

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039192.D
 Acq On : 13 Dec 2023 16:25
 Operator : JC/MD
 Sample : VX1213WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Quant Time: Dec 14 01:33:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109522	51.600	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.200%			
35) Dibromofluoromethane	5.379	113	76506	52.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.647	98	284430	52.246	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.500%			
62) 4-Bromofluorobenzene	11.079	95	118374	52.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35474	21.789	ug/l	97
3) Chloromethane	1.295	50	35807	19.839	ug/l	99
4) Vinyl Chloride	1.374	62	33414	19.906	ug/l	99
5) Bromomethane	1.605	94	21923	22.701	ug/l	99
6) Chloroethane	1.685	64	19513	19.290	ug/l	99
7) Trichlorofluoromethane	1.886	101	49160	20.000	ug/l	98
8) Diethyl Ether	2.130	74	17300	20.336	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	30462	20.309	ug/l	95
10) Methyl Iodide	2.453	142	32932	21.241	ug/l	95
11) Tert butyl alcohol	2.947	59	57086	107.104	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	29889	20.061	ug/l	94
13) Acrolein	2.233	56	43816	103.047	ug/l	99
14) Allyl chloride	2.660	41	58979	19.541	ug/l	98
15) Acrylonitrile	3.056	53	111436	104.452	ug/l	99
16) Acetone	2.374	43	118619	80.159	ug/l	95
17) Carbon Disulfide	2.514	76	86637	19.870	ug/l	97
18) Methyl Acetate	2.697	43	92419	20.131	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	106839	19.827	ug/l	97
20) Methylene Chloride	2.788	84	35665	20.157	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32766	20.210	ug/l	99
22) Diisopropyl ether	3.751	45	112284	20.437	ug/l	95
23) Vinyl Acetate	3.715	43	433207	105.911	ug/l	98
24) 1,1-Dichloroethane	3.605	63	61444	19.784	ug/l	99
25) 2-Butanone	4.544	43	165961	90.612	ug/l	98
26) 2,2-Dichloropropane	4.471	77	52478	19.354	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	36603	20.455	ug/l	97
28) Bromochloromethane	4.891	49	27796	18.342	ug/l	95
29) Tetrahydrofuran	4.995	42	105350	104.155	ug/l	100
30) Chloroform	5.093	83	61793	19.910	ug/l	99
31) Cyclohexane	5.465	56	56636	20.659	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	53022	19.679	ug/l	97
36) 1,1-Dichloropropene	5.690	75	45757	19.774	ug/l	99
37) Ethyl Acetate	4.709	43	59818	20.924	ug/l	99
38) Carbon Tetrachloride	5.678	117	43659	19.770	ug/l	97
39) Methylcyclohexane	7.379	83	57359	20.636	ug/l	98
40) Benzene	6.038	78	132332	20.216	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	31257	20.492	ug/l	95
42) 1,2-Dichloroethane	6.080	62	54020	20.387	ug/l	100
43) Isopropyl Acetate	6.330	43	95033	20.442	ug/l	99
44) Trichloroethene	7.123	130	32360	19.591	ug/l	92
45) 1,2-Dichloropropane	7.428	63	35907	20.439	ug/l	97
46) Dibromomethane	7.580	93	25447	20.606	ug/l	95
47) Bromodichloromethane	7.818	83	48166	20.399	ug/l	99
48) Methyl methacrylate	7.690	41	56660	20.847	ug/l	97
49) 1,4-Dioxane	7.653	88	16855	460.078	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	311516	105.170	ug/l	98
52) Toluene	8.714	92	81823	20.710	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	52810	20.315	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	57247	20.467	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	33406	20.254	ug/l	93
56) Ethyl methacrylate	9.116	69	42673	21.193	ug/l	97
57) 1,3-Dichloropropane	9.305	76	58644	20.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	132820	112.339	ug/l	94
59) 2-Hexanone	9.427	43	252764	98.877	ug/l	99
60) Dibromochloromethane	9.519	129	33220	19.915	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36432	20.691	ug/l	100
64) Tetrachloroethene	9.275	164	25229	19.645	ug/l	93
65) Chlorobenzene	10.080	112	84943	19.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	30217	19.942	ug/l	98
67) Ethyl Benzene	10.189	91	159561	19.983	ug/l	96
68) m/p-Xylenes	10.299	106	117530	41.052	ug/l	96
69) o-Xylene	10.640	106	56096	20.265	ug/l	92
70) Styrene	10.653	104	81888	20.235	ug/l	95
71) Bromoform	10.799	173	22796	20.240	ug/l #	98
73) Isopropylbenzene	10.957	105	153258	20.451	ug/l	99
74) N-amyl acetate	10.842	43	78077	20.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	57194	20.516	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	50947m	20.274	ug/l	
77) Bromobenzene	11.195	156	33527	20.231	ug/l	87
78) n-propylbenzene	11.305	91	190241	20.604	ug/l	96
79) 2-Chlorotoluene	11.360	91	111665	19.994	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	131763	20.639	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	17419	19.554	ug/l	97
82) 4-Chlorotoluene	11.451	91	132610	20.215	ug/l	97
83) tert-Butylbenzene	11.713	119	121842	20.054	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	134023	20.471	ug/l	98
85) sec-Butylbenzene	11.890	105	154491	19.982	ug/l	98
86) p-Isopropyltoluene	12.006	119	130002	20.036	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	64263	19.739	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	66663	19.665	ug/l	97
89) n-Butylbenzene	12.329	91	132100	20.711	ug/l	96
90) Hexachloroethane	12.536	117	22878	19.519	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	61738	19.819	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15269	20.794	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	40857	20.030	ug/l	99
94) Hexachlorobutadiene	13.725	225	15626	20.328	ug/l	97
95) Naphthalene	13.774	128	147213	20.724	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	39645	20.133	ug/l	98

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Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

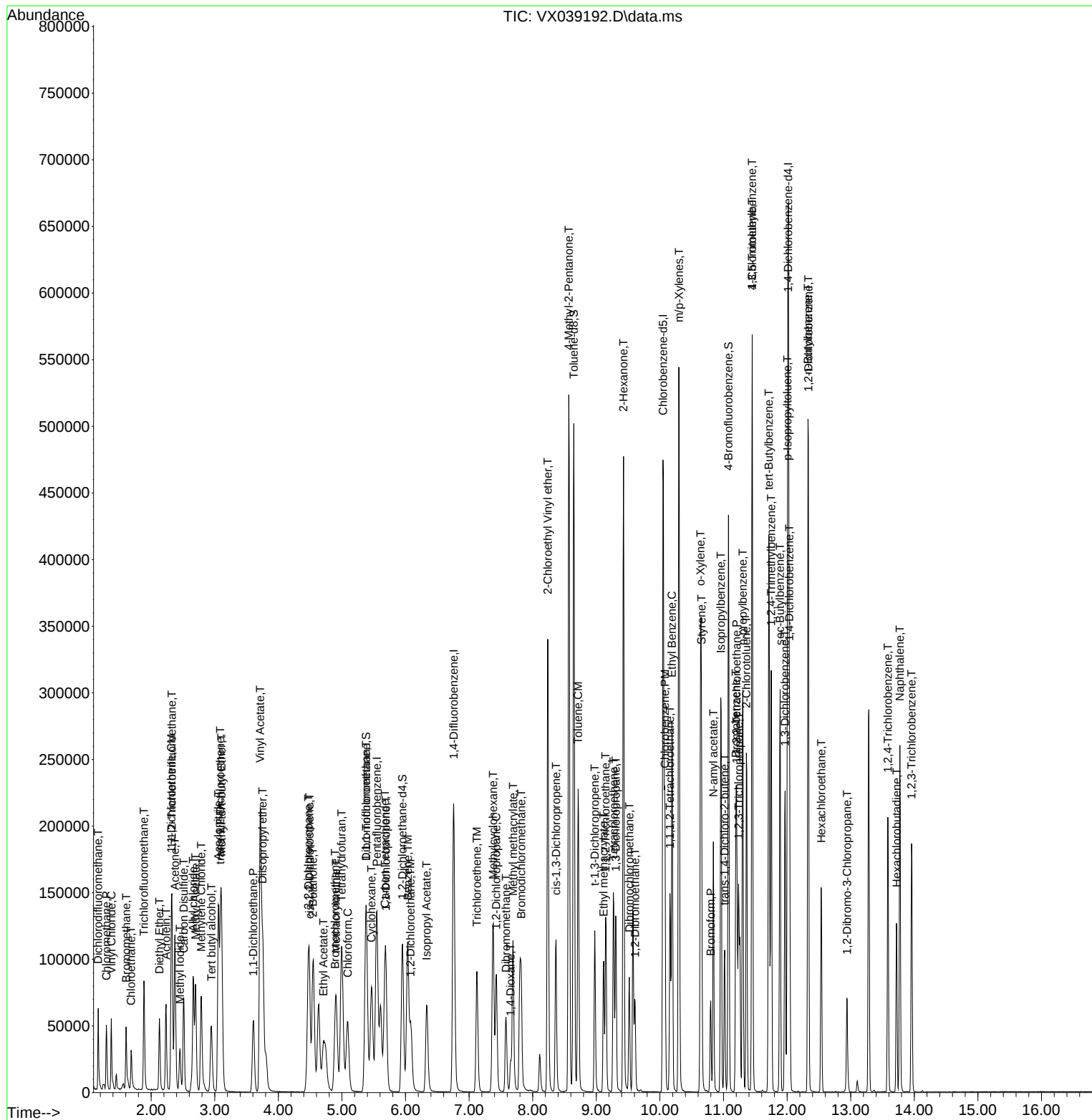
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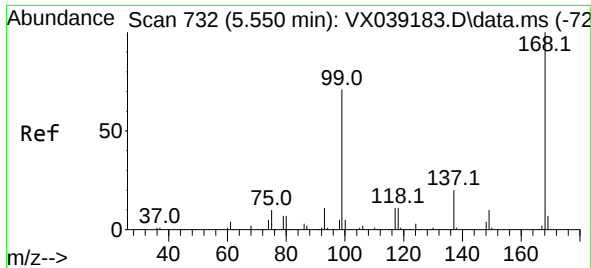
Instrument :
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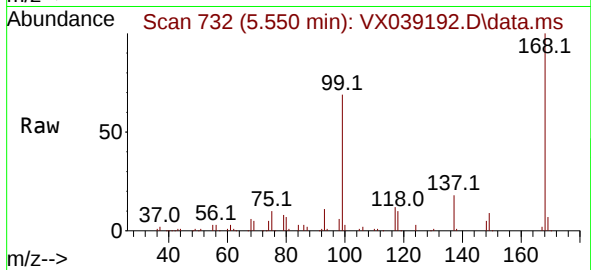
Quant Time: Dec 14 01:33:52 2023
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

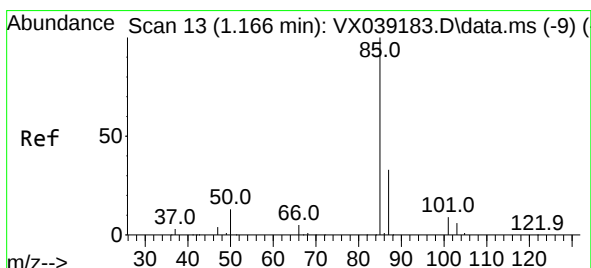
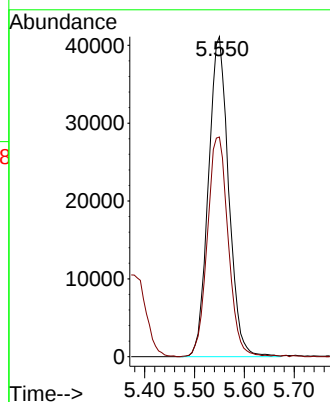
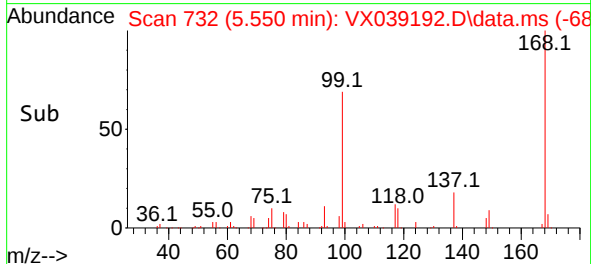
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion:168 Resp: 115862
Ion Ratio Lower Upper
168 100
99 68.7 56.6 85.0

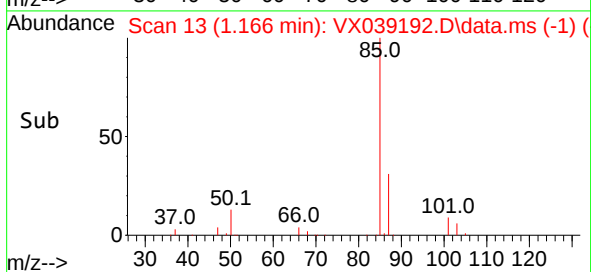
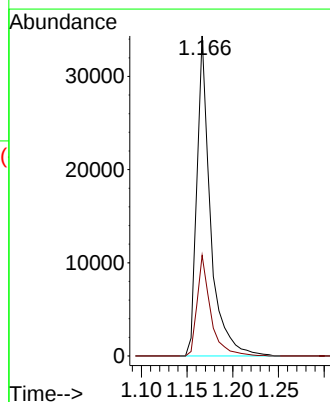
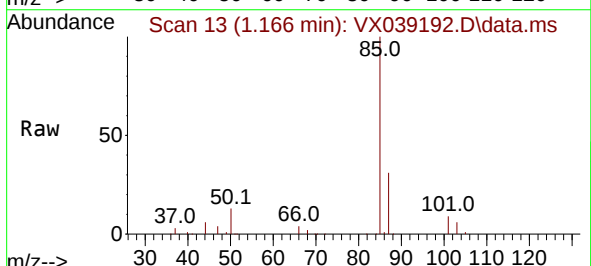
Manual Integrations
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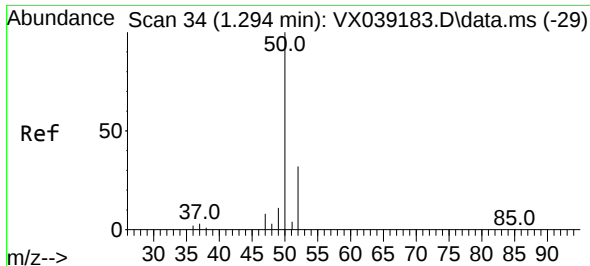
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#2
Dichlorodifluoromethane
Concen: 21.789 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

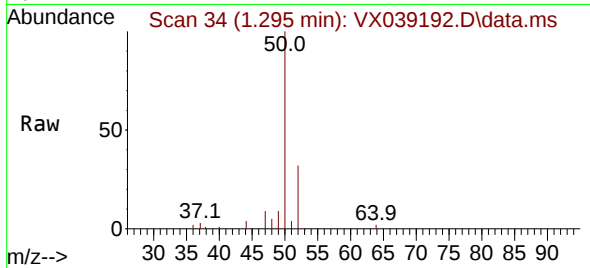
Tgt Ion: 85 Resp: 35474
Ion Ratio Lower Upper
85 100
87 31.5 16.7 50.1





#3
Chloromethane
Concen: 19.839 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

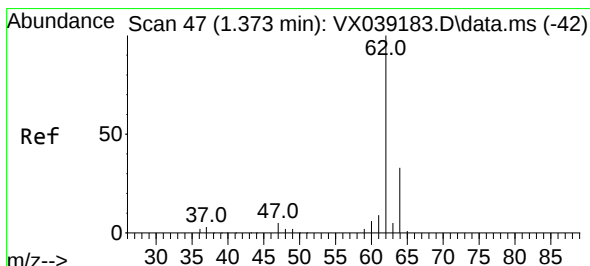
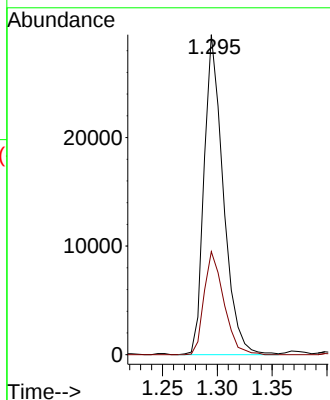
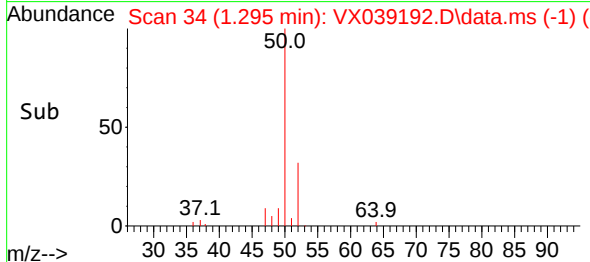
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion: 50 Resp: 3580
Ion Ratio Lower Upper
50 100
52 32.2 25.5 38.3

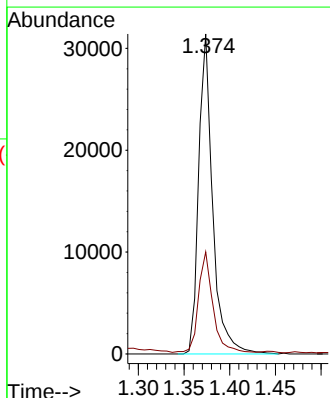
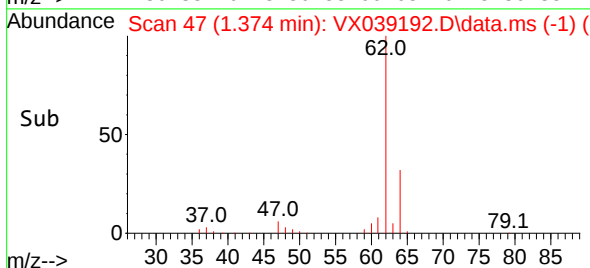
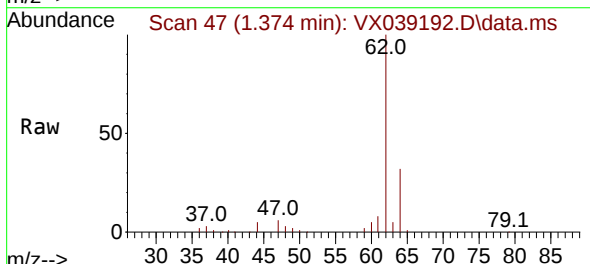
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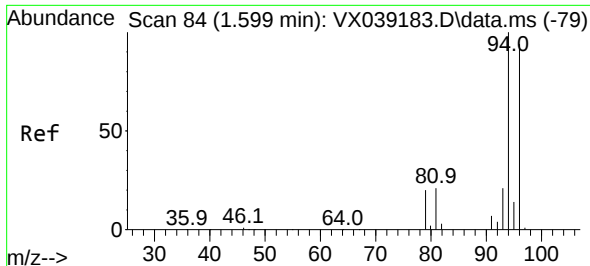
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#4
Vinyl Chloride
Concen: 19.906 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

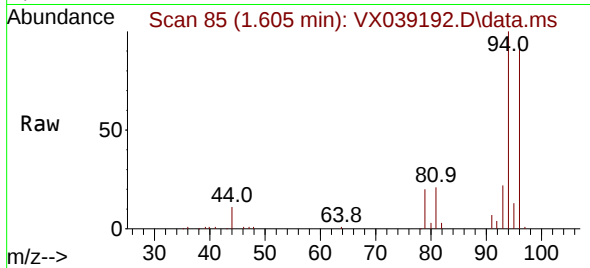
Tgt Ion: 62 Resp: 33414
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0





#5
Bromomethane
Concen: 22.701 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

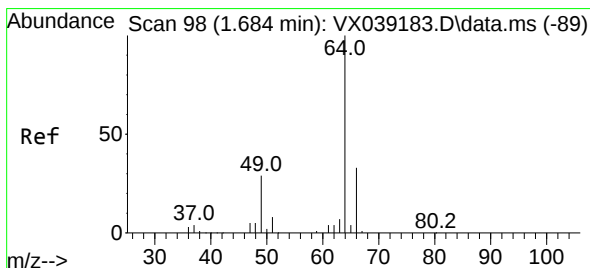
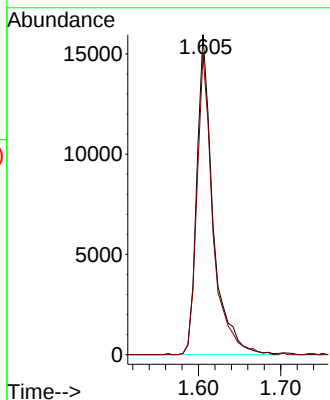
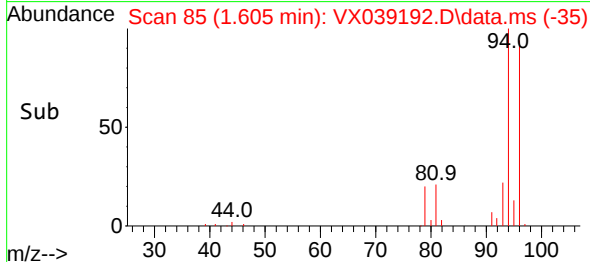
Instrument :
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Tgt Ion: 94 Resp: 2192
Ion Ratio Lower Upper
94 100
96 93.8 74.6 111.8

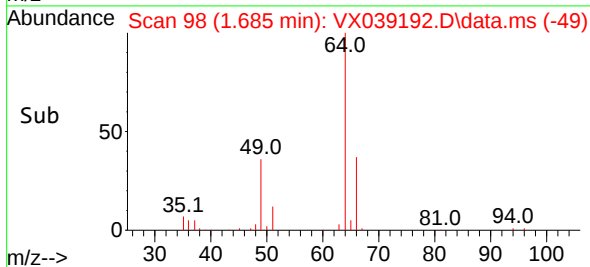
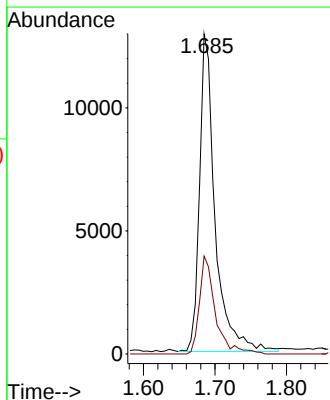
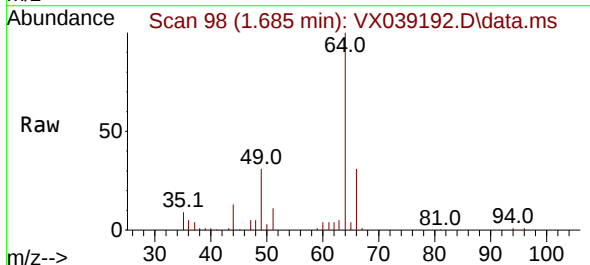
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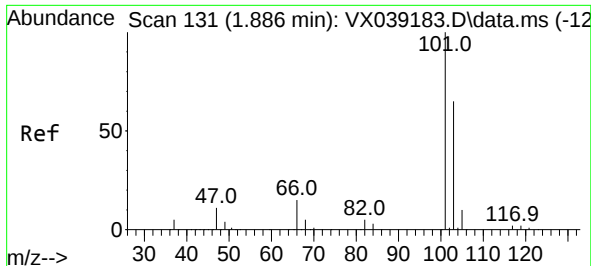
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#6
Chloroethane
Concen: 19.290 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

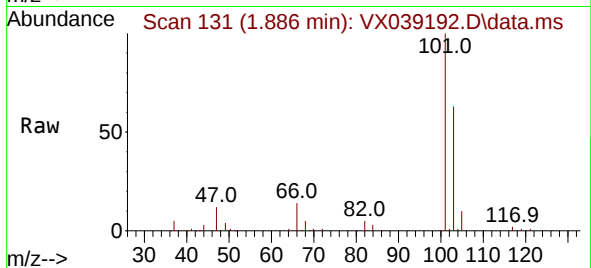
Tgt Ion: 64 Resp: 19513
Ion Ratio Lower Upper
64 100
66 30.8 25.1 37.7





#7
Trichlorofluoromethane
Concen: 20.000 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

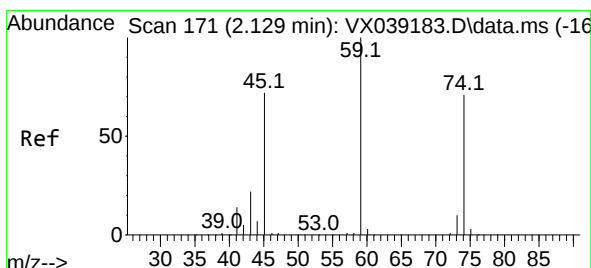
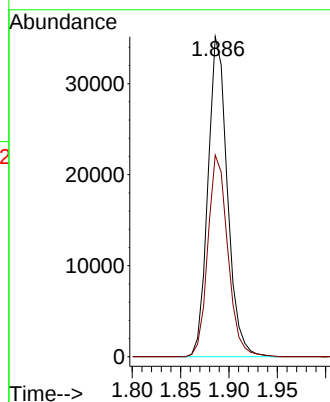
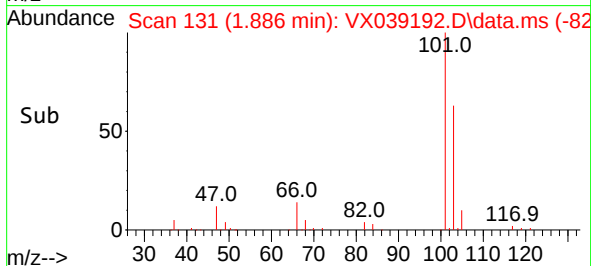
Instrument :
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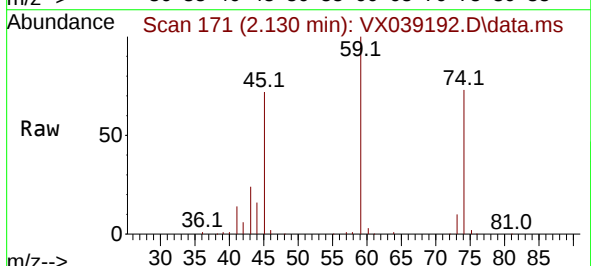
Tgt Ion:101 Resp: 49160
Ion Ratio Lower Upper
101 100
103 63.0 51.4 77.2

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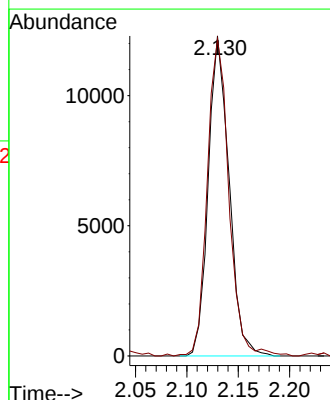
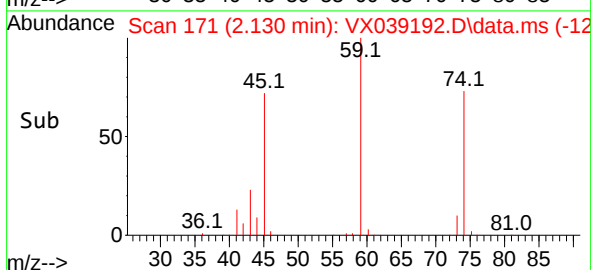
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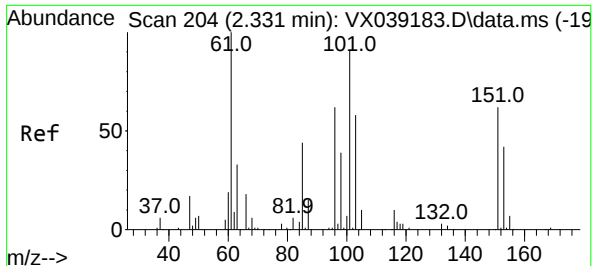


#8
Diethyl Ether
Concen: 20.336 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX039192.D
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Tgt Ion: 74 Resp: 17300
Ion Ratio Lower Upper
74 100
45 103.0 53.3 159.8





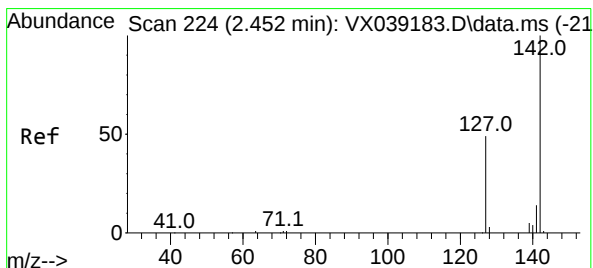
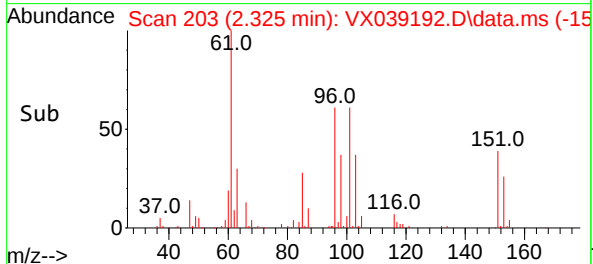
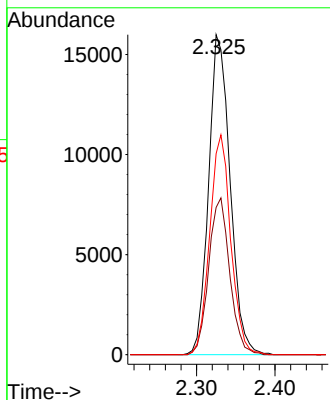
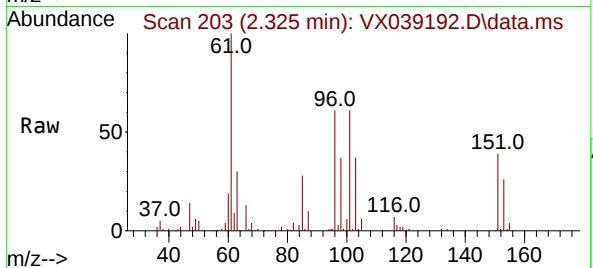
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.309 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:101 Resp: 3046
Ion Ratio Lower Upper
101 100
85 48.0 37.0 55.6
151 67.5 58.6 87.8

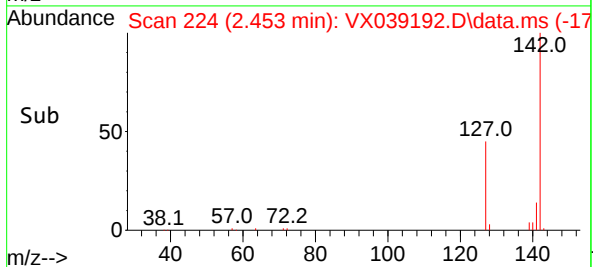
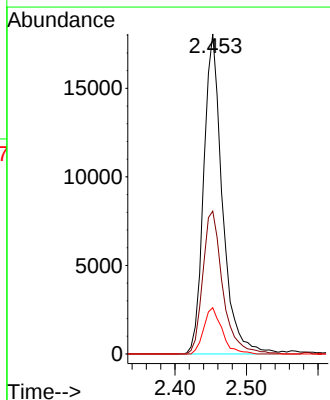
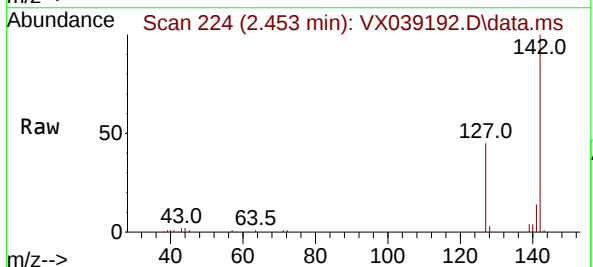
Manual Integrations
APPROVED

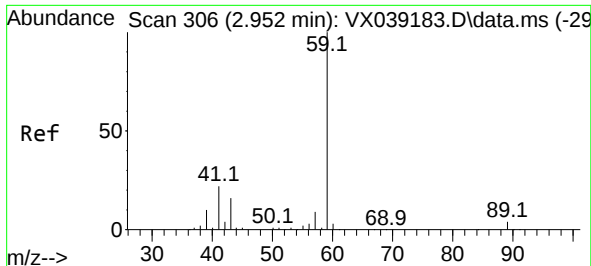
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#10
Methyl Iodide
Concen: 21.241 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion:142 Resp: 32932
Ion Ratio Lower Upper
142 100
127 47.4 41.6 62.4
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 107.104 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 59 Resp: 57080

Ion Ratio Lower Upper

59 100

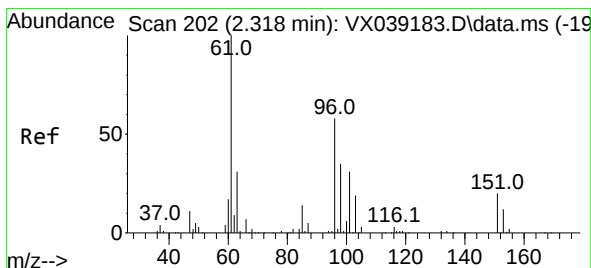
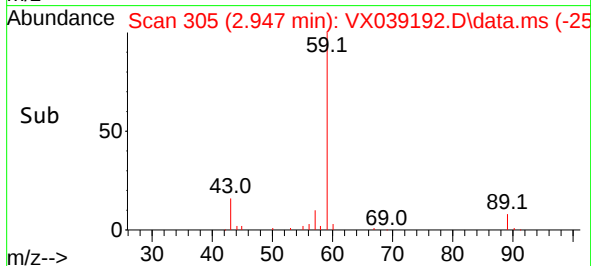
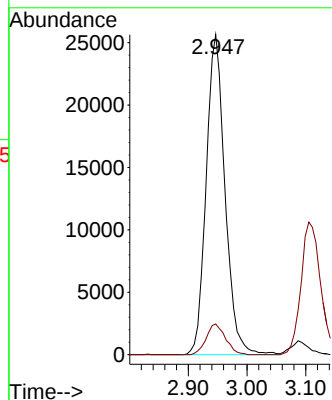
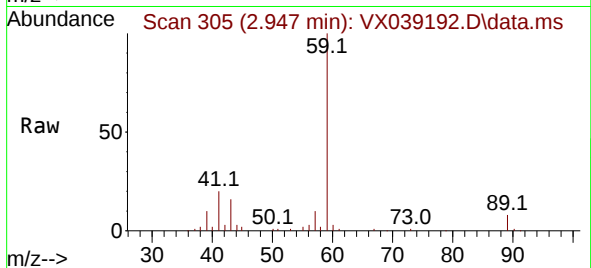
57 9.8 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#12

1,1-Dichloroethene

Concen: 20.061 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

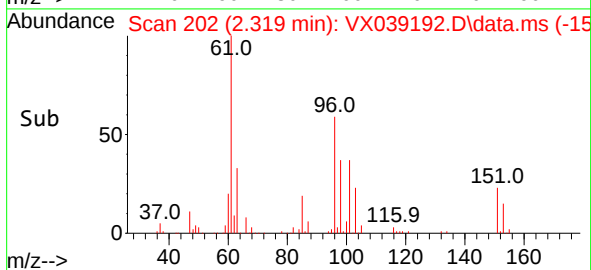
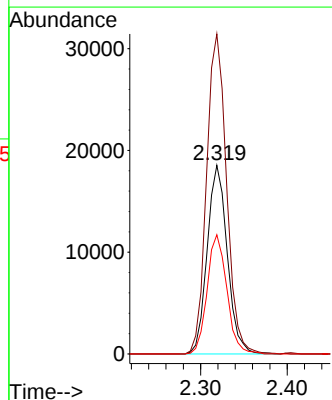
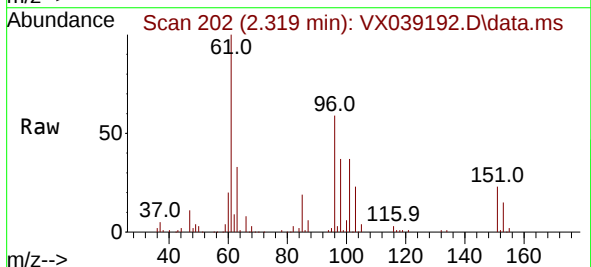
Tgt Ion: 96 Resp: 29889

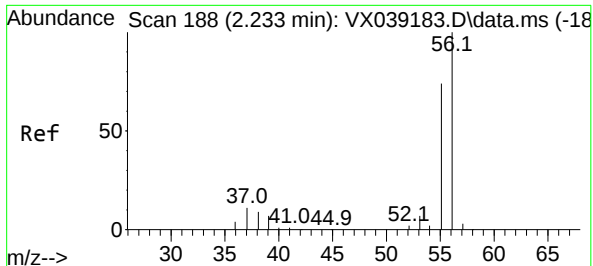
Ion Ratio Lower Upper

96 100

61 169.6 144.6 216.8

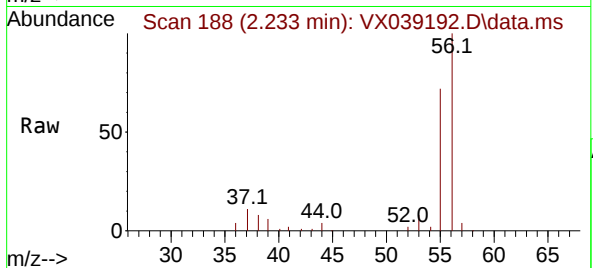
98 63.2 50.4 75.6





#13
Acrolein
Concen: 103.047 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

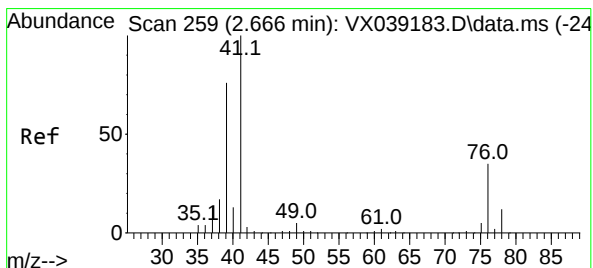
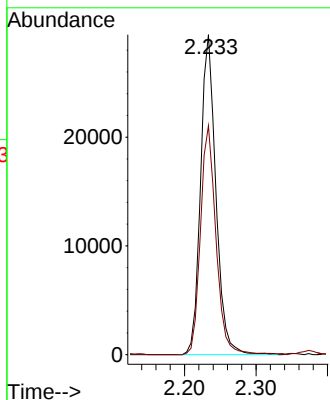
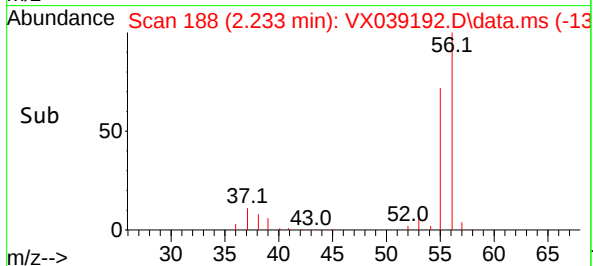
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



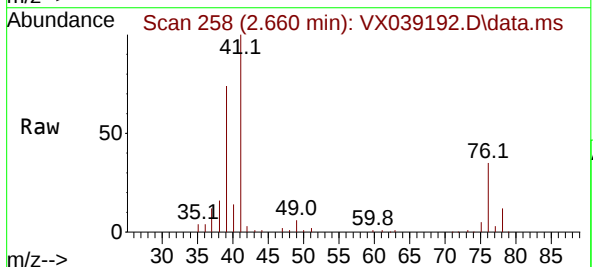
Tgt Ion: 56 Resp: 43810
Ion Ratio Lower Upper
56 100
55 72.5 57.1 85.7

Manual Integrations
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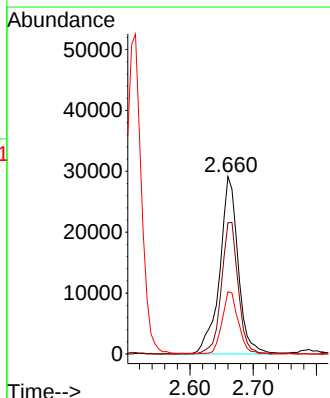
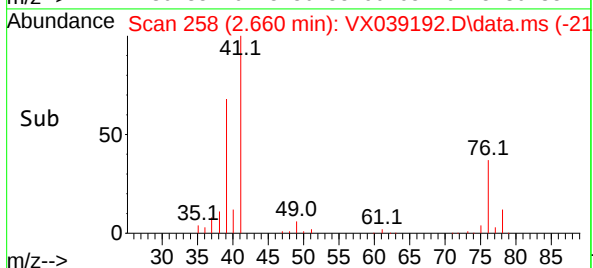
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

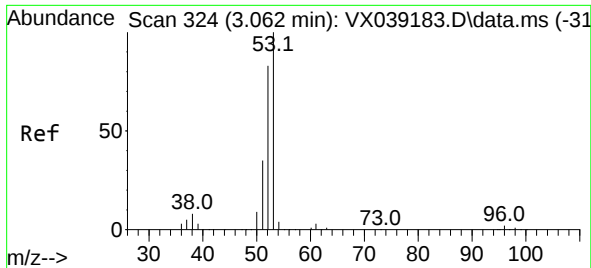


#14
Allyl chloride
Concen: 19.541 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25



Tgt Ion: 41 Resp: 58979
Ion Ratio Lower Upper
41 100
39 67.2 55.8 83.6
76 30.7 24.3 36.5





#15

Acrylonitrile

Concen: 104.452 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 53 Resp: 111430

Ion Ratio Lower Upper

53 100

52 83.7 66.0 99.0

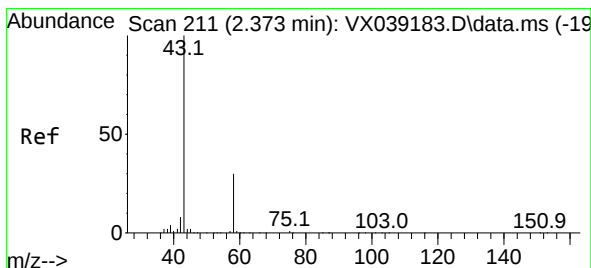
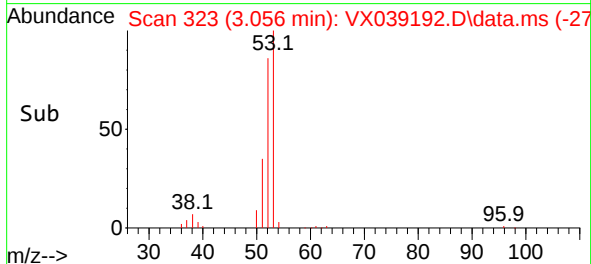
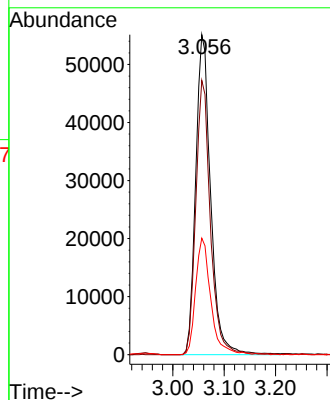
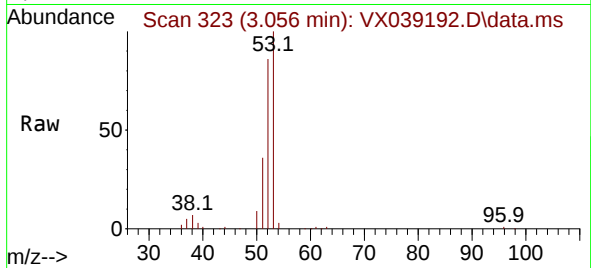
51 36.8 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#16

Acetone

Concen: 80.159 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039192.D

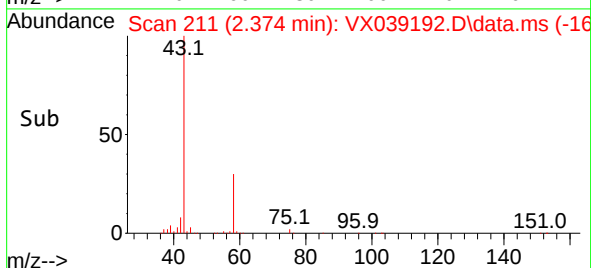
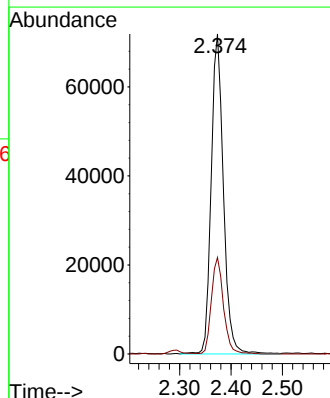
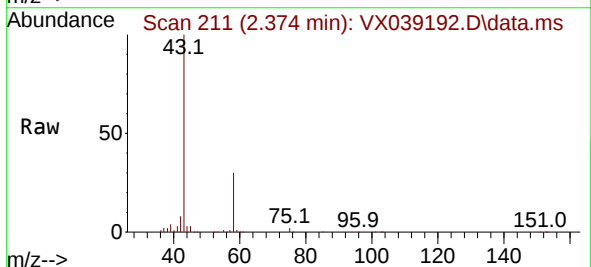
Acq: 13 Dec 2023 16:25

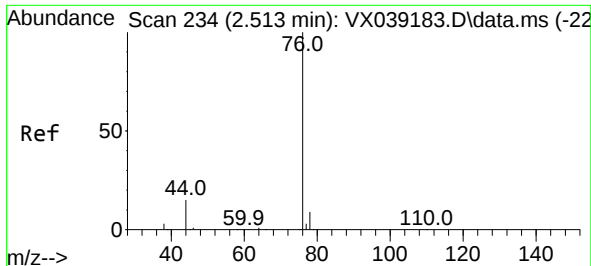
Tgt Ion: 43 Resp: 118619

Ion Ratio Lower Upper

43 100

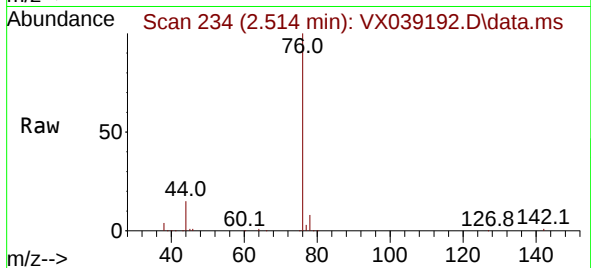
58 30.2 21.9 32.9





#17
Carbon Disulfide
Concen: 19.870 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

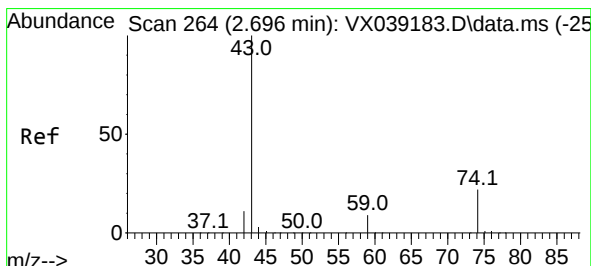
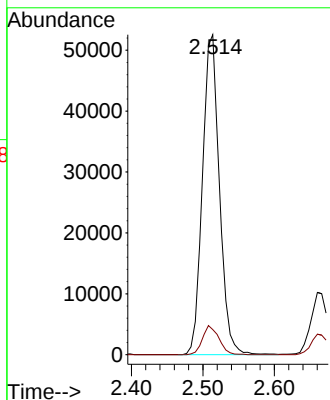
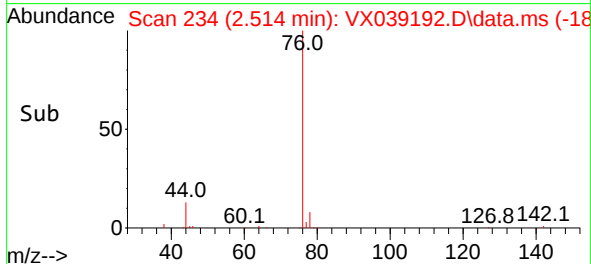
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



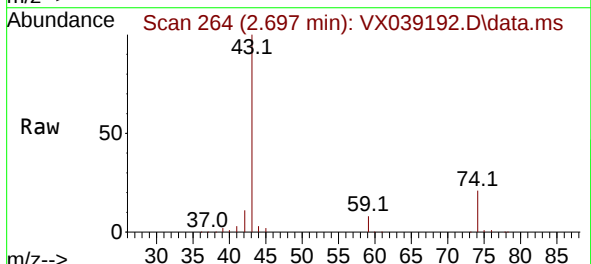
Tgt Ion: 76 Resp: 8663
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

Manual Integrations
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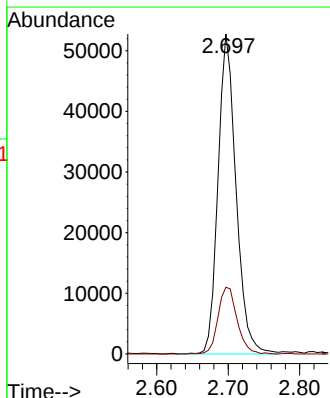
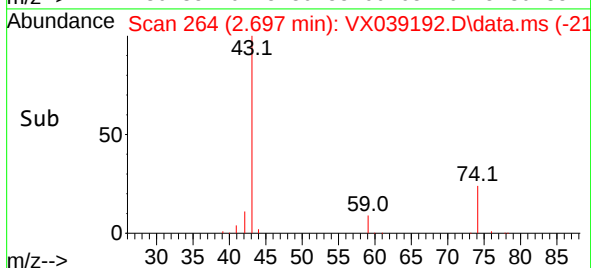
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

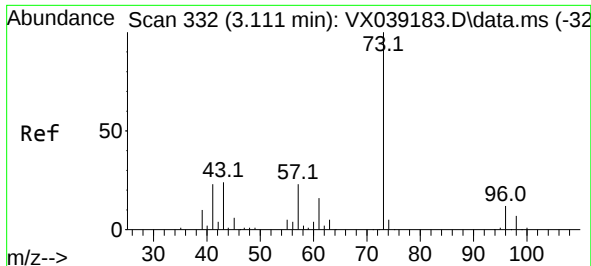


#18
Methyl Acetate
Concen: 20.131 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25



Tgt Ion: 43 Resp: 92419
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8





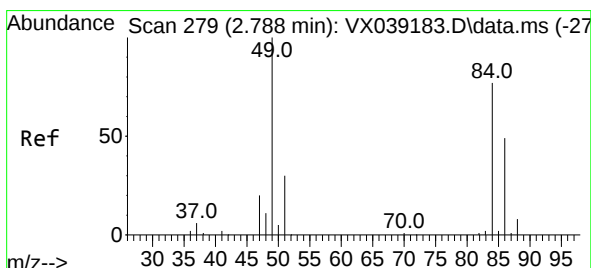
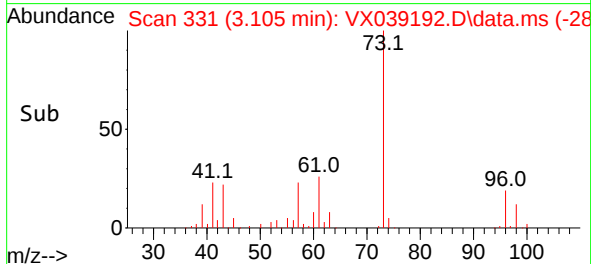
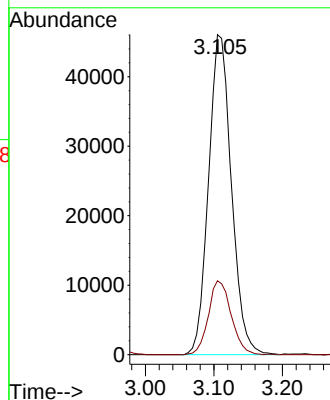
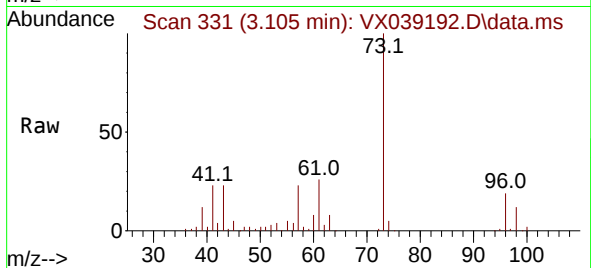
#19
Methyl tert-butyl Ether
Concen: 19.827 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion: 73 Resp: 106839
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9

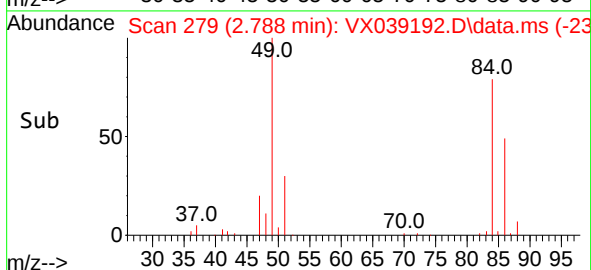
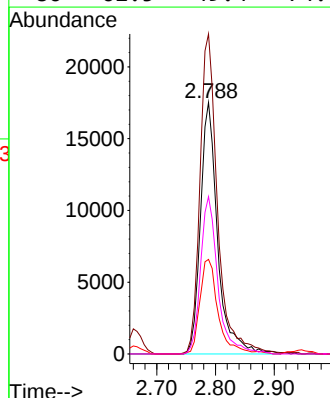
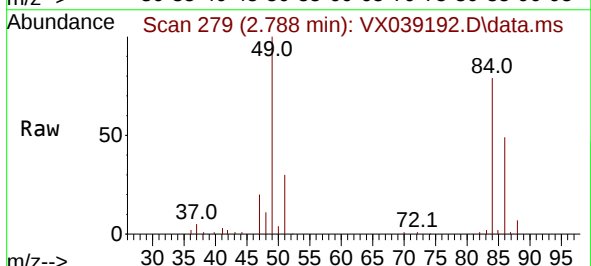
Manual Integrations
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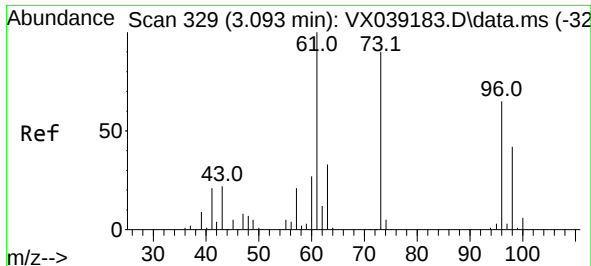
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#20
Methylene Chloride
Concen: 20.157 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

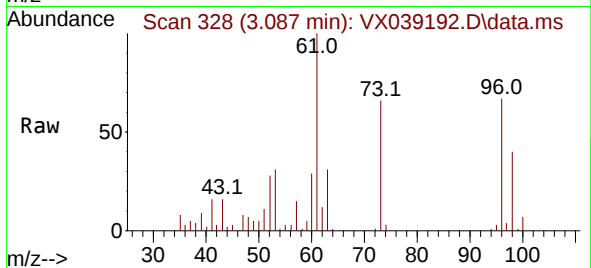
Tgt Ion: 84 Resp: 35665
Ion Ratio Lower Upper
84 100
49 127.3 103.6 155.4
51 37.6 33.8 50.6
86 62.5 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

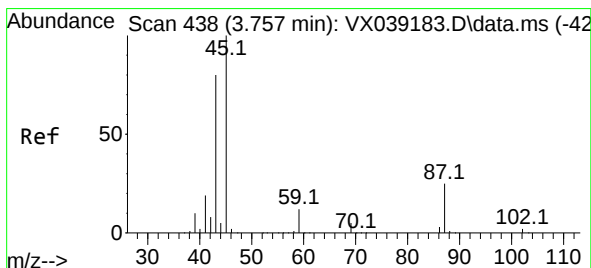
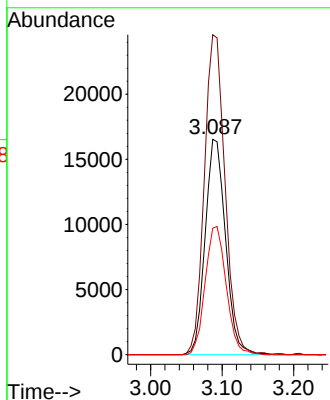
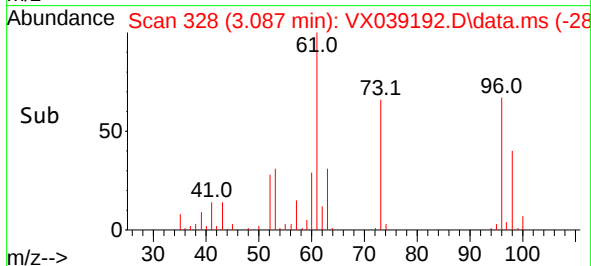
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



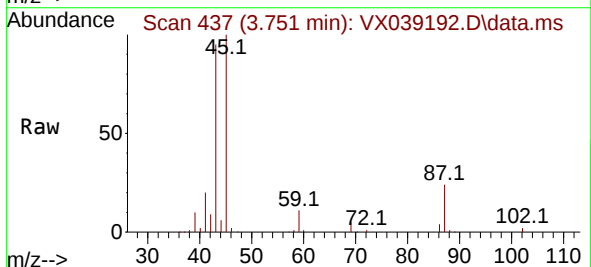
Tgt Ion: 96 Resp: 32760
Ion Ratio Lower Upper
96 100
61 148.5 119.2 178.8
98 58.7 48.7 73.1

Manual Integrations
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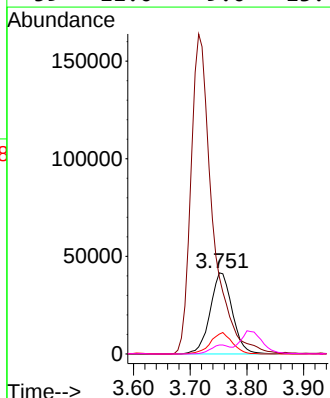
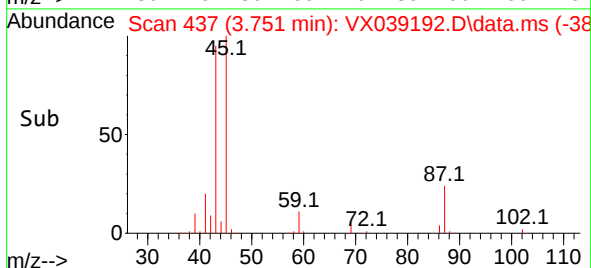
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

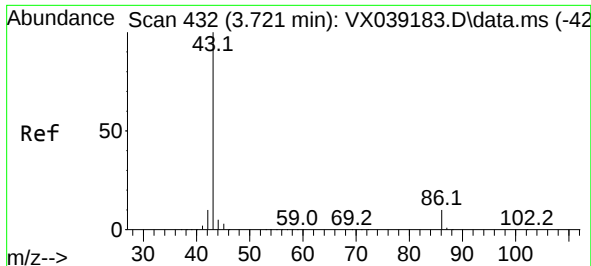


#22
Diisopropyl ether
Concen: 20.437 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25



Tgt Ion: 45 Resp: 112284
Ion Ratio Lower Upper
45 100
43 93.3 69.7 104.5
87 24.5 20.8 31.2
59 11.0 9.0 13.4





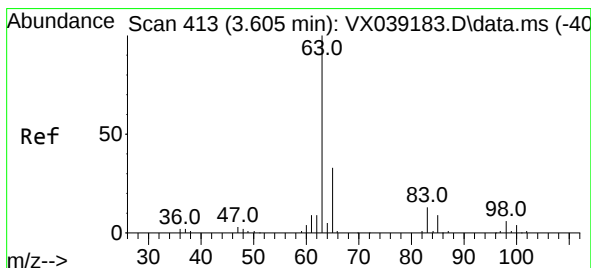
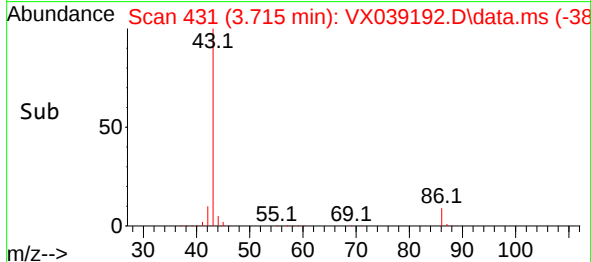
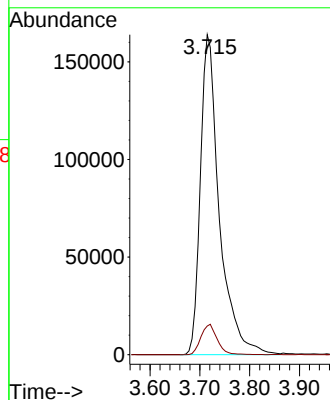
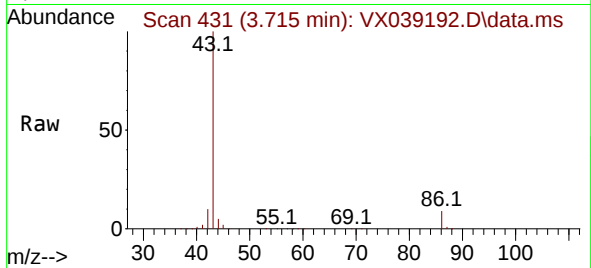
#23
 Vinyl Acetate
 Concen: 105.911 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Tgt Ion: 43 Resp: 43320
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.8 11.8

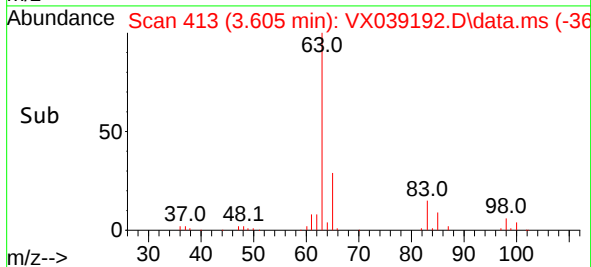
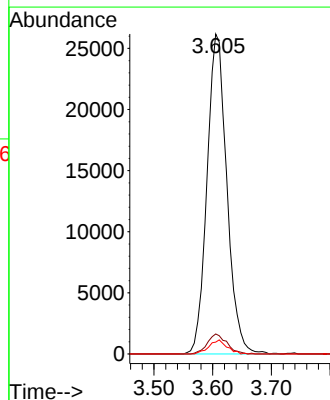
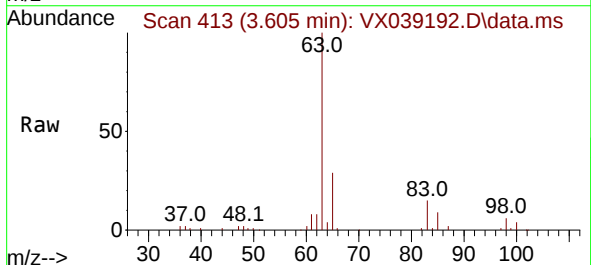
Manual Integrations
 APPROVED

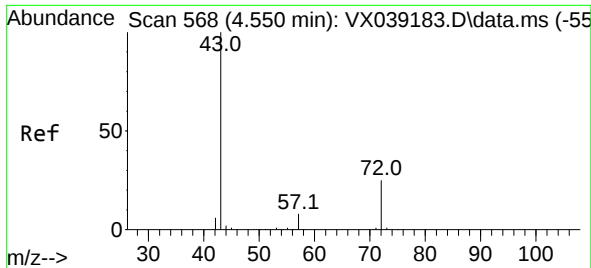
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#24
 1,1-Dichloroethane
 Concen: 19.784 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25

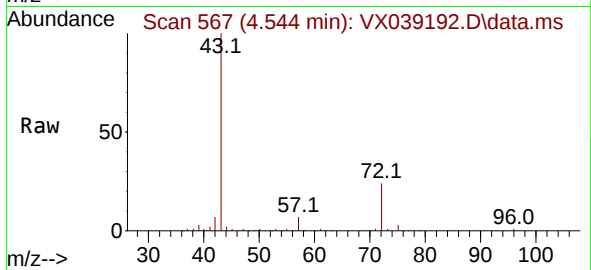
Tgt Ion: 63 Resp: 61444
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.8
 100 3.7 2.1 6.5





#25
2-Butanone
Concen: 90.612 ug/l
RT: 4.544 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

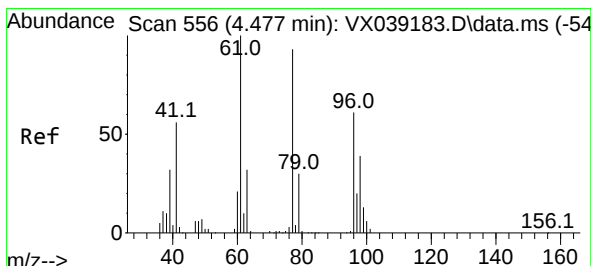
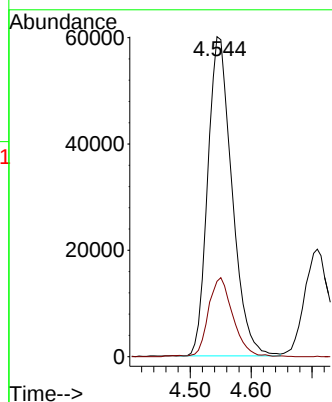
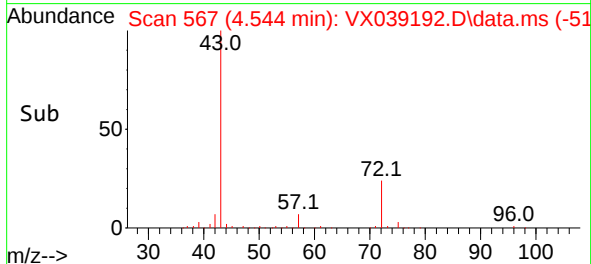
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion: 43 Resp: 16596
Ion Ratio Lower Upper
43 100
72 23.4 19.4 29.2

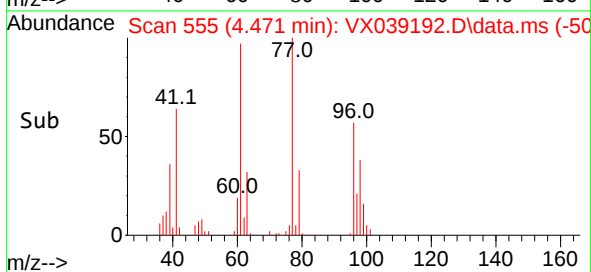
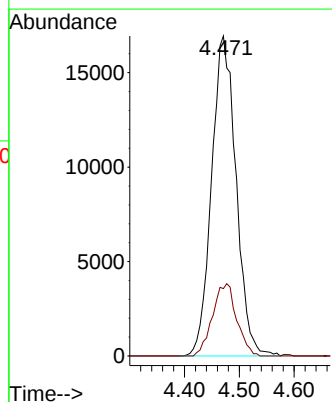
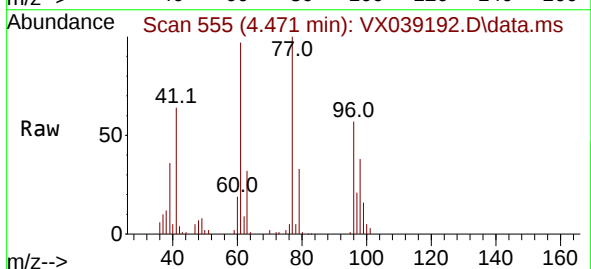
Manual Integrations
APPROVED

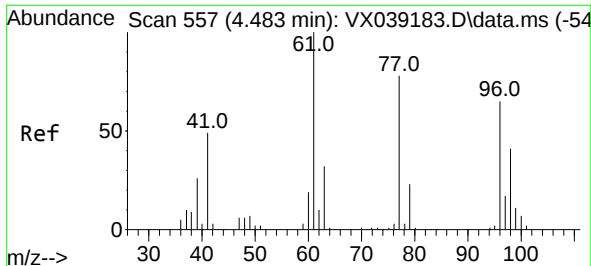
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#26
2,2-Dichloropropane
Concen: 19.354 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 77 Resp: 52478
Ion Ratio Lower Upper
77 100
97 22.3 10.8 32.3





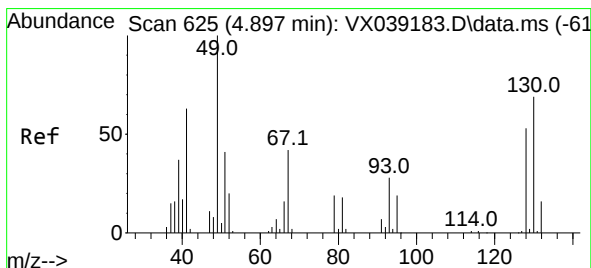
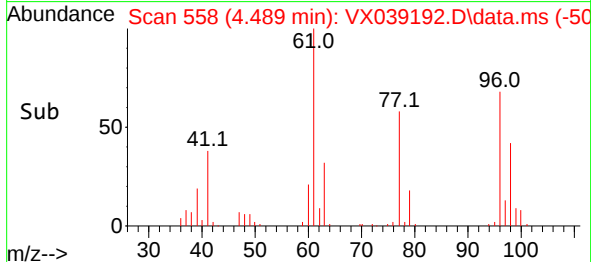
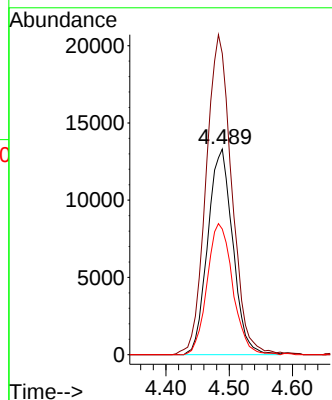
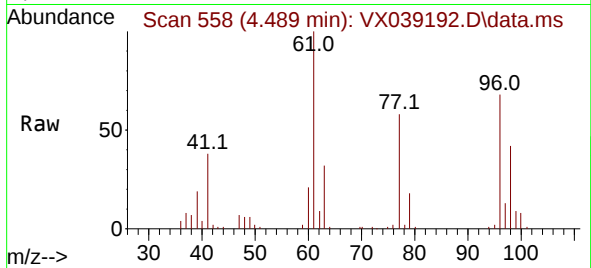
#27
 cis-1,2-Dichloroethene
 Concen: 20.455 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Tgt Ion: 96 Resp: 3660
 Ion Ratio Lower Upper
 96 100
 61 160.4 0.0 312.2
 98 65.2 0.0 129.0

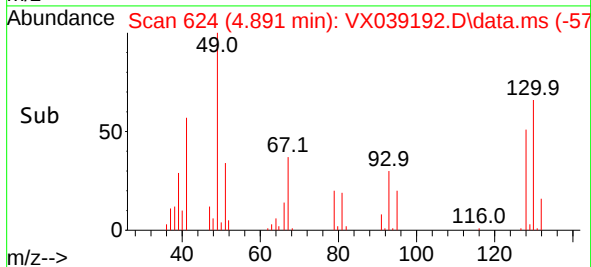
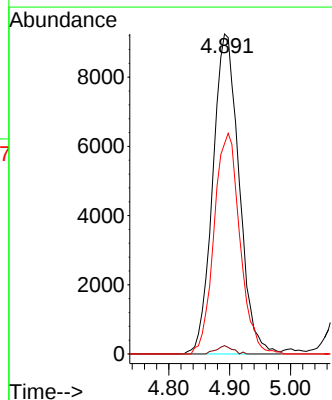
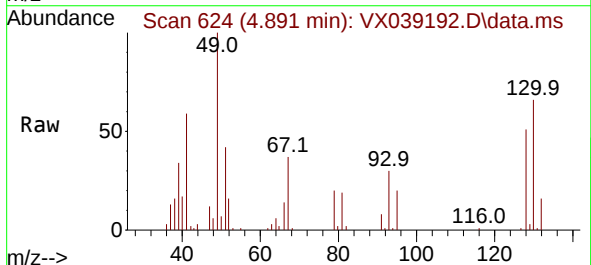
Manual Integrations
 APPROVED

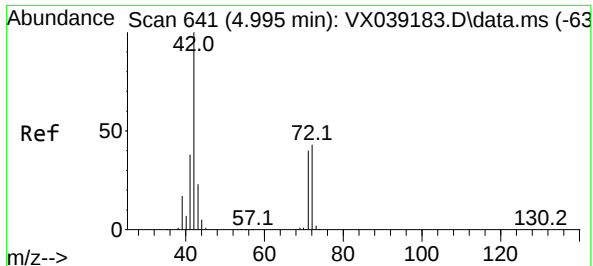
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#28
 Bromochloromethane
 Concen: 18.342 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.006 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25

Tgt Ion: 49 Resp: 27796
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.8
 130 67.7 57.5 86.3





#29

Tetrahydrofuran

Concen: 104.155 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 42 Resp: 105350

Ion Ratio Lower Upper

42 100

72 42.6 34.2 51.4

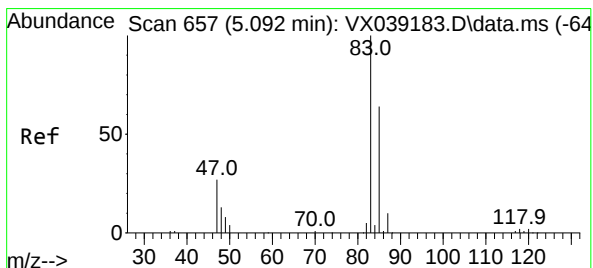
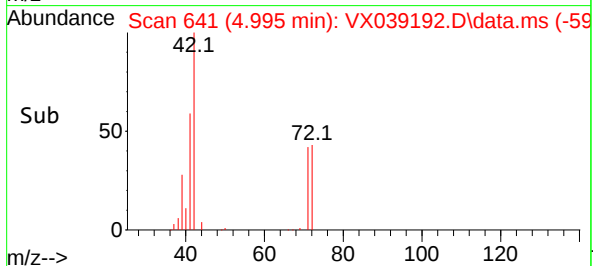
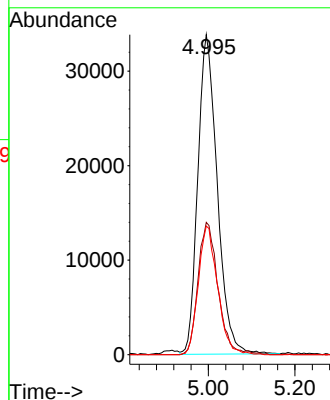
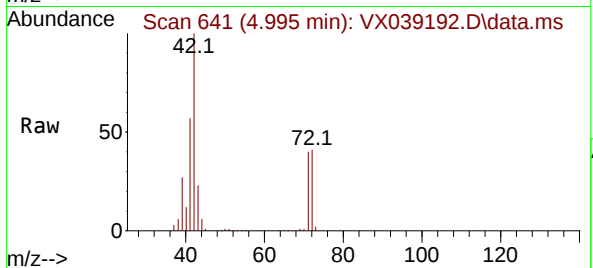
71 40.2 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#30

Chloroform

Concen: 19.910 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX039192.D

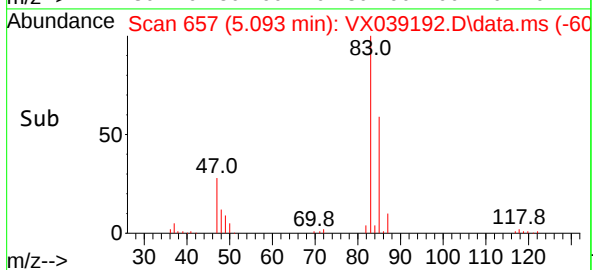
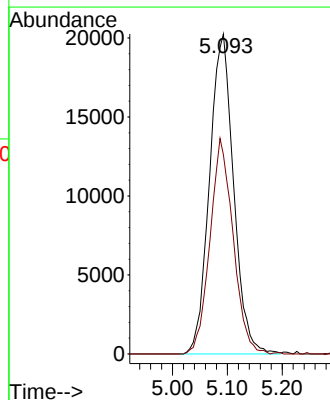
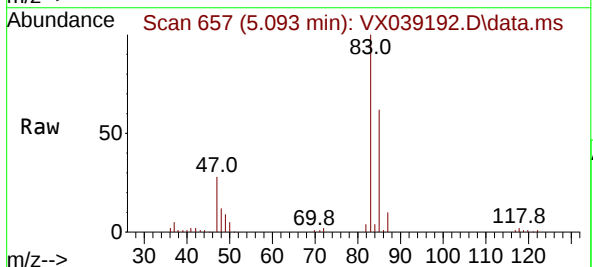
Acq: 13 Dec 2023 16:25

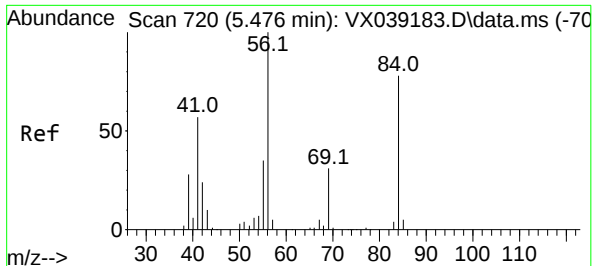
Tgt Ion: 83 Resp: 61793

Ion Ratio Lower Upper

83 100

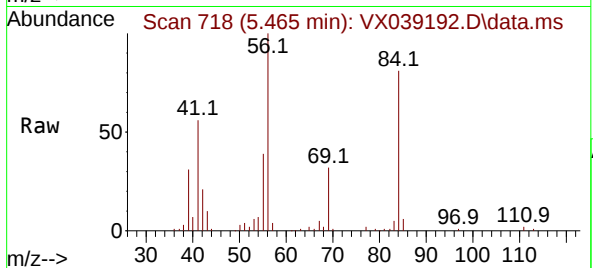
85 62.2 50.3 75.5





#31
Cyclohexane
Concen: 20.659 ug/l
RT: 5.465 min Scan# 718
Delta R.T. -0.012 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

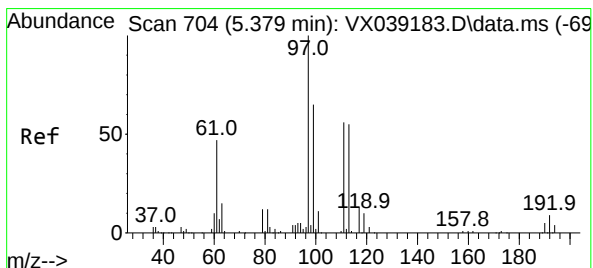
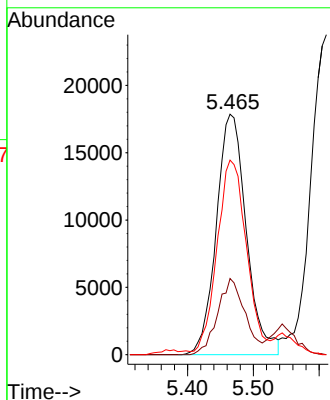
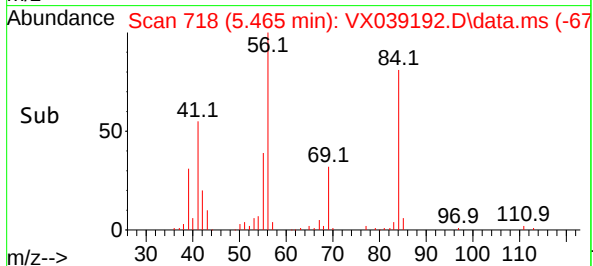
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion: 56 Resp: 56630
Ion Ratio Lower Upper
56 100
69 31.7 23.4 35.2
84 79.6 65.9 98.9

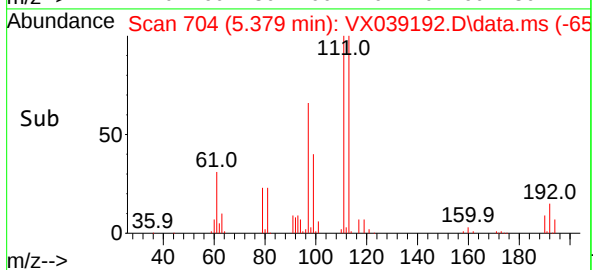
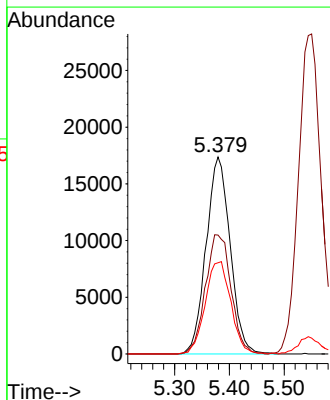
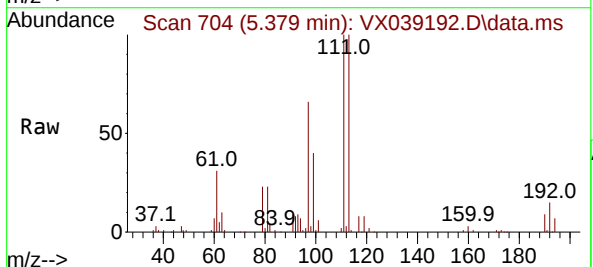
Manual Integrations
APPROVED

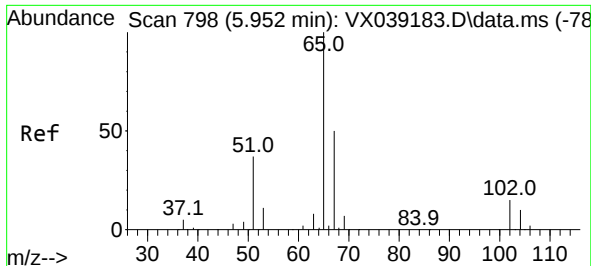
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#32
1,1,1-Trichloroethane
Concen: 19.679 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 97 Resp: 53022
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 49.7 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 51.600 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 65 Resp: 10952

Ion Ratio Lower Upper

65 100

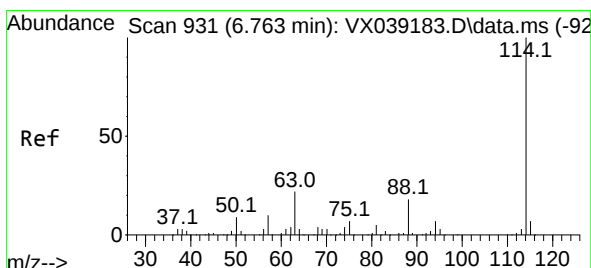
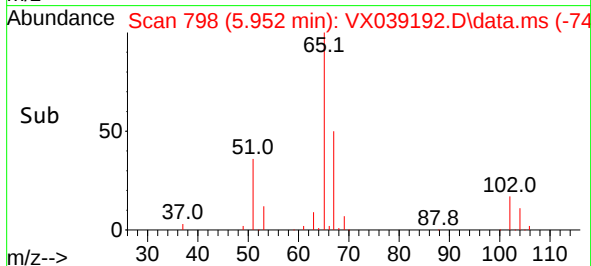
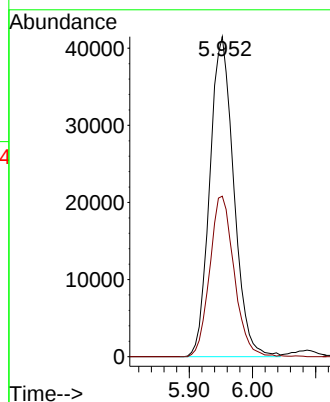
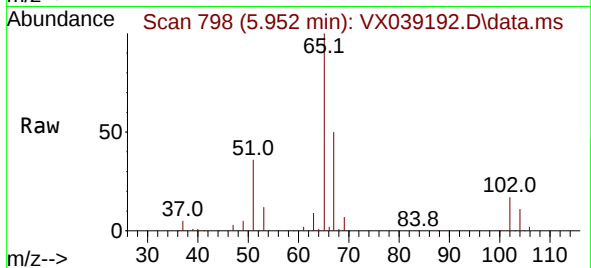
67 51.1 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

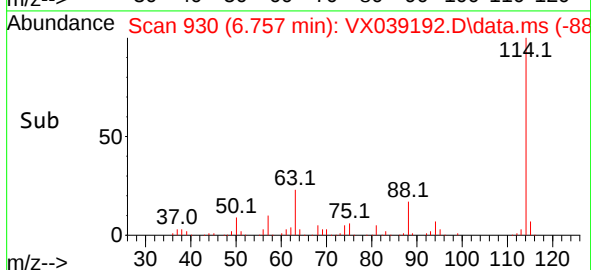
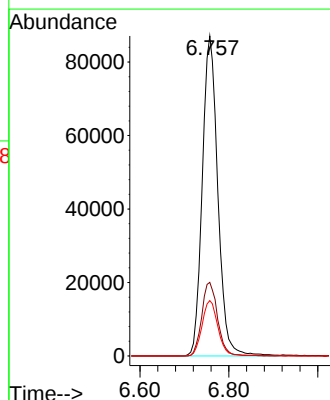
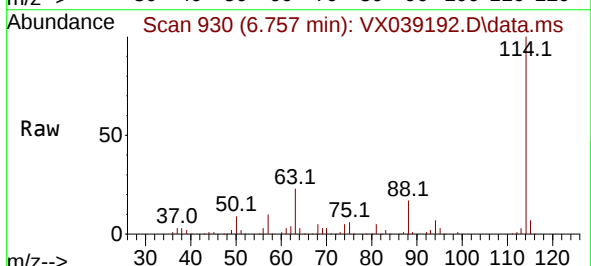
Tgt Ion:114 Resp: 212260

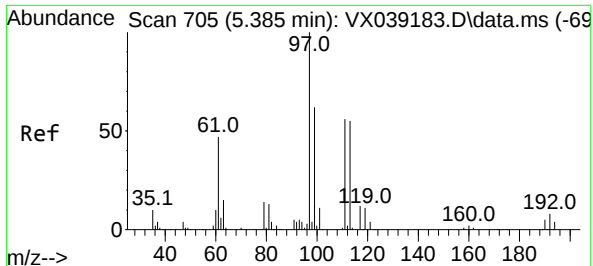
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

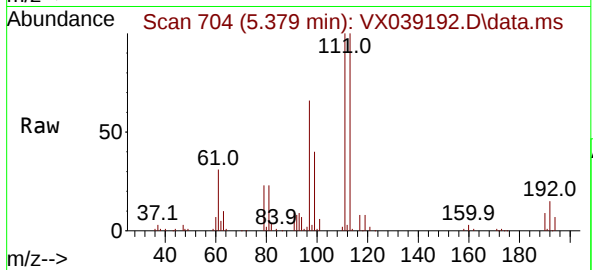
88 17.3 0.0 36.6





#35
Dibromofluoromethane
Concen: 52.173 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

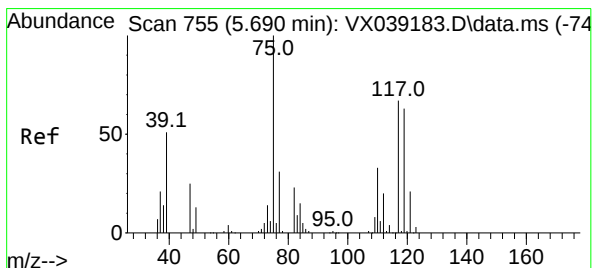
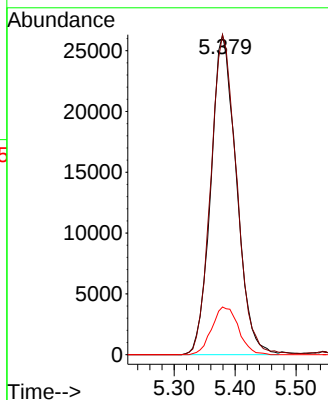
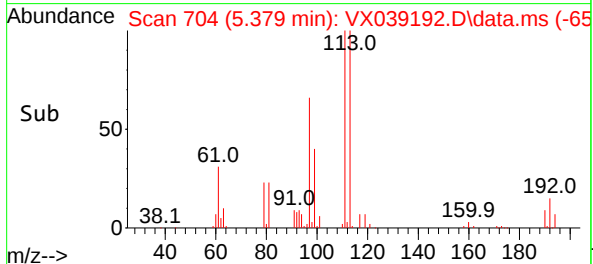
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion:113 Resp: 76500
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 15.6 13.3 19.9

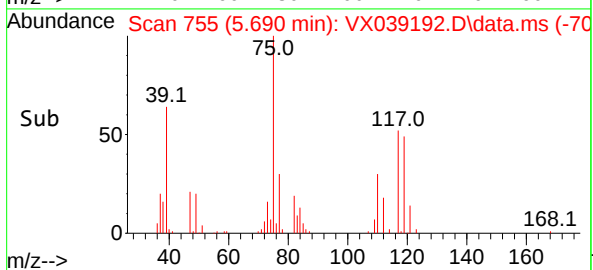
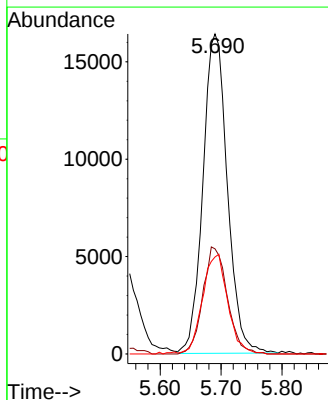
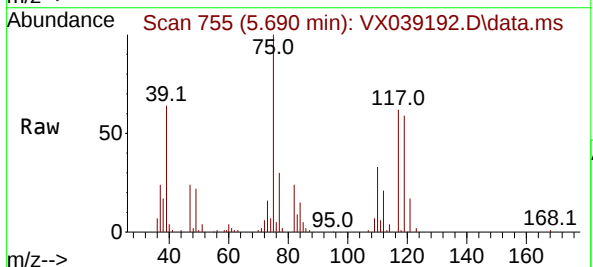
Manual Integrations
APPROVED

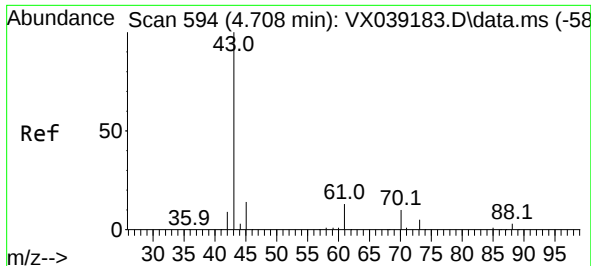
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#36
1,1-Dichloropropene
Concen: 19.774 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

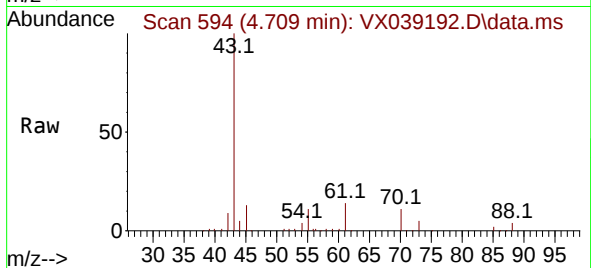
Tgt Ion: 75 Resp: 45757
Ion Ratio Lower Upper
75 100
110 33.6 17.0 50.9
77 32.3 24.7 37.1





#37
Ethyl Acetate
Concen: 20.924 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

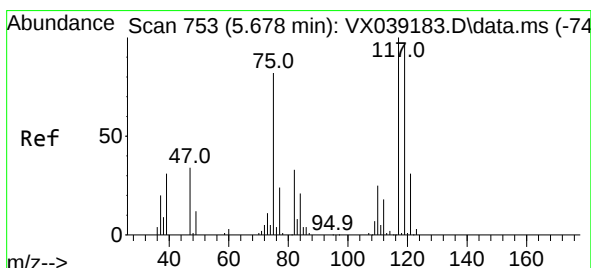
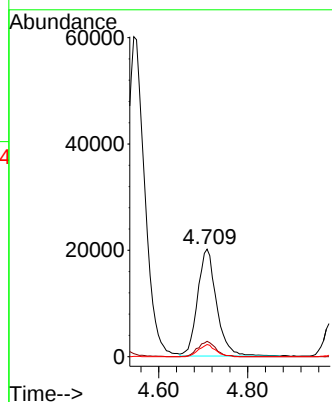
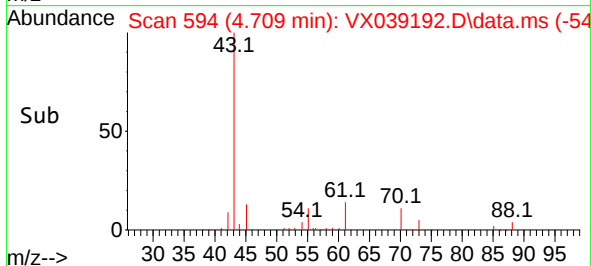
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion: 43 Resp: 59818
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 10.2 8.3 12.5

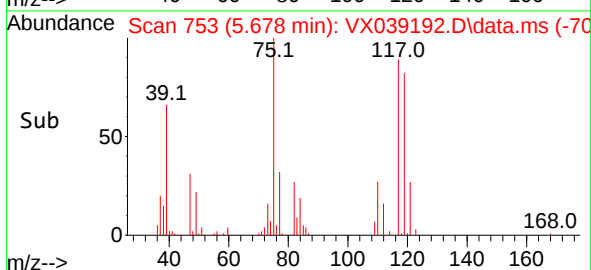
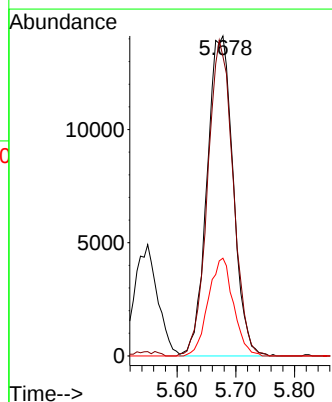
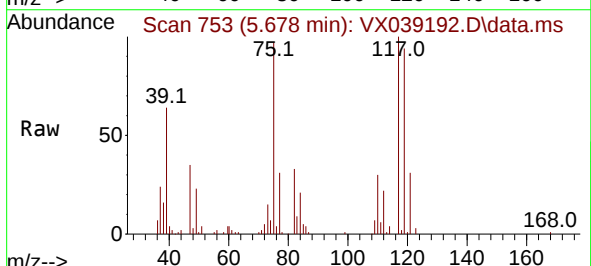
Manual Integrations
APPROVED

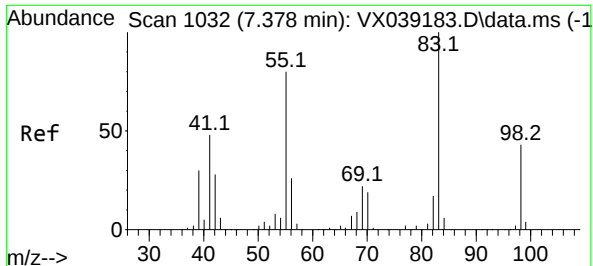
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#38
Carbon Tetrachloride
Concen: 19.770 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion:117 Resp: 43659
Ion Ratio Lower Upper
117 100
119 93.6 78.2 117.2
121 30.6 24.4 36.6





#39

Methylcyclohexane

Concen: 20.636 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

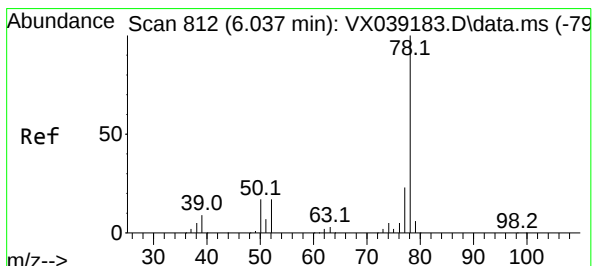
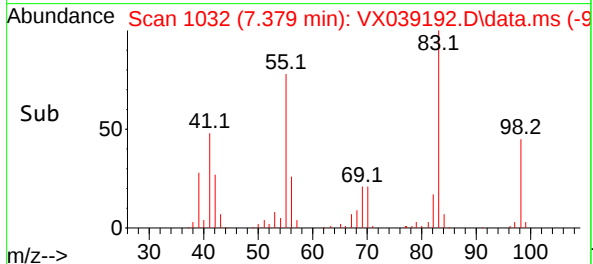
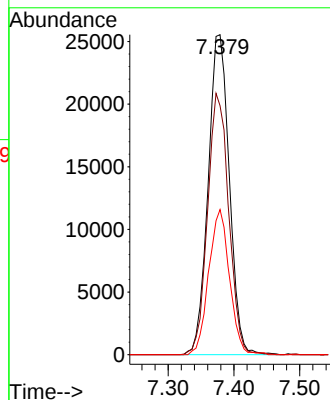
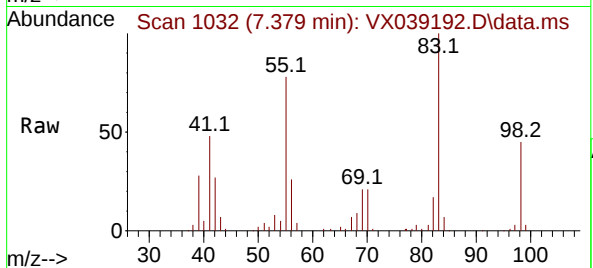
Tgt Ion: 83	Resp: 5735
Ion Ratio	Lower Upper
83 100	
55 77.8	64.6 97.0
98 45.3	36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#40

Benzene

Concen: 20.216 ug/l

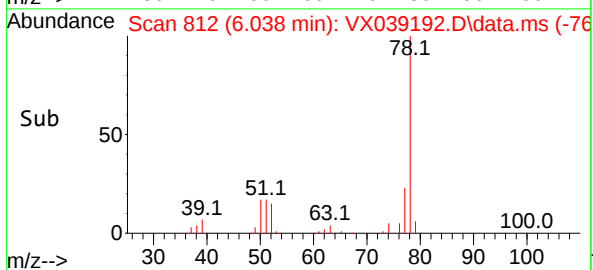
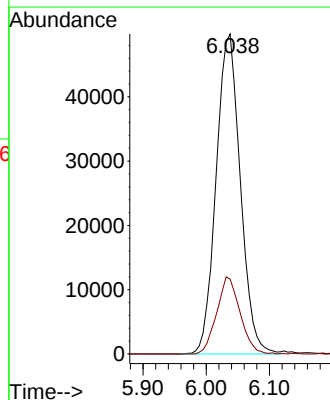
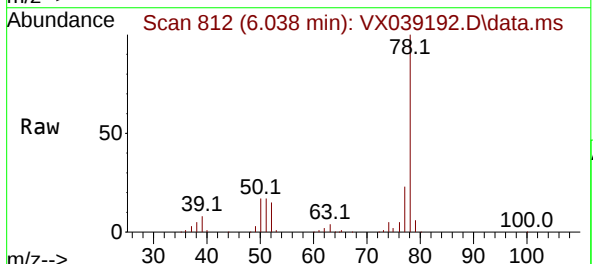
RT: 6.038 min Scan# 812

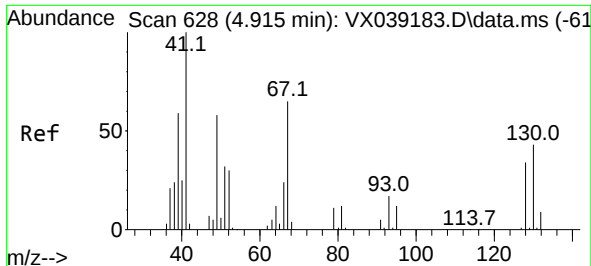
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion: 78	Resp: 132332
Ion Ratio	Lower Upper
78 100	
77 23.4	19.3 28.9





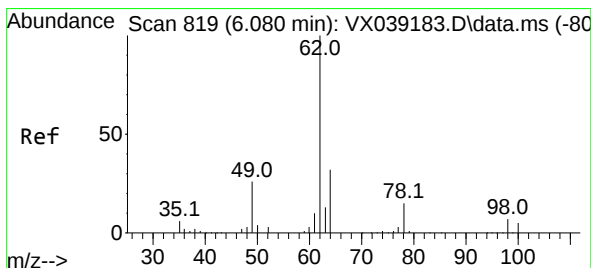
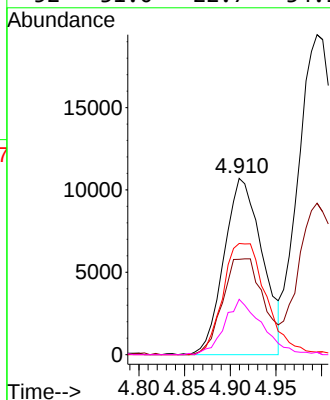
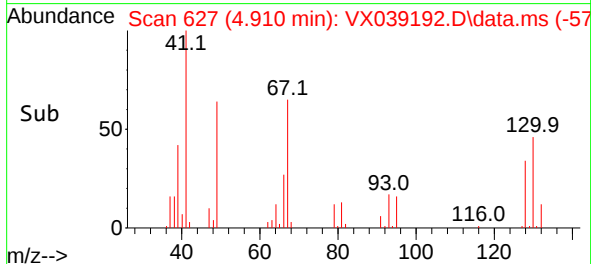
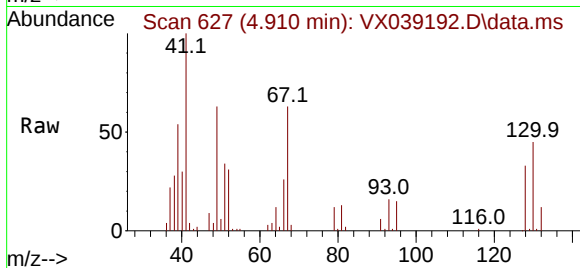
#41
Methacrylonitrile
Concen: 20.492 ug/l
RT: 4.910 min Scan# 612
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion: 41 Resp: 3125
Ion Ratio Lower Upper
41 100
39 58.2 45.2 67.8
67 71.9 52.6 78.8
52 31.0 22.7 34.1

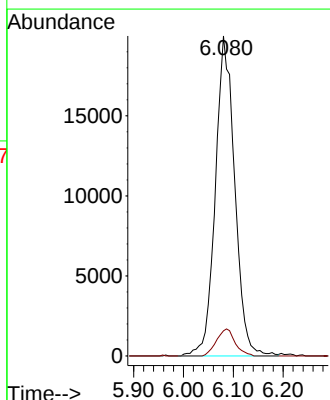
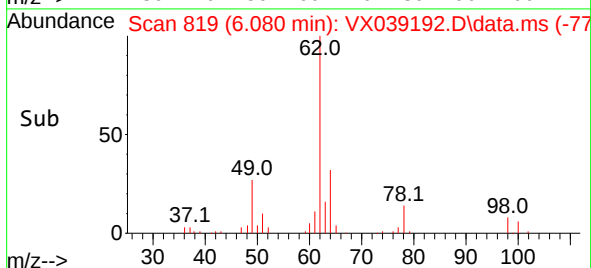
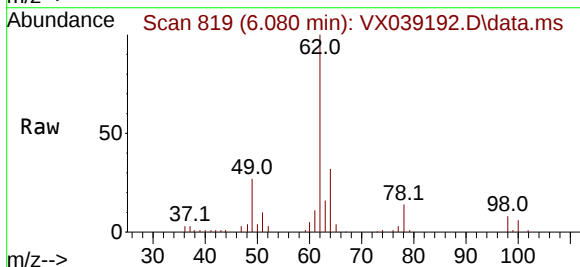
Manual Integrations
APPROVED

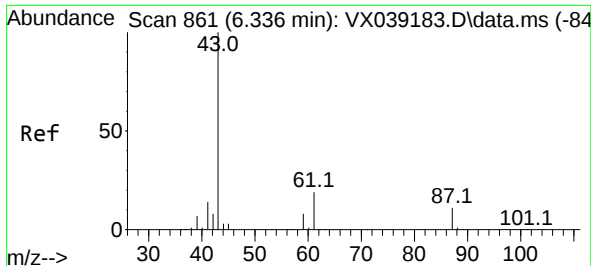
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#42
1,2-Dichloroethane
Concen: 20.387 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 62 Resp: 54020
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.0





#43

Isopropyl Acetate

Concen: 20.442 ug/l

RT: 6.330 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

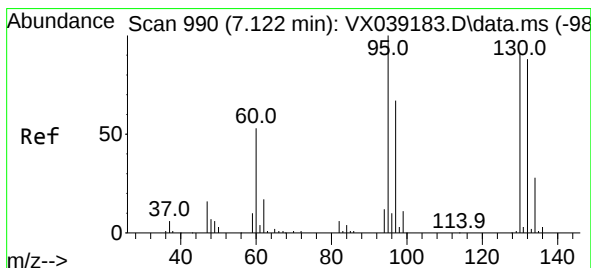
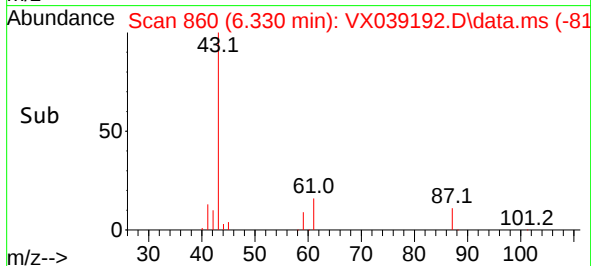
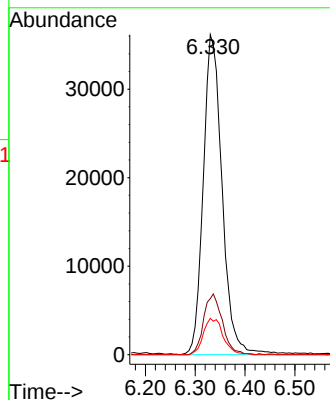
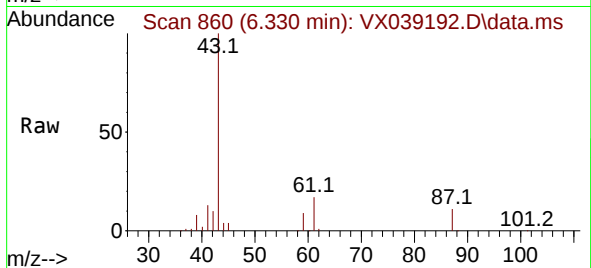
Tgt Ion: 43	Resp: 9503
Ion Ratio	Lower Upper
43 100	
61 18.9	15.2 22.8
87 11.9	9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#44

Trichloroethene

Concen: 19.591 ug/l

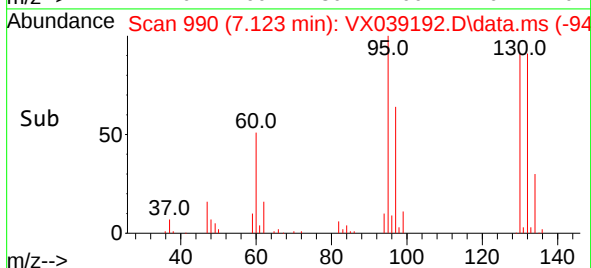
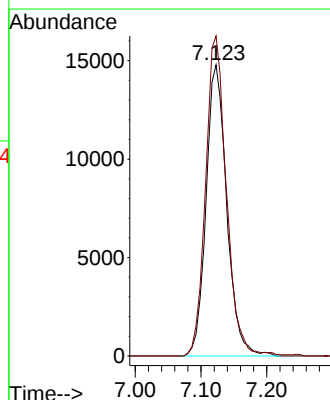
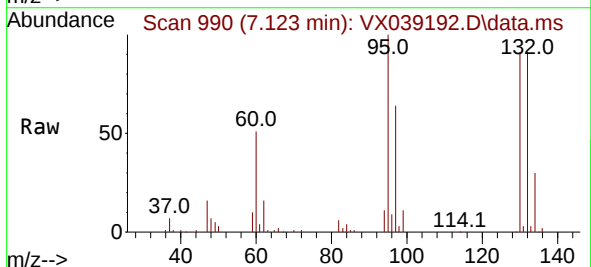
RT: 7.123 min Scan# 990

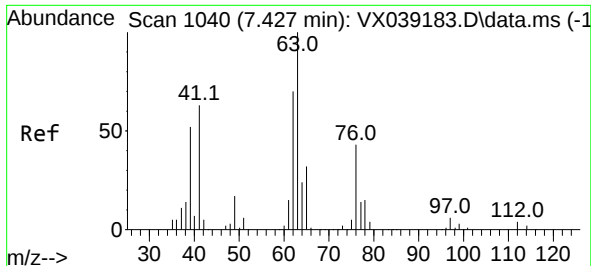
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

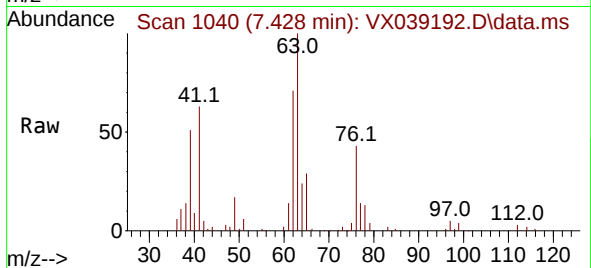
Tgt Ion:130	Resp: 32360
Ion Ratio	Lower Upper
130 100	
95 110.0	0.0 204.4





#45
1,2-Dichloropropane
Concen: 20.439 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

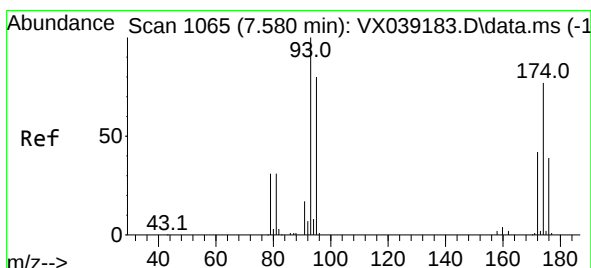
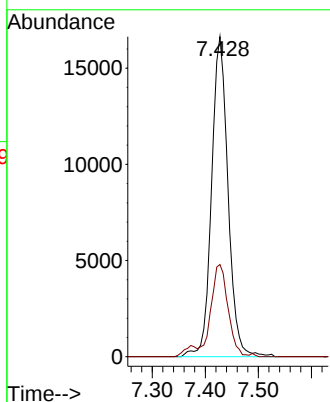
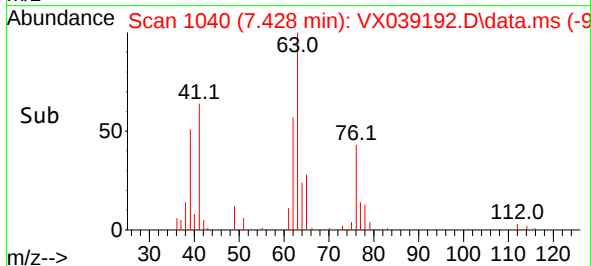
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion: 63 Resp: 3590
Ion Ratio Lower Upper
63 100
65 28.8 24.3 36.5

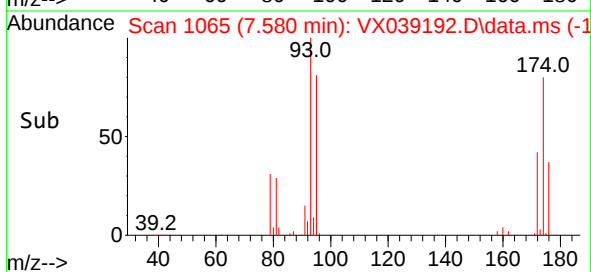
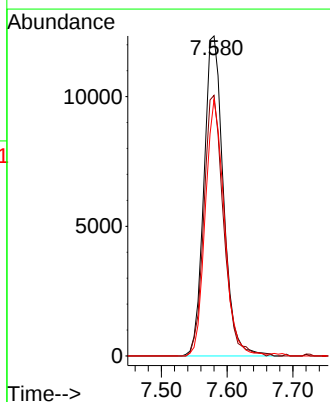
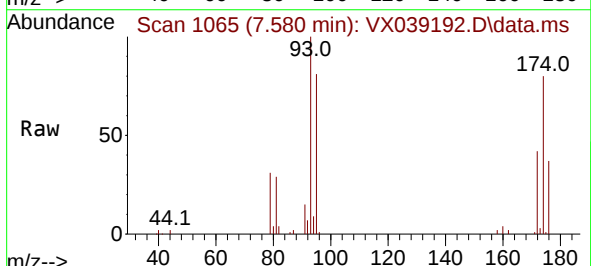
Manual Integrations
APPROVED

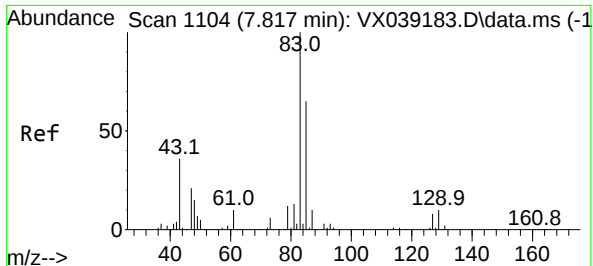
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#46
Dibromomethane
Concen: 20.606 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 93 Resp: 25447
Ion Ratio Lower Upper
93 100
95 82.3 66.6 100.0
174 78.4 69.4 104.0





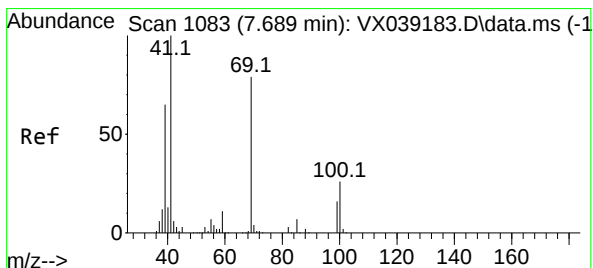
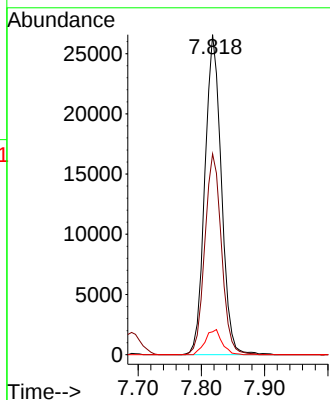
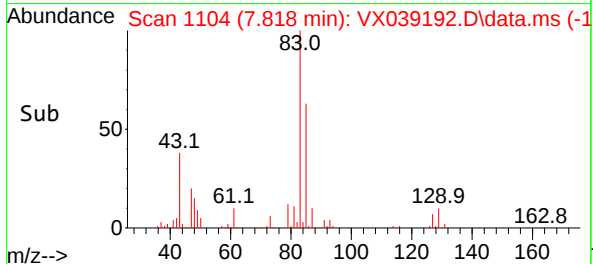
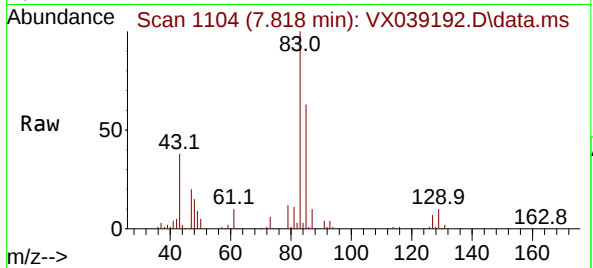
#47
Bromodichloromethane
Concen: 20.399 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion: 83 Resp: 48160
Ion Ratio Lower Upper
83 100
85 62.8 49.8 74.6
127 7.2 7.1 10.7

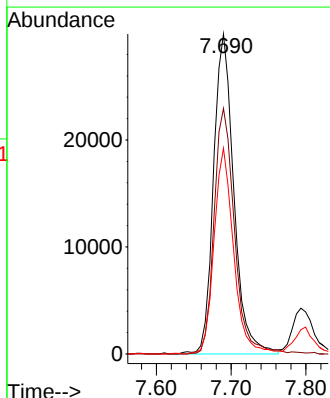
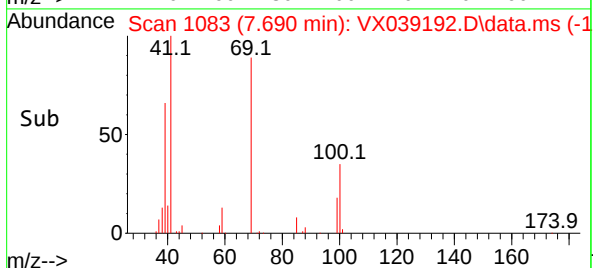
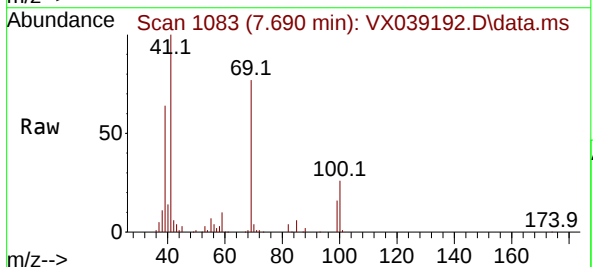
Manual Integrations
APPROVED

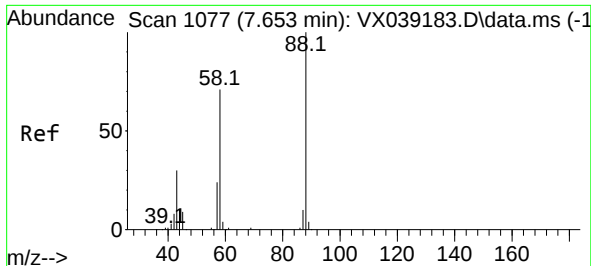
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#48
Methyl methacrylate
Concen: 20.847 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 41 Resp: 56660
Ion Ratio Lower Upper
41 100
69 77.2 59.2 88.8
39 61.6 47.7 71.5





#49

1,4-Dioxane

Concen: 460.078 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

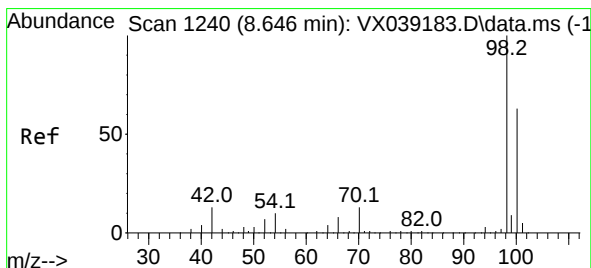
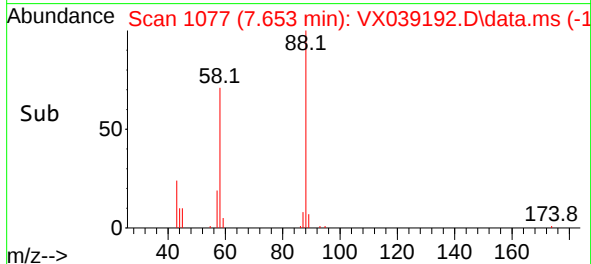
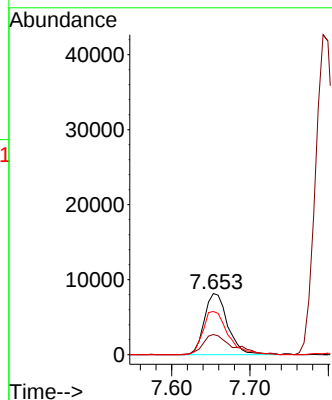
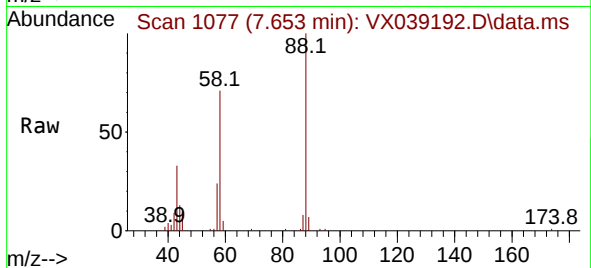
Tgt Ion: 88 Resp: 1685
 Ion Ratio Lower Upper
 88 100
 43 42.0 0.0 0.0
 58 75.8 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#50

Toluene-d8

Concen: 52.246 ug/l

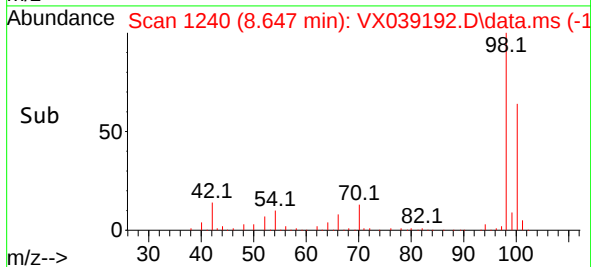
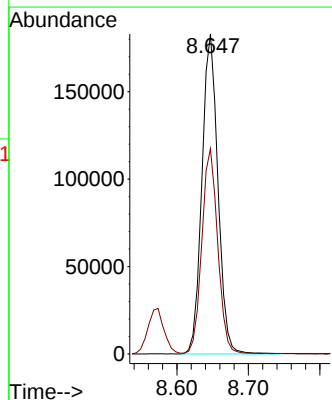
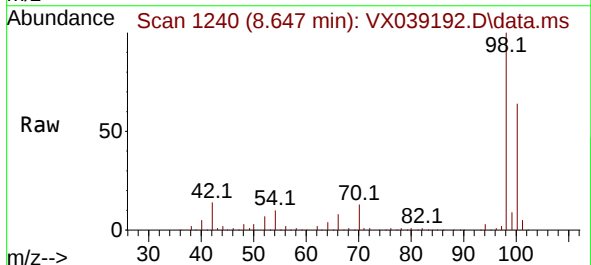
RT: 8.647 min Scan# 1240

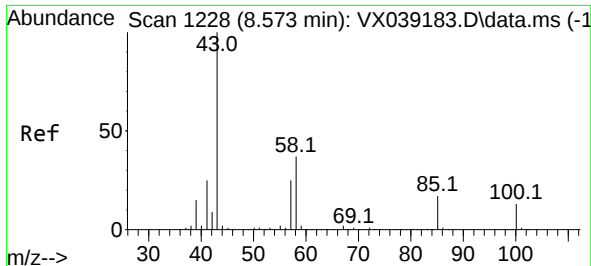
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion: 98 Resp: 284430
 Ion Ratio Lower Upper
 98 100
 100 64.0 53.1 79.7





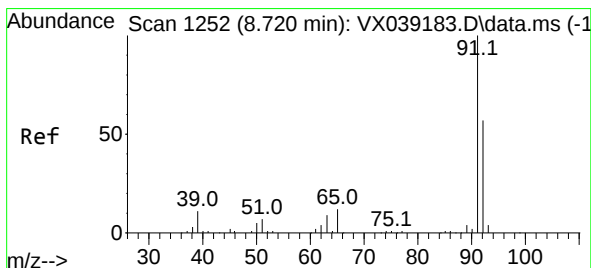
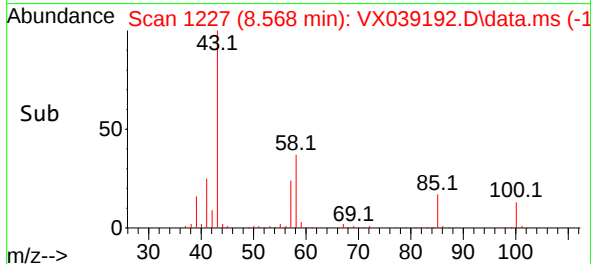
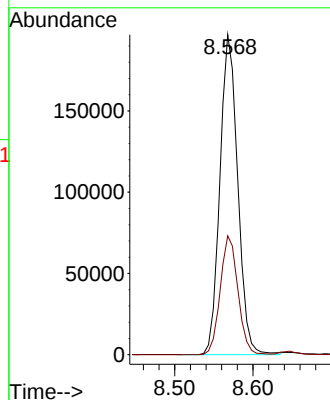
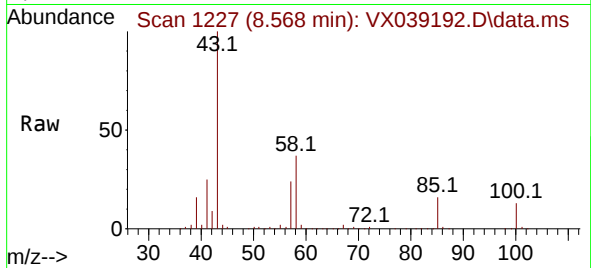
#51
4-Methyl-2-Pentanone
Concen: 105.170 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion: 43 Resp: 311510
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6

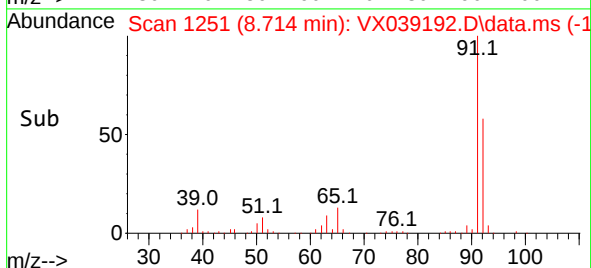
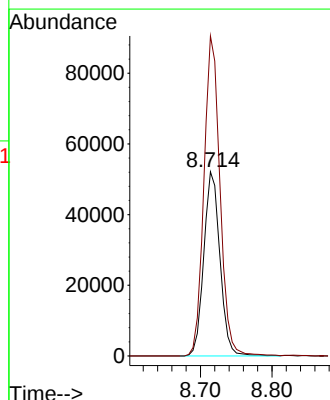
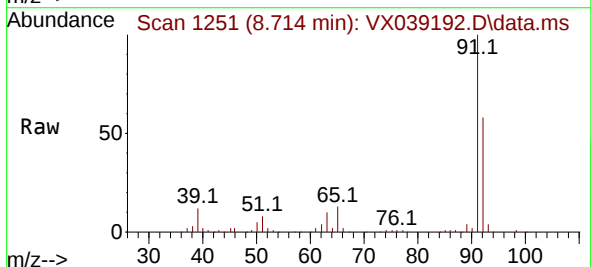
Manual Integrations
APPROVED

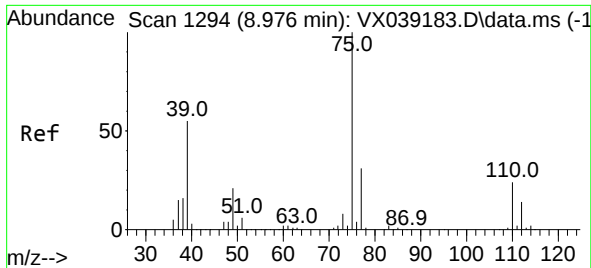
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#52
Toluene
Concen: 20.710 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 92 Resp: 81823
Ion Ratio Lower Upper
92 100
91 172.8 134.2 201.2





#53
t-1,3-Dichloropropene
Concen: 20.315 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

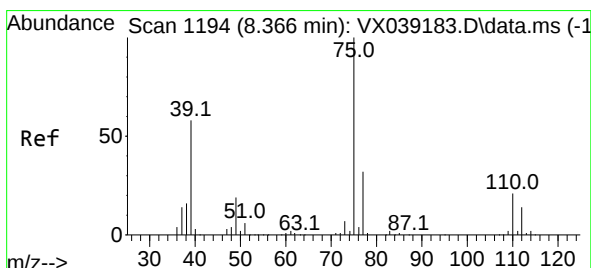
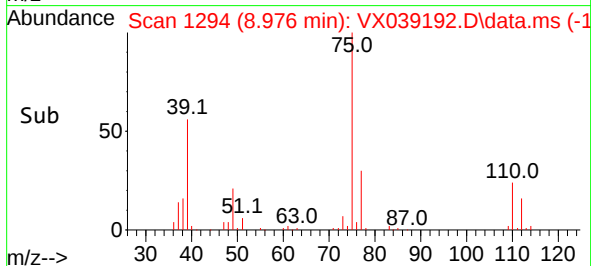
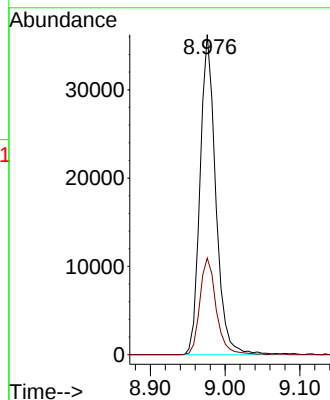
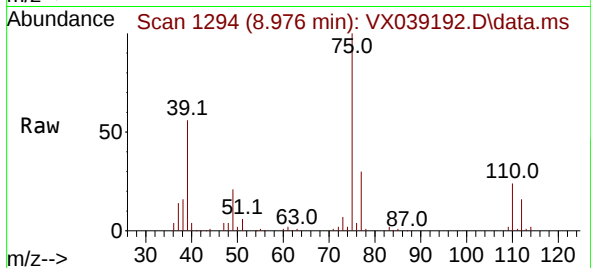
VX1213WBSD01

Tgt Ion: 75 Resp: 52810
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5

Manual Integrations

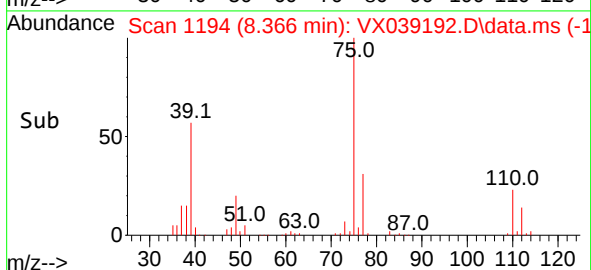
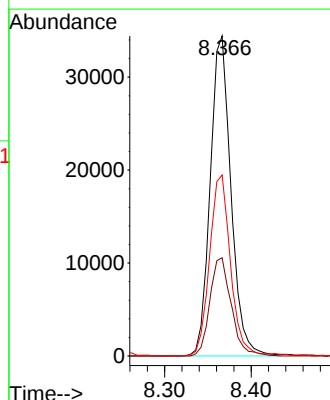
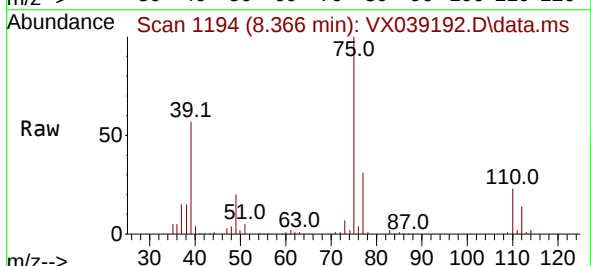
APPROVED

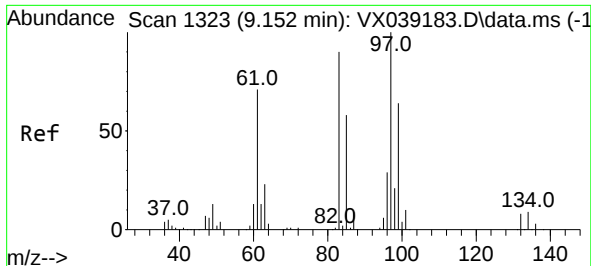
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#54
cis-1,3-Dichloropropene
Concen: 20.467 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

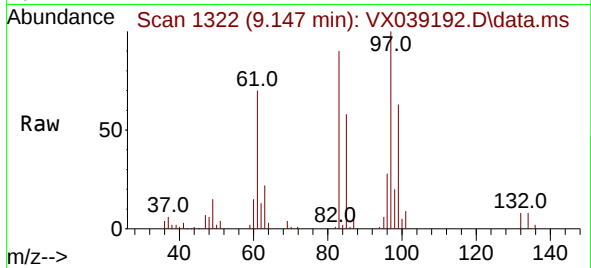
Tgt Ion: 75 Resp: 57247
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9
39 56.5 46.7 70.1





#55
1,1,2-Trichloroethane
Concen: 20.254 ug/l
RT: 9.147 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

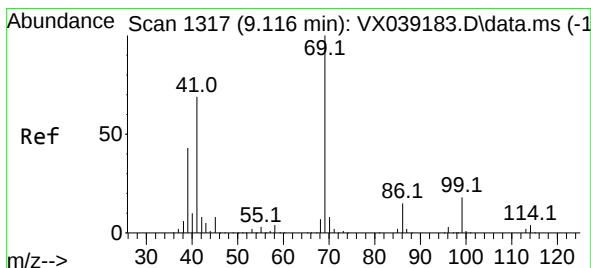
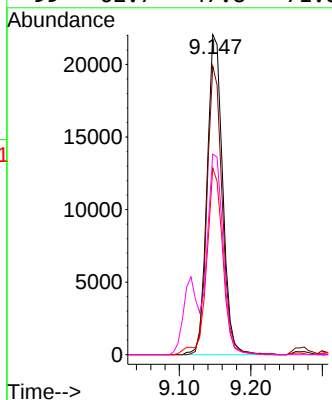
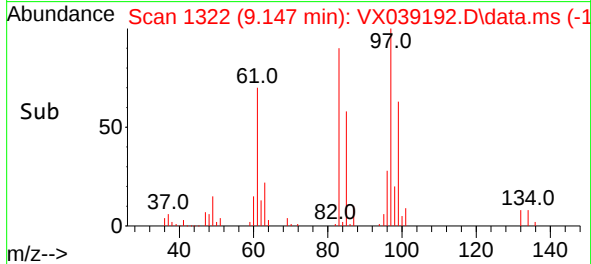
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.2	65.8	98.8
85	58.3	41.6	62.4
99	62.7	47.8	71.8

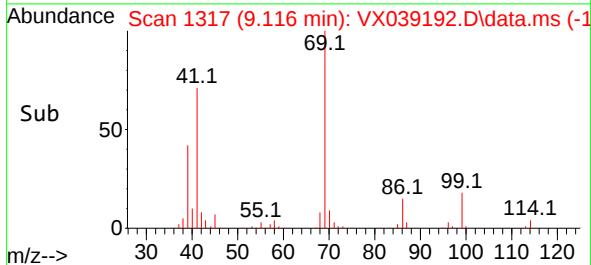
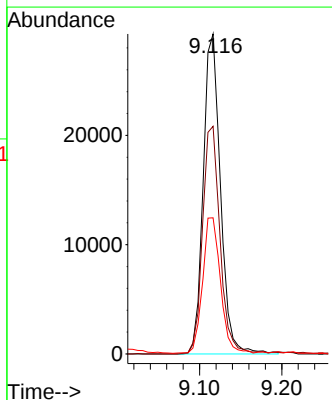
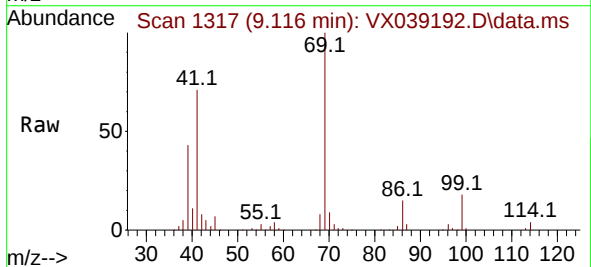
Manual Integrations
APPROVED

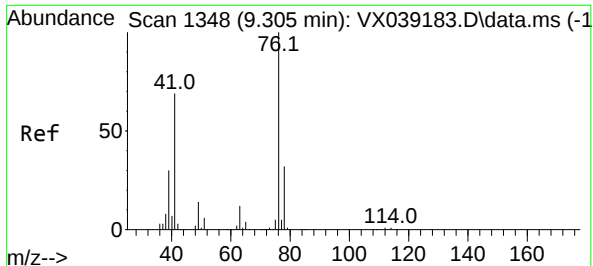
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#56
Ethyl methacrylate
Concen: 21.193 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.5	56.8	85.2
39	43.8	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.567 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 76 Resp: 5864

Ion Ratio Lower Upper

76 100

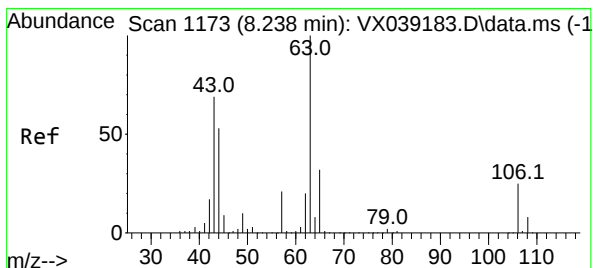
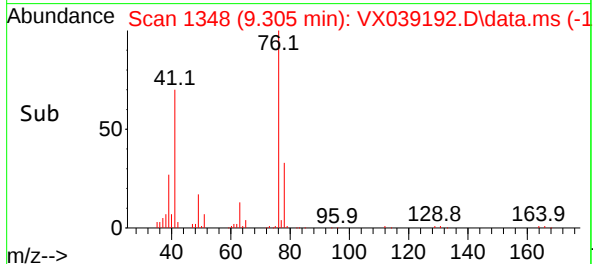
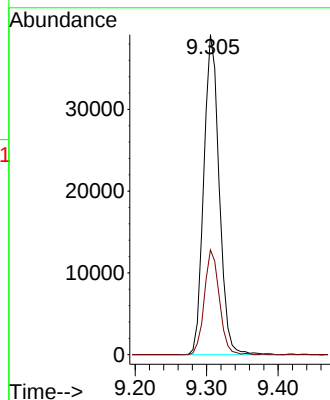
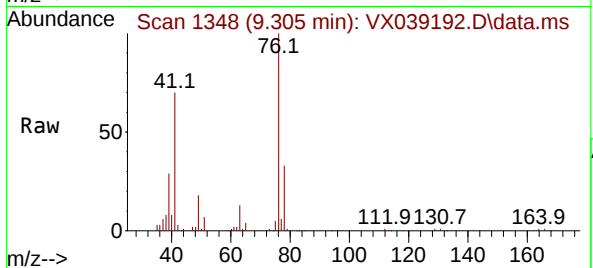
78 31.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#58

2-Chloroethyl Vinyl ether

Concen: 112.339 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX039192.D

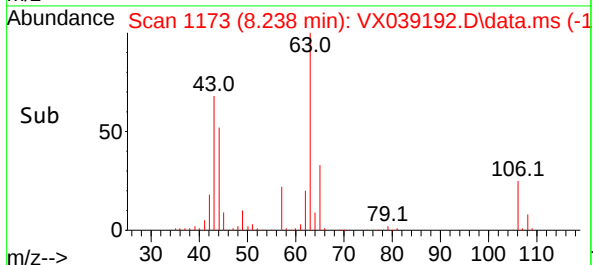
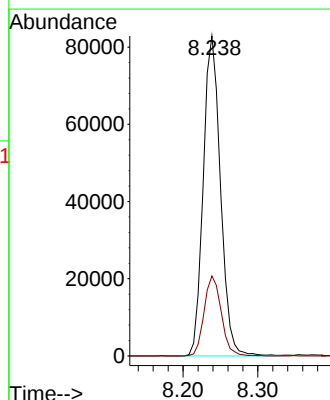
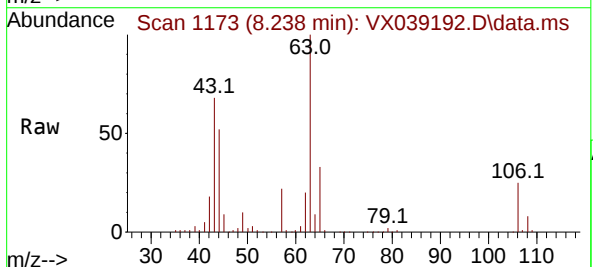
Acq: 13 Dec 2023 16:25

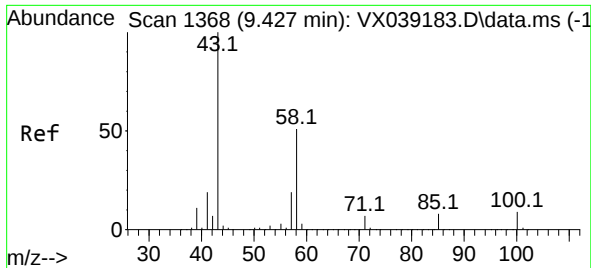
Tgt Ion: 63 Resp: 132820

Ion Ratio Lower Upper

63 100

106 24.9 22.5 33.7





#59

2-Hexanone

Concen: 98.877 ug/l

RT: 9.427 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 43 Resp: 252764

Ion Ratio Lower Upper

43 100

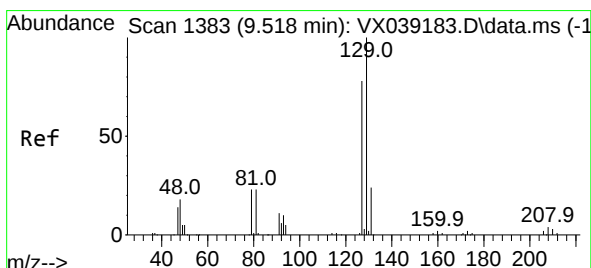
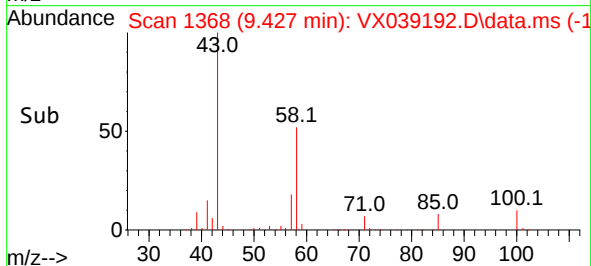
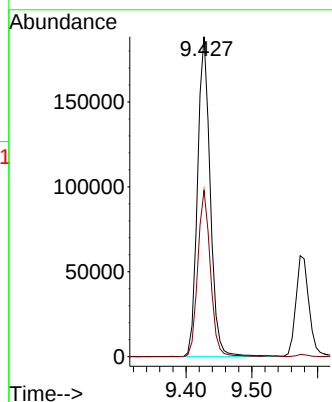
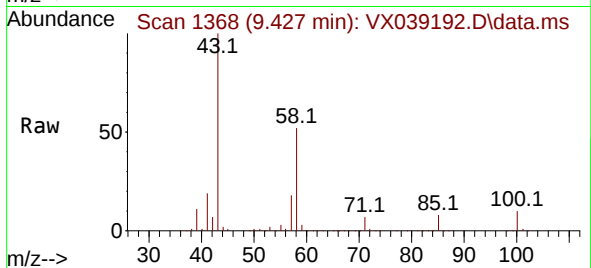
58 51.7 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#60

Dibromochloromethane

Concen: 19.915 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX039192.D

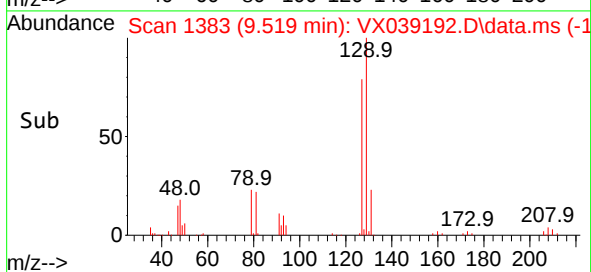
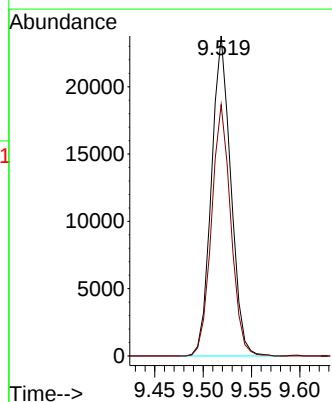
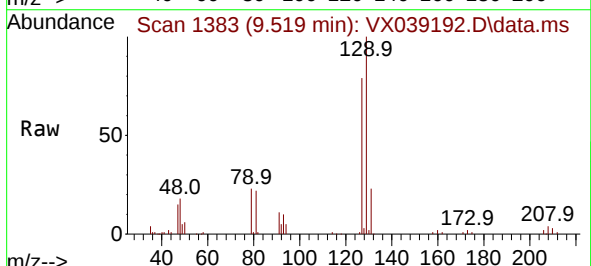
Acq: 13 Dec 2023 16:25

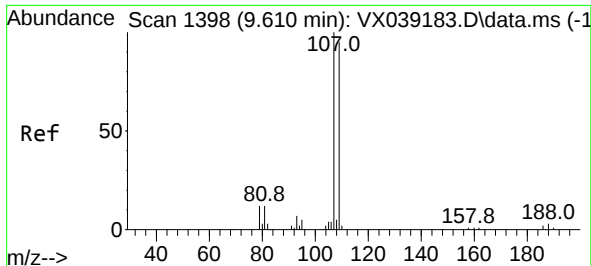
Tgt Ion:129 Resp: 33220

Ion Ratio Lower Upper

129 100

127 77.9 38.8 116.4





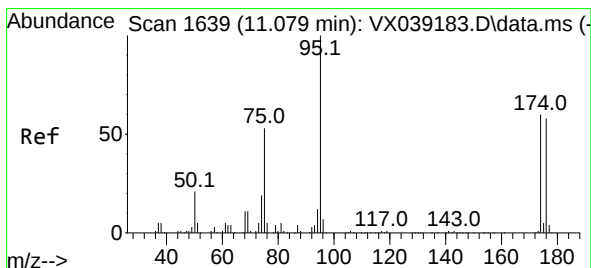
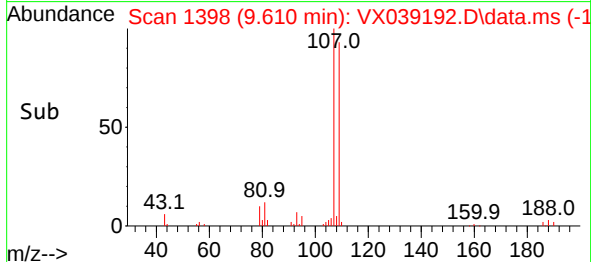
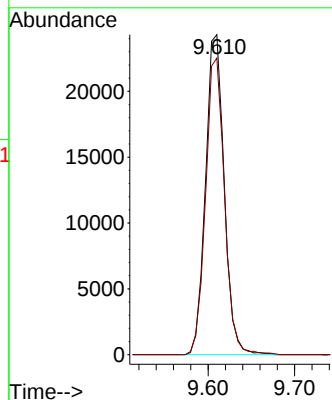
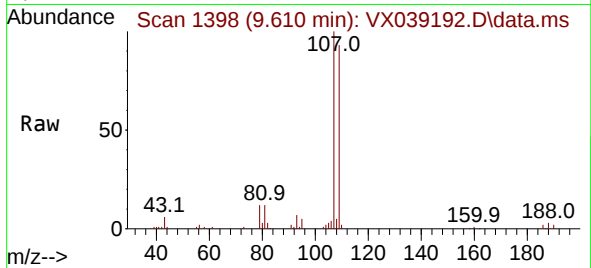
#61
1,2-Dibromoethane
Concen: 20.691 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:107 Resp: 3643
Ion Ratio Lower Upper
107 100
109 94.0 75.2 112.8

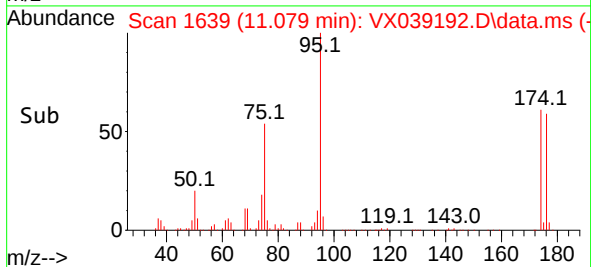
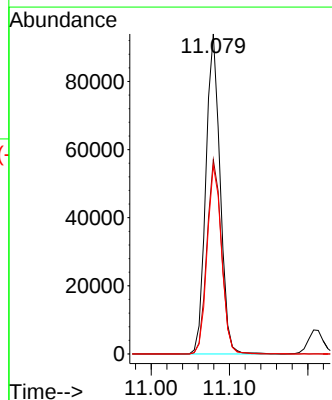
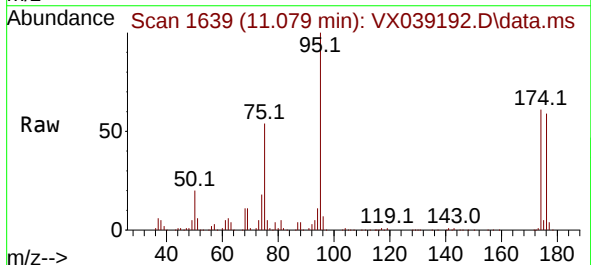
Manual Integrations
APPROVED

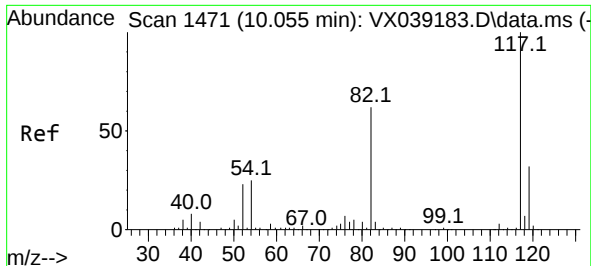
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#62
4-Bromofluorobenzene
Concen: 52.700 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

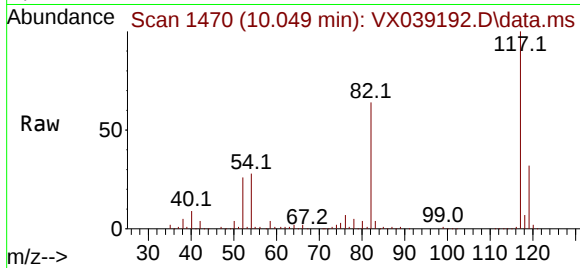
Tgt Ion: 95 Resp: 118374
Ion Ratio Lower Upper
95 100
174 62.0 0.0 135.6
176 59.3 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

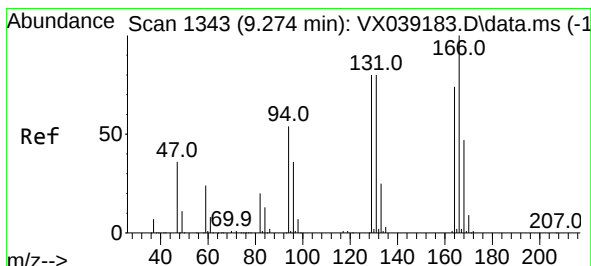
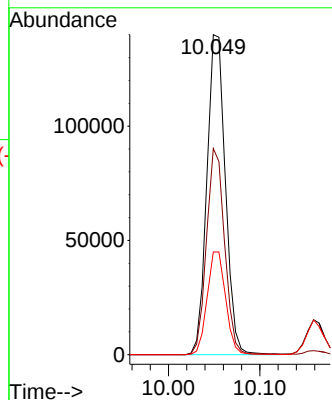
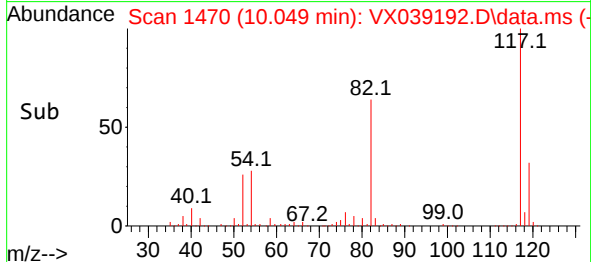
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01



Tgt Ion:117 Resp: 19653
Ion Ratio Lower Upper
117 100
82 64.5 46.2 69.4
119 32.1 25.5 38.3

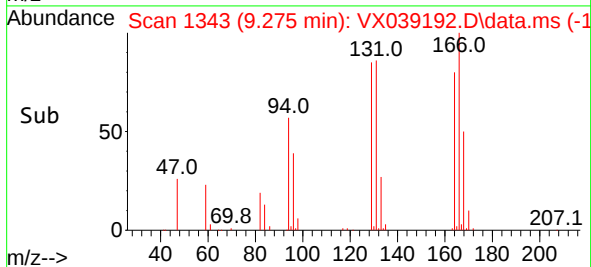
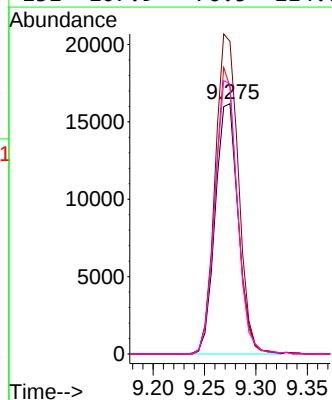
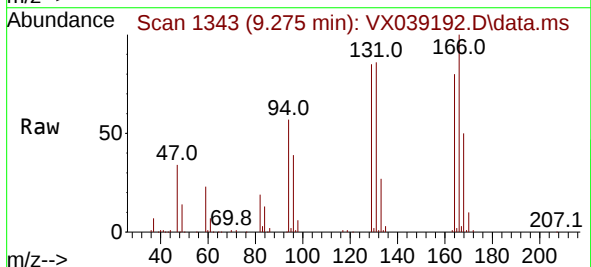
Manual Integrations
APPROVED

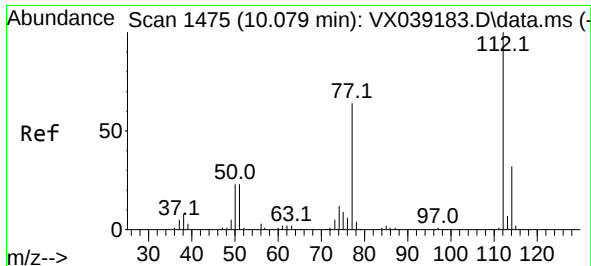
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#64
Tetrachloroethene
Concen: 19.645 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion:164 Resp: 25229
Ion Ratio Lower Upper
164 100
166 124.9 102.7 154.1
129 106.7 80.4 120.6
131 107.9 76.5 114.7





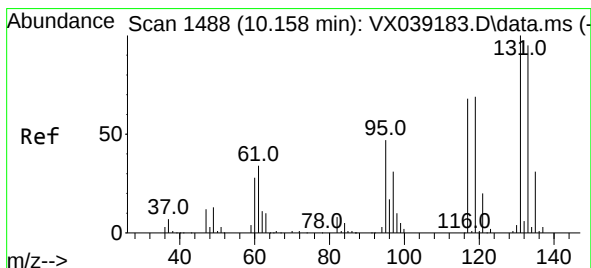
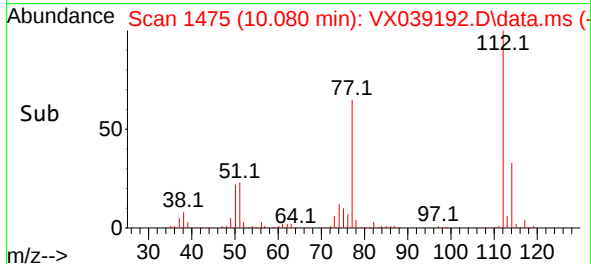
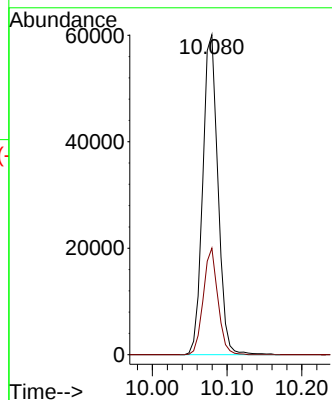
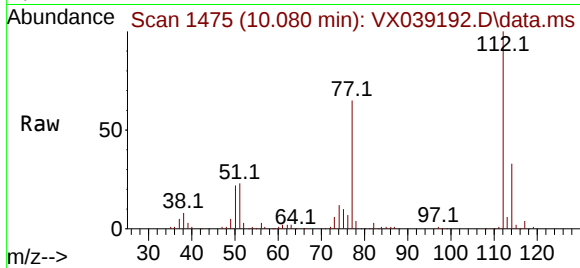
#65
Chlorobenzene
Concen: 19.802 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:112 Resp: 8494
Ion Ratio Lower Upper
112 100
114 33.3 25.7 38.5

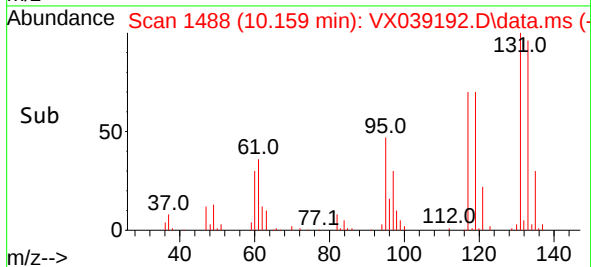
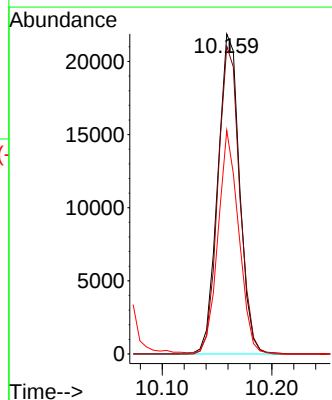
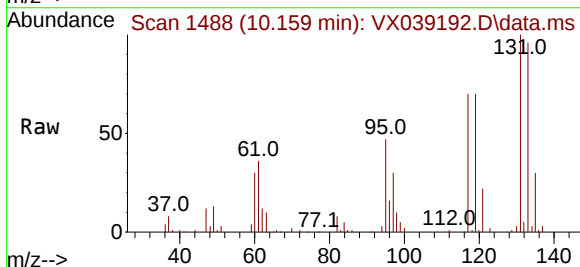
Manual Integrations
APPROVED

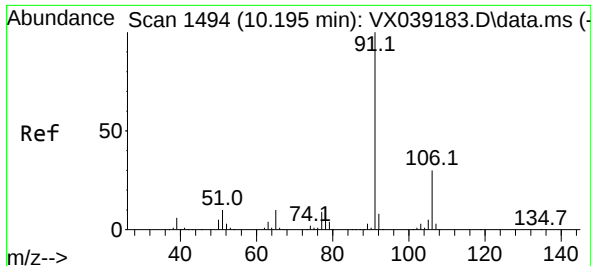
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 19.942 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion:131 Resp: 30217
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.4
119 66.5 32.2 96.6





#67

Ethyl Benzene

Concen: 19.983 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 91 Resp: 15956

Ion Ratio Lower Upper

91 100

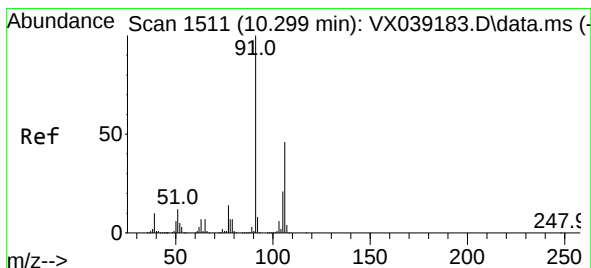
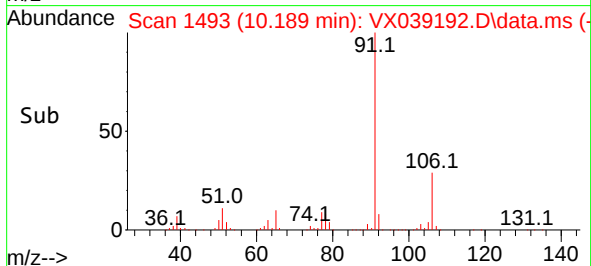
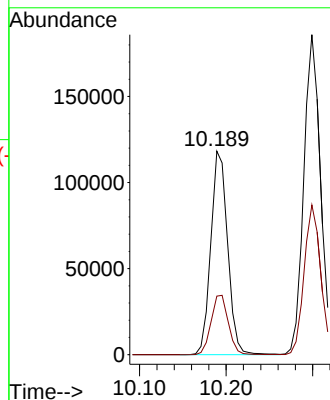
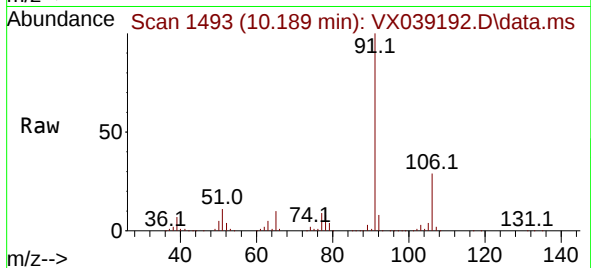
106 28.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#68

m/p-Xylenes

Concen: 41.052 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039192.D

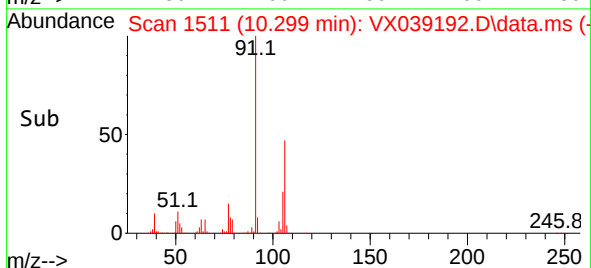
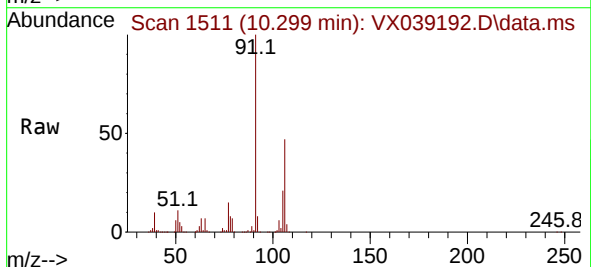
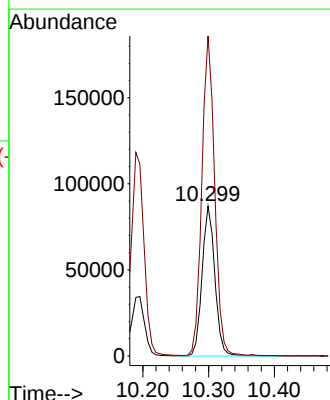
Acq: 13 Dec 2023 16:25

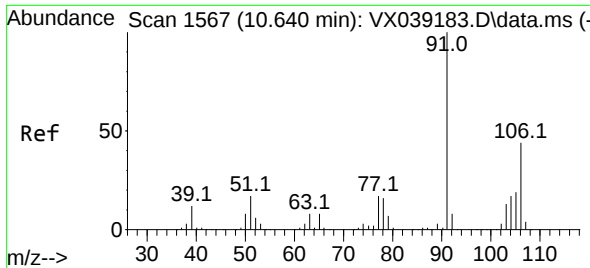
Tgt Ion:106 Resp: 117530

Ion Ratio Lower Upper

106 100

91 213.1 165.5 248.3





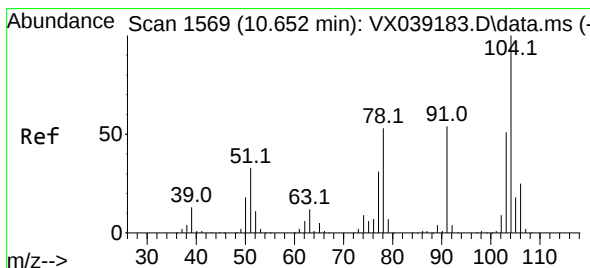
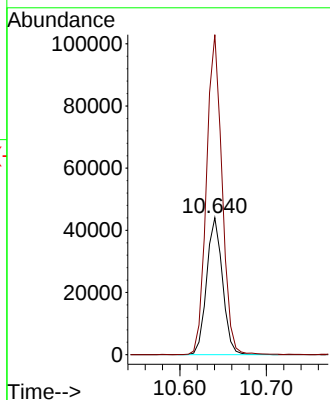
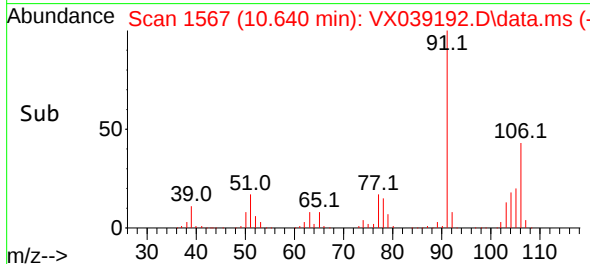
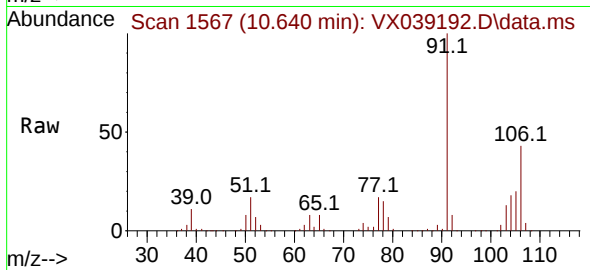
#69
o-Xylene
Concen: 20.265 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:106 Resp: 56090
Ion Ratio Lower Upper
106 100
91 230.3 108.9 326.8

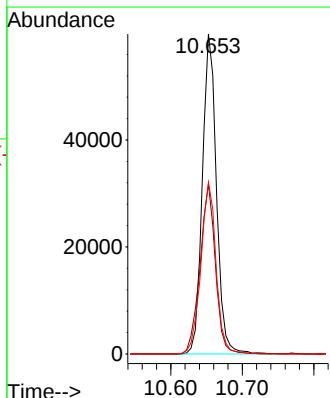
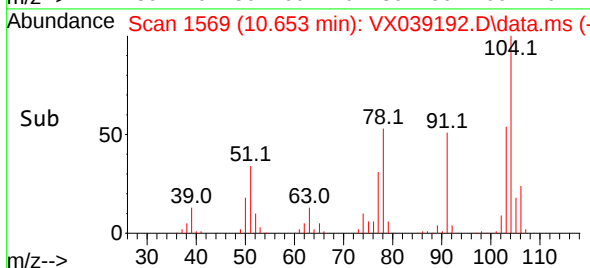
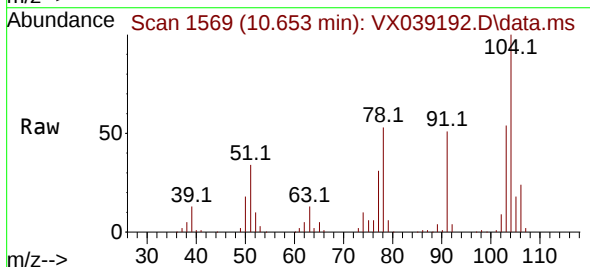
Manual Integrations
APPROVED

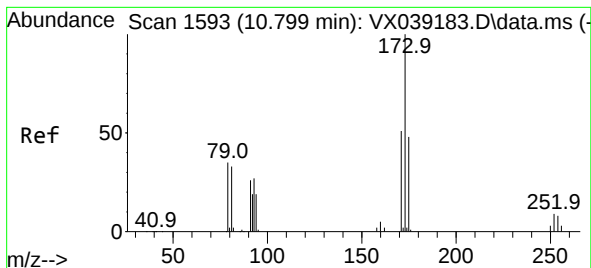
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#70
Styrene
Concen: 20.235 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion:104 Resp: 81888
Ion Ratio Lower Upper
104 100
78 58.0 43.6 65.4
103 58.1 43.6 65.4





#71

Bromoform

Concen: 20.240 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

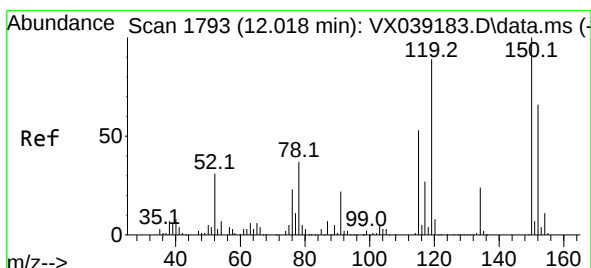
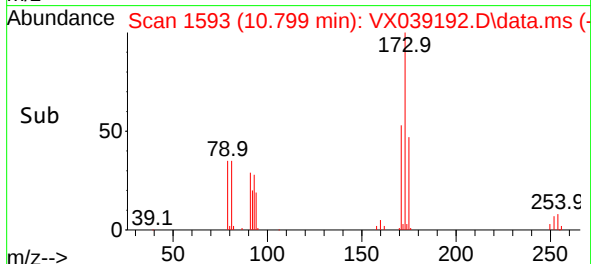
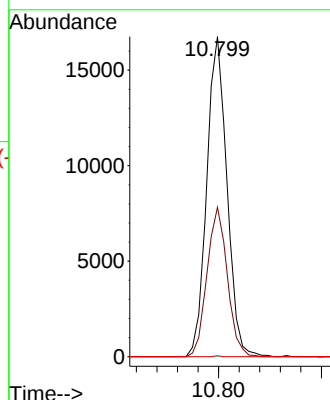
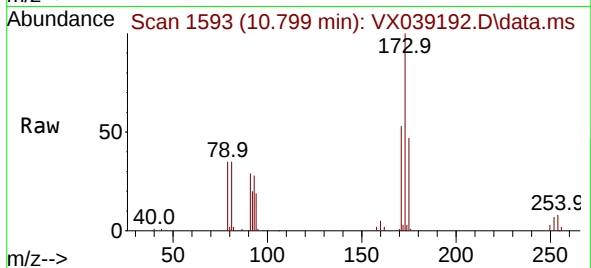
Tgt Ion:173 Resp: 22790
 Ion Ratio Lower Upper
 173 100
 175 47.0 24.1 72.4
 254 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

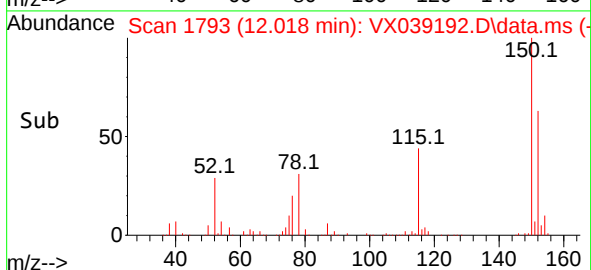
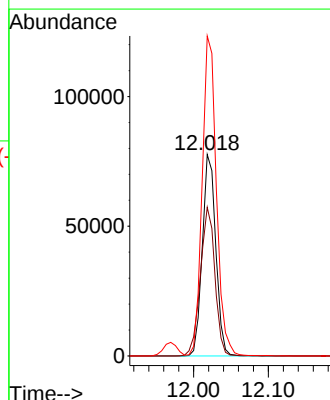
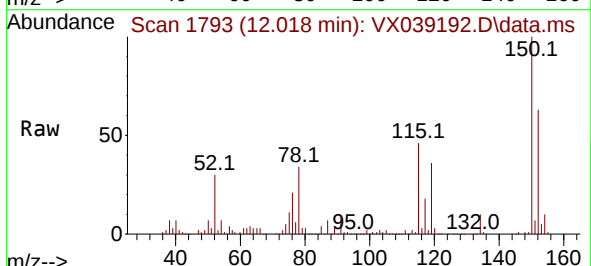
RT: 12.018 min Scan# 1793

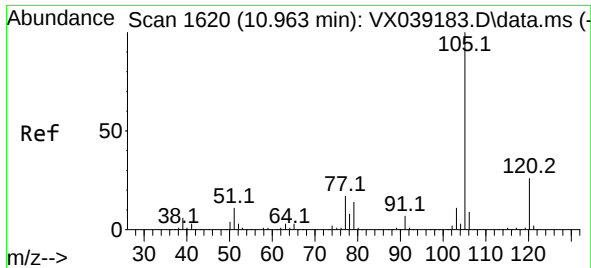
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion:152 Resp: 97131
 Ion Ratio Lower Upper
 152 100
 115 79.6 43.3 129.9
 150 167.9 0.0 345.0





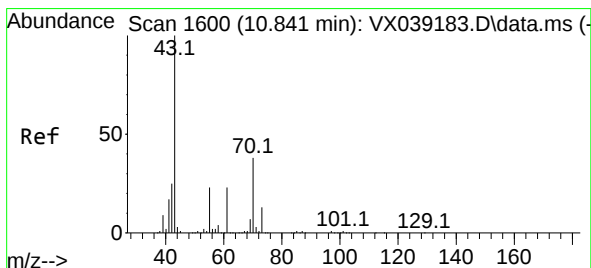
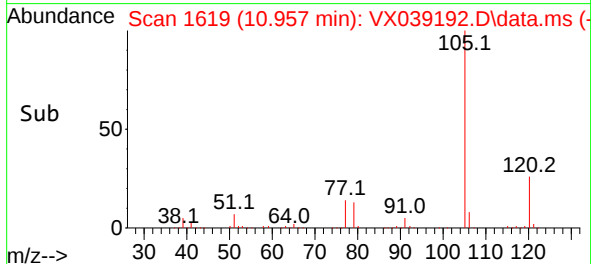
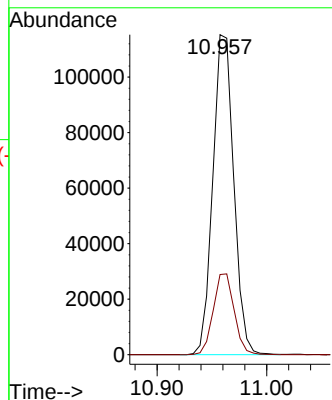
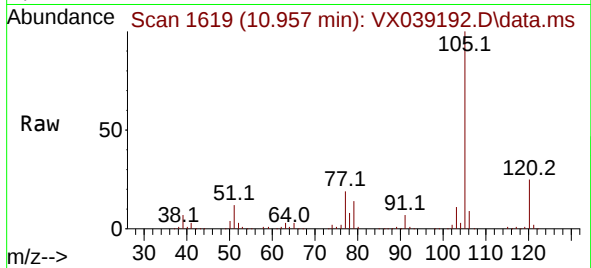
#73
Isopropylbenzene
Concen: 20.451 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:105 Resp: 153258
Ion Ratio Lower Upper
105 100
120 25.2 12.9 38.6

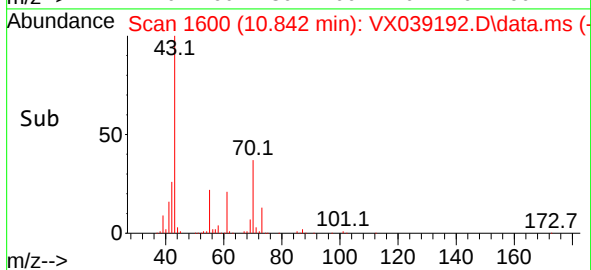
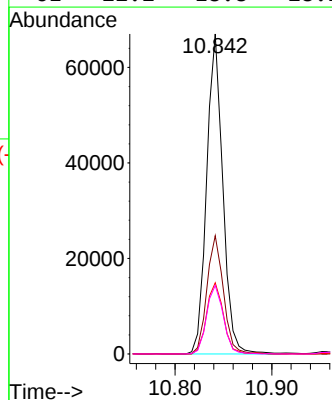
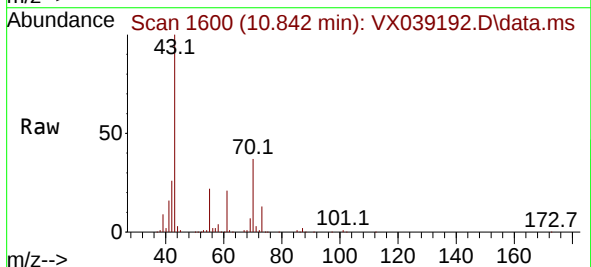
Manual Integrations
APPROVED

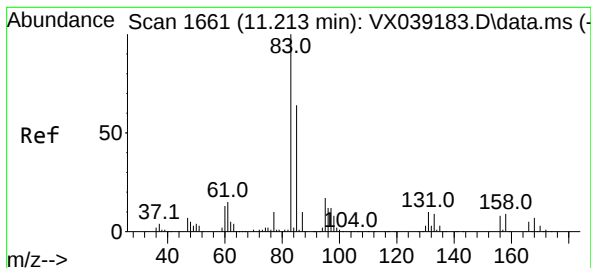
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#74
N-ethyl acetate
Concen: 20.592 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 43 Resp: 78077
Ion Ratio Lower Upper
43 100
70 37.8 32.9 49.3
55 23.2 19.3 28.9
61 22.2 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

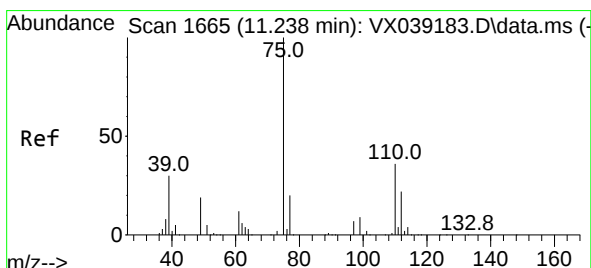
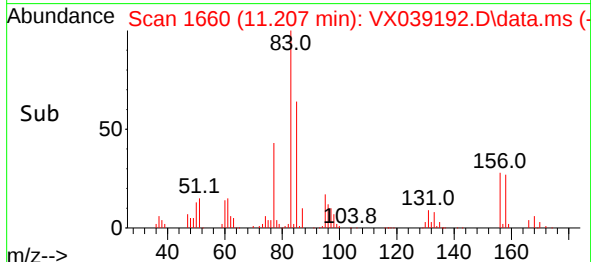
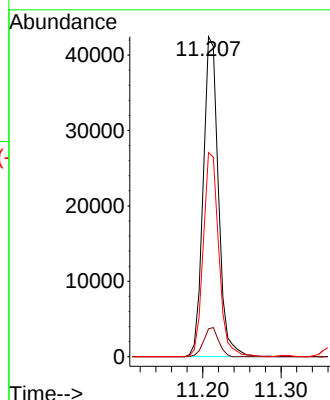
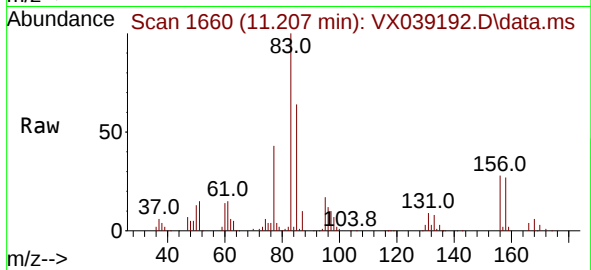
Tgt Ion: 83	Resp: 57194
Ion Ratio	Lower Upper
83 100	
131 9.0	5.3 15.8
85 65.1	32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#76

1,2,3-Trichloropropane

Concen: 20.274 ug/l m

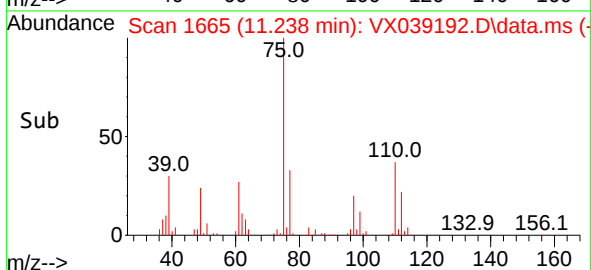
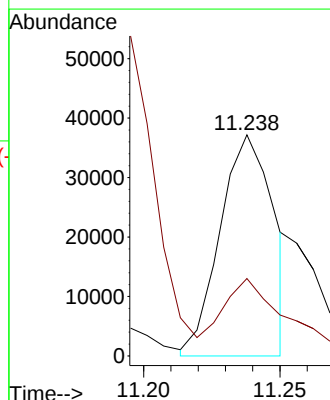
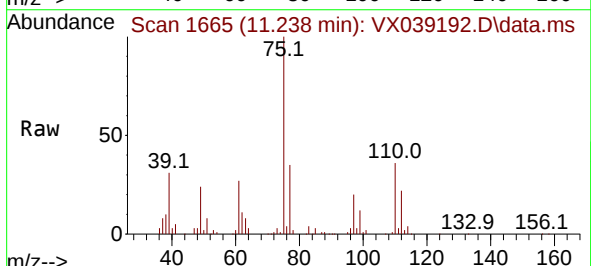
RT: 11.238 min Scan# 1665

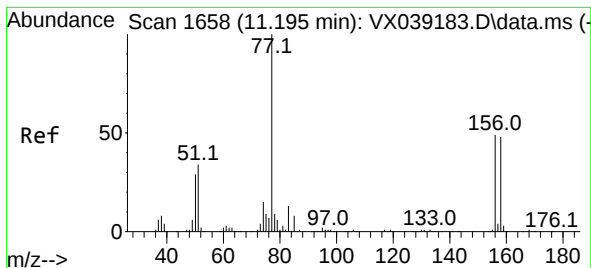
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion: 75	Resp: 50947
Ion Ratio	Lower Upper
75 100	
77 42.4	19.1 57.5





#77

Bromobenzene

Concen: 20.231 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

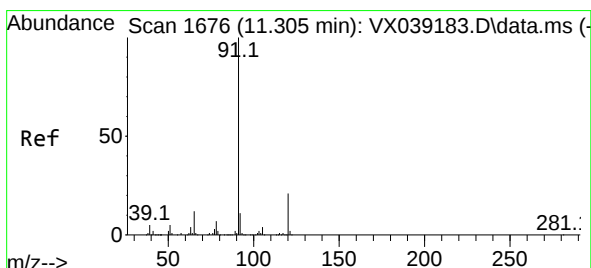
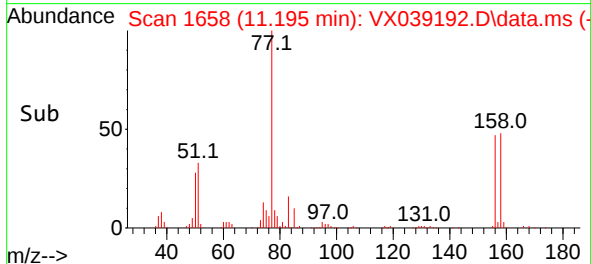
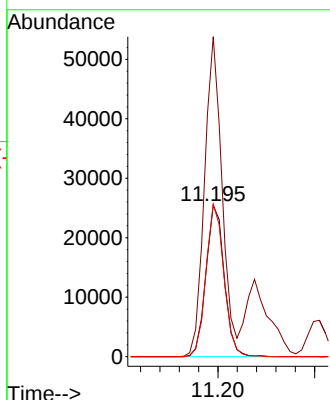
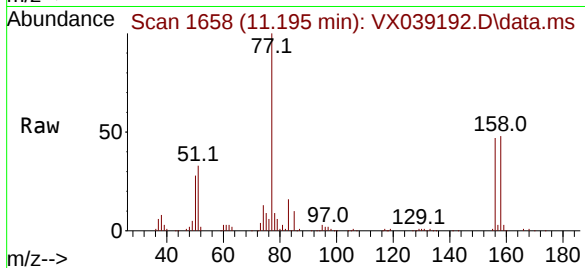
Tgt Ion:	156	Resp:	3352
Ion Ratio	Lower	Upper	
156	100		
77	202.5	88.4	265.3
158	98.4	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#78

n-propylbenzene

Concen: 20.604 ug/l

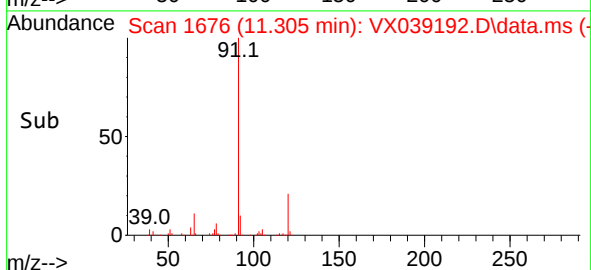
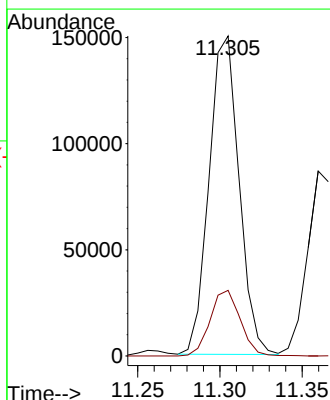
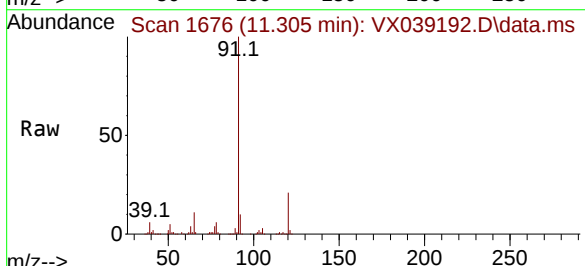
RT: 11.305 min Scan# 1676

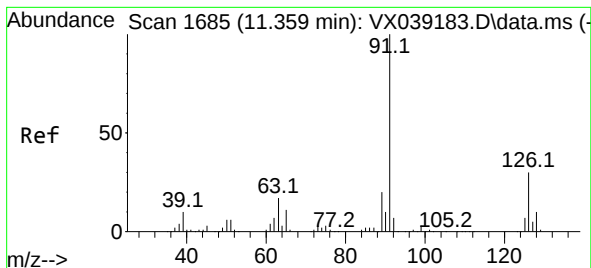
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion:	91	Resp:	190241
Ion Ratio	Lower	Upper	
91	100		
120	20.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.994 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 91 Resp: 11166

Ion Ratio Lower Upper

91 100

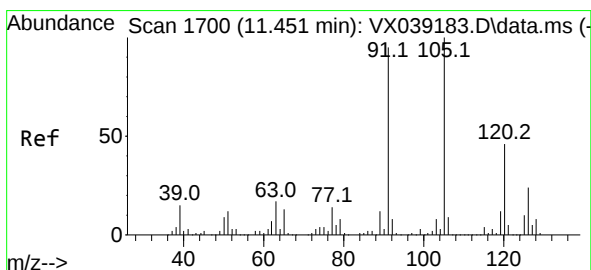
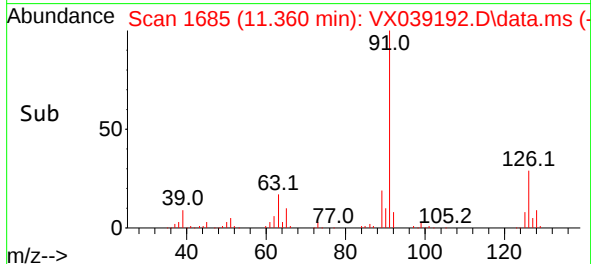
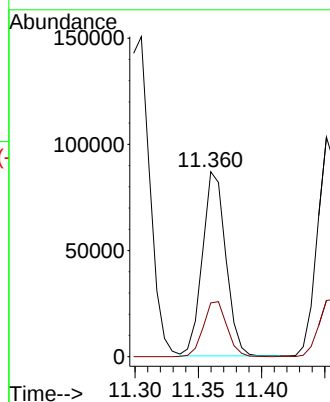
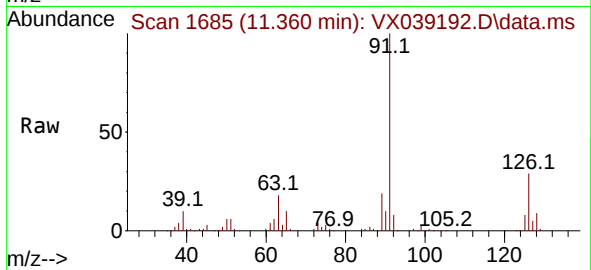
126 30.3 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#80

1,3,5-Trimethylbenzene

Concen: 20.639 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039192.D

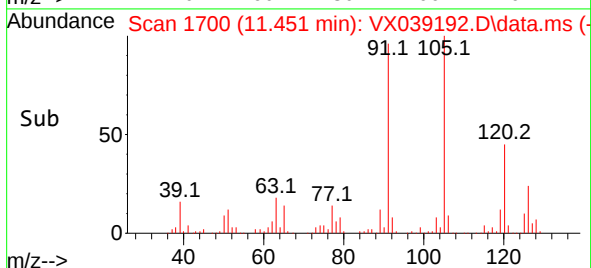
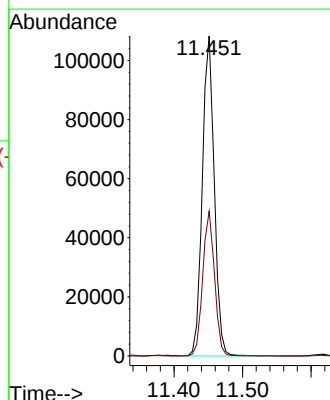
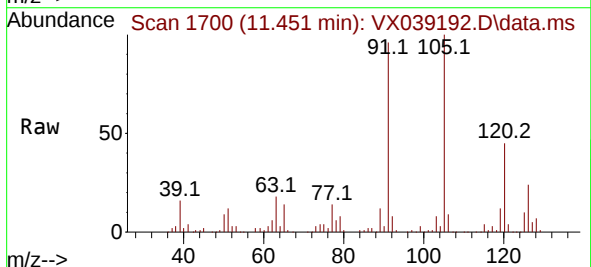
Acq: 13 Dec 2023 16:25

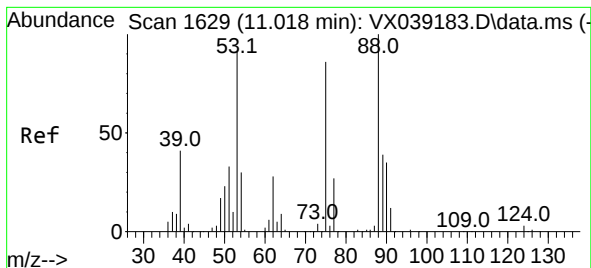
Tgt Ion:105 Resp: 131763

Ion Ratio Lower Upper

105 100

120 44.7 24.1 72.3





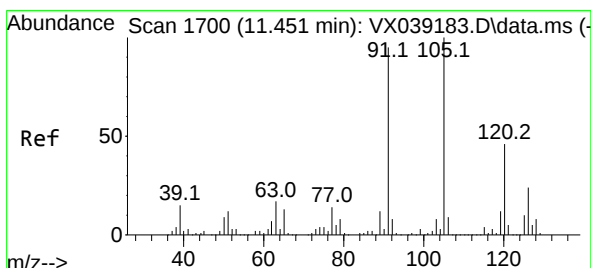
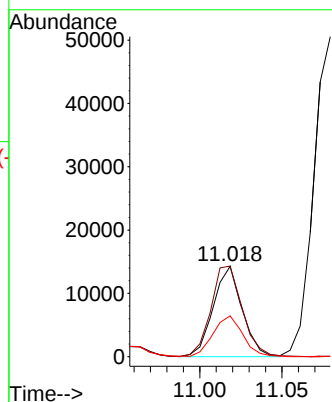
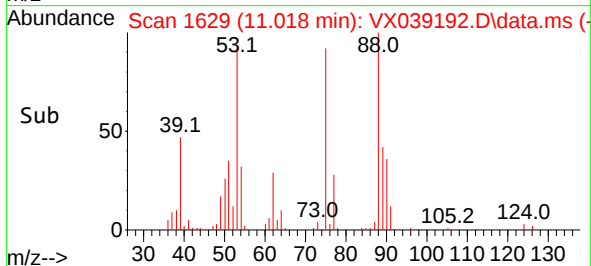
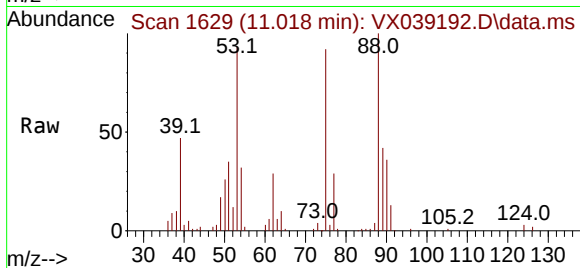
#81
trans-1,4-Dichloro-2-butene
Concen: 19.554 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion: 75 Resp: 17419
Ion Ratio Lower Upper
75 100
53 108.8 90.5 135.7
89 46.4 36.9 55.3

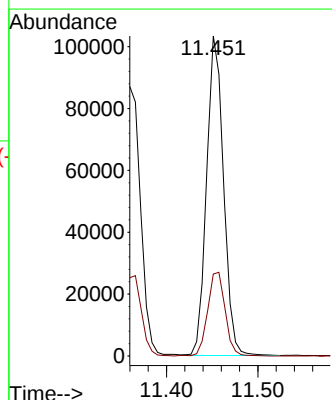
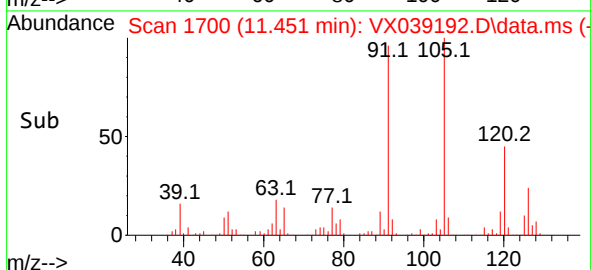
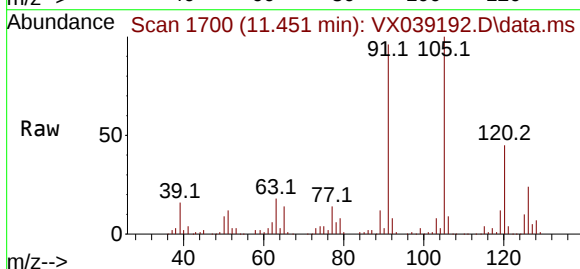
Manual Integrations
APPROVED

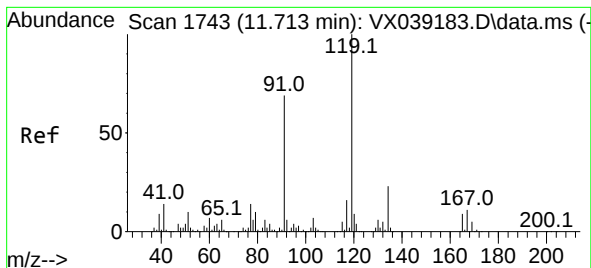
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#82
4-Chlorotoluene
Concen: 20.215 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 91 Resp: 132610
Ion Ratio Lower Upper
91 100
126 27.0 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.054 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion:119 Resp: 12184

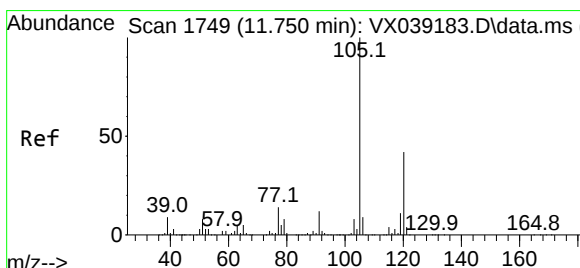
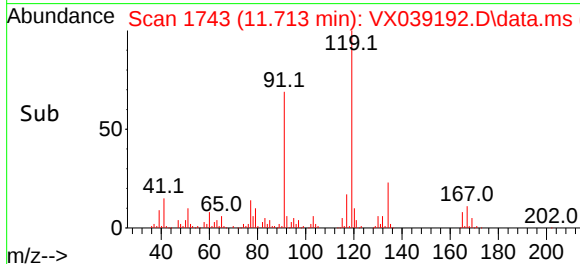
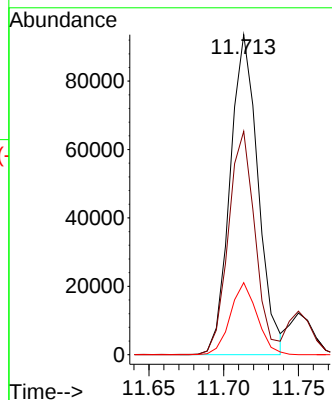
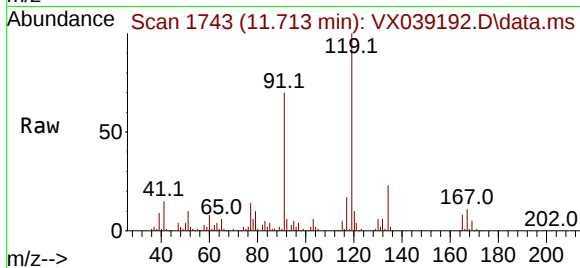
Ion	Ratio	Lower	Upper
119	100		
91	66.8	31.2	93.6
134	21.5	11.7	35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#84

1,2,4-Trimethylbenzene

Concen: 20.471 ug/l

RT: 11.750 min Scan# 1749

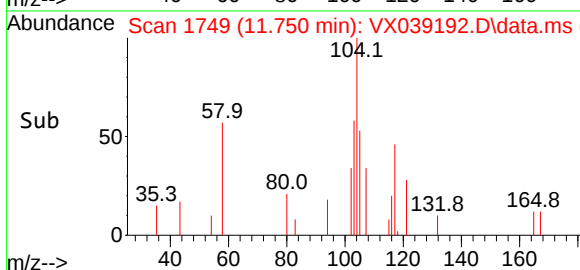
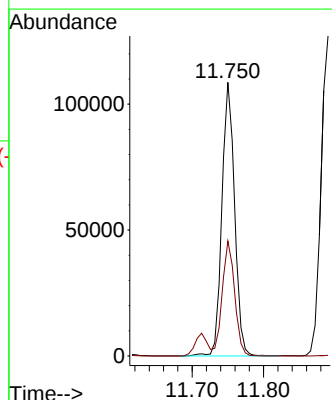
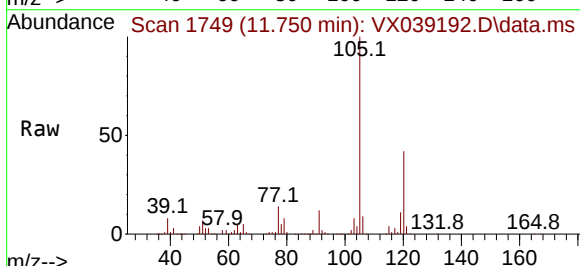
Delta R.T. 0.000 min

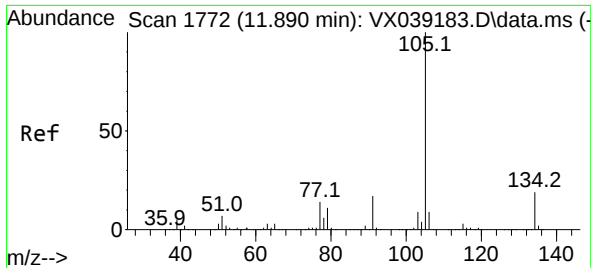
Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion:105 Resp: 134023

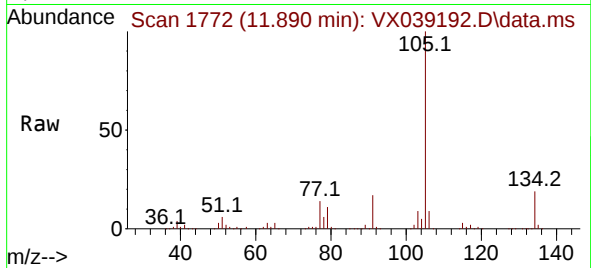
Ion	Ratio	Lower	Upper
105	100		
120	41.3	21.2	63.6





#85
 sec-Butylbenzene
 Concen: 19.982 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25

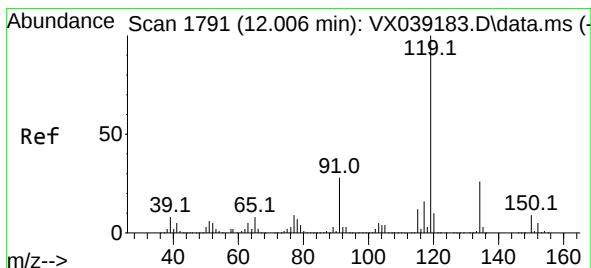
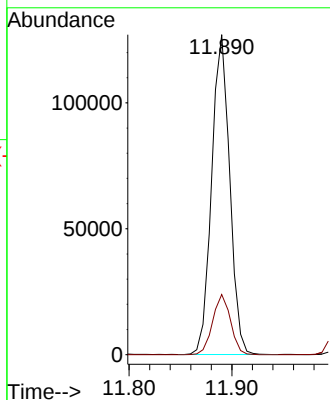
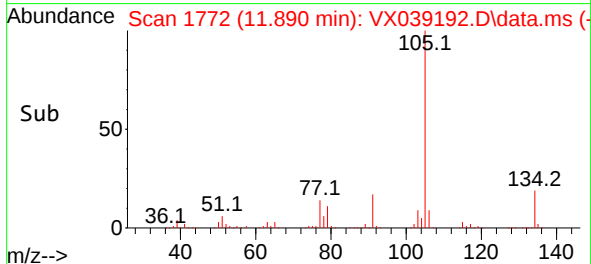
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01



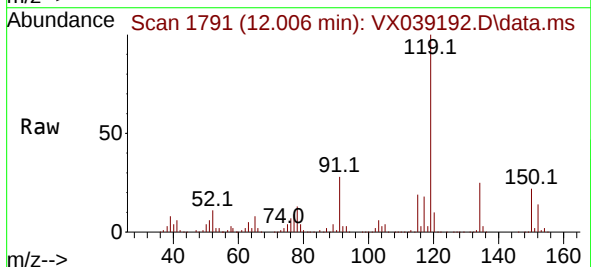
Tgt Ion:105 Resp: 15449
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.4

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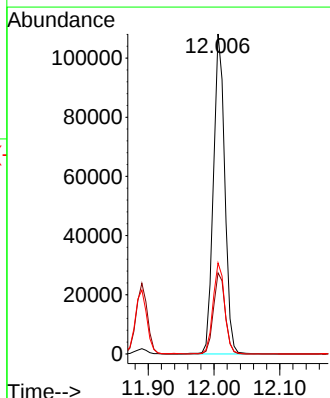
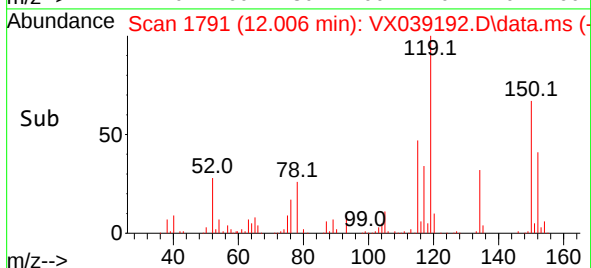
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023

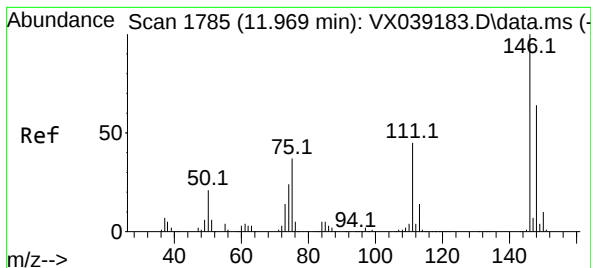


#86
 p-Isopropyltoluene
 Concen: 20.036 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX039192.D
 Acq: 13 Dec 2023 16:25



Tgt Ion:119 Resp: 130002
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 29.0 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 19.739 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion:146 Resp: 6426

Ion Ratio Lower Upper

146 100

111 46.4 22.1 66.1

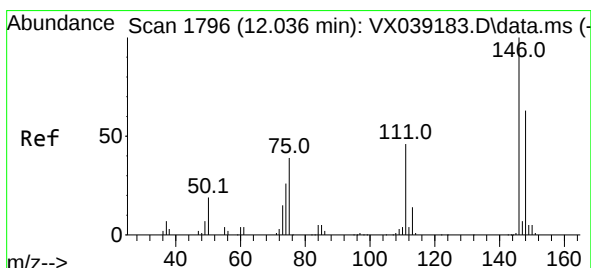
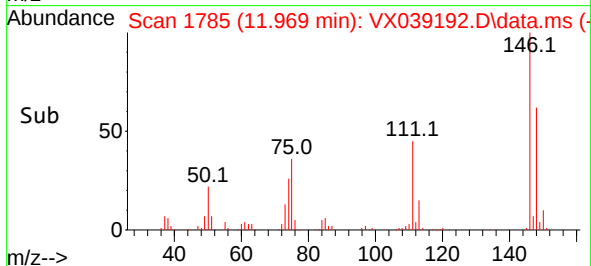
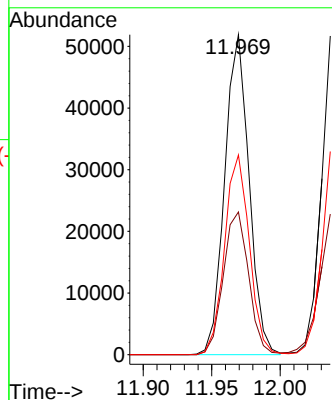
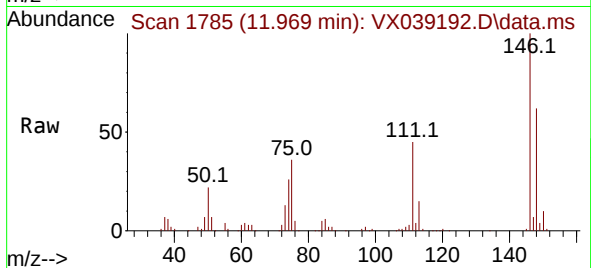
148 63.4 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#88

1,4-Dichlorobenzene

Concen: 19.665 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

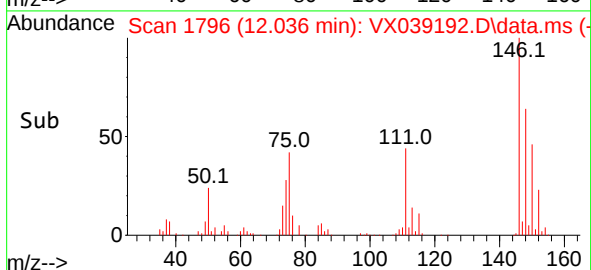
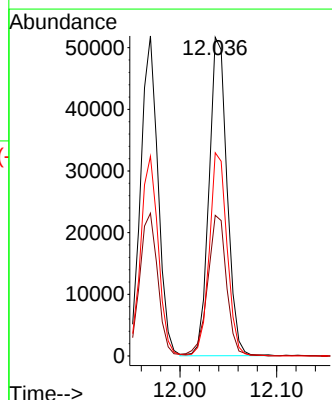
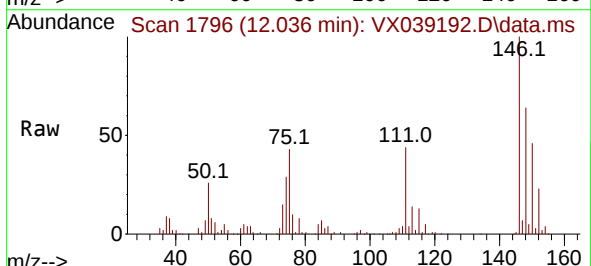
Tgt Ion:146 Resp: 66663

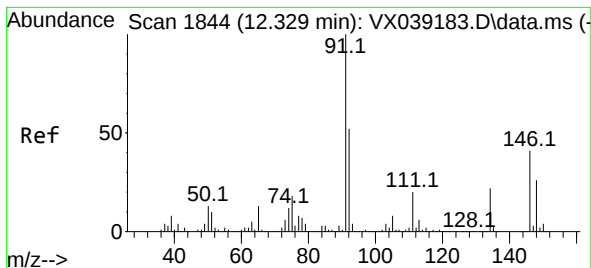
Ion Ratio Lower Upper

146 100

111 46.3 21.3 63.7

148 63.2 31.8 95.4





#89

n-Butylbenzene

Concen: 20.711 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion: 91 Resp: 132100

Ion Ratio Lower Upper

91 100

92 51.5 27.4 82.0

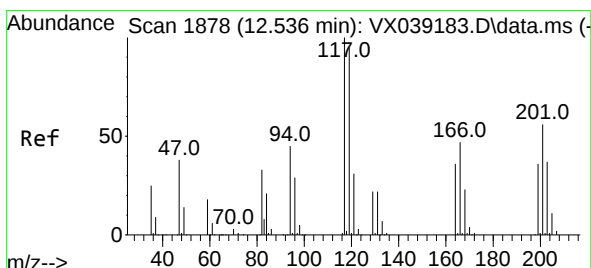
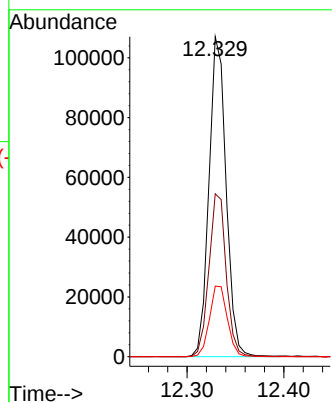
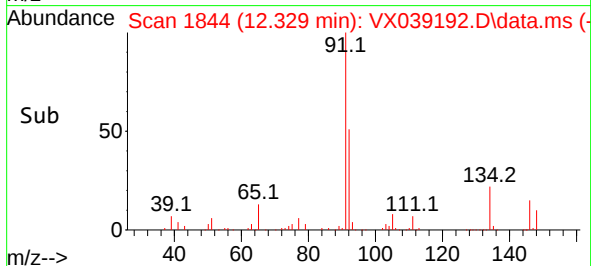
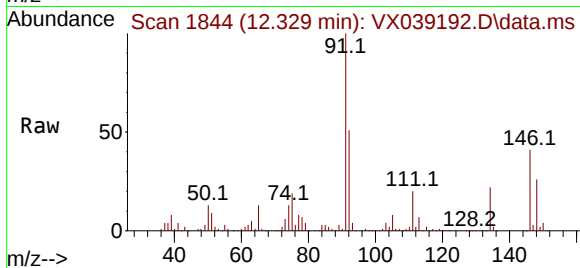
134 23.0 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#90

Hexachloroethane

Concen: 19.519 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX039192.D

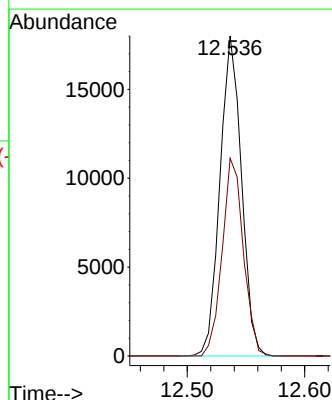
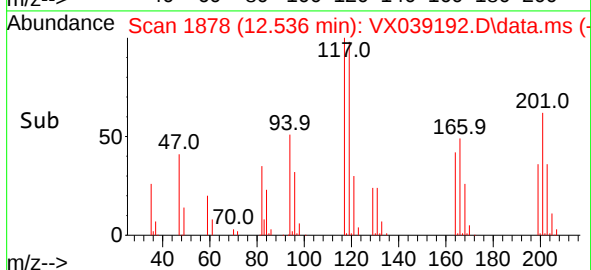
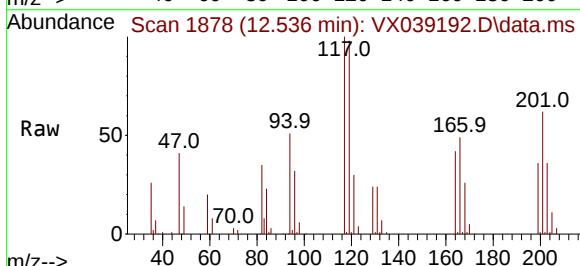
Acq: 13 Dec 2023 16:25

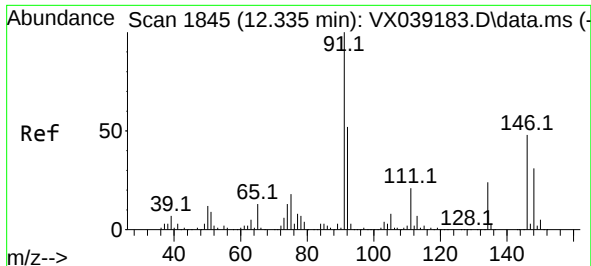
Tgt Ion:117 Resp: 22878

Ion Ratio Lower Upper

117 100

201 61.1 32.9 98.6





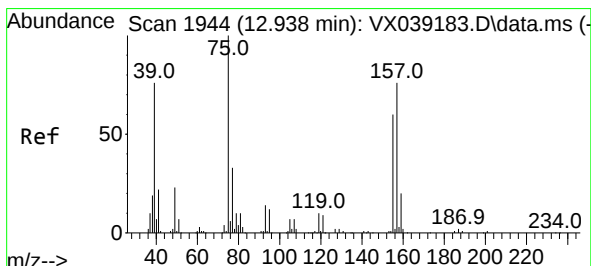
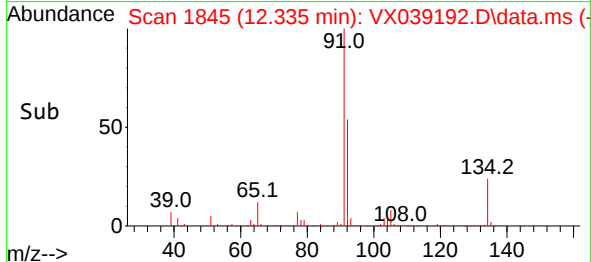
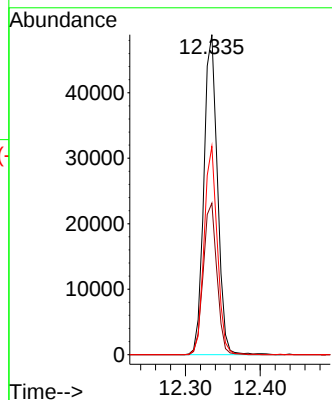
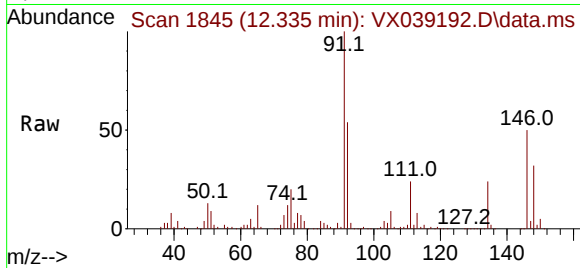
#91
1,2-Dichlorobenzene
Concen: 19.819 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tgt Ion:146 Resp: 61738
Ion Ratio Lower Upper
146 100
111 47.4 22.4 67.0
148 62.9 31.6 95.0

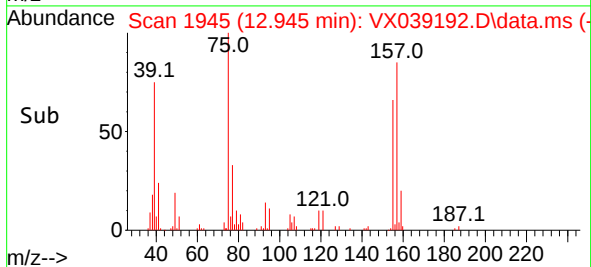
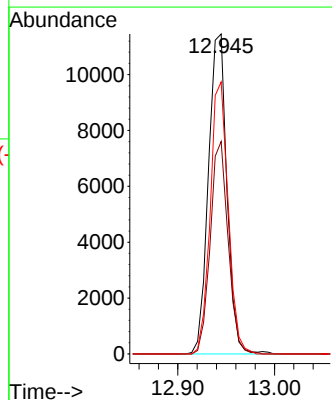
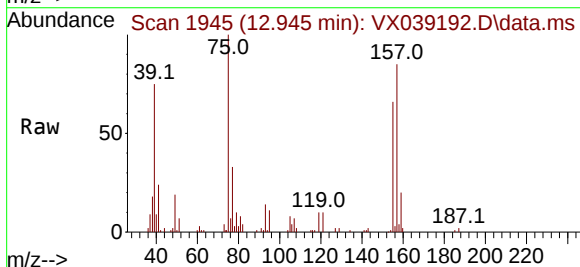
Manual Integrations
APPROVED

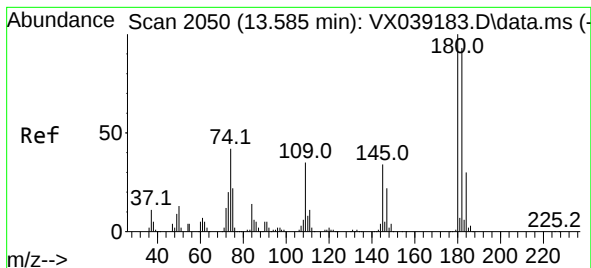
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.794 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX039192.D
Acq: 13 Dec 2023 16:25

Tgt Ion: 75 Resp: 15269
Ion Ratio Lower Upper
75 100
155 64.0 36.1 108.5
157 82.3 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 20.030 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

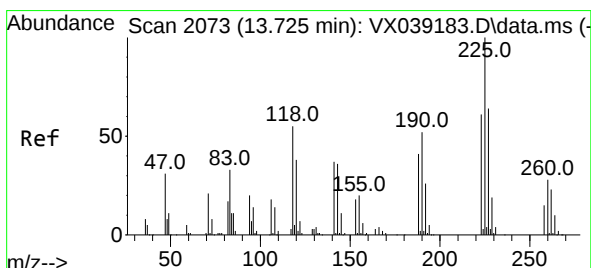
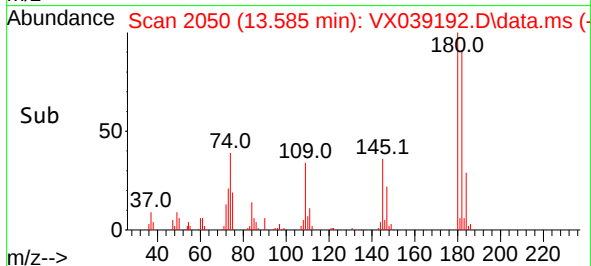
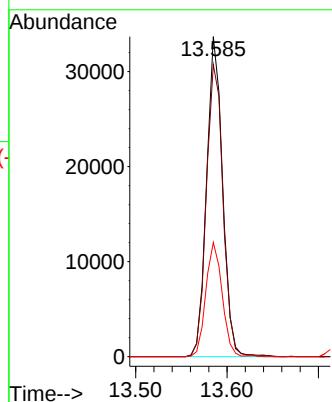
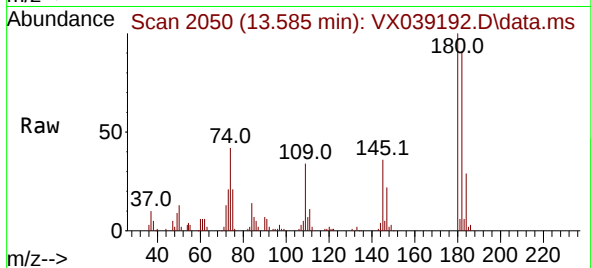
Tgt Ion:180	Resp:	4085
Ion Ratio	Lower	Upper
180	100	
182	95.2	48.3 144.8
145	36.4	18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#94

Hexachlorobutadiene

Concen: 20.328 ug/l

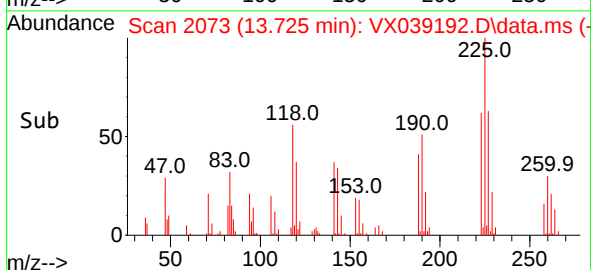
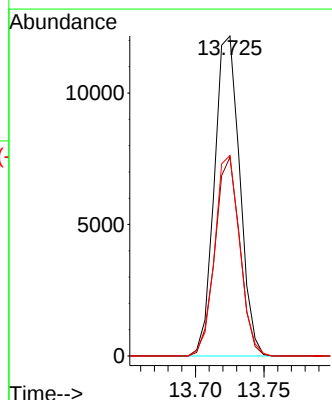
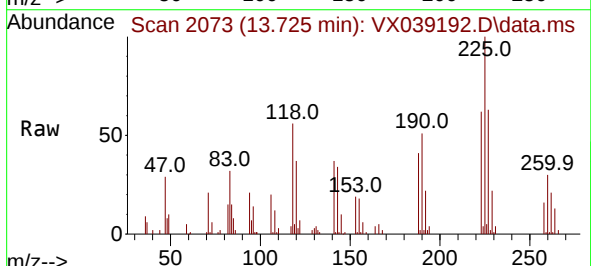
RT: 13.725 min Scan# 2073

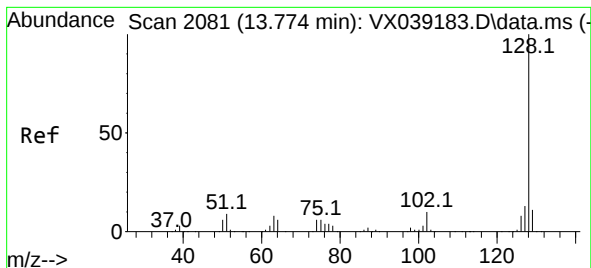
Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion:225	Resp:	15626
Ion Ratio	Lower	Upper
225	100	
223	60.8	31.1 93.2
227	61.9	32.5 97.5





#95

Naphthalene

Concen: 20.724 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tgt Ion:128 Resp: 14721

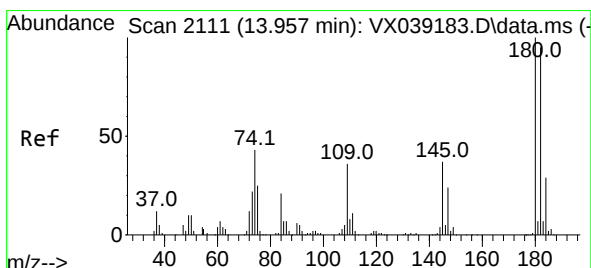
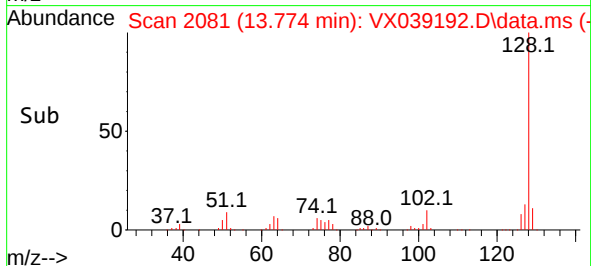
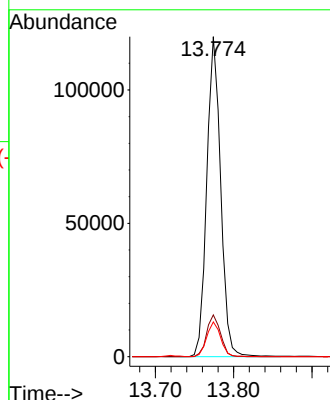
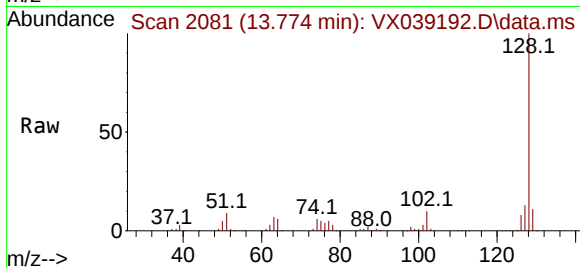
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#96

1,2,3-Trichlorobenzene

Concen: 20.133 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX039192.D

Acq: 13 Dec 2023 16:25

Tgt Ion:180 Resp: 39645

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.6
145	37.6	17.8	53.5

