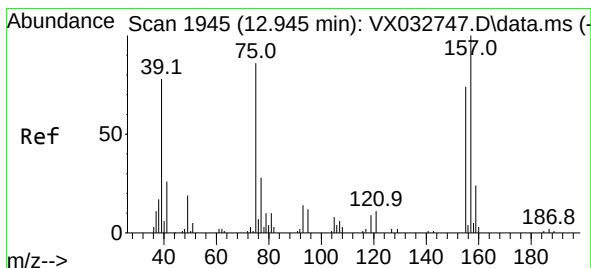
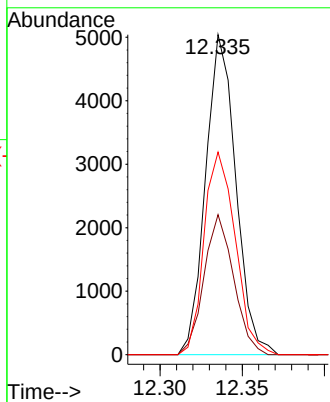
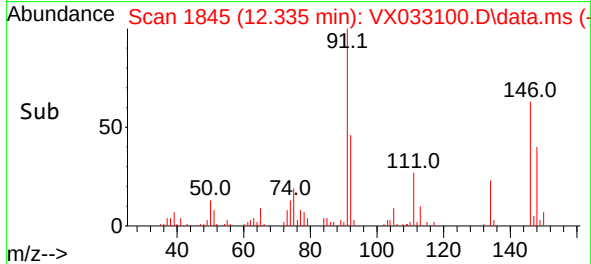
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



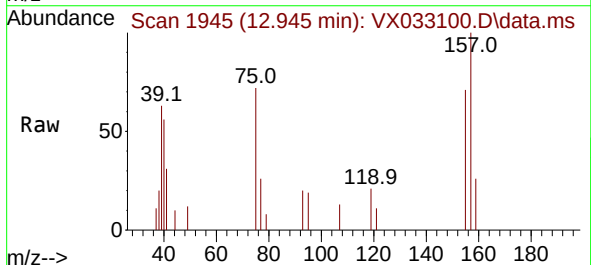
Tgt Ion:146 Resp: 644
Ion Ratio Lower Upper
146 100
111 43.0 20.0 60.0
148 65.4 33.0 99.0

Manual Integrations
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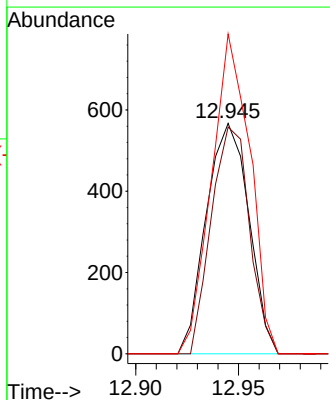
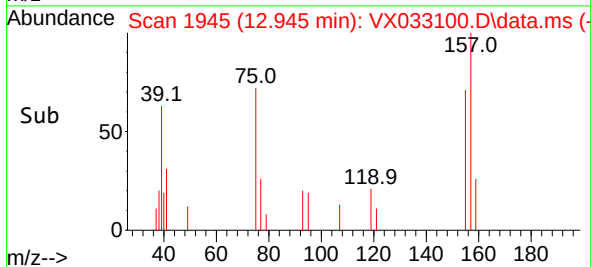
Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022

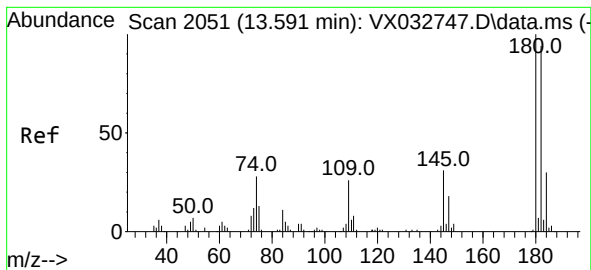


#88
1,2-Dibromo-3-Chloropropane
Concen: 2.067 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19



Tgt Ion: 75 Resp: 819
Ion Ratio Lower Upper
75 100
155 88.3 85.0 127.6
157 125.3 101.0 151.6





#89

1,2,4-Trichlorobenzene

Concen: 2.239 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022

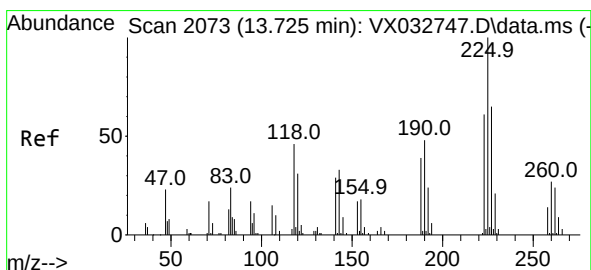
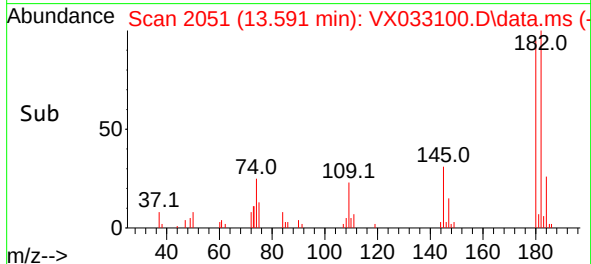
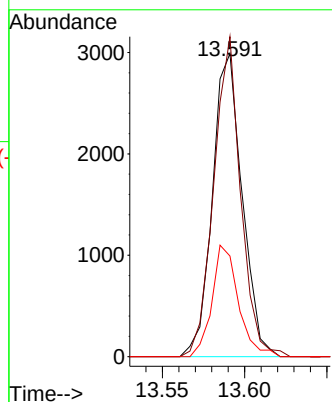
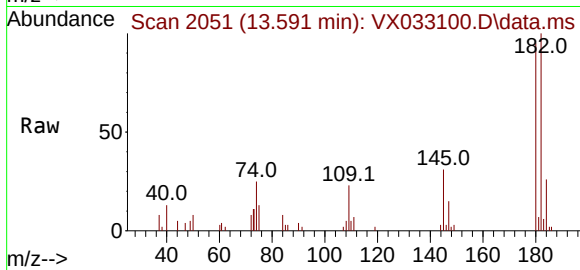
Tgt Ion:180	Resp:	375
Ion Ratio	Lower	Upper
180	100	
182	95.7	75.3 112.9
145	32.7	25.9 38.9

Manual Integrations

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Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#90

Hexachlorobutadiene

Concen: 2.505 ug/l

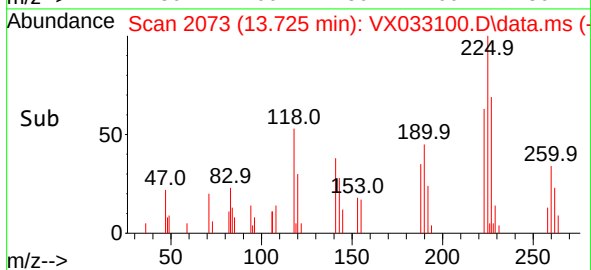
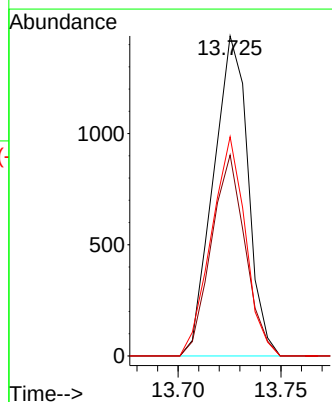
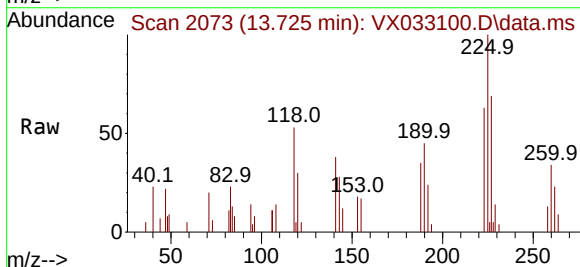
RT: 13.725 min Scan# 2073

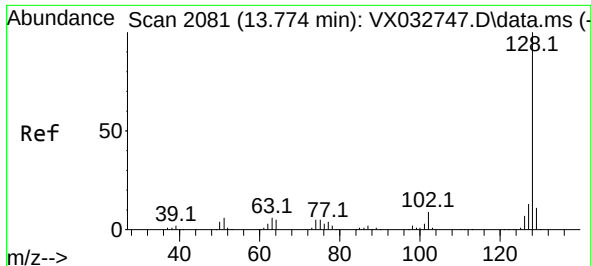
Delta R.T. 0.000 min

Lab File: VX033100.D

Acq: 28 Nov 2022 19:19

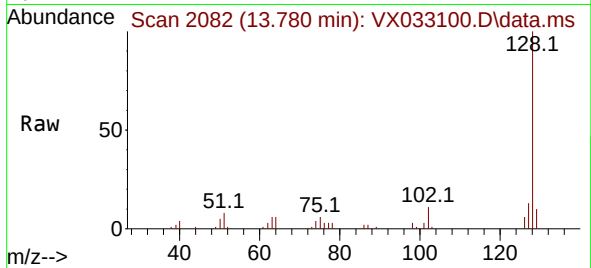
Tgt Ion:225	Resp:	1689
Ion Ratio	Lower	Upper
225	100	
223	61.6	0.0 126.0
227	67.4	0.0 127.6





#91
Naphthalene
Concen: 2.031 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

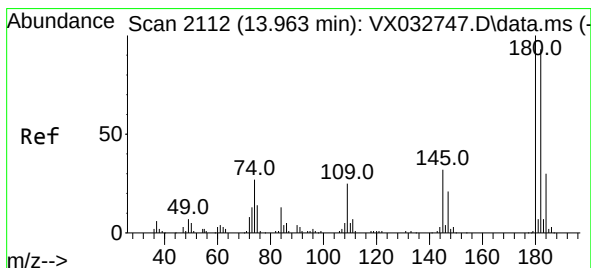
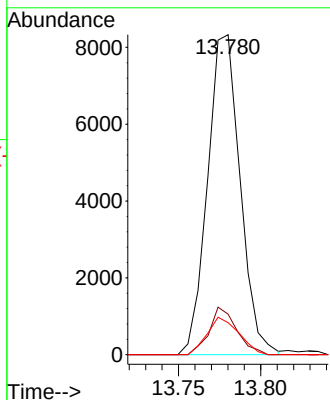
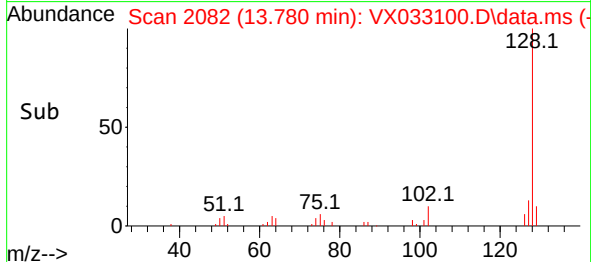
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022



Tgt Ion:128 Resp: 1148
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.4 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/29/2022
Supervised By :Mahesh Dadoda 11/29/2022



#92
1,2,3-Trichlorobenzene
Concen: 2.267 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033100.D
Acq: 28 Nov 2022 19:19

Tgt Ion:180 Resp: 3820
Ion Ratio Lower Upper
180 100
182 97.0 0.0 199.0
145 34.8 0.0 68.2

