

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033452.D
 Acq On : 16 Dec 2022 11:20
 Operator : JC/MD
 Sample : VX1216WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 07:44:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	12688	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	88438	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100022	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	34286	30.768	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	11.079	95	55071	29.728	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.100%			
63) Toluene-d8	8.647	98	98543	29.617	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19184	20.703	ug/l	97
3) Chloromethane	1.294	50	19481	20.834	ug/l	96
4) Vinyl Chloride	1.374	62	22982	20.484	ug/l	98
5) Bromomethane	1.618	94	13545	16.509	ug/l	100
6) Chloroethane	1.691	64	14558	17.551	ug/l	94
7) Trichlorofluoromethane	1.892	101	34543	15.102	ug/l	95
8) Diethyl Ether	2.136	74	12097	16.935	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	19695	16.959	ug/l	98
10) 1,1-Dichloroethene	2.325	96	18175	16.622	ug/l	98
11) Methyl Iodide	2.453	142	26047	20.974	ug/l	97
12) Methyl Acetate	2.703	43	34215	22.190	ug/l	99
13) Acrolein	2.239	56	28314	116.073	ug/l	98
14) Acrylonitrile	3.068	53	61337	109.439	ug/l	98
15) Acetone	2.386	58	16433	85.299	ug/l	87
16) Carbon Disulfide	2.514	76	56992	19.347	ug/l	98
17) Allyl chloride	2.666	41	36790	20.499	ug/l	99
18) Methylene Chloride	2.788	84	26128	20.589	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	25818	20.269	ug/l	96
20) Diisopropyl ether	3.757	45	78848	20.877	ug/l	96
21) 1,1-Dichloroethane	3.611	63	46629	20.931	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	31162	21.075	ug/l	97
23) tert-Butyl Alcohol	2.995	59	22762m	95.172	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	81624	20.631	ug/l	98
25) Chloroform	5.093	83	53470	21.093	ug/l	96
26) Cyclohexane	5.470	56	40704	20.891	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	38371	21.467	ug/l	99
30) 2-Butanone	4.556	43	91041	108.960	ug/l	99
31) 2,2-Dichloropropane	4.477	77	36421	19.389	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	47761	20.699	ug/l	99
33) Carbon Tetrachloride	5.672	117	42506	20.146	ug/l	91
34) Benzene	6.037	78	106634	20.818	ug/l	99
35) Methacrylonitrile	4.922	41	18526	21.635	ug/l	91
36) 1,2-Dichloroethane	6.086	62	42326	21.497	ug/l	99
37) Trichloroethene	7.123	130	30505	20.973	ug/l	87
38) Methylcyclohexane	7.379	83	43401	20.607	ug/l	99
39) 1,2-Dichloropropane	7.427	63	27200	21.296	ug/l	98
40) Dibromomethane	7.580	93	19968	20.432	ug/l	99
41) Bromodichloromethane	7.824	83	40345	20.146	ug/l	99
42) Vinyl Acetate	3.721	43	308562	106.666	ug/l	100

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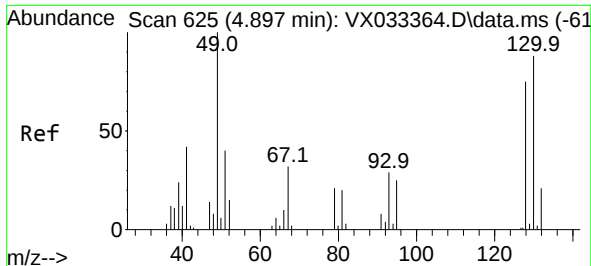
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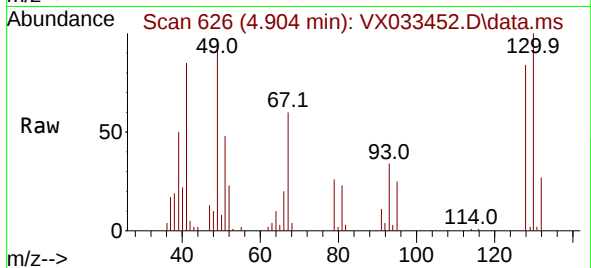
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	31671	21.081	ug/l	98
44) Isopropyl Acetate	6.336	43	52915	20.748	ug/l	99
45) 1,4-Dioxane	7.696	88	13676m	457.829	ug/l	
46) Methyl methacrylate	7.690	41	27295	21.486	ug/l	98
47) n-amyl Acetate	10.841	43	46297	21.631	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	39981	19.903	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	43179	20.027	ug/l	100
50) 1,1,2-Trichloroethane	9.153	97	29478	21.812	ug/l	99
51) Ethyl methacrylate	9.116	69	40791	21.124	ug/l	99
52) 1,3-Dichloropropane	9.311	76	47362	21.461	ug/l	99
53) Dibromochloromethane	9.519	129	31963	19.680	ug/l	97
54) 1,2-Dibromoethane	9.610	107	31663	21.404	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	90862	100.219	ug/l	99
56) Bromoform	10.799	173	22816	19.462	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	175463	108.482	ug/l	99
59) 2-Hexanone	9.427	43	136271	110.178	ug/l	99
61) Tetrachloroethene	9.275	164	27868	20.807	ug/l	95
62) Toluene	8.720	91	125614	20.690	ug/l	100
64) Chlorobenzene	10.079	112	80222	20.888	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	30067	19.824	ug/l	97
66) Ethyl Benzene	10.195	91	140489	20.536	ug/l	98
67) m/p-Xylenes	10.299	106	112278	41.988	ug/l	97
68) o-Xylene	10.640	106	54177	20.794	ug/l	98
69) Styrene	10.652	104	89024	20.567	ug/l	100
70) Isopropylbenzene	10.963	105	144647	20.921	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	43671	21.358	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	39845m	21.882	ug/l	
73) Bromobenzene	11.195	156	34636	20.248	ug/l	98
74) n-propylbenzene	11.305	91	164825	20.804	ug/l	99
75) 2-Chlorotoluene	11.366	91	101664	21.347	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	126045	21.685	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	11298	18.661	ug/l	92
78) 4-Chlorotoluene	11.457	91	115467	21.157	ug/l	99
79) tert-butylbenzene	11.713	119	122338	21.232	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	123746	21.658	ug/l	98
81) sec-Butylbenzene	11.890	105	147384	21.283	ug/l	99
82) p-Isopropyltoluene	12.012	119	125720	21.287	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	66653	21.169	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	67881	21.419	ug/l	100
85) n-Butylbenzene	12.335	91	105377	21.376	ug/l	98
86) Hexachloroethane	12.536	117	19811	18.900	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	65894	21.239	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	9024	20.256	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	39851	20.793	ug/l	95
90) Hexachlorobutadiene	13.725	225	17463	21.474	ug/l	98
91) Naphthalene	13.774	128	131682	21.230	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	40076	20.881	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

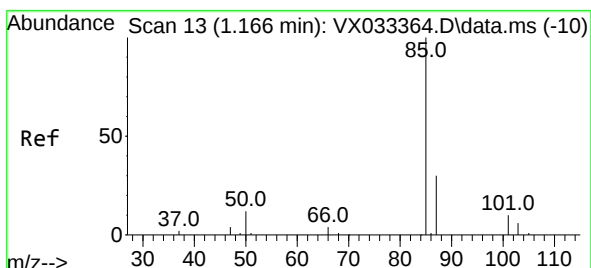
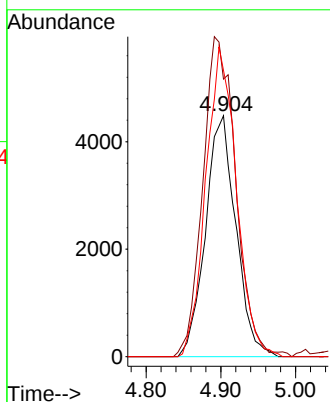
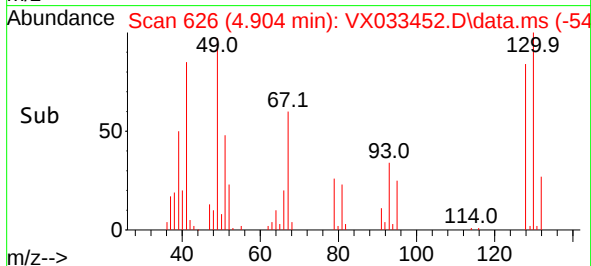
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion:128 Resp: 1268
Ion Ratio Lower Upper
128 100
49 142.8 0.0 339.5
130 129.5 0.0 318.0

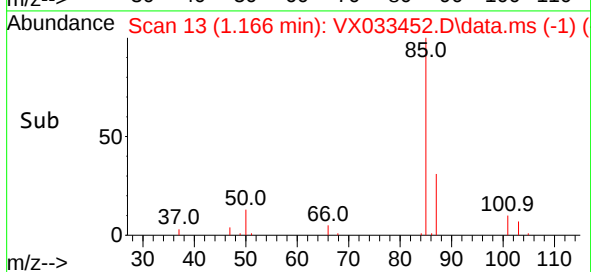
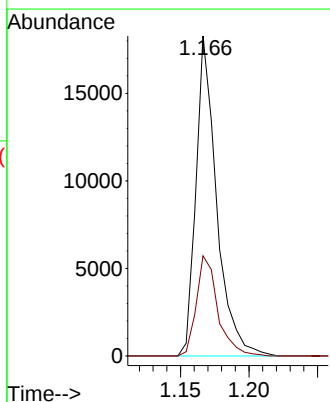
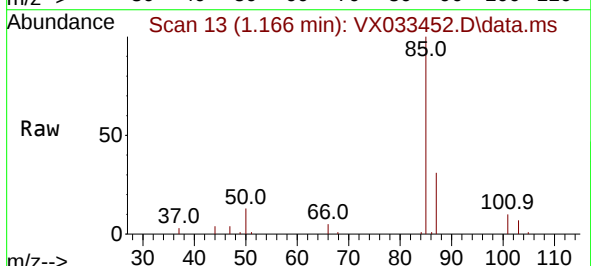
Manual Integrations
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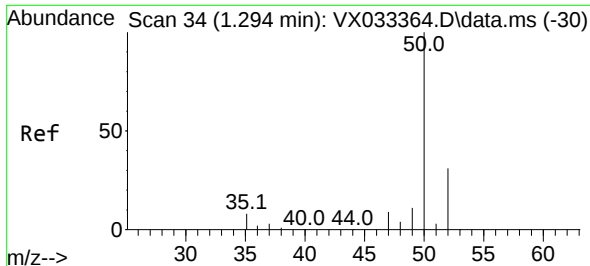
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#2
Dichlorodifluoromethane
Concen: 20.703 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

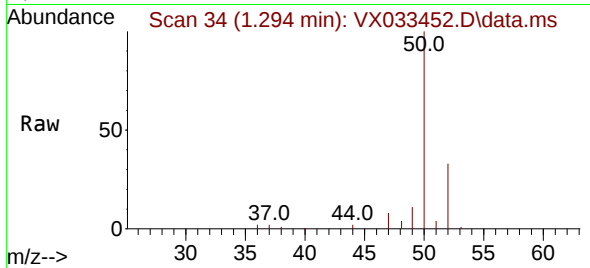
Tgt Ion: 85 Resp: 19184
Ion Ratio Lower Upper
85 100
87 31.3 14.9 44.7





#3
Chloromethane
Concen: 20.834 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

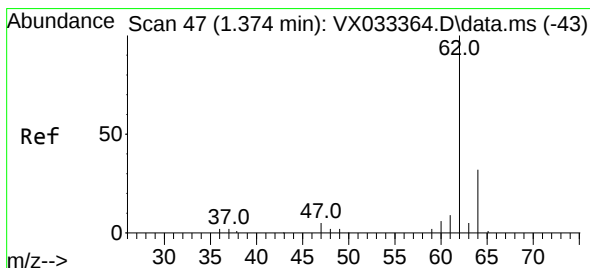
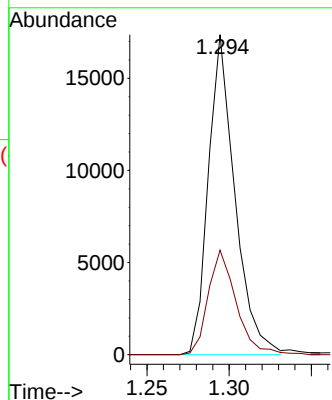
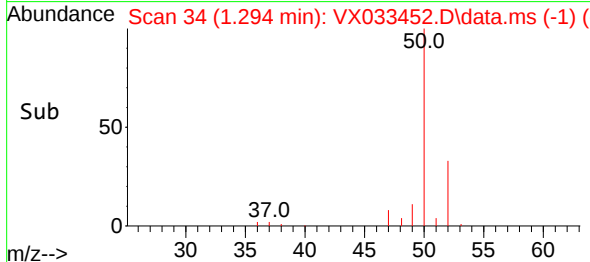
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



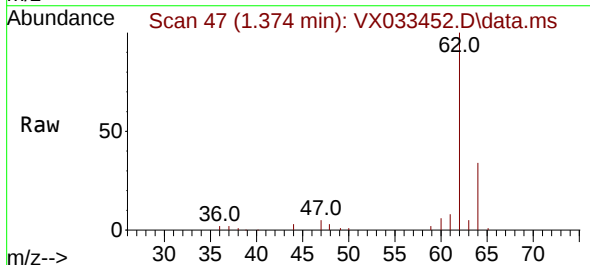
Tgt Ion: 50 Resp: 1948
Ion Ratio Lower Upper
50 100
52 32.7 24.6 36.8

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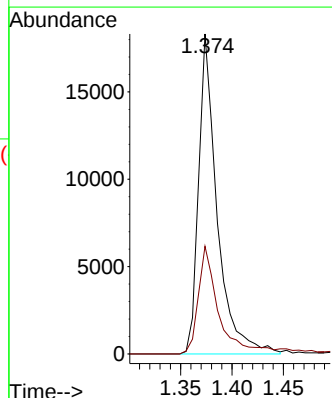
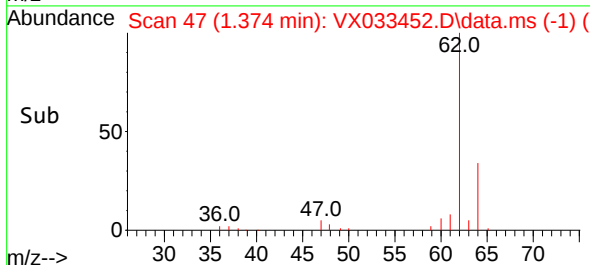
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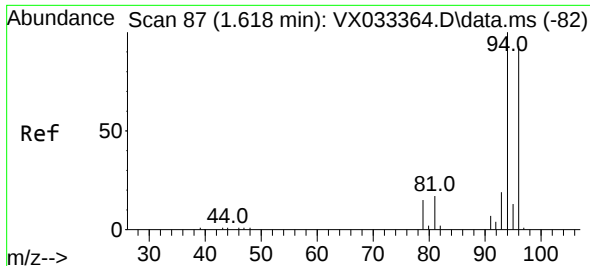


#4
Vinyl Chloride
Concen: 20.484 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



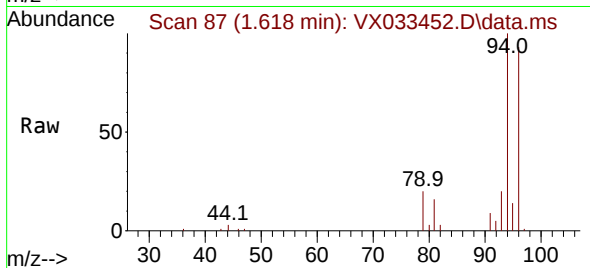
Tgt Ion: 62 Resp: 22982
Ion Ratio Lower Upper
62 100
64 33.6 25.9 38.9





#5
Bromomethane
Concen: 16.509 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

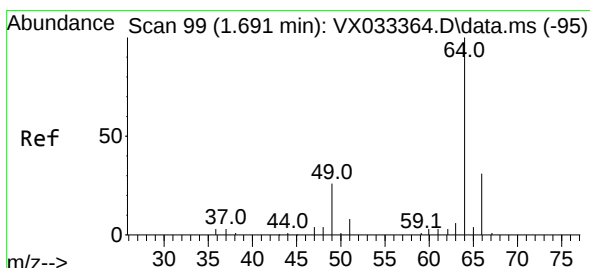
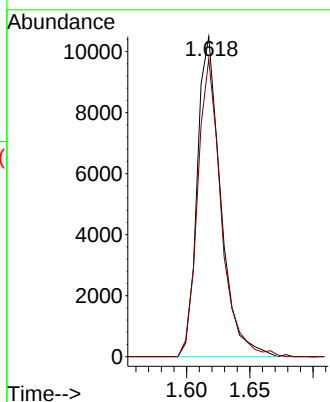
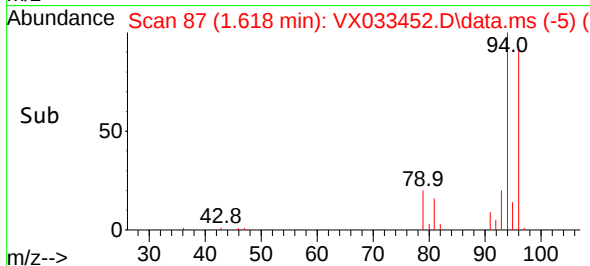
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 94 Resp: 1354
Ion Ratio Lower Upper
94 100
96 93.0 74.2 111.2

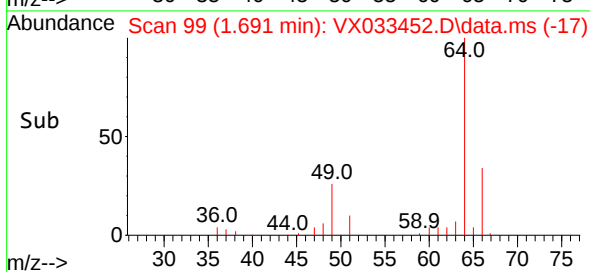
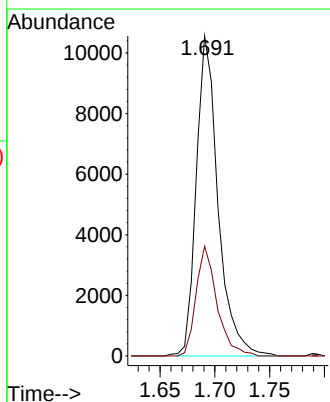
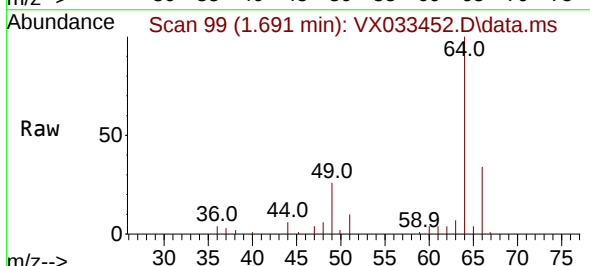
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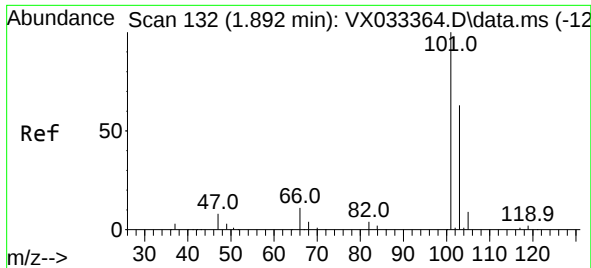
Reviewed By :John Carlone 12/19/2022
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#6
Chloroethane
Concen: 17.551 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

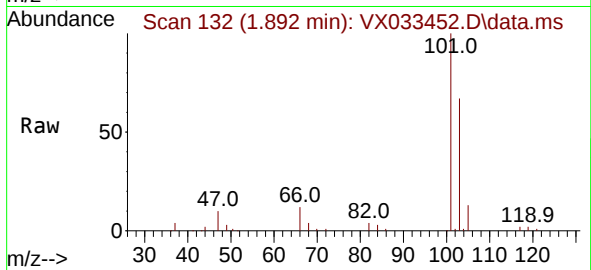
Tgt Ion: 64 Resp: 14558
Ion Ratio Lower Upper
64 100
66 34.3 24.8 37.2





#7
 Trichlorofluoromethane
 Concen: 15.102 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20

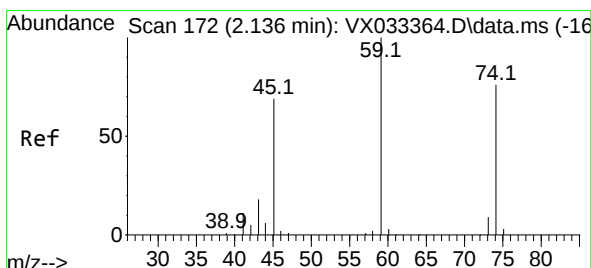
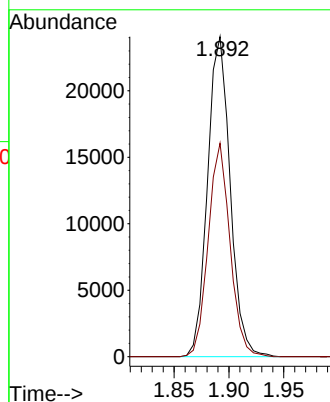
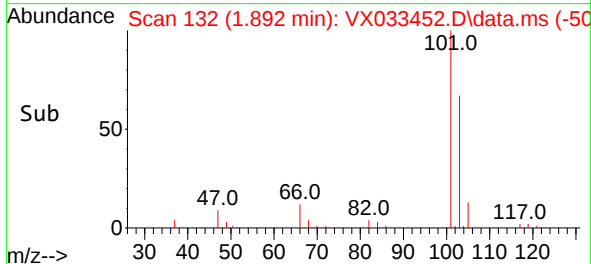
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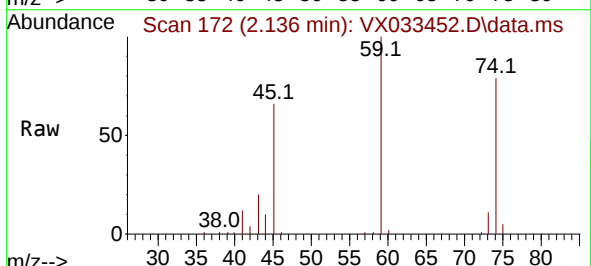
Tgt Ion:101 Resp: 3454
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.3 75.5

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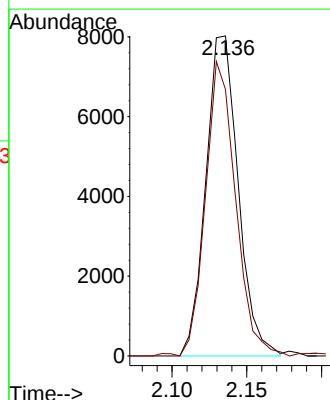
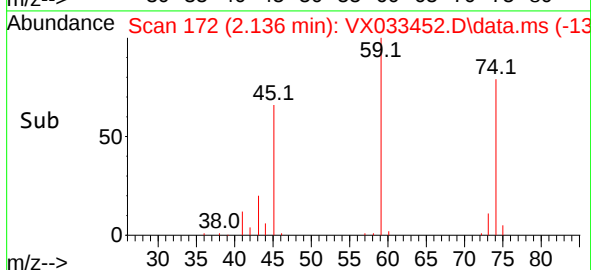
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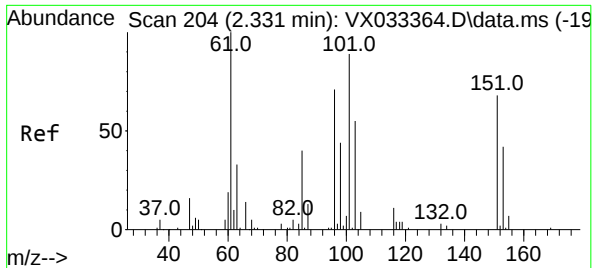


#8
 Diethyl Ether
 Concen: 16.935 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20



Tgt Ion: 74 Resp: 12097
 Ion Ratio Lower Upper
 74 100
 45 85.3 18.0 161.8





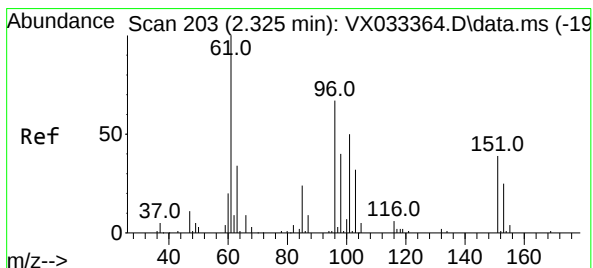
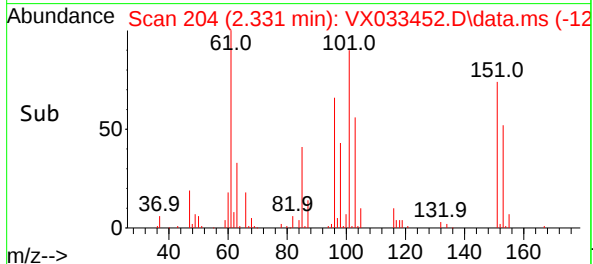
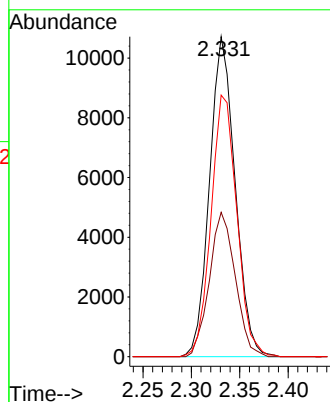
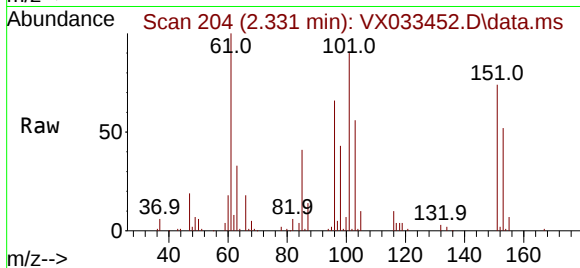
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.959 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 101 Resp: 1969
Ion Ratio Lower Upper
101 100
85 45.7 0.0 88.8
151 82.6 0.0 162.2

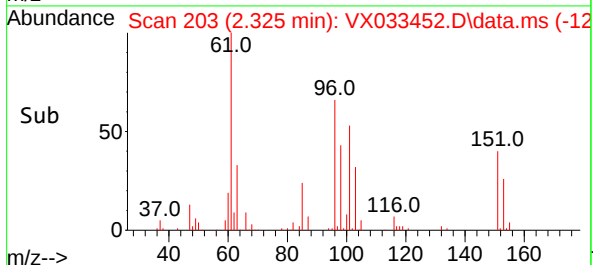
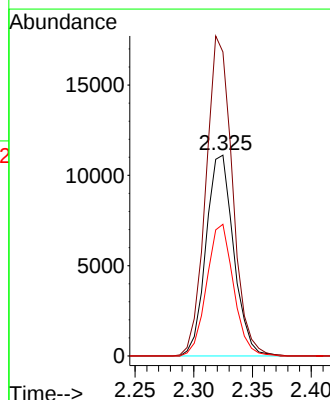
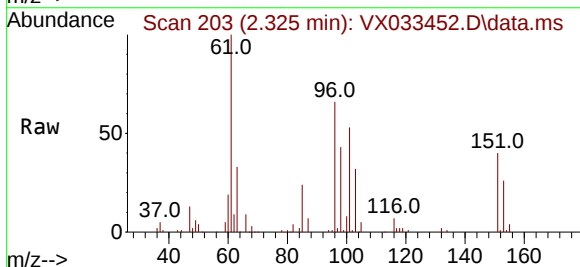
Manual Integrations
APPROVED

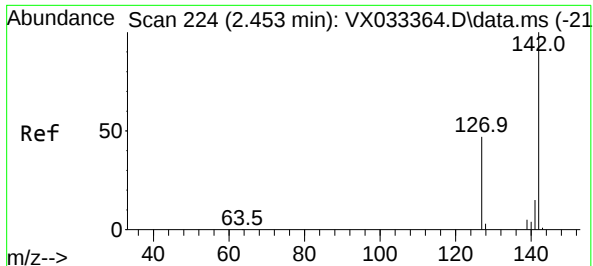
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#10
1,1-Dichloroethene
Concen: 16.622 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 96 Resp: 18175
Ion Ratio Lower Upper
96 100
61 150.9 120.5 180.7
98 65.6 47.8 71.6





#11

Methyl Iodide

Concen: 20.974 ug/l

RT: 2.453 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

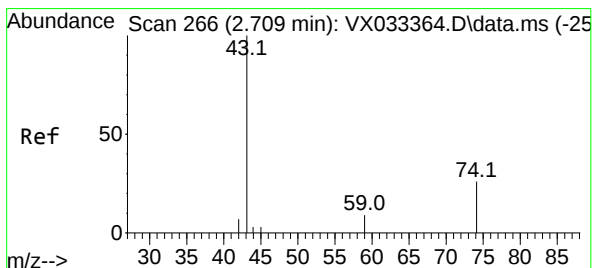
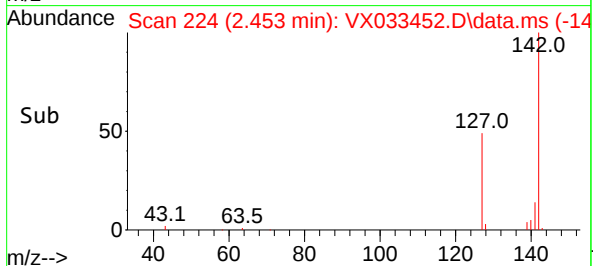
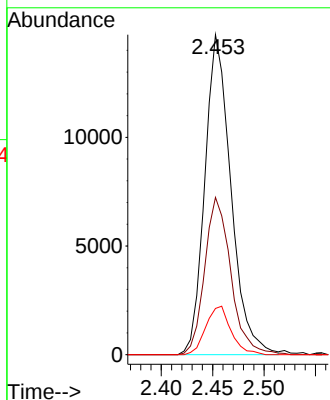
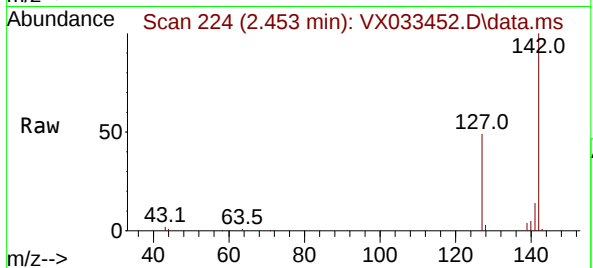
Tgt Ion:	142	Resp:	2604
Ion Ratio	Lower	Upper	
142	100		
127	49.1	23.4	70.3
141	14.5	7.8	23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#12

Methyl Acetate

Concen: 22.190 ug/l

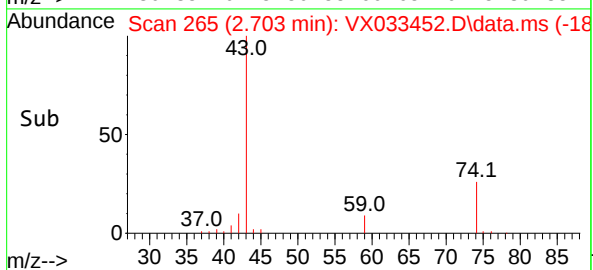
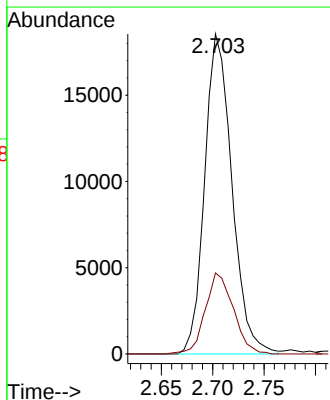
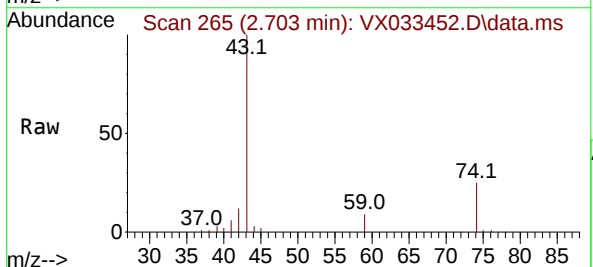
RT: 2.703 min Scan# 265

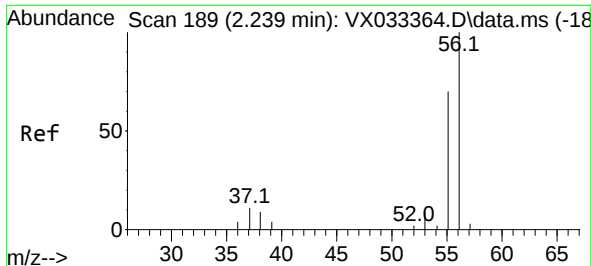
Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

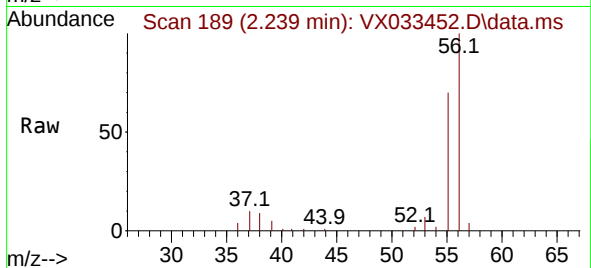
Tgt Ion:	43	Resp:	34215
Ion Ratio	Lower	Upper	
43	100		
74	25.1	20.6	31.0





#13
Acrolein
Concen: 116.073 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

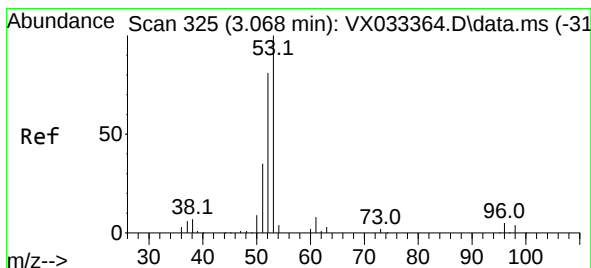
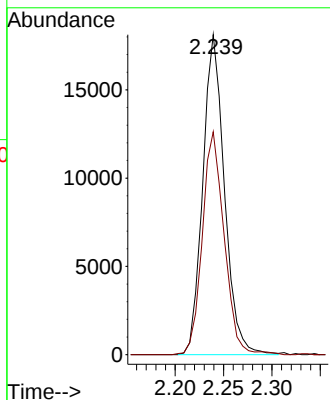
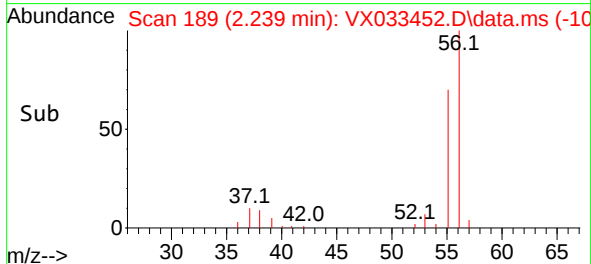
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 56 Resp: 28314
Ion Ratio Lower Upper
56 100
55 69.5 57.2 85.8

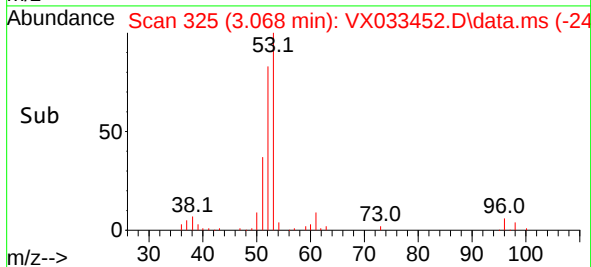
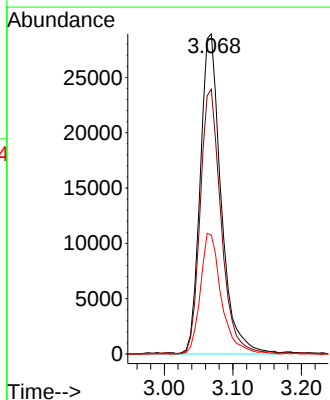
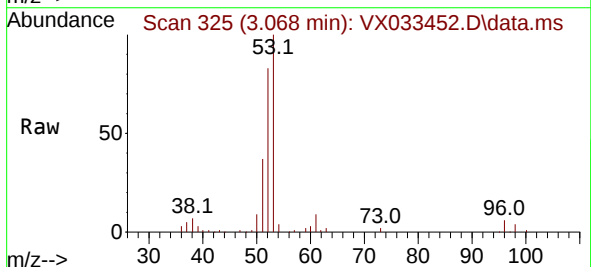
Manual Integrations
APPROVED

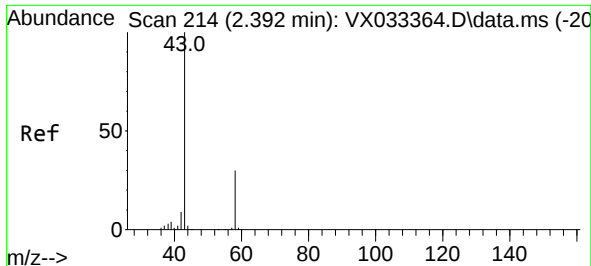
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#14
Acrylonitrile
Concen: 109.439 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

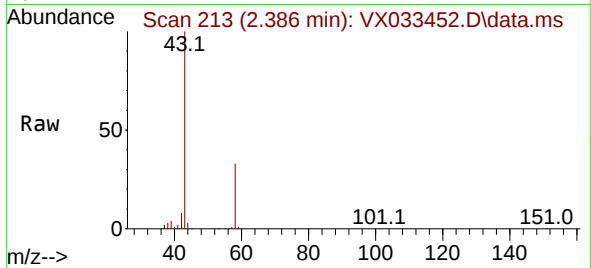
Tgt Ion: 53 Resp: 61337
Ion Ratio Lower Upper
53 100
52 82.7 40.3 120.8
51 37.9 18.4 55.4





#15
Acetone
Concen: 85.299 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

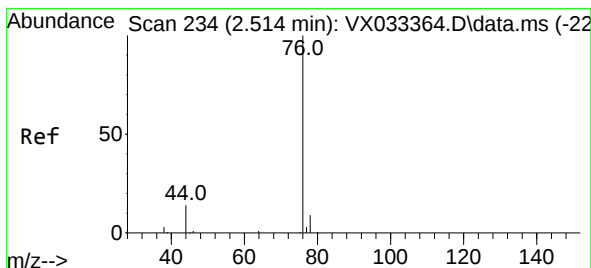
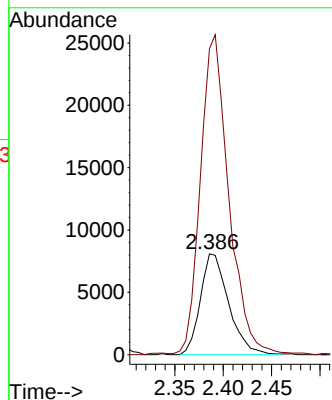
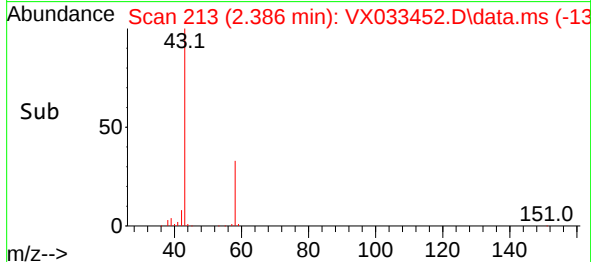
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 58 Resp: 1643
Ion Ratio Lower Upper
58 100
43 301.1 262.9 394.3

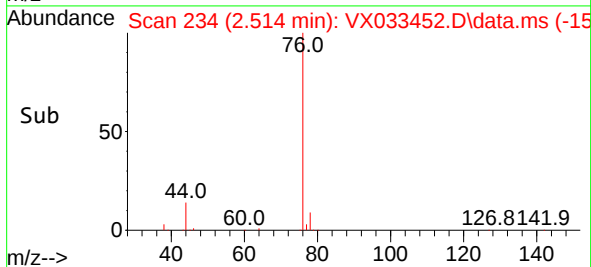
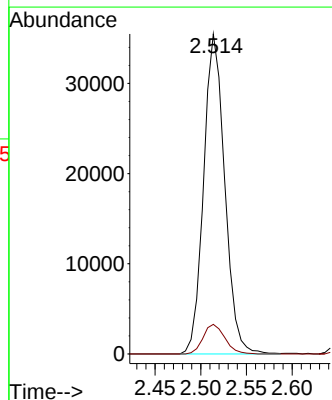
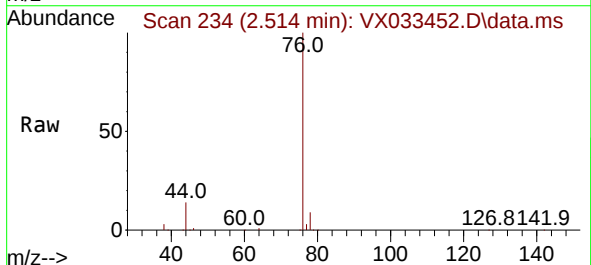
Manual Integrations
APPROVED

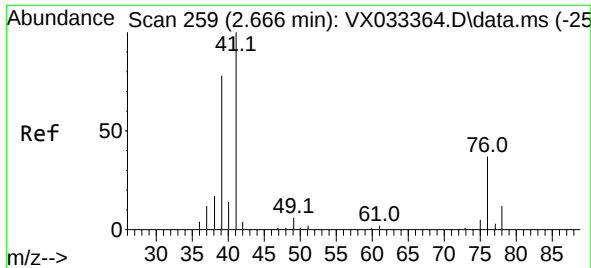
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#16
Carbon Disulfide
Concen: 19.347 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

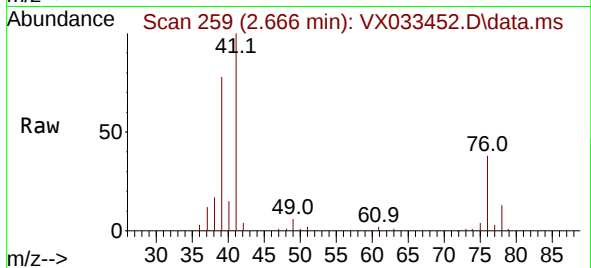
Tgt Ion: 76 Resp: 56992
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4





#17
 Allyl chloride
 Concen: 20.499 ug/l
 RT: 2.666 min Scan# 259
 Delta R.T. 0.000 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20

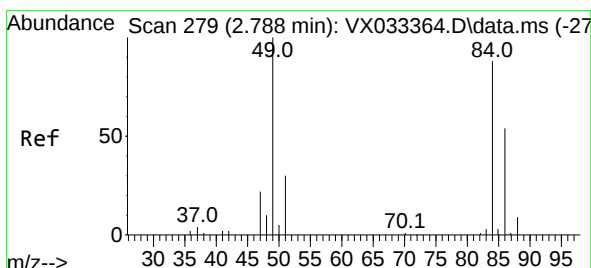
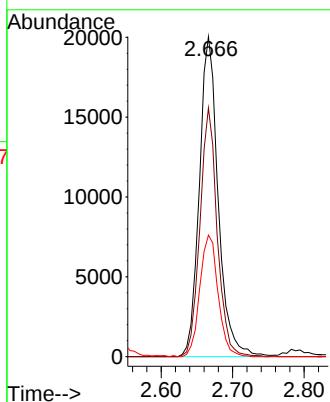
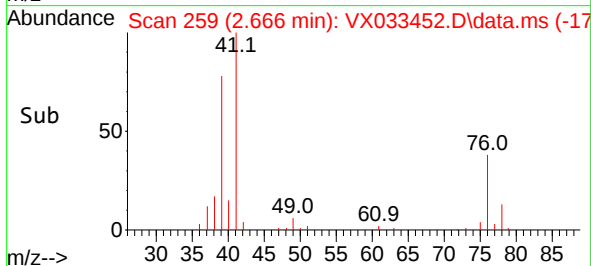
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBS01



Tgt Ion: 41 Resp: 36790
 Ion Ratio Lower Upper
 41 100
 39 77.8 39.1 117.2
 76 38.0 18.6 55.8

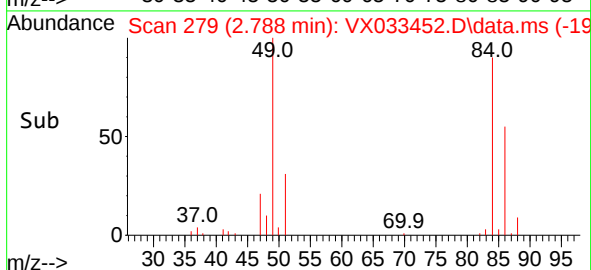
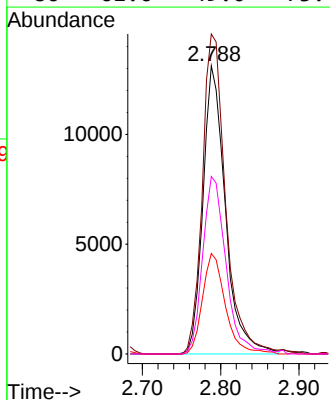
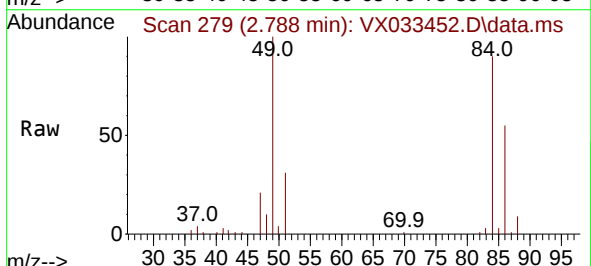
Manual Integrations
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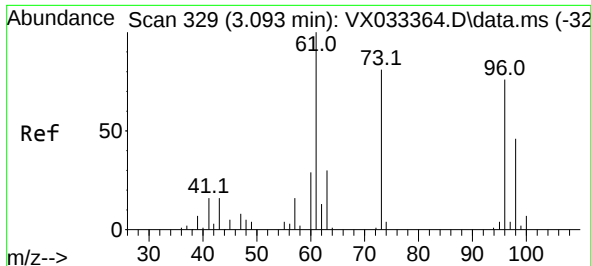
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022



#18
 Methylene Chloride
 Concen: 20.589 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20

Tgt Ion: 84 Resp: 26128
 Ion Ratio Lower Upper
 84 100
 49 111.0 91.2 136.8
 51 34.9 27.3 40.9
 86 61.6 49.0 73.4





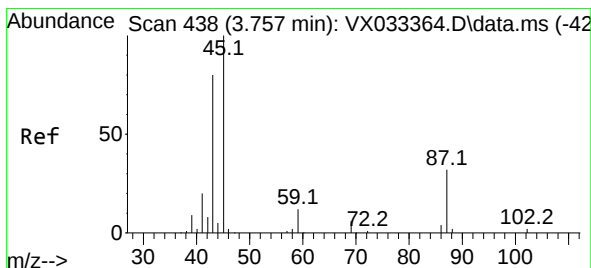
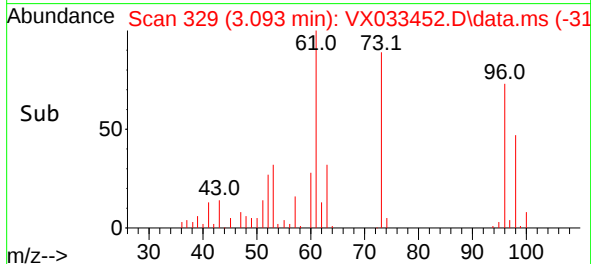
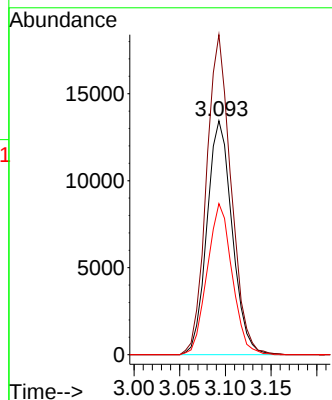
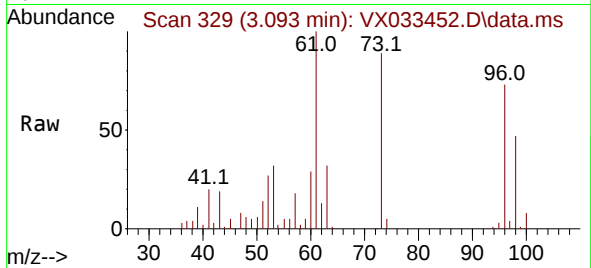
#19
trans-1,2-Dichloroethene
Concen: 20.269 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 96 Resp: 25818
Ion Ratio Lower Upper
96 100
61 136.8 105.8 158.8
98 64.6 49.1 73.7

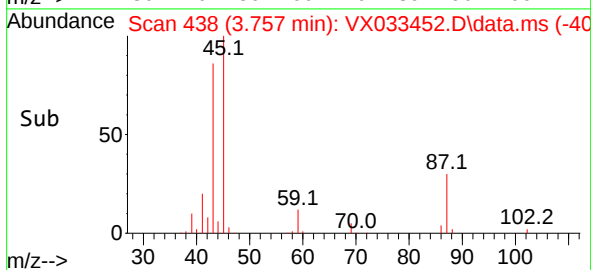
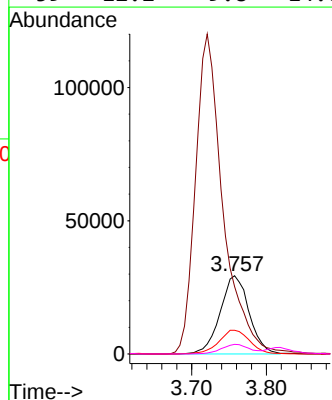
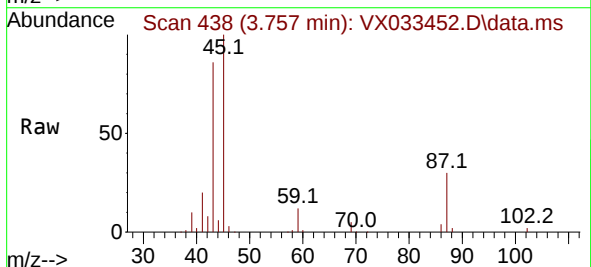
Manual Integrations
APPROVED

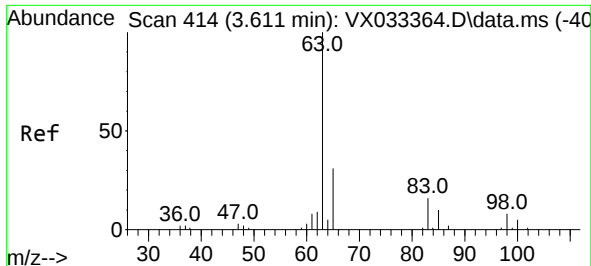
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#20
Diisopropyl ether
Concen: 20.877 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 45 Resp: 78848
Ion Ratio Lower Upper
45 100
43 81.4 68.2 102.2
87 30.0 25.5 38.3
59 12.2 9.8 14.6





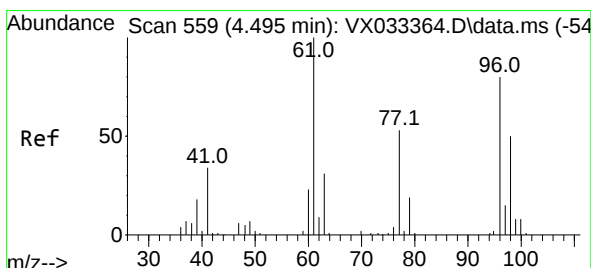
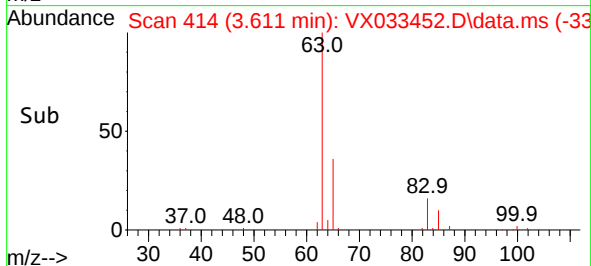
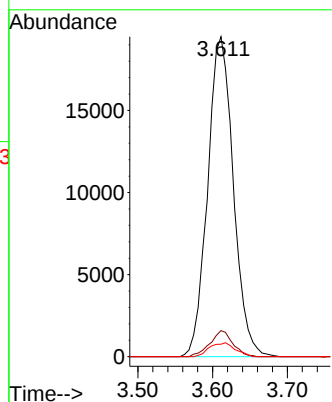
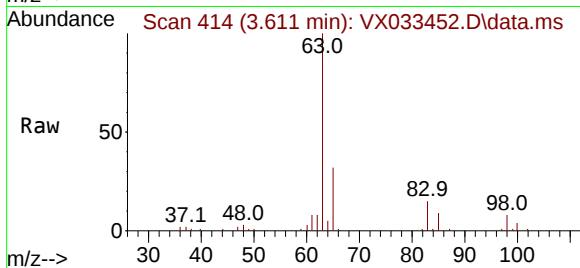
#21
1,1-Dichloroethane
Concen: 20.931 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 63 Resp: 46629
Ion Ratio Lower Upper
63 100
98 8.1 4.0 11.9
100 3.9 2.8 8.3

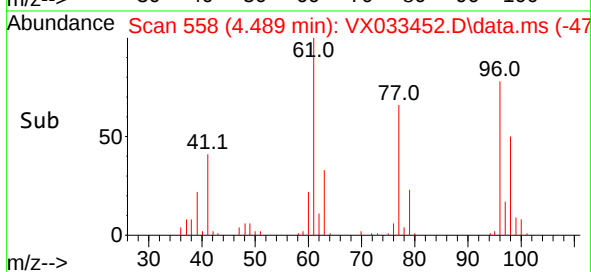
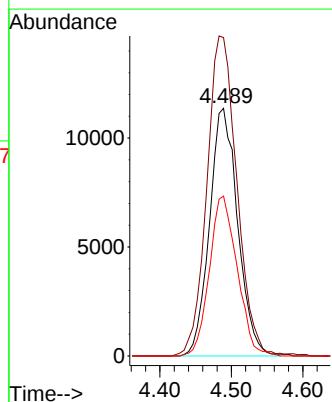
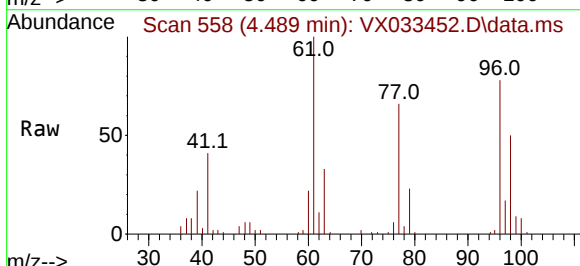
Manual Integrations
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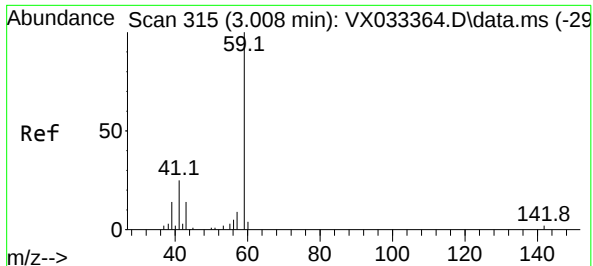
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#22
cis-1,2-Dichloroethene
Concen: 21.075 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 96 Resp: 31162
Ion Ratio Lower Upper
96 100
61 137.2 113.5 170.3
98 63.5 51.9 77.9





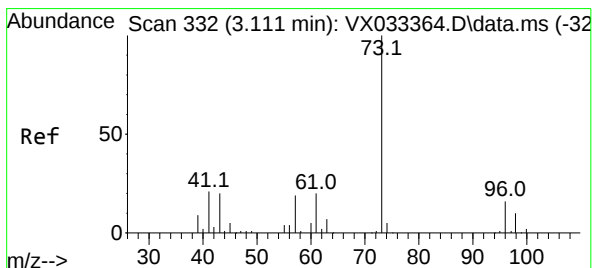
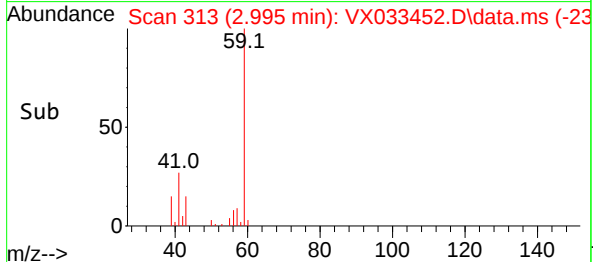
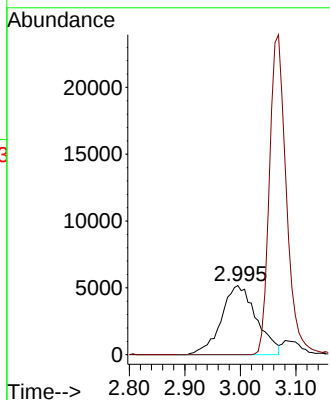
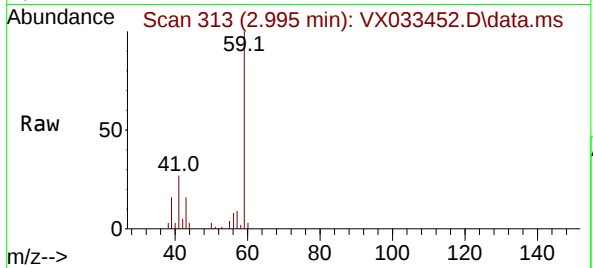
#23
tert-Butyl Alcohol
Concen: 95.172 ug/l m
RT: 2.995 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 59 Resp: 22762
Ion Ratio Lower Upper
59 100
52 0.9 149.0 223.6

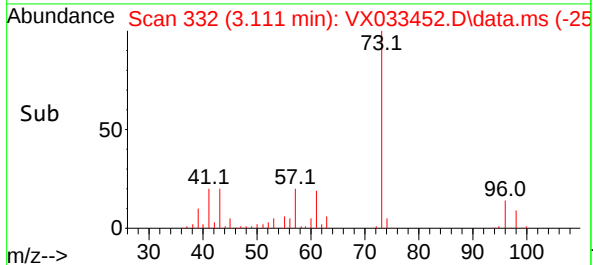
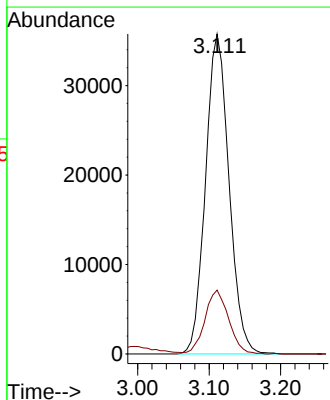
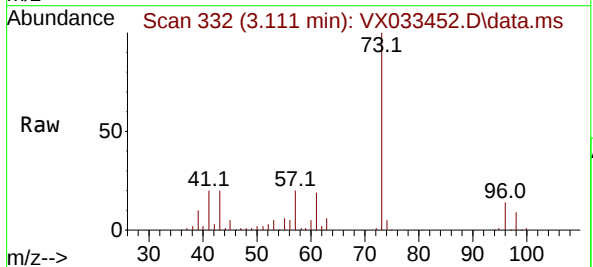
Manual Integrations
APPROVED

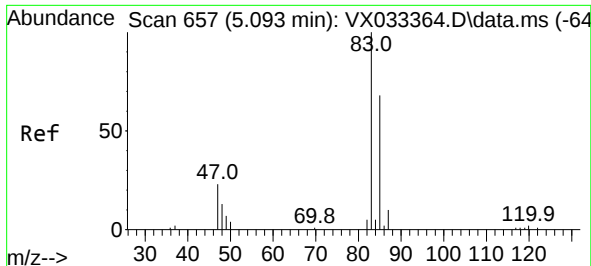
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#24
Methyl tert-Butyl Ether
Concen: 20.631 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 73 Resp: 81624
Ion Ratio Lower Upper
73 100
43 20.2 16.8 25.2





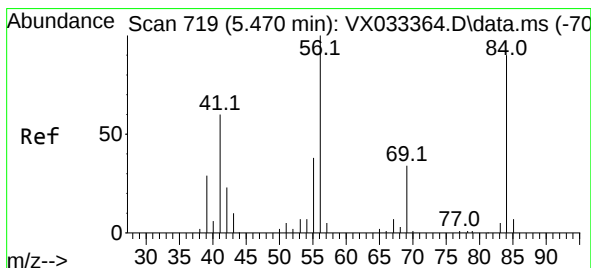
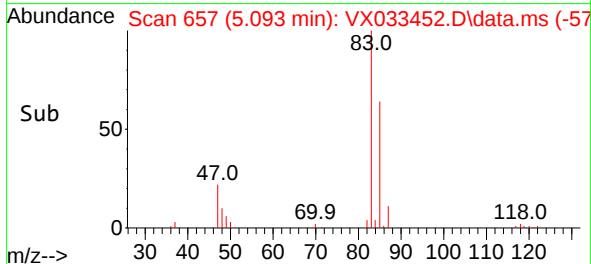
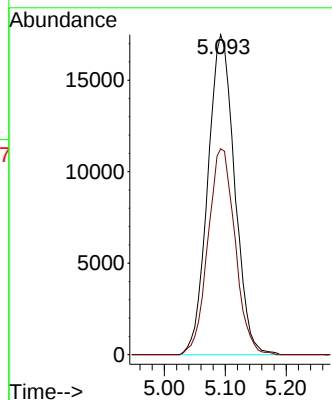
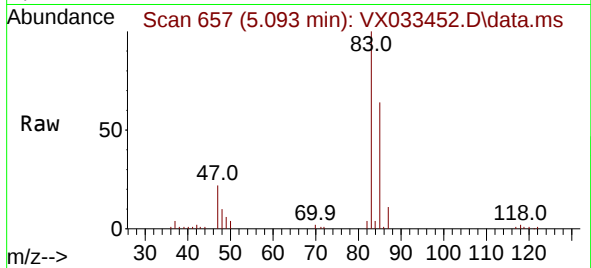
#25
Chloroform
Concen: 21.093 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 83 Resp: 53470
Ion Ratio Lower Upper
83 100
85 64.4 54.2 81.2

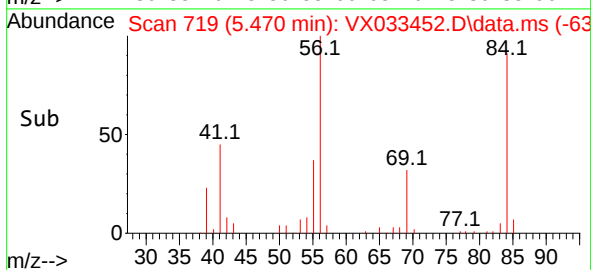
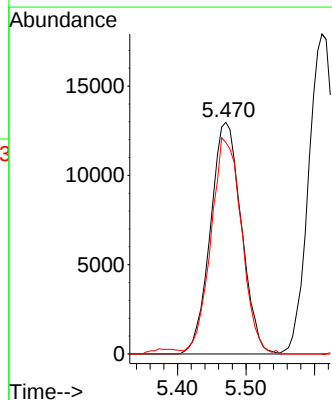
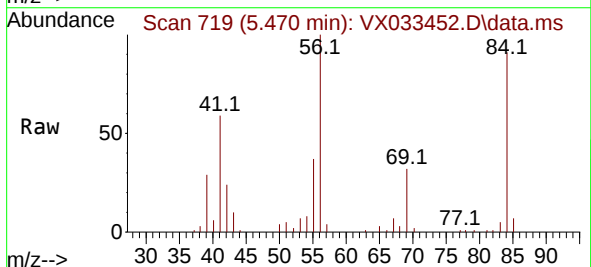
Manual Integrations
APPROVED

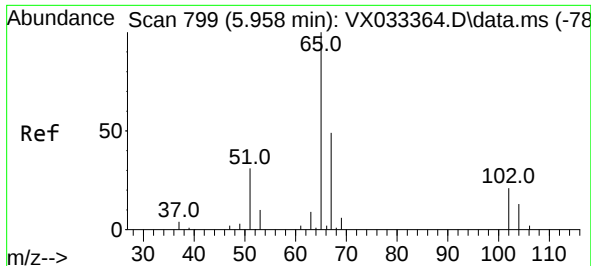
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#26
Cyclohexane
Concen: 20.891 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 56 Resp: 40704
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 92.1 74.7 112.1





#27

1,2-Dichloroethane-d4

Concen: 30.768 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

Tgt Ion: 65 Resp: 3428

Ion Ratio Lower Upper

65 100

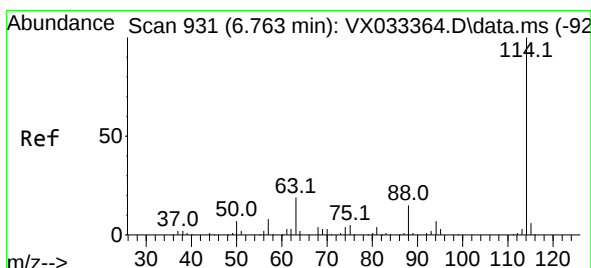
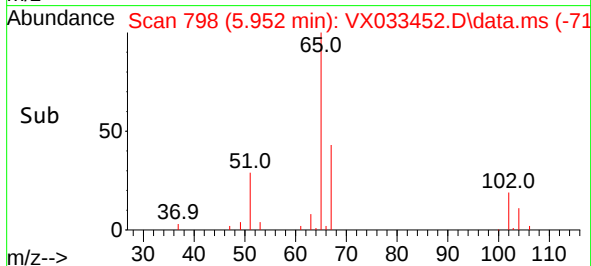
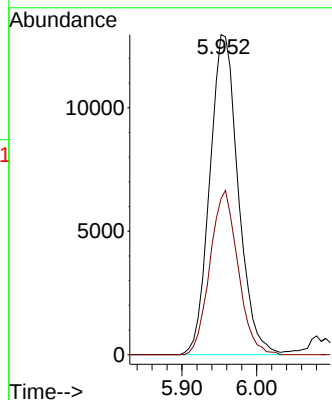
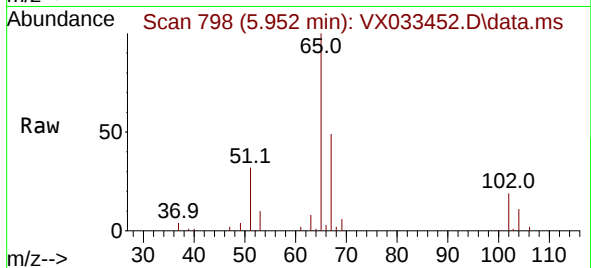
67 50.3 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

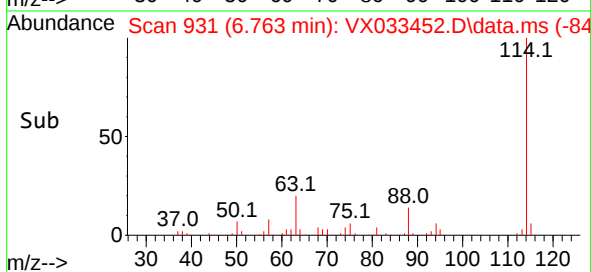
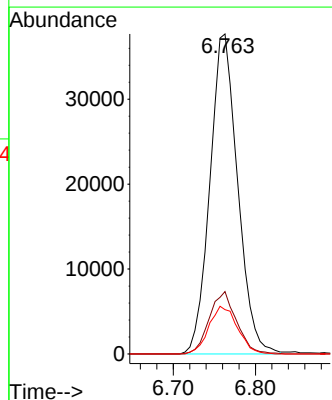
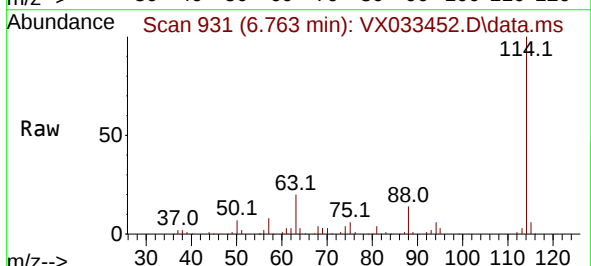
Tgt Ion:114 Resp: 88438

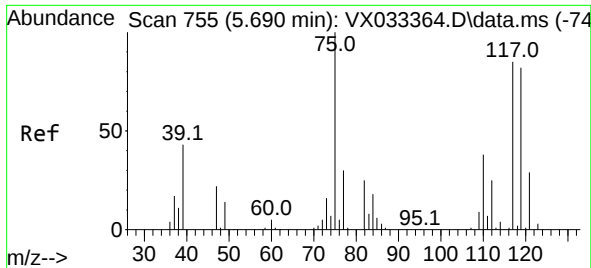
Ion Ratio Lower Upper

114 100

63 19.1 15.2 22.8

88 15.4 12.2 18.4





#29

1,1-Dichloropropene

Concen: 21.467 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

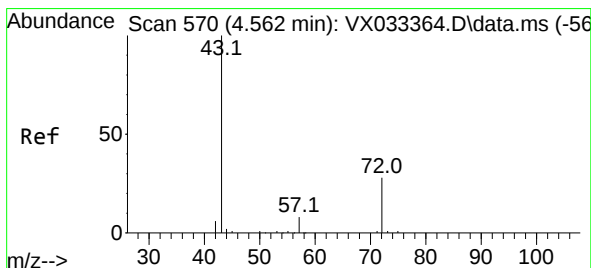
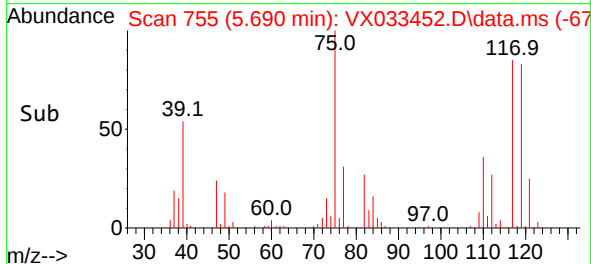
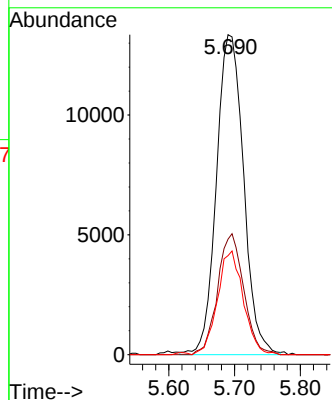
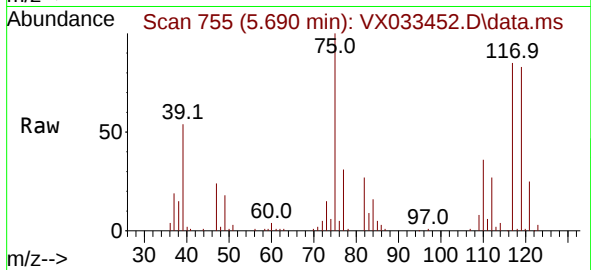
Tgt Ion: 75	Resp: 3837
Ion Ratio	Lower Upper
75 100	
110 36.3	0.0 73.6
77 30.8	0.0 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#30

2-Butanone

Concen: 108.960 ug/l

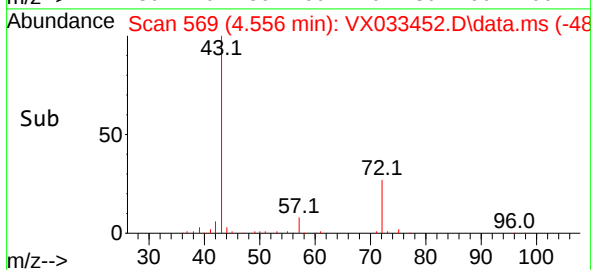
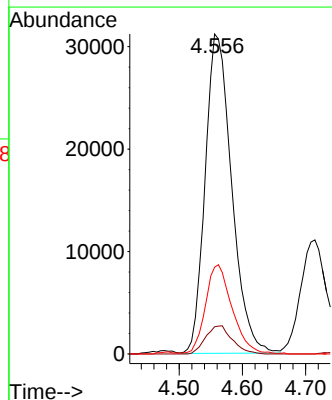
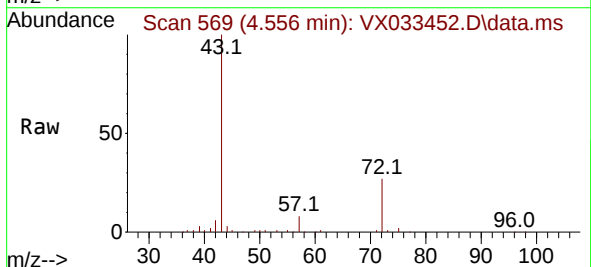
RT: 4.556 min Scan# 569

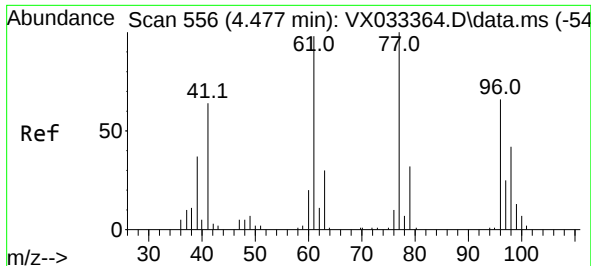
Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion: 43	Resp: 91041
Ion Ratio	Lower Upper
43 100	
57 8.8	6.6 9.8
72 27.8	22.5 33.7





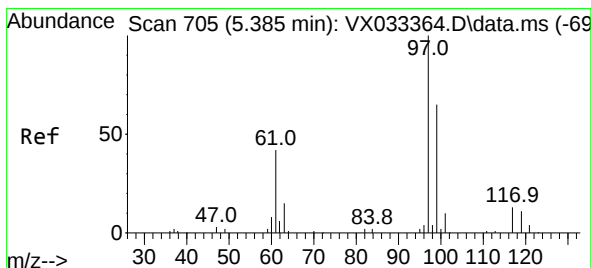
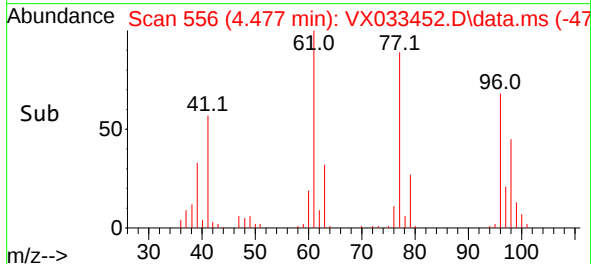
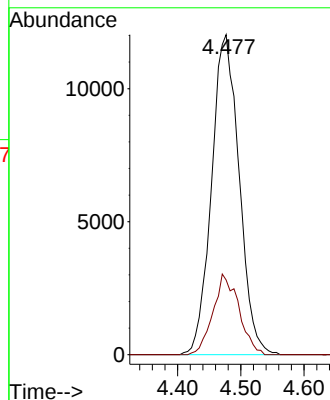
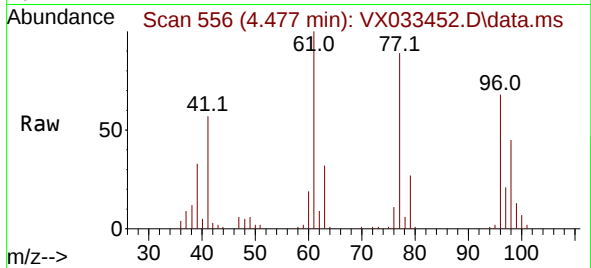
#31
2,2-Dichloropropane
Concen: 19.389 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 77 Resp: 3642
Ion Ratio Lower Upper
77 100
97 23.7 18.1 27.1

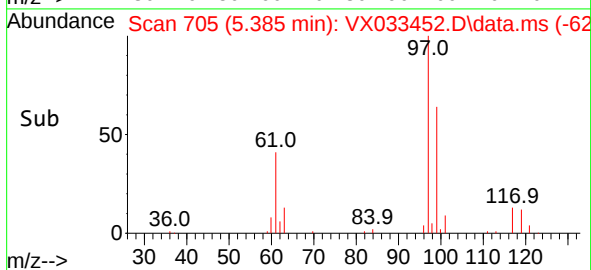
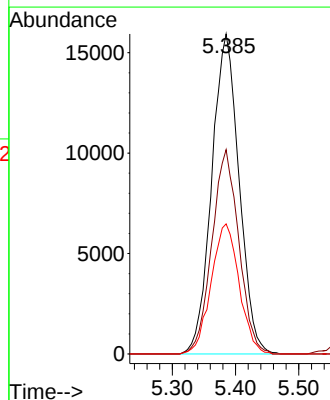
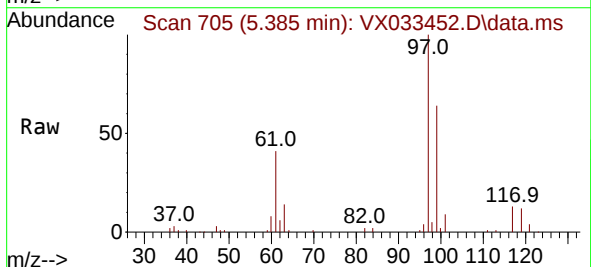
Manual Integrations
APPROVED

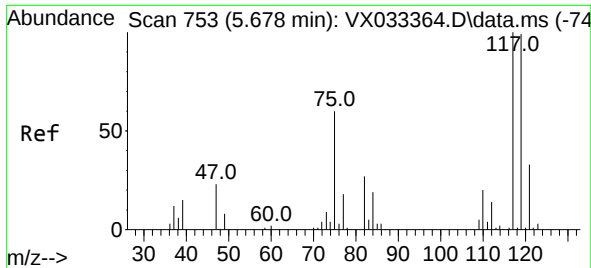
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#32
1,1,1-Trichloroethane
Concen: 20.699 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 97 Resp: 47761
Ion Ratio Lower Upper
97 100
99 63.0 51.0 76.4
61 41.7 34.3 51.5





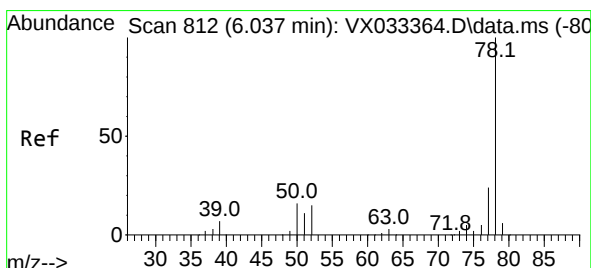
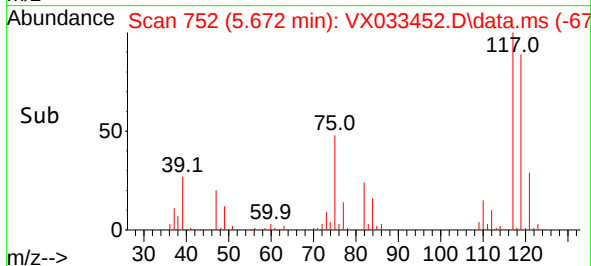
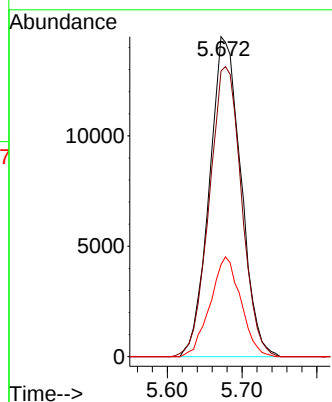
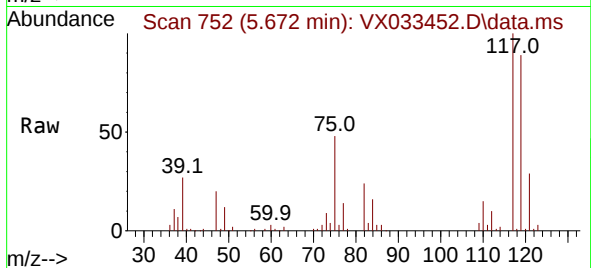
#33
Carbon Tetrachloride
Concen: 20.146 ug/l
RT: 5.672 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:117 Resp: 42500
Ion Ratio Lower Upper
117 100
119 89.3 79.5 119.3
121 28.8 26.2 39.2

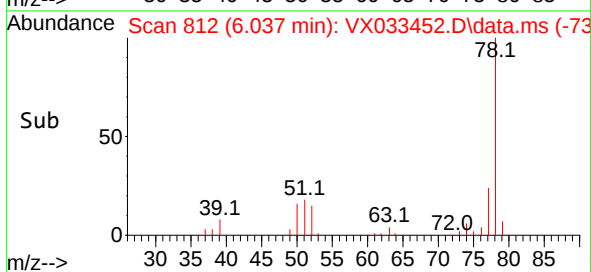
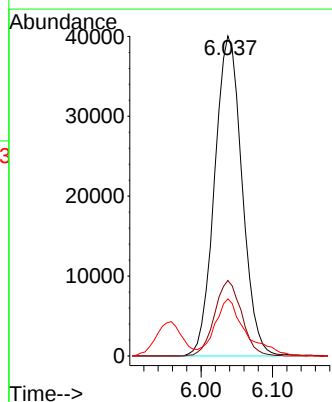
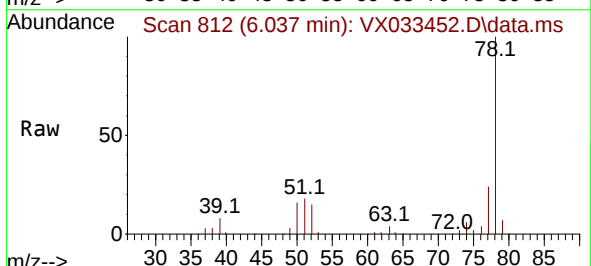
Manual Integrations
APPROVED

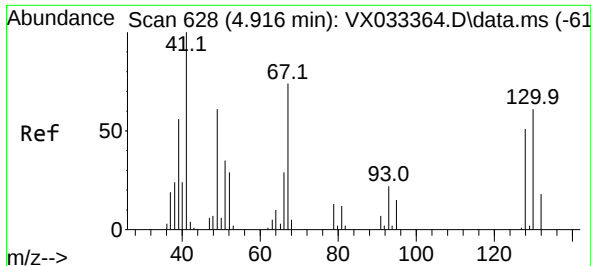
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#34
Benzene
Concen: 20.818 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

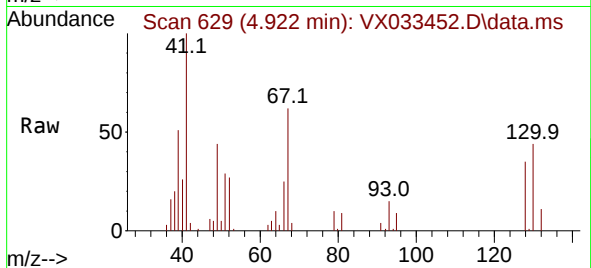
Tgt Ion: 78 Resp: 106634
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8
51 16.8 12.6 18.8





#35
Methacrylonitrile
Concen: 21.635 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

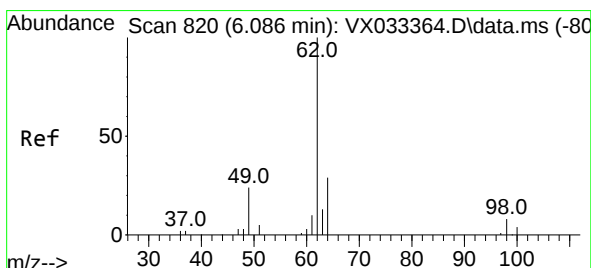
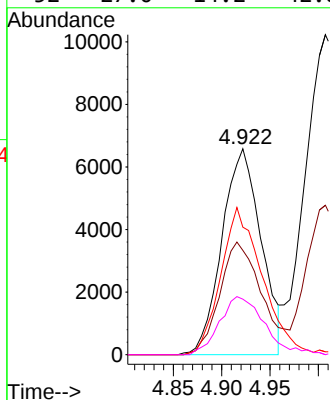
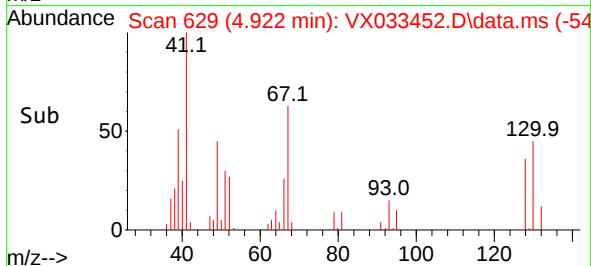
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 41 Resp: 18520
Ion Ratio Lower Upper
41 100
39 50.7 27.8 83.3
67 62.0 37.0 110.9
52 27.0 14.2 42.8

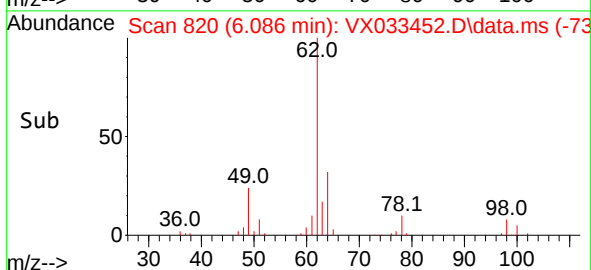
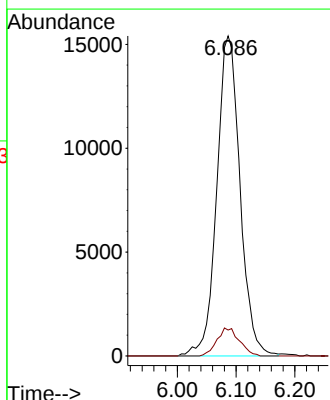
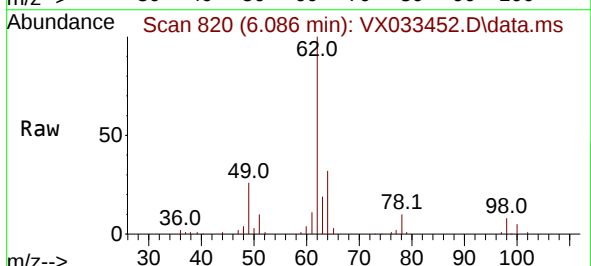
Manual Integrations
APPROVED

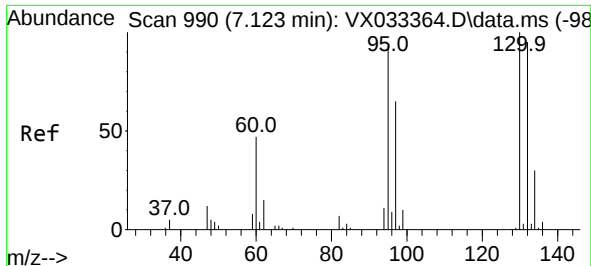
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#36
1,2-Dichloroethane
Concen: 21.497 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

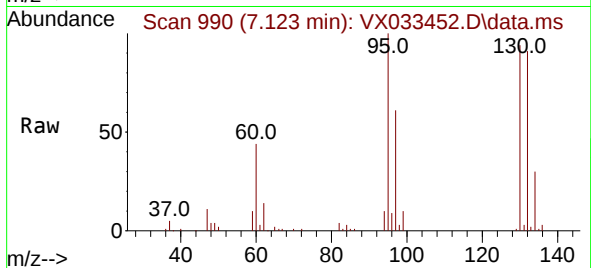
Tgt Ion: 62 Resp: 42326
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6





#37
Trichloroethene
Concen: 20.973 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

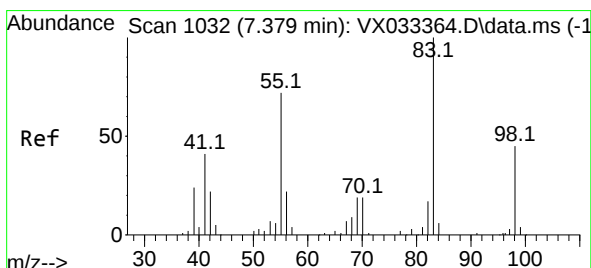
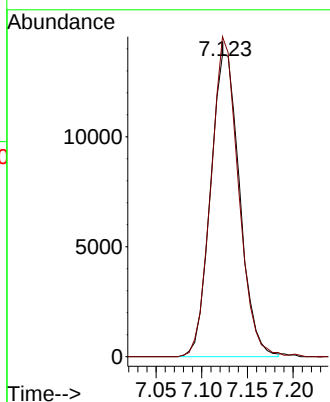
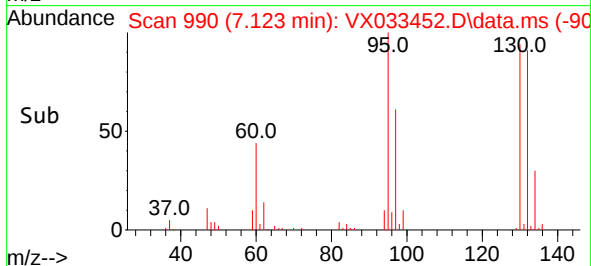
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



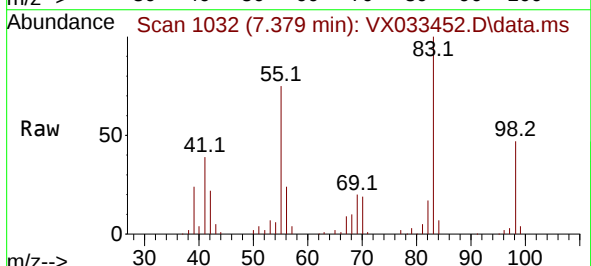
Tgt Ion:130 Resp: 3050
Ion Ratio Lower Upper
130 100
95 105.9 74.6 112.0

Manual Integrations
APPROVED

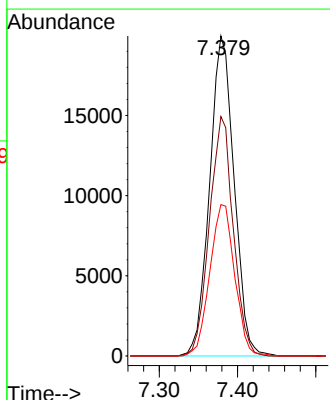
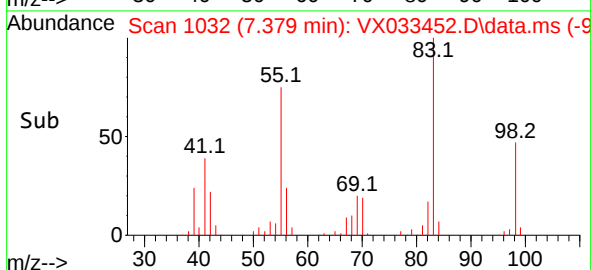
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

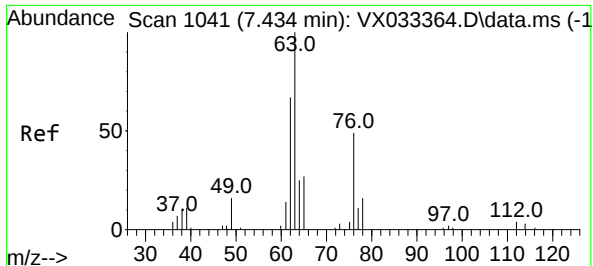


#38
Methylcyclohexane
Concen: 20.607 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



Tgt Ion: 83 Resp: 43401
Ion Ratio Lower Upper
83 100
55 72.8 36.2 108.6
98 48.0 23.4 70.2





#39

1,2-Dichloropropane

Concen: 21.296 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

Tgt Ion: 63 Resp: 27200

Ion Ratio Lower Upper

63 100

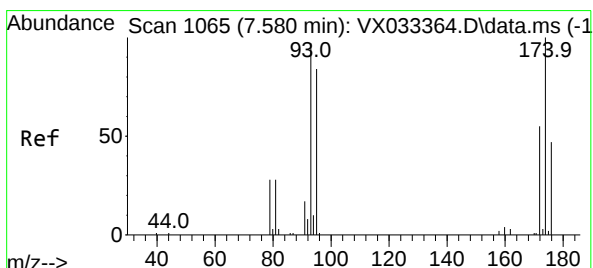
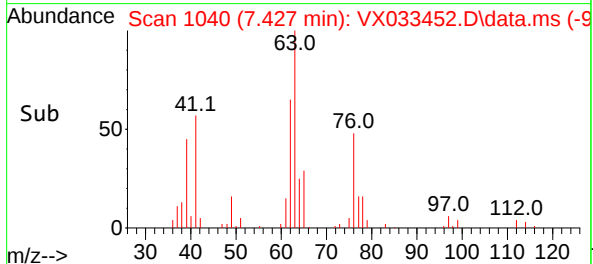
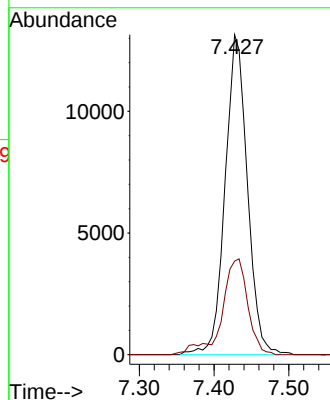
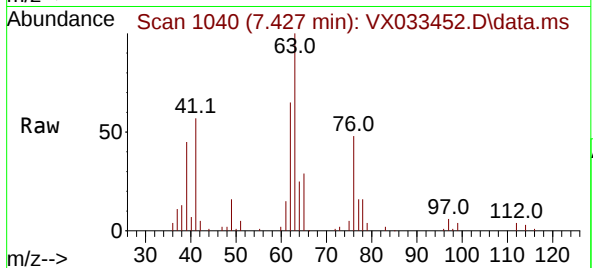
65 29.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#40

Dibromomethane

Concen: 20.432 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

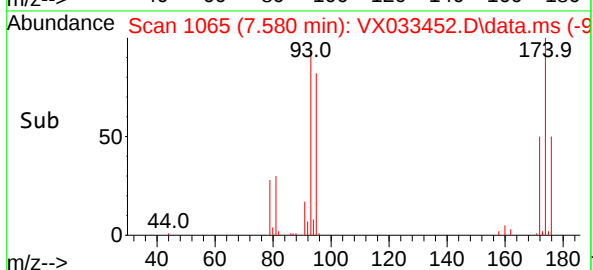
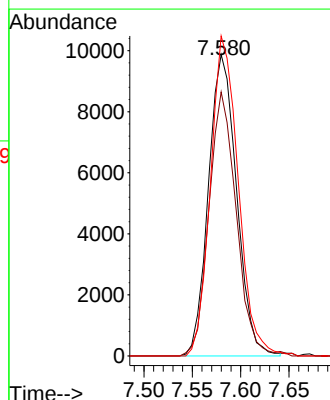
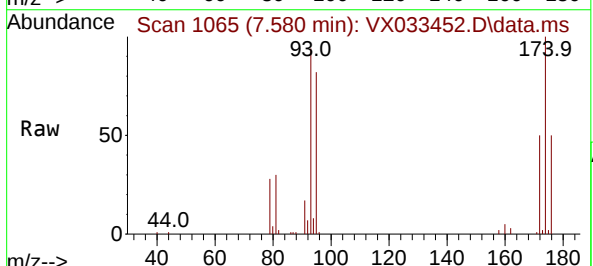
Tgt Ion: 93 Resp: 19968

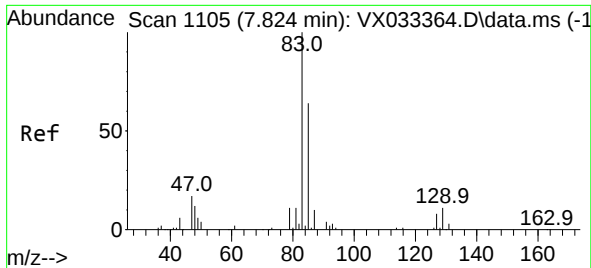
Ion Ratio Lower Upper

93 100

95 84.7 0.0 170.2

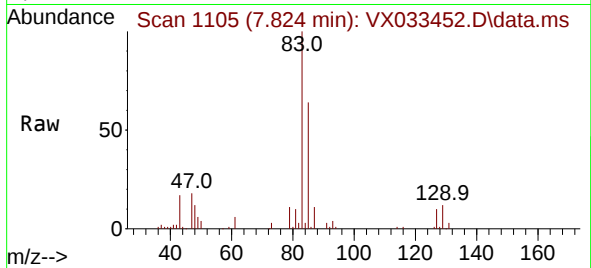
174 104.7 0.0 206.8





#41
Bromodichloromethane
Concen: 20.146 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

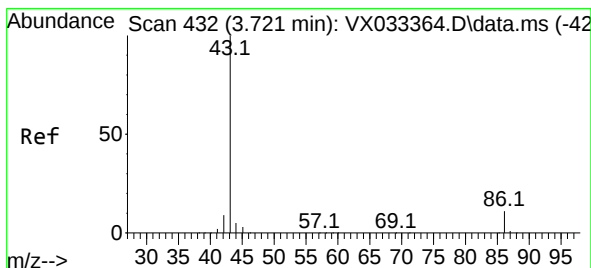
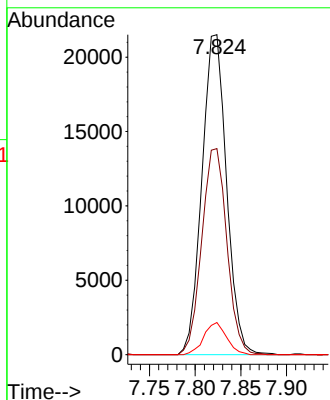
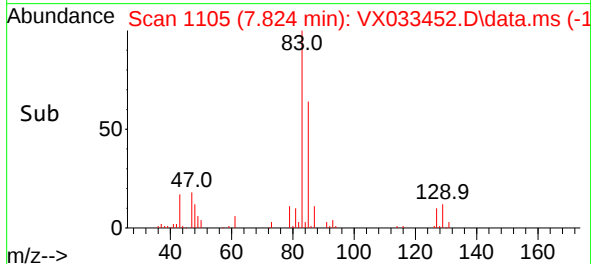
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 83 Resp: 40345
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3
127 10.0 6.8 10.2

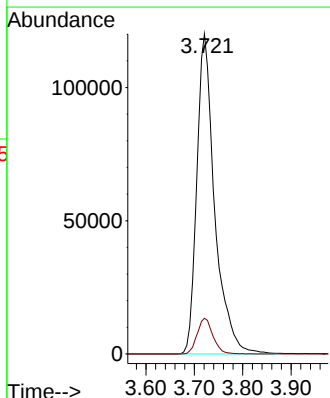
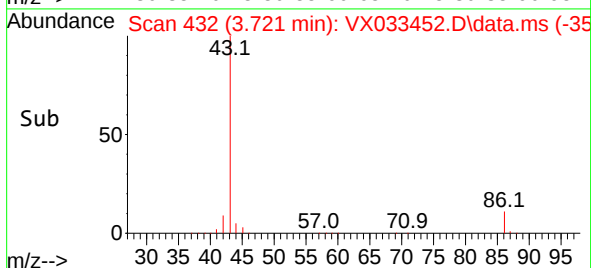
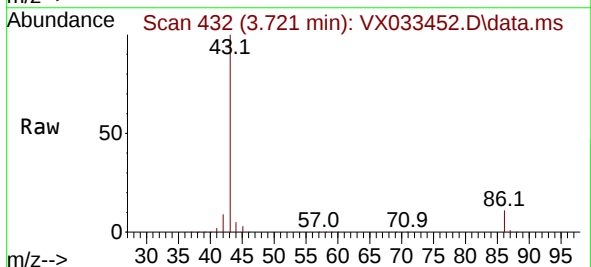
Manual Integrations
APPROVED

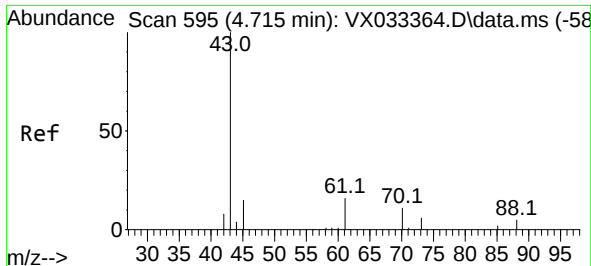
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#42
Vinyl Acetate
Concen: 106.666 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 43 Resp: 308562
Ion Ratio Lower Upper
43 100
86 9.8 7.8 11.8





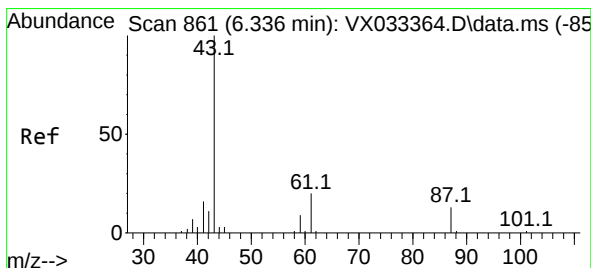
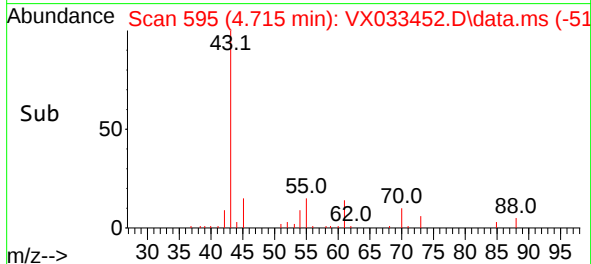
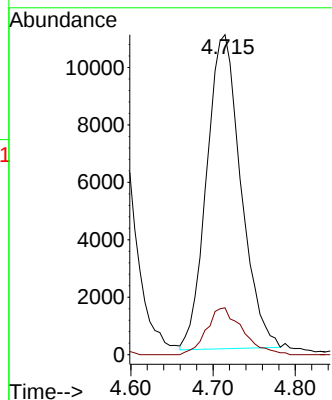
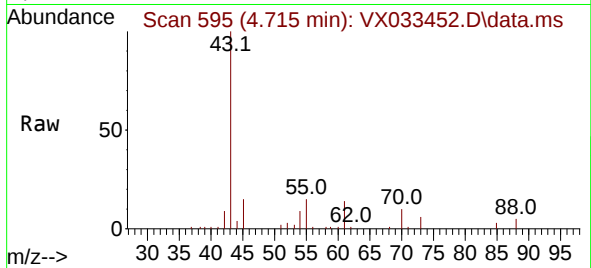
#43
Ethyl Acetate
Concen: 21.081 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
45 15.7 12.0 18.0

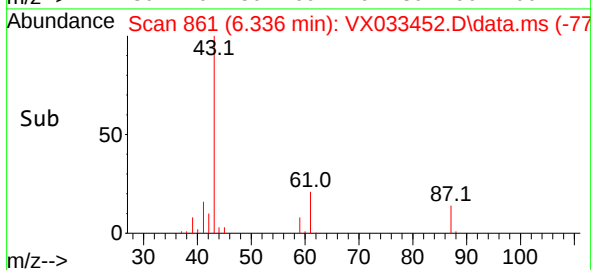
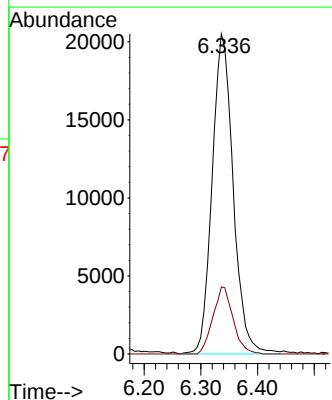
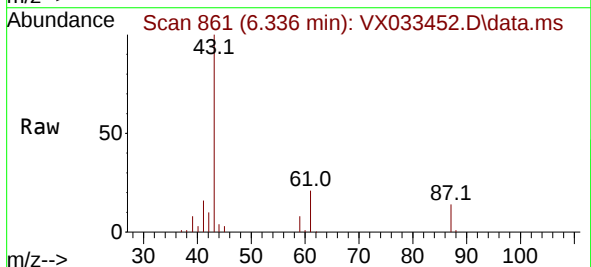
Manual Integrations
APPROVED

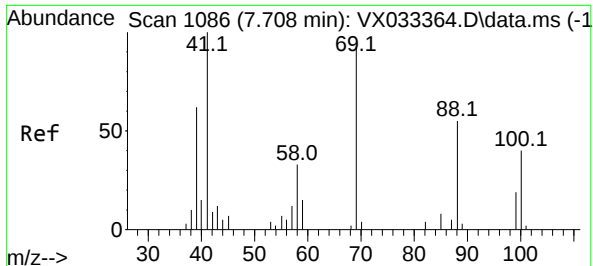
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#44
Isopropyl Acetate
Concen: 20.748 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 43 Resp: 52915
Ion Ratio Lower Upper
43 100
61 20.0 15.7 23.5





#45

1,4-Dioxane

Concen: 457.829 ug/l m

RT: 7.696 min Scan# 1084

Delta R.T. -0.012 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

Tgt Ion: 88 Resp: 13670

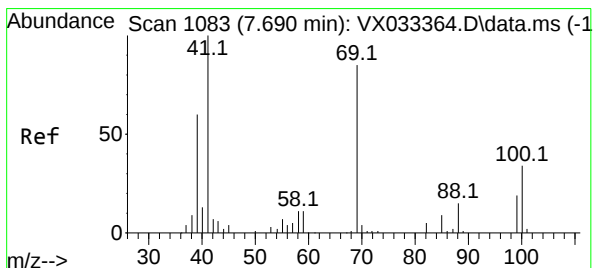
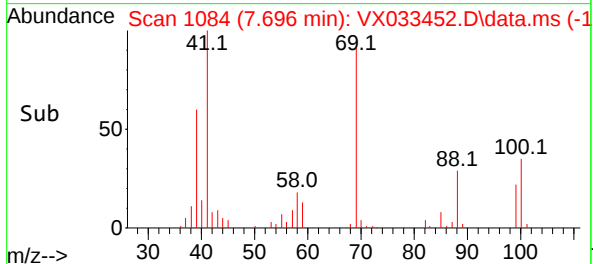
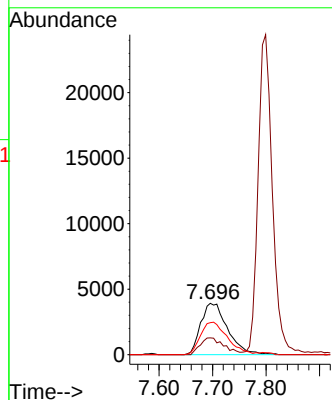
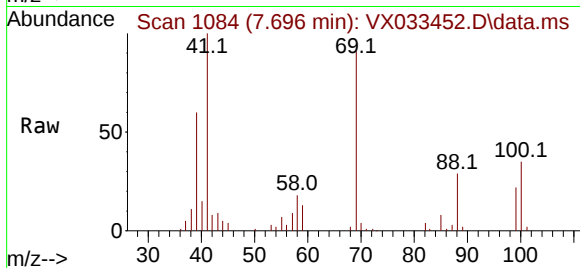
Ion	Ratio	Lower	Upper
88	100		
43	26.7	12.4	18.6
58	63.1	51.1	76.7

Manual Integrations

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Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#46

Methyl methacrylate

Concen: 21.486 ug/l

RT: 7.690 min Scan# 1083

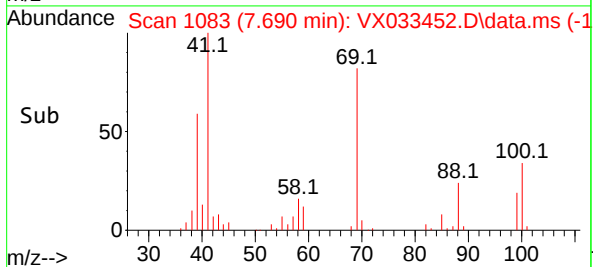
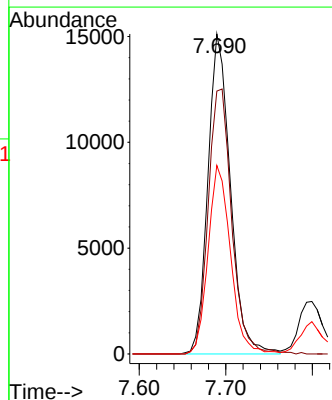
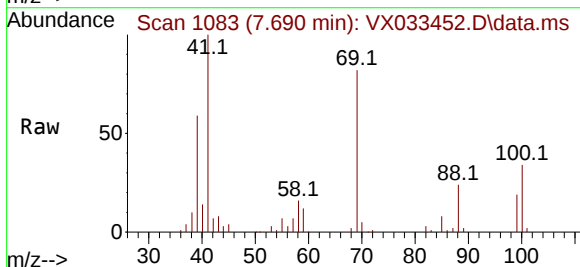
Delta R.T. 0.000 min

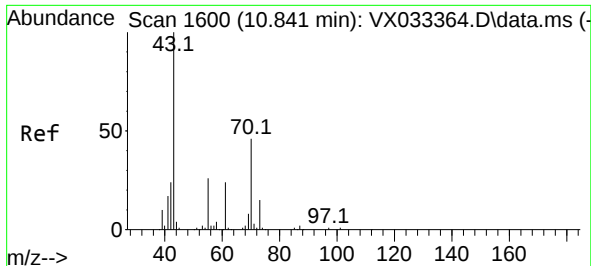
Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion: 41 Resp: 27295

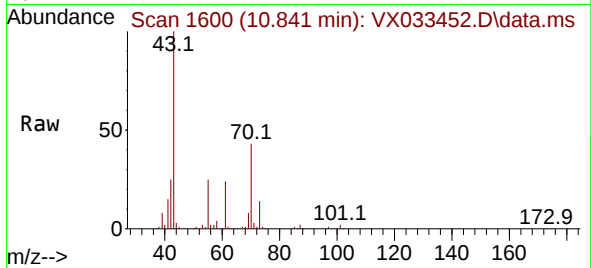
Ion	Ratio	Lower	Upper
41	100		
69	82.2	42.3	126.9
39	58.9	30.1	90.5





#47
n-amyl Acetate
Concen: 21.631 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

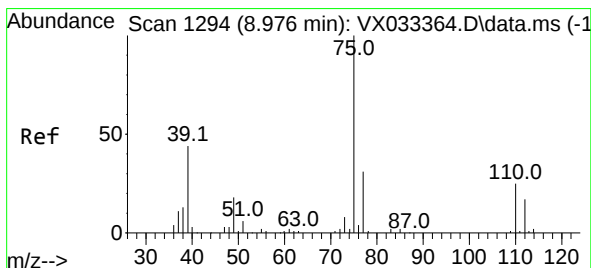
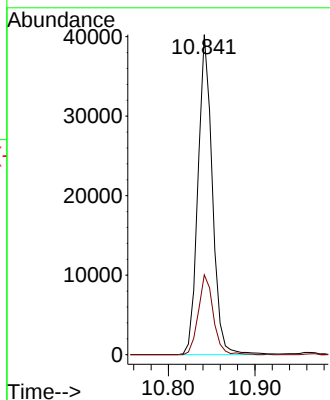
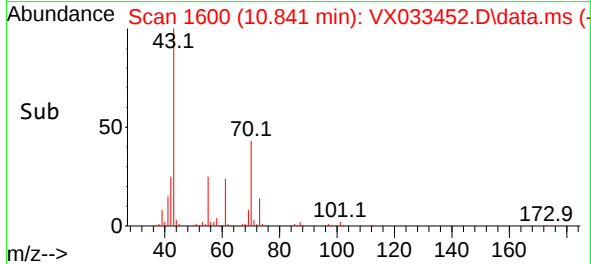
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 43 Resp: 4629
Ion Ratio Lower Upper
43 100
55 25.6 20.6 30.8

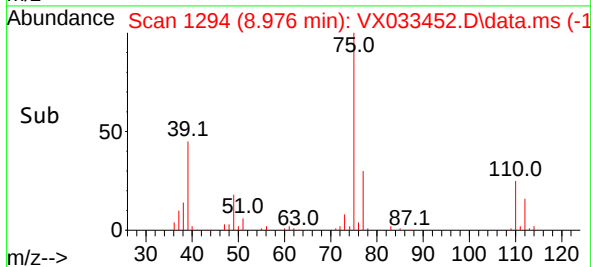
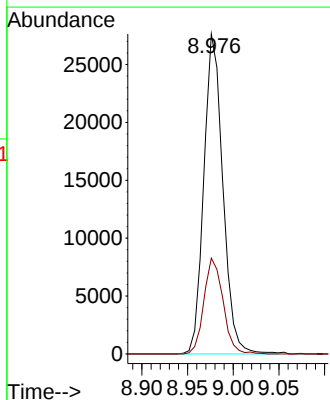
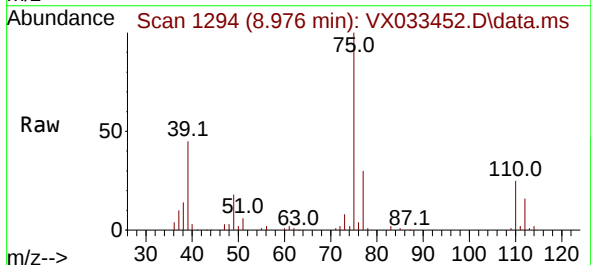
Manual Integrations
APPROVED

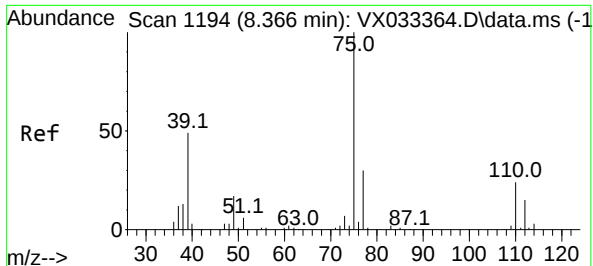
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#48
t-1,3-Dichloropropene
Concen: 19.903 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 75 Resp: 39981
Ion Ratio Lower Upper
75 100
77 29.9 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 20.027 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

Tgt Ion: 75 Resp: 43179

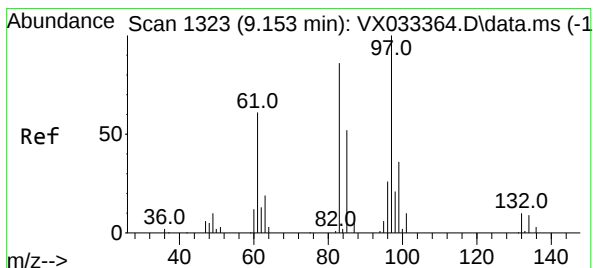
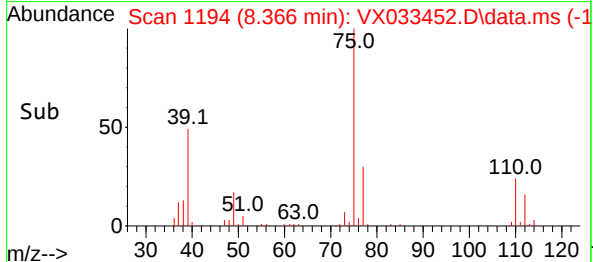
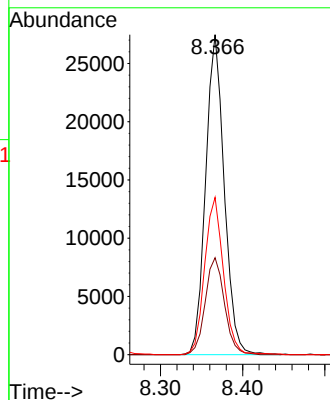
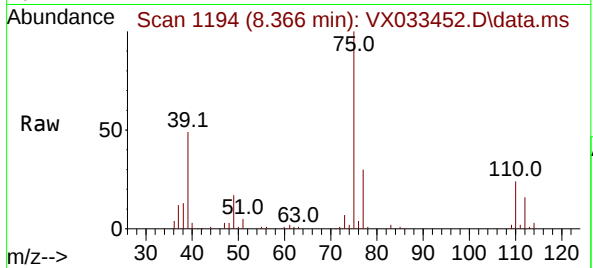
Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.2	36.4
39	49.2	39.3	58.9

Manual Integrations

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Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#50

1,1,2-Trichloroethane

Concen: 21.812 ug/l

RT: 9.153 min Scan# 1323

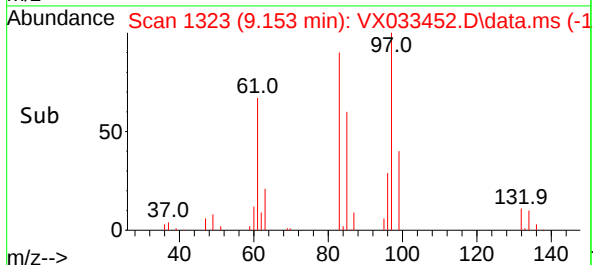
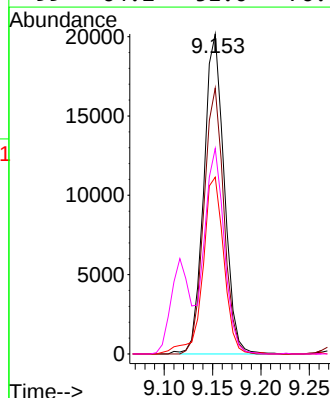
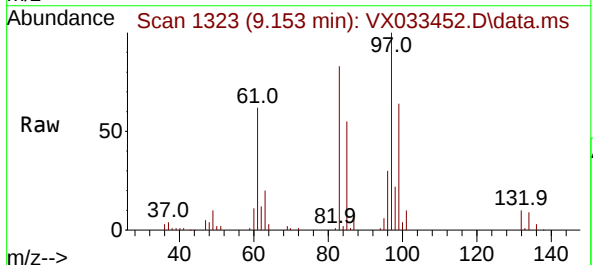
Delta R.T. 0.000 min

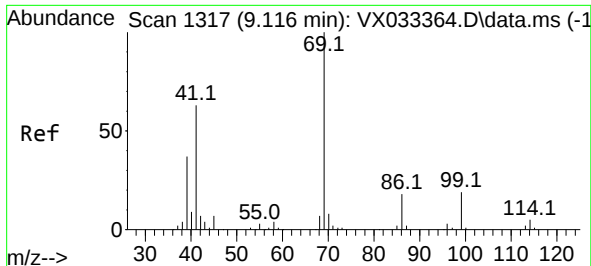
Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion: 97 Resp: 29478

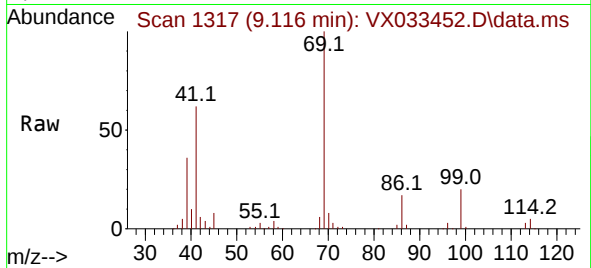
Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.1	102.1
85	55.2	43.8	65.6
99	64.2	51.0	76.6





#51
Ethyl methacrylate
Concen: 21.124 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

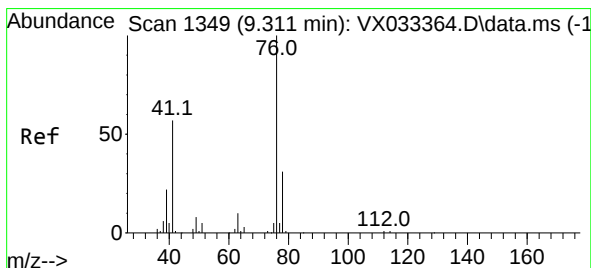
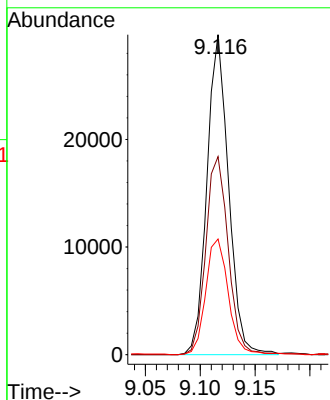
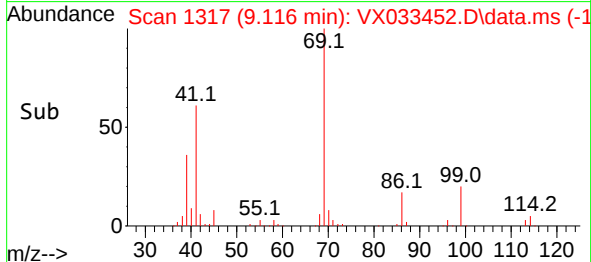
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 69 Resp: 4079
Ion Ratio Lower Upper
69 100
41 61.9 31.4 94.2
39 36.2 18.4 55.2

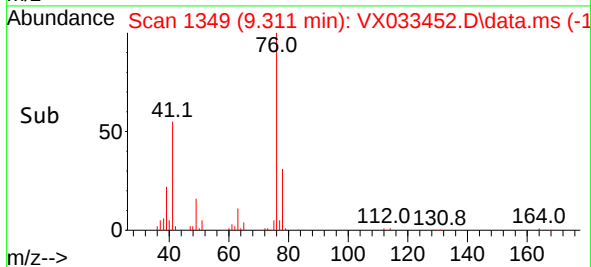
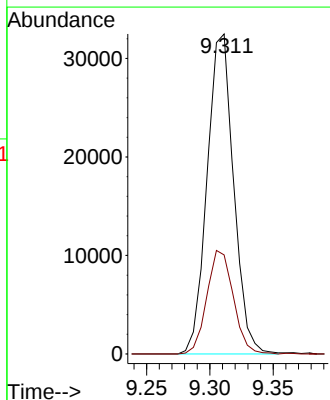
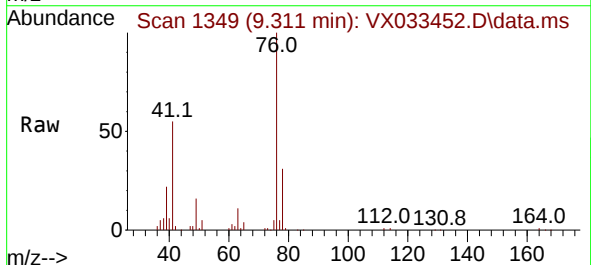
Manual Integrations
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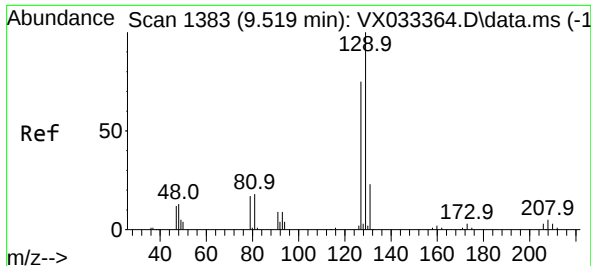
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#52
1,3-Dichloropropane
Concen: 21.461 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 76 Resp: 47362
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.4





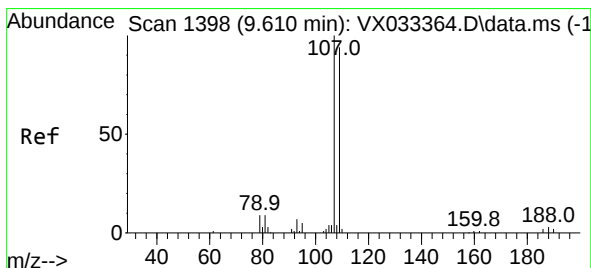
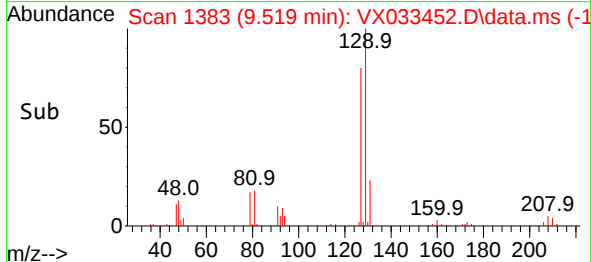
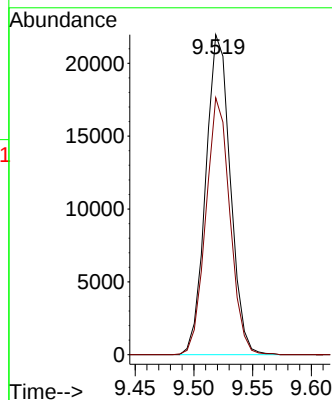
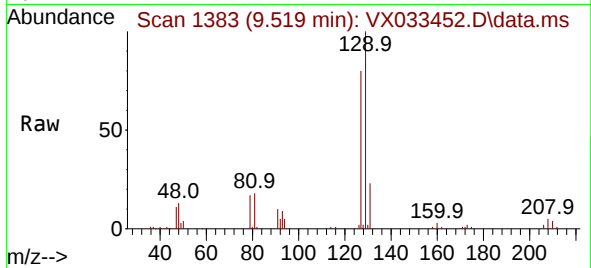
#53
Dibromochloromethane
Concen: 19.680 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:129 Resp: 31963
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.3

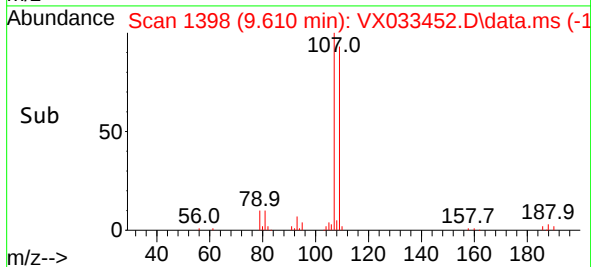
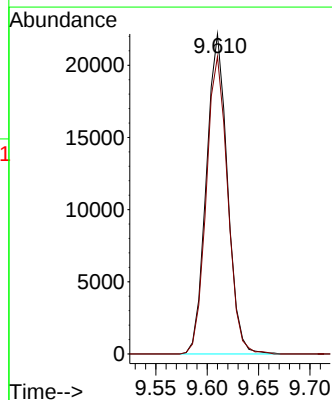
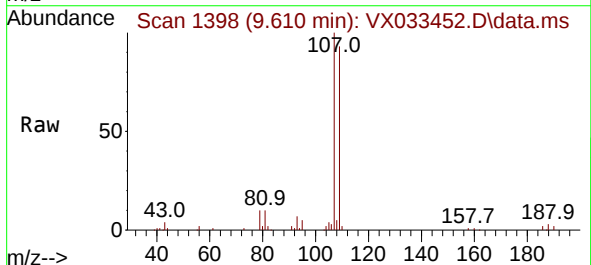
Manual Integrations
APPROVED

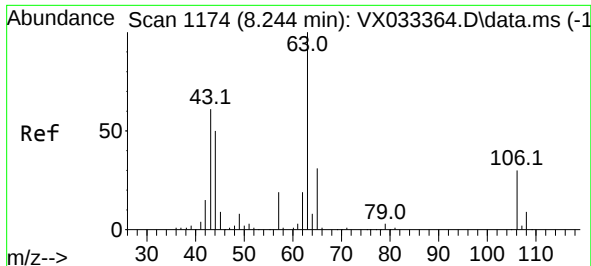
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#54
1,2-Dibromoethane
Concen: 21.404 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion:107 Resp: 31663
Ion Ratio Lower Upper
107 100
109 93.7 74.2 111.2





#55

2-Chloroethyl vinyl ether

Concen: 100.219 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

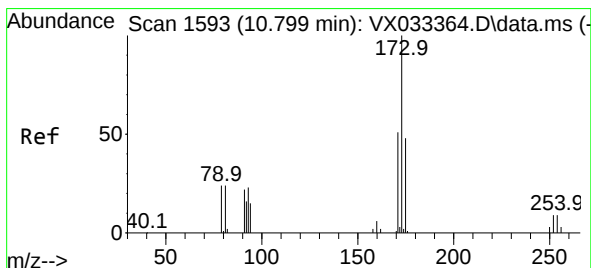
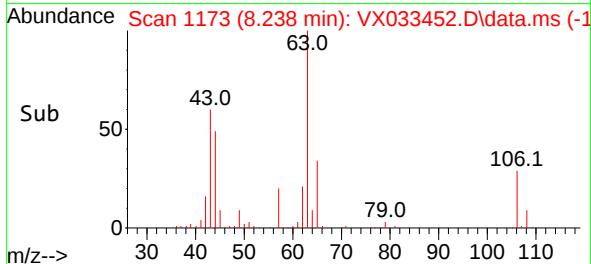
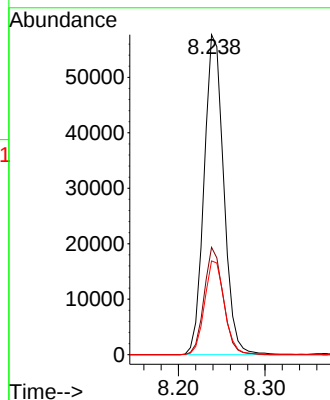
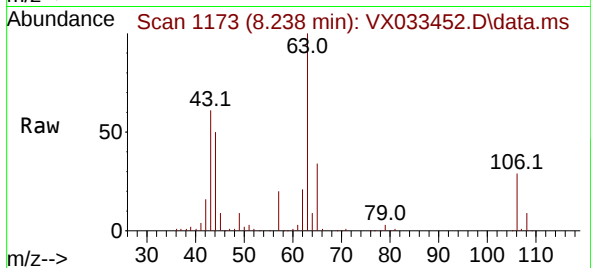
Tgt Ion:	63	Resp:	9086
Ion Ratio	Lower	Upper	
63	100		
65	32.5	25.8	38.8
106	29.7	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#56

Bromoform

Concen: 19.462 ug/l

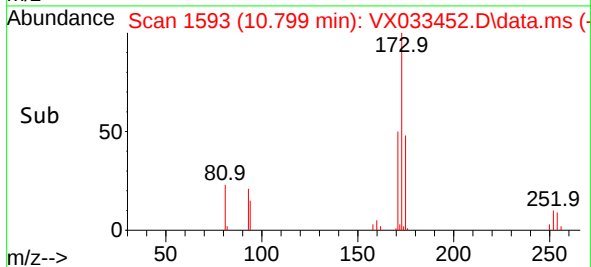
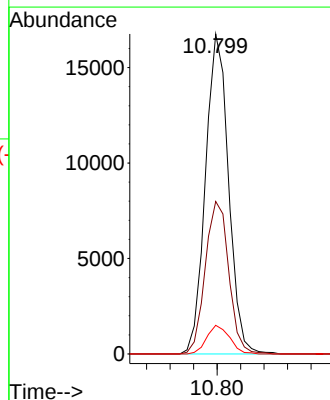
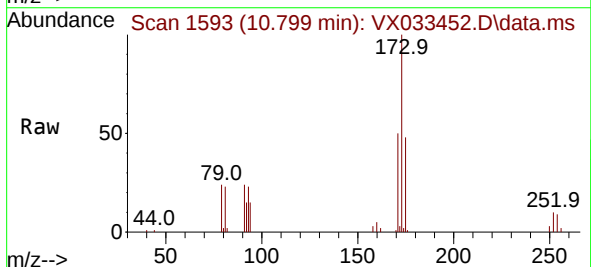
RT: 10.799 min Scan# 1593

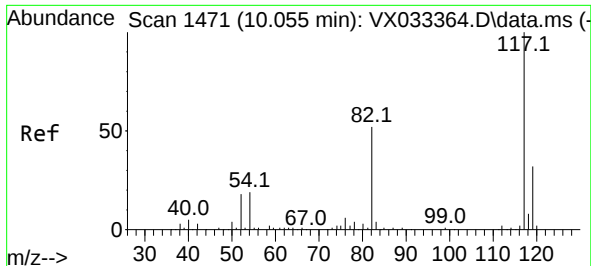
Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion:	173	Resp:	22816
Ion Ratio	Lower	Upper	
173	100		
175	48.5	39.6	59.4
254	8.9	7.1	10.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

Tgt Ion: 117 Resp: 10002

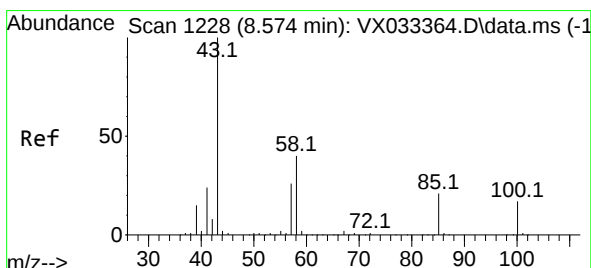
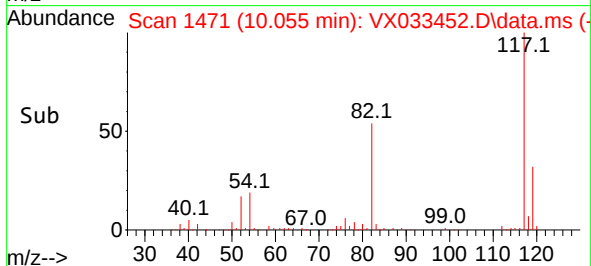
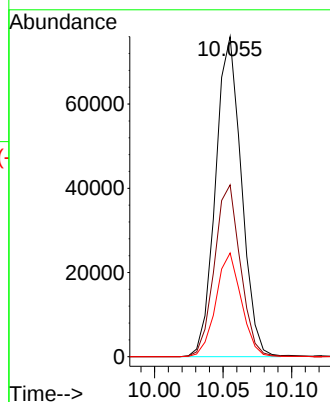
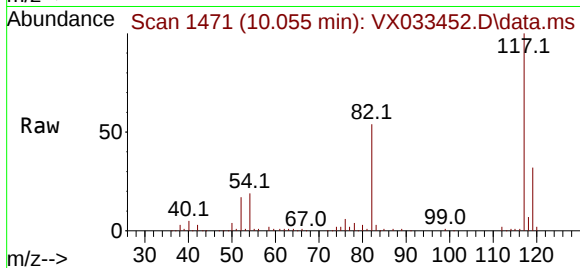
Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	31.8	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#58

4-Methyl-2-Pentanone

Concen: 108.482 ug/l

RT: 8.574 min Scan# 1228

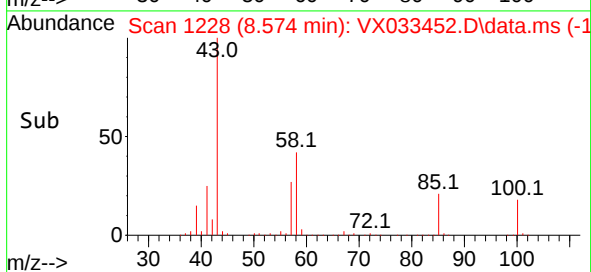
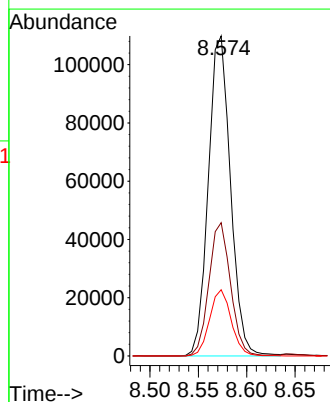
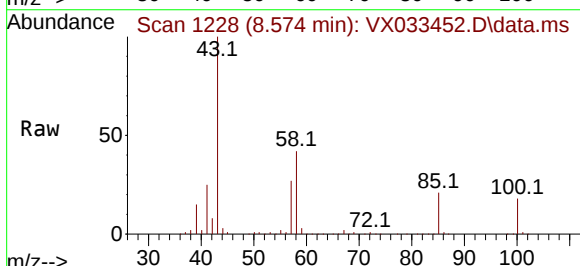
Delta R.T. 0.000 min

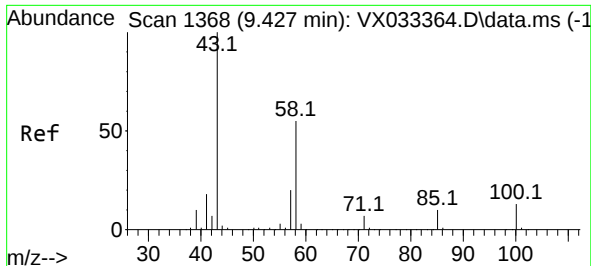
Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion: 43 Resp: 175463

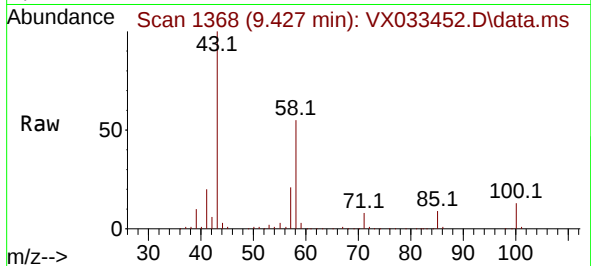
Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.3	48.5
85	20.3	16.6	24.8





#59
2-Hexanone
Concen: 110.178 ug/l
RT: 9.427 min Scan# 13627
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

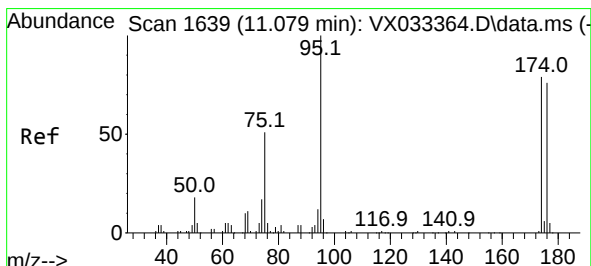
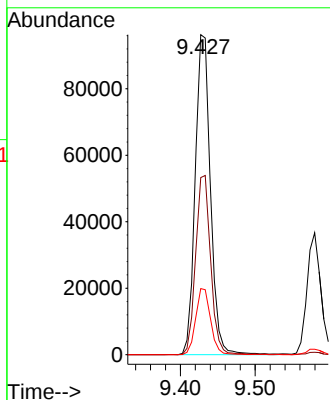
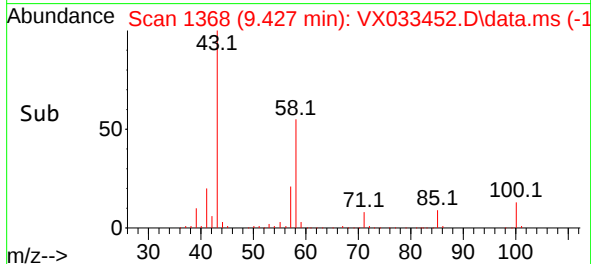
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



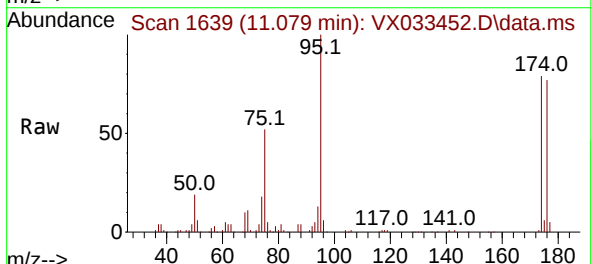
Tgt Ion: 43 Resp: 13627
Ion Ratio Lower Upper
43 100
58 55.0 44.4 66.6
57 20.1 16.2 24.2

Manual Integrations
APPROVED

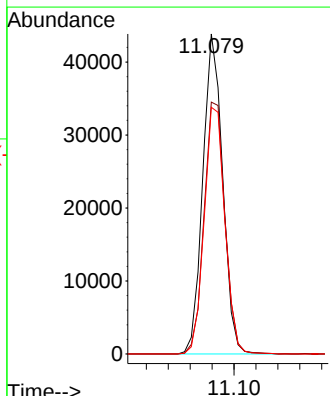
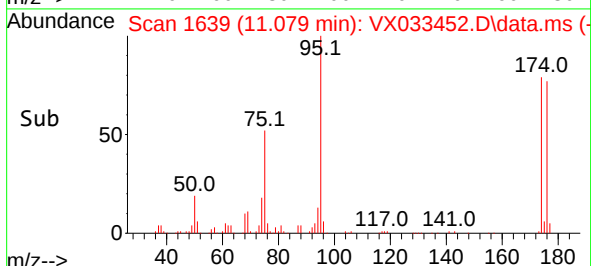
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

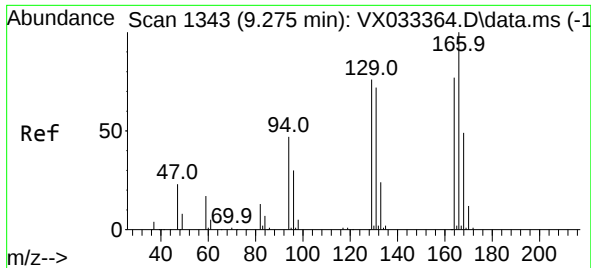


#60
4-Bromofluorobenzene
Concen: 29.728 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



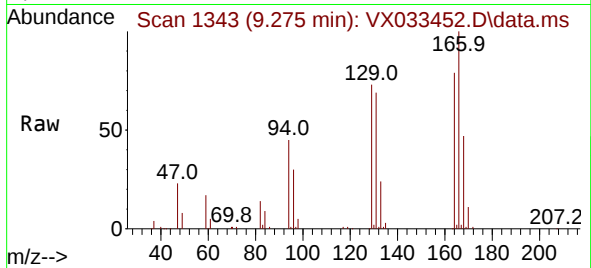
Tgt Ion: 95 Resp: 55071
Ion Ratio Lower Upper
95 100
174 82.9 65.9 98.9
176 80.5 63.3 94.9





#61
Tetrachloroethene
Concen: 20.807 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

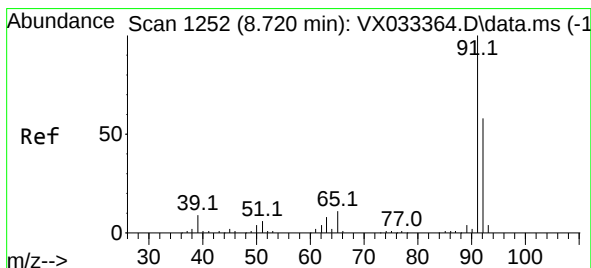
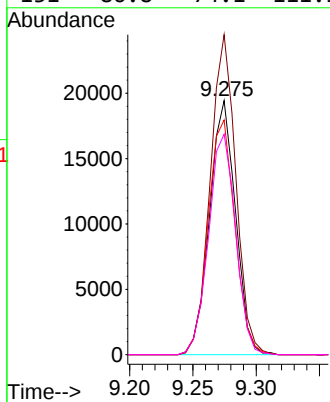
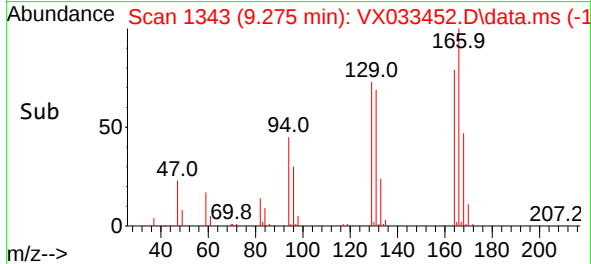
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



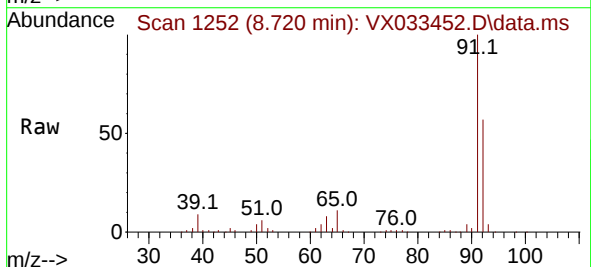
Tgt Ion:164 Resp: 2786
Ion Ratio Lower Upper
164 100
166 126.0 103.3 154.9
129 92.4 78.3 117.5
131 86.8 74.1 111.1

Manual Integrations
APPROVED

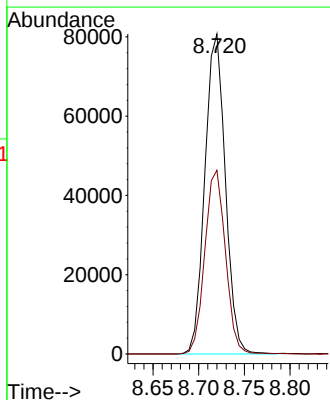
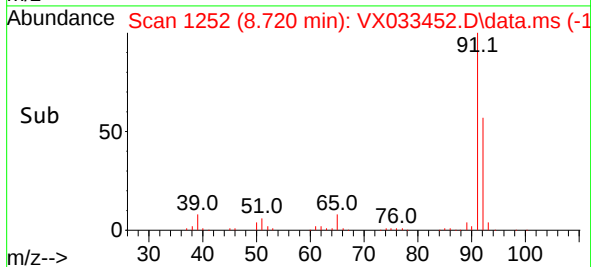
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

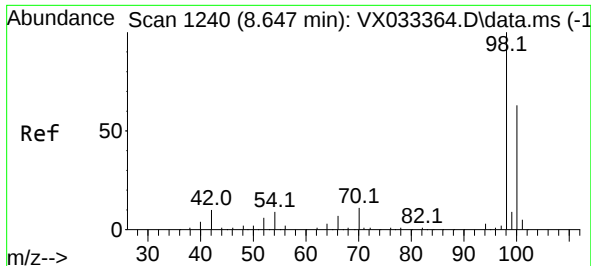


#62
Toluene
Concen: 20.690 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



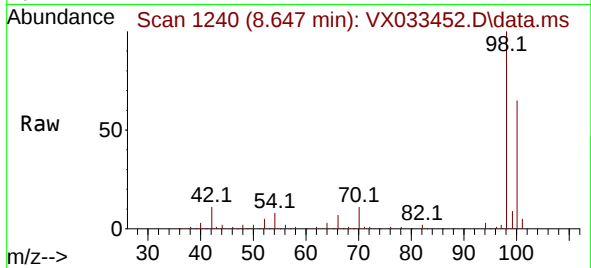
Tgt Ion: 91 Resp: 125614
Ion Ratio Lower Upper
91 100
92 57.7 46.2 69.2





#63
Toluene-d8
Concen: 29.617 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

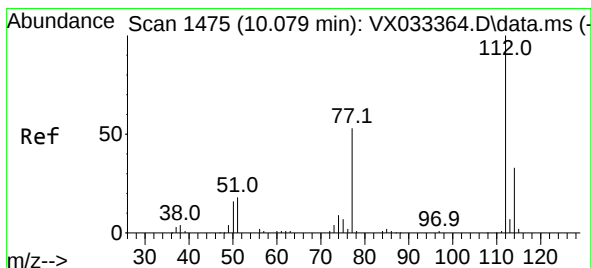
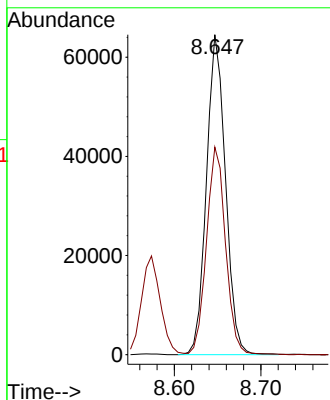
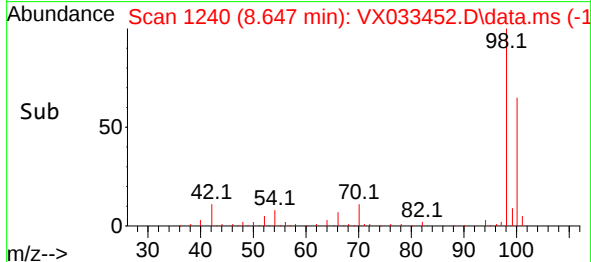
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion: 98 Resp: 9854
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2

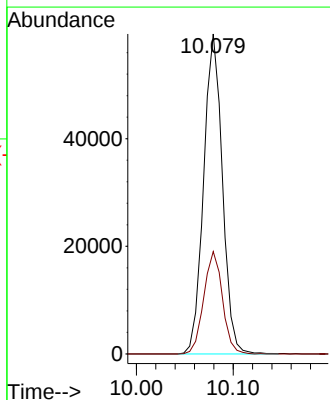
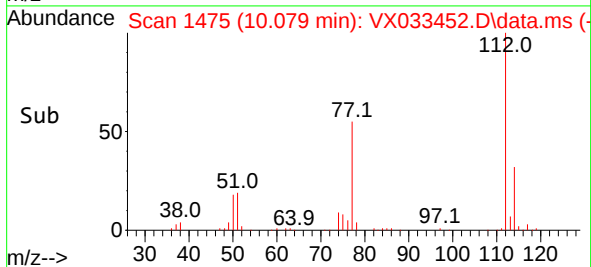
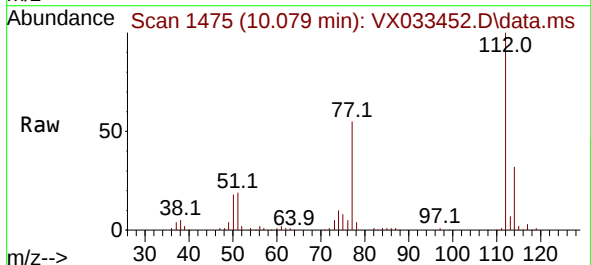
Manual Integrations
APPROVED

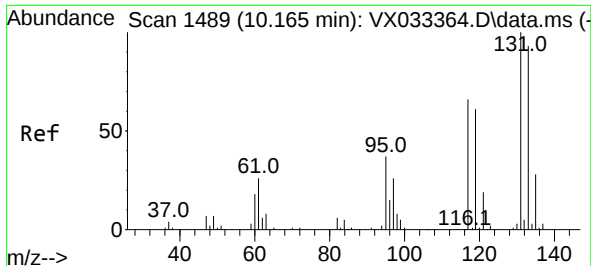
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#64
Chlorobenzene
Concen: 20.888 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion:112 Resp: 80222
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2





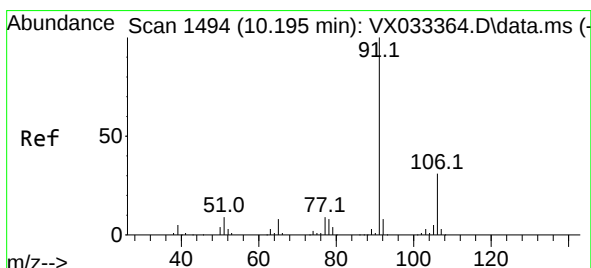
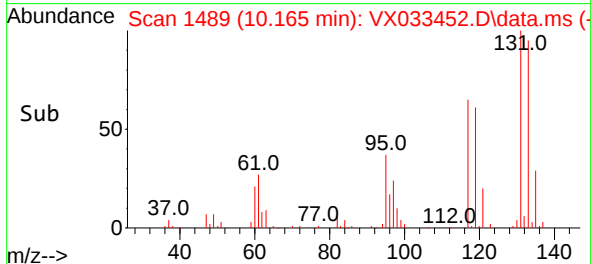
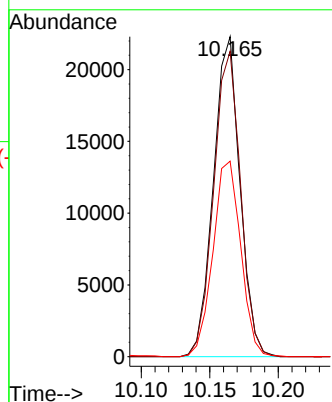
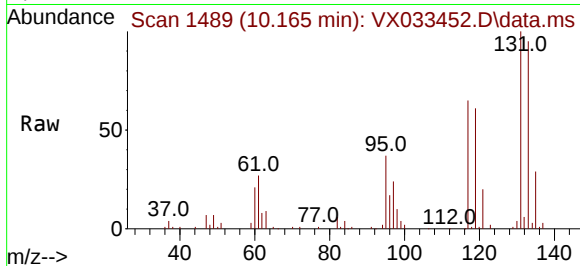
#65
1,1,1,2-Tetrachloroethane
Concen: 19.824 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:131 Resp: 3006
Ion Ratio Lower Upper
131 100
133 96.5 0.0 187.6
119 64.1 0.0 124.2

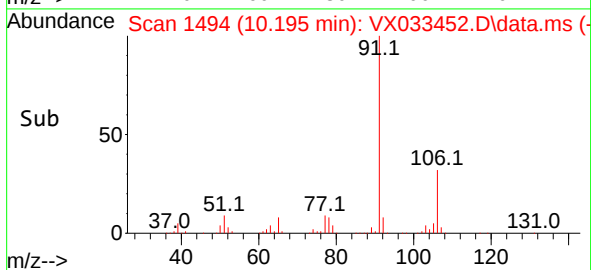
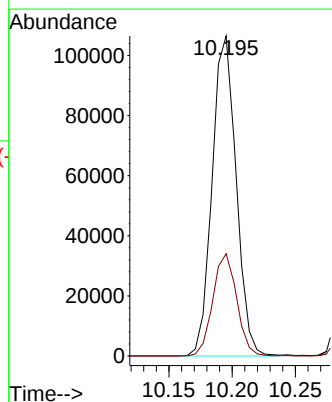
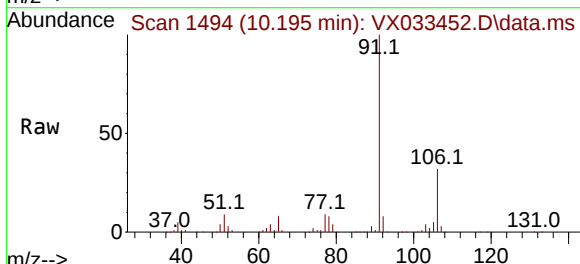
Manual Integrations
APPROVED

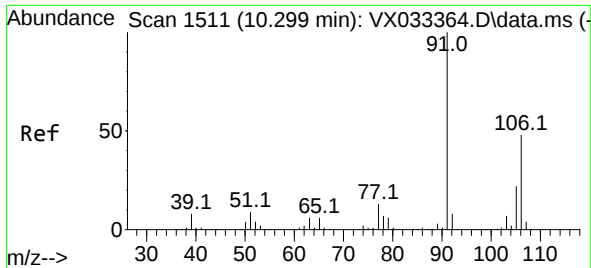
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#66
Ethyl Benzene
Concen: 20.536 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 91 Resp: 140489
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2





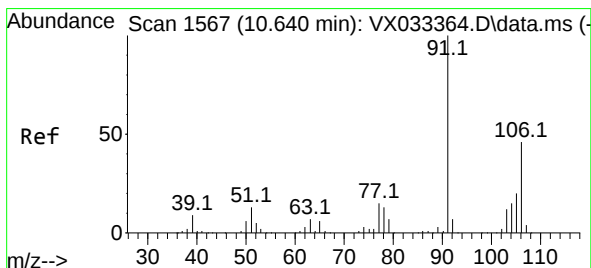
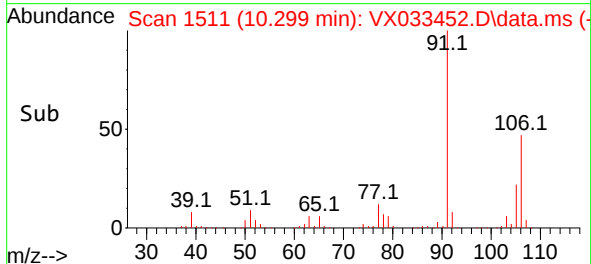
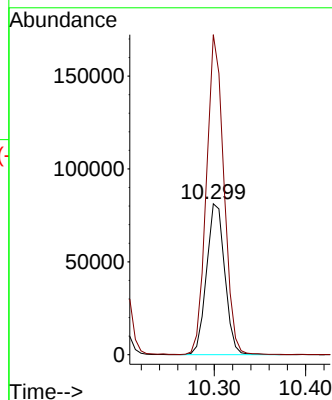
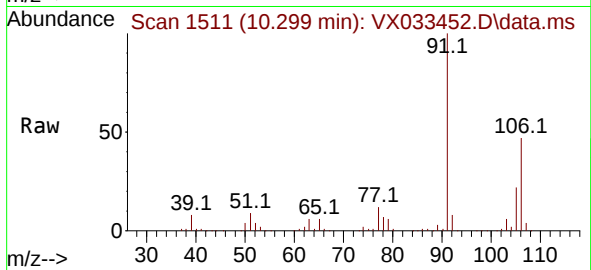
#67
m/p-Xylenes
Concen: 41.988 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:106 Resp: 112278
Ion Ratio Lower Upper
106 100
91 202.9 165.4 248.2

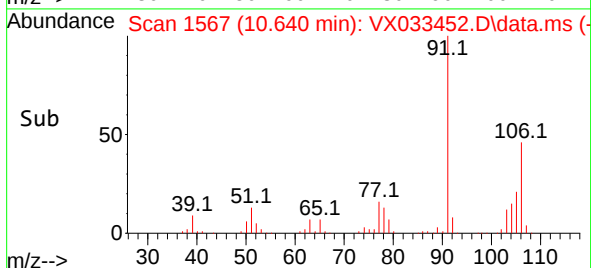
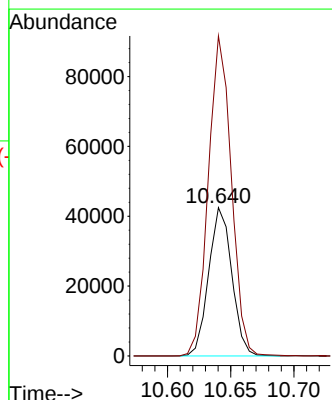
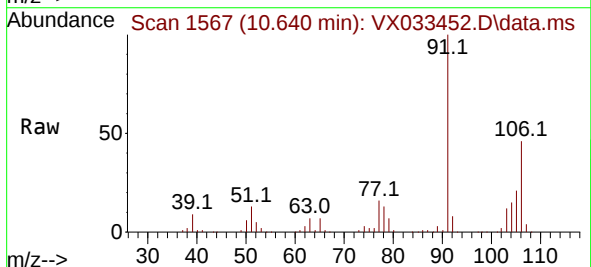
Manual Integrations
APPROVED

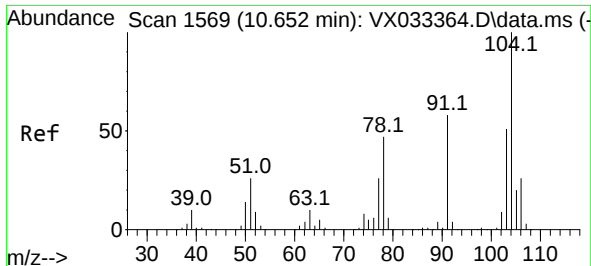
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#68
o-Xylene
Concen: 20.794 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion:106 Resp: 54177
Ion Ratio Lower Upper
106 100
91 213.4 108.0 324.0





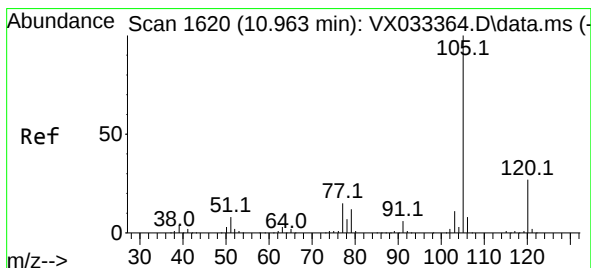
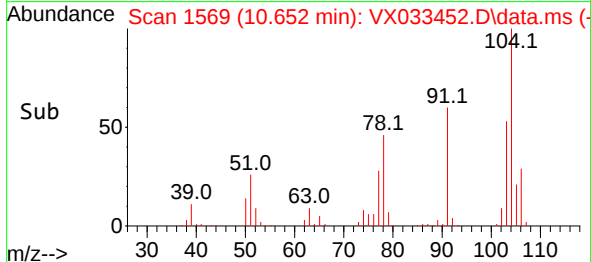
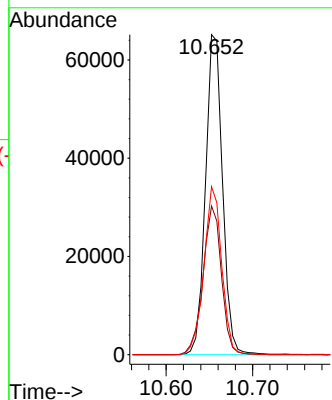
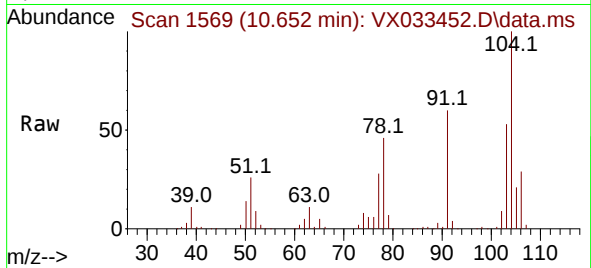
#69
Styrene
Concen: 20.567 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:104 Resp: 89024
Ion Ratio Lower Upper
104 100
78 50.2 40.0 60.0
103 55.0 43.9 65.9

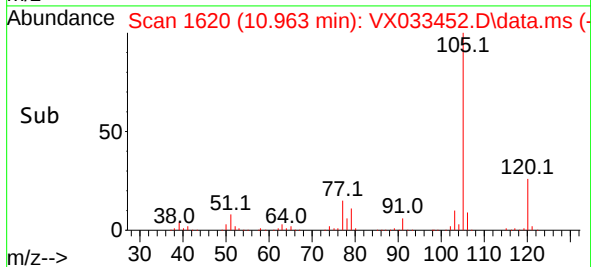
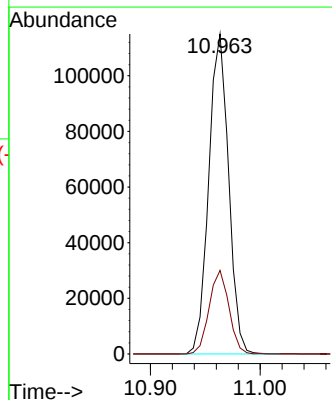
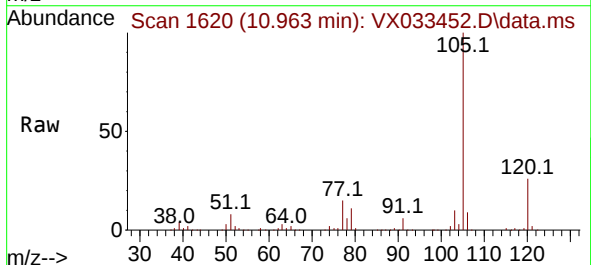
Manual Integrations
APPROVED

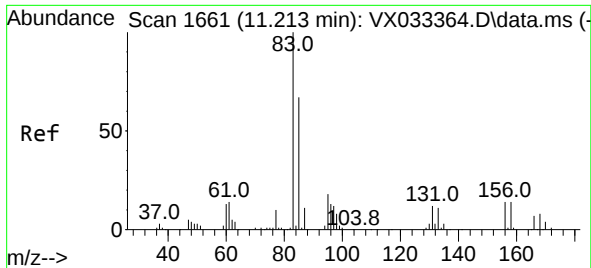
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#70
Isopropylbenzene
Concen: 20.921 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

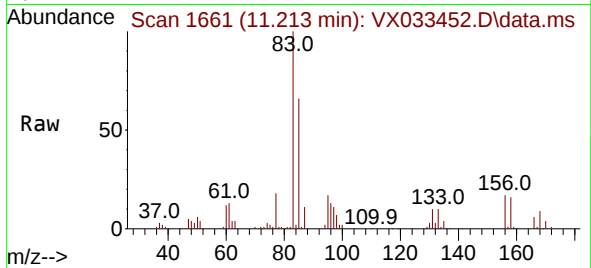
Tgt Ion:105 Resp: 144647
Ion Ratio Lower Upper
105 100
120 26.0 18.1 33.7





#71
1,1,2,2-Tetrachloroethane
Concen: 21.358 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

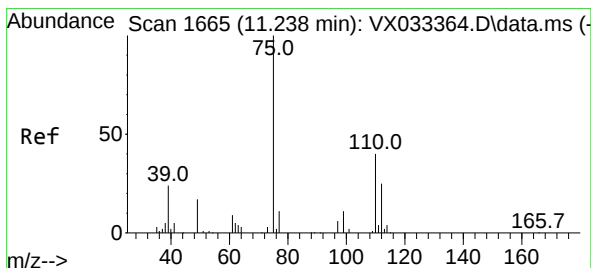
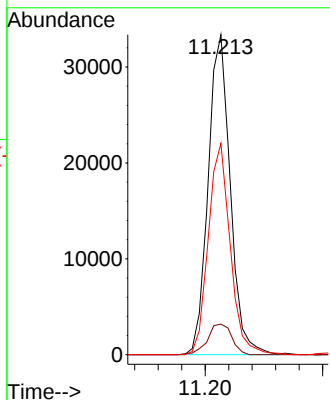
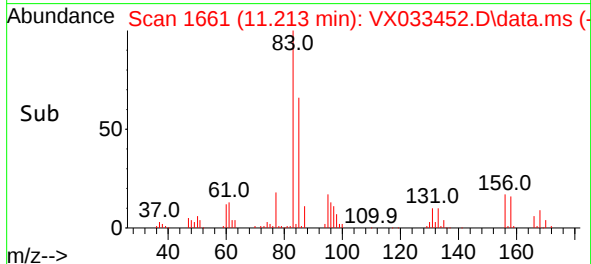
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



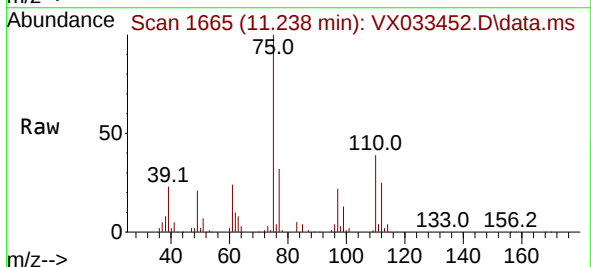
Tgt Ion: 83 Resp: 4367
Ion Ratio Lower Upper
83 100
131 10.5 5.4 16.2
85 65.5 32.6 97.7

Manual Integrations
APPROVED

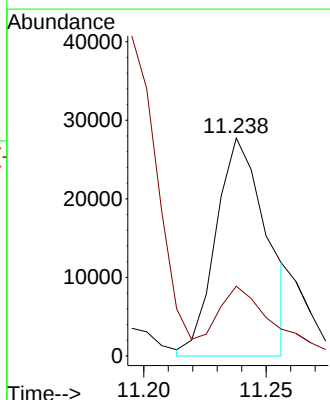
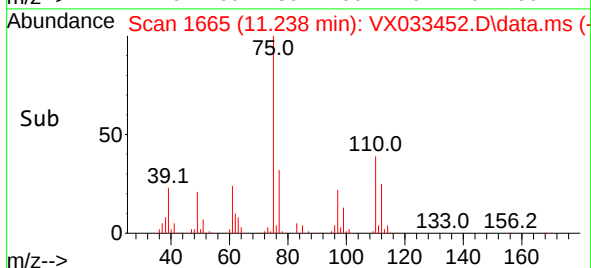
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

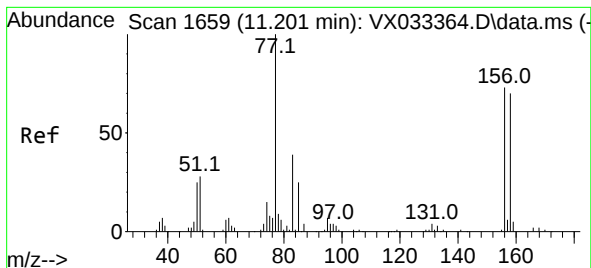


#72
1,2,3-Trichloropropane
Concen: 21.882 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



Tgt Ion: 75 Resp: 39845
Ion Ratio Lower Upper
75 100
77 36.0 0.0 74.4





#73

Bromobenzene

Concen: 20.248 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.006 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

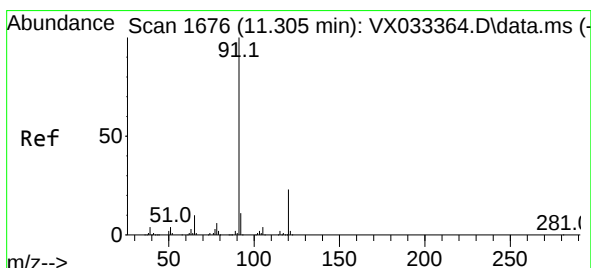
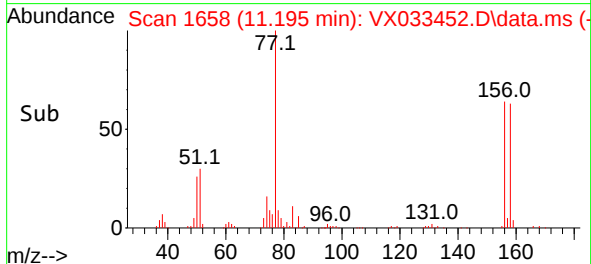
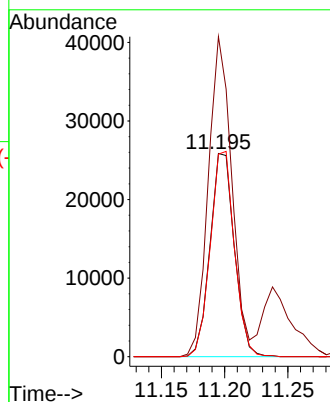
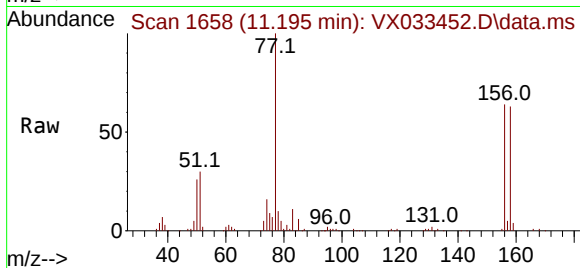
Tgt Ion:	156	Resp:	34630
Ion Ratio	Lower	Upper	
156	100		
77	151.5	0.0	298.6
158	99.8	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#74

n-propylbenzene

Concen: 20.804 ug/l

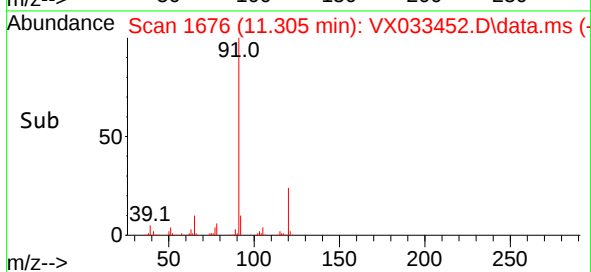
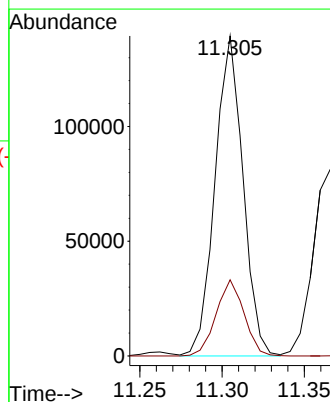
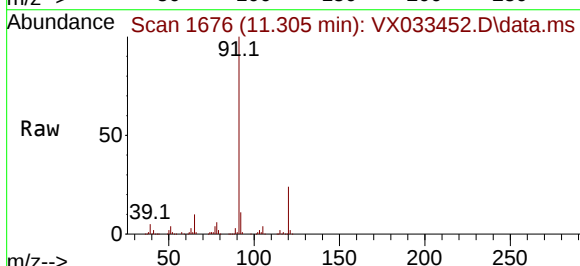
RT: 11.305 min Scan# 1676

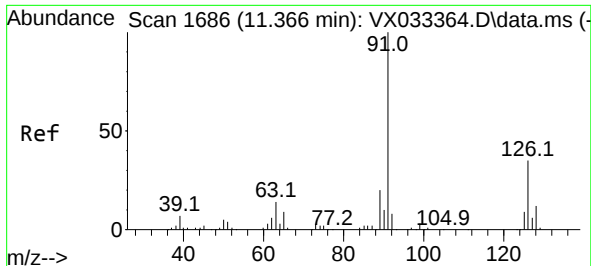
Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion:	91	Resp:	164825
Ion Ratio	Lower	Upper	
91	100		
120	23.7	0.0	46.4





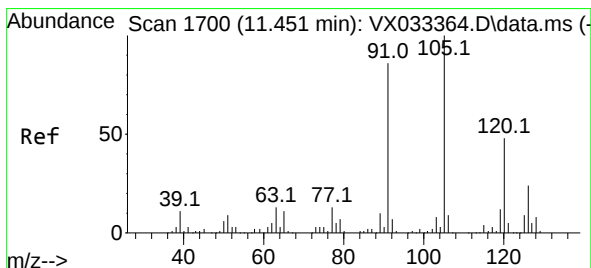
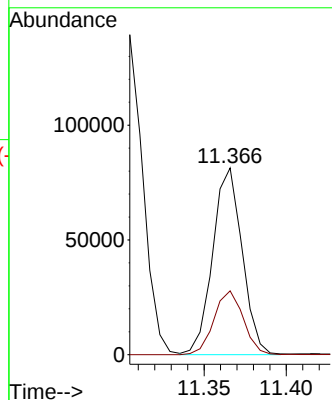
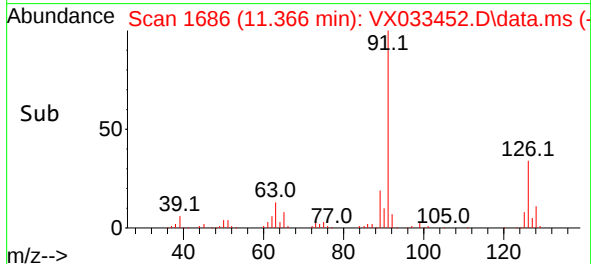
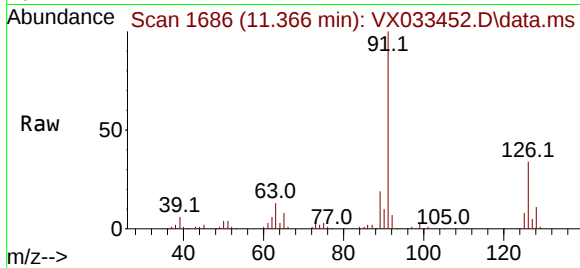
#75
2-Chlorotoluene
Concen: 21.347 ug/l
RT: 11.366 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 91 Resp: 101664
Ion Ratio Lower Upper
91 100
126 33.9 0.0 68.6

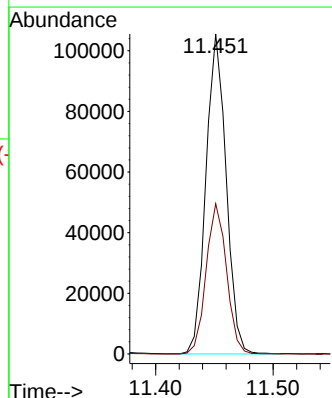
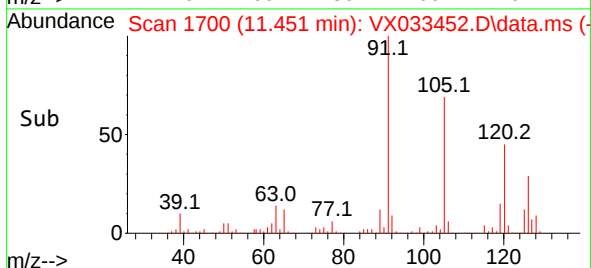
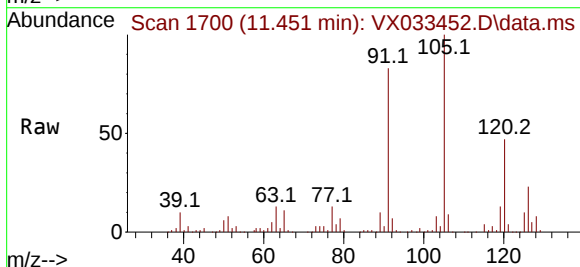
Manual Integrations
APPROVED

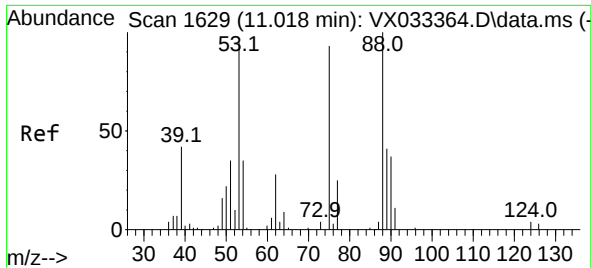
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#76
1,3,5-Trimethylbenzene
Concen: 21.685 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

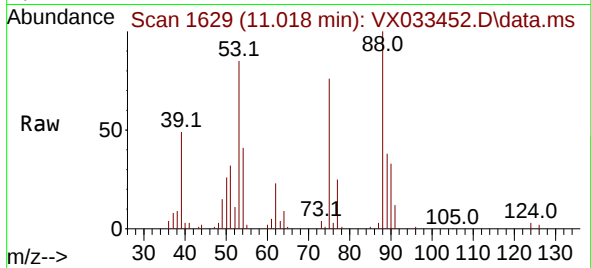
Tgt Ion:105 Resp: 126045
Ion Ratio Lower Upper
105 100
120 47.4 0.0 96.2





#77
t-1,4-Dichloro-2-butene
Concen: 18.661 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

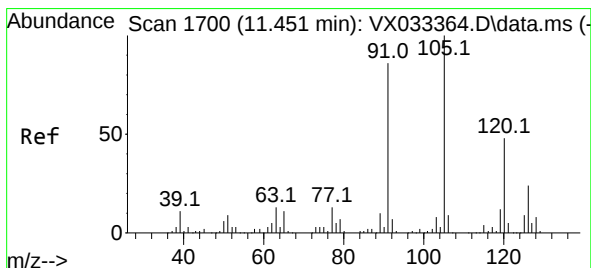
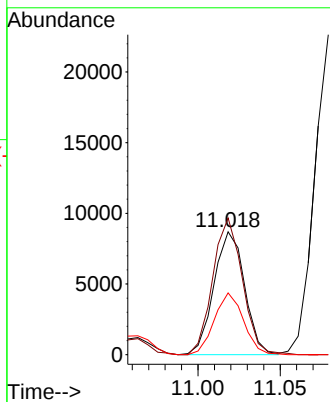
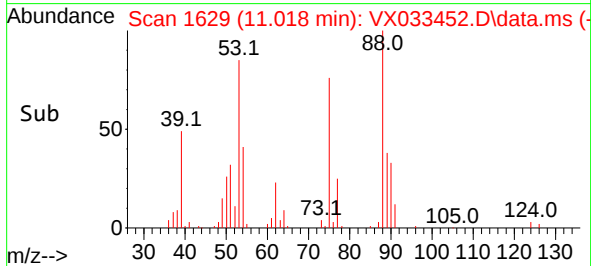
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



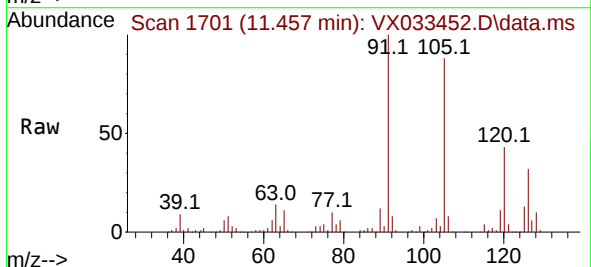
Tgt Ion: 75 Resp: 11298
Ion Ratio Lower Upper
75 100
53 111.1 51.4 154.3
89 50.3 22.2 66.6

Manual Integrations
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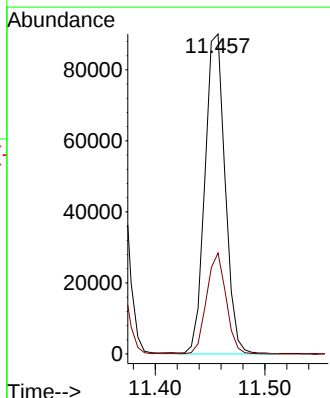
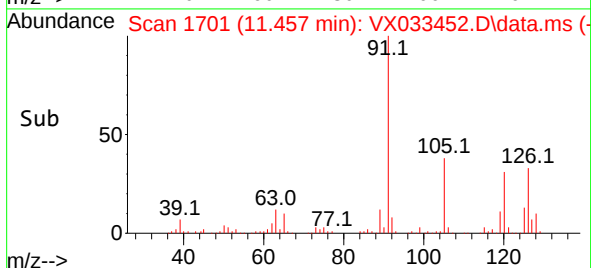
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

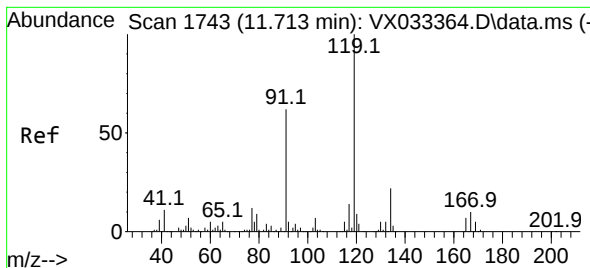


#78
4-Chlorotoluene
Concen: 21.157 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



Tgt Ion: 91 Resp: 115467
Ion Ratio Lower Upper
91 100
126 30.4 0.0 59.4





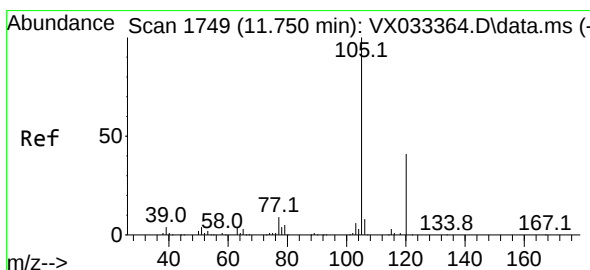
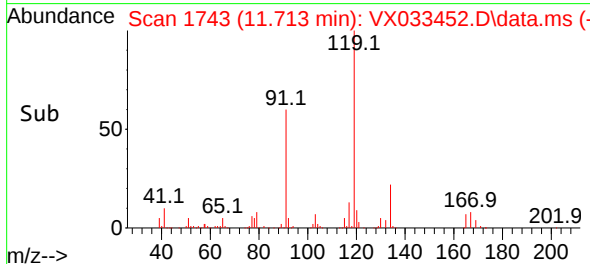
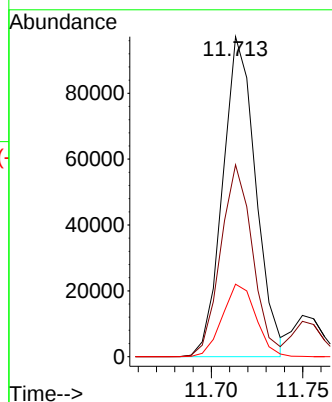
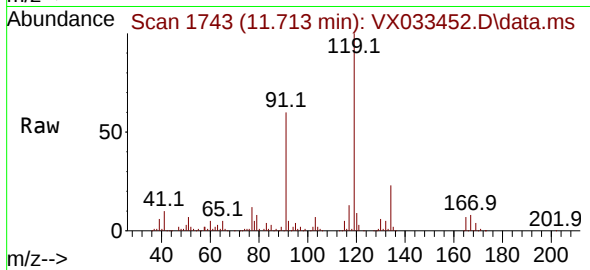
#79
tert-butylbenzene
Concen: 21.232 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:119 Resp: 122338
Ion Ratio Lower Upper
119 100
91 58.1 0.0 117.0
134 23.0 0.0 44.4

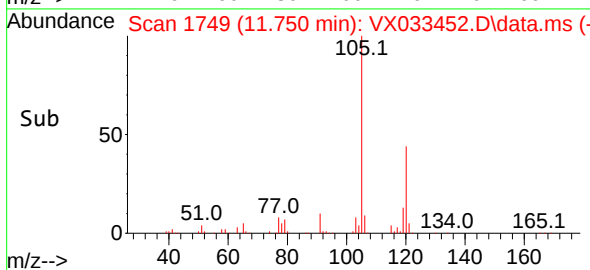
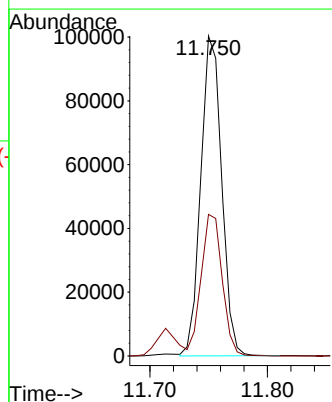
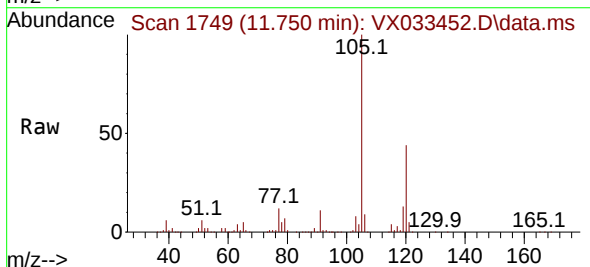
Manual Integrations
APPROVED

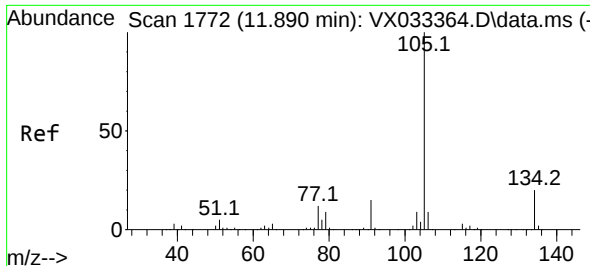
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#80
1,2,4-Trimethylbenzene
Concen: 21.658 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

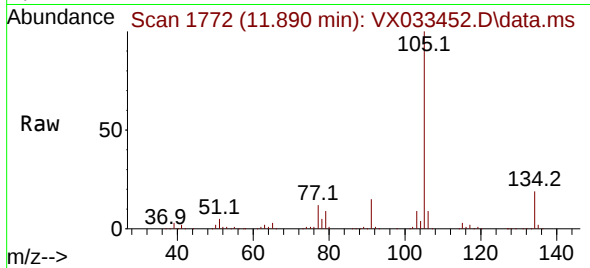
Tgt Ion:105 Resp: 123746
Ion Ratio Lower Upper
105 100
120 44.7 0.0 86.8





#81
 sec-Butylbenzene
 Concen: 21.283 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20

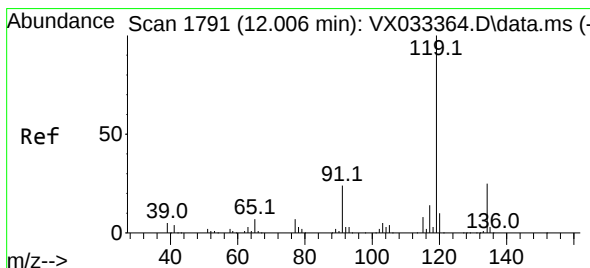
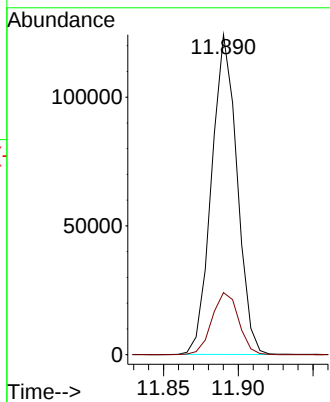
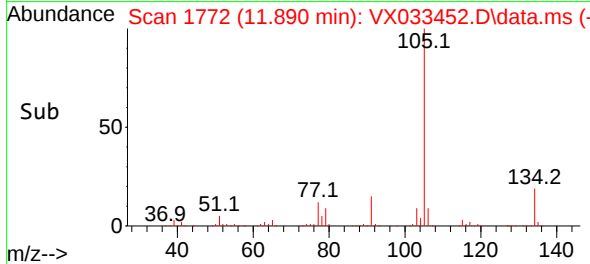
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBS01



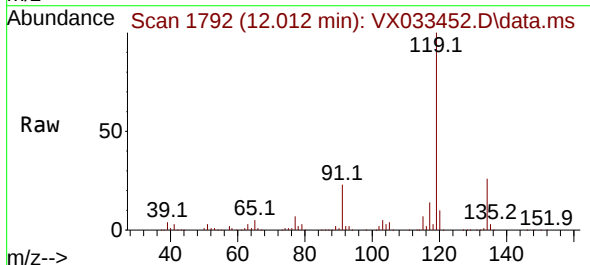
Tgt Ion:105 Resp: 147384
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.8

Manual Integrations
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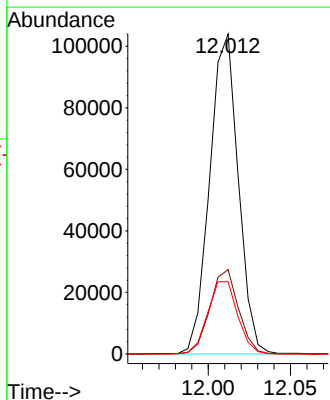
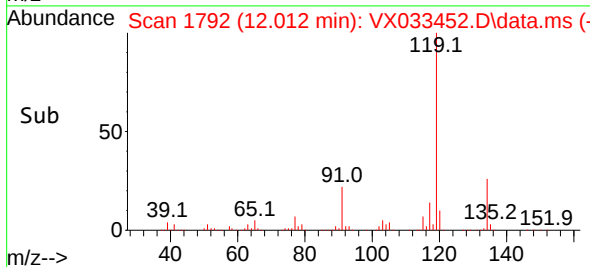
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

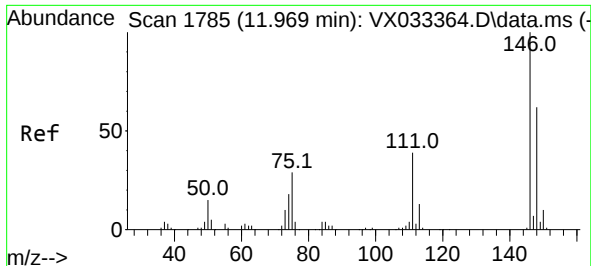


#82
 p-Isopropyltoluene
 Concen: 21.287 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX033452.D
 Acq: 16 Dec 2022 11:20



Tgt Ion:119 Resp: 125720
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.6
 91 23.8 0.0 47.2





#83

1,3-Dichlorobenzene

Concen: 21.169 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBS01

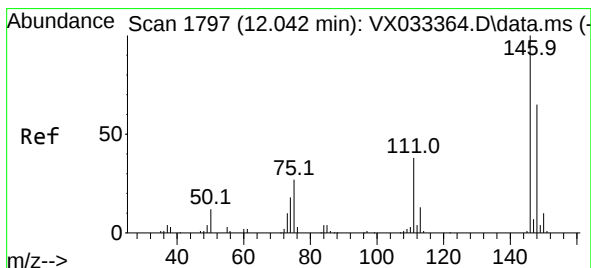
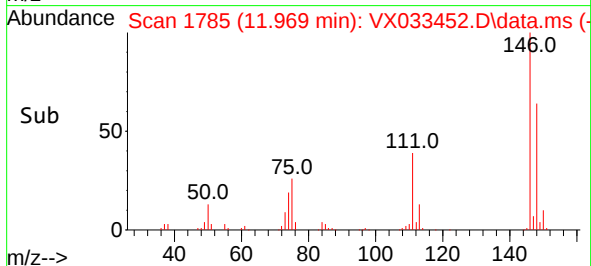
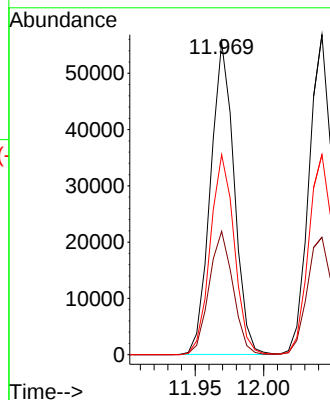
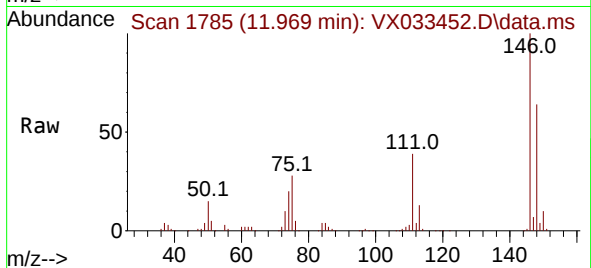
Tgt Ion:146 Resp: 6665
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.1 60.3
 148 65.0 31.3 93.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#84

1,4-Dichlorobenzene

Concen: 21.419 ug/l

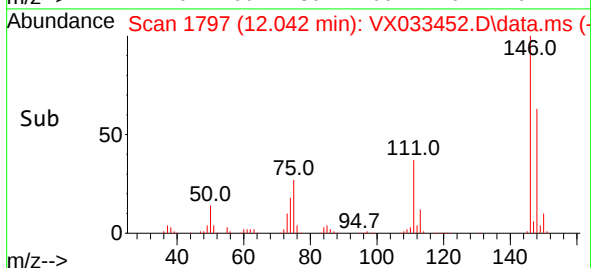
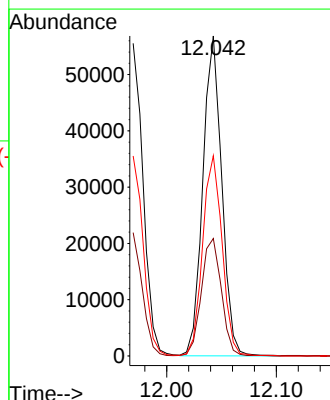
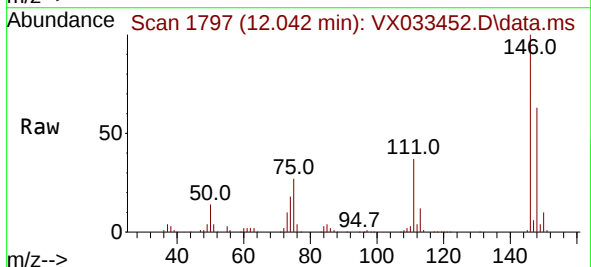
RT: 12.042 min Scan# 1797

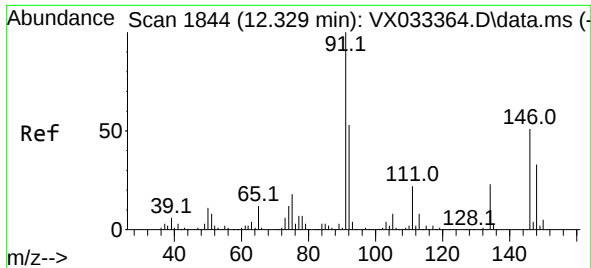
Delta R.T. 0.000 min

Lab File: VX033452.D

Acq: 16 Dec 2022 11:20

Tgt Ion:146 Resp: 67881
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 64.5 32.2 96.6





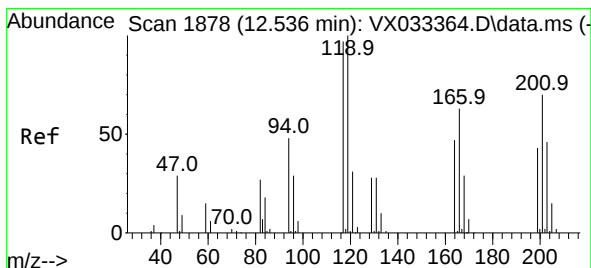
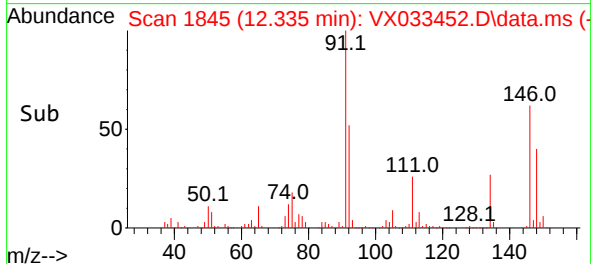
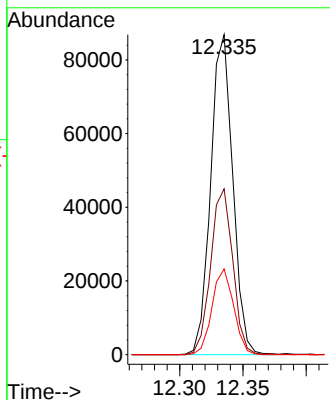
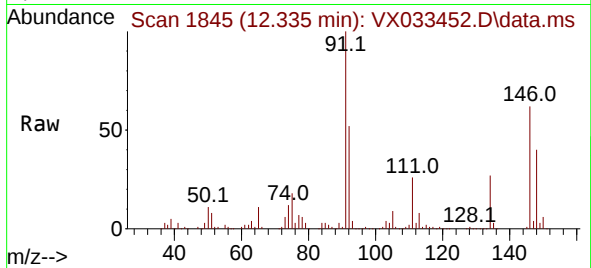
#85
n-Butylbenzene
Concen: 21.376 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion: 91 Resp: 10537
Ion Ratio Lower Upper
91 100
92 51.8 0.0 106.8
134 26.2 0.0 51.8

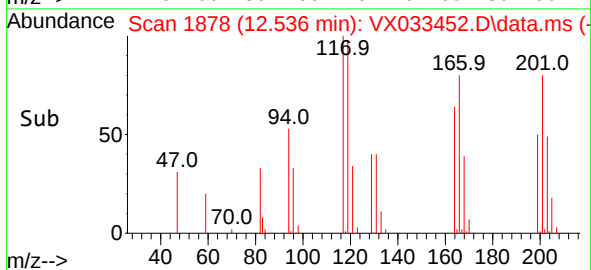
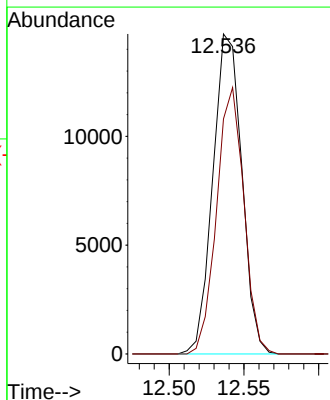
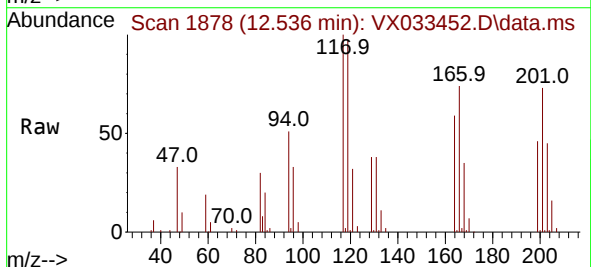
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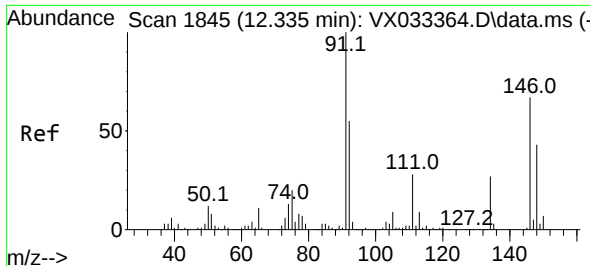
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#86
Hexachloroethane
Concen: 18.900 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

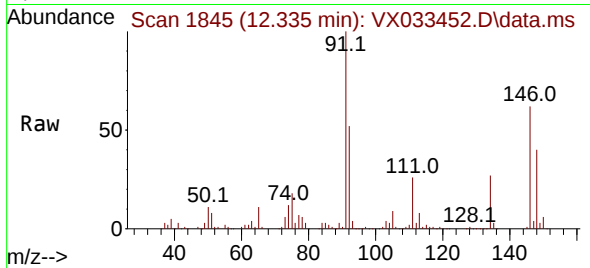
Tgt Ion:117 Resp: 19811
Ion Ratio Lower Upper
117 100
201 78.4 40.4 121.2





#87
1,2-Dichlorobenzene
Concen: 21.239 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

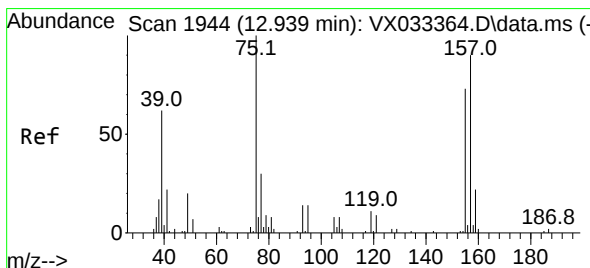
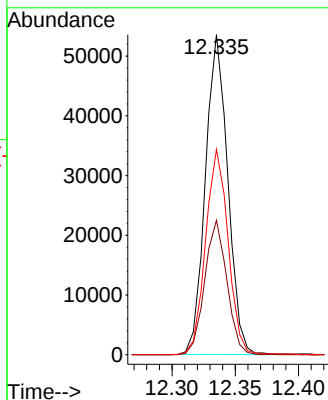
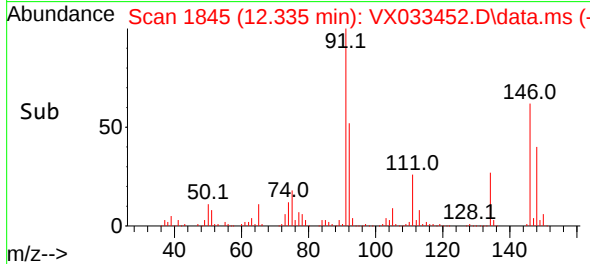
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



Tgt Ion:146 Resp: 65894
Ion Ratio Lower Upper
146 100
111 41.6 20.9 62.8
148 64.6 31.9 95.5

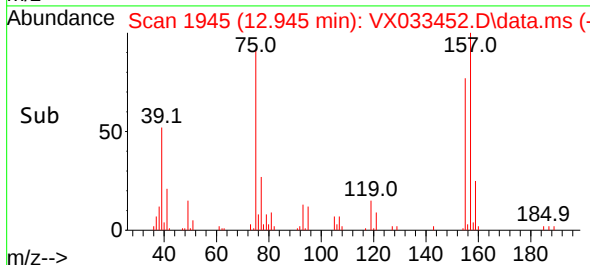
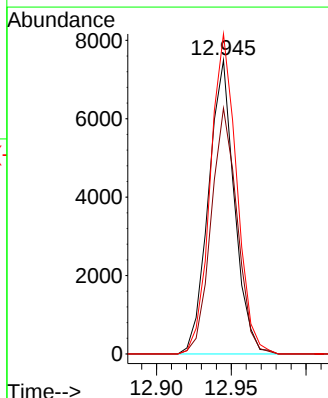
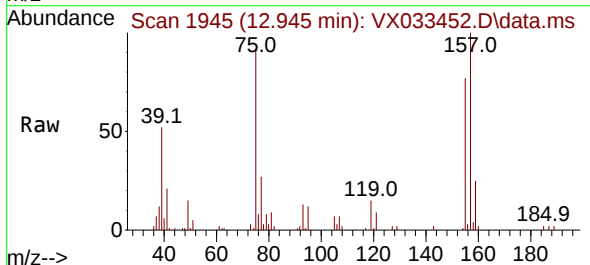
Manual Integrations
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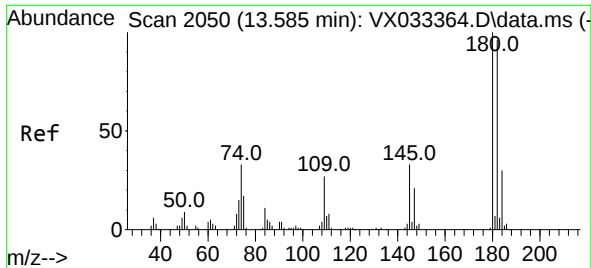
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.256 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Tgt Ion: 75 Resp: 9024
Ion Ratio Lower Upper
75 100
155 84.1 69.6 104.4
157 110.6 84.8 127.2





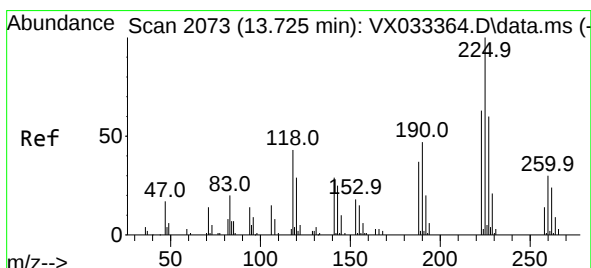
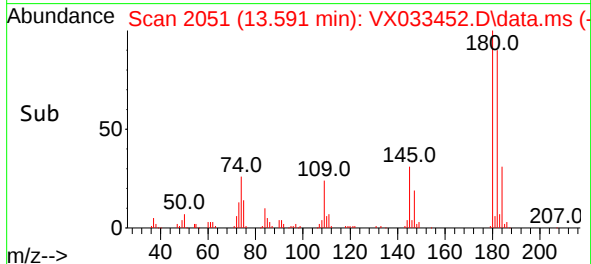
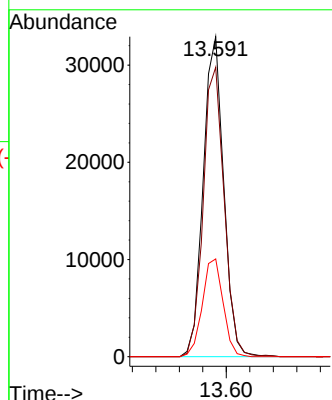
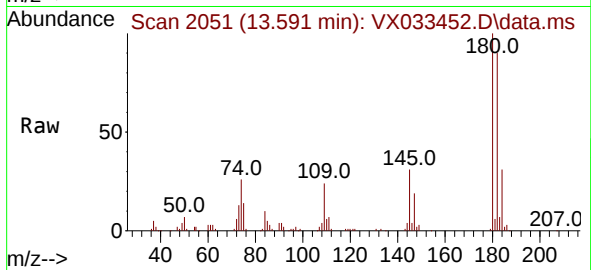
#89
1,2,4-Trichlorobenzene
Concen: 20.793 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Tgt Ion:180 Resp: 3985
Ion Ratio Lower Upper
180 100
182 92.3 78.4 117.6
145 31.0 25.4 38.2

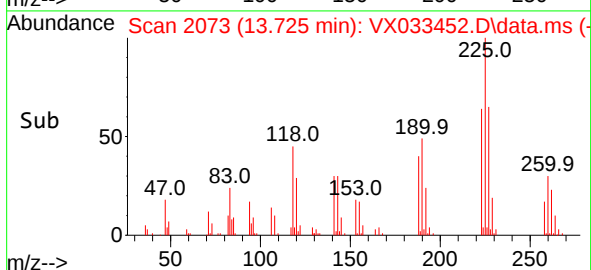
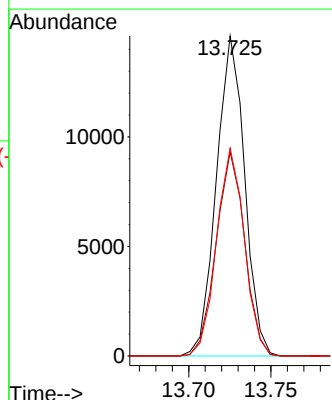
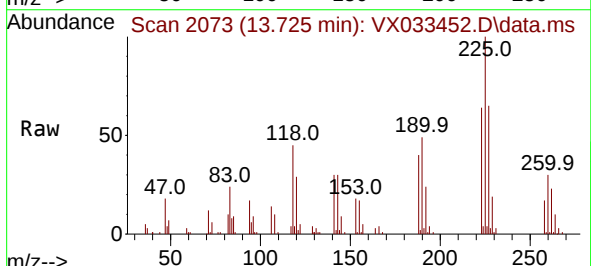
Manual Integrations
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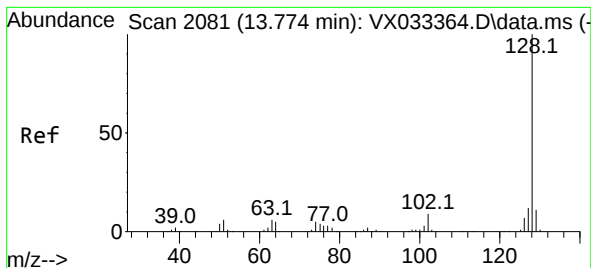
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#90
Hexachlorobutadiene
Concen: 21.474 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

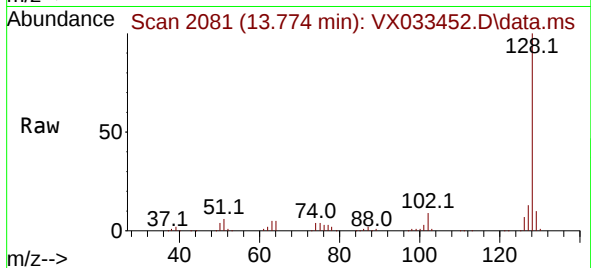
Tgt Ion:225 Resp: 17463
Ion Ratio Lower Upper
225 100
223 64.3 0.0 125.6
227 63.9 0.0 125.4





#91
Naphthalene
Concen: 21.230 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20

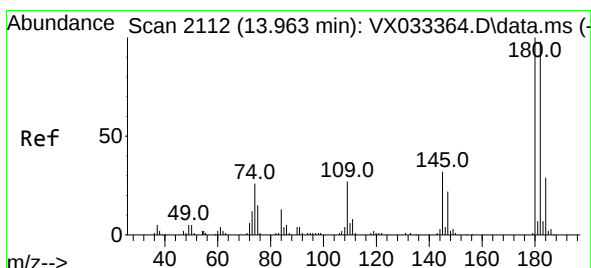
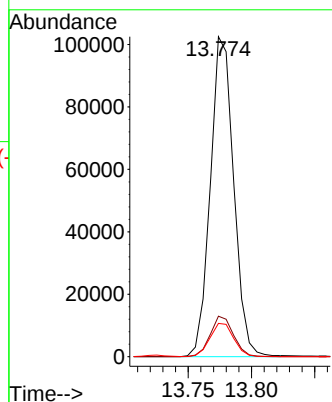
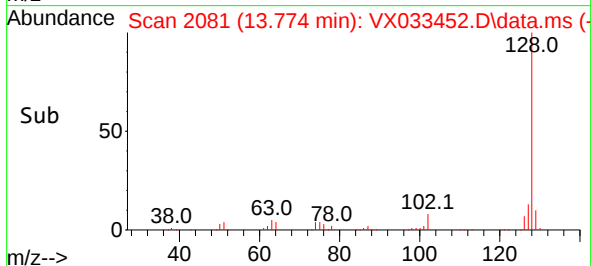
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01



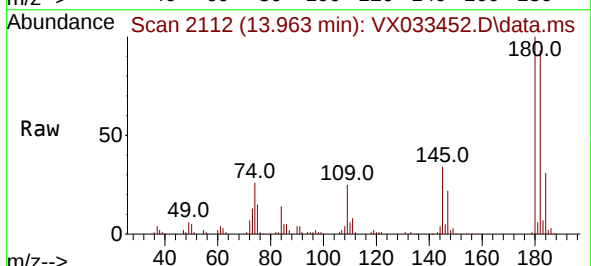
Tgt Ion:128 Resp: 13168
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.6 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#92
1,2,3-Trichlorobenzene
Concen: 20.881 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033452.D
Acq: 16 Dec 2022 11:20



Tgt Ion:180 Resp: 40076
Ion Ratio Lower Upper
180 100
182 94.7 0.0 194.2
145 34.0 0.0 68.0

