

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033365.D
 Acq On : 12 Dec 2022 11:21
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

Quant Time: Dec 12 12:26:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:25:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	13616	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	95793	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	105674	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36058	27.450	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.500%		
60) 4-Bromofluorobenzene	11.079	95	59818	29.592	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.633%		
63) Toluene-d8	8.647	98	106200	29.779	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.267%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48864	40.549	ug/l	99
3) Chloromethane	1.294	50	49146	41.098	ug/l	100
4) Vinyl Chloride	1.374	62	60262	44.568	ug/l	99
5) Bromomethane	1.618	94	43684	36.391	ug/l	97
6) Chloroethane	1.691	64	44767	41.917	ug/l	91
7) Trichlorofluoromethane	1.892	101	121095	46.458	ug/l	99
8) Diethyl Ether	2.136	74	40928	48.565	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	65855	47.497	ug/l	98
10) 1,1-Dichloroethene	2.325	96	62513	47.195	ug/l	95
11) Methyl Iodide	2.453	142	76184	53.499	ug/l	100
12) Methyl Acetate	2.703	43	85590	43.621	ug/l #	87
13) Acrolein	2.239	56	72654	277.675	ug/l	98
14) Acrylonitrile	3.068	53	155269	220.745	ug/l	100
15) Acetone	2.392	58	61387	335.623	ug/l	92
16) Carbon Disulfide	2.514	76	158889	48.186	ug/l	99
17) Allyl chloride	2.666	41	97346	46.252	ug/l	96
18) Methylene Chloride	2.788	84	66787	43.721	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	69108	47.363	ug/l #	87
20) Diisopropyl ether	3.757	45	208715	44.225	ug/l	89
21) 1,1-Dichloroethane	3.611	63	120993	45.670	ug/l	95
22) cis-1,2-Dichloroethene	4.489	96	79938	46.922	ug/l	91
23) tert-Butyl Alcohol	3.008	59	66036m	289.143	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	214846	45.297	ug/l	96
25) Chloroform	5.093	83	137424	46.508	ug/l	98
26) Cyclohexane	5.471	56	105109	45.431	ug/l #	87
29) 1,1-Dichloropropene	5.696	75	97458	45.873	ug/l	97
30) 2-Butanone	4.562	43	241608	243.898	ug/l	93
31) 2,2-Dichloropropane	4.477	77	102137	56.213	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	125793	47.071	ug/l	96
33) Carbon Tetrachloride	5.678	117	113019	48.166	ug/l	96
34) Benzene	6.037	78	279472	46.687	ug/l #	97
35) Methacrylonitrile	4.916	41	48080	42.854	ug/l	96
36) 1,2-Dichloroethane	6.086	62	108268	43.935	ug/l #	94
37) Trichloroethene	7.129	130	78588	46.928	ug/l	95
38) Methylcyclohexane	7.379	83	113264	47.583	ug/l	90
39) 1,2-Dichloropropane	7.427	63	69737	46.025	ug/l	97
40) Dibromomethane	7.580	93	52962	45.781	ug/l	99
41) Bromodichloromethane	7.824	83	109762	49.778	ug/l	97
42) Vinyl Acetate	3.721	43	812328	213.410	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	82978	41.640	ug/l #	86
44) Isopropyl Acetate	6.336	43	141011	42.226	ug/l	97
45) 1,4-Dioxane	7.702	88	33964	1058.847	ug/l	90
46) Methyl methacrylate	7.690	41	71277	42.398	ug/l	87
47) n-amyl Acetate	10.841	43	125289	42.203	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	112017	49.518	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	119473	50.017	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	74428	46.792	ug/l	93
51) Ethyl methacrylate	9.116	69	109885	46.257	ug/l	91
52) 1,3-Dichloropropane	9.311	76	121114	46.573	ug/l	100
53) Dibromochloromethane	9.525	129	89328	51.640	ug/l	99
54) 1,2-Dibromoethane	9.610	107	82718	48.279	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	239174	208.341	ug/l	94
56) Bromoform	10.799	173	66311	53.543	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	443749	214.512	ug/l	95
59) 2-Hexanone	9.427	43	350118	229.873	ug/l	95
61) Tetrachloroethene	9.275	164	69277	46.909	ug/l	96
62) Toluene	8.720	91	320678	46.662	ug/l	99
64) Chlorobenzene	10.079	112	203735	47.952	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	80117	49.500	ug/l	100
66) Ethyl Benzene	10.195	91	369580	47.938	ug/l	97
67) m/p-Xylenes	10.299	106	287593	95.871	ug/l	92
68) o-Xylene	10.640	106	141678	48.133	ug/l	94
69) Styrene	10.659	104	239452	48.932	ug/l	97
70) Isopropylbenzene	10.963	105	375706	47.798	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	113141	47.464	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	101568m	49.060	ug/l	
73) Bromobenzene	11.201	156	92270	48.322	ug/l	91
74) n-propylbenzene	11.305	91	431848	48.355	ug/l	96
75) 2-Chlorotoluene	11.366	91	255816	47.310	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	319659	48.106	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	34061	53.916	ug/l	95
78) 4-Chlorotoluene	11.457	91	296548	47.611	ug/l	95
79) tert-butylbenzene	11.713	119	313718	48.582	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	313690	48.283	ug/l	95
81) sec-Butylbenzene	11.890	105	380660	48.964	ug/l	96
82) p-Isopropyltoluene	12.012	119	324413	49.515	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	173785	49.607	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	172983	49.170	ug/l	99
85) n-Butylbenzene	12.329	91	273946	49.333	ug/l	96
86) Hexachloroethane	12.536	117	56039	52.102	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	170771	49.035	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	24489	48.424	ug/l	89
89) 1,2,4-Trichlorobenzene	13.585	180	106717	49.895	ug/l	99
90) Hexachlorobutadiene	13.725	225	43991	51.102	ug/l	99
91) Naphthalene	13.774	128	350826	48.598	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	104866	48.749	ug/l	97

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

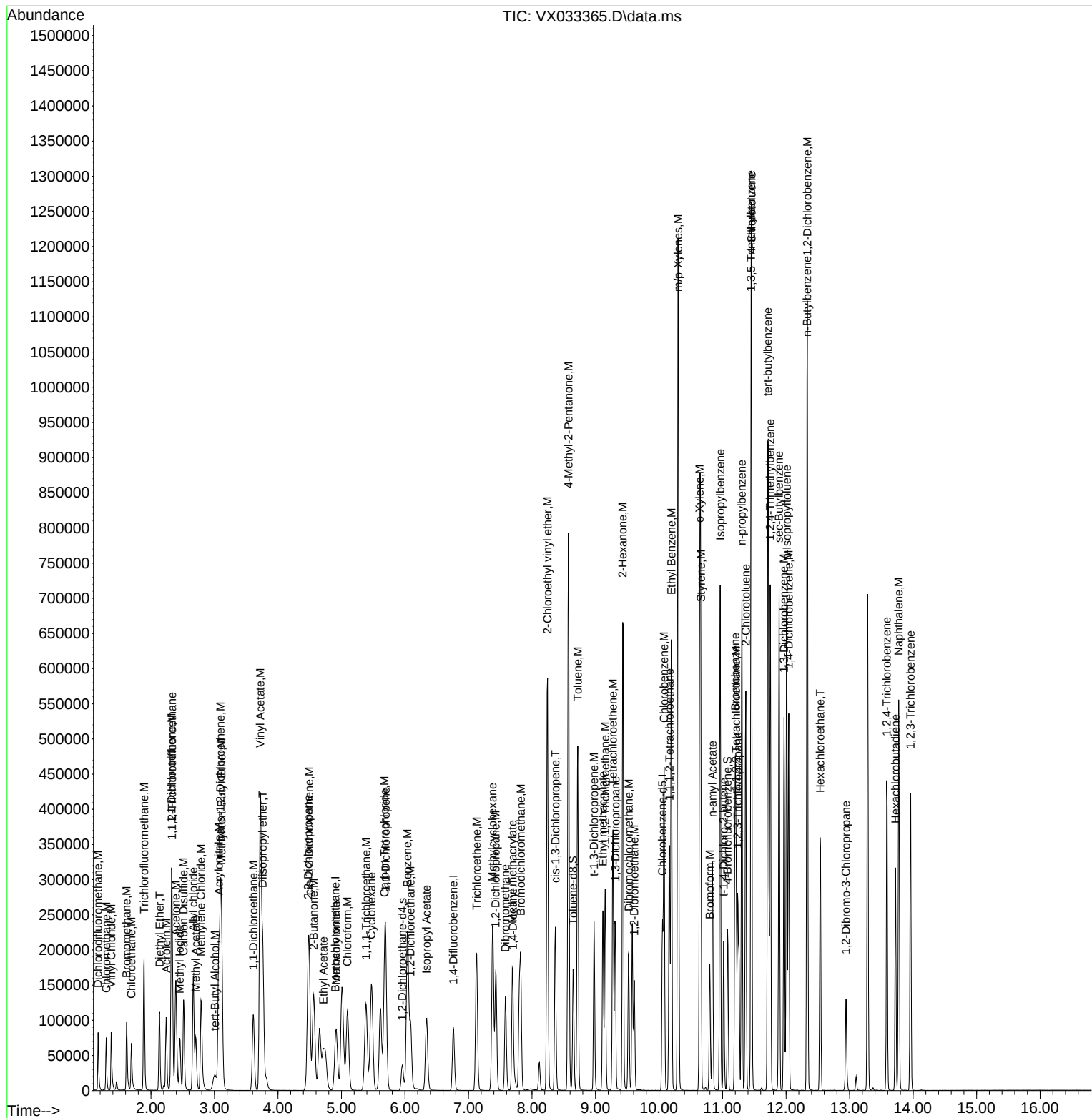
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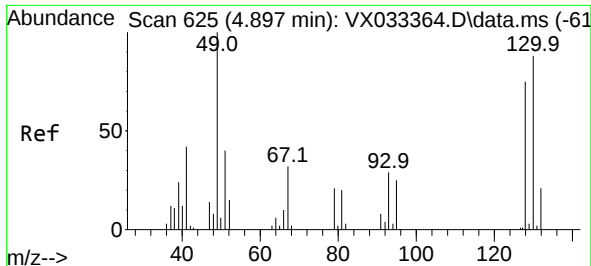
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
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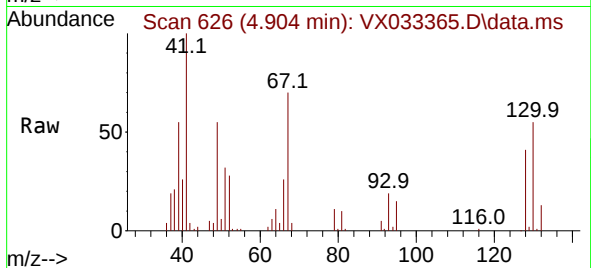
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:25:09 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

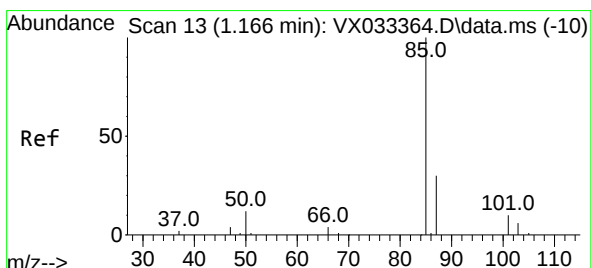
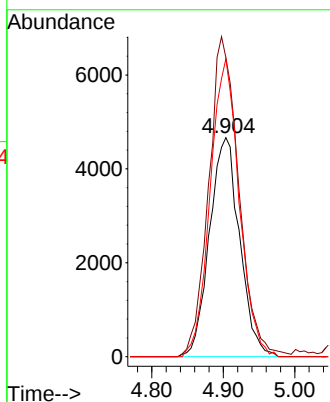
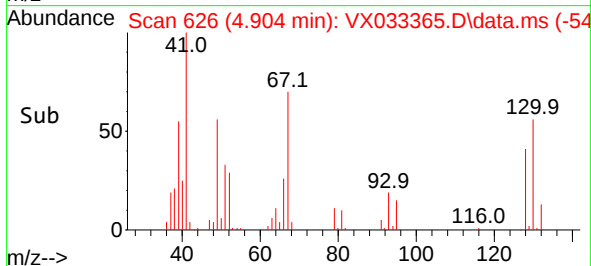
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 13610
Ion Ratio Lower Upper
128 100
49 146.3 0.0 293.0
130 131.1 0.0 321.5

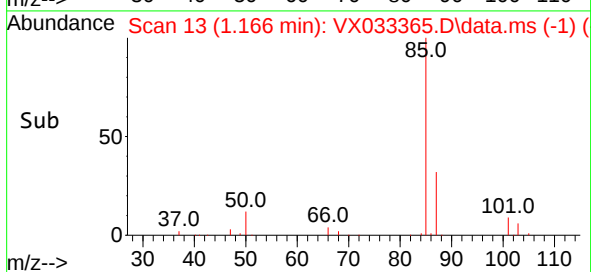
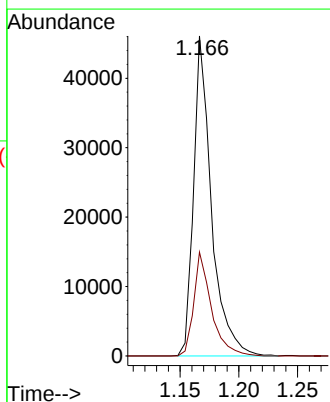
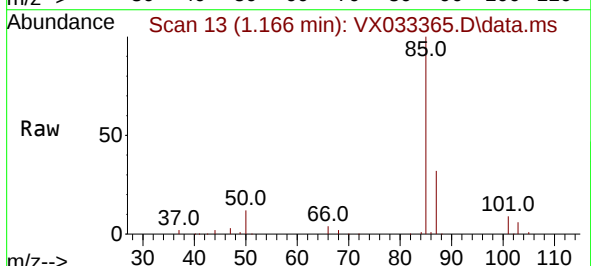
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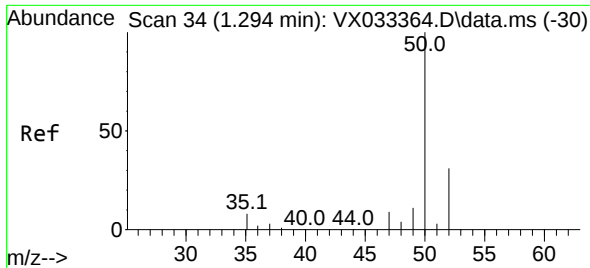
Reviewed By :John Carlone 12/13/2022
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#2
Dichlorodifluoromethane
Concen: 40.549 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 85 Resp: 48864
Ion Ratio Lower Upper
85 100
87 32.4 16.5 49.5





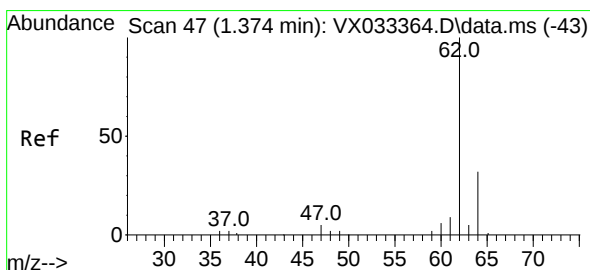
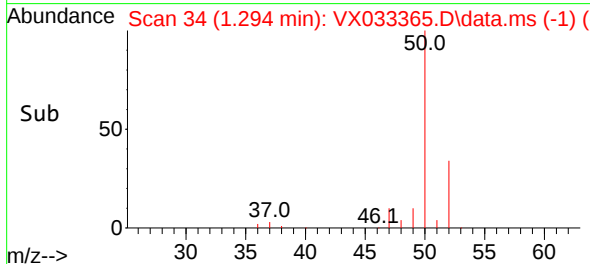
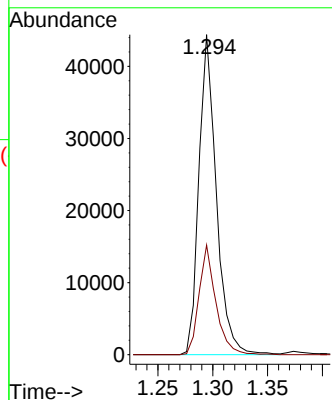
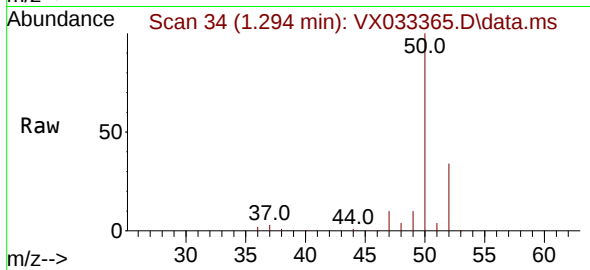
#3
Chloromethane
Concen: 41.098 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

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Tgt Ion: 50 Resp: 49140
Ion Ratio Lower Upper
50 100
52 34.3 27.6 41.4

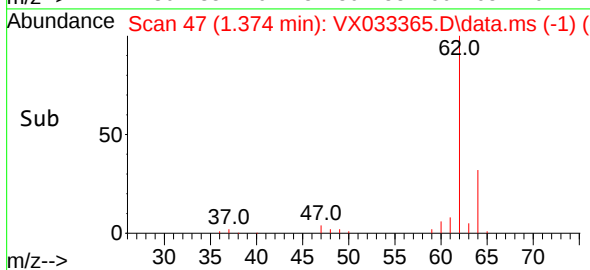
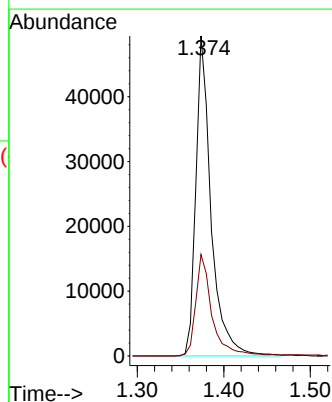
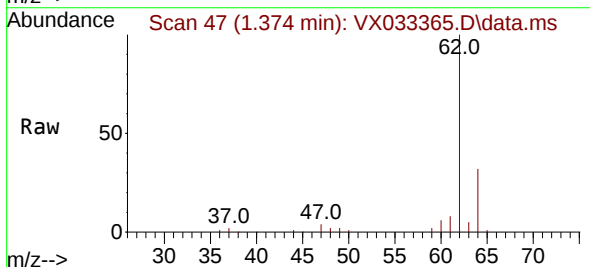
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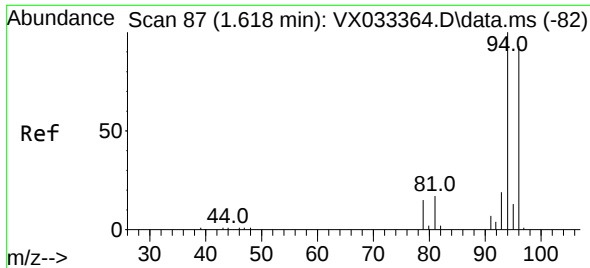
Reviewed By :John Carlone 12/13/2022
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#4
Vinyl Chloride
Concen: 44.568 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

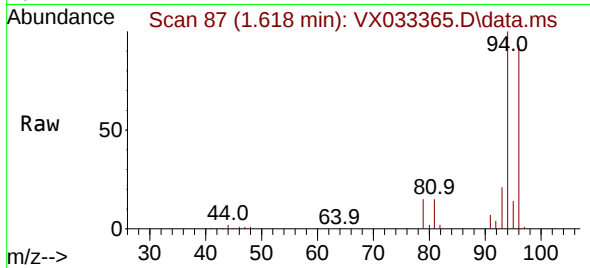
Tgt Ion: 62 Resp: 60262
Ion Ratio Lower Upper
62 100
64 31.5 25.7 38.5





#5
Bromomethane
Concen: 36.391 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

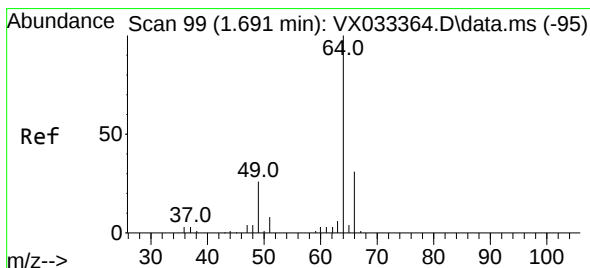
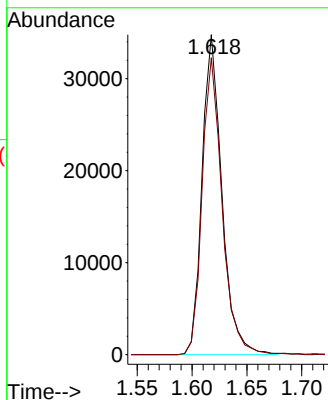
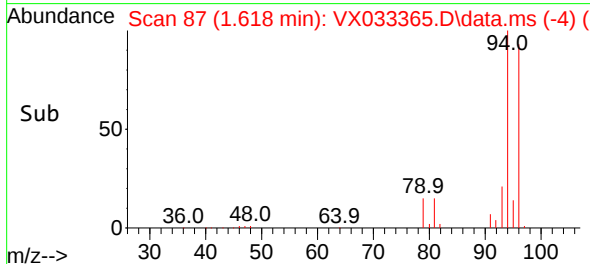
Instrument :
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ClientSampleId :
VSTDIC050



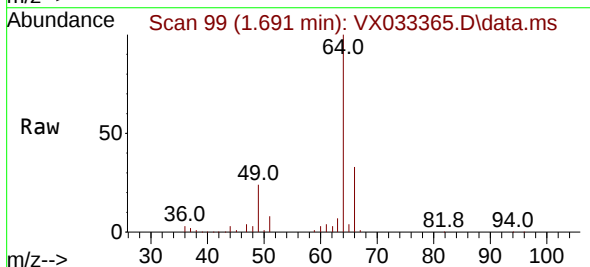
Tgt Ion: 94 Resp: 43684
Ion Ratio Lower Upper
94 100
96 92.8 76.8 115.2

Manual Integrations
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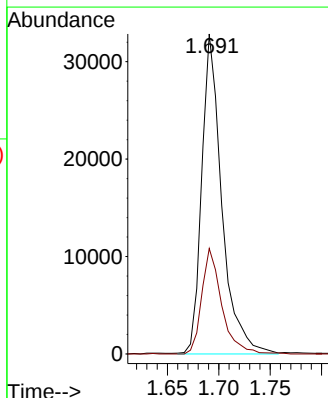
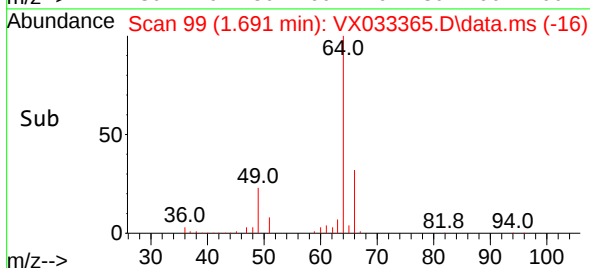
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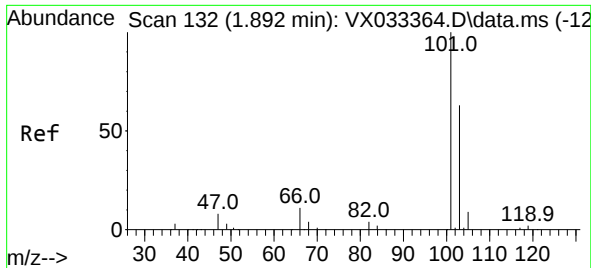


#6
Chloroethane
Concen: 41.917 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033365.D
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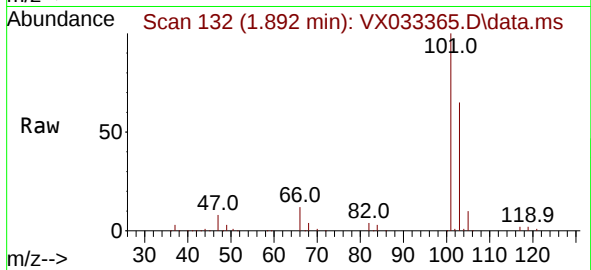
Tgt Ion: 64 Resp: 44767
Ion Ratio Lower Upper
64 100
66 33.1 30.6 46.0





#7
 Trichlorofluoromethane
 Concen: 46.458 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033365.D
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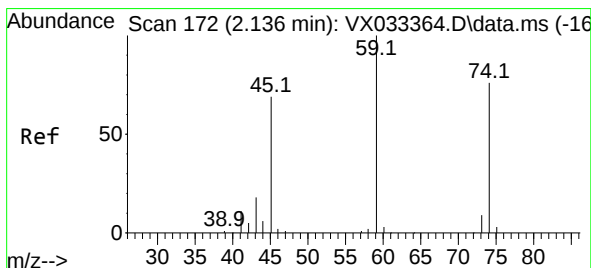
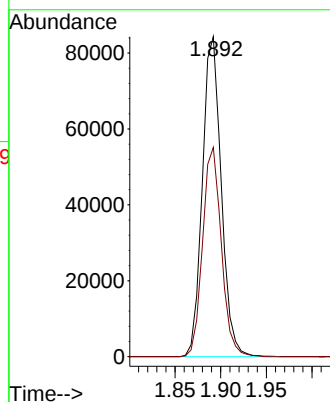
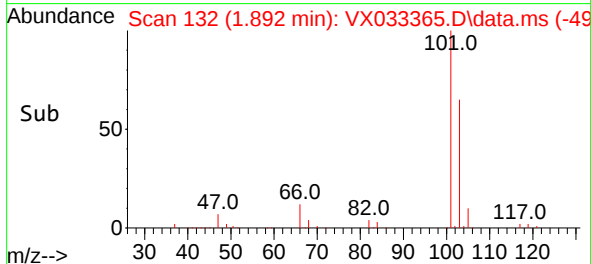
Instrument :
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 VSTDIC050



Tgt Ion:101 Resp: 12109
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.7 77.5

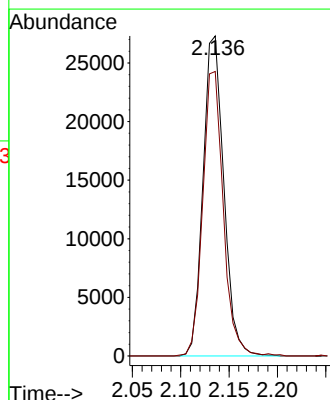
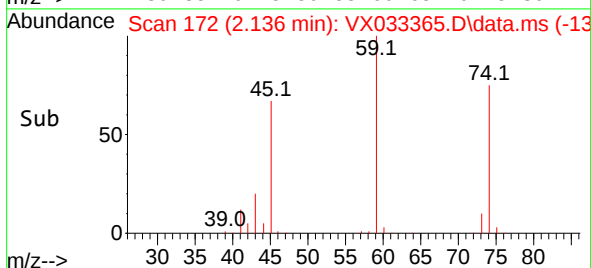
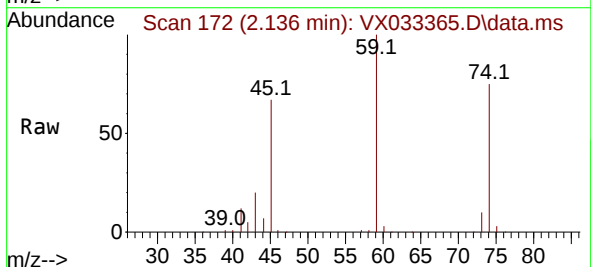
Manual Integrations
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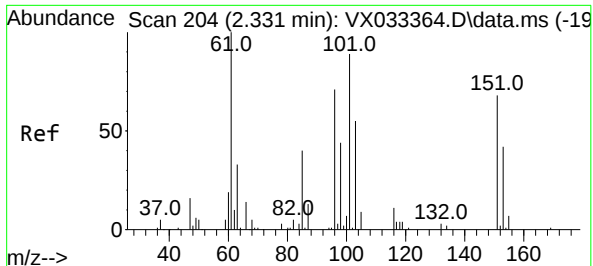
Reviewed By :John Carlone 12/13/2022
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#8
 Diethyl Ether
 Concen: 48.565 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
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Tgt Ion: 74 Resp: 40928
 Ion Ratio Lower Upper
 74 100
 45 87.6 14.2 127.8





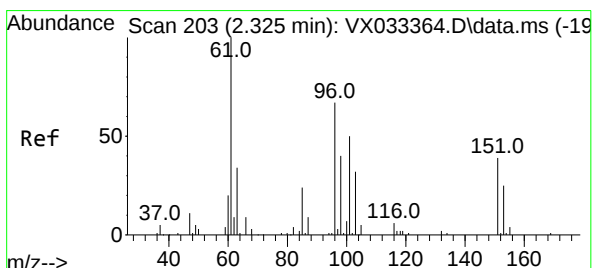
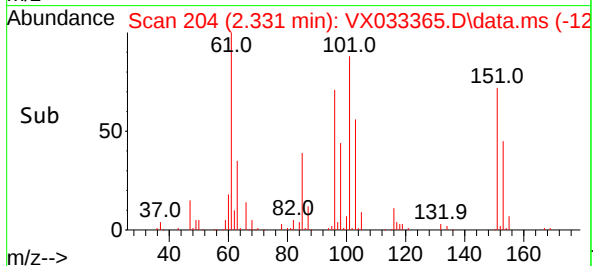
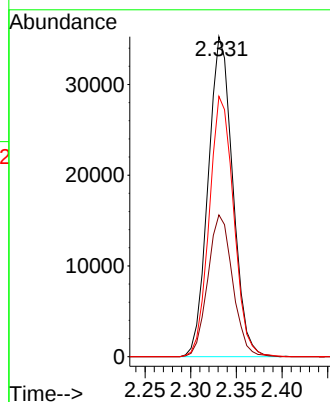
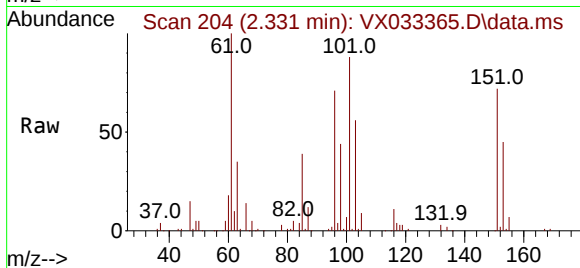
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.497 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033365.D
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VSTDIC050

Tgt Ion:101 Resp: 6585
Ion Ratio Lower Upper
101 100
85 44.7 0.0 88.8
151 81.1 0.0 156.6

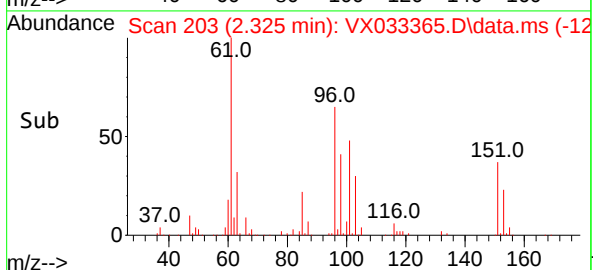
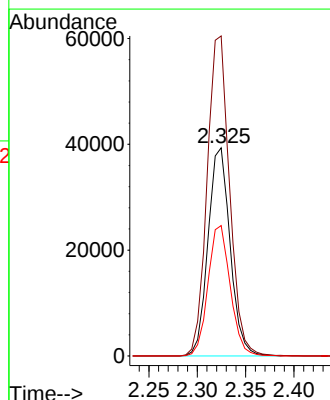
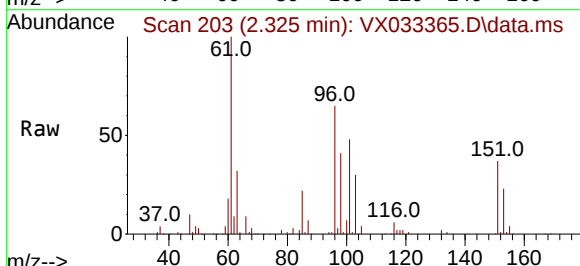
Manual Integrations
APPROVED

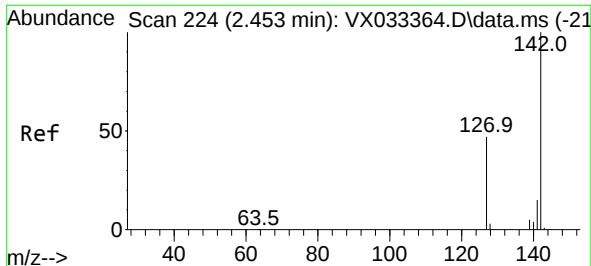
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#10
1,1-Dichloroethene
Concen: 47.195 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

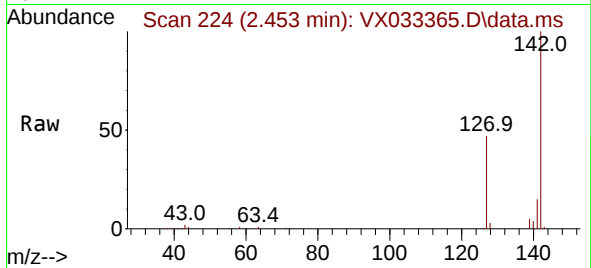
Tgt Ion: 96 Resp: 62513
Ion Ratio Lower Upper
96 100
61 153.7 115.8 173.6
98 62.6 49.7 74.5





#11
Methyl Iodide
Concen: 53.499 ug/l
RT: 2.453 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

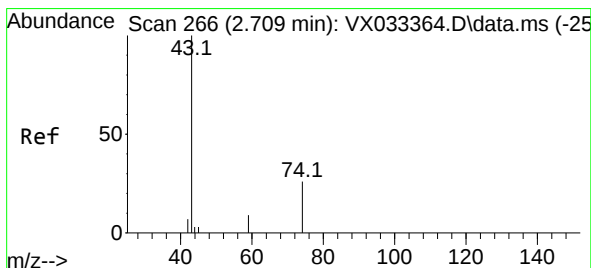
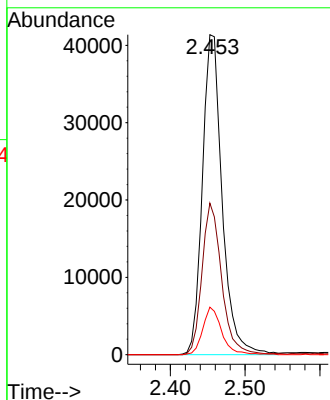
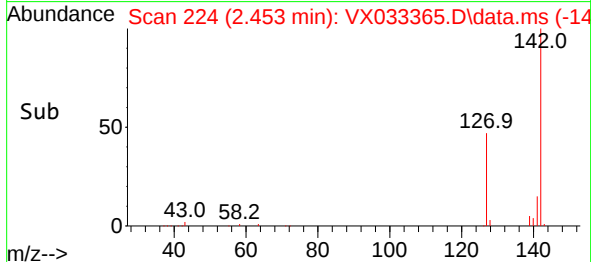
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 76184
Ion Ratio Lower Upper
142 100
127 47.2 23.8 71.2
141 14.9 7.6 22.8

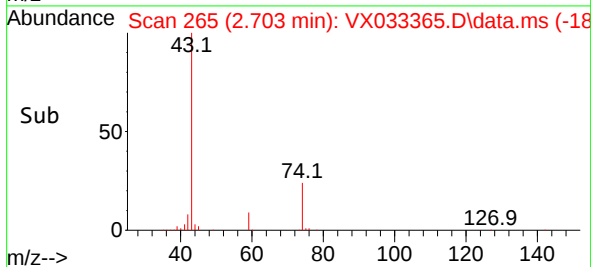
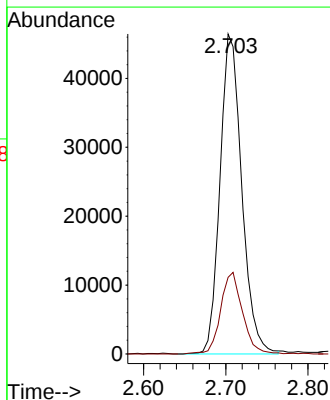
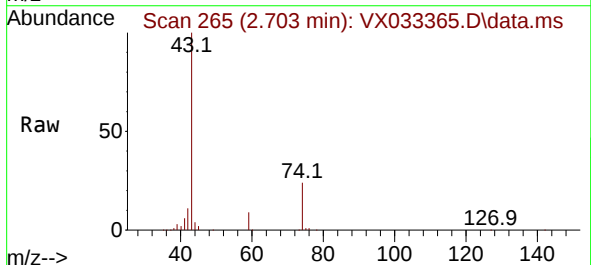
Manual Integrations
APPROVED

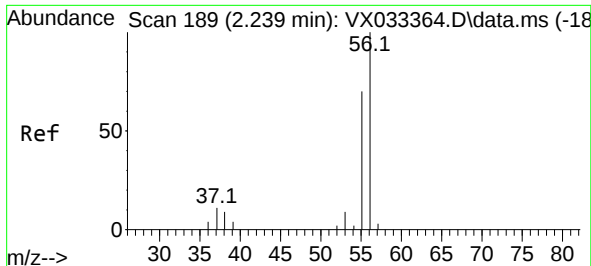
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#12
Methyl Acetate
Concen: 43.621 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

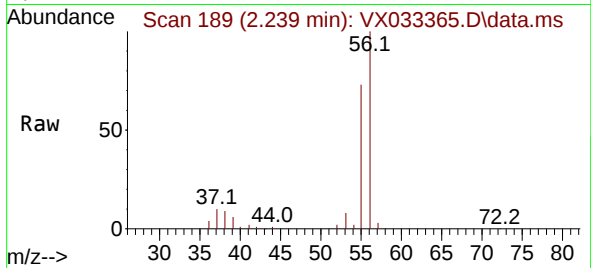
Tgt Ion: 43 Resp: 85590
Ion Ratio Lower Upper
43 100
74 23.9 24.8 37.2#





#13
Acrolein
Concen: 277.675 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

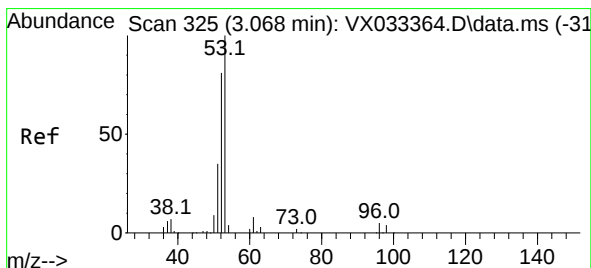
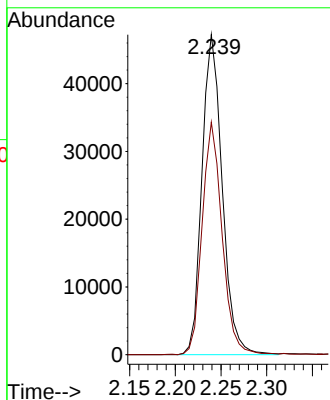
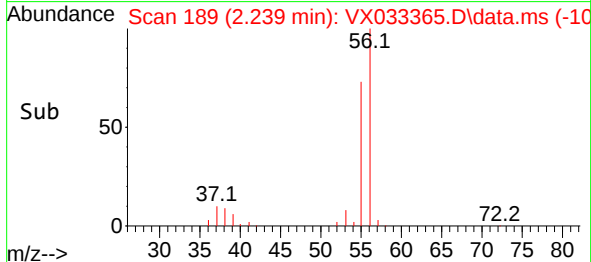
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 56 Resp: 72654
Ion Ratio Lower Upper
56 100
55 71.4 58.4 87.6

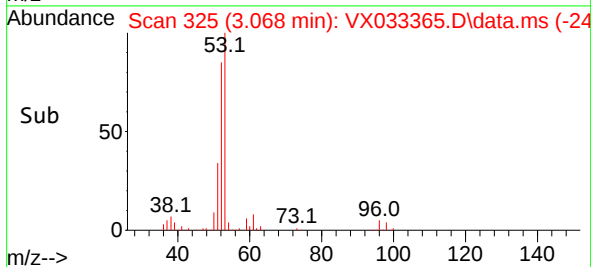
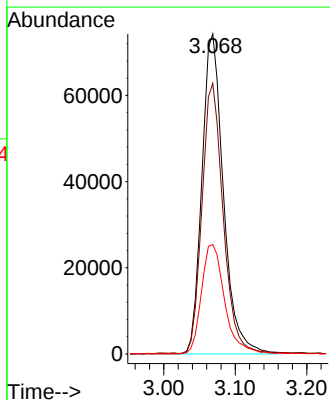
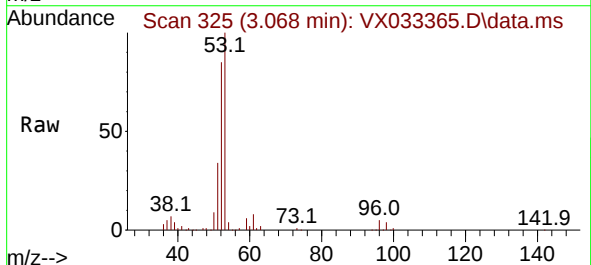
Manual Integrations
APPROVED

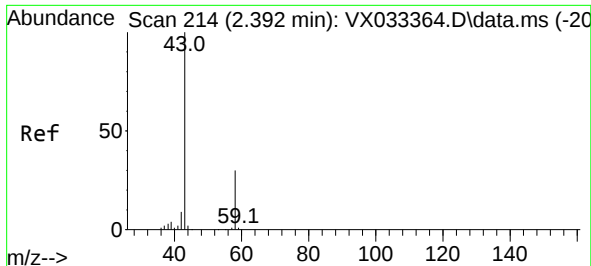
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#14
Acrylonitrile
Concen: 220.745 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

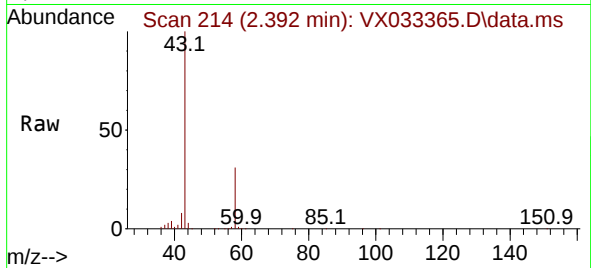
Tgt Ion: 53 Resp: 155269
Ion Ratio Lower Upper
53 100
52 83.2 41.5 124.5
51 36.8 18.3 54.9





#15
Acetone
Concen: 335.623 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

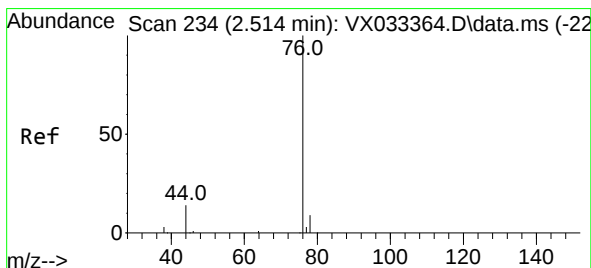
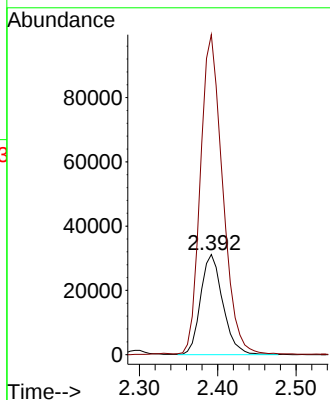
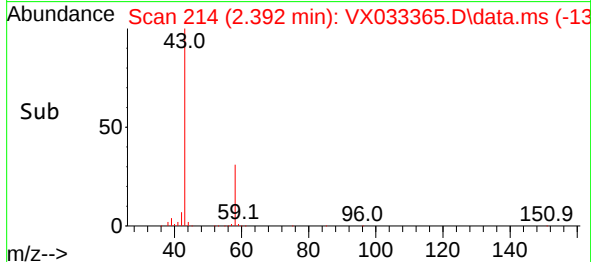
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



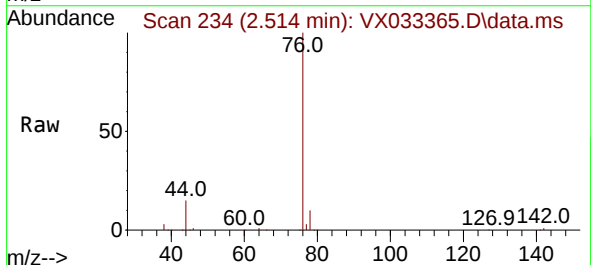
Tgt Ion: 58 Resp: 6138
Ion Ratio Lower Upper
58 100
43 319.3 242.6 364.0

Manual Integrations
APPROVED

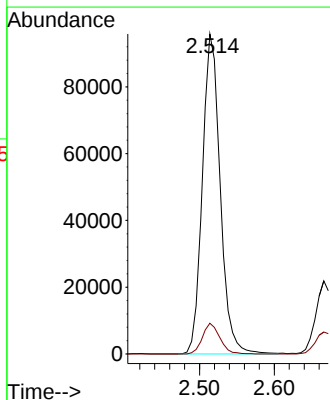
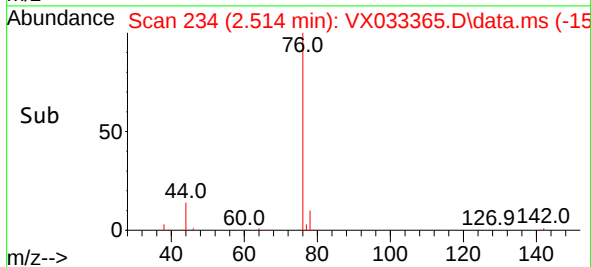
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

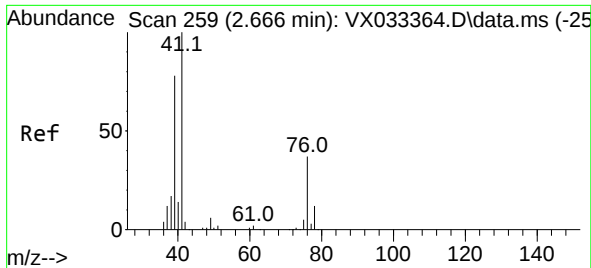


#16
Carbon Disulfide
Concen: 48.186 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



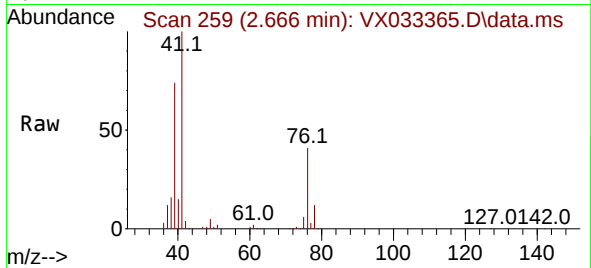
Tgt Ion: 76 Resp: 158889
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3





#17
 Allyl chloride
 Concen: 46.252 ug/l
 RT: 2.666 min Scan# 259
 Delta R.T. 0.000 min
 Lab File: VX033365.D
 Acq: 12 Dec 2022 11:21

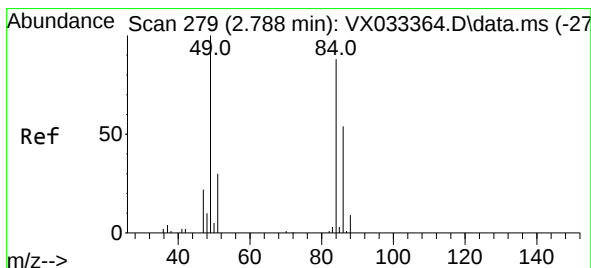
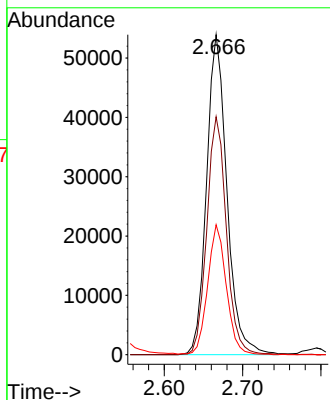
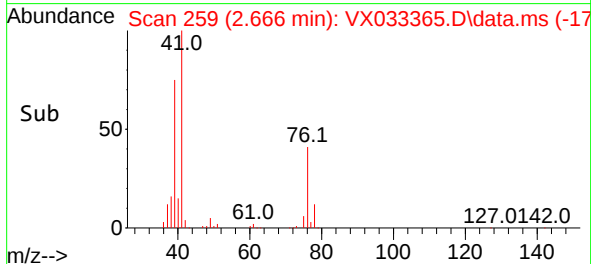
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050



Tgt Ion: 41 Resp: 97340
 Ion Ratio Lower Upper
 41 100
 39 74.4 37.0 111.0
 76 40.6 23.8 71.5

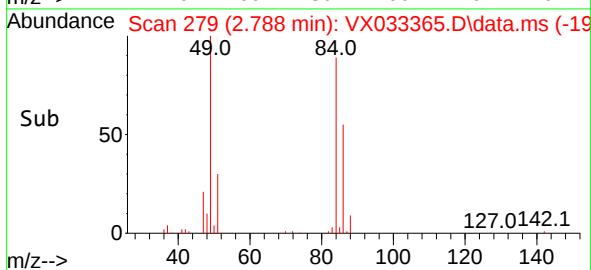
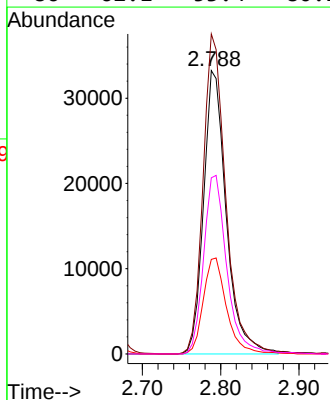
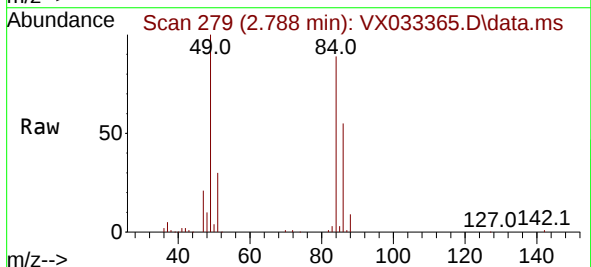
Manual Integrations
 APPROVED

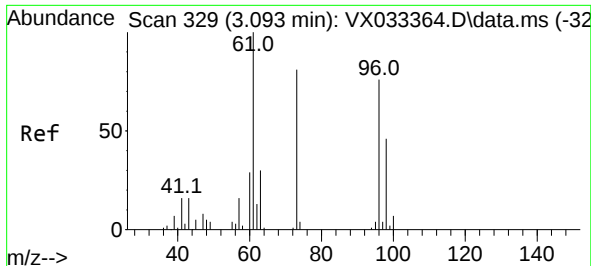
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#18
 Methylene Chloride
 Concen: 43.721 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX033365.D
 Acq: 12 Dec 2022 11:21

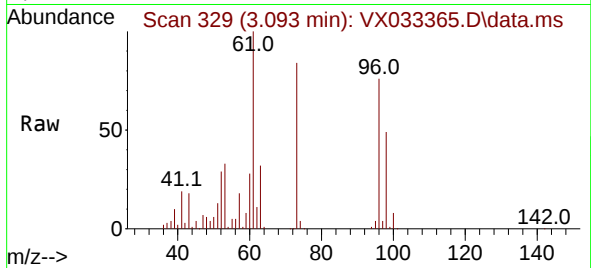
Tgt Ion: 84 Resp: 66787
 Ion Ratio Lower Upper
 84 100
 49 112.9 84.6 127.0
 51 33.3 26.5 39.7
 86 62.1 53.4 80.2





#19
trans-1,2-Dichloroethene
Concen: 47.363 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

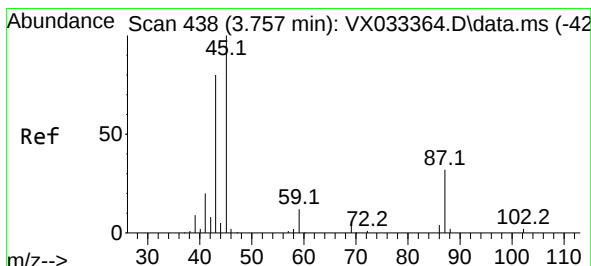
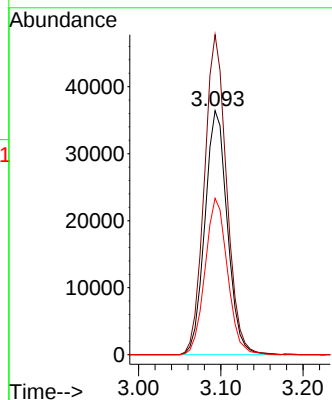
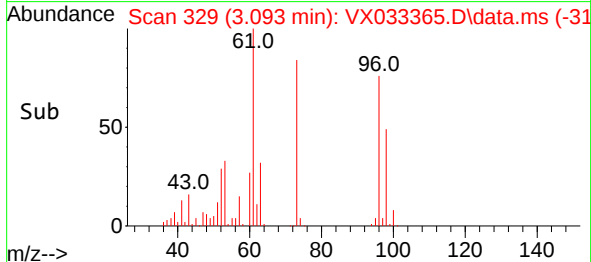
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 96 Resp: 69108
Ion Ratio Lower Upper
96 100
61 131.1 87.4 131.08
98 64.1 51.5 77.3

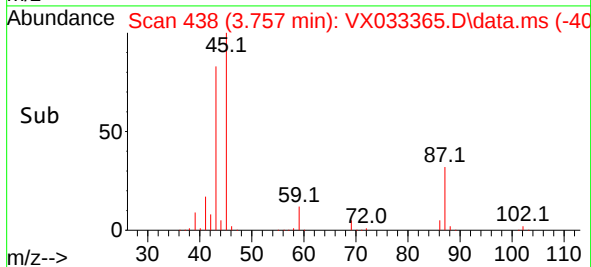
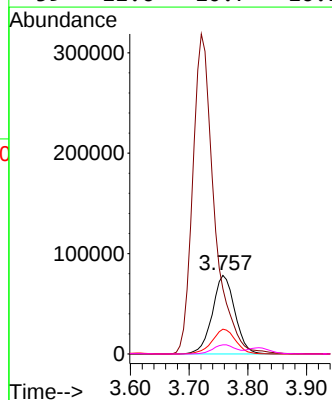
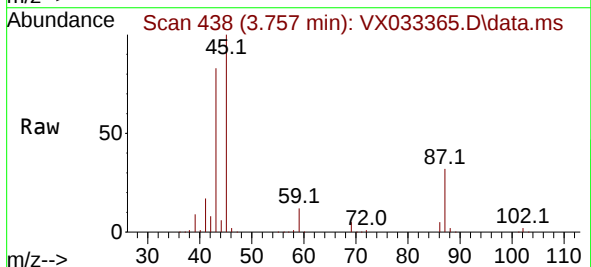
Manual Integrations
APPROVED

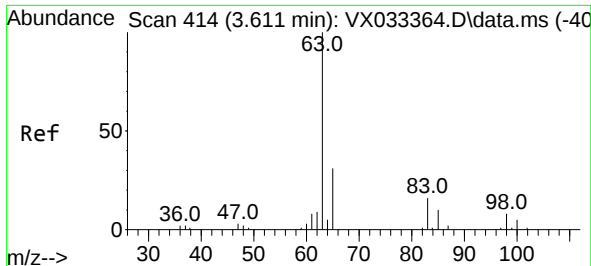
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#20
Diisopropyl ether
Concen: 44.225 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 45 Resp: 208715
Ion Ratio Lower Upper
45 100
43 81.7 74.5 111.7
87 31.6 30.4 45.6
59 11.6 10.7 16.1





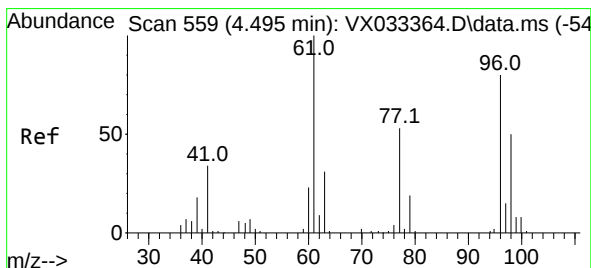
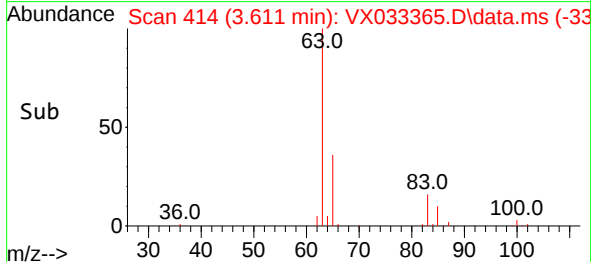
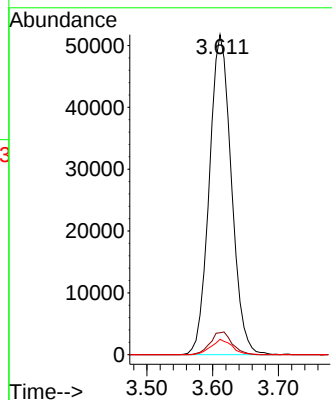
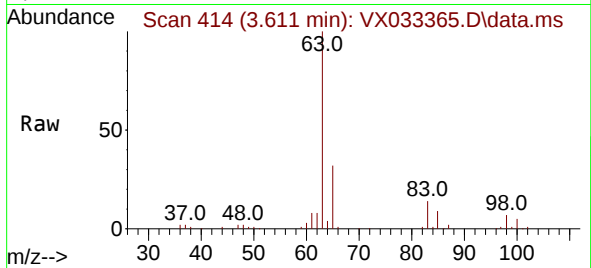
#21
1,1-Dichloroethane
Concen: 45.670 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 12099
Ion Ratio Lower Upper
63 100
98 6.8 4.5 13.7
100 4.8 2.8 8.3

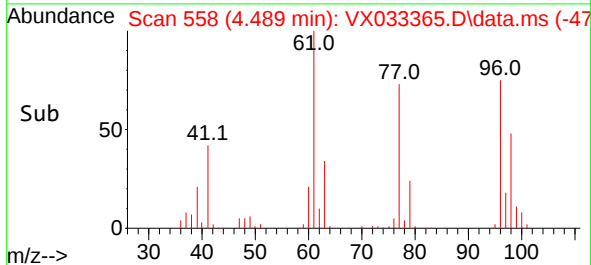
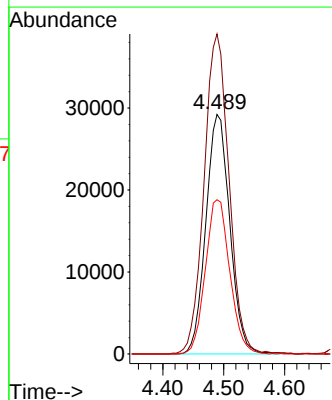
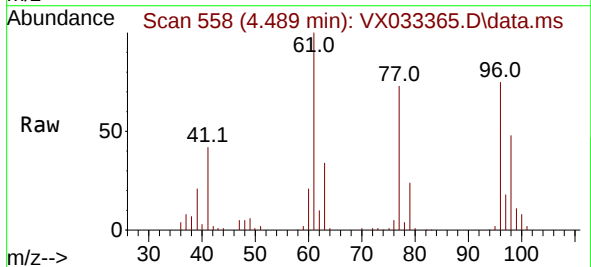
Manual Integrations
APPROVED

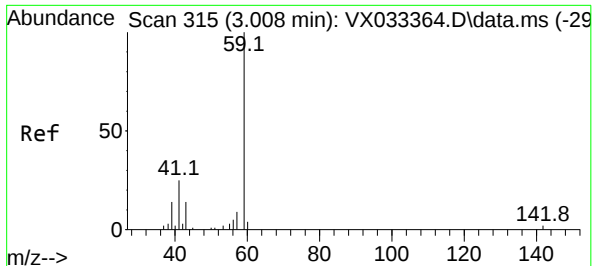
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#22
cis-1,2-Dichloroethene
Concen: 46.922 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

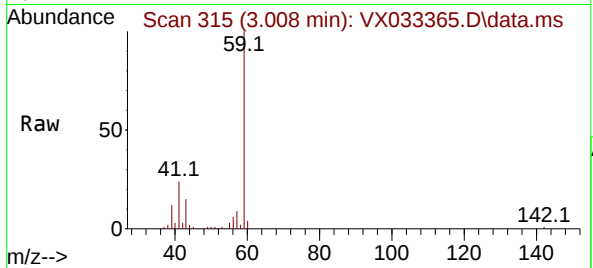
Tgt Ion: 96 Resp: 79938
Ion Ratio Lower Upper
96 100
61 138.4 98.0 147.0
98 65.6 52.2 78.4





#23
tert-Butyl Alcohol
Concen: 289.143 ug/l m
RT: 3.008 min Scan# 315
Delta R.T. 0.024 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

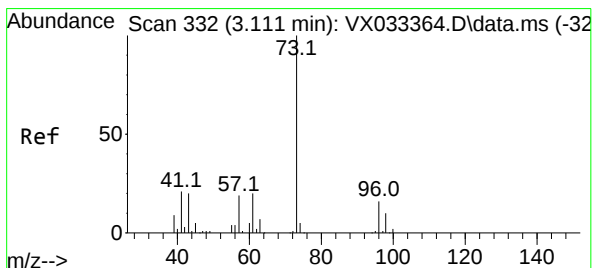
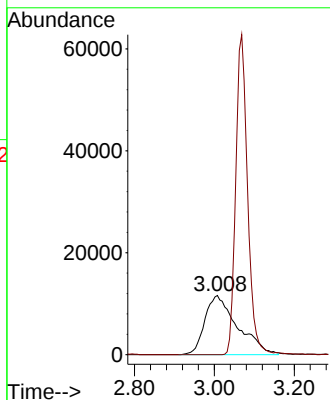
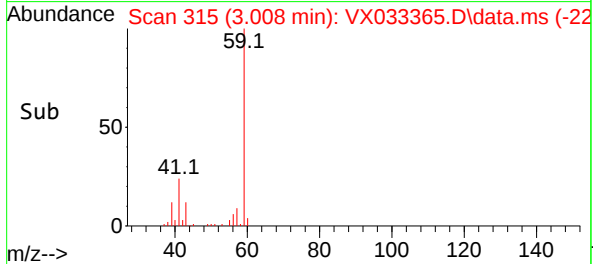
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 59 Resp: 66030
Ion Ratio Lower Upper
59 100
52 195.7 0.0 0.0

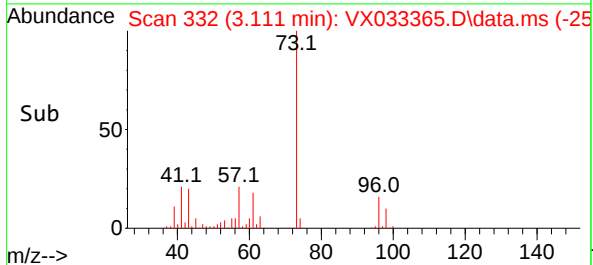
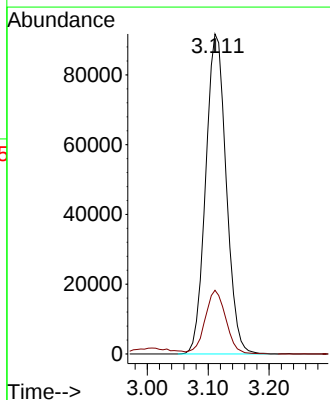
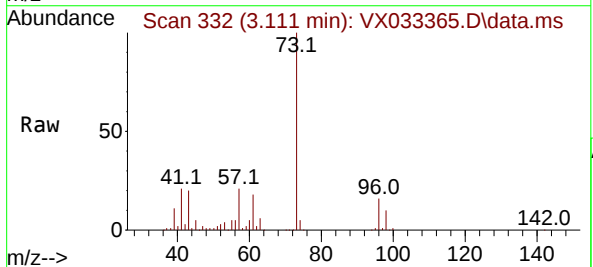
Manual Integrations
APPROVED

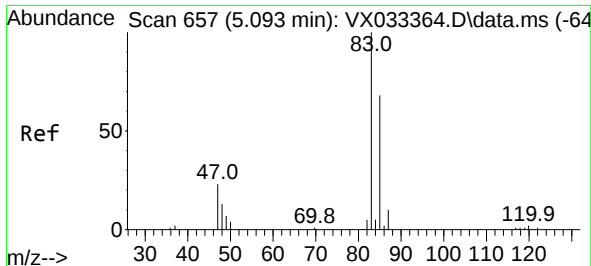
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#24
Methyl tert-Butyl Ether
Concen: 45.297 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 73 Resp: 214846
Ion Ratio Lower Upper
73 100
43 20.2 14.8 22.2





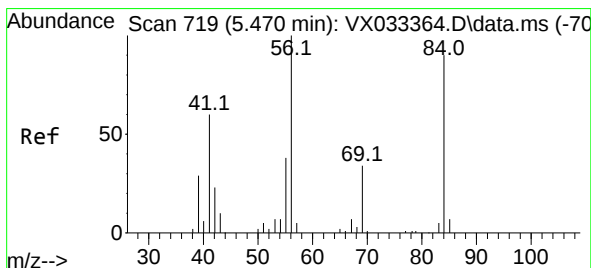
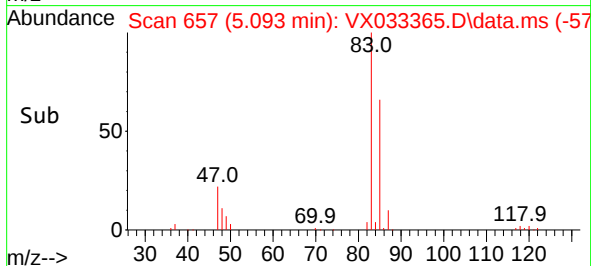
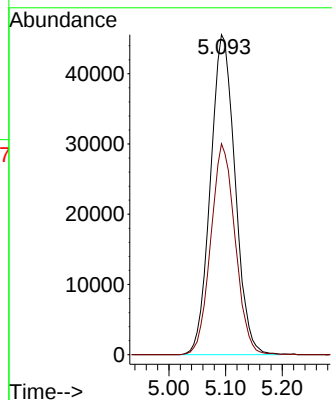
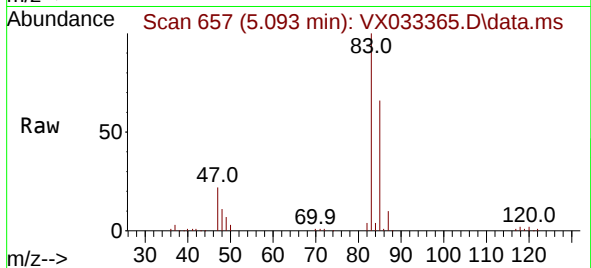
#25
Chloroform
Concen: 46.508 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 137424
Ion Ratio Lower Upper
83 100
85 65.9 51.4 77.0

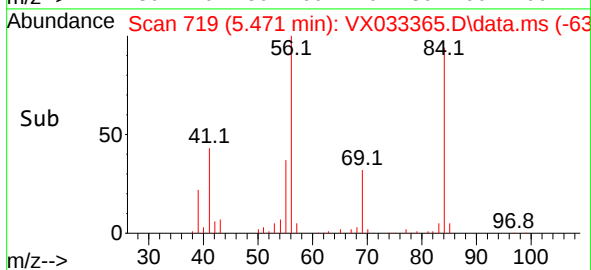
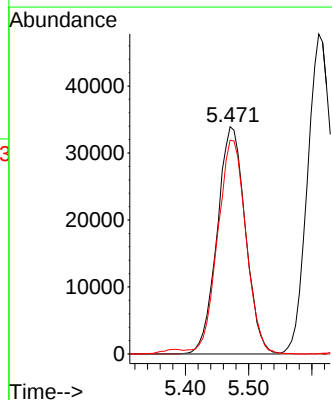
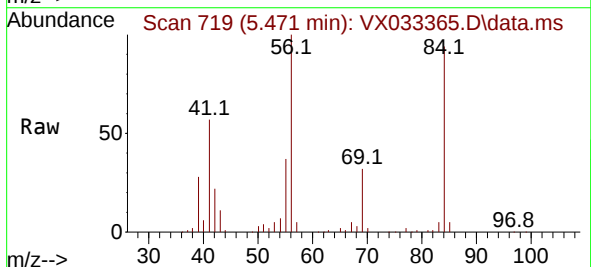
Manual Integrations
APPROVED

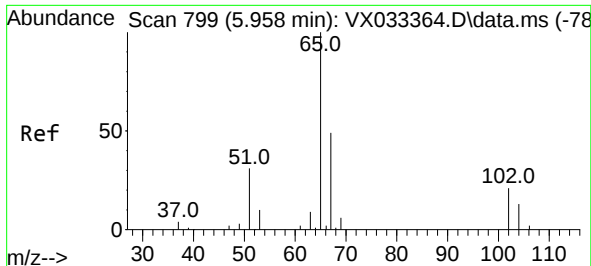
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#26
Cyclohexane
Concen: 45.431 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 56 Resp: 105109
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 94.2 86.6 130.0





#27

1,2-Dichloroethane-d4

Concen: 27.450 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 36058

Ion Ratio Lower Upper

65 100

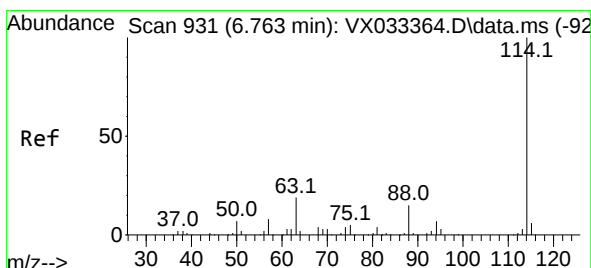
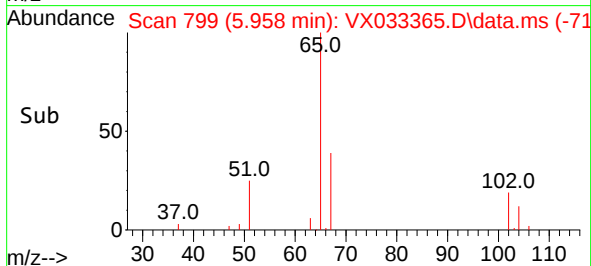
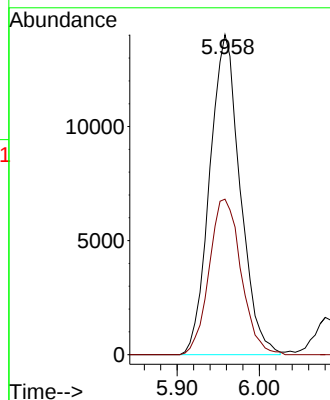
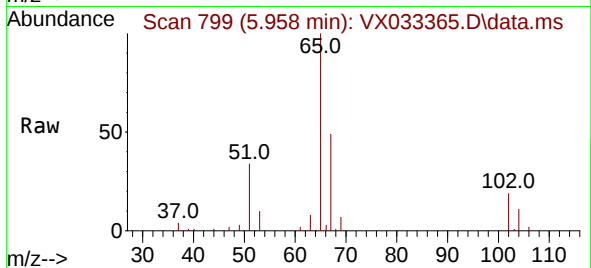
67 51.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

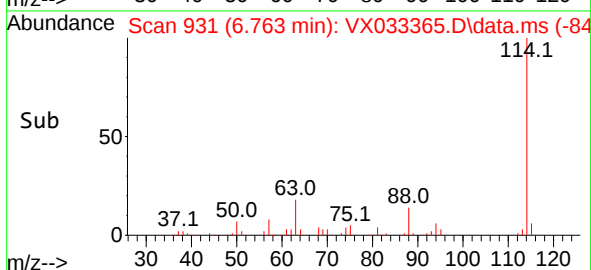
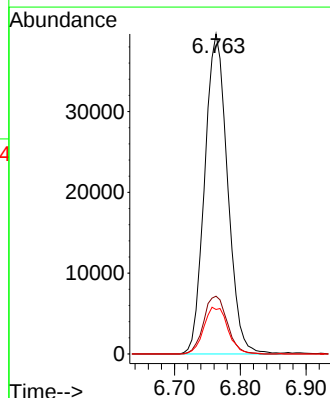
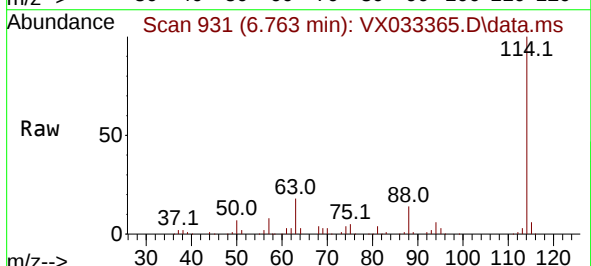
Tgt Ion:114 Resp: 95793

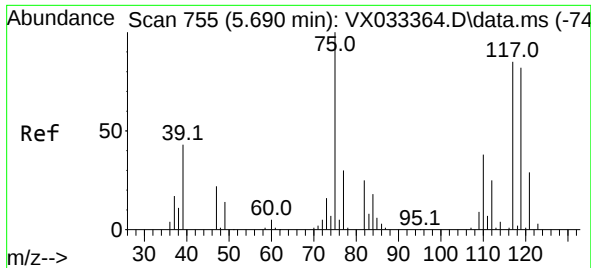
Ion Ratio Lower Upper

114 100

63 18.6 13.6 20.4

88 15.4 11.8 17.6





#29

1,1-Dichloropropene

Concen: 45.873 ug/l

RT: 5.696 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

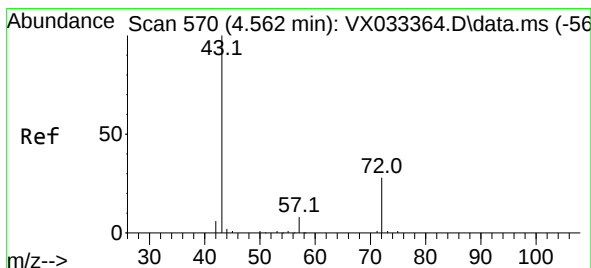
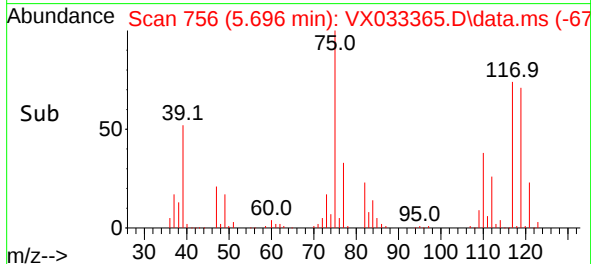
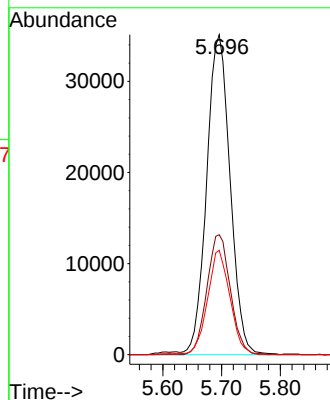
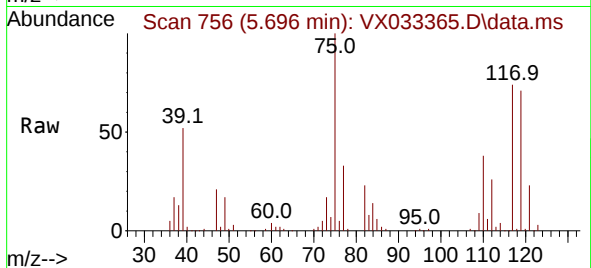
Tgt Ion:	75	Resp:	97458
Ion	Ratio	Lower	Upper
75	100		
110	37.3	0.0	80.4
77	31.1	0.0	62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#30

2-Butanone

Concen: 243.898 ug/l

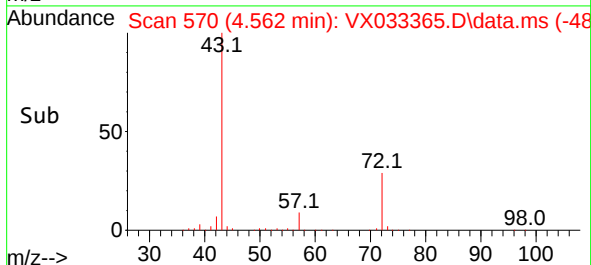
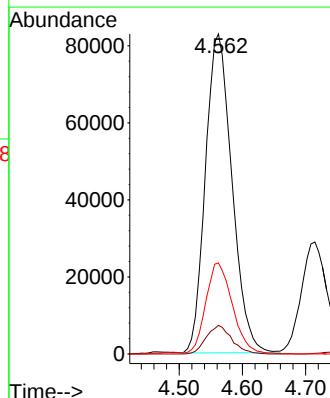
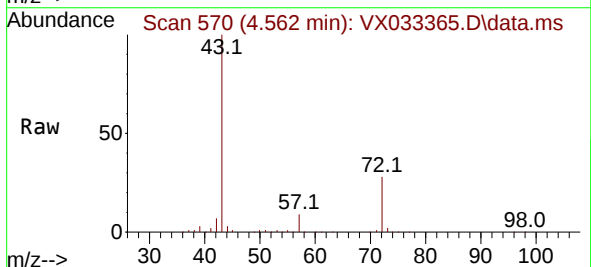
RT: 4.562 min Scan# 570

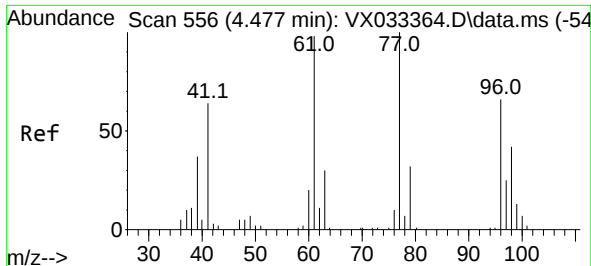
Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Tgt Ion:	43	Resp:	241608
Ion	Ratio	Lower	Upper
43	100		
57	8.6	7.5	11.3
72	28.7	26.6	39.8





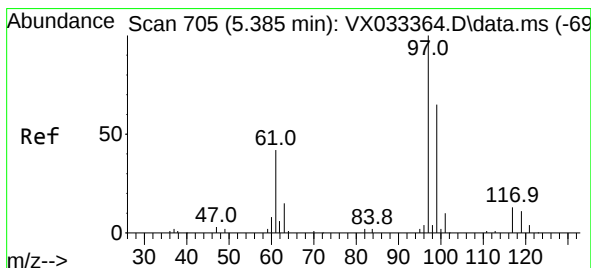
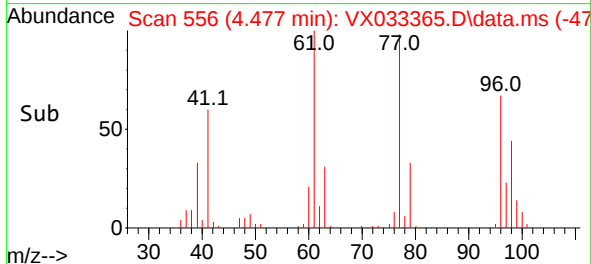
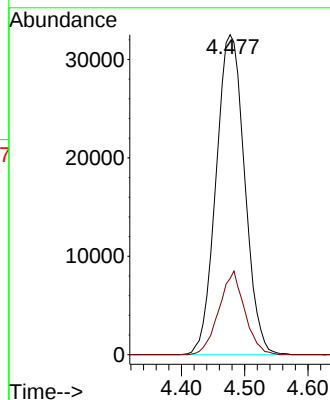
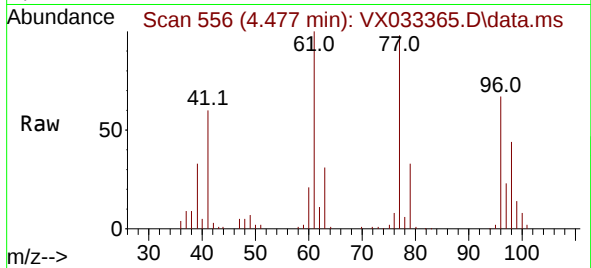
#31
2,2-Dichloropropane
Concen: 56.213 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 10213
Ion Ratio Lower Upper
77 100
97 23.5 20.0 30.0

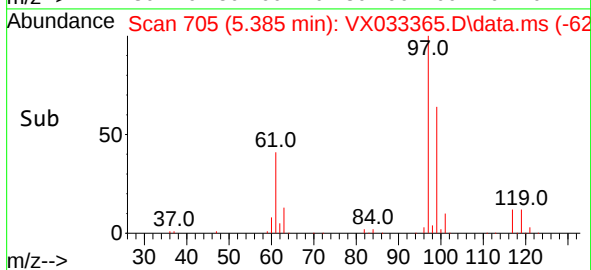
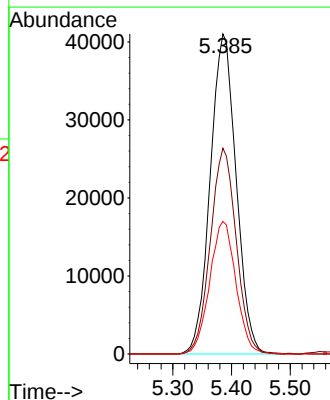
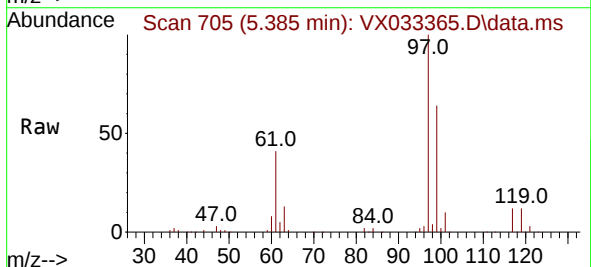
Manual Integrations
APPROVED

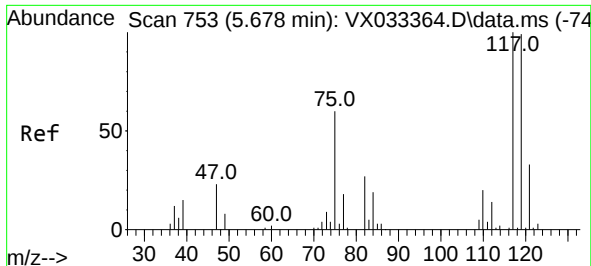
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#32
1,1,1-Trichloroethane
Concen: 47.071 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

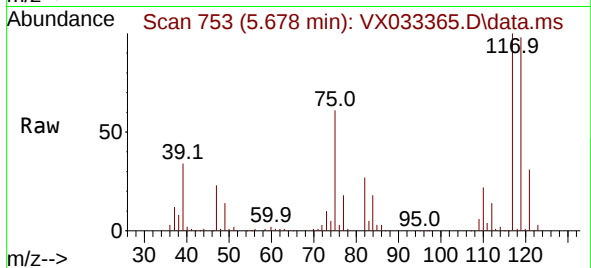
Tgt Ion: 97 Resp: 125793
Ion Ratio Lower Upper
97 100
99 64.2 53.8 80.6
61 41.8 31.3 46.9





#33
Carbon Tetrachloride
Concen: 48.166 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

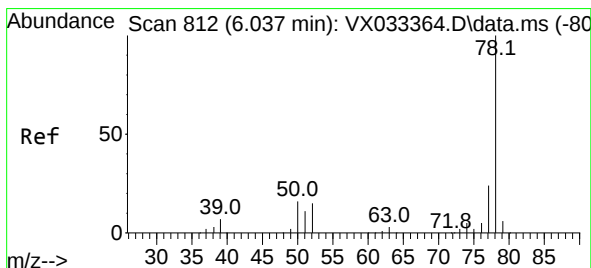
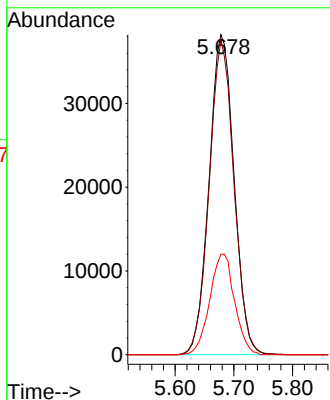
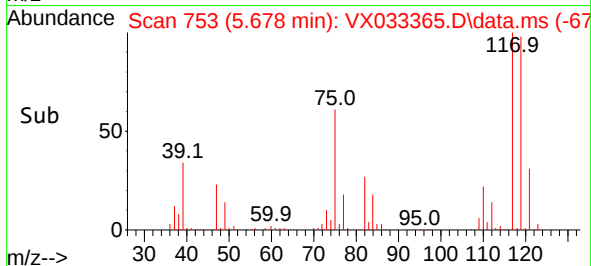
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 117 Resp: 113019
Ion Ratio Lower Upper
117 100
119 98.4 75.4 113.2
121 31.4 24.4 36.6

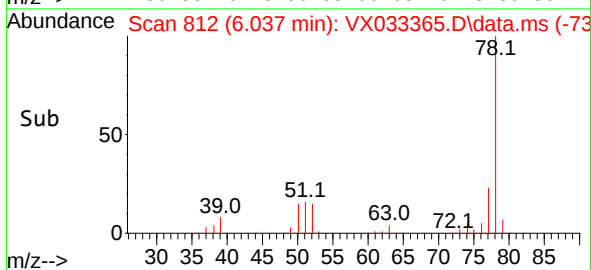
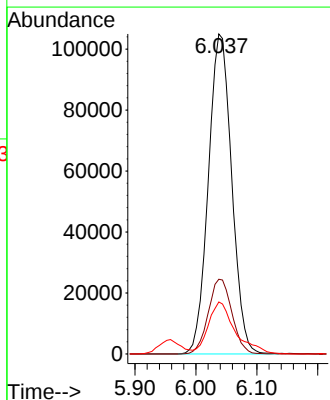
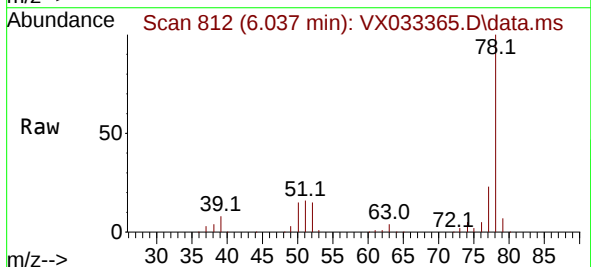
Manual Integrations
APPROVED

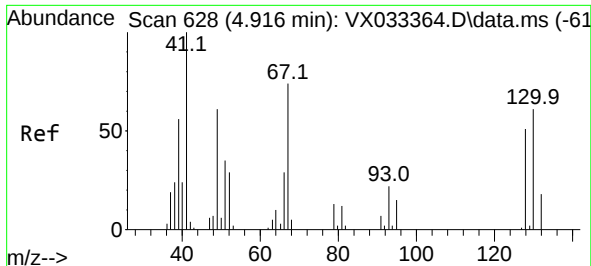
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#34
Benzene
Concen: 46.687 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 78 Resp: 279472
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6
51 16.0 10.6 15.8#





#35
Methacrylonitrile
Concen: 42.854 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

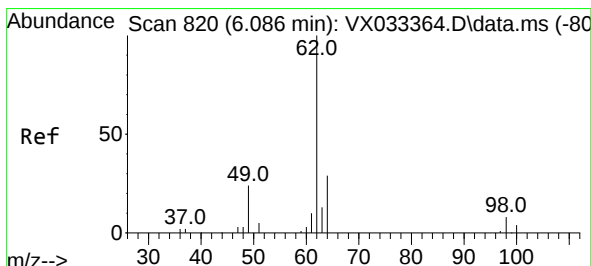
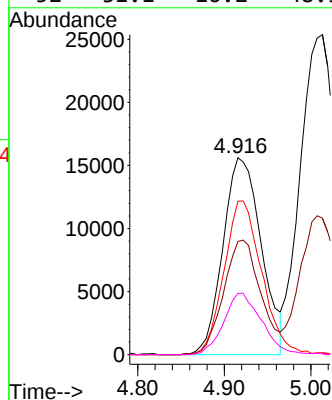
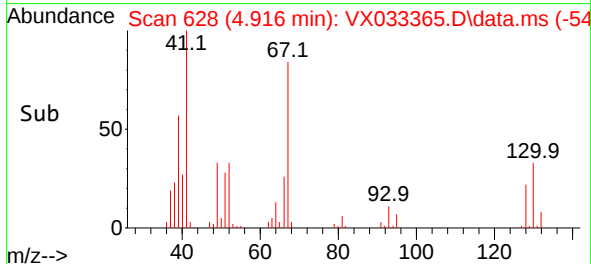
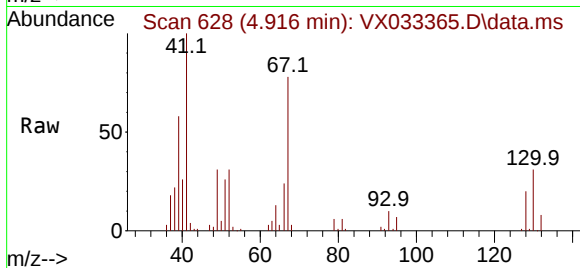
Tgt Ion: 41 Resp: 48080
Ion Ratio Lower Upper
41 100
39 57.5 26.9 80.7
67 77.9 40.6 121.8
52 31.1 16.2 48.5

Manual Integrations

APPROVED

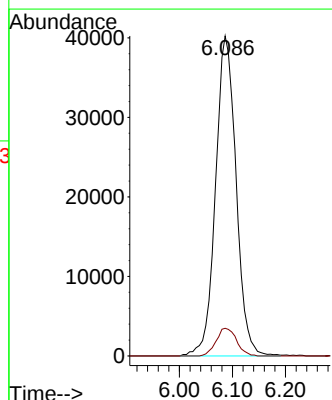
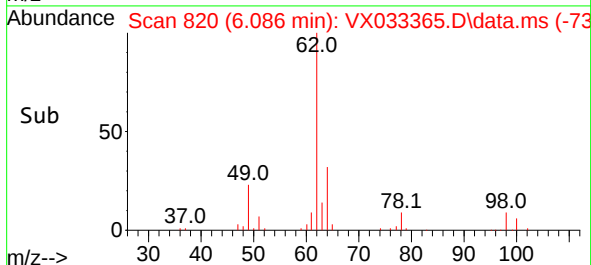
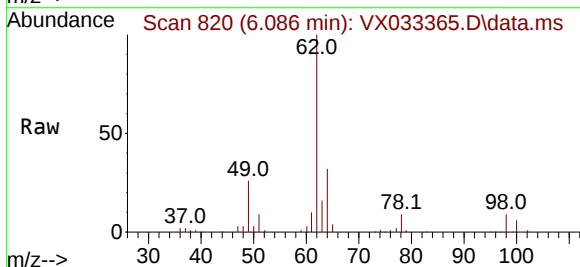
Reviewed By :John Carlone 12/13/2022

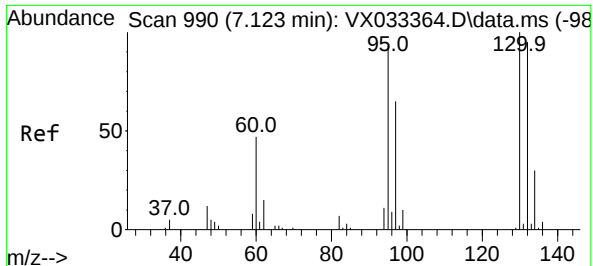
Supervised By :Mahesh Dadoda 12/13/2022



#36
1,2-Dichloroethane
Concen: 43.935 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

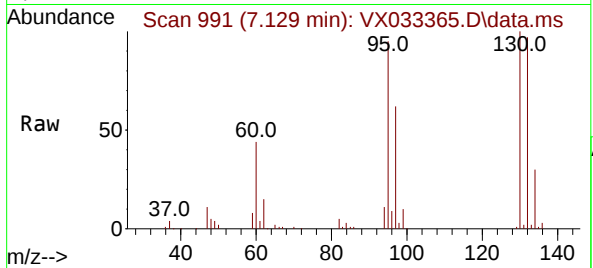
Tgt Ion: 62 Resp: 108268
Ion Ratio Lower Upper
62 100
98 8.6 8.8 13.2#





#37
Trichloroethene
Concen: 46.928 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

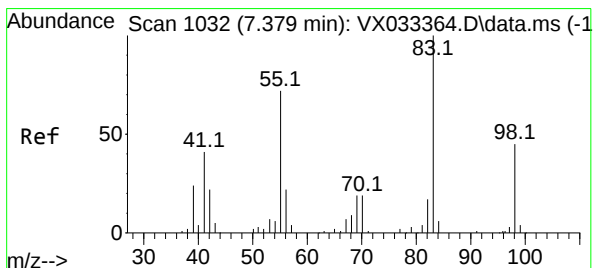
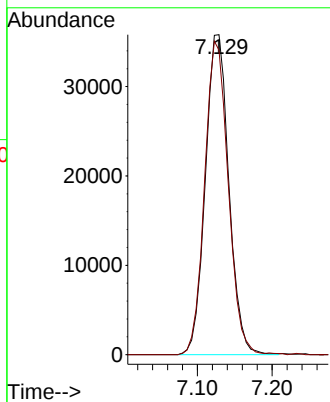
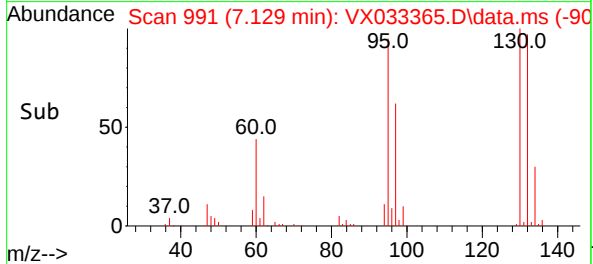
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



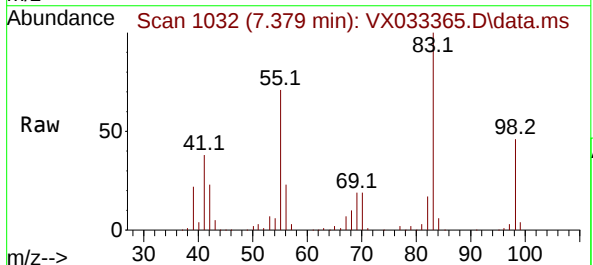
Tgt Ion:130 Resp: 7858
Ion Ratio Lower Upper
130 100
95 95.2 72.4 108.6

Manual Integrations
APPROVED

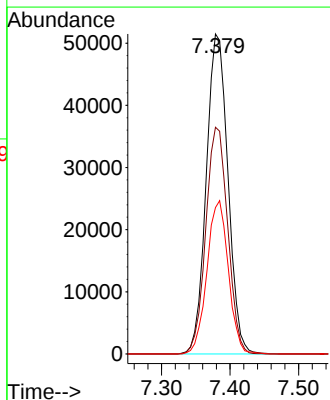
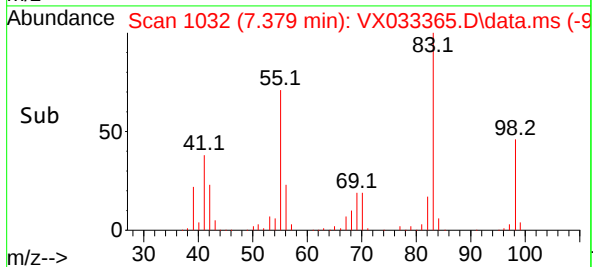
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

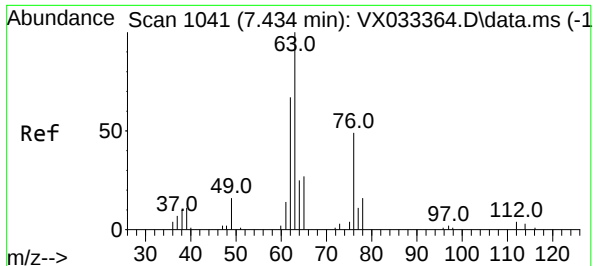


#38
Methylcyclohexane
Concen: 47.583 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



Tgt Ion: 83 Resp: 113264
Ion Ratio Lower Upper
83 100
55 71.5 31.6 94.7
98 47.3 26.9 80.6





#39

1,2-Dichloropropane

Concen: 46.025 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 6973

Ion Ratio Lower Upper

63 100

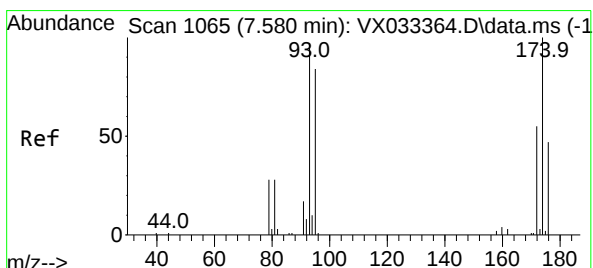
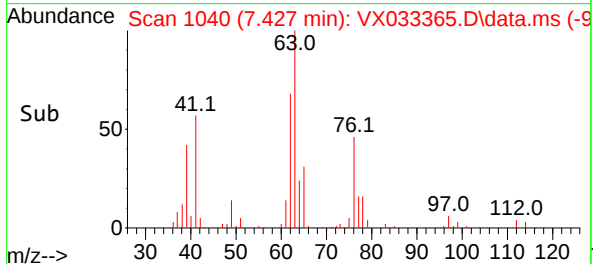
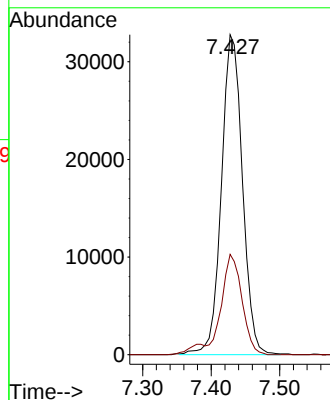
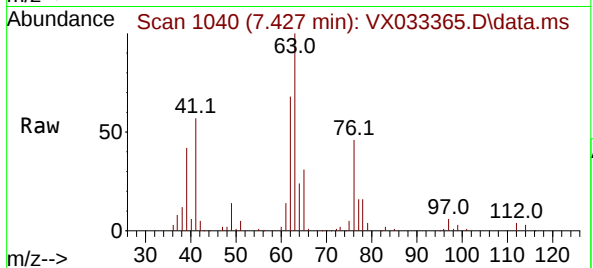
65 31.4 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#40

Dibromomethane

Concen: 45.781 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

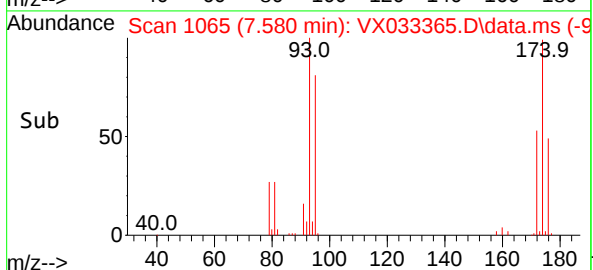
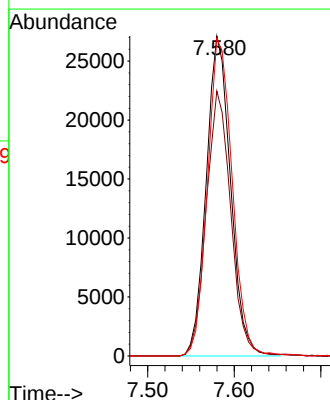
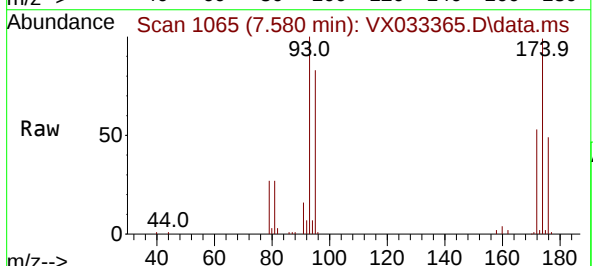
Tgt Ion: 93 Resp: 52962

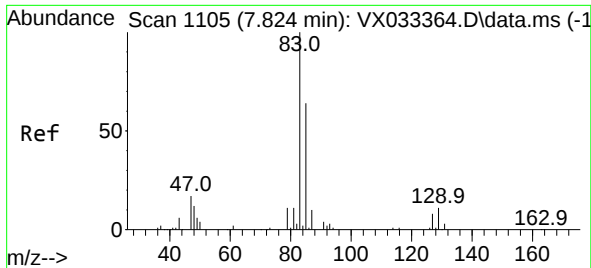
Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.0

174 101.2 0.0 205.2





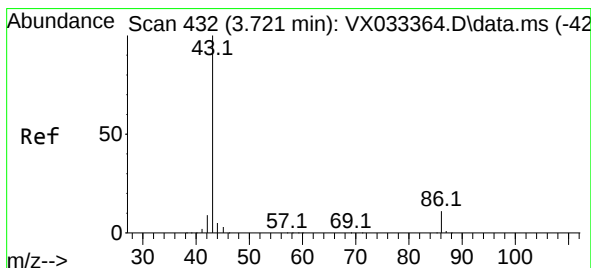
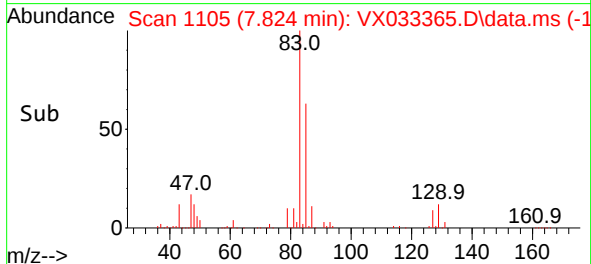
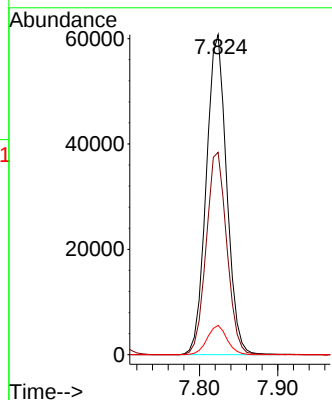
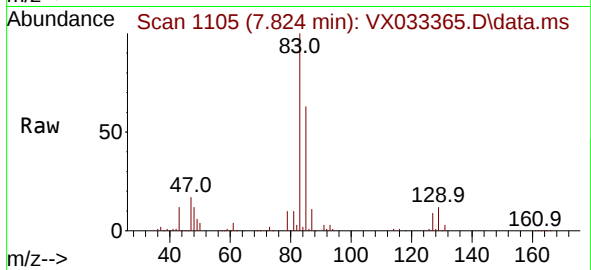
#41
Bromodichloromethane
Concen: 49.778 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 109762
Ion Ratio Lower Upper
83 100
85 63.2 52.3 78.5
127 9.1 6.8 10.2

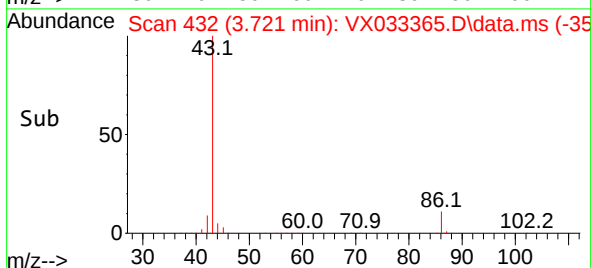
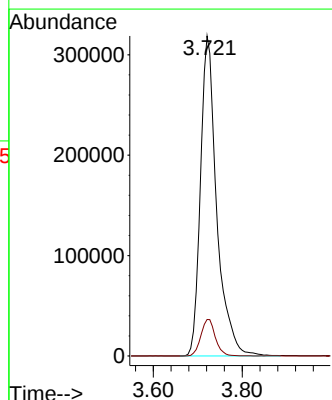
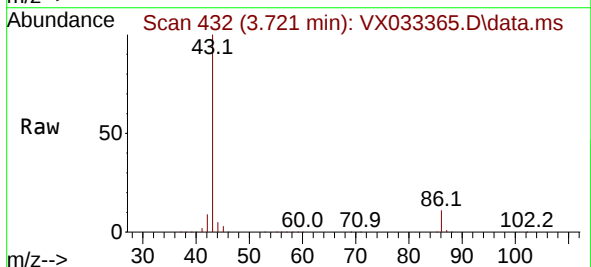
Manual Integrations
APPROVED

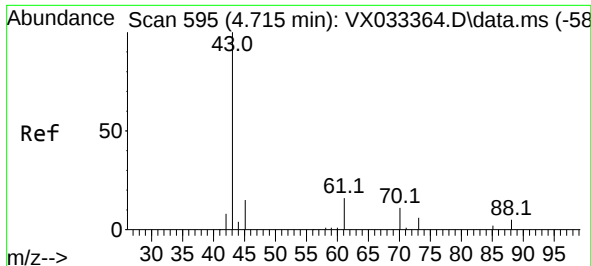
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#42
Vinyl Acetate
Concen: 213.410 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

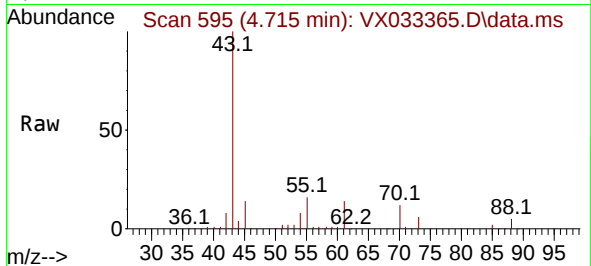
Tgt Ion: 43 Resp: 812328
Ion Ratio Lower Upper
43 100
86 10.2 10.3 15.5#





#43
Ethyl Acetate
Concen: 41.640 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

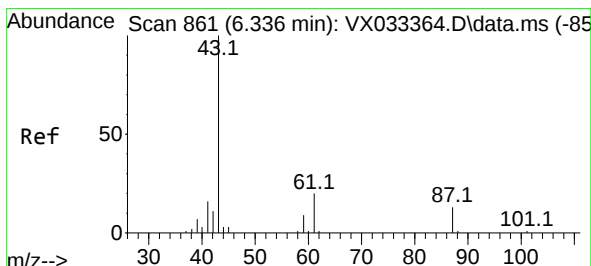
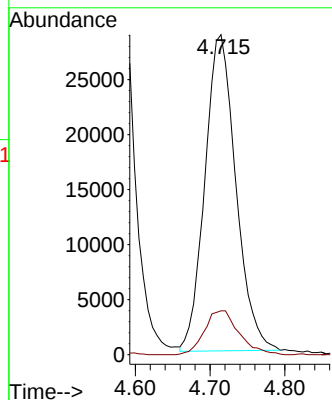
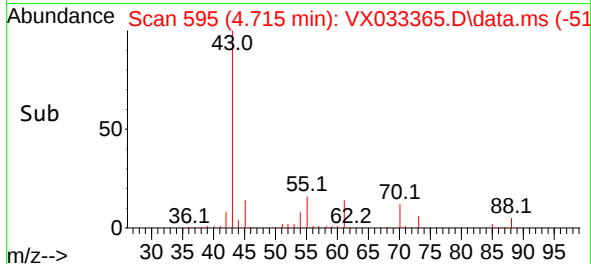
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



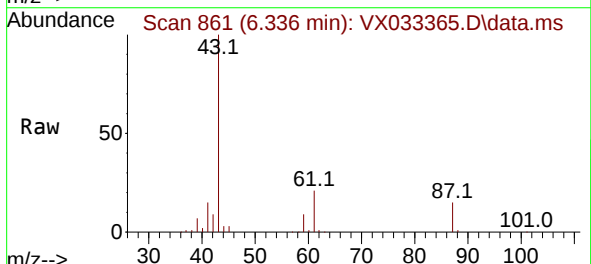
Tgt Ion: 43 Resp: 82978
Ion Ratio Lower Upper
43 100
45 15.5 8.2 12.2

Manual Integrations
APPROVED

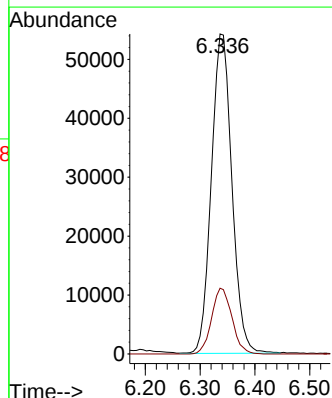
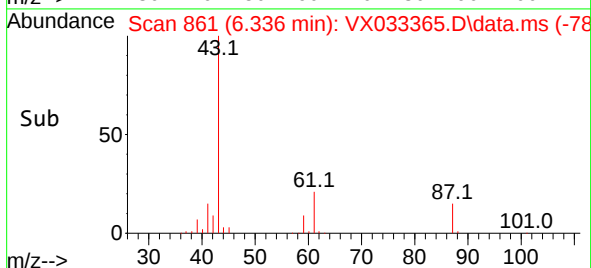
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

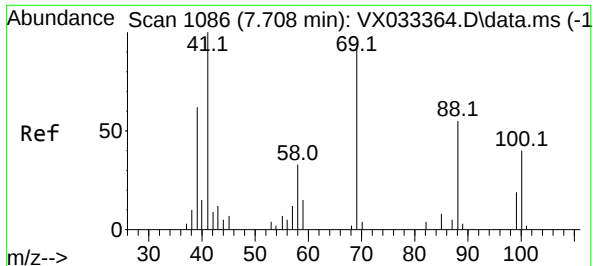


#44
Isopropyl Acetate
Concen: 42.226 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



Tgt Ion: 43 Resp: 141011
Ion Ratio Lower Upper
43 100
61 20.3 17.2 25.8





#45

1,4-Dioxane

Concen: 1058.847 ug/l

RT: 7.702 min Scan# 1086

Delta R.T. 0.012 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

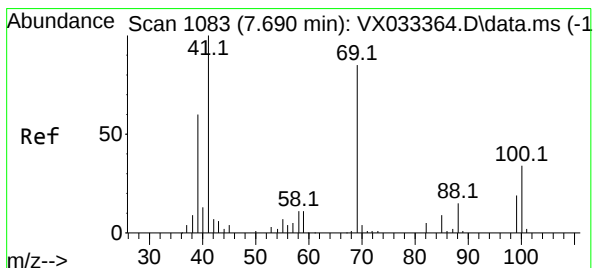
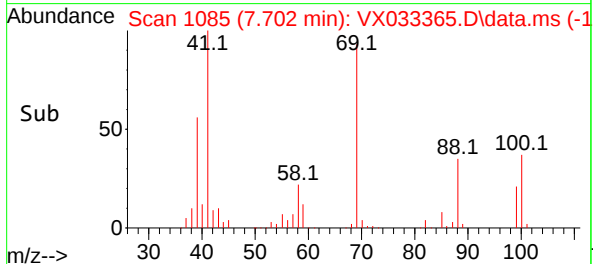
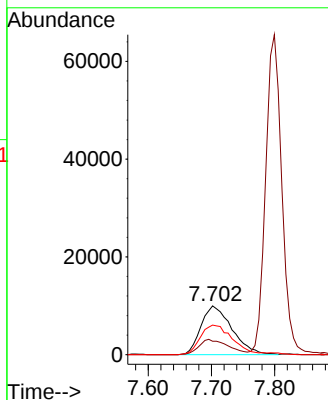
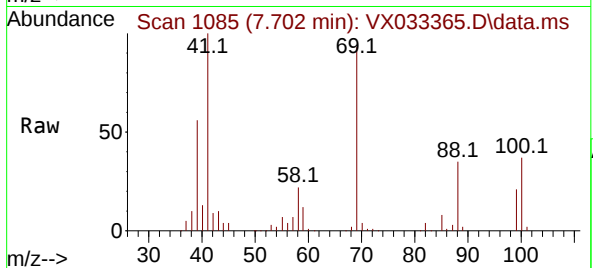
Tgt Ion:	88	Resp:	33964
Ion	Ratio	Lower	Upper
88	100		
43	29.7	20.4	30.6
58	63.2	44.0	66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#46

Methyl methacrylate

Concen: 42.398 ug/l

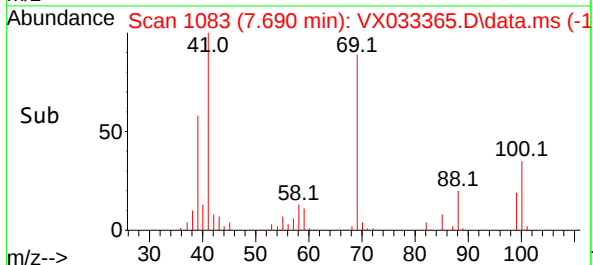
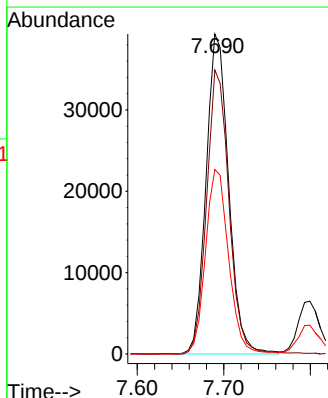
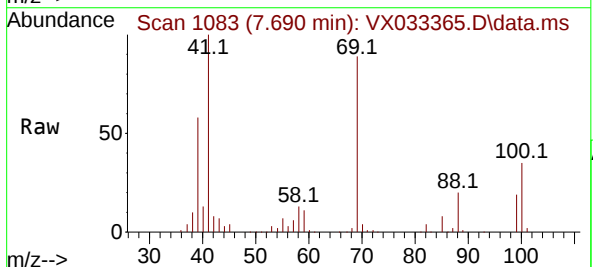
RT: 7.690 min Scan# 1083

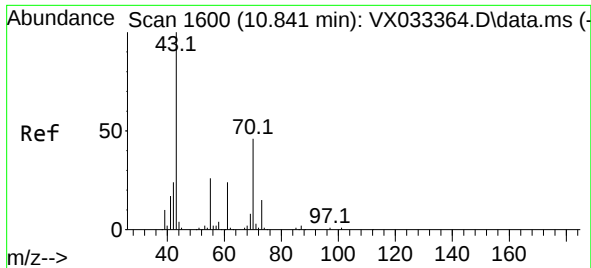
Delta R.T. -0.006 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

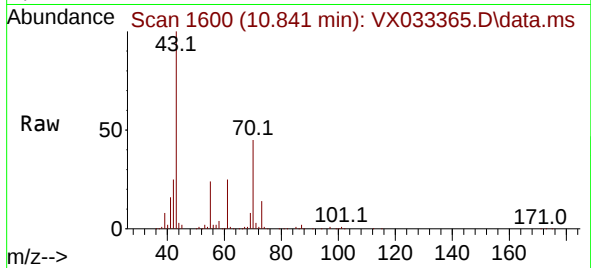
Tgt Ion:	41	Resp:	71277
Ion	Ratio	Lower	Upper
41	100		
69	88.7	50.5	151.5
39	57.6	34.6	103.8





#47
n-amy1 Acetate
Concen: 42.203 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

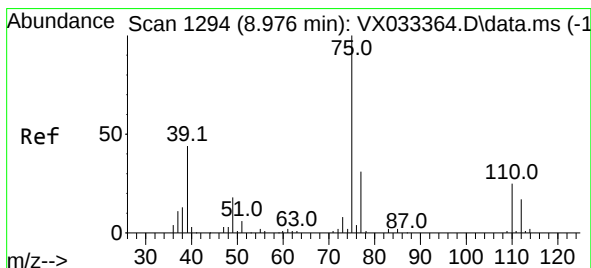
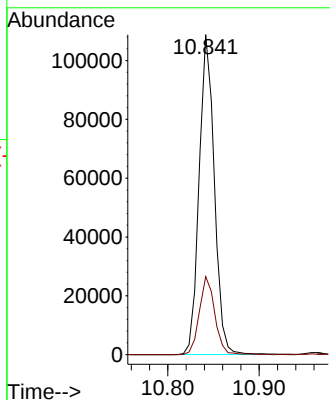
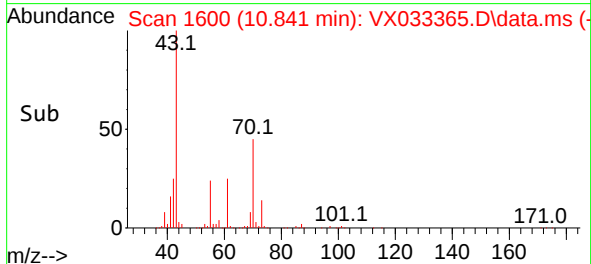
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 125289
Ion Ratio Lower Upper
43 100
55 24.7 21.6 32.4

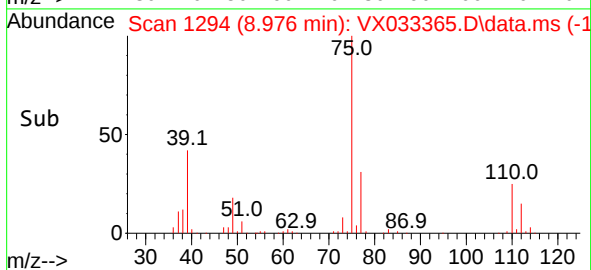
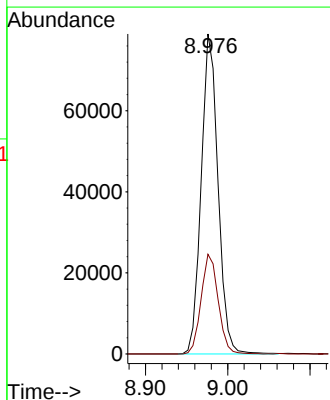
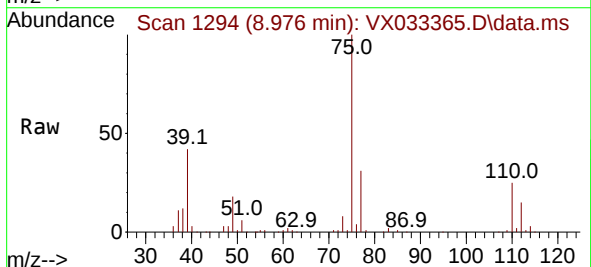
Manual Integrations
APPROVED

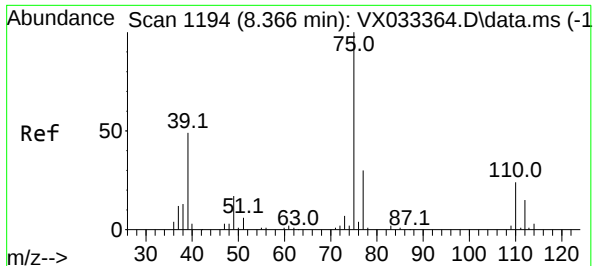
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#48
t-1,3-Dichloropropene
Concen: 49.518 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 75 Resp: 112017
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 50.017 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 11947

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

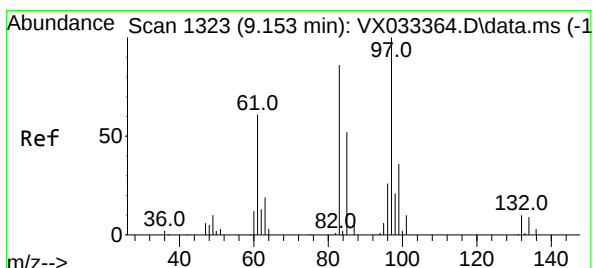
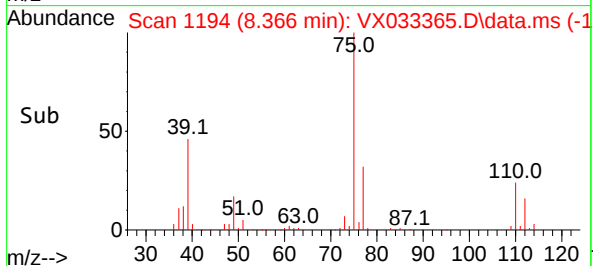
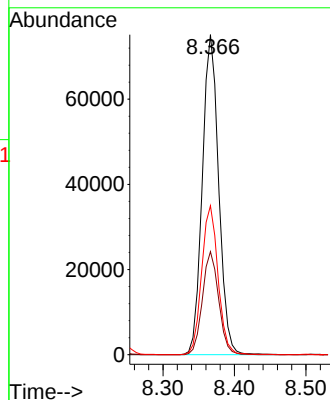
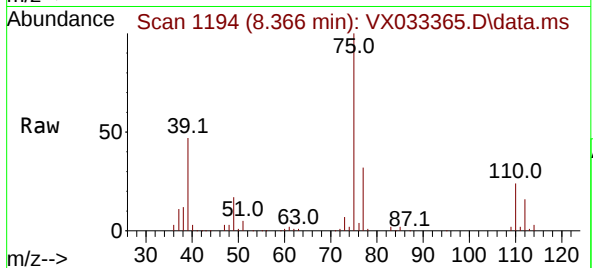
39 46.5 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#50

1,1,2-Trichloroethane

Concen: 46.792 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Tgt Ion: 97 Resp: 74428

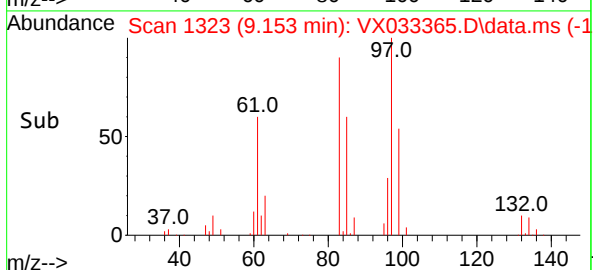
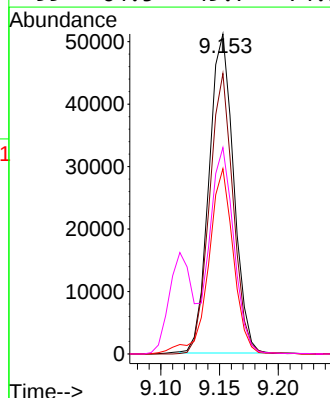
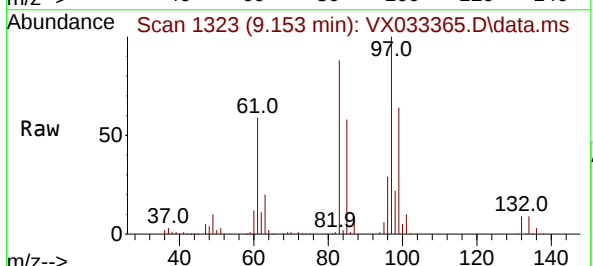
Ion Ratio Lower Upper

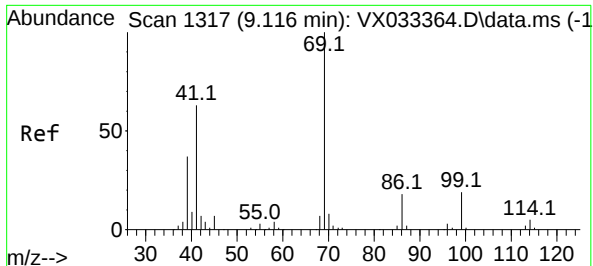
97 100

83 87.8 62.2 93.4

85 57.8 44.2 66.2

99 64.5 49.7 74.5





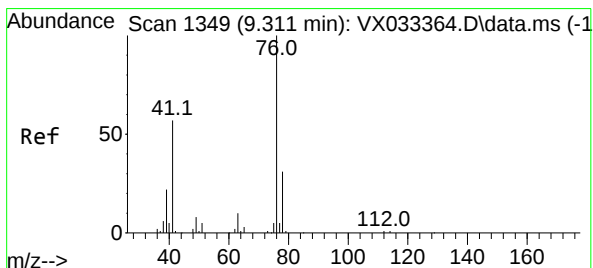
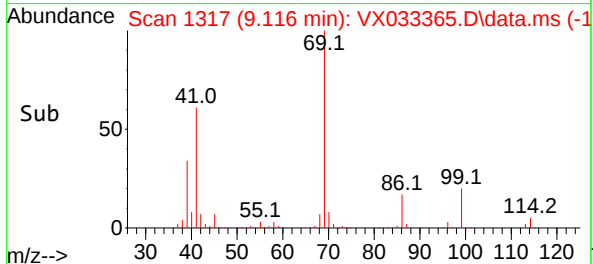
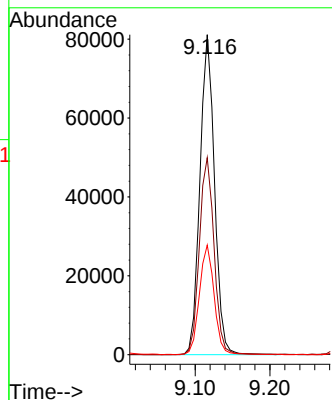
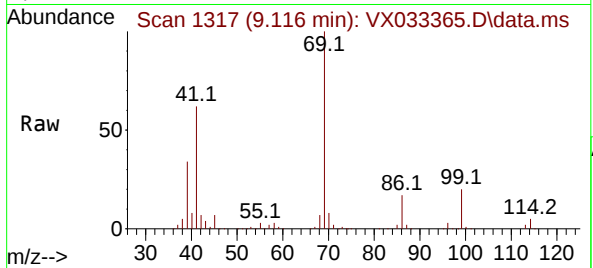
#51
Ethyl methacrylate
Concen: 46.257 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 69 Resp: 109885
Ion Ratio Lower Upper
69 100
41 61.5 25.9 77.7
39 34.2 17.8 53.3

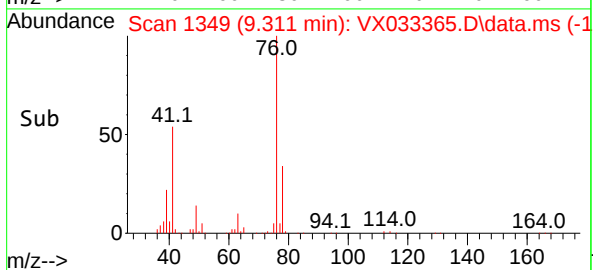
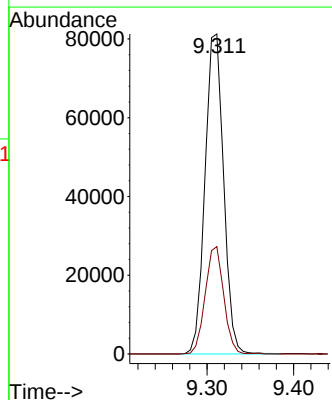
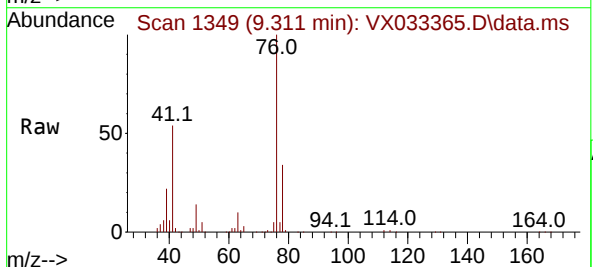
Manual Integrations
APPROVED

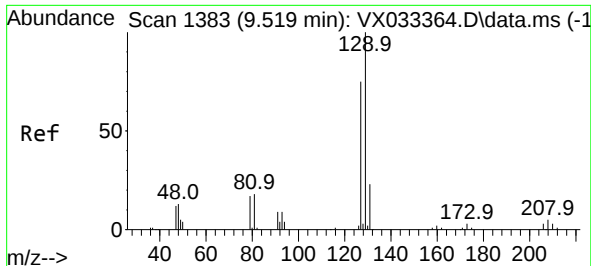
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#52
1,3-Dichloropropane
Concen: 46.573 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 76 Resp: 121114
Ion Ratio Lower Upper
76 100
78 33.1 0.0 66.0





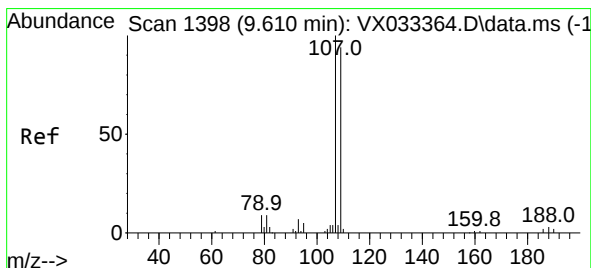
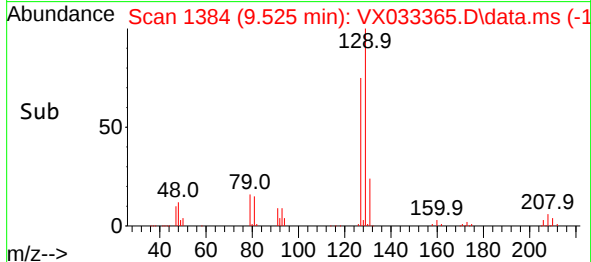
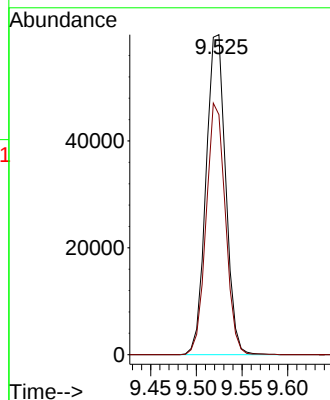
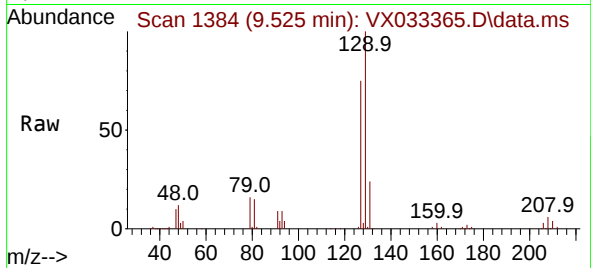
#53
Dibromochloromethane
Concen: 51.640 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 89328
Ion Ratio Lower Upper
129 100
127 76.8 39.0 117.0

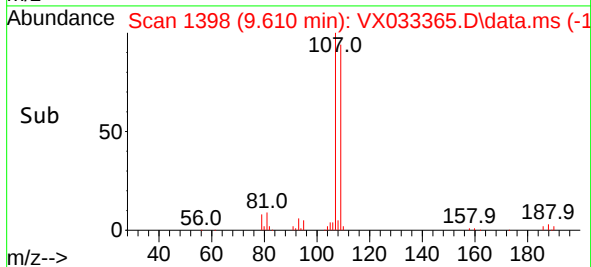
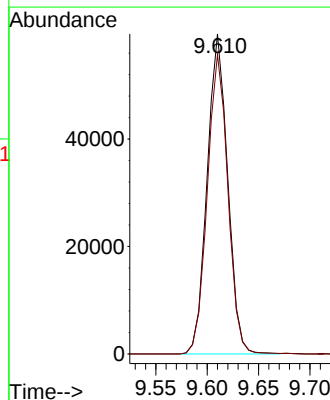
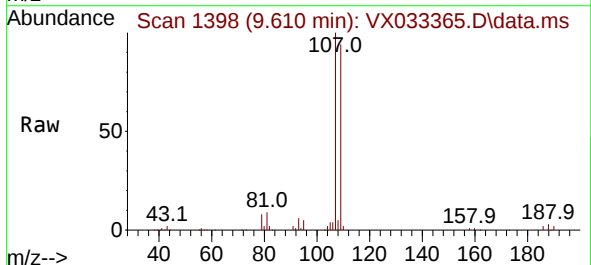
Manual Integrations
APPROVED

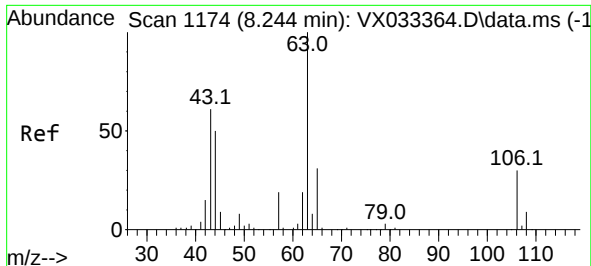
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#54
1,2-Dibromoethane
Concen: 48.279 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion:107 Resp: 82718
Ion Ratio Lower Upper
107 100
109 93.7 75.0 112.6





#55

2-Chloroethyl vinyl ether

Concen: 208.341 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 239174

Ion Ratio Lower Upper

63 100

65 32.4 25.5 38.3

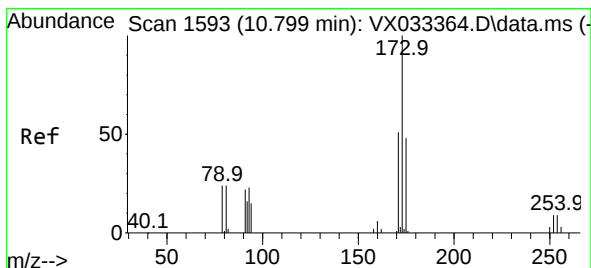
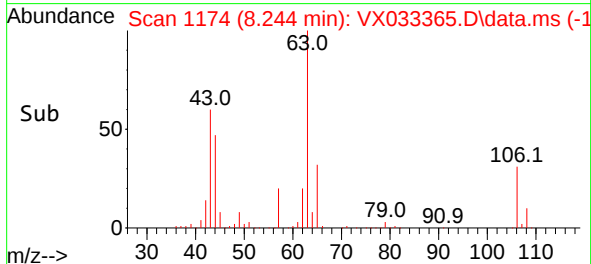
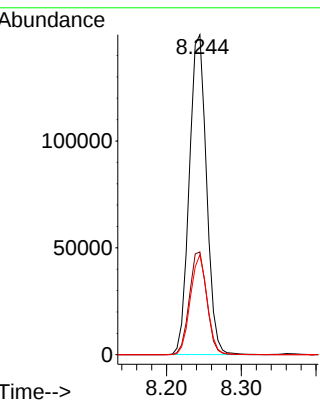
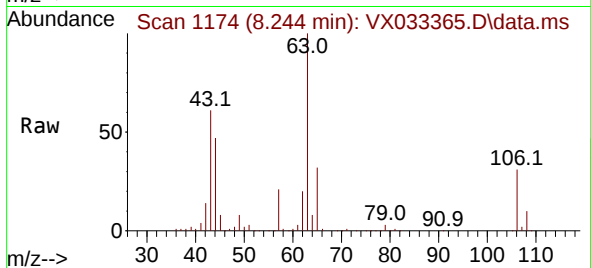
106 30.4 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#56

Bromoform

Concen: 53.543 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

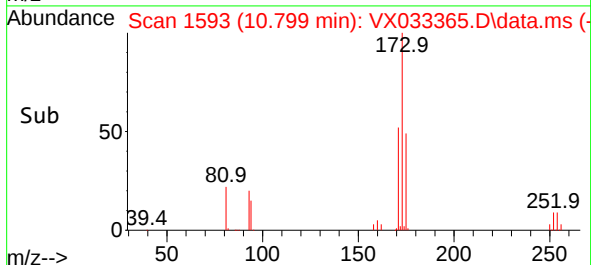
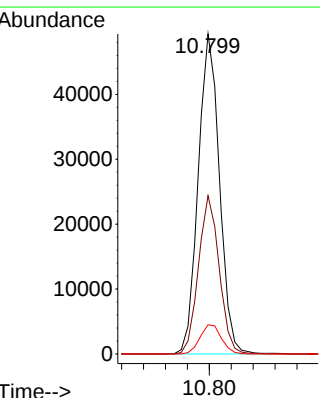
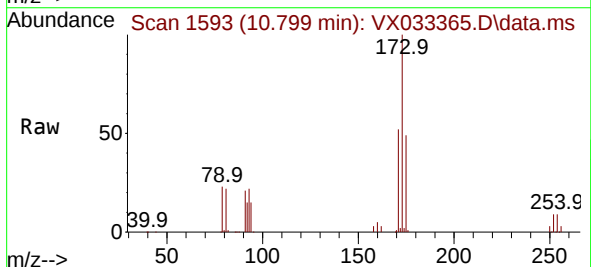
Tgt Ion:173 Resp: 66311

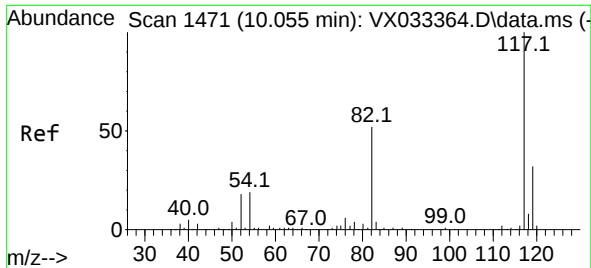
Ion Ratio Lower Upper

173 100

175 48.2 38.6 58.0

254 9.2 6.8 10.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 117 Resp: 105674

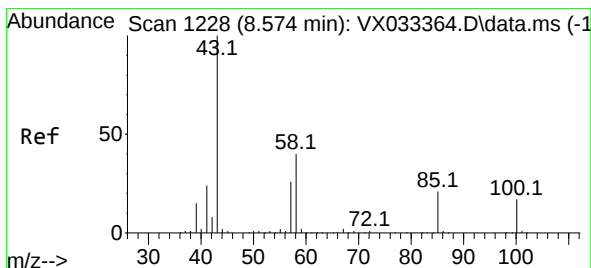
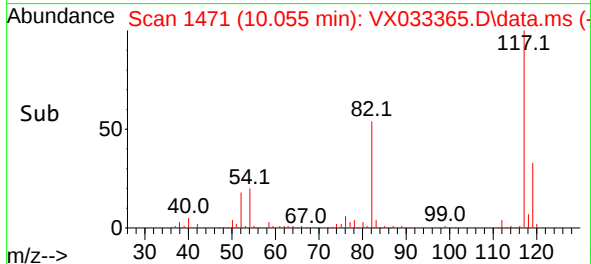
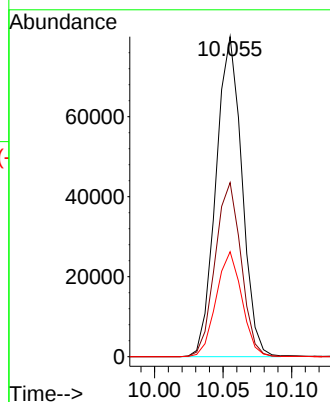
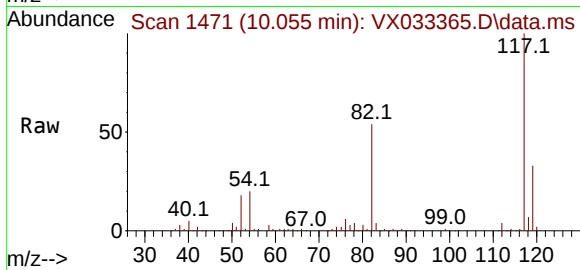
Ion	Ratio	Lower	Upper
117	100		
82	54.4	40.0	60.0
119	32.4	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#58

4-Methyl-2-Pentanone

Concen: 214.512 ug/l

RT: 8.574 min Scan# 1228

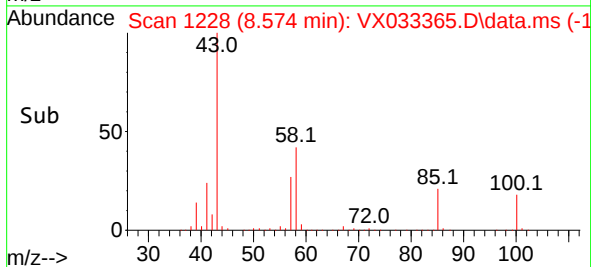
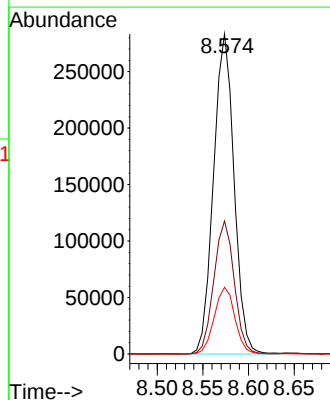
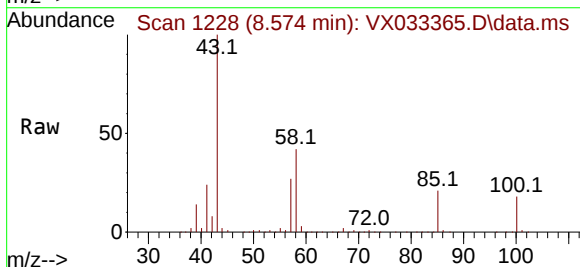
Delta R.T. 0.000 min

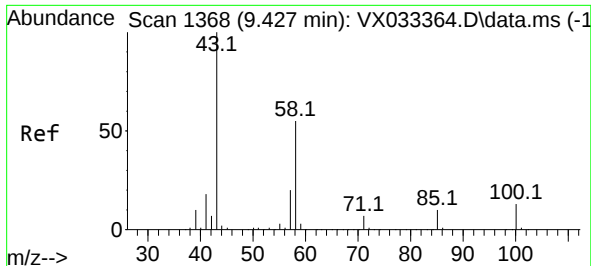
Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Tgt Ion: 43 Resp: 443749

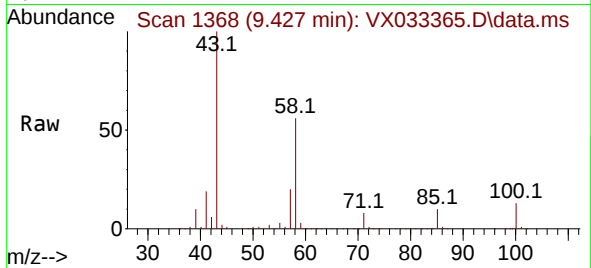
Ion	Ratio	Lower	Upper
43	100		
58	41.3	34.9	52.3
85	20.9	19.4	29.2





#59
2-Hexanone
Concen: 229.873 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

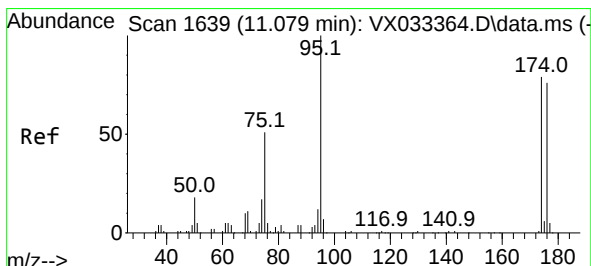
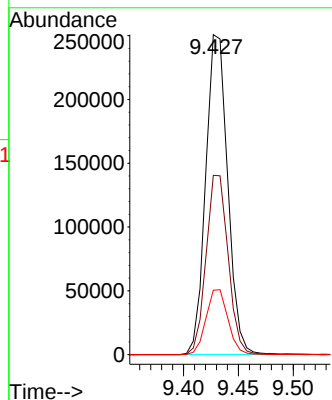
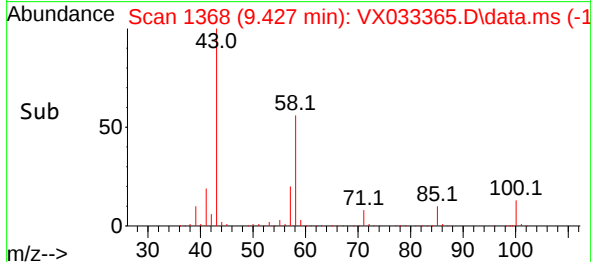
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 350118
Ion Ratio Lower Upper
43 100
58 56.4 49.0 73.6
57 20.4 17.0 25.4

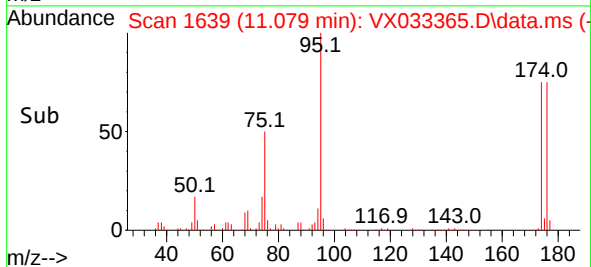
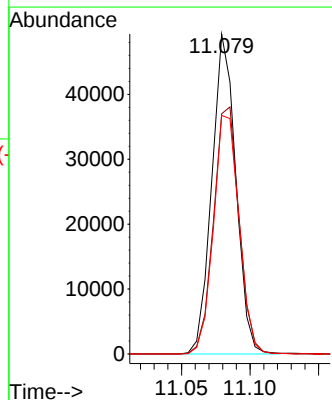
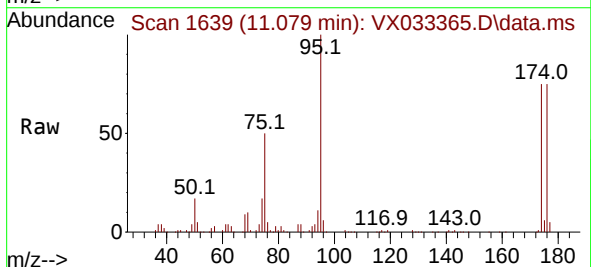
Manual Integrations
APPROVED

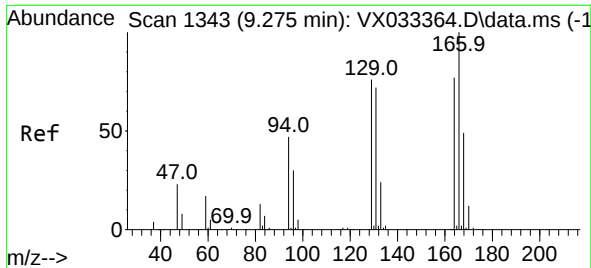
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#60
4-Bromofluorobenzene
Concen: 29.592 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 95 Resp: 59818
Ion Ratio Lower Upper
95 100
174 82.4 68.2 102.2
176 79.9 68.1 102.1





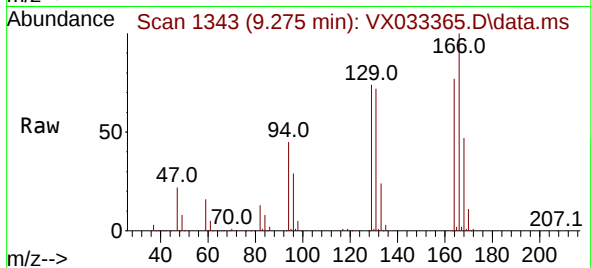
#61
Tetrachloroethene
Concen: 46.909 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050



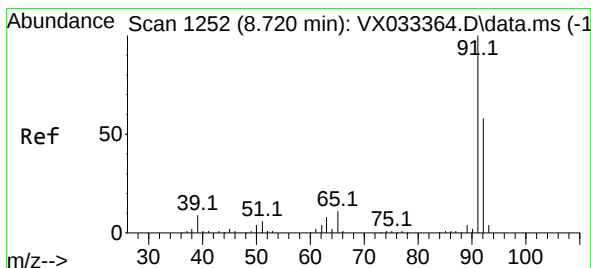
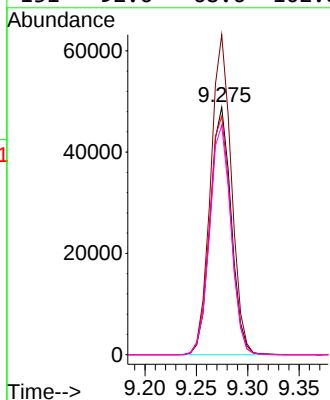
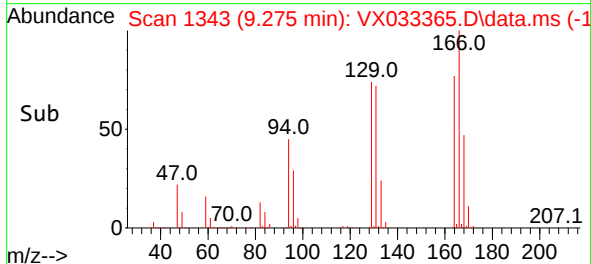
Tgt Ion:164 Resp: 6927
Ion Ratio Lower Upper
164 100
166 129.3 102.8 154.2
129 96.3 73.0 109.4
131 92.6 68.6 102.8

Manual Integrations

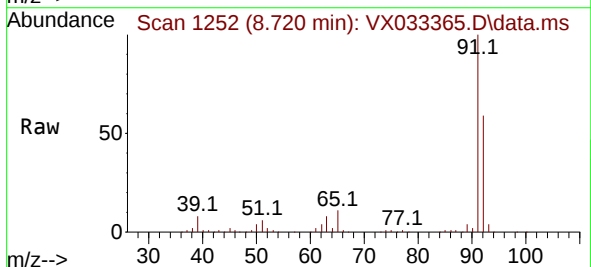
APPROVED

Reviewed By :John Carlone 12/13/2022

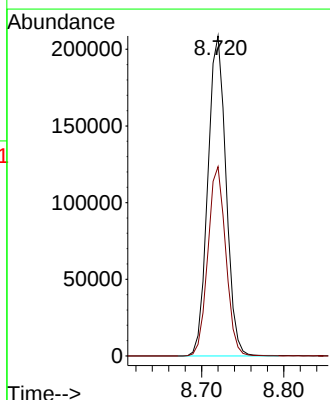
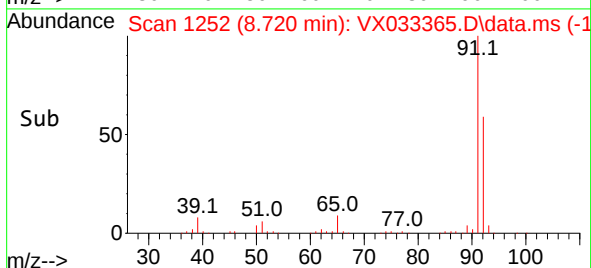
Supervised By :Mahesh Dadoda 12/13/2022

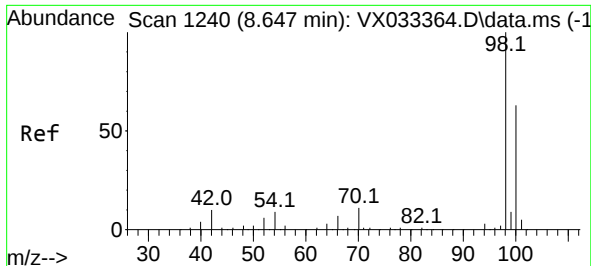


#62
Toluene
Concen: 46.662 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



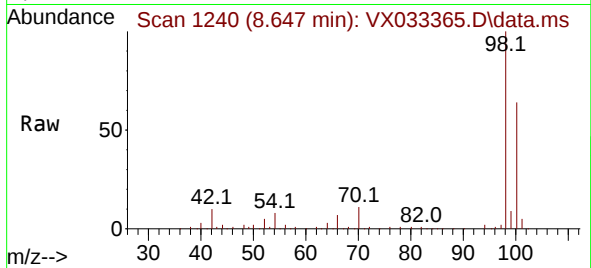
Tgt Ion: 91 Resp: 320678
Ion Ratio Lower Upper
91 100
92 58.2 47.3 70.9





#63
Toluene-d8
Concen: 29.779 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

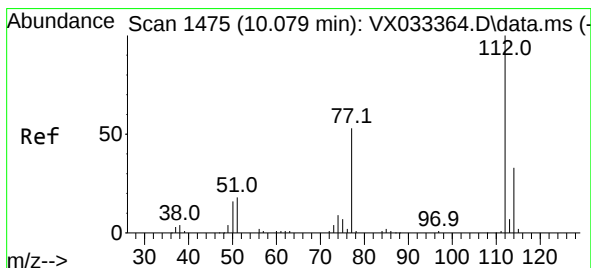
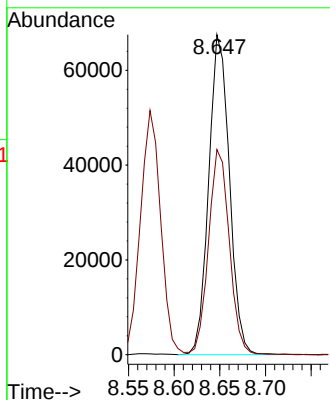
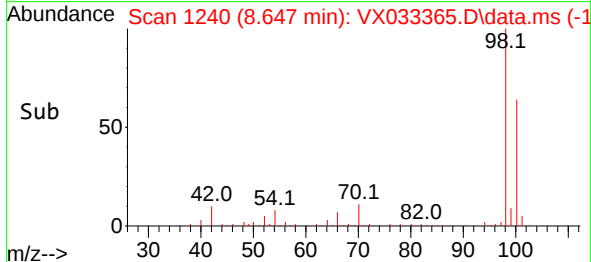
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



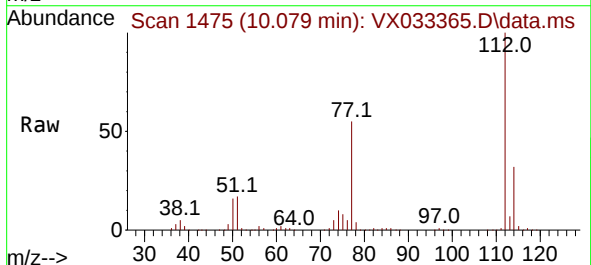
Tgt Ion: 98 Resp: 106200
Ion Ratio Lower Upper
98 100
100 64.4 53.8 80.8

Manual Integrations
APPROVED

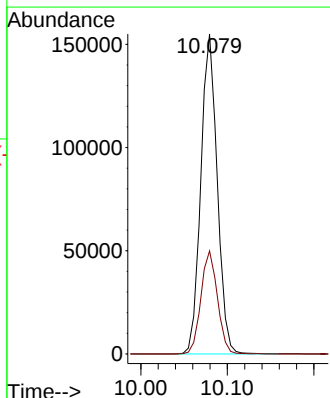
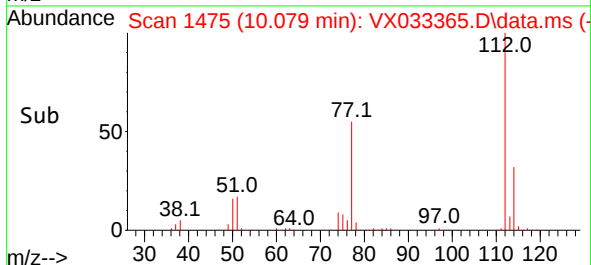
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

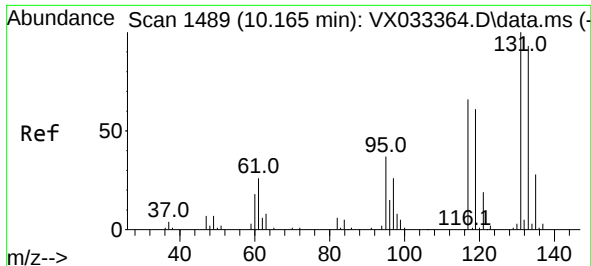


#64
Chlorobenzene
Concen: 47.952 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



Tgt Ion:112 Resp: 203735
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 49.500 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

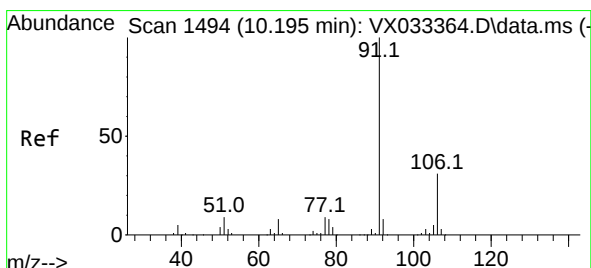
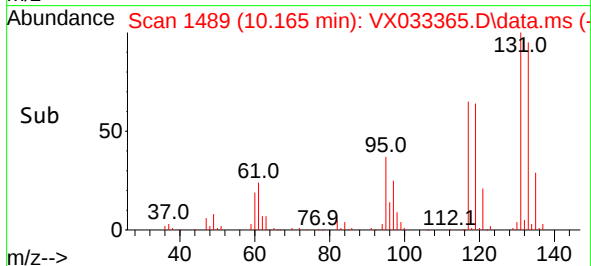
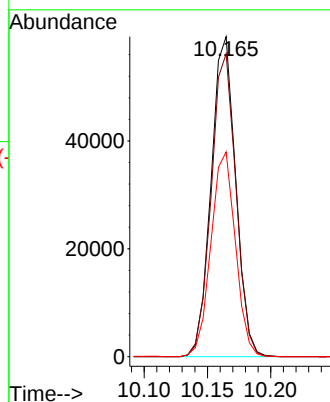
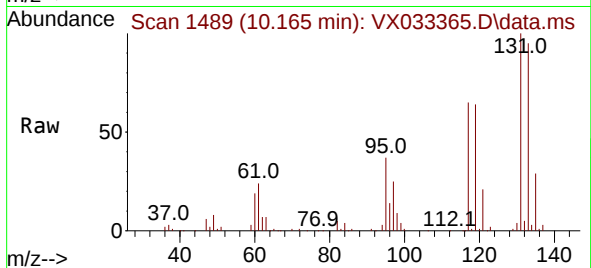
Tgt Ion:	131	Resp:	8011
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	189.4
119	63.8	0.0	127.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#66

Ethyl Benzene

Concen: 47.938 ug/l

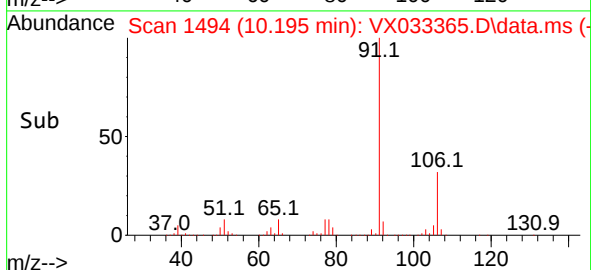
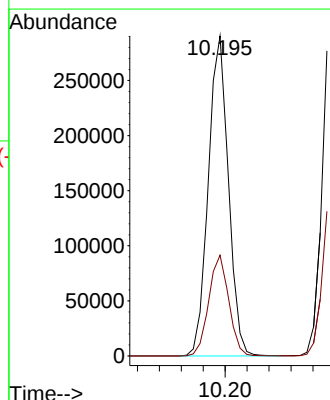
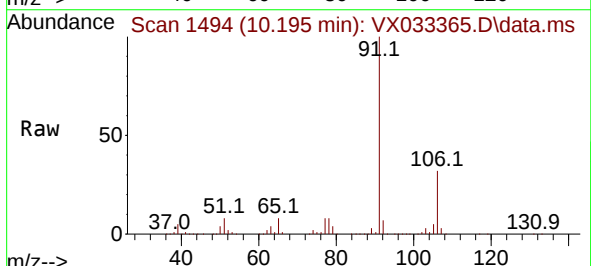
RT: 10.195 min Scan# 1494

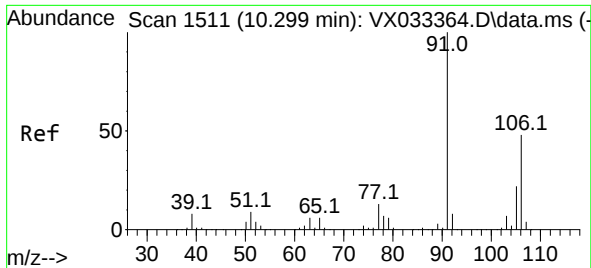
Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Tgt Ion:	91	Resp:	369580
Ion Ratio	Lower	Upper	
91	100		
106	31.5	26.7	40.1





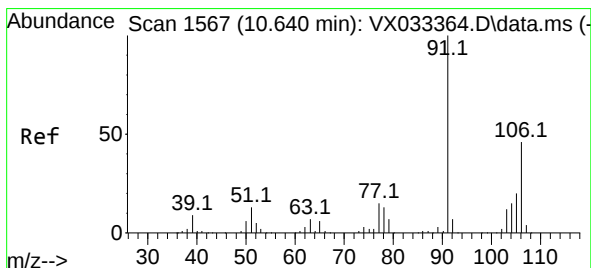
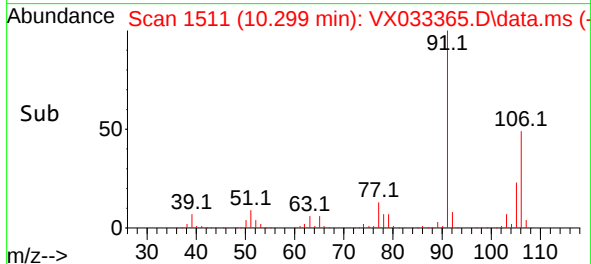
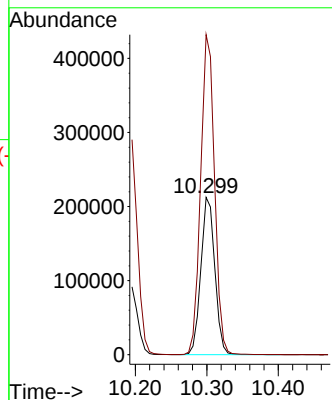
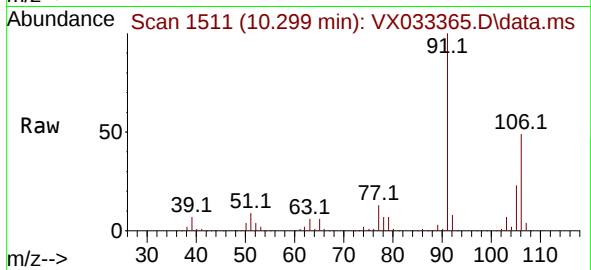
#67
m/p-Xylenes
Concen: 95.871 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 28759
Ion Ratio Lower Upper
106 100
91 202.8 152.3 228.5

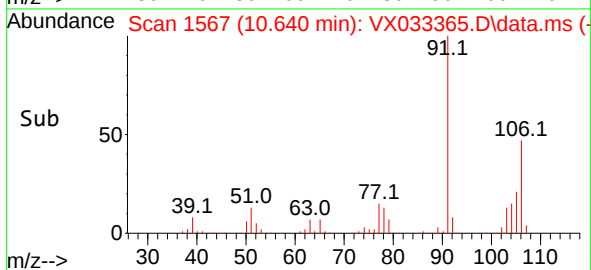
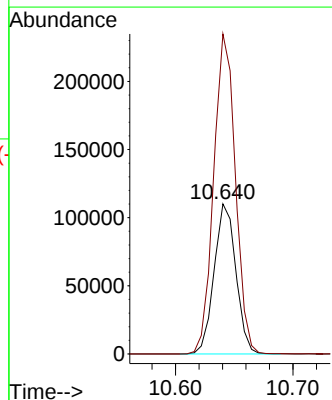
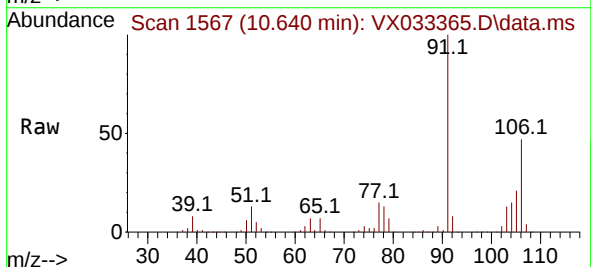
Manual Integrations
APPROVED

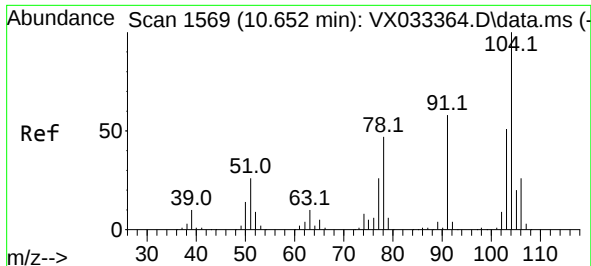
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#68
o-Xylene
Concen: 48.133 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion:106 Resp: 141678
Ion Ratio Lower Upper
106 100
91 212.3 101.9 305.7





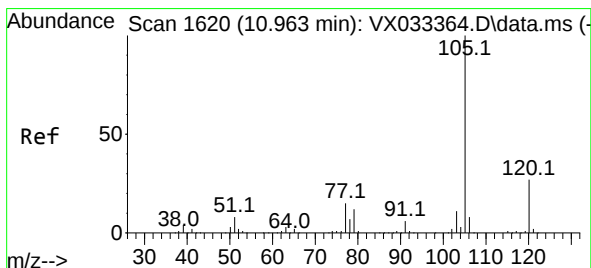
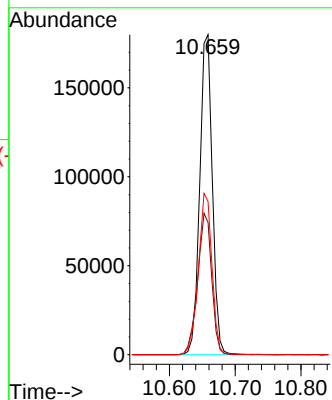
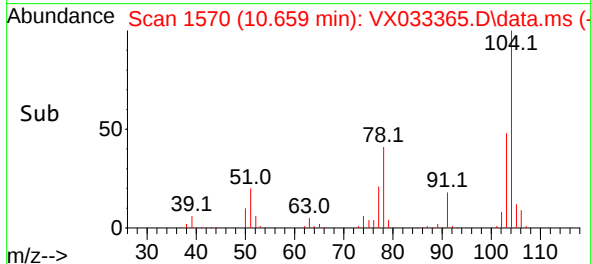
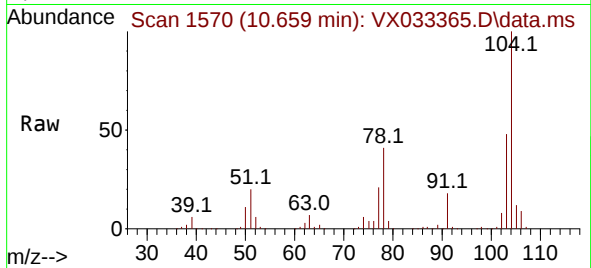
#69
Styrene
Concen: 48.932 ug/l
RT: 10.659 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:104 Resp: 239452
Ion Ratio Lower Upper
104 100
78 49.0 36.6 55.0
103 54.7 43.3 64.9

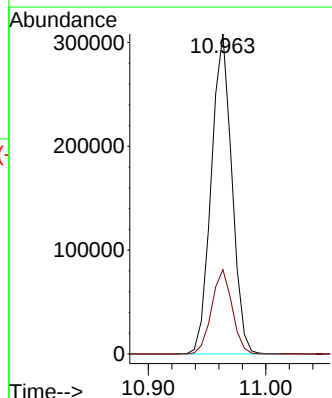
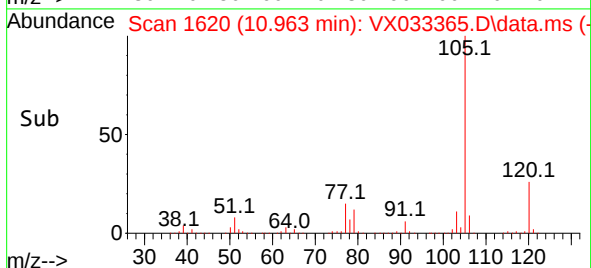
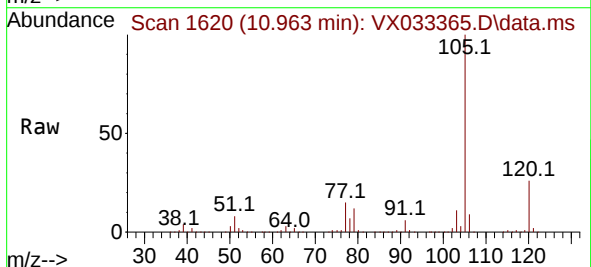
Manual Integrations
APPROVED

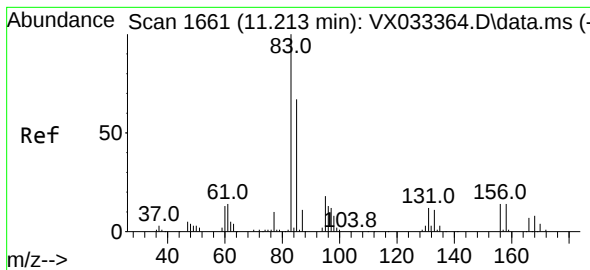
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#70
Isopropylbenzene
Concen: 47.798 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion:105 Resp: 375706
Ion Ratio Lower Upper
105 100
120 26.1 19.3 35.9





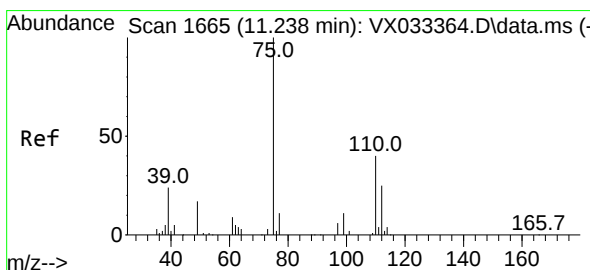
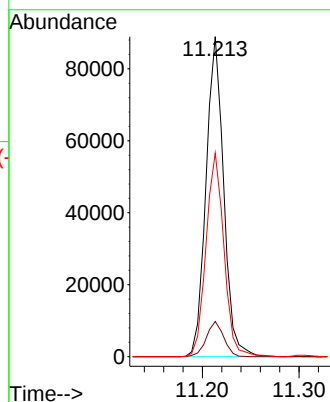
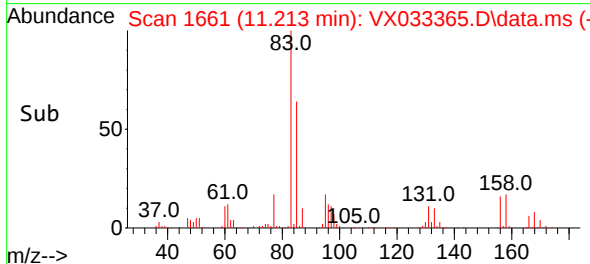
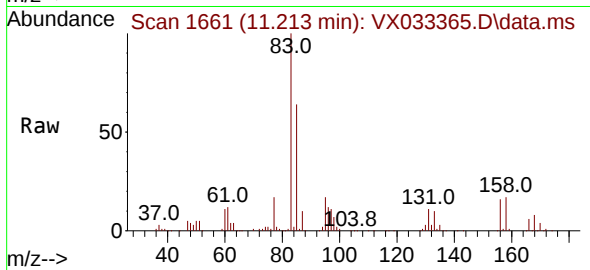
#71
1,1,2,2-Tetrachloroethane
Concen: 47.464 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 11314
Ion Ratio Lower Upper
83 100
131 10.9 6.0 18.1
85 64.5 32.8 98.3

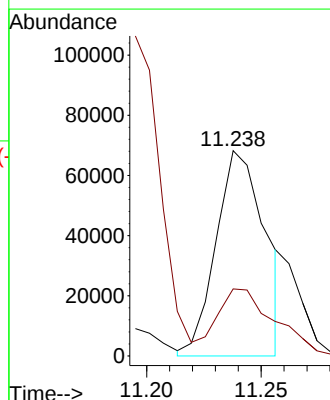
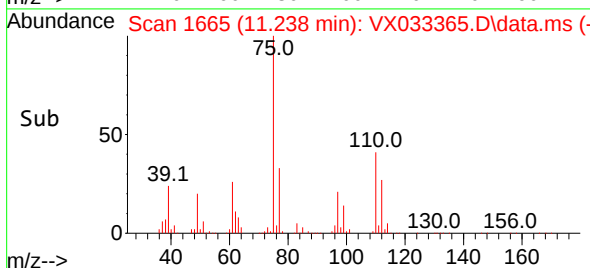
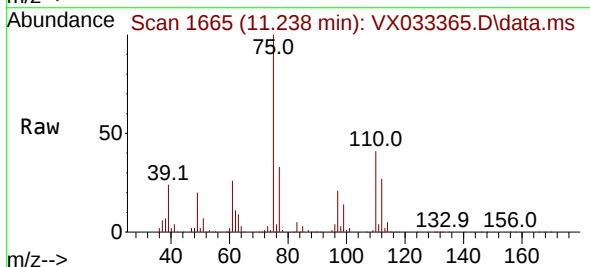
Manual Integrations
APPROVED

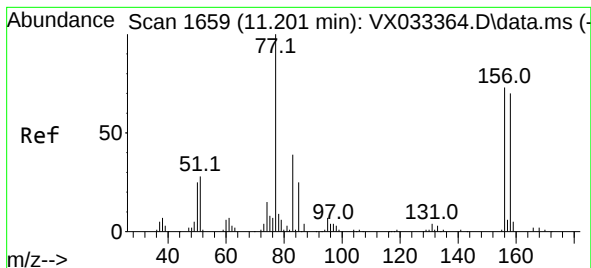
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#72
1,2,3-Trichloropropane
Concen: 49.060 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 75 Resp: 101568
Ion Ratio Lower Upper
75 100
77 39.2 0.0 76.6





#73

Bromobenzene

Concen: 48.322 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

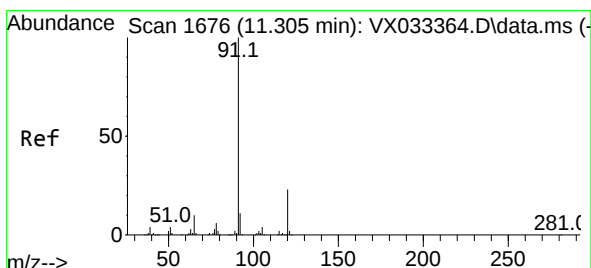
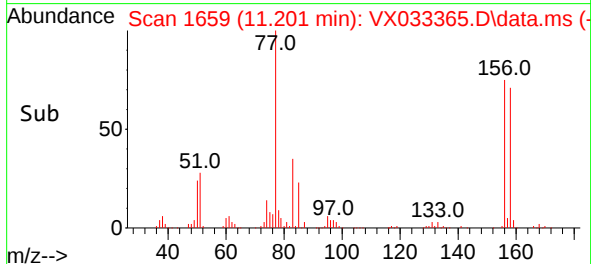
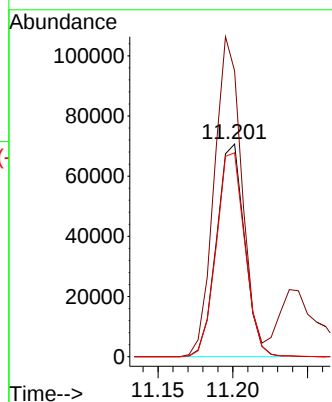
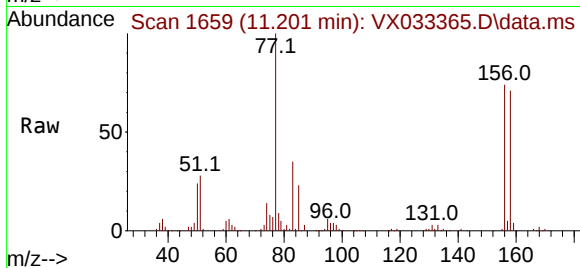
Tgt Ion:	156	Resp:	92270
Ion Ratio	Lower	Upper	
156	100		
77	147.6	0.0	259.2
158	97.7	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#74

n-propylbenzene

Concen: 48.355 ug/l

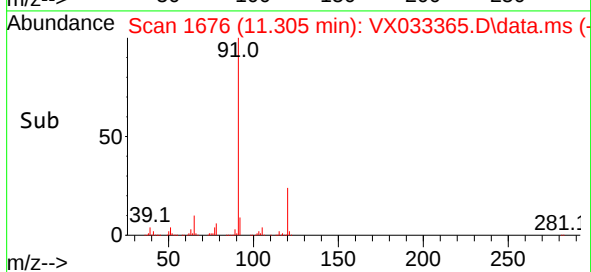
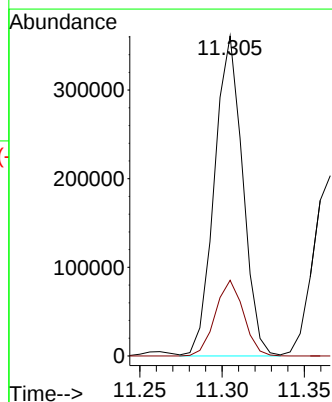
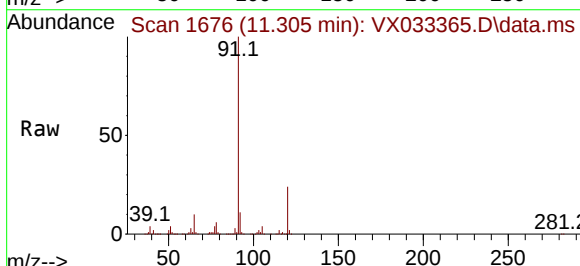
RT: 11.305 min Scan# 1676

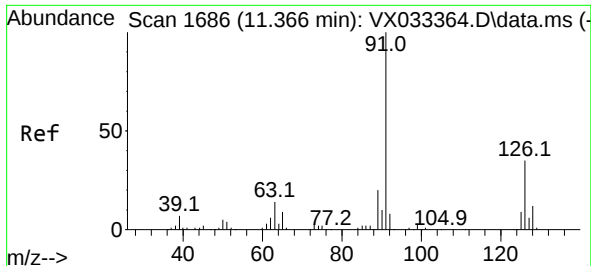
Delta R.T. 0.000 min

Lab File: VX033365.D

Acq: 12 Dec 2022 11:21

Tgt Ion:	91	Resp:	431848
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	51.0





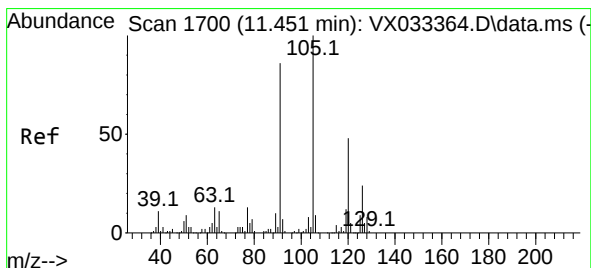
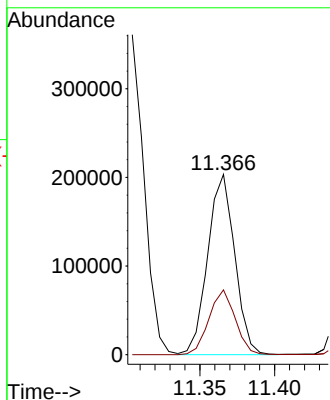
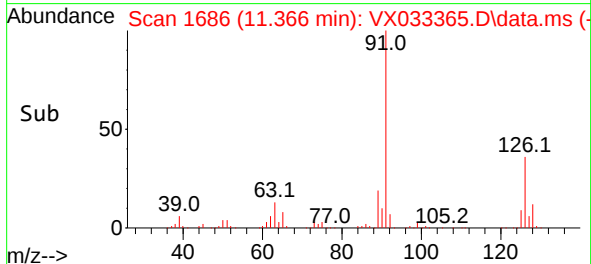
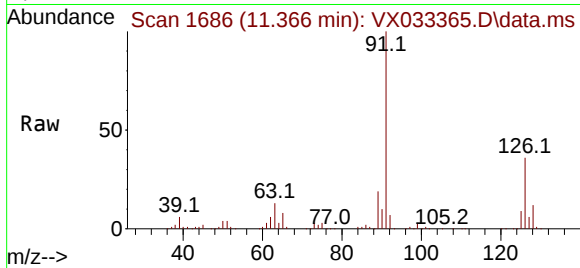
#75
2-Chlorotoluene
Concen: 47.310 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 255810
Ion Ratio Lower Upper
91 100
126 34.9 0.0 76.4

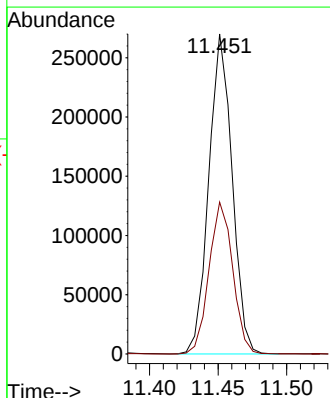
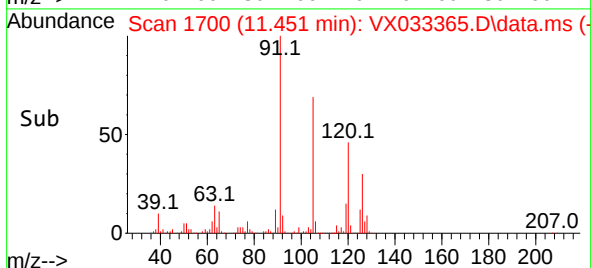
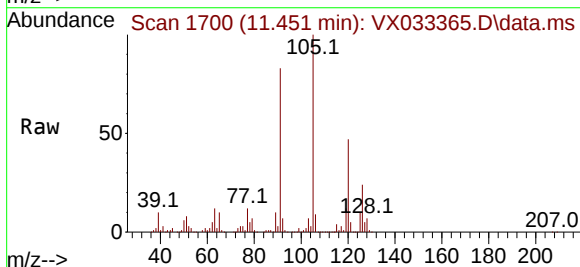
Manual Integrations
APPROVED

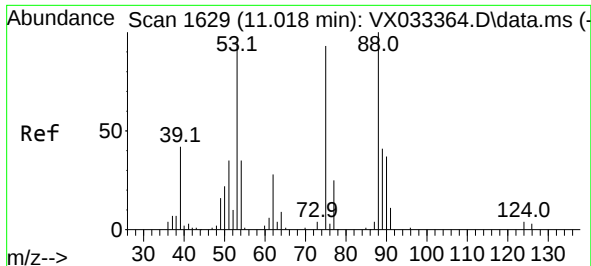
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#76
1,3,5-Trimethylbenzene
Concen: 48.106 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

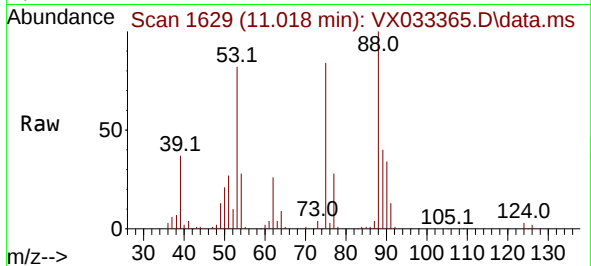
Tgt Ion:105 Resp: 319659
Ion Ratio Lower Upper
105 100
120 48.1 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 53.916 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

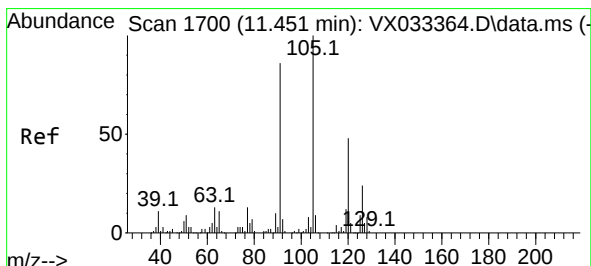
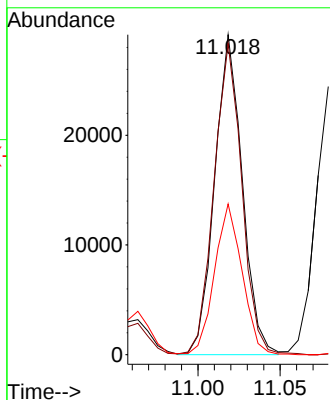
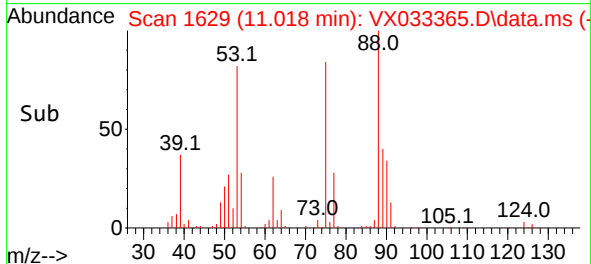
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 3406
Ion Ratio Lower Upper
75 100
53 97.2 51.8 155.4
89 47.0 22.9 68.8

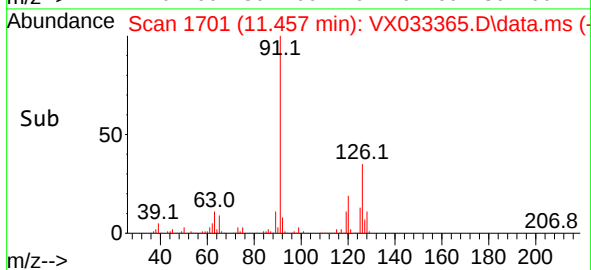
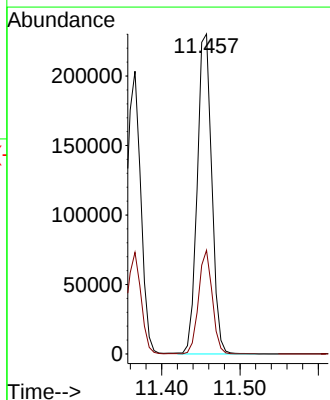
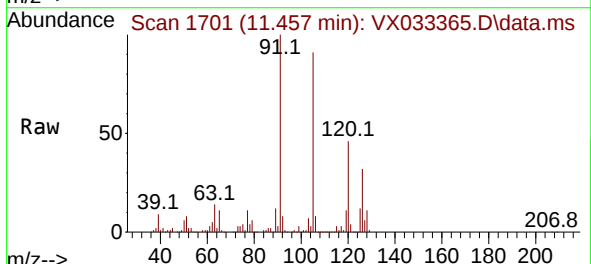
Manual Integrations
APPROVED

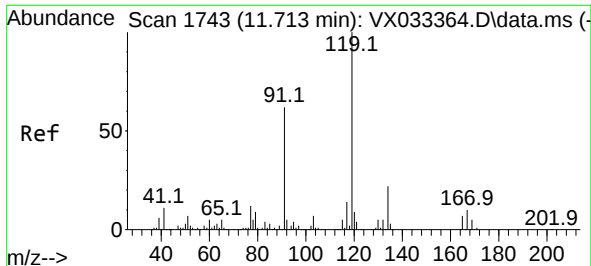
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#78
4-Chlorotoluene
Concen: 47.611 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 91 Resp: 296548
Ion Ratio Lower Upper
91 100
126 30.6 0.0 67.0





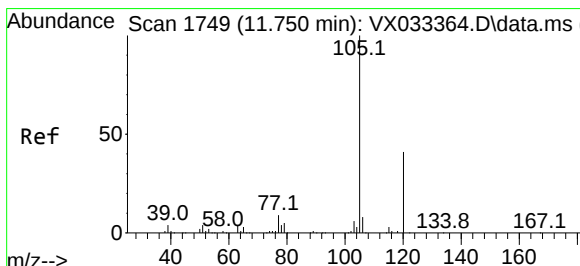
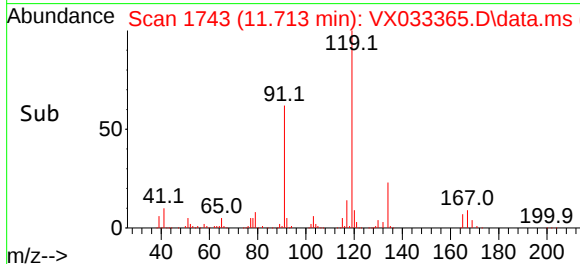
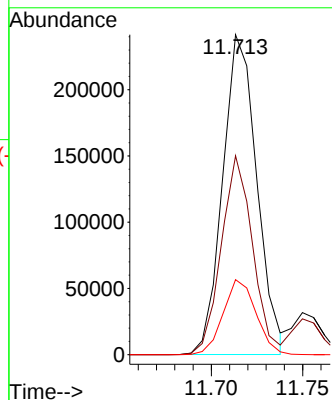
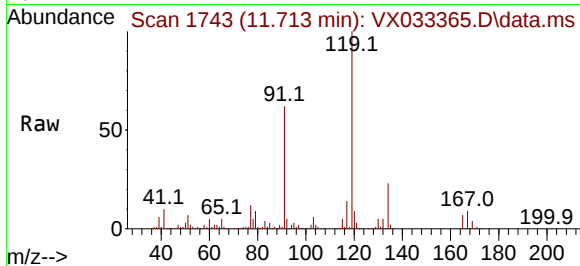
#79
tert-butylbenzene
Concen: 48.582 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion:119 Resp: 313718
Ion Ratio Lower Upper
119 100
91 57.2 0.0 112.0
134 22.7 0.0 51.0

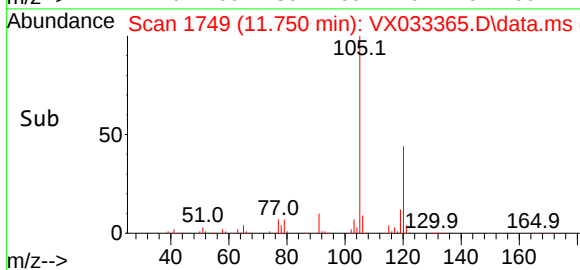
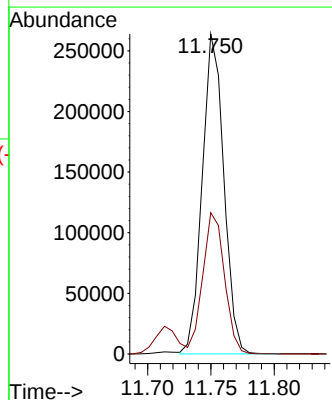
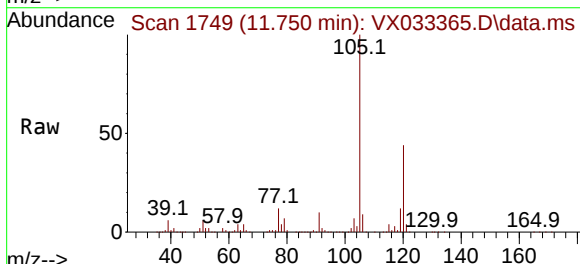
Manual Integrations
APPROVED

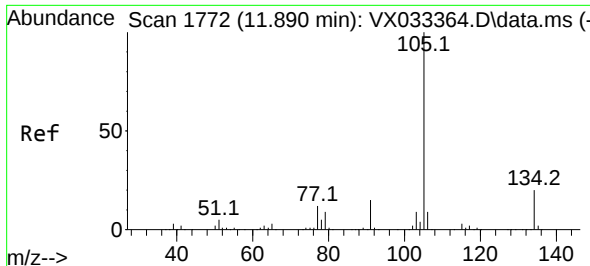
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#80
1,2,4-Trimethylbenzene
Concen: 48.283 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

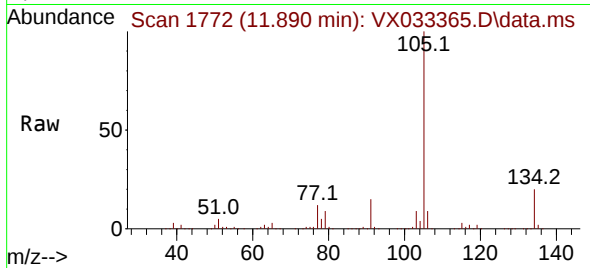
Tgt Ion:105 Resp: 313690
Ion Ratio Lower Upper
105 100
120 44.4 0.0 95.0





#81
 sec-Butylbenzene
 Concen: 48.964 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033365.D
 Acq: 12 Dec 2022 11:21

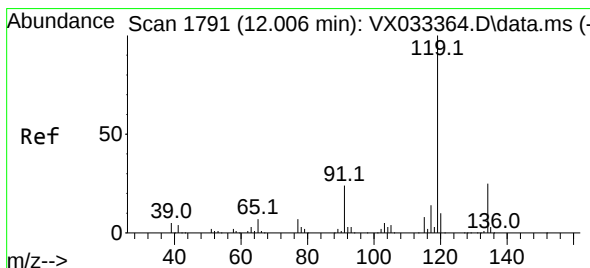
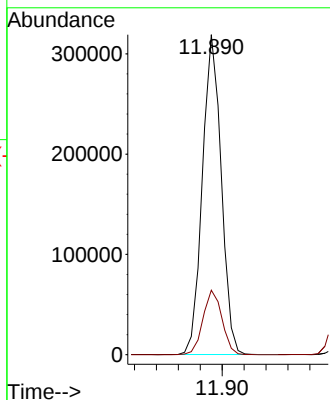
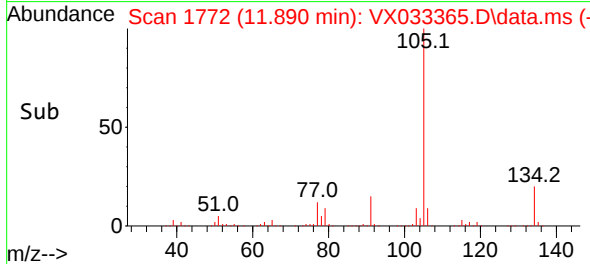
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050



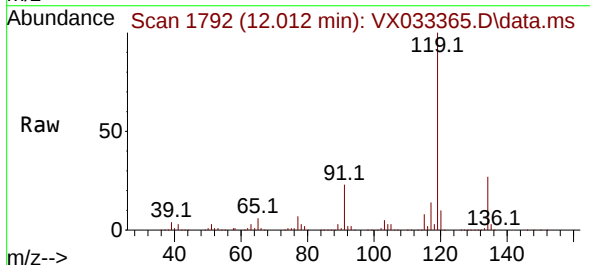
Tgt Ion:105 Resp: 380660
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 44.4

Manual Integrations
 APPROVED

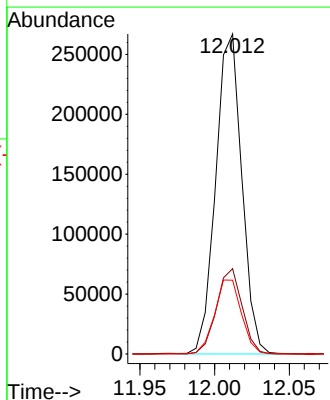
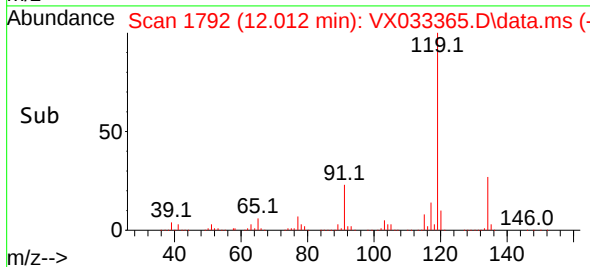
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

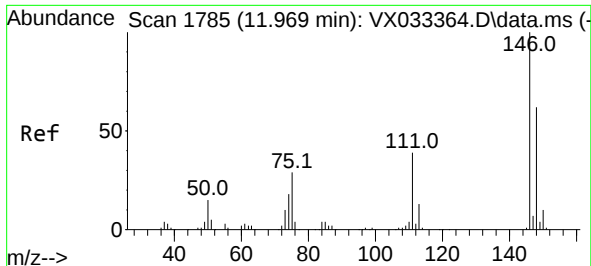


#82
 p-Isopropyltoluene
 Concen: 49.515 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033365.D
 Acq: 12 Dec 2022 11:21



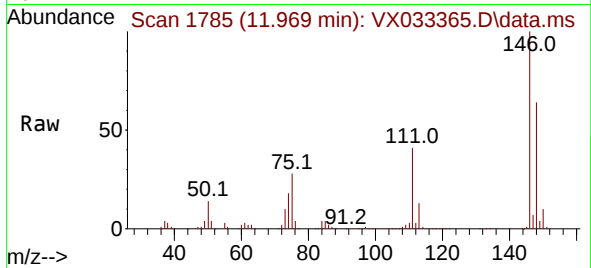
Tgt Ion:119 Resp: 324413
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 55.4
 91 23.8 0.0 45.6





#83
1,3-Dichlorobenzene
Concen: 49.607 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

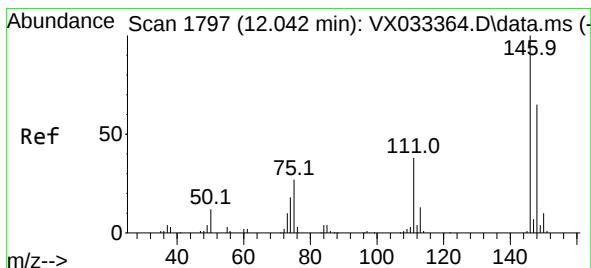
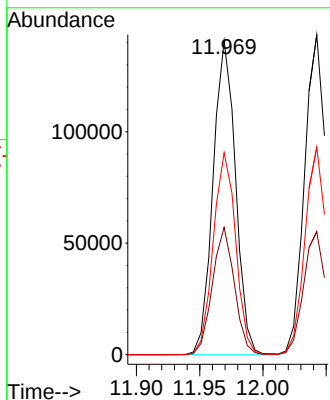
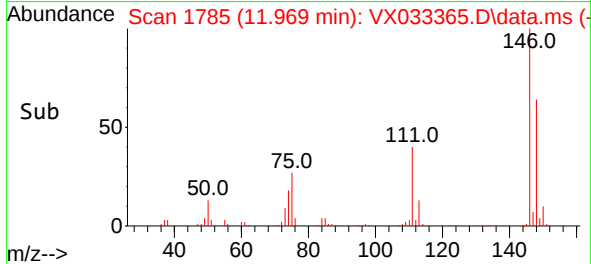
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



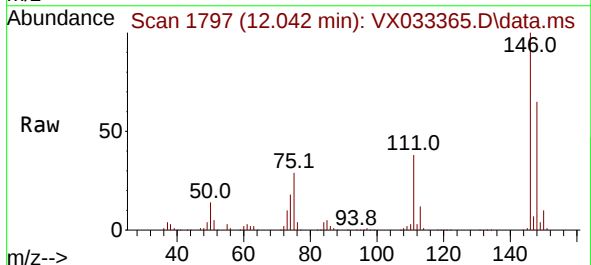
Tgt Ion:146 Resp: 173785
Ion Ratio Lower Upper
146 100
111 39.3 19.4 58.1
148 64.3 32.6 97.7

Manual Integrations
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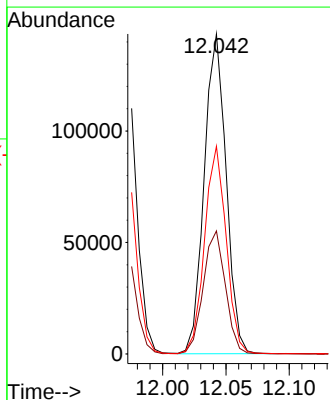
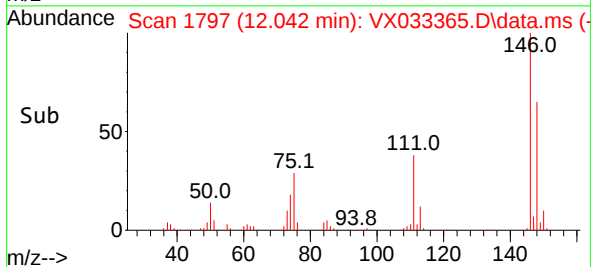
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

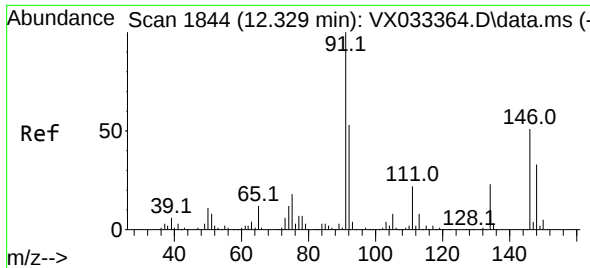


#84
1,4-Dichlorobenzene
Concen: 49.170 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



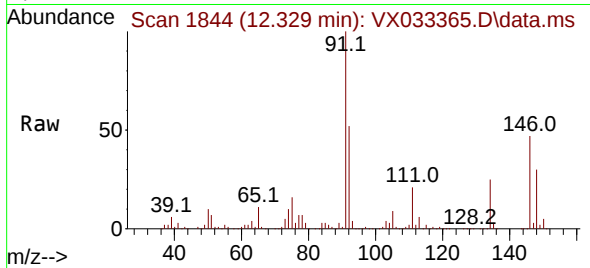
Tgt Ion:146 Resp: 172983
Ion Ratio Lower Upper
146 100
111 38.6 18.9 56.5
148 64.1 31.6 95.0





#85
n-Butylbenzene
Concen: 49.333 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

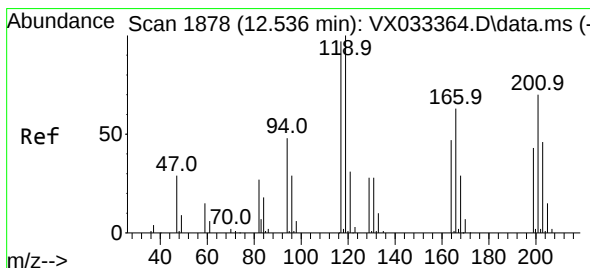
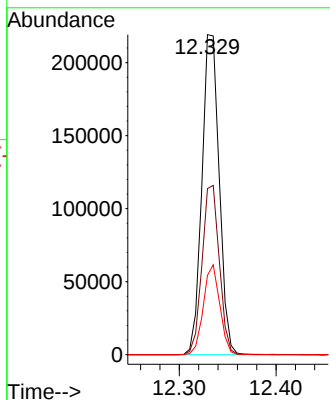
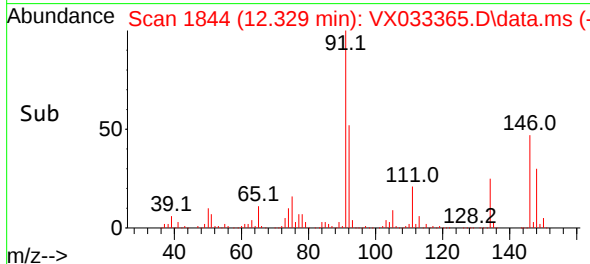
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 91 Resp: 273940
Ion Ratio Lower Upper
91 100
92 52.8 0.0 108.4
134 26.6 0.0 60.6

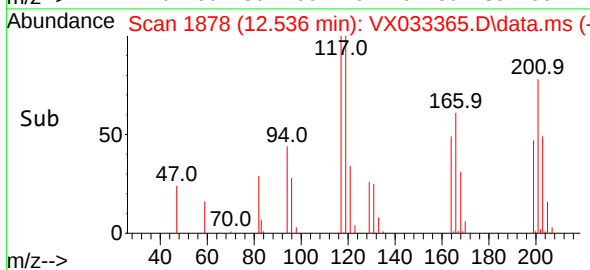
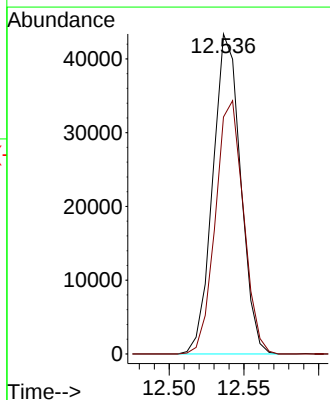
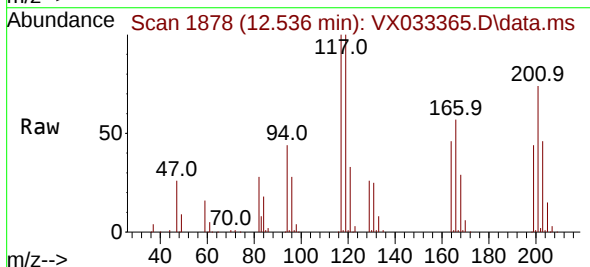
Manual Integrations
APPROVED

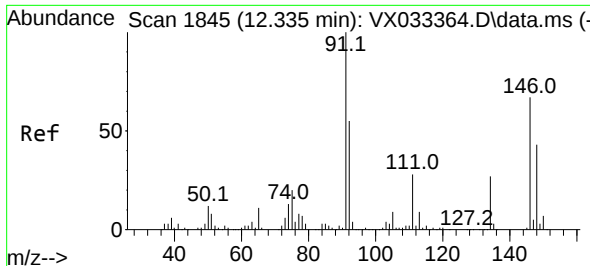
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#86
Hexachloroethane
Concen: 52.102 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion:117 Resp: 56039
Ion Ratio Lower Upper
117 100
201 80.0 37.7 113.1





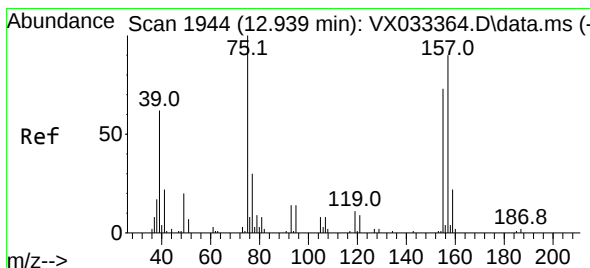
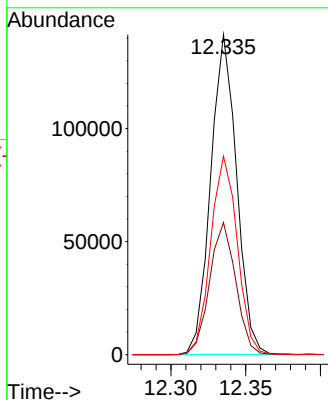
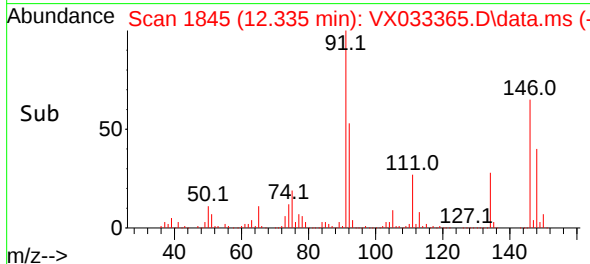
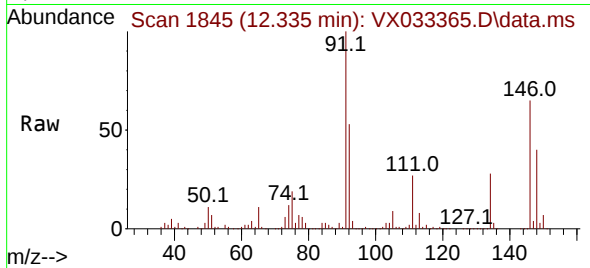
#87
1,2-Dichlorobenzene
Concen: 49.035 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion:146 Resp: 17077
Ion Ratio Lower Upper
146 100
111 41.7 20.0 60.0
148 63.7 33.0 99.0

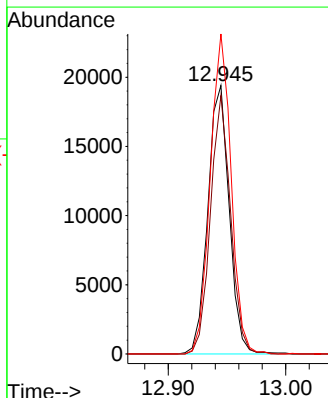
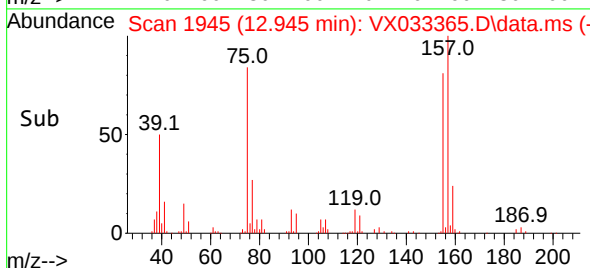
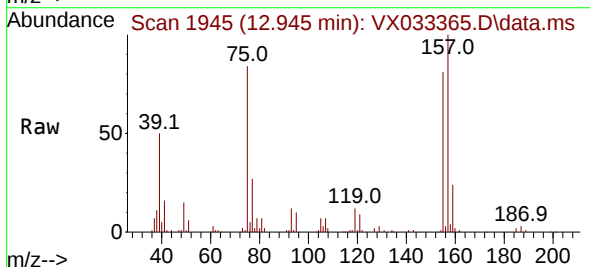
Manual Integrations
APPROVED

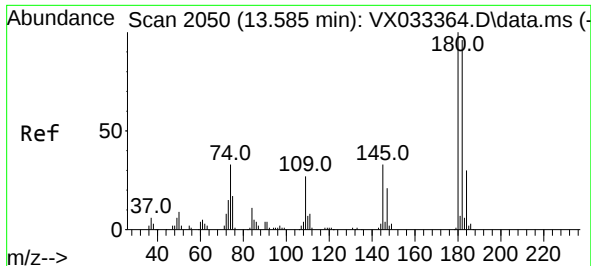
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#88
1,2-Dibromo-3-Chloropropane
Concen: 48.424 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Tgt Ion: 75 Resp: 24489
Ion Ratio Lower Upper
75 100
155 90.9 85.0 127.6
157 116.9 101.0 151.6





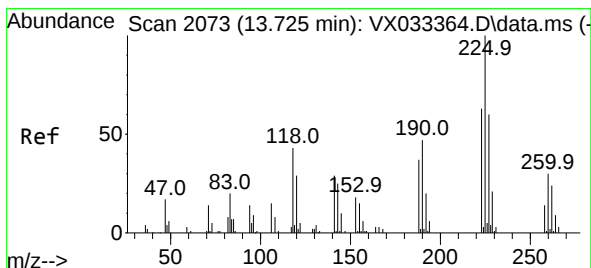
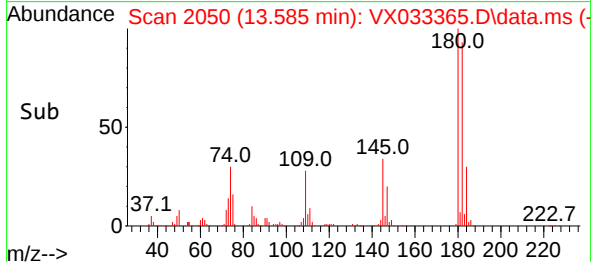
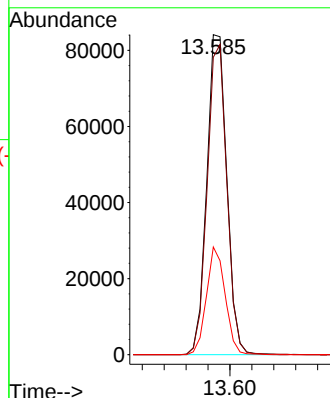
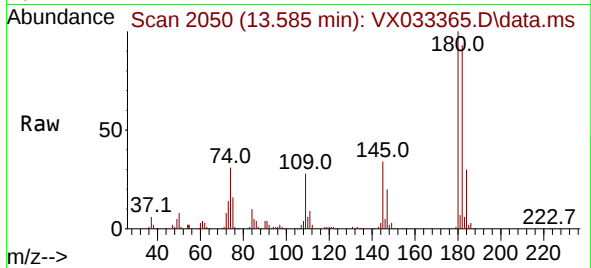
#89
1,2,4-Trichlorobenzene
Concen: 49.895 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:180 Resp: 10671
Ion Ratio Lower Upper
180 100
182 95.1 75.3 112.9
145 31.5 25.9 38.9

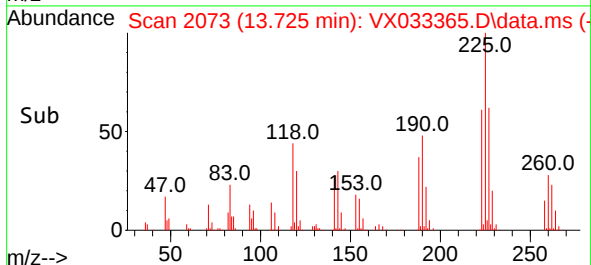
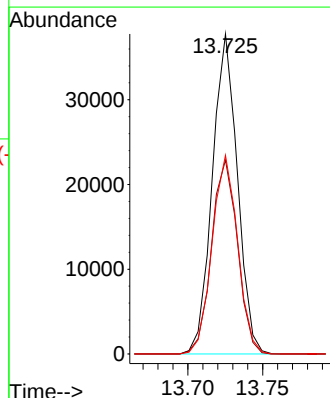
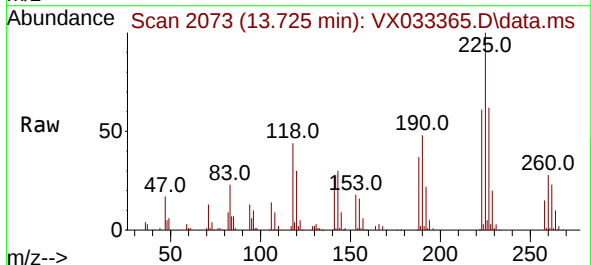
Manual Integrations
APPROVED

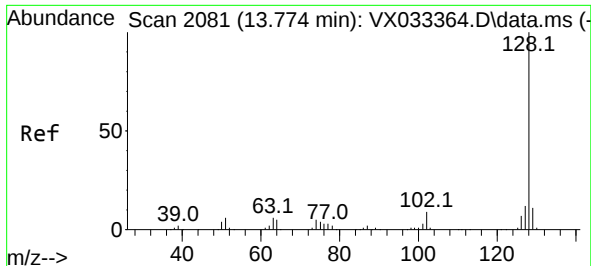
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#90
Hexachlorobutadiene
Concen: 51.102 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

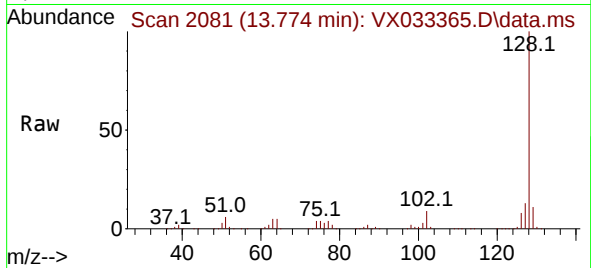
Tgt Ion:225 Resp: 43991
Ion Ratio Lower Upper
225 100
223 62.7 0.0 126.0
227 63.3 0.0 127.6





#91
Naphthalene
Concen: 48.598 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21

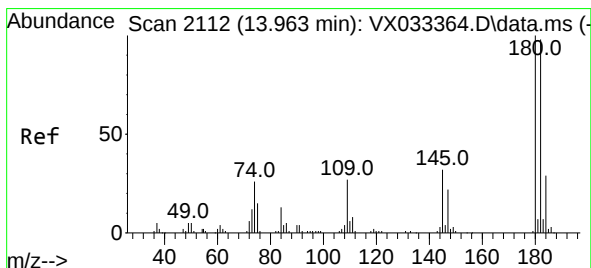
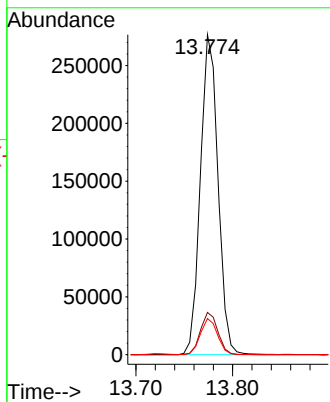
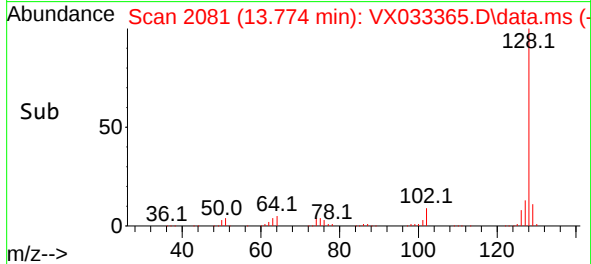
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



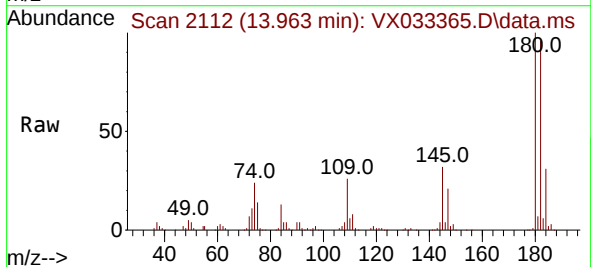
Tgt Ion:128 Resp: 350820
Ion Ratio Lower Upper
128 100
127 13.1 9.9 14.9
129 11.0 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#92
1,2,3-Trichlorobenzene
Concen: 48.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033365.D
Acq: 12 Dec 2022 11:21



Tgt Ion:180 Resp: 104866
Ion Ratio Lower Upper
180 100
182 95.4 0.0 199.0
145 33.7 0.0 68.2

