

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033364.D
 Acq On : 12 Dec 2022 10:58
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 12:25:45 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	4.897	128	13029	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	90878	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	98499	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	35027	27.867	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.900%		
60) 4-Bromofluorobenzene	11.079	95	54910	29.143	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.133%		
63) Toluene-d8	8.647	98	99264	29.862	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.533%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19883	17.243	ug/l	94
3) Chloromethane	1.294	50	19403	16.957	ug/l	93
4) Vinyl Chloride	1.374	62	23113	17.864	ug/l	99
5) Bromomethane	1.618	94	16769	14.599	ug/l	97
6) Chloroethane	1.691	64	18057	17.669	ug/l	88
7) Trichlorofluoromethane	1.892	101	48729	19.537	ug/l	98
8) Diethyl Ether	2.136	74	16332	20.253	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	25879	19.506	ug/l	98
10) 1,1-Dichloroethene	2.325	96	24071	18.991	ug/l	96
11) Methyl Iodide	2.453	142	26630	19.543	ug/l	99
12) Methyl Acetate	2.709	43	32239	17.171	ug/l	91
13) Acrolein	2.239	56	27223	108.731	ug/l	98
14) Acrylonitrile	3.068	53	57462	85.374	ug/l	98
15) Acetone	2.392	58	22912	130.911	ug/l	87
16) Carbon Disulfide	2.514	76	62577	19.833	ug/l	98
17) Allyl chloride	2.666	41	37287	18.514	ug/l	91
18) Methylene Chloride	2.788	84	26179	17.910	ug/l	93
19) trans-1,2-Dichloroethene	3.093	96	26012	18.631	ug/l #	85
20) Diisopropyl ether	3.757	45	79032	17.501	ug/l	92
21) 1,1-Dichloroethane	3.611	63	45887	18.101	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	30290	18.580	ug/l	89
23) tert-Butyl Alcohol	3.008	59	24828m	113.609	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	81427	17.941	ug/l	94
25) Chloroform	5.093	83	53211	18.819	ug/l	96
26) Cyclohexane	5.470	56	40092	18.110	ug/l #	86
29) 1,1-Dichloropropene	5.690	75	37305	18.509	ug/l	97
30) 2-Butanone	4.562	43	91863	97.749	ug/l	92
31) 2,2-Dichloropropane	4.477	77	38630	22.411	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	48755	19.230	ug/l	95
33) Carbon Tetrachloride	5.678	117	44524	20.001	ug/l	95
34) Benzene	6.037	78	105920	18.651	ug/l	97
35) Methacrylonitrile	4.916	41	17447	16.391	ug/l	94
36) 1,2-Dichloroethane	6.086	62	42721	18.274	ug/l #	92
37) Trichloroethene	7.123	130	30330	19.091	ug/l	97
38) Methylcyclohexane	7.379	83	42899	18.997	ug/l	89
39) 1,2-Dichloropropane	7.434	63	26510	18.442	ug/l	96
40) Dibromomethane	7.580	93	20174	18.382	ug/l	98
41) Bromodichloromethane	7.824	83	42351	20.245	ug/l	98
42) Vinyl Acetate	3.721	43	301567	83.511	ug/l #	92

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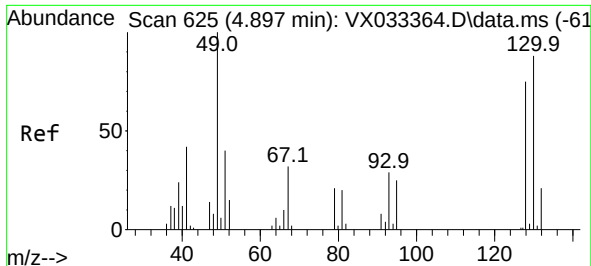
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	31101	16.451	ug/l #	87
44) Isopropyl Acetate	6.336	43	53102	16.761	ug/l	96
45) 1,4-Dioxane	7.708	88	13254	435.548	ug/l #	85
46) Methyl methacrylate	7.690	41	26499	16.615	ug/l	86
47) n-amyl Acetate	10.841	43	44627	15.845	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	41715	19.438	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	44224	19.515	ug/l	93
50) 1,1,2-Trichloroethane	9.153	97	28416	18.831	ug/l	96
51) Ethyl methacrylate	9.116	69	39561	17.554	ug/l	90
52) 1,3-Dichloropropane	9.311	76	46641	18.905	ug/l	98
53) Dibromochloromethane	9.519	129	33921	20.670	ug/l	98
54) 1,2-Dibromoethane	9.610	107	31121	19.146	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	88114	80.906	ug/l	94
56) Bromoform	10.799	173	24298	20.681	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	166511	86.356	ug/l	94
59) 2-Hexanone	9.427	43	132247	93.153	ug/l	94
61) Tetrachloroethene	9.275	164	27167	19.735	ug/l	96
62) Toluene	8.720	91	123791	19.325	ug/l	98
64) Chlorobenzene	10.079	112	77325	19.525	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	30951	20.516	ug/l	99
66) Ethyl Benzene	10.195	91	139175	19.367	ug/l	96
67) m/p-Xylenes	10.299	106	108045	38.641	ug/l	89
68) o-Xylene	10.640	106	52883	19.275	ug/l	92
69) Styrene	10.652	104	87918	19.275	ug/l	96
70) Isopropylbenzene	10.963	105	141617	19.329	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	41589	18.718	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	38395m	19.897	ug/l	
73) Bromobenzene	11.201	156	34363	19.307	ug/l	90
74) n-propylbenzene	11.305	91	160648	19.298	ug/l	95
75) 2-Chlorotoluene	11.366	91	96678	19.182	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	118782	19.178	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	12060	20.481	ug/l	99
78) 4-Chlorotoluene	11.451	91	112324	19.347	ug/l	93
79) tert-butylbenzene	11.713	119	118094	19.620	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	117661	19.430	ug/l	94
81) sec-Butylbenzene	11.890	105	141006	19.459	ug/l	95
82) p-Isopropyltoluene	12.006	119	120125	19.670	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	64168	19.651	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	63837	19.467	ug/l	99
85) n-Butylbenzene	12.329	91	96551	18.654	ug/l	96
86) Hexachloroethane	12.536	117	20708	20.656	ug/l	94
87) 1,2-Dichlorobenzene	12.335	146	63369	19.521	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9134	19.377	ug/l	82
89) 1,2,4-Trichlorobenzene	13.585	180	37172	18.646	ug/l	97
90) Hexachlorobutadiene	13.725	225	16245	20.246	ug/l	99
91) Naphthalene	13.774	128	123233	18.314	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	37723	18.814	ug/l	98

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

Manual Integrations APPROVED

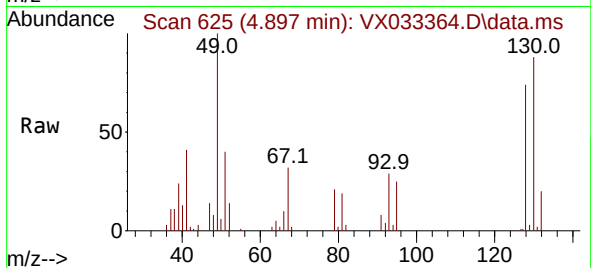
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

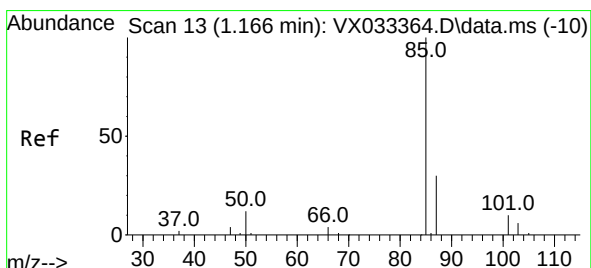
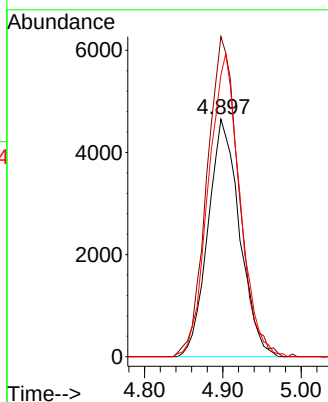
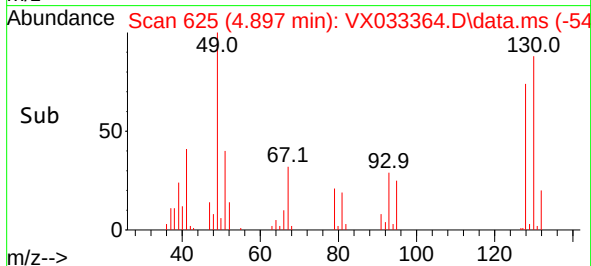
Instrument :
MSVOA_X
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VSTDICCC020



Tgt Ion:128 Resp: 13029
Ion Ratio Lower Upper
128 100
49 135.8 0.0 293.0
130 127.2 0.0 321.5

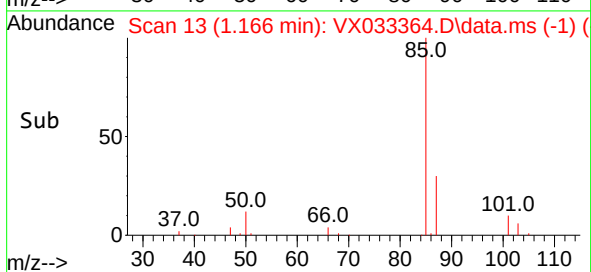
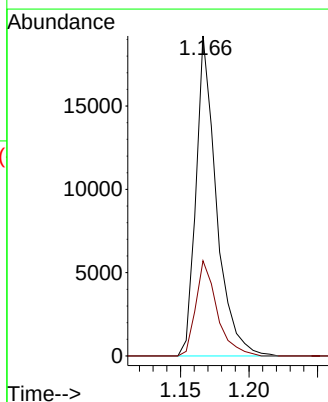
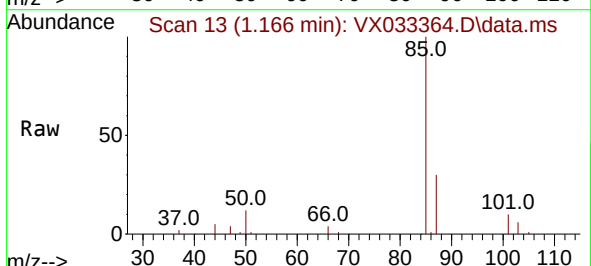
Manual Integrations
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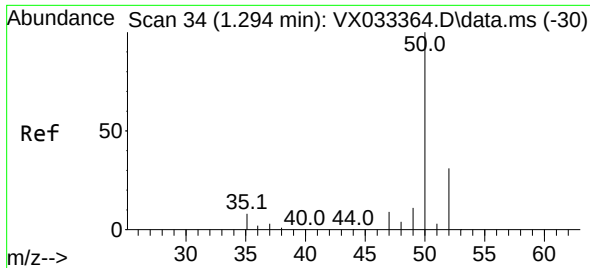
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#2
Dichlorodifluoromethane
Concen: 17.243 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 85 Resp: 19883
Ion Ratio Lower Upper
85 100
87 29.8 16.5 49.5





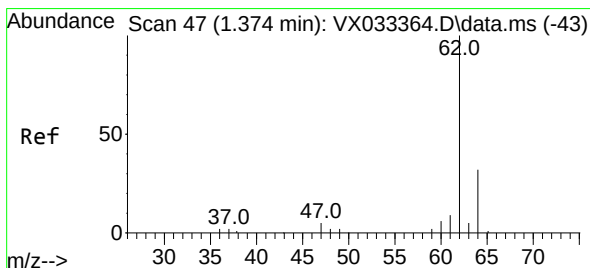
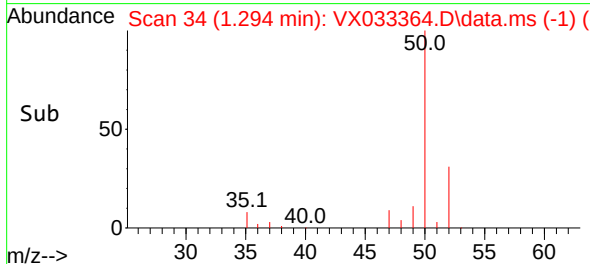
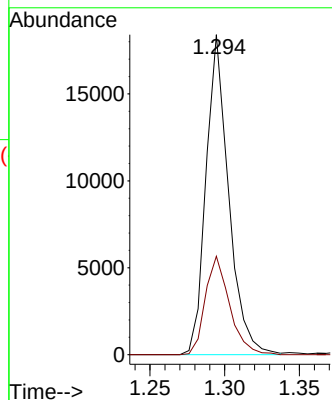
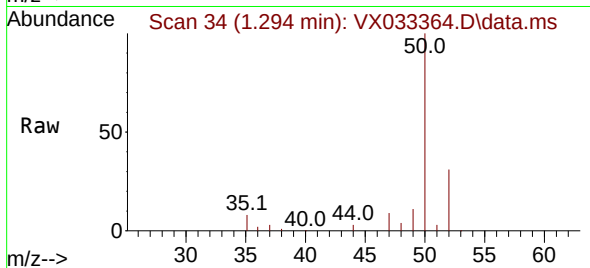
#3
Chloromethane
Concen: 16.957 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
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ClientSampleId :
VSTDICCC020

Tgt Ion: 50 Resp: 1940
Ion Ratio Lower Upper
50 100
52 30.7 27.6 41.4

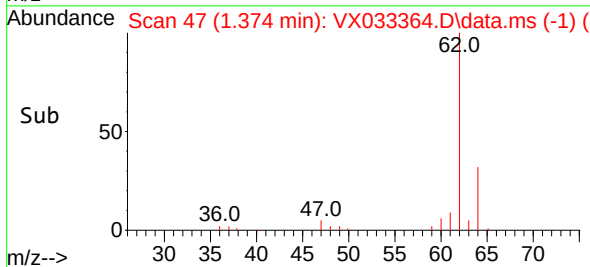
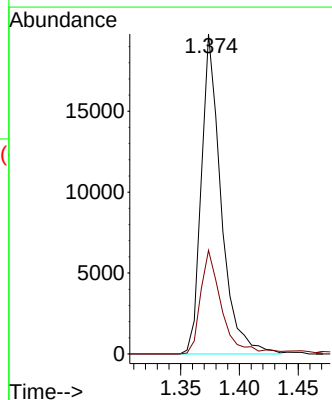
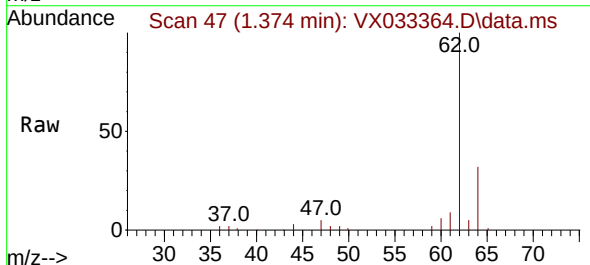
Manual Integrations
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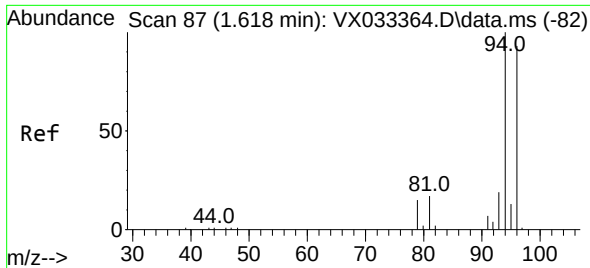
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#4
Vinyl Chloride
Concen: 17.864 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 62 Resp: 23113
Ion Ratio Lower Upper
62 100
64 32.4 25.7 38.5





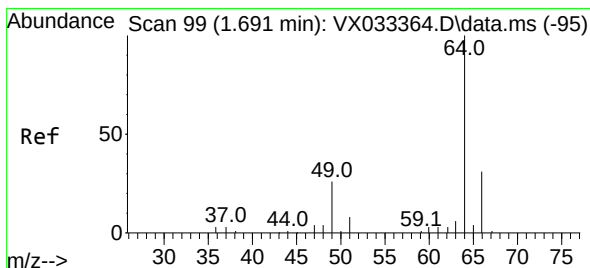
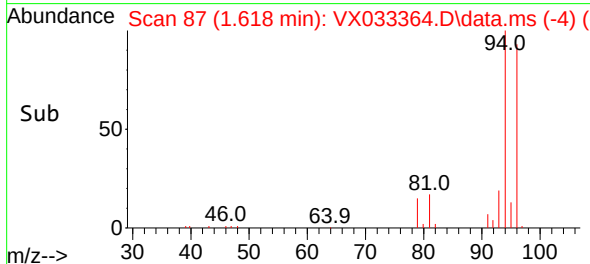
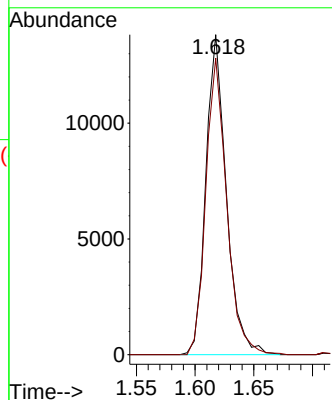
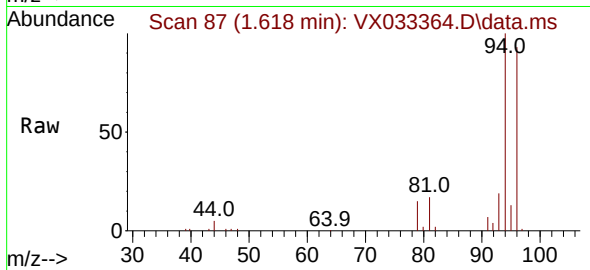
#5
Bromomethane
Concen: 14.599 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 16769
Ion Ratio Lower Upper
94 100
96 92.7 76.8 115.2

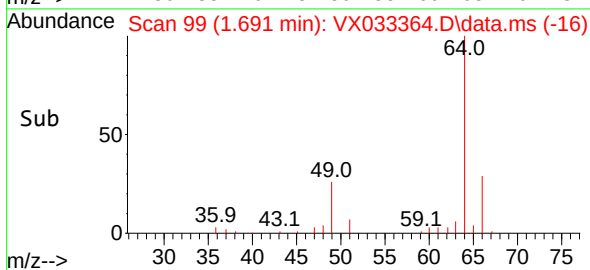
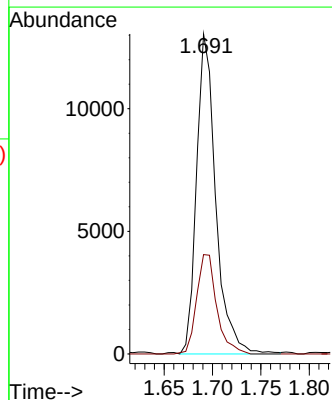
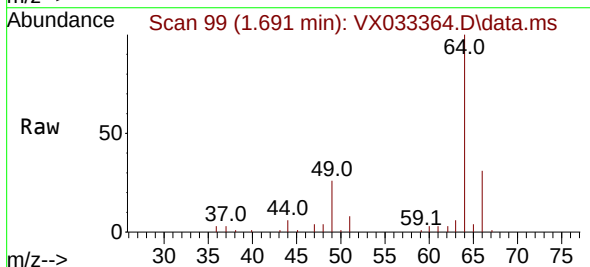
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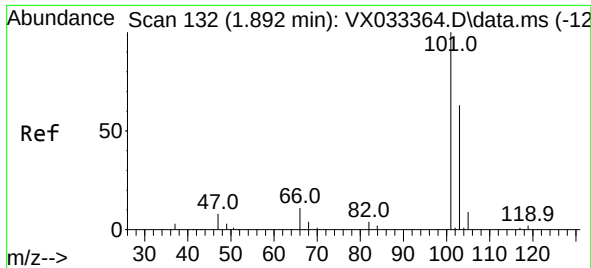
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#6
Chloroethane
Concen: 17.669 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033364.D
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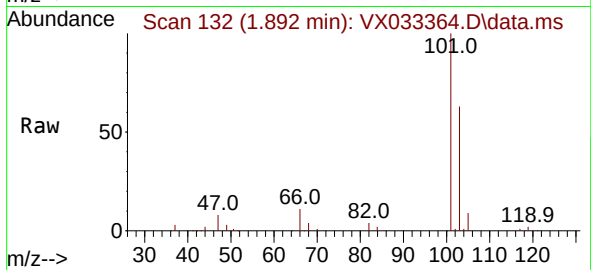
Tgt Ion: 64 Resp: 18057
Ion Ratio Lower Upper
64 100
66 31.0 30.6 46.0





#7
 Trichlorofluoromethane
 Concen: 19.537 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033364.D
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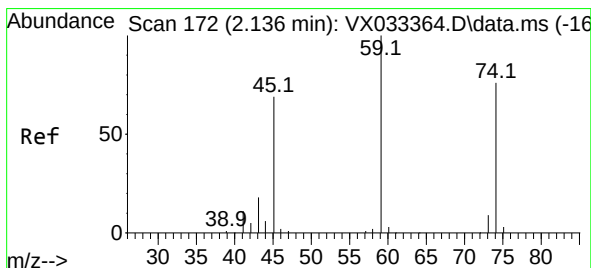
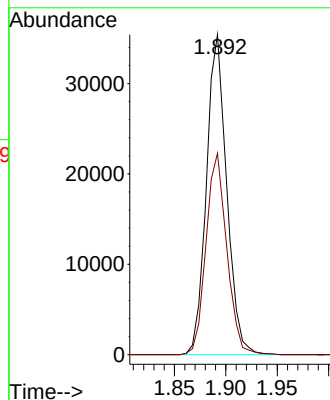
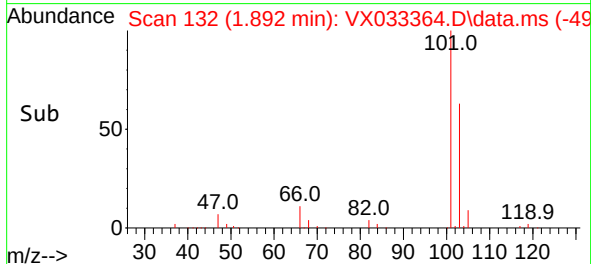
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Tgt Ion:101 Resp: 48729
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.7 77.5

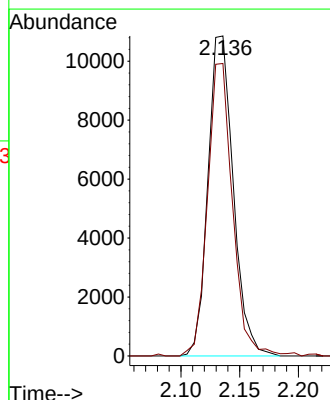
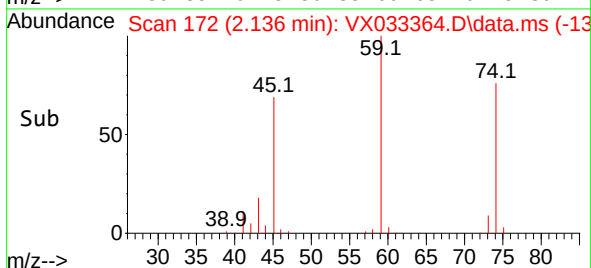
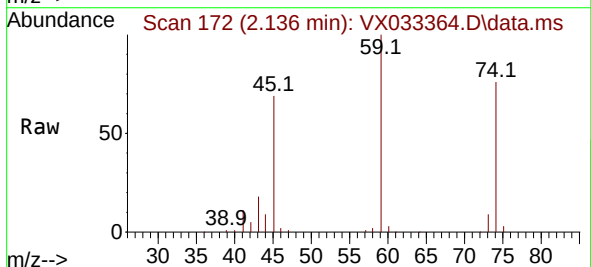
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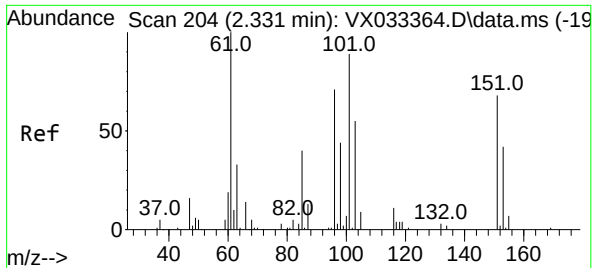
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#8
 Diethyl Ether
 Concen: 20.253 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX033364.D
 Acq: 12 Dec 2022 10:58

Tgt Ion: 74 Resp: 16332
 Ion Ratio Lower Upper
 74 100
 45 89.9 14.2 127.8





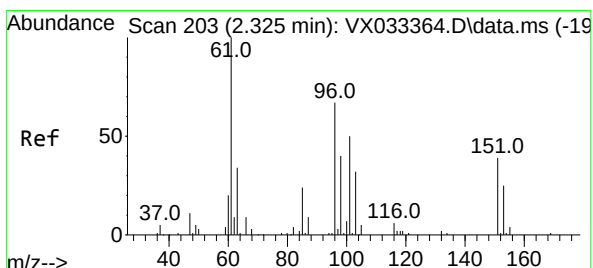
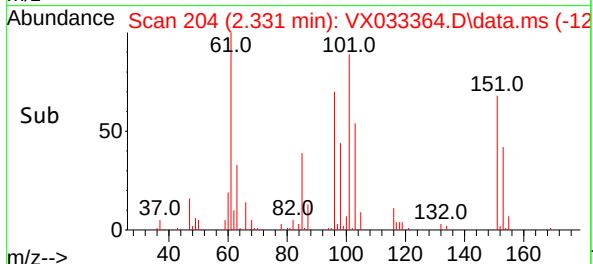
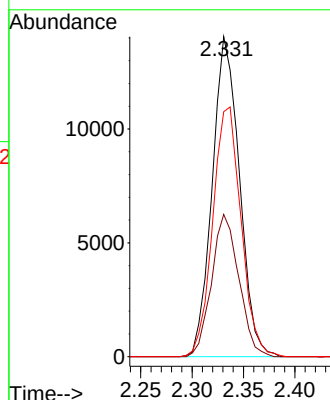
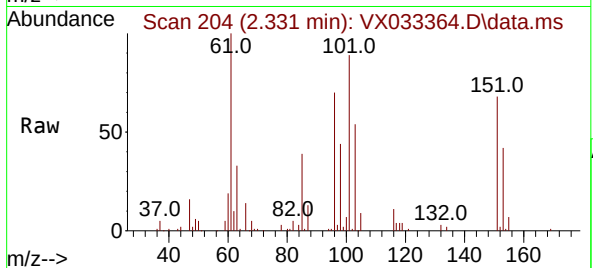
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.506 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033364.D
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Instrument :
MSVOA_X
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Tgt Ion:101 Resp: 25879
Ion Ratio Lower Upper
101 100
85 44.4 0.0 88.8
151 81.1 0.0 156.6

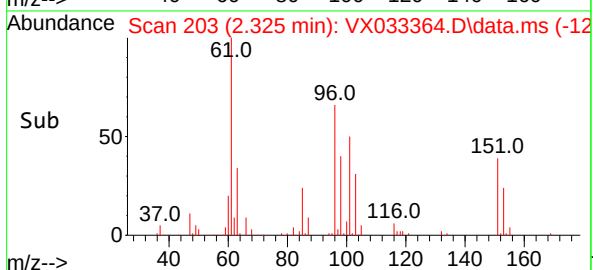
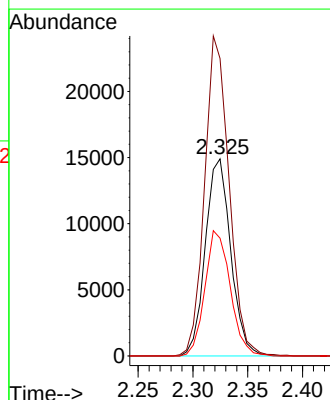
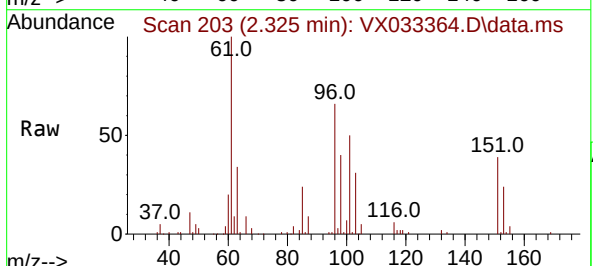
Manual Integrations
APPROVED

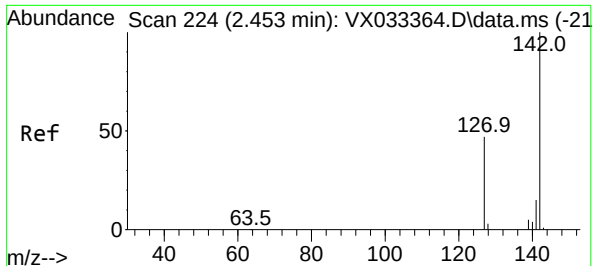
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#10
1,1-Dichloroethene
Concen: 18.991 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 96 Resp: 24071
Ion Ratio Lower Upper
96 100
61 150.6 115.8 173.6
98 59.7 49.7 74.5





#11

Methyl Iodide

Concen: 19.543 ug/l

RT: 2.453 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

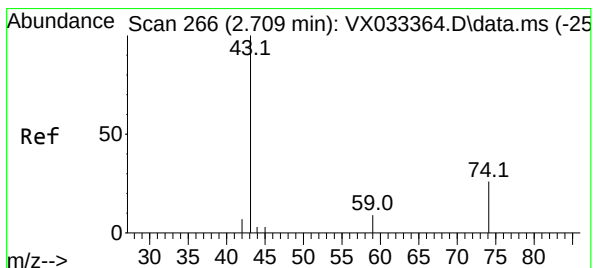
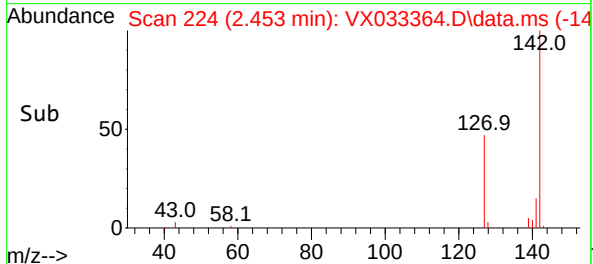
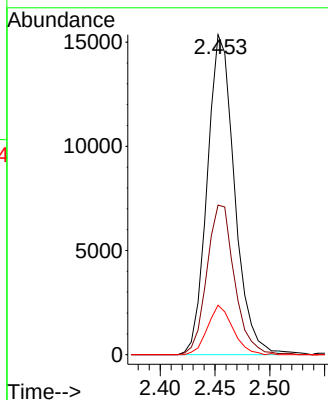
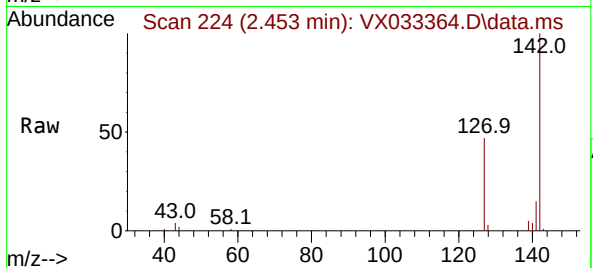
Tgt Ion:	142	Resp:	26630
Ion Ratio	Lower	Upper	
142	100		
127	46.9	23.8	71.2
141	15.5	7.6	22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#12

Methyl Acetate

Concen: 17.171 ug/l

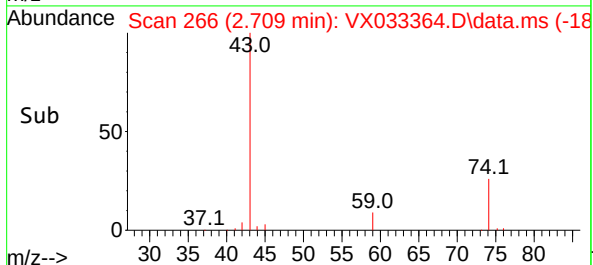
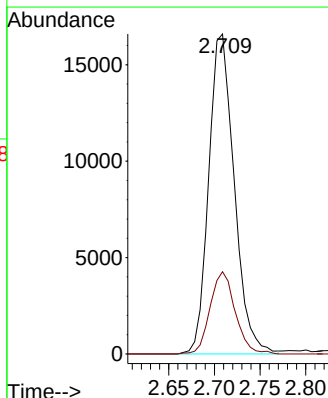
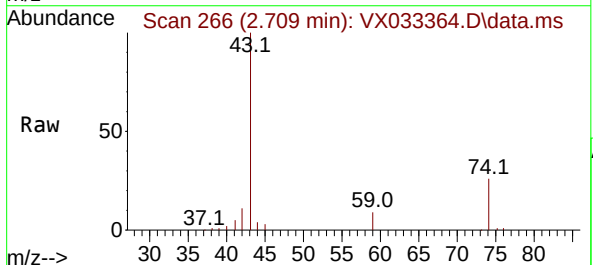
RT: 2.709 min Scan# 266

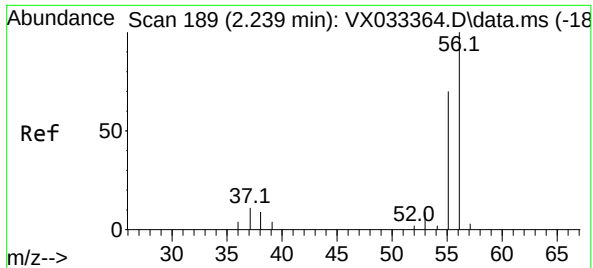
Delta R.T. 0.006 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion:	43	Resp:	32239
Ion Ratio	Lower	Upper	
43	100		
74	25.8	24.8	37.2





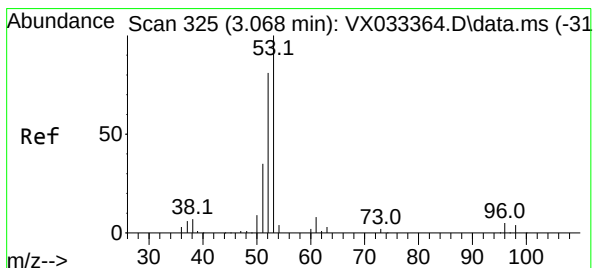
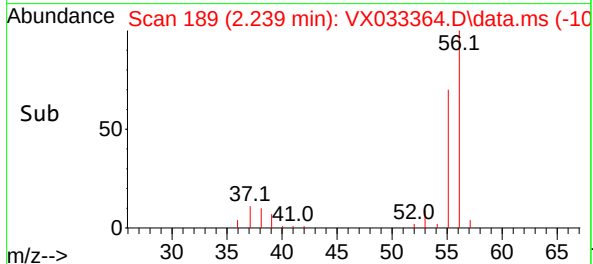
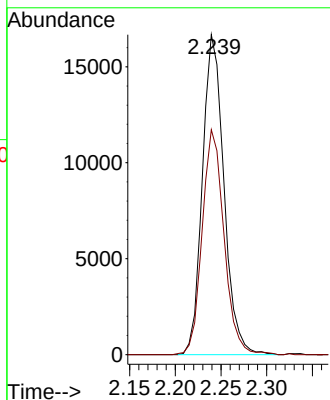
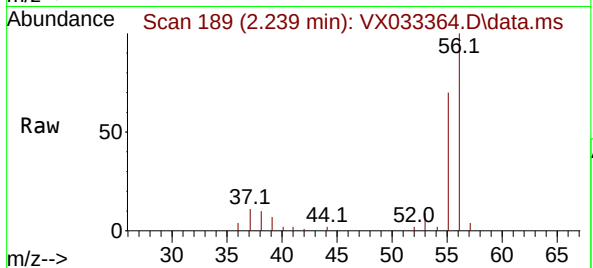
#13
Acrolein
Concen: 108.731 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 56 Resp: 2722
Ion Ratio Lower Upper
56 100
55 71.5 58.4 87.6

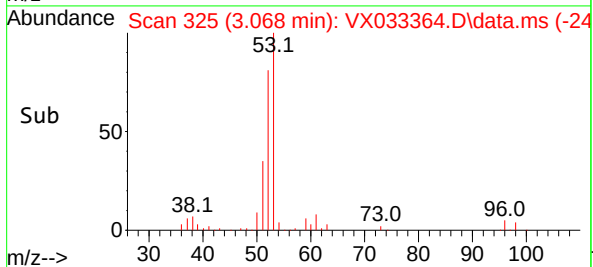
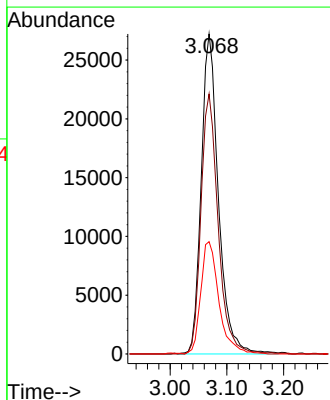
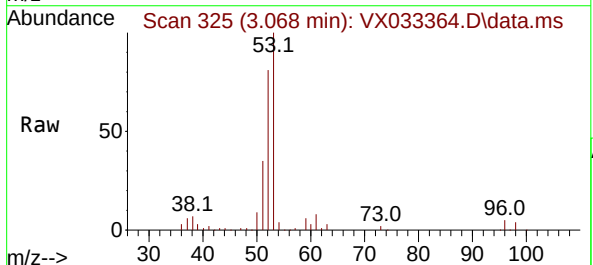
Manual Integrations
APPROVED

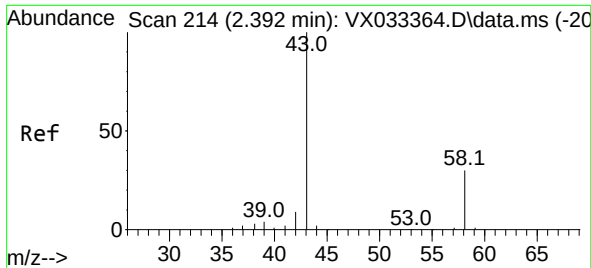
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#14
Acrylonitrile
Concen: 85.374 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 53 Resp: 57462
Ion Ratio Lower Upper
53 100
52 80.5 41.5 124.5
51 36.9 18.3 54.9





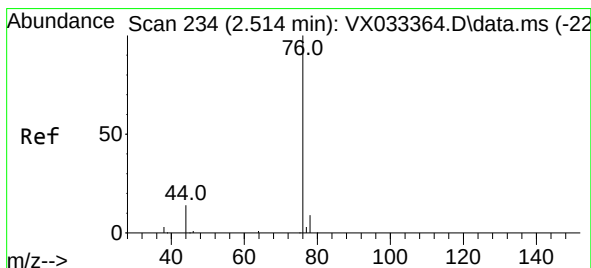
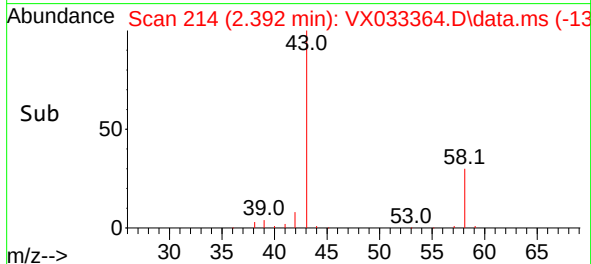
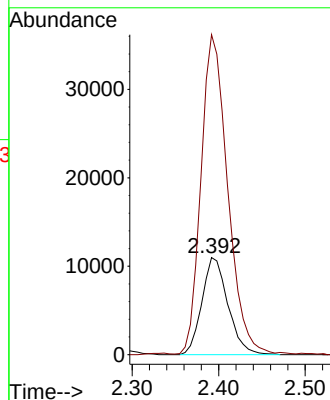
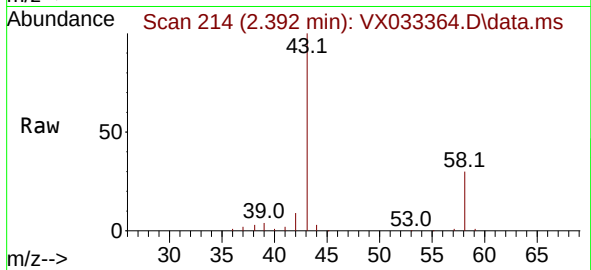
#15
Acetone
Concen: 130.911 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 22912
Ion Ratio Lower Upper
58 100
43 328.6 242.6 364.0

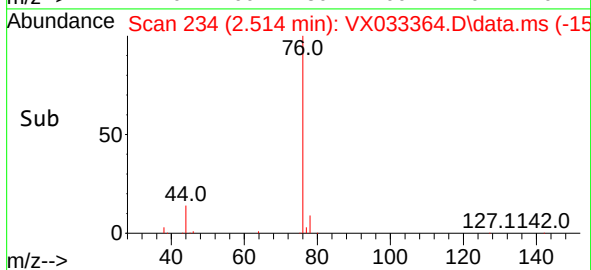
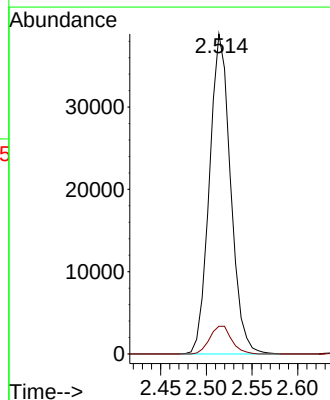
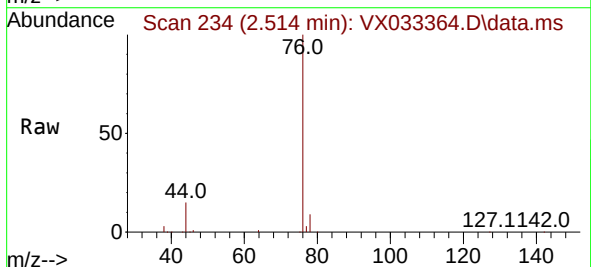
Manual Integrations
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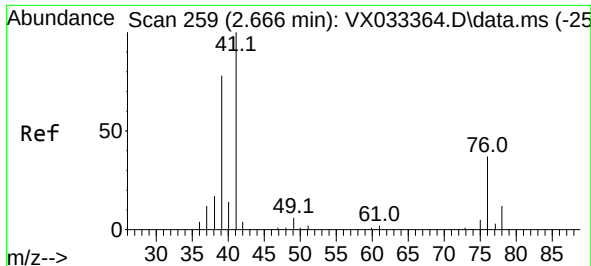
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#16
Carbon Disulfide
Concen: 19.833 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 76 Resp: 62577
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3





#17

Allyl chloride

Concen: 18.514 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

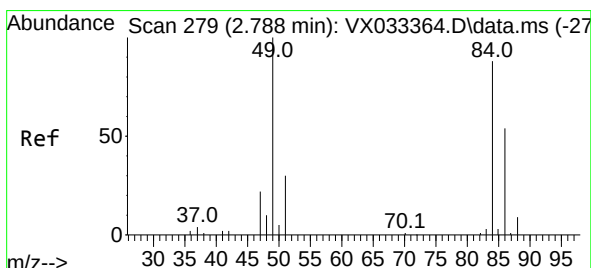
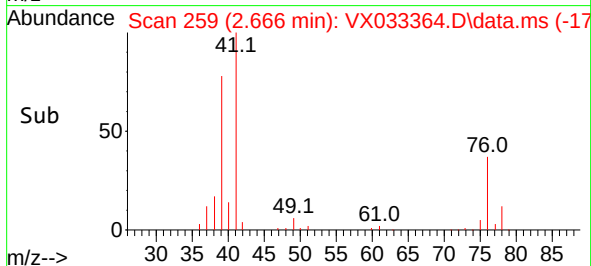
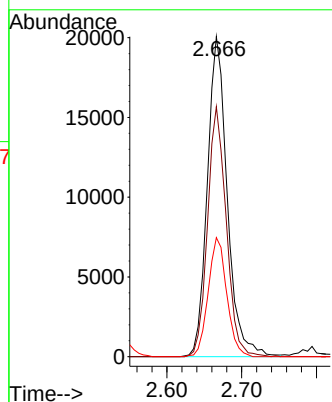
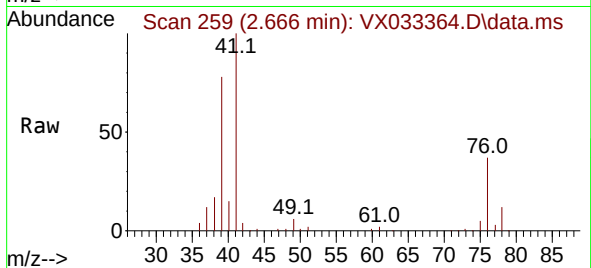
Tgt Ion:	41	Resp:	3728
Ion	Ratio	Lower	Upper
41	100		
39	78.1	37.0	111.0
76	37.2	23.8	71.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#18

Methylene Chloride

Concen: 17.910 ug/l

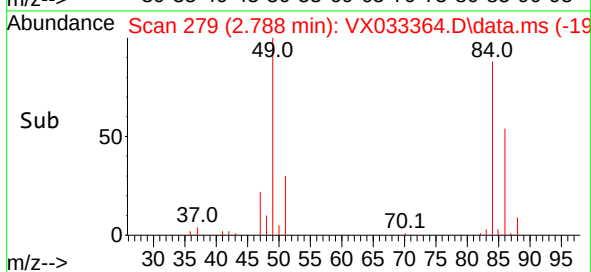
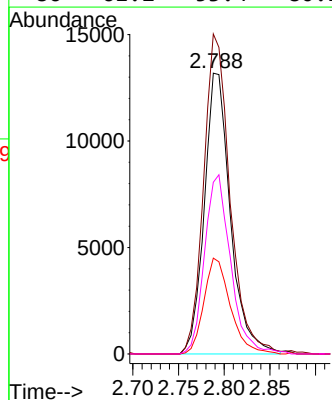
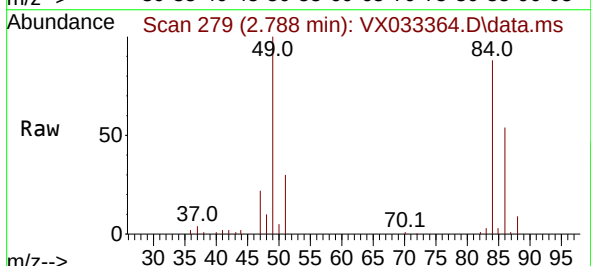
RT: 2.788 min Scan# 279

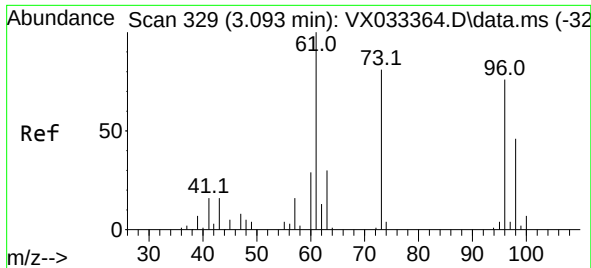
Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion:	84	Resp:	26179
Ion	Ratio	Lower	Upper
84	100		
49	114.0	84.6	127.0
51	34.1	26.5	39.7
86	61.2	53.4	80.2





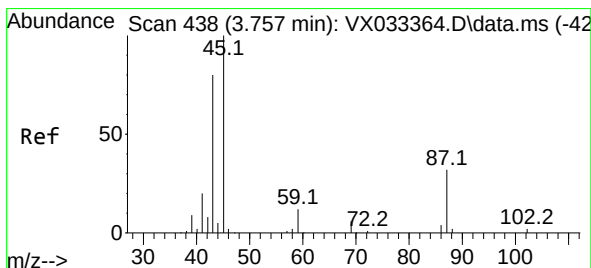
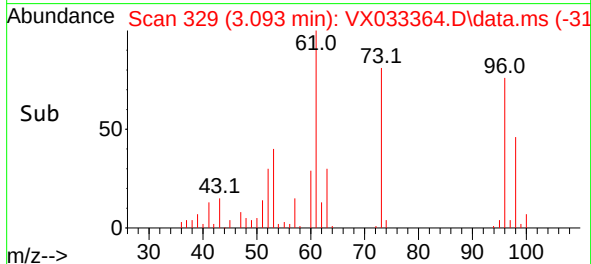
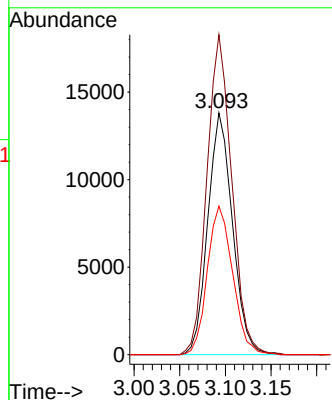
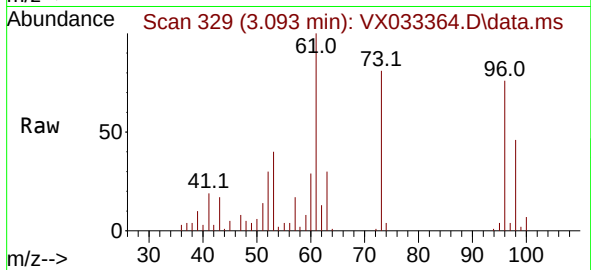
#19
trans-1,2-Dichloroethene
Concen: 18.631 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 26012
Ion Ratio Lower Upper
96 100
61 132.3 87.4 131.0
98 61.4 51.5 77.3

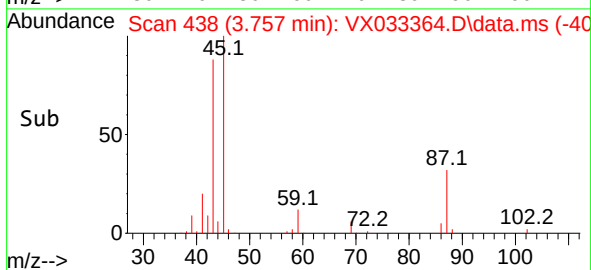
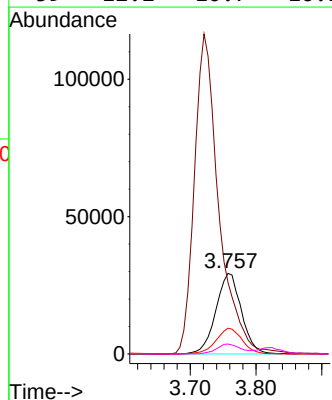
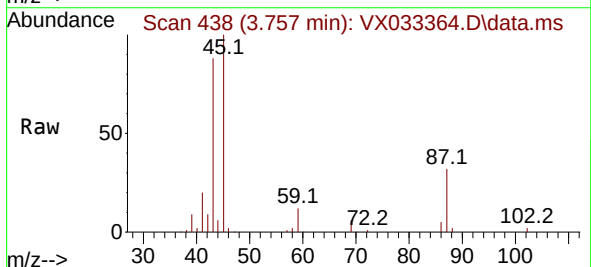
Manual Integrations
APPROVED

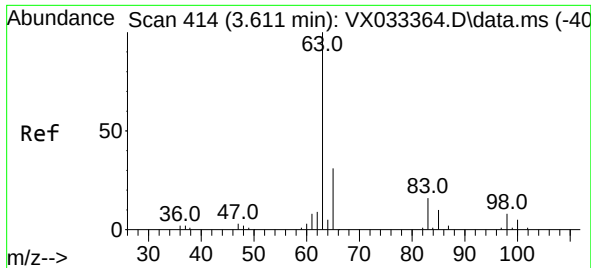
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#20
Diisopropyl ether
Concen: 17.501 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 45 Resp: 79032
Ion Ratio Lower Upper
45 100
43 85.2 74.5 111.7
87 31.9 30.4 45.6
59 12.2 10.7 16.1





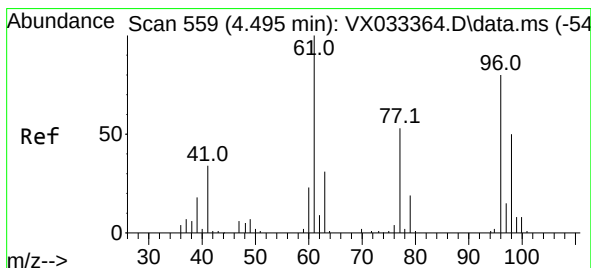
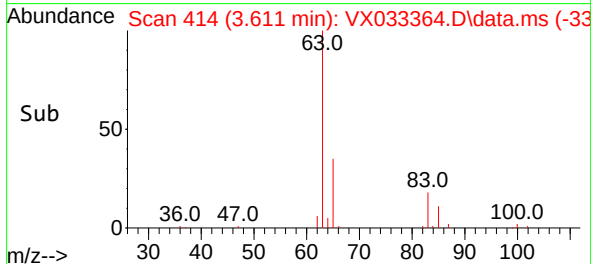
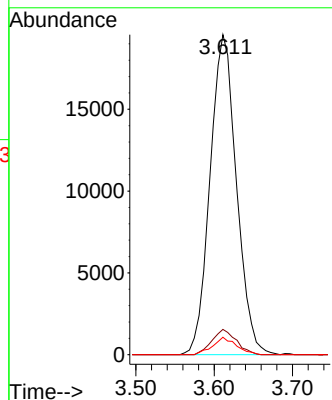
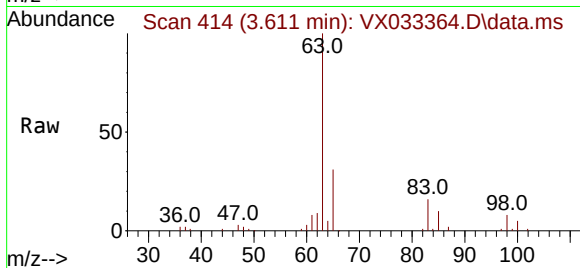
#21
1,1-Dichloroethane
Concen: 18.101 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 4588
Ion Ratio Lower Upper
63 100
98 7.9 4.5 13.7
100 5.5 2.8 8.3

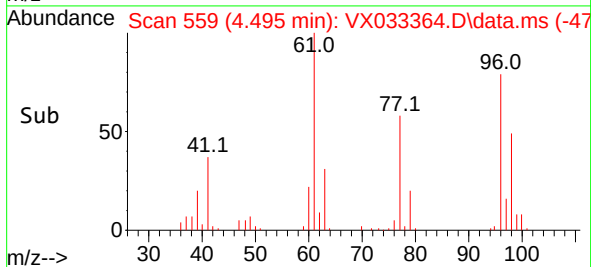
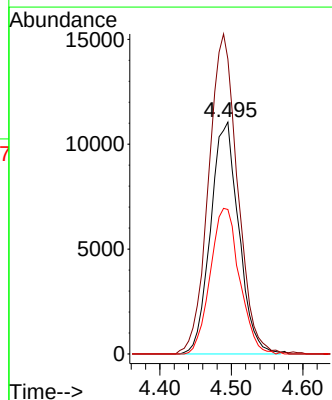
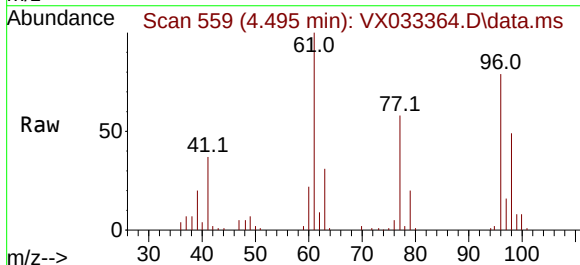
Manual Integrations
APPROVED

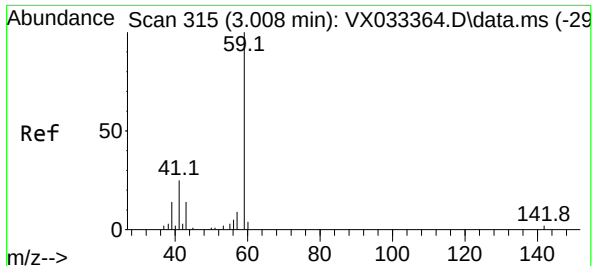
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#22
cis-1,2-Dichloroethene
Concen: 18.580 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 96 Resp: 30290
Ion Ratio Lower Upper
96 100
61 141.9 98.0 147.0
98 64.9 52.2 78.4





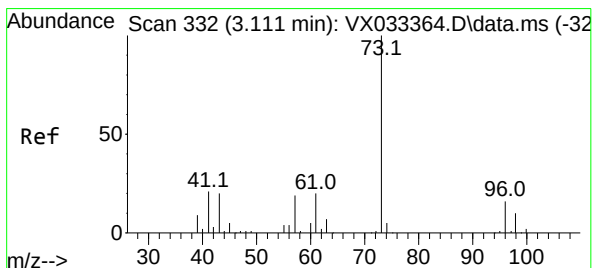
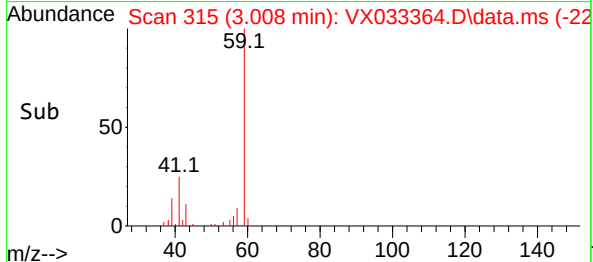
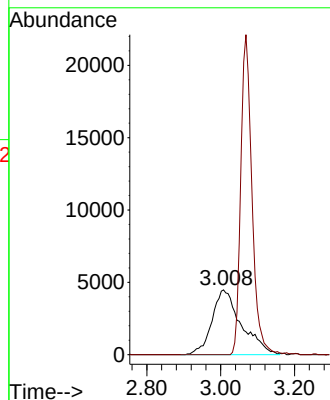
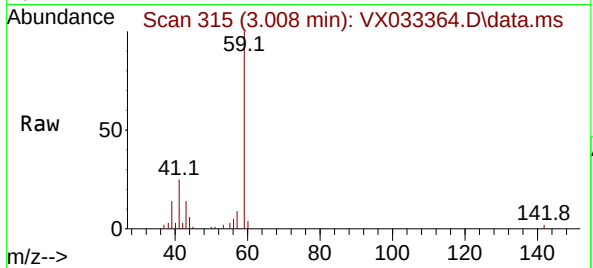
#23
tert-Butyl Alcohol
Concen: 113.609 ug/l m
RT: 3.008 min Scan# 315
Delta R.T. 0.024 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 24828
Ion Ratio Lower Upper
59 100
52 186.3 0.0 0.0

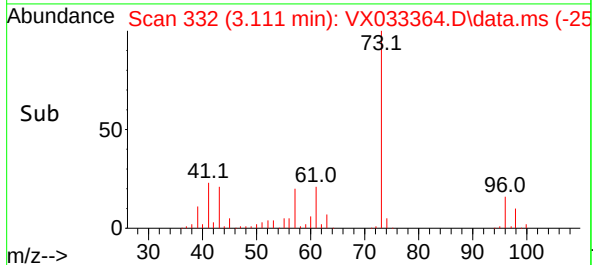
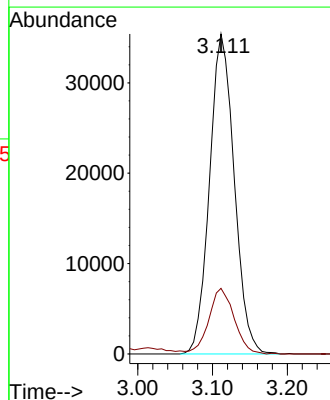
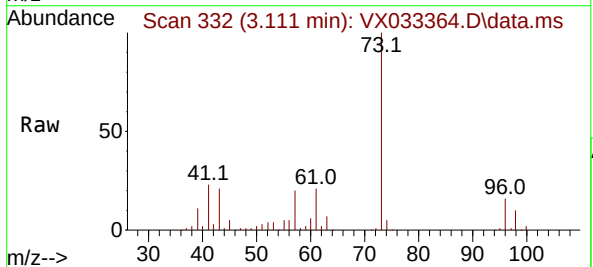
Manual Integrations
APPROVED

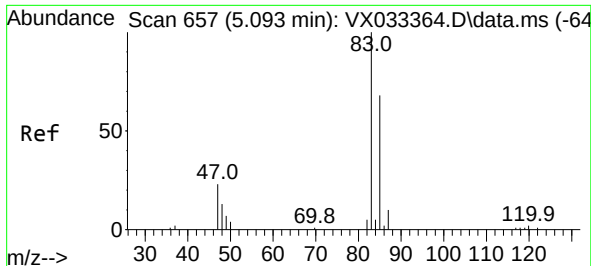
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#24
Methyl tert-Butyl Ether
Concen: 17.941 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 73 Resp: 81427
Ion Ratio Lower Upper
73 100
43 21.0 14.8 22.2





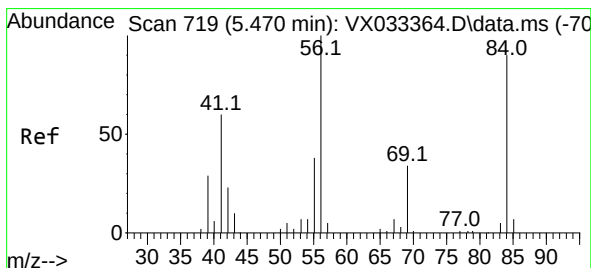
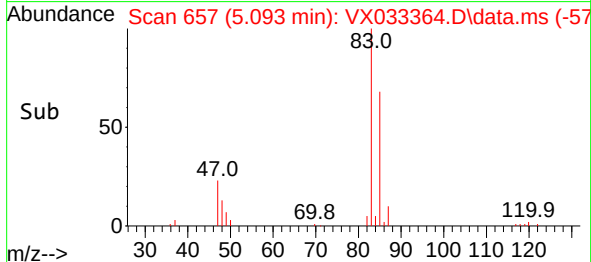
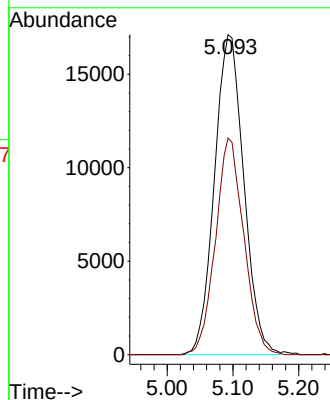
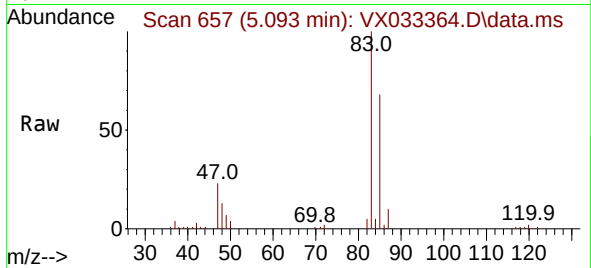
#25
Chloroform
Concen: 18.819 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 5321
Ion Ratio Lower Upper
83 100
85 67.7 51.4 77.0

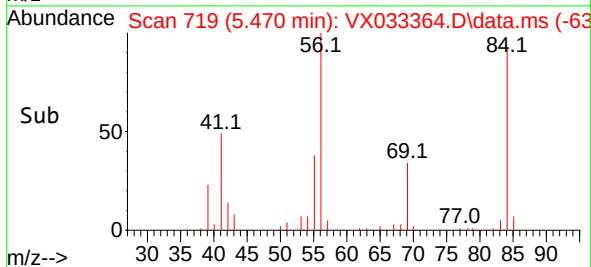
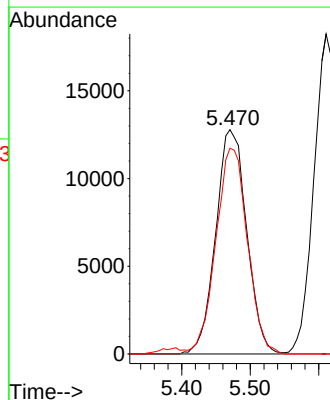
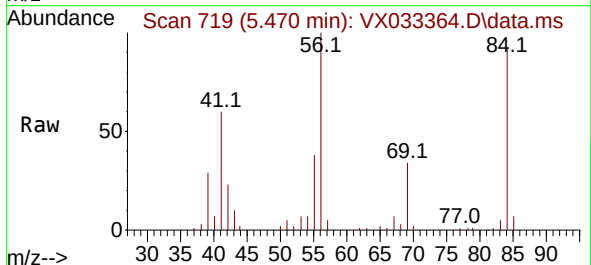
Manual Integrations
APPROVED

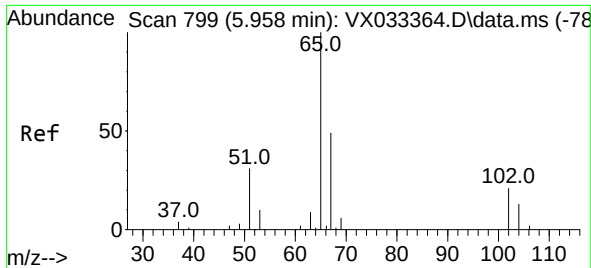
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#26
Cyclohexane
Concen: 18.110 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 56 Resp: 40092
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.4 86.6 130.0





#27

1,2-Dichloroethane-d4

Concen: 27.867 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 3502

Ion Ratio Lower Upper

65 100

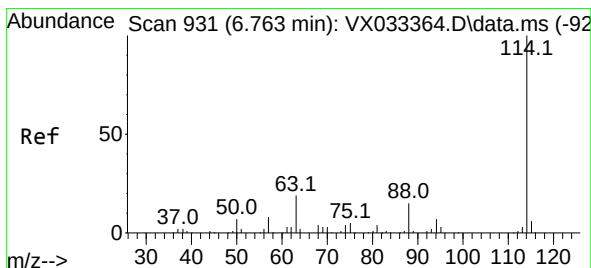
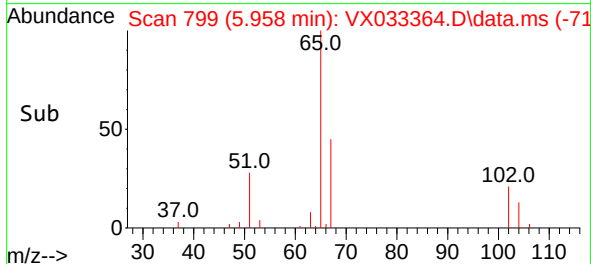
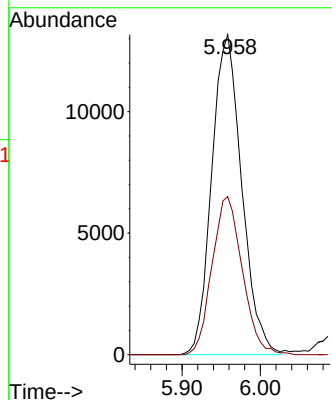
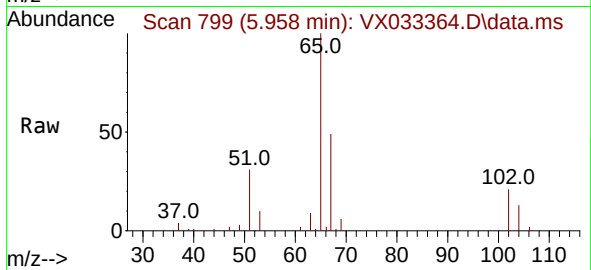
67 49.8 41.8 62.6

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: VX033364.D

Acq: 12 Dec 2022 10:58

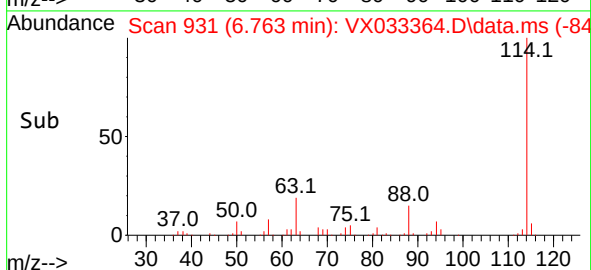
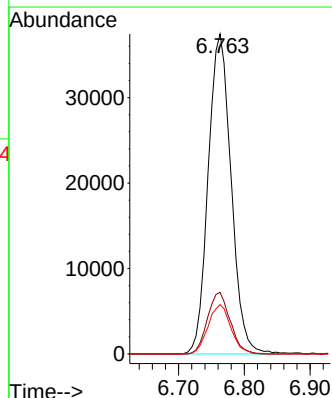
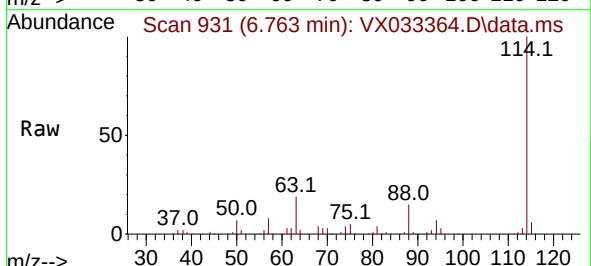
Tgt Ion:114 Resp: 90878

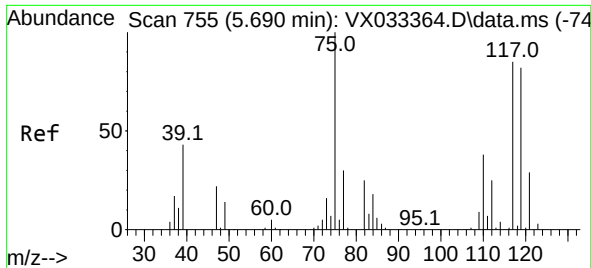
Ion Ratio Lower Upper

114 100

63 19.0 13.6 20.4

88 15.3 11.8 17.6





#29

1,1-Dichloropropene

Concen: 18.509 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.006 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

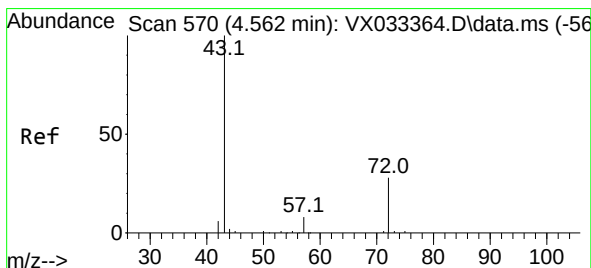
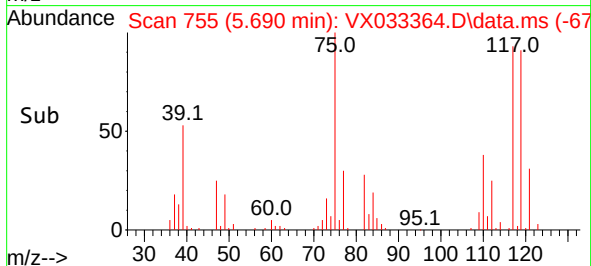
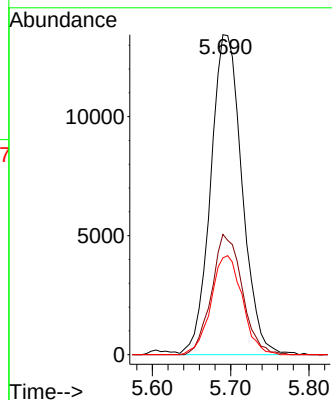
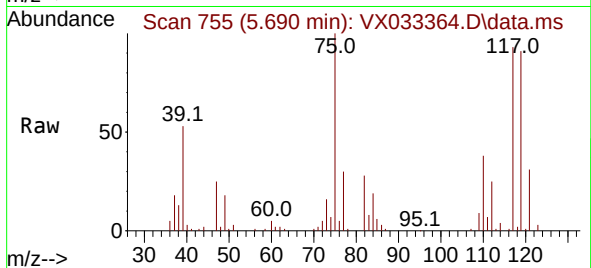
Tgt Ion:	75	Resp:	3730
Ion Ratio	Lower	Upper	
75	100		
110	36.8	0.0	80.4
77	31.0	0.0	62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#30

2-Butanone

Concen: 97.749 ug/l

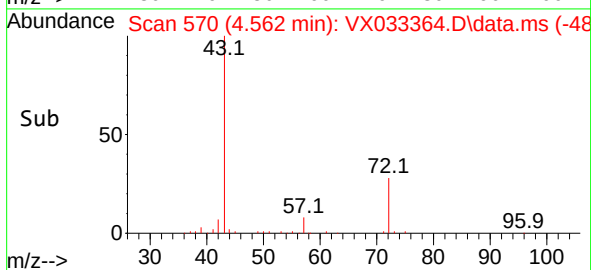
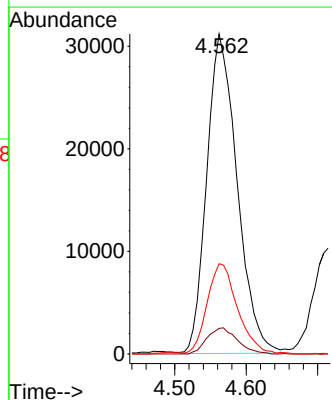
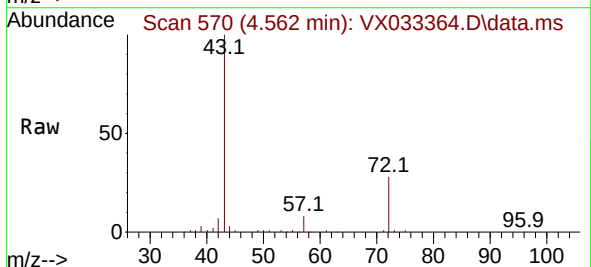
RT: 4.562 min Scan# 570

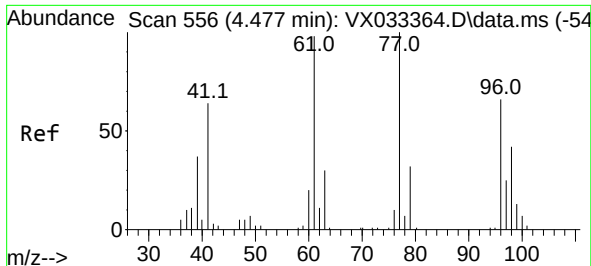
Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion:	43	Resp:	91863
Ion Ratio	Lower	Upper	
43	100		
57	8.2	7.5	11.3
72	28.1	26.6	39.8





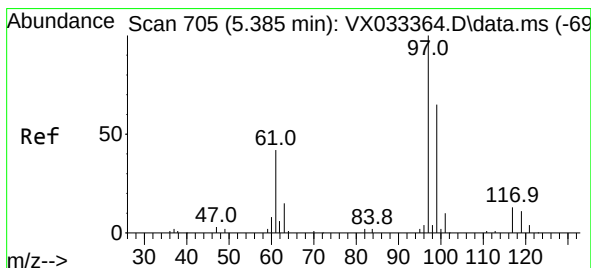
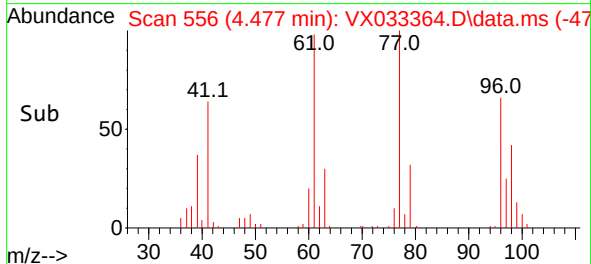
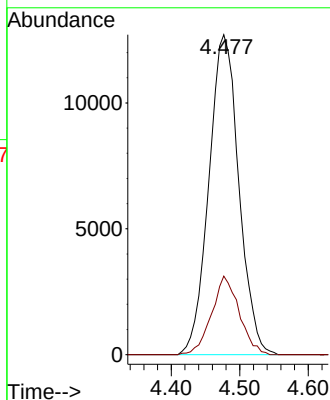
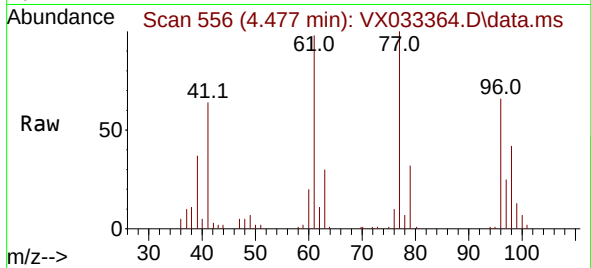
#31
2,2-Dichloropropane
Concen: 22.411 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 38630
Ion Ratio Lower Upper
77 100
97 22.6 20.0 30.0

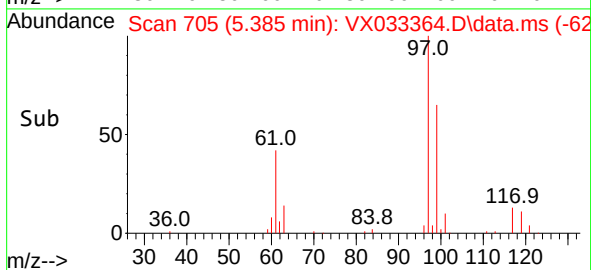
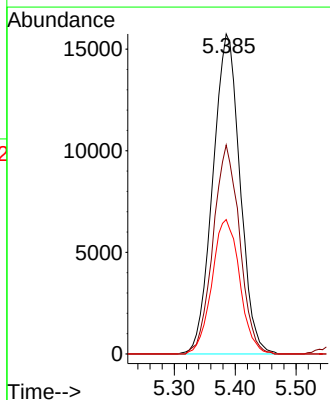
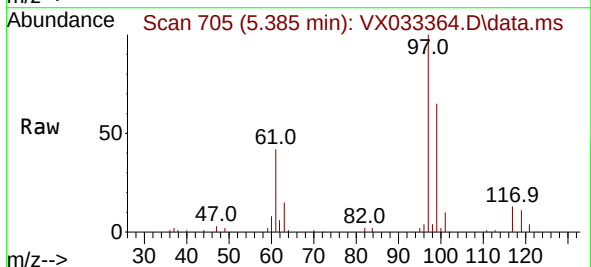
Manual Integrations
APPROVED

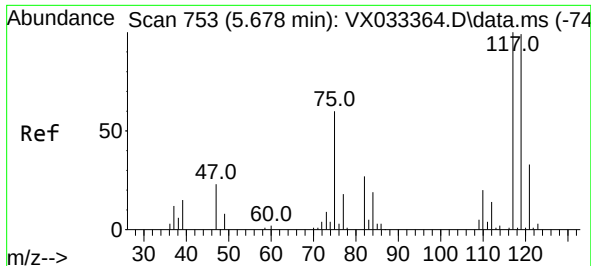
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#32
1,1,1-Trichloroethane
Concen: 19.230 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

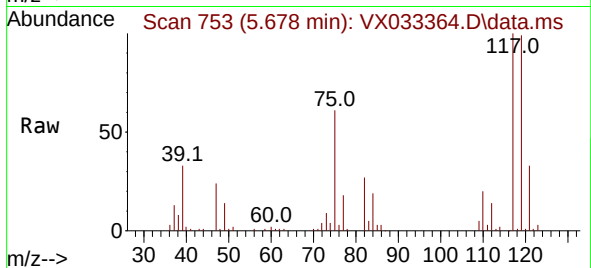
Tgt Ion: 97 Resp: 48755
Ion Ratio Lower Upper
97 100
99 63.7 53.8 80.6
61 42.9 31.3 46.9





#33
Carbon Tetrachloride
Concen: 20.001 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

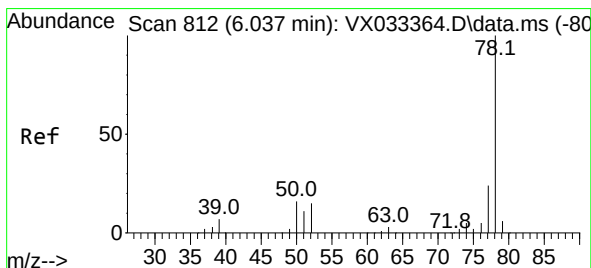
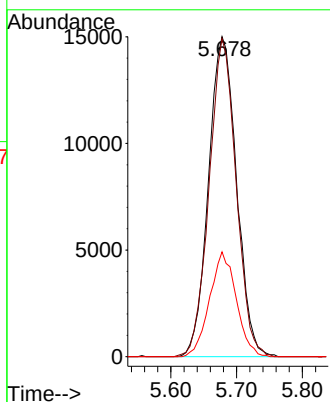
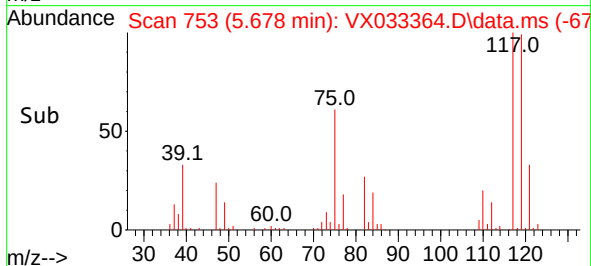
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



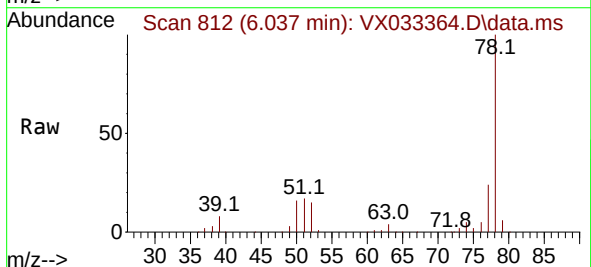
Tgt Ion: 117 Resp: 44524
Ion Ratio Lower Upper
117 100
119 99.4 75.4 113.2
121 32.7 24.4 36.6

Manual Integrations
APPROVED

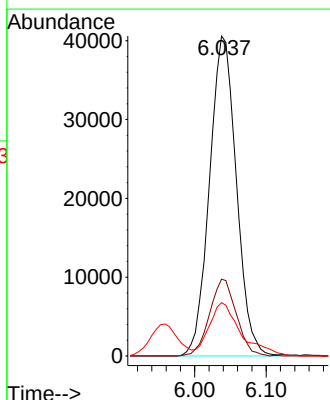
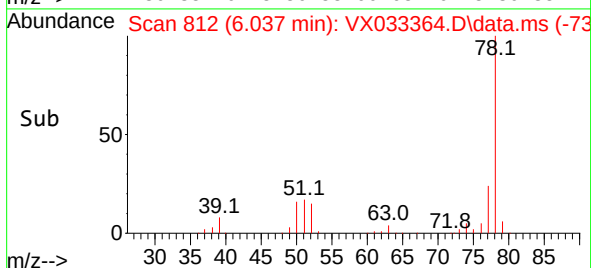
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

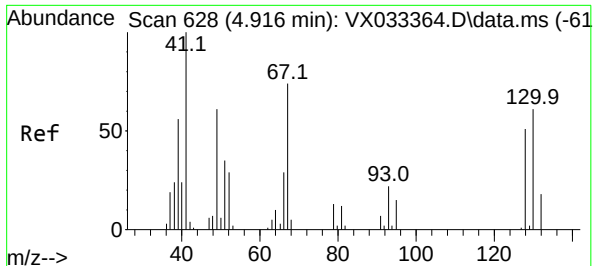


#34
Benzene
Concen: 18.651 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



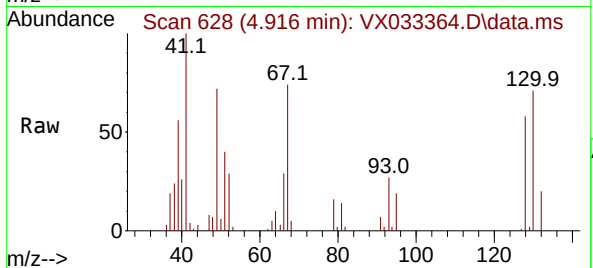
Tgt Ion: 78 Resp: 105920
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6
51 15.7 10.6 15.8





#35
Methacrylonitrile
Concen: 16.391 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

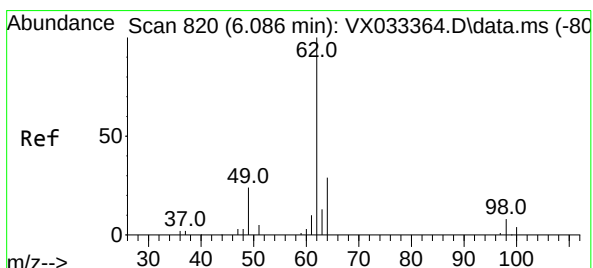
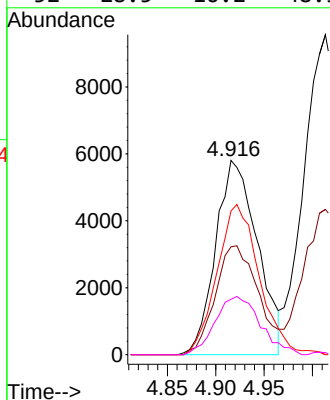
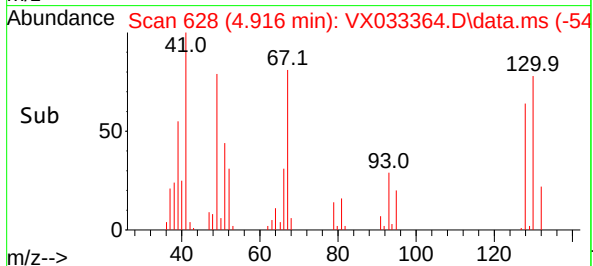
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 1744
Ion Ratio Lower Upper
41 100
39 55.5 26.9 80.7
67 73.9 40.6 121.8
52 28.5 16.2 48.5

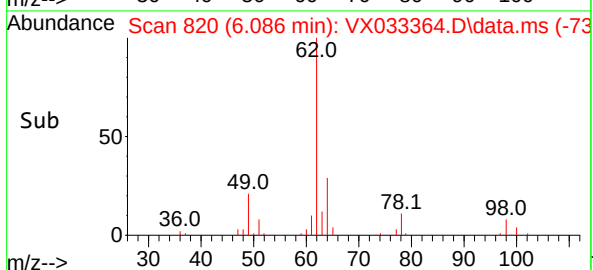
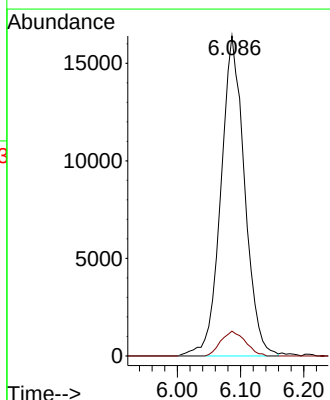
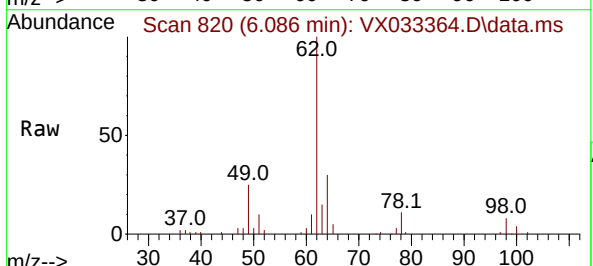
Manual Integrations
APPROVED

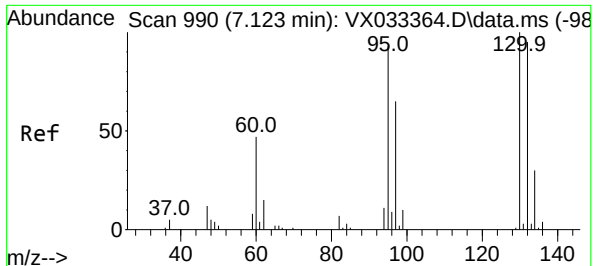
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#36
1,2-Dichloroethane
Concen: 18.274 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

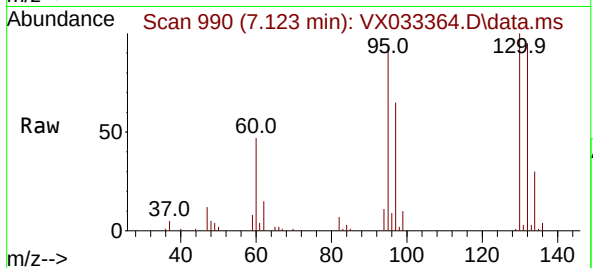
Tgt Ion: 62 Resp: 42721
Ion Ratio Lower Upper
62 100
98 8.0 8.8 13.2#





#37
Trichloroethene
Concen: 19.091 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

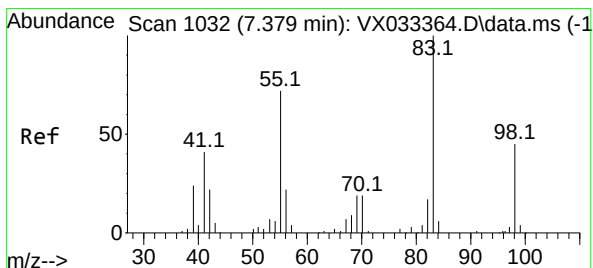
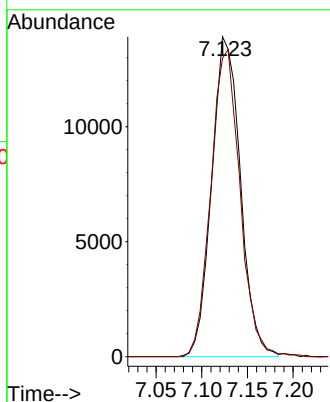
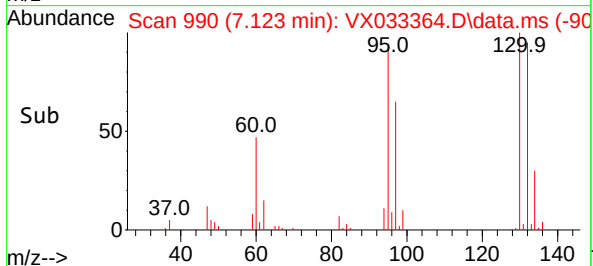
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



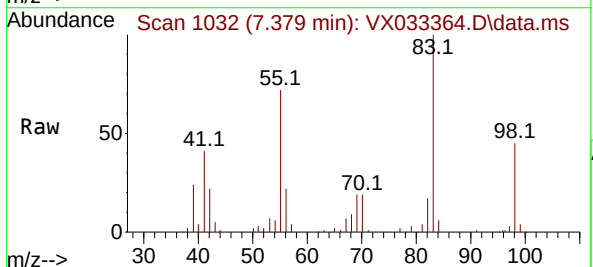
Tgt Ion:130 Resp: 30330
Ion Ratio Lower Upper
130 100
95 93.3 72.4 108.6

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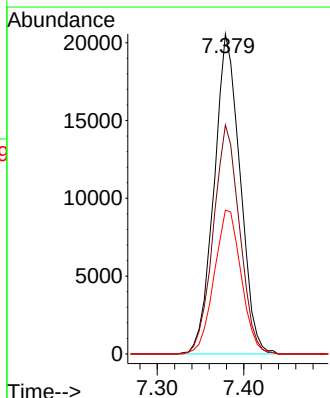
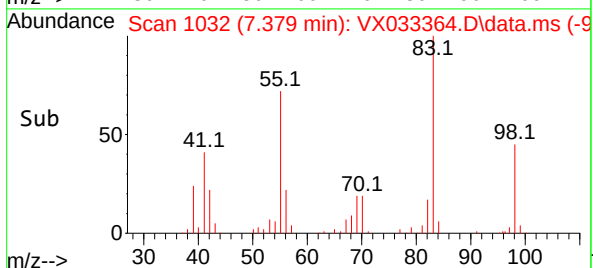
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

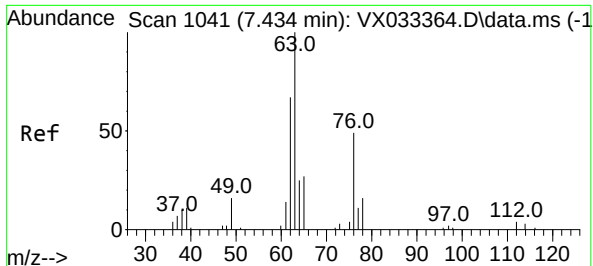


#38
Methylcyclohexane
Concen: 18.997 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



Tgt Ion: 83 Resp: 42899
Ion Ratio Lower Upper
83 100
55 72.4 31.6 94.7
98 46.8 26.9 80.6





#39

1,2-Dichloropropane

Concen: 18.442 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 26510

Ion Ratio Lower Upper

63 100

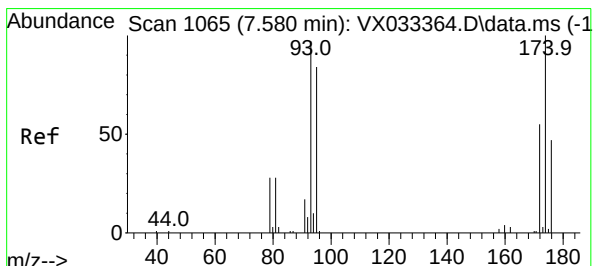
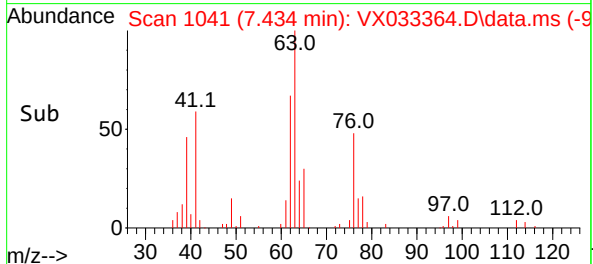
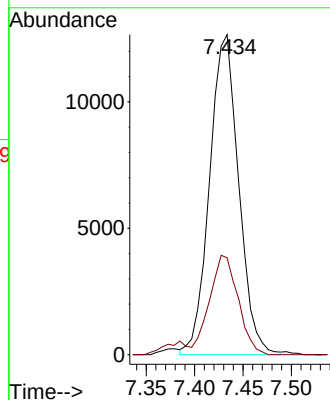
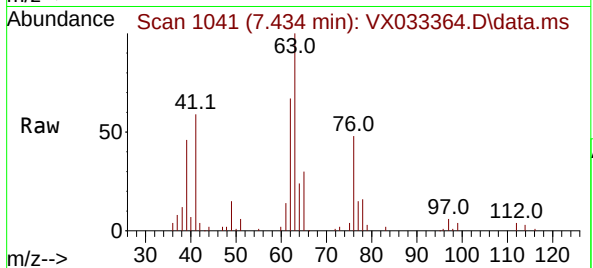
65 30.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#40

Dibromomethane

Concen: 18.382 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

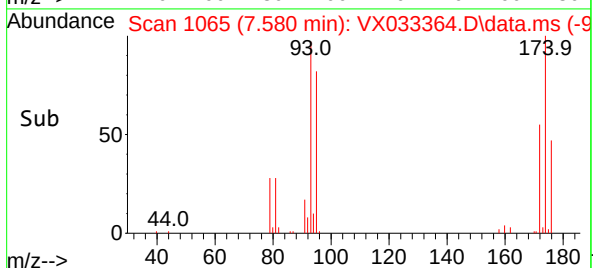
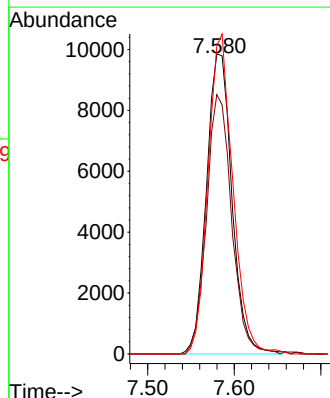
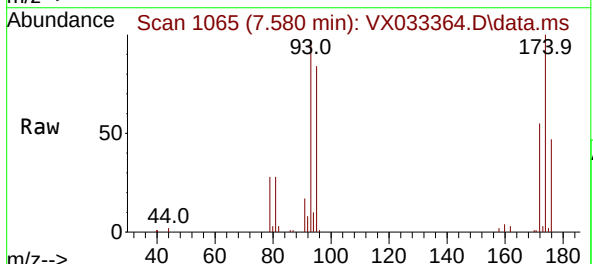
Tgt Ion: 93 Resp: 20174

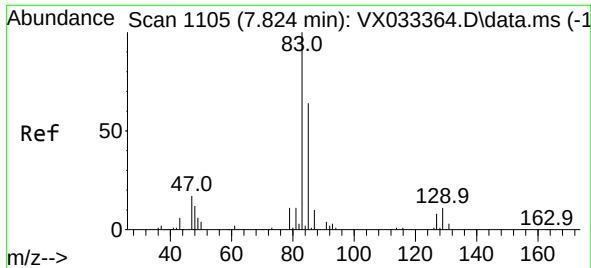
Ion Ratio Lower Upper

93 100

95 85.1 0.0 165.0

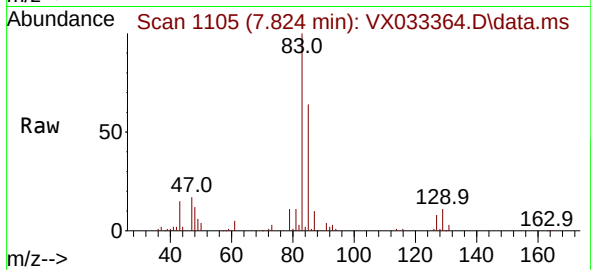
174 103.4 0.0 205.2





#41
Bromodichloromethane
Concen: 20.245 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

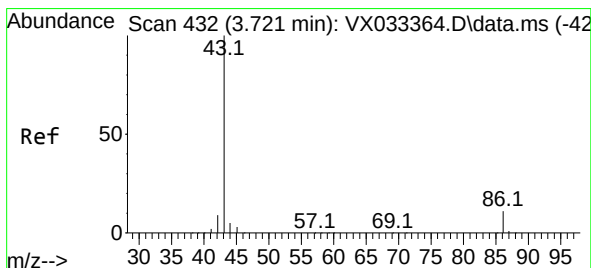
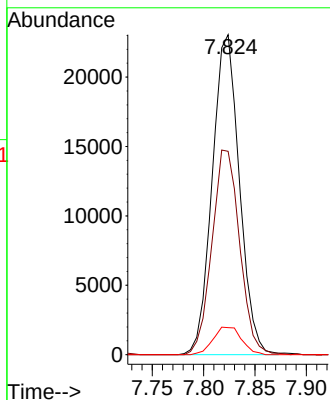
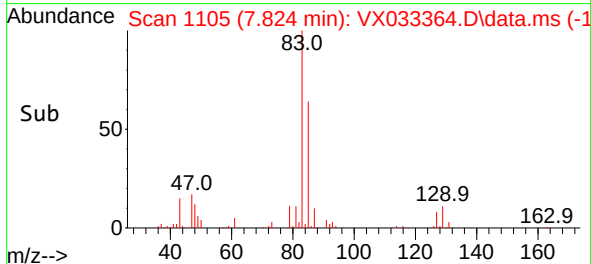
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 4235
Ion Ratio Lower Upper
83 100
85 63.6 52.3 78.5
127 8.5 6.8 10.2

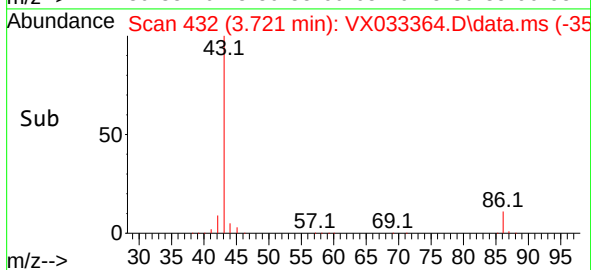
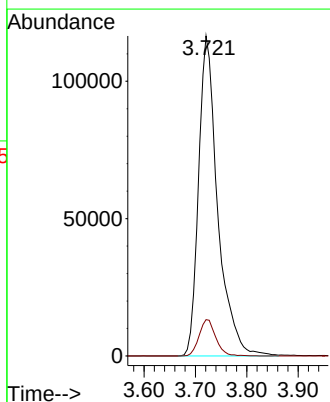
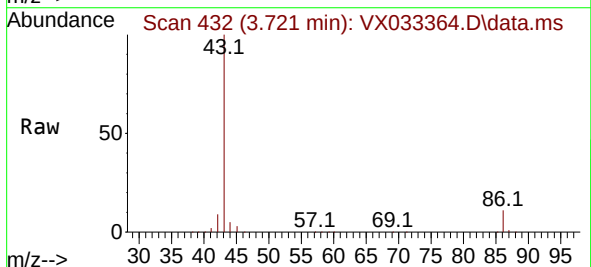
Manual Integrations
APPROVED

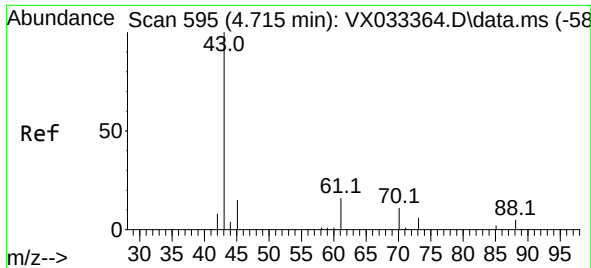
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#42
Vinyl Acetate
Concen: 83.511 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

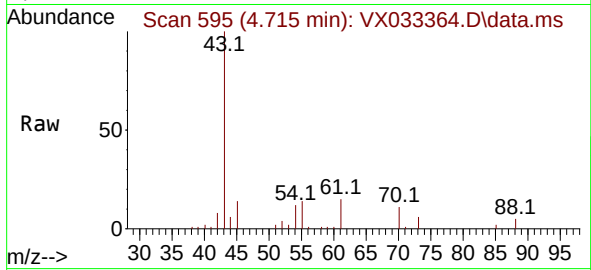
Tgt Ion: 43 Resp: 301567
Ion Ratio Lower Upper
43 100
86 9.8 10.3 15.5#





#43
Ethyl Acetate
Concen: 16.451 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

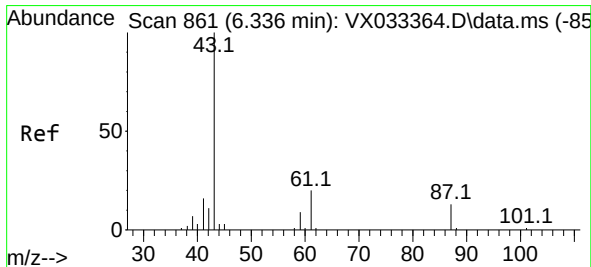
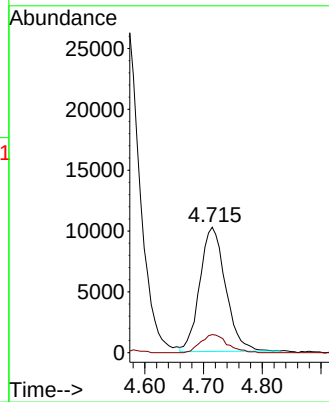
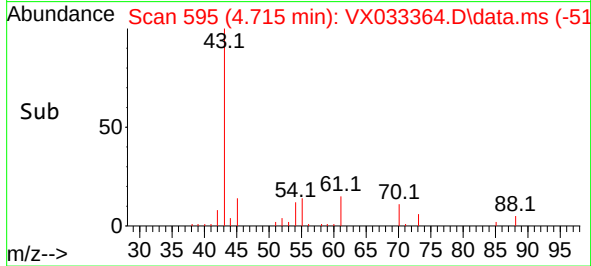
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



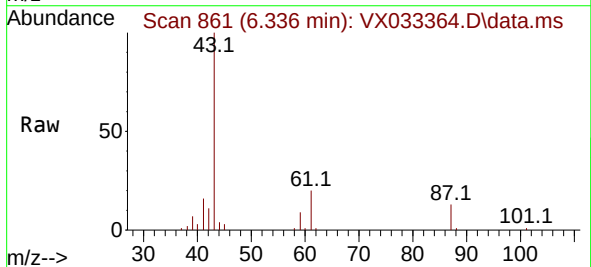
Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
45 15.0 8.2 12.2

Manual Integrations
APPROVED

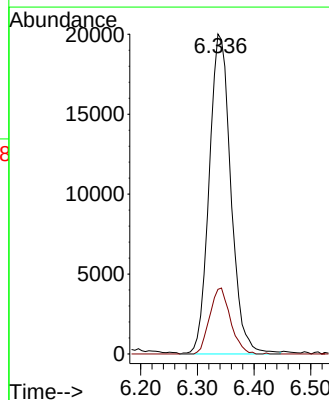
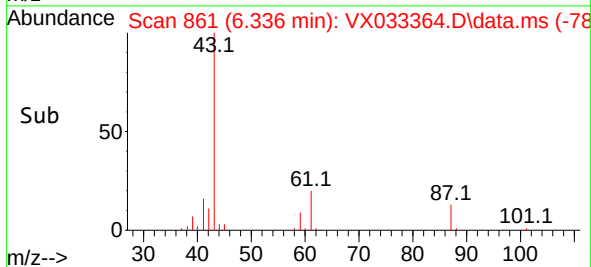
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

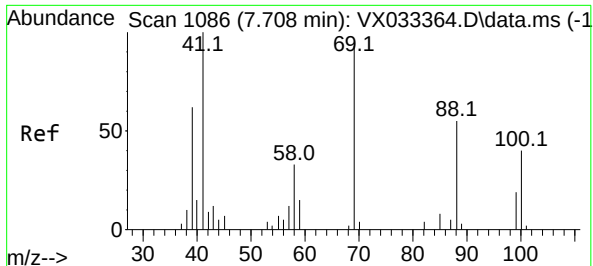


#44
Isopropyl Acetate
Concen: 16.761 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



Tgt Ion: 43 Resp: 53102
Ion Ratio Lower Upper
43 100
61 19.6 17.2 25.8





#45

1,4-Dioxane

Concen: 435.548 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.018 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 13254

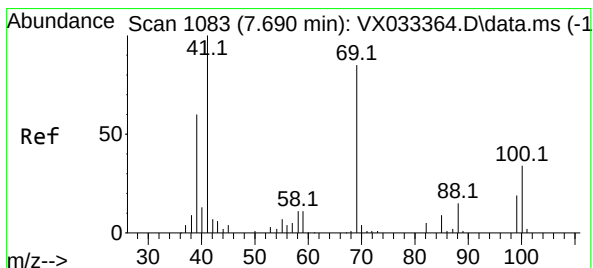
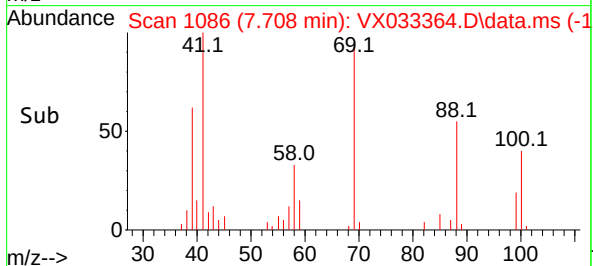
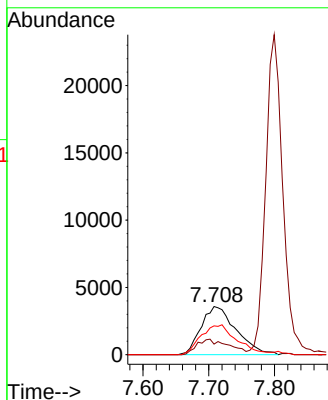
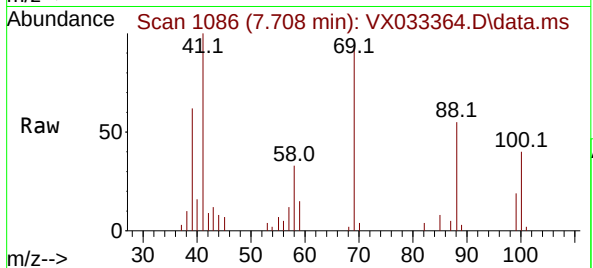
Ion	Ratio	Lower	Upper
88	100		
43	15.5	20.4	30.6
58	63.9	44.0	66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#46

Methyl methacrylate

Concen: 16.615 ug/l

RT: 7.690 min Scan# 1083

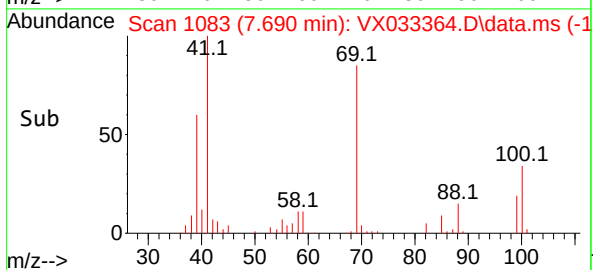
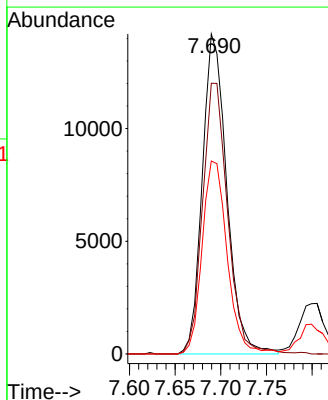
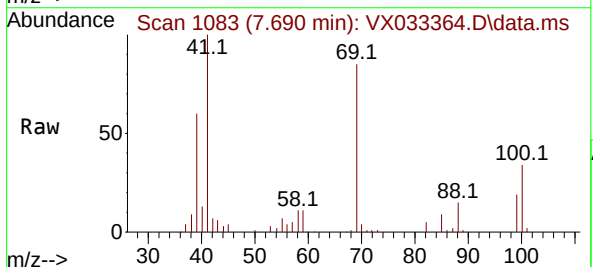
Delta R.T. -0.006 min

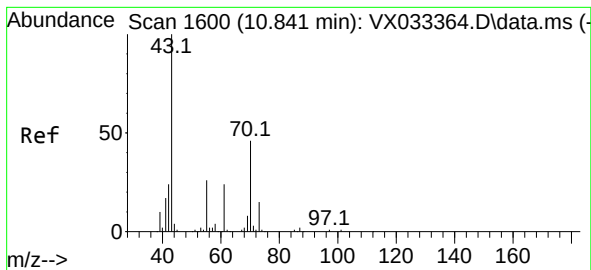
Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion: 41 Resp: 26499

Ion	Ratio	Lower	Upper
41	100		
69	84.6	50.5	151.5
39	60.3	34.6	103.8





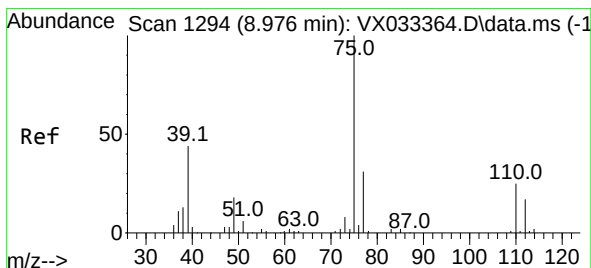
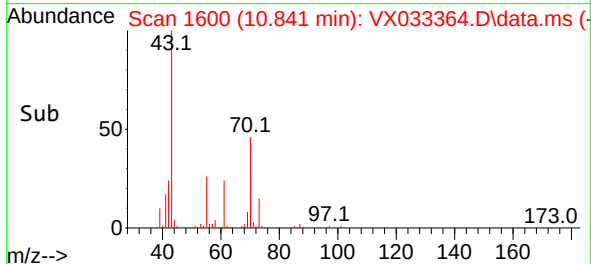
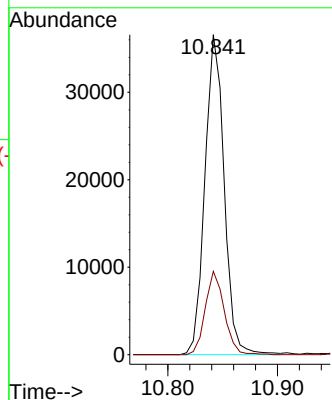
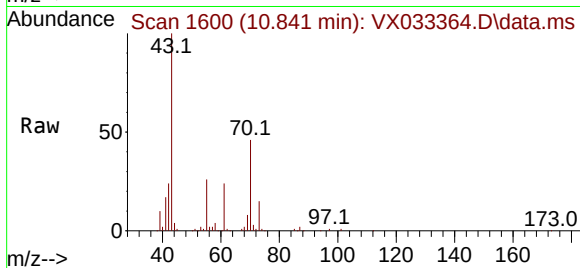
#47
n-amy1 Acetate
Concen: 15.845 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
55 25.7 21.6 32.4

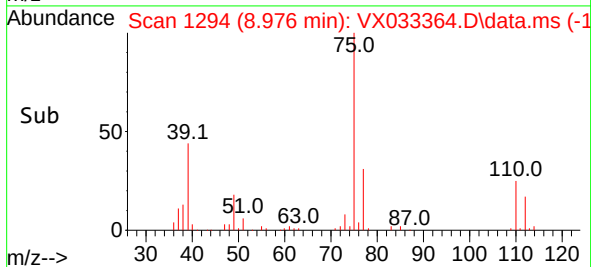
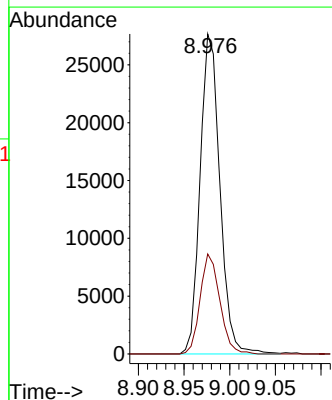
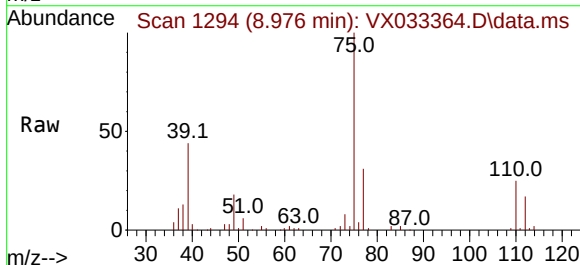
Manual Integrations
APPROVED

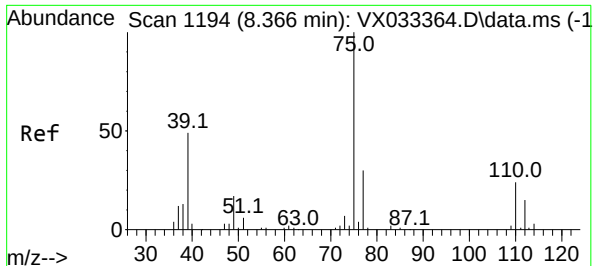
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#48
t-1,3-Dichloropropene
Concen: 19.438 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 75 Resp: 41715
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 19.515 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 44224

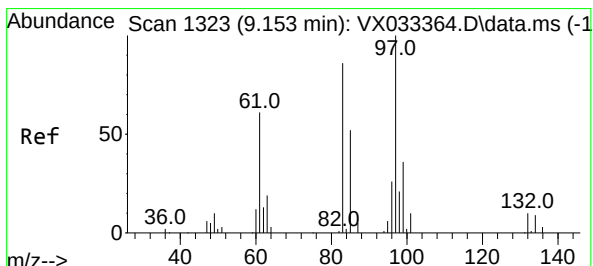
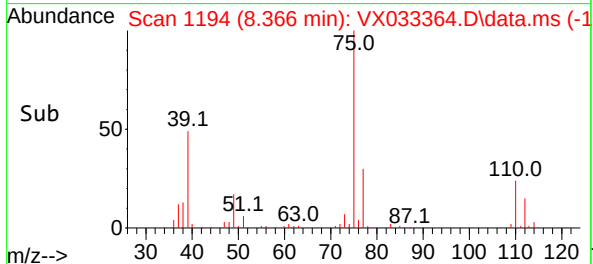
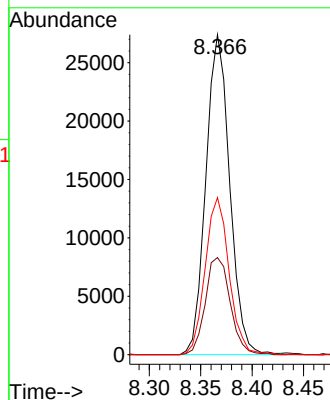
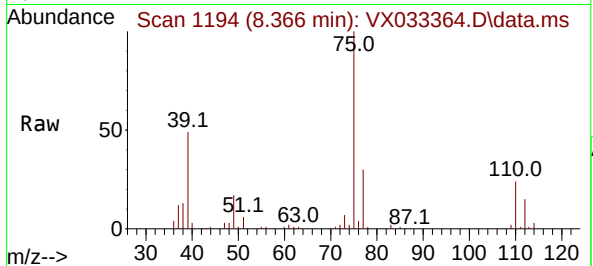
Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	49.1	34.1	51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#50

1,1,2-Trichloroethane

Concen: 18.831 ug/l

RT: 9.153 min Scan# 1323

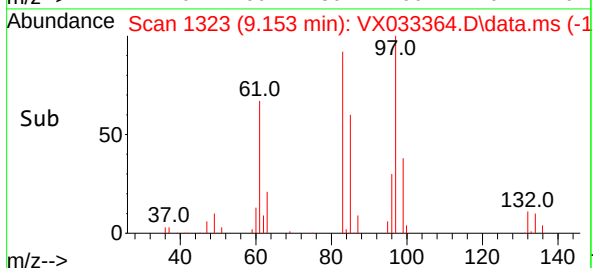
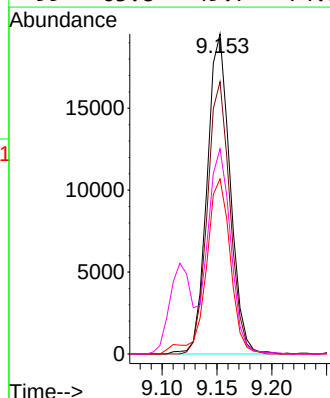
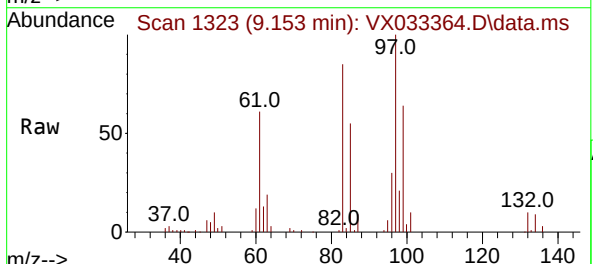
Delta R.T. 0.000 min

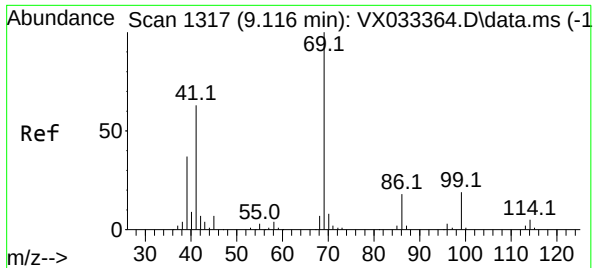
Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion: 97 Resp: 28416

Ion	Ratio	Lower	Upper
97	100		
83	85.1	62.2	93.4
85	54.7	44.2	66.2
99	63.8	49.7	74.5





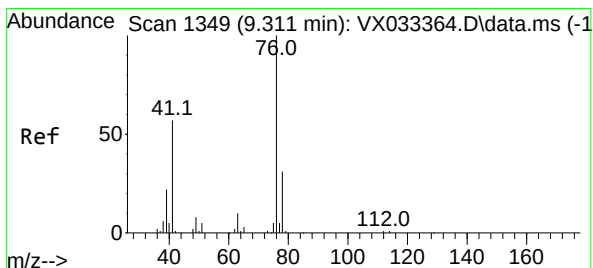
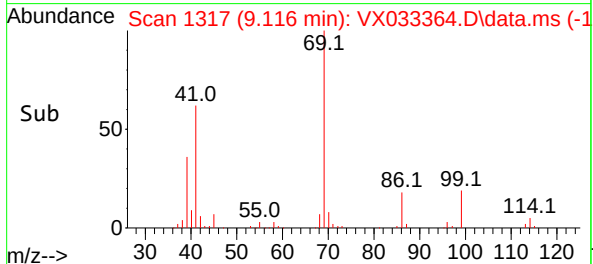
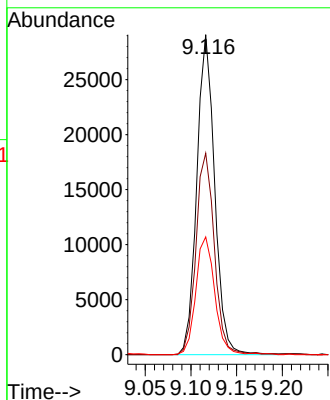
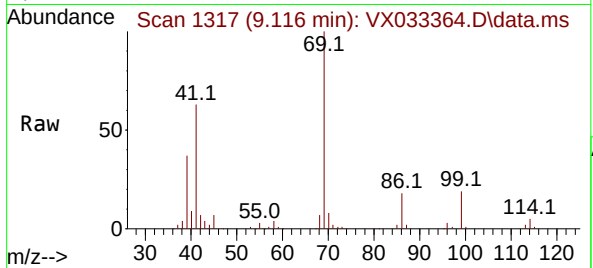
#51
Ethyl methacrylate
Concen: 17.554 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 3956
Ion Ratio Lower Upper
69 100
41 62.8 25.9 77.7
39 36.8 17.8 53.3

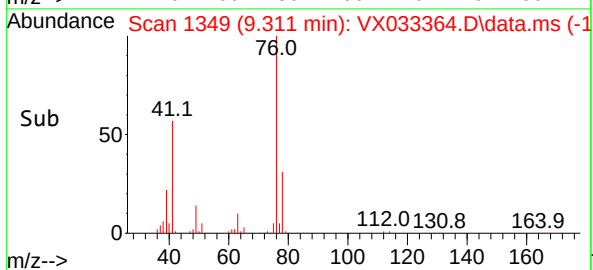
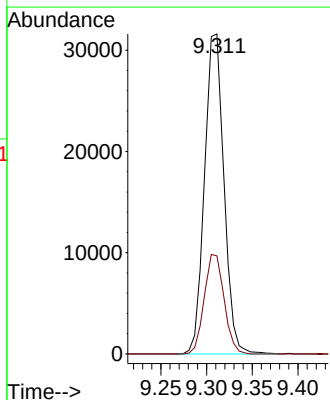
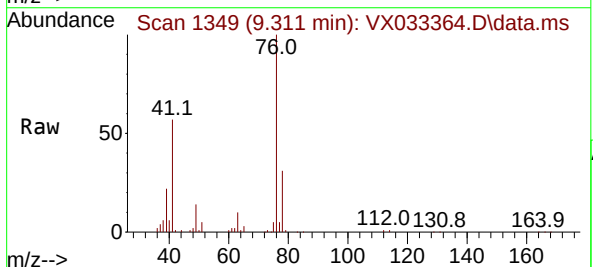
Manual Integrations
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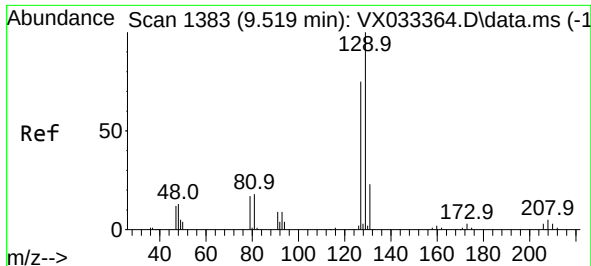
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#52
1,3-Dichloropropane
Concen: 18.905 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 76 Resp: 46641
Ion Ratio Lower Upper
76 100
78 31.7 0.0 66.0





#53

Dibromochloromethane

Concen: 20.670 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:129 Resp: 3392

Ion Ratio Lower Upper

129 100

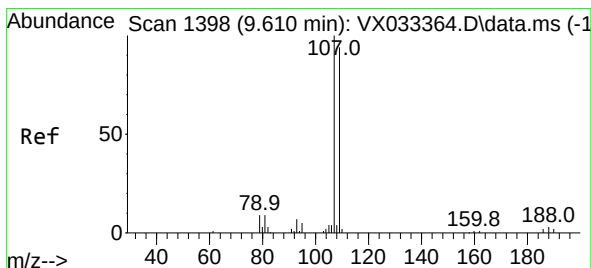
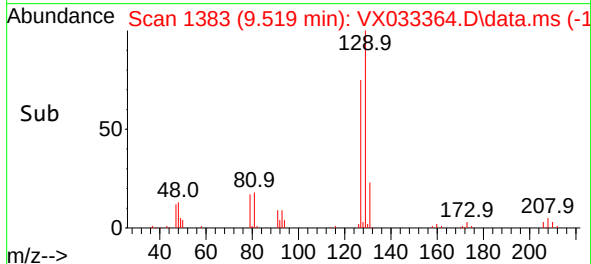
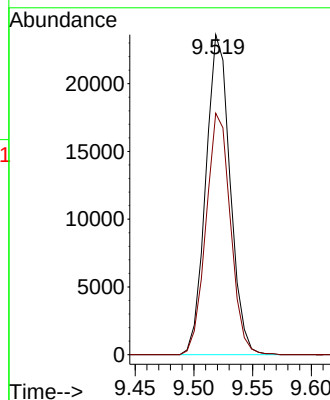
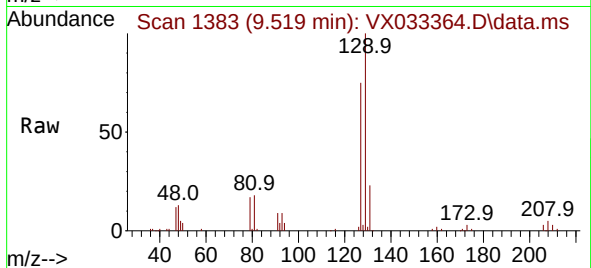
127 76.2 39.0 117.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#54

1,2-Dibromoethane

Concen: 19.146 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX033364.D

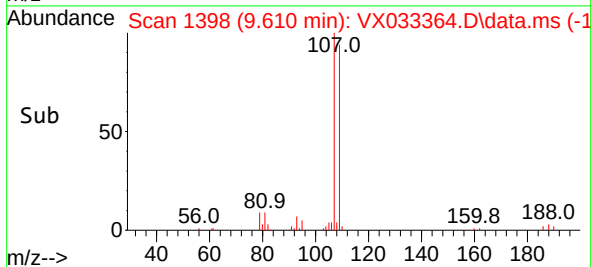
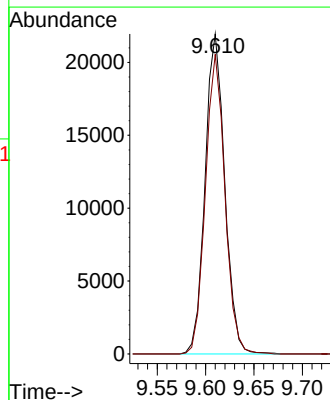
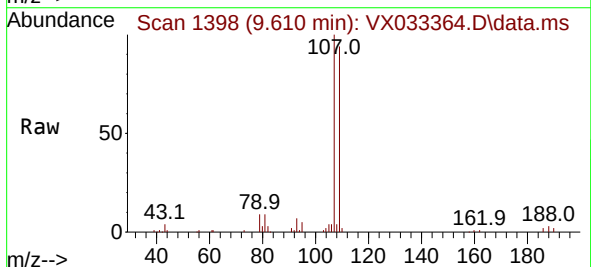
Acq: 12 Dec 2022 10:58

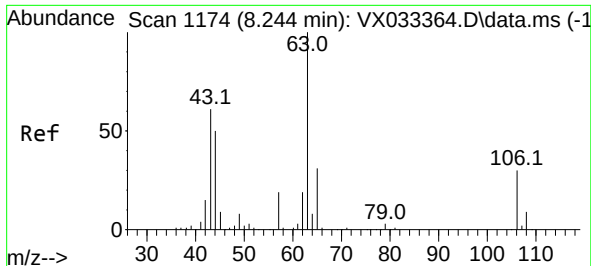
Tgt Ion:107 Resp: 31121

Ion Ratio Lower Upper

107 100

109 92.7 75.0 112.6





#55

2-Chloroethyl vinyl ether

Concen: 80.906 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

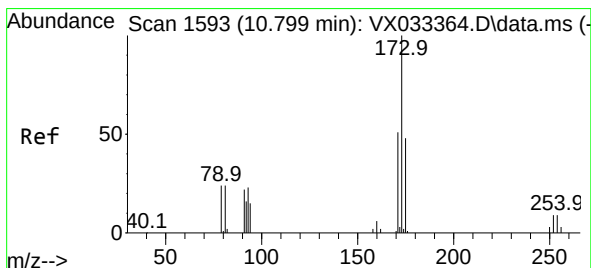
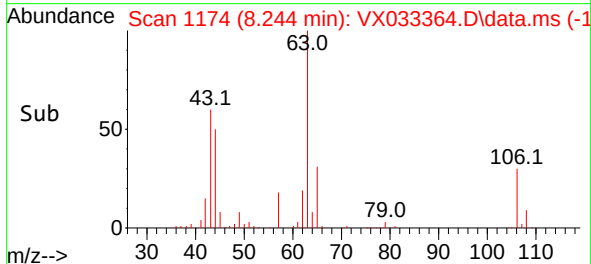
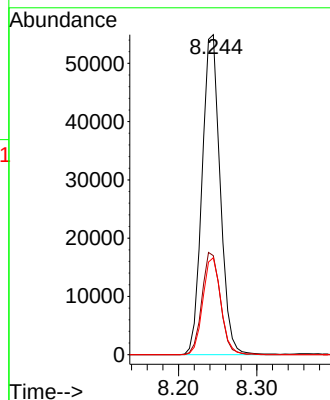
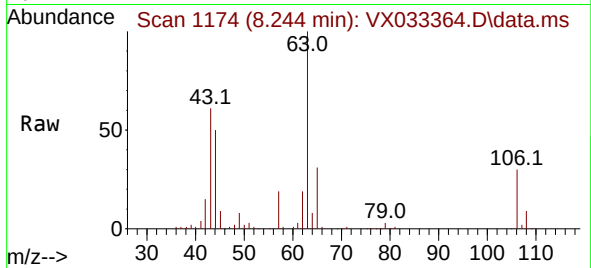
Tgt Ion:	63	Resp:	88114
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.5	38.3
106	30.3	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#56

Bromoform

Concen: 20.681 ug/l

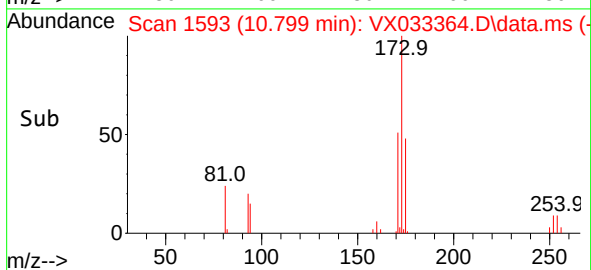
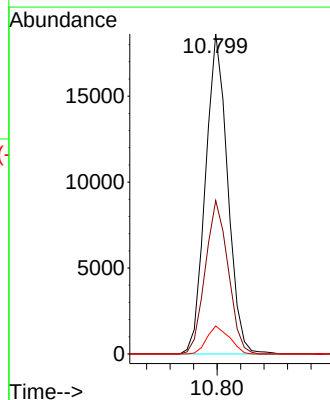
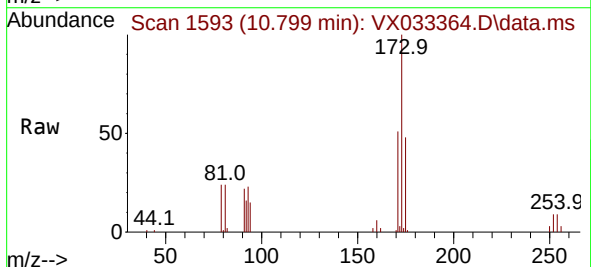
RT: 10.799 min Scan# 1593

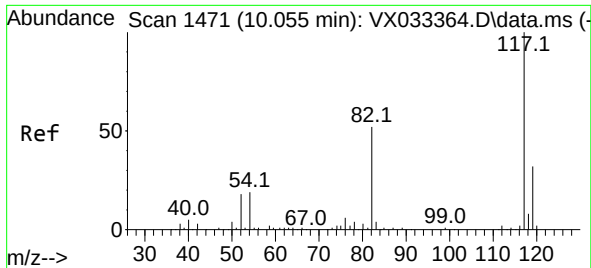
Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion:	173	Resp:	24298
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.6	58.0
254	8.9	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: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 117 Resp: 98499

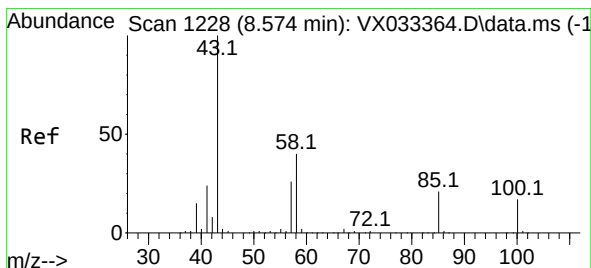
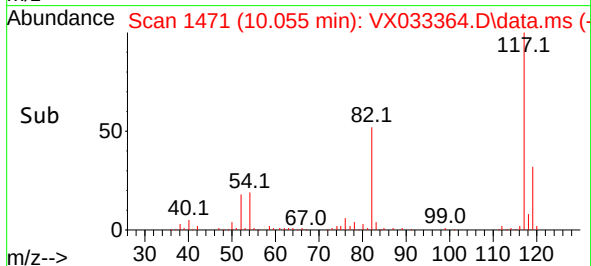
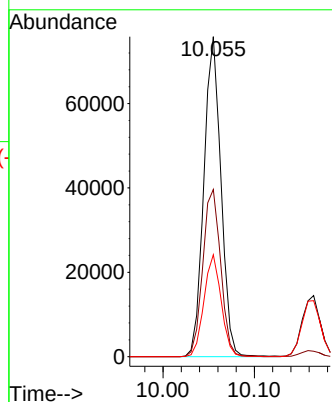
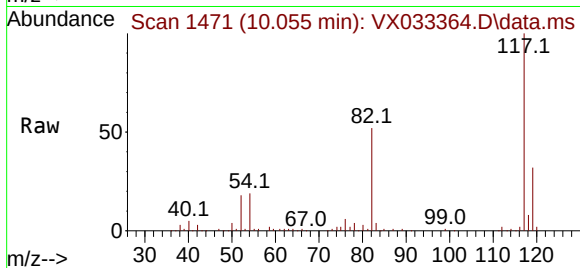
Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.0	60.0
119	32.0	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#58

4-Methyl-2-Pentanone

Concen: 86.356 ug/l

RT: 8.574 min Scan# 1228

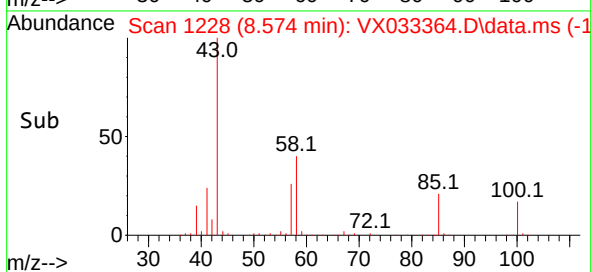
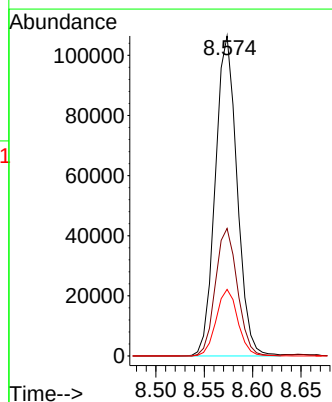
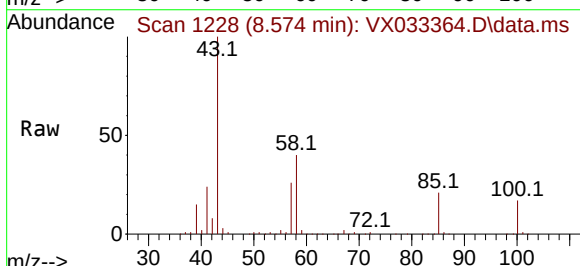
Delta R.T. 0.000 min

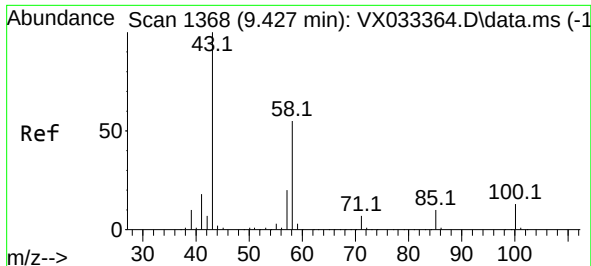
Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion: 43 Resp: 166511

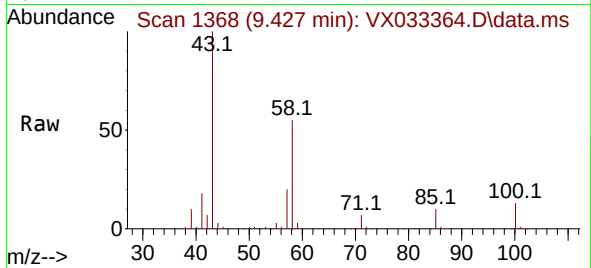
Ion	Ratio	Lower	Upper
43	100		
58	40.4	34.9	52.3
85	20.7	19.4	29.2





#59
2-Hexanone
Concen: 93.153 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

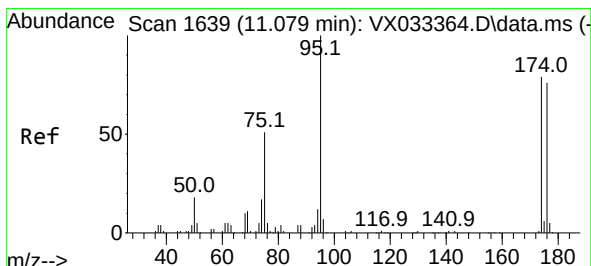
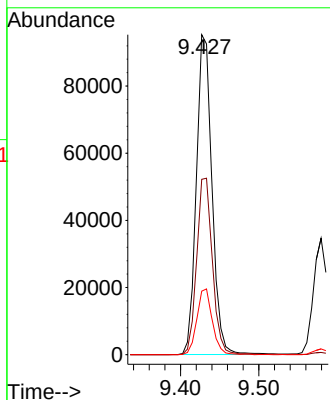
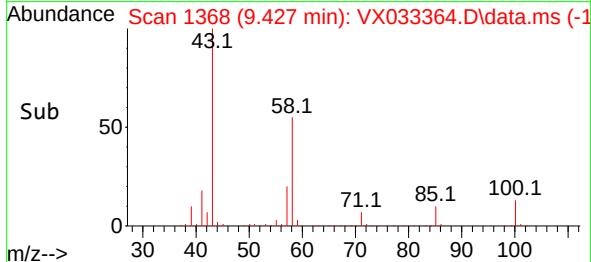
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 13224
Ion Ratio Lower Upper
43 100
58 55.5 49.0 73.6
57 20.2 17.0 25.4

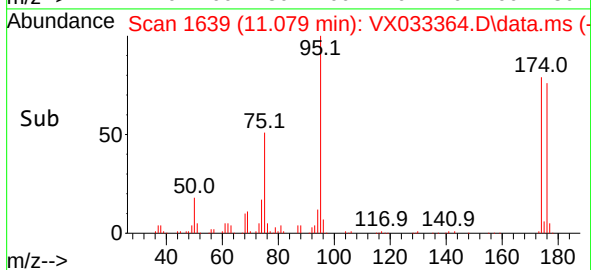
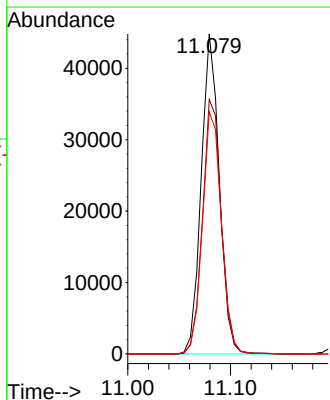
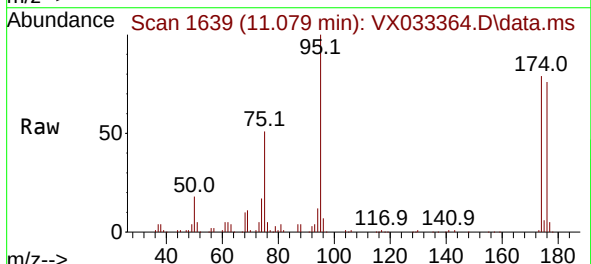
Manual Integrations
APPROVED

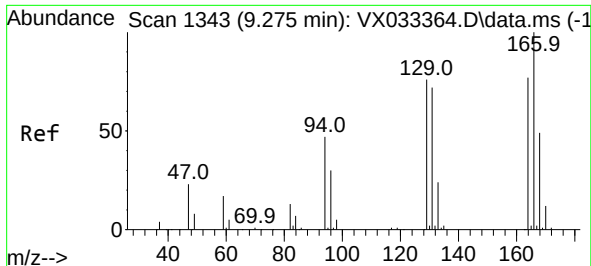
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#60
4-Bromofluorobenzene
Concen: 29.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

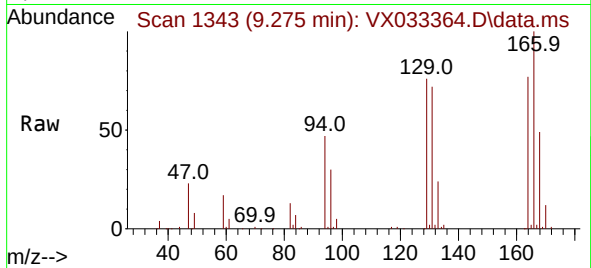
Tgt Ion: 95 Resp: 54910
Ion Ratio Lower Upper
95 100
174 82.4 68.2 102.2
176 79.1 68.1 102.1





#61
Tetrachloroethene
Concen: 19.735 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

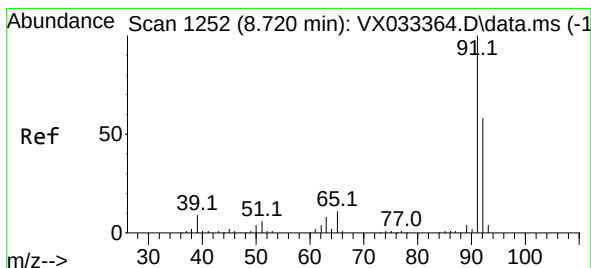
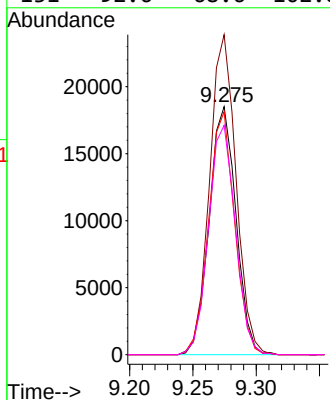
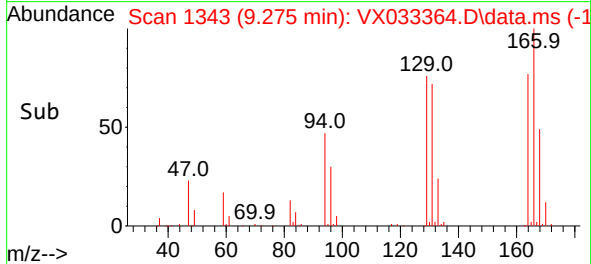
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



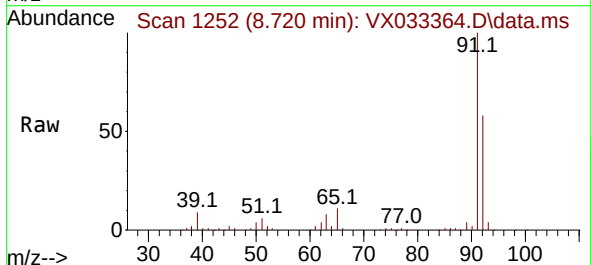
Tgt Ion:164 Resp: 2716
Ion Ratio Lower Upper
164 100
166 129.1 102.8 154.2
129 97.9 73.0 109.4
131 92.6 68.6 102.8

Manual Integrations
APPROVED

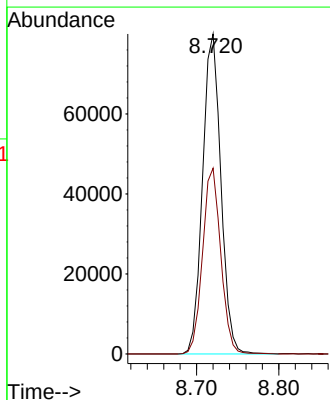
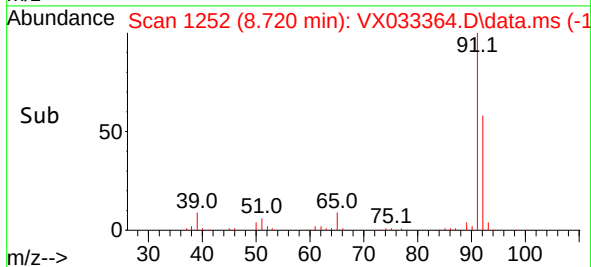
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

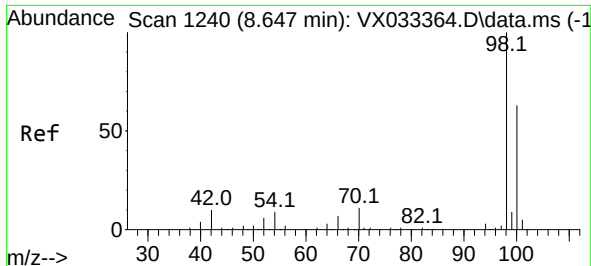


#62
Toluene
Concen: 19.325 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



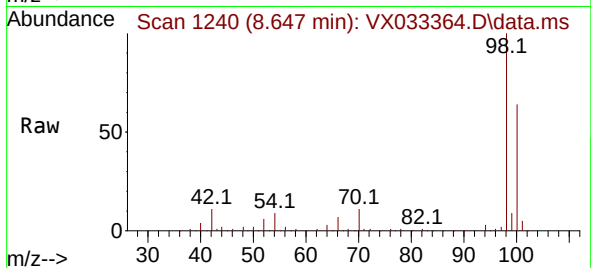
Tgt Ion: 91 Resp: 123791
Ion Ratio Lower Upper
91 100
92 57.7 47.3 70.9





#63
Toluene-d8
Concen: 29.862 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

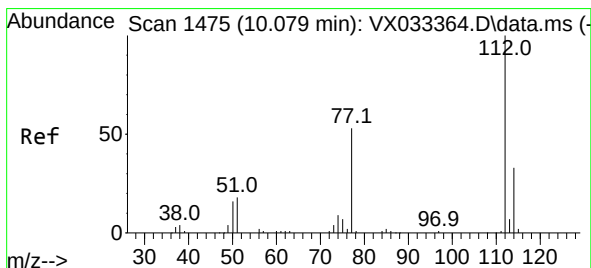
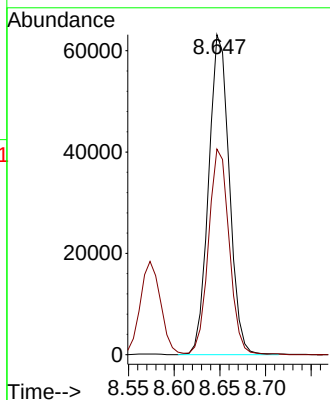
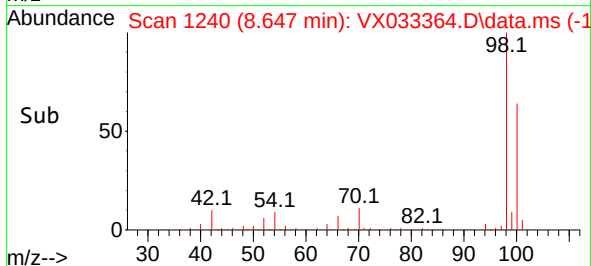
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



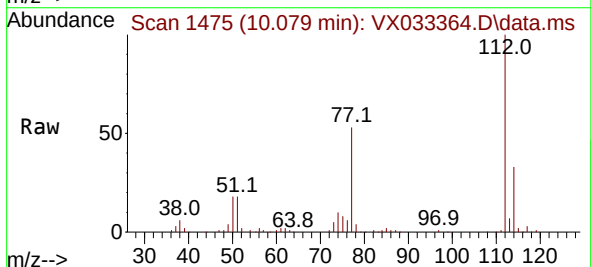
Tgt Ion: 98 Resp: 99264
Ion Ratio Lower Upper
98 100
100 64.3 53.8 80.8

Manual Integrations
APPROVED

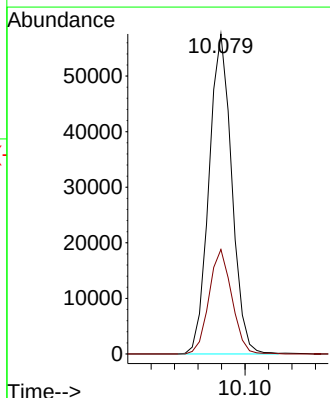
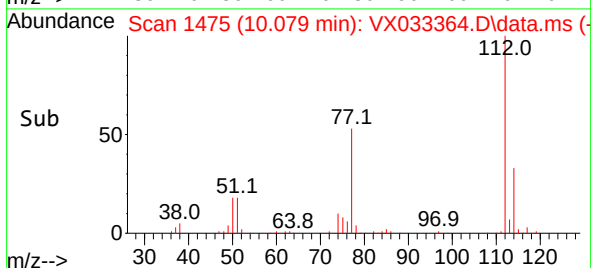
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

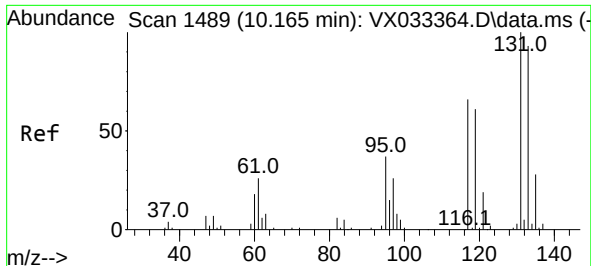


#64
Chlorobenzene
Concen: 19.525 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



Tgt Ion:112 Resp: 77325
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

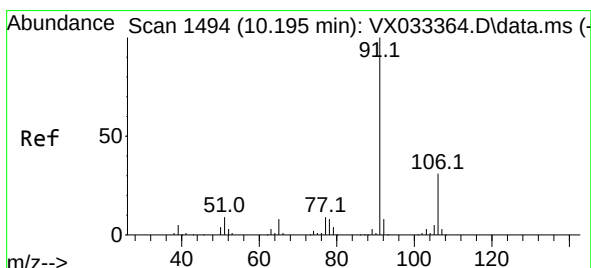
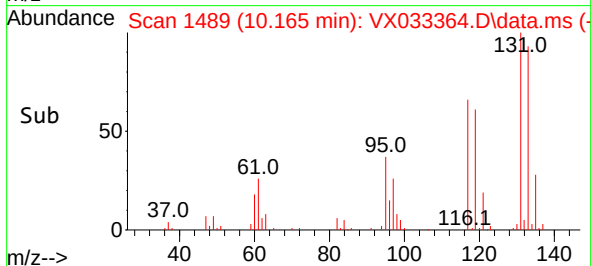
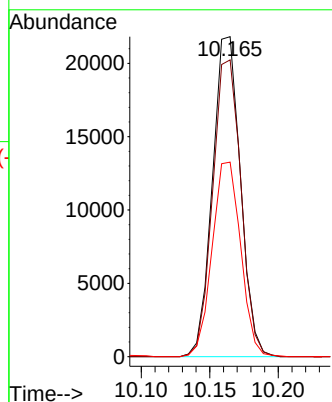
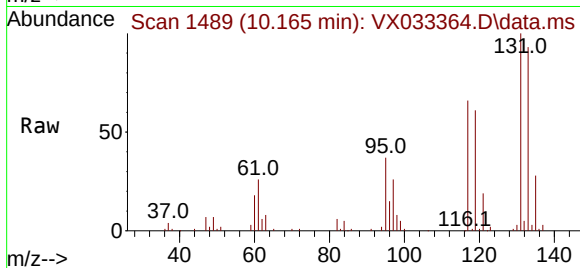
Tgt Ion:131	Resp:	3095
Ion Ratio	Lower	Upper
131	100	
133	93.8	0.0 189.4
119	62.1	0.0 127.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#66

Ethyl Benzene

Concen: 19.367 ug/l

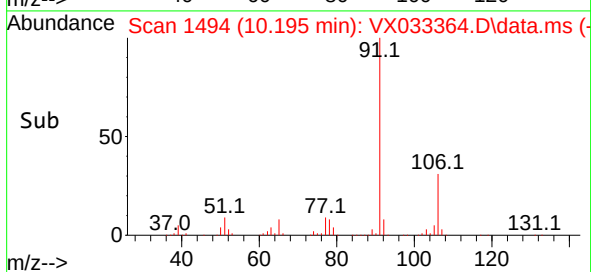
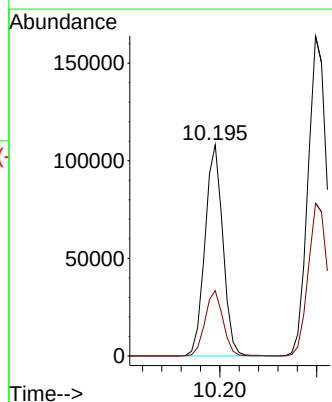
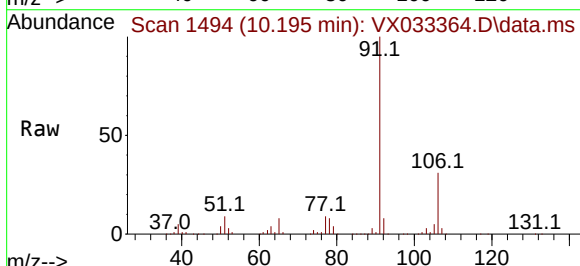
RT: 10.195 min Scan# 1494

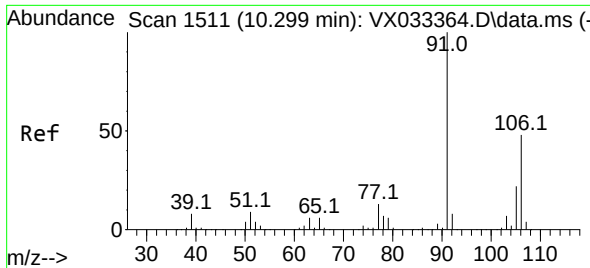
Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Tgt Ion: 91	Resp:	139175
Ion Ratio	Lower	Upper
91	100	
106	31.0	26.7 40.1





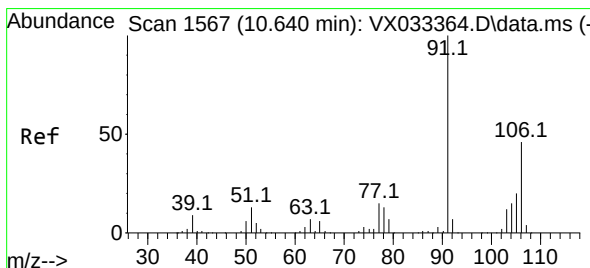
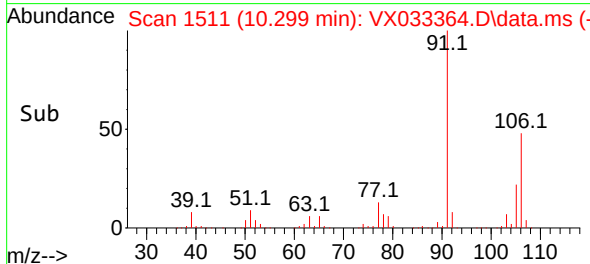
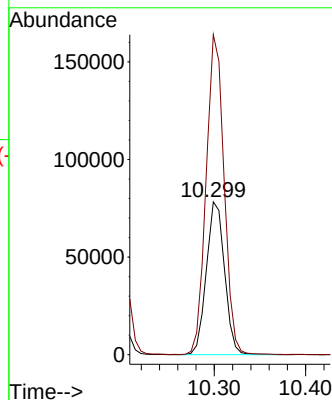
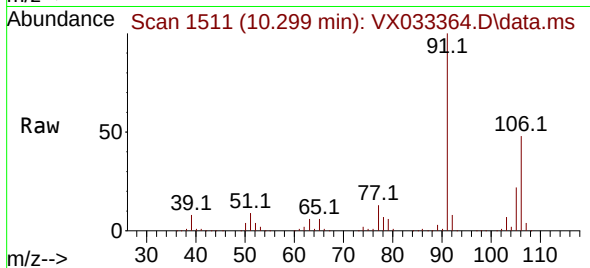
#67
m/p-Xylenes
Concen: 38.641 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 108049
Ion Ratio Lower Upper
106 100
91 206.8 152.3 228.5

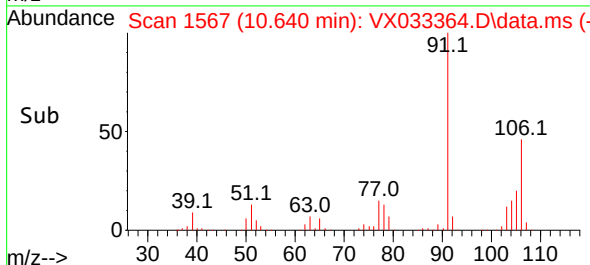
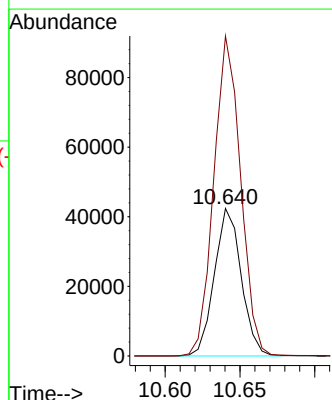
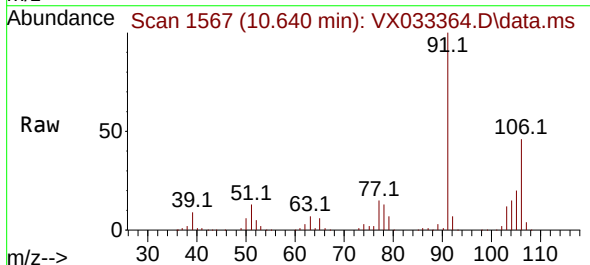
Manual Integrations
APPROVED

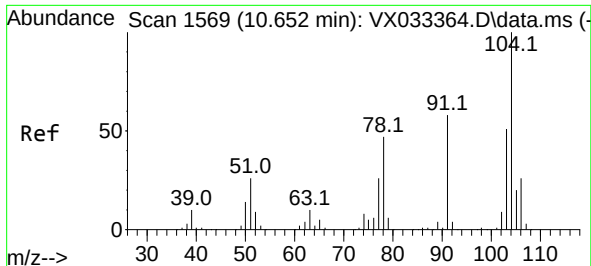
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#68
o-Xylene
Concen: 19.275 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion:106 Resp: 52883
Ion Ratio Lower Upper
106 100
91 216.0 101.9 305.7





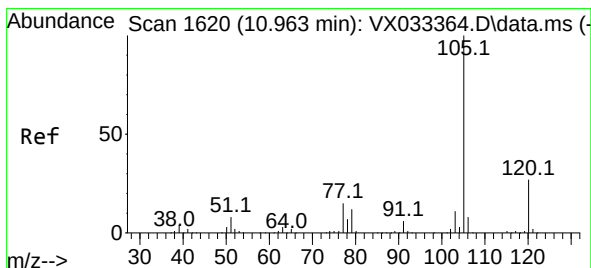
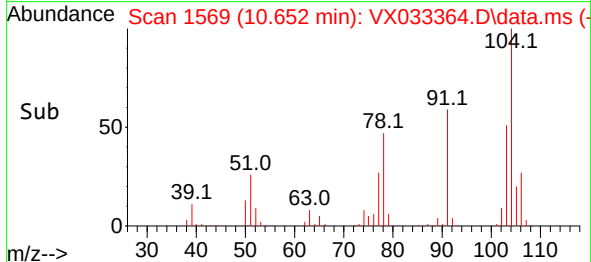
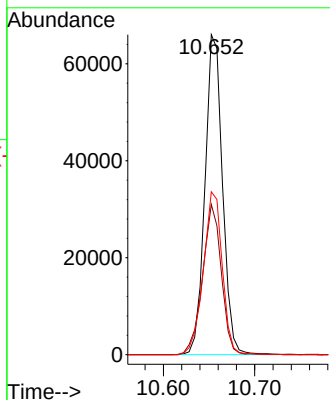
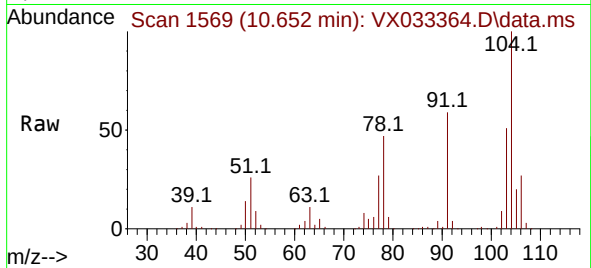
#69
Styrene
Concen: 19.275 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 87918
Ion Ratio Lower Upper
104 100
78 50.0 36.6 55.0
103 54.9 43.3 64.9

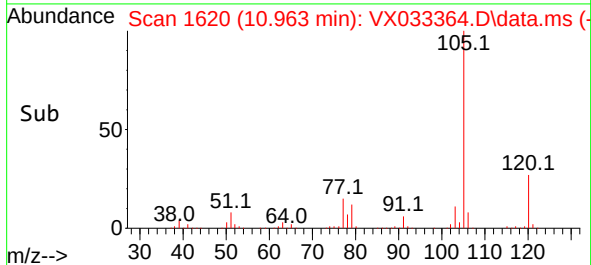
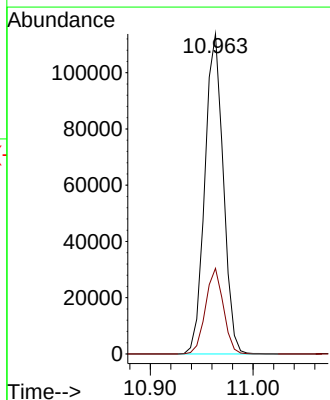
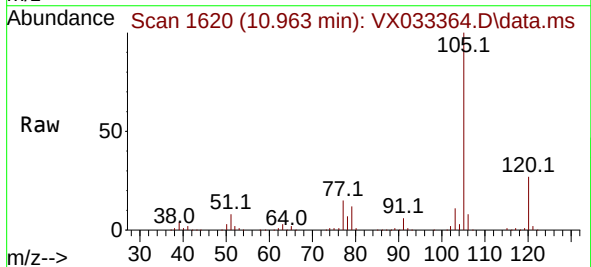
Manual Integrations
APPROVED

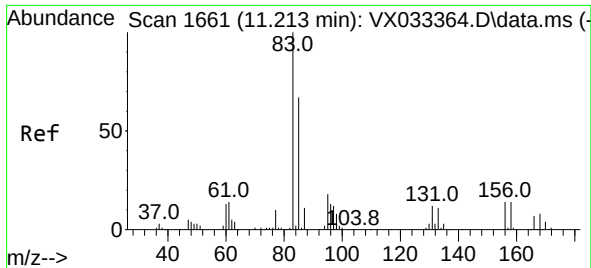
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#70
Isopropylbenzene
Concen: 19.329 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

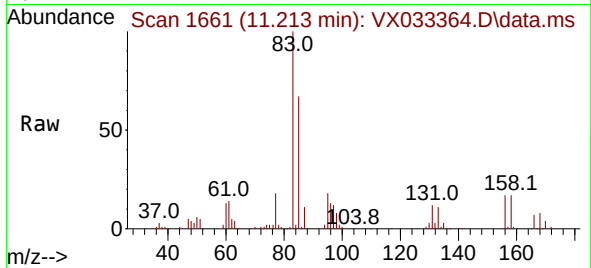
Tgt Ion:105 Resp: 141617
Ion Ratio Lower Upper
105 100
120 25.9 19.3 35.9





#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.718 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX033364.D
 Acq: 12 Dec 2022 10:58

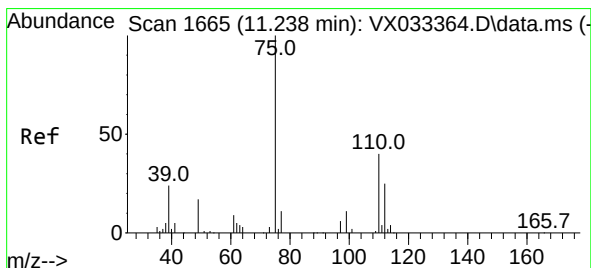
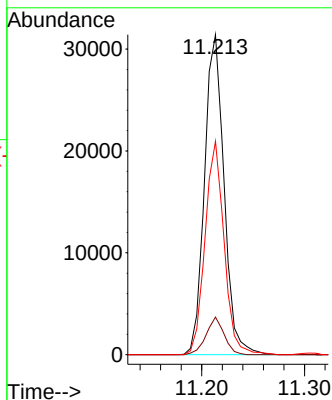
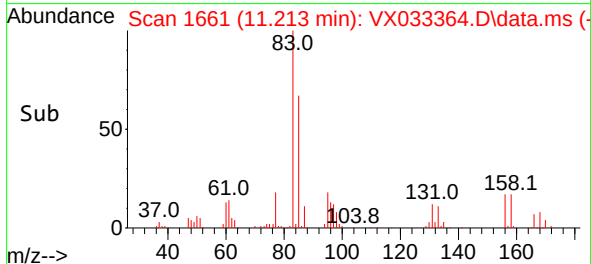
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



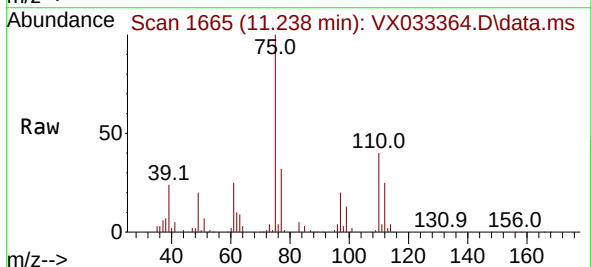
Tgt Ion: 83 Resp: 41589
 Ion Ratio Lower Upper
 83 100
 131 10.8 6.0 18.1
 85 65.1 32.8 98.3

Manual Integrations
 APPROVED

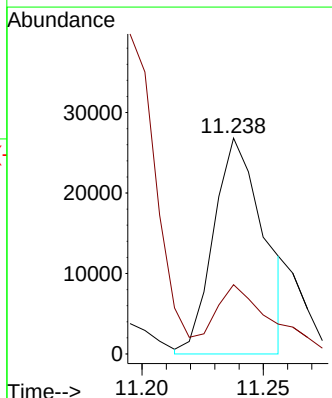
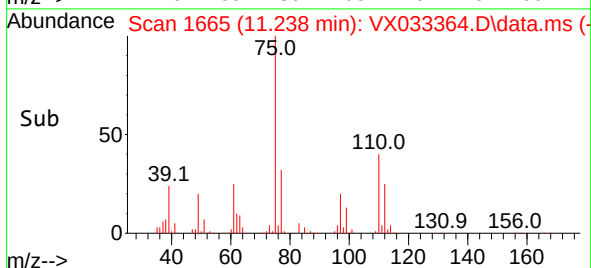
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

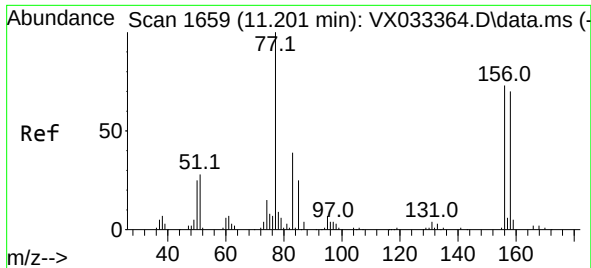


#72
 1,2,3-Trichloropropane
 Concen: 19.897 ug/l m
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX033364.D
 Acq: 12 Dec 2022 10:58



Tgt Ion: 75 Resp: 38395
 Ion Ratio Lower Upper
 75 100
 77 37.2 0.0 76.6





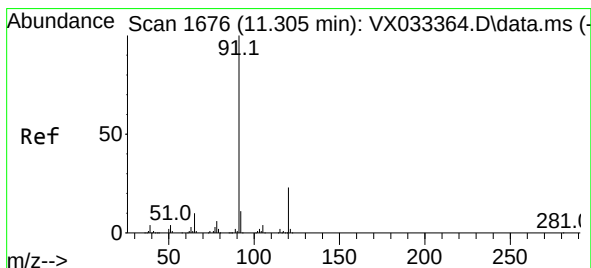
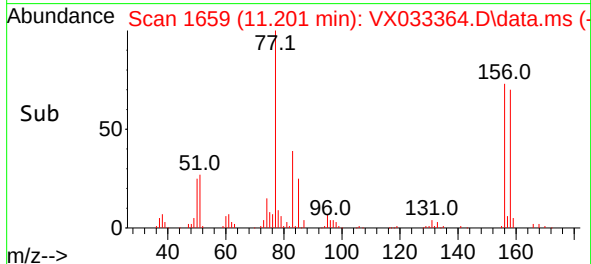
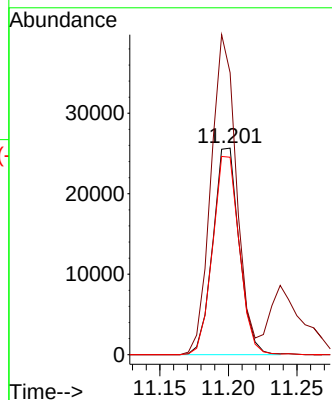
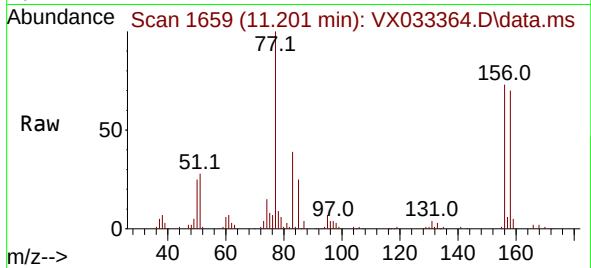
#73
Bromobenzene
Concen: 19.307 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 3436
Ion Ratio Lower Upper
156 100
77 149.3 0.0 259.2
158 96.6 0.0 193.2

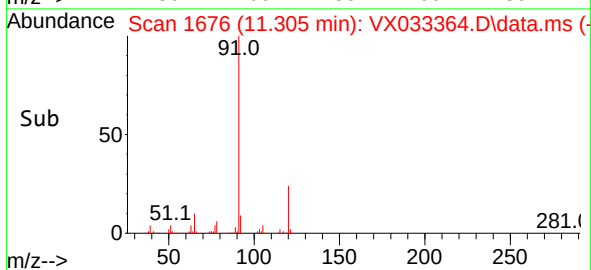
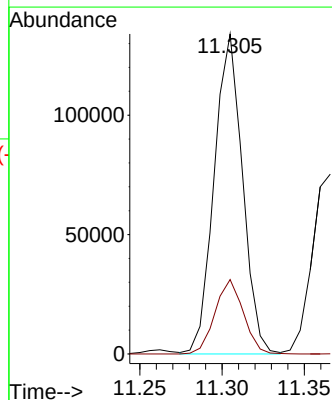
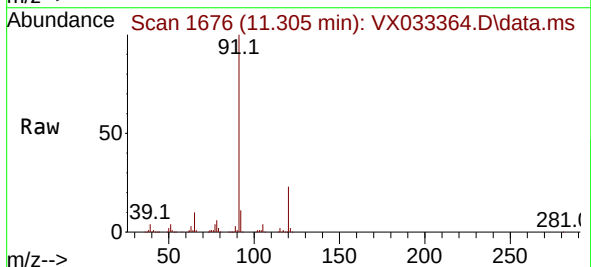
Manual Integrations
APPROVED

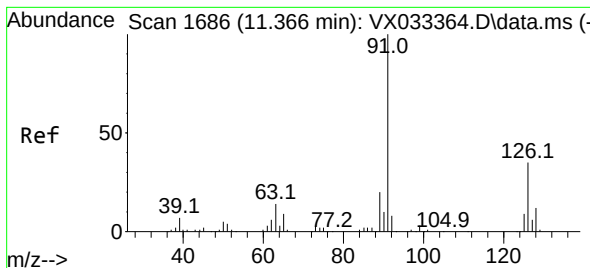
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#74
n-propylbenzene
Concen: 19.298 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion: 91 Resp: 160648
Ion Ratio Lower Upper
91 100
120 23.2 0.0 51.0





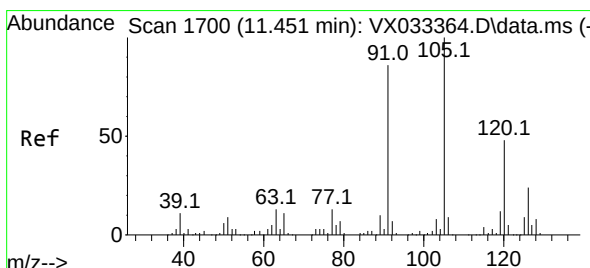
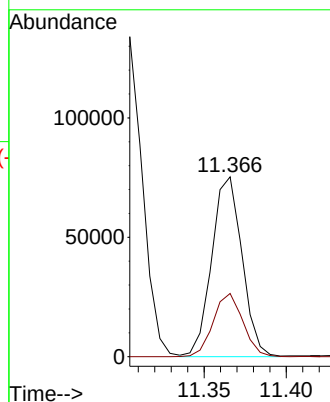
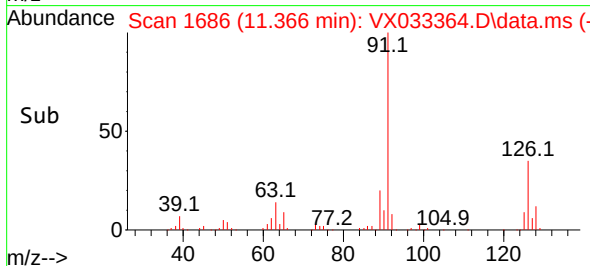
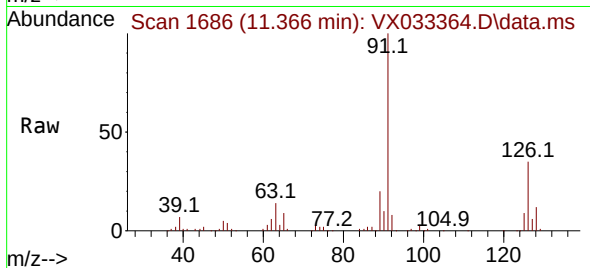
#75
2-Chlorotoluene
Concen: 19.182 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 96678
Ion Ratio Lower Upper
91 100
126 34.3 0.0 76.4

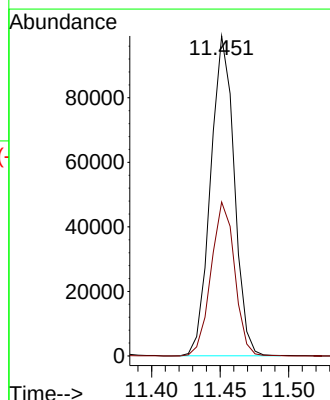
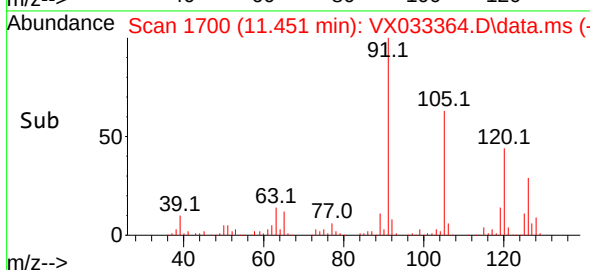
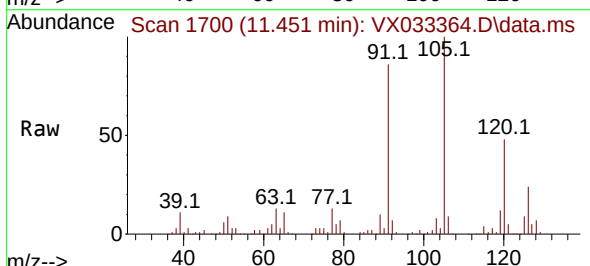
Manual Integrations
APPROVED

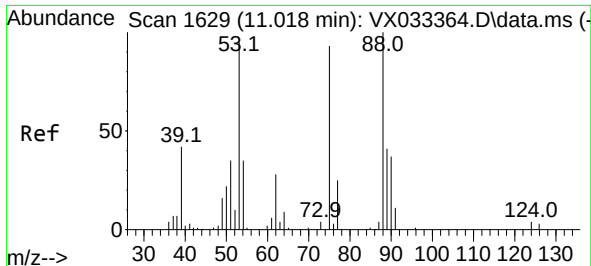
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#76
1,3,5-Trimethylbenzene
Concen: 19.178 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

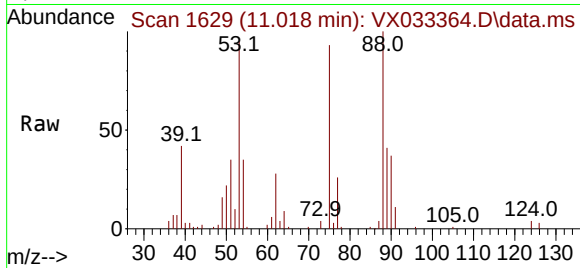
Tgt Ion:105 Resp: 118782
Ion Ratio Lower Upper
105 100
120 48.1 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 20.481 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

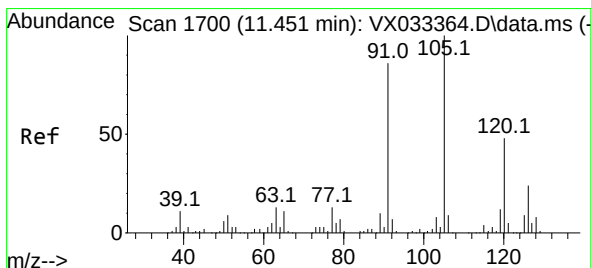
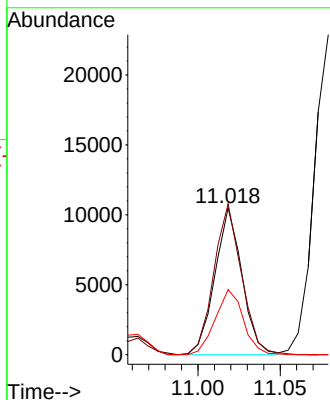
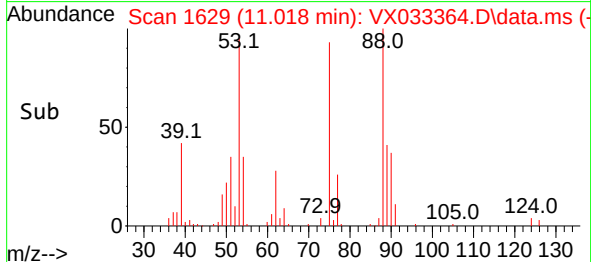
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 12060
Ion Ratio Lower Upper
75 100
53 102.9 51.8 155.4
89 44.4 22.9 68.8

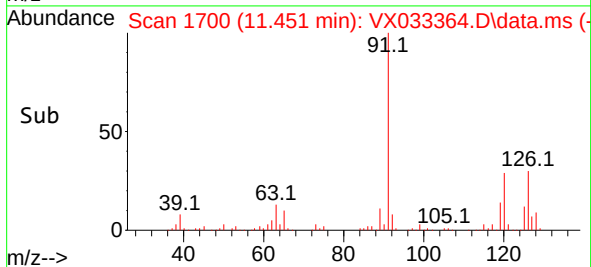
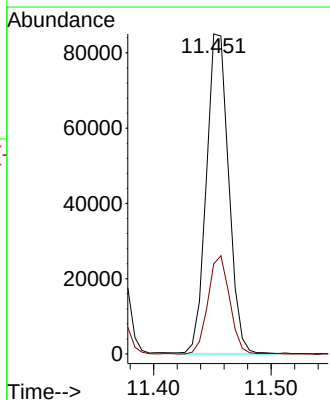
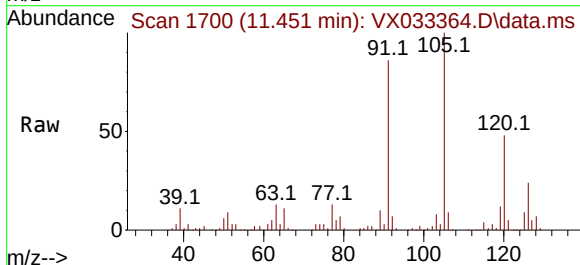
Manual Integrations
APPROVED

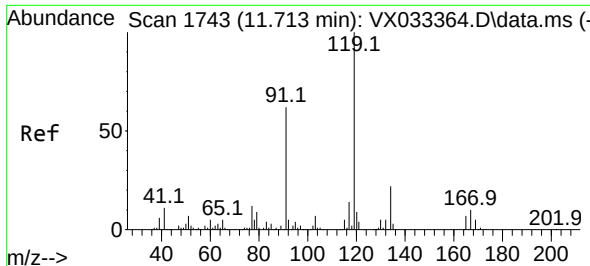
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#78
4-Chlorotoluene
Concen: 19.347 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

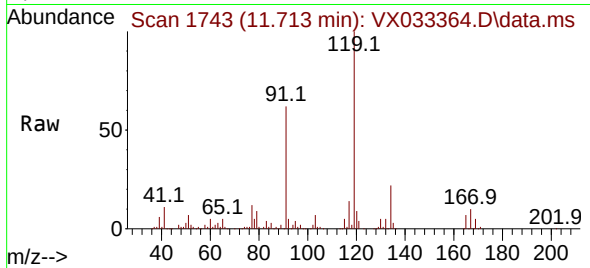
Tgt Ion: 91 Resp: 112324
Ion Ratio Lower Upper
91 100
126 29.7 0.0 67.0





#79
tert-butylbenzene
Concen: 19.620 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

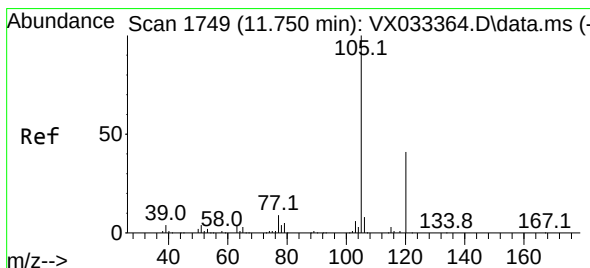
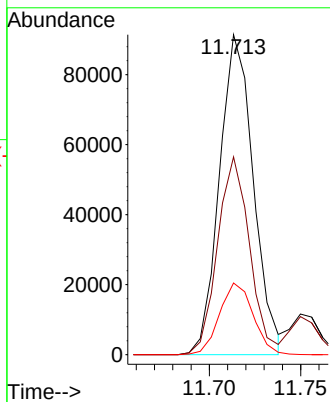
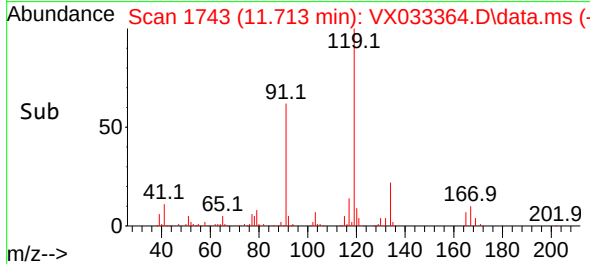
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



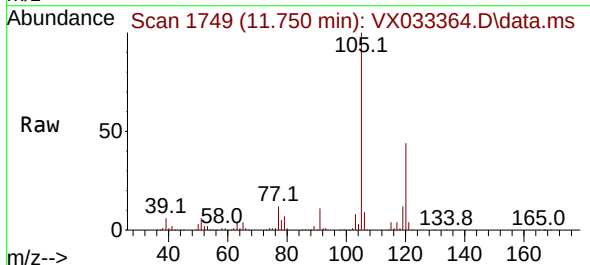
Tgt Ion:119 Resp: 118094
Ion Ratio Lower Upper
119 100
91 58.5 0.0 112.0
134 22.2 0.0 51.0

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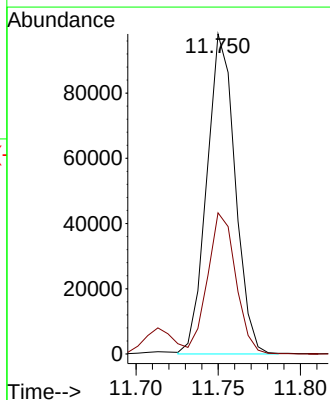
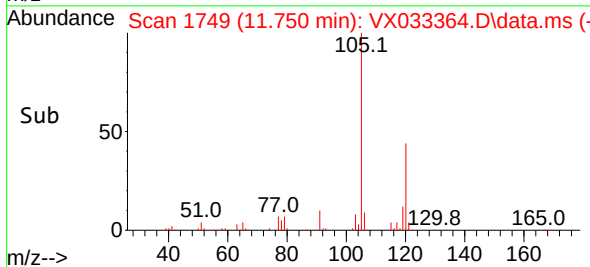
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

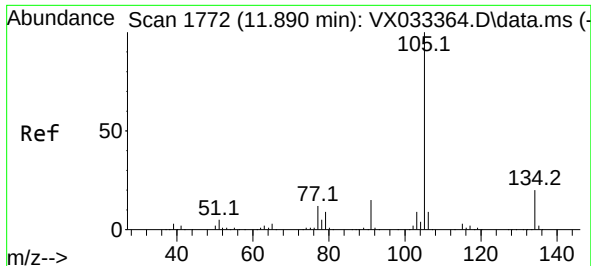


#80
1,2,4-Trimethylbenzene
Concen: 19.430 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



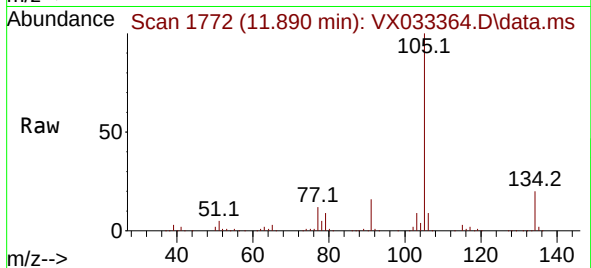
Tgt Ion:105 Resp: 117661
Ion Ratio Lower Upper
105 100
120 43.4 0.0 95.0





#81
 sec-Butylbenzene
 Concen: 19.459 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033364.D
 Acq: 12 Dec 2022 10:58

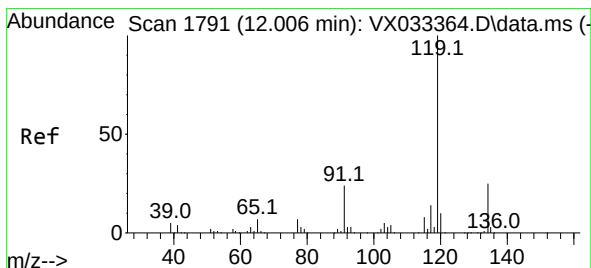
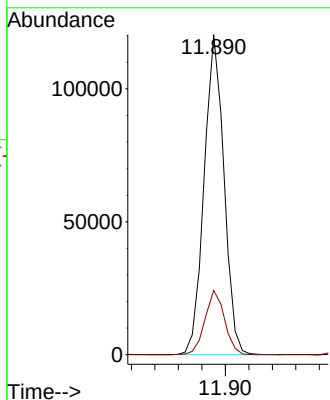
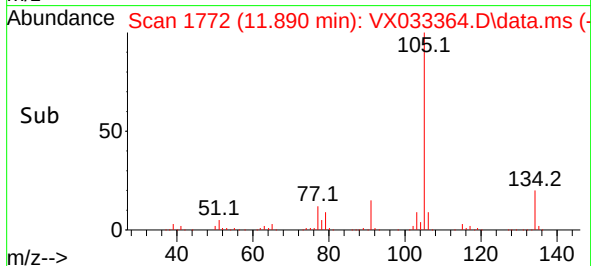
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



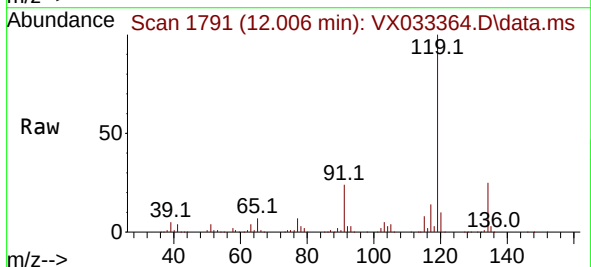
Tgt Ion:105 Resp: 141000
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 44.4

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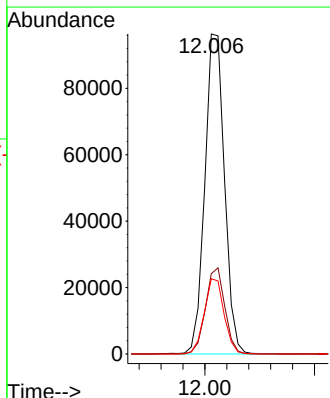
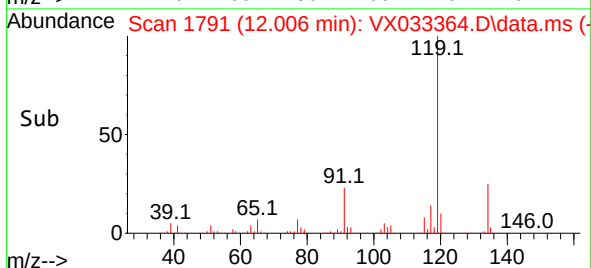
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

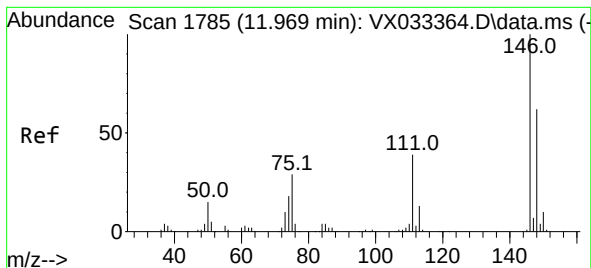


#82
 p-Isopropyltoluene
 Concen: 19.670 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VX033364.D
 Acq: 12 Dec 2022 10:58



Tgt Ion:119 Resp: 120125
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 55.4
 91 23.6 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 19.651 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:146 Resp: 6416

Ion Ratio Lower Upper

146 100

111 40.2 19.4 58.1

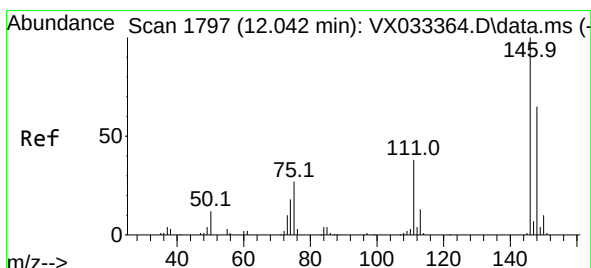
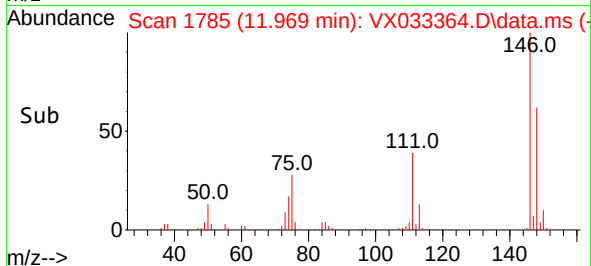
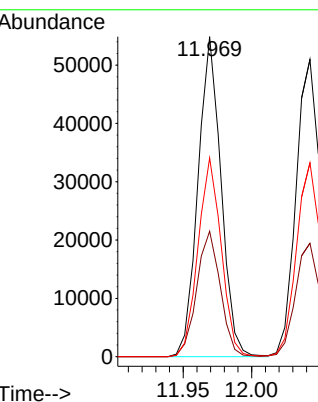
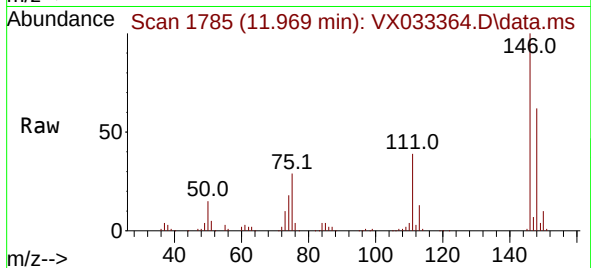
148 62.6 32.6 97.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#84

1,4-Dichlorobenzene

Concen: 19.467 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

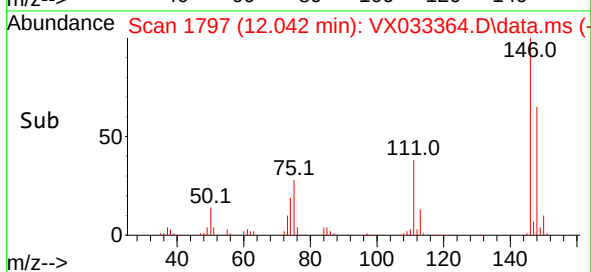
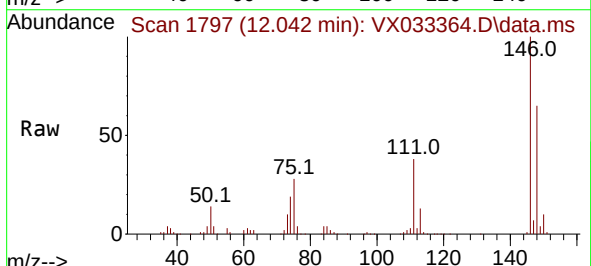
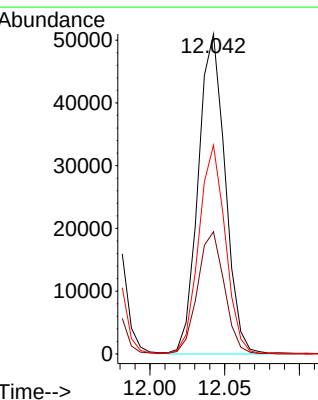
Tgt Ion:146 Resp: 63837

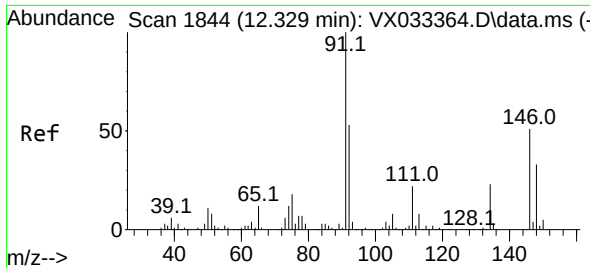
Ion Ratio Lower Upper

146 100

111 38.1 18.9 56.5

148 64.4 31.6 95.0





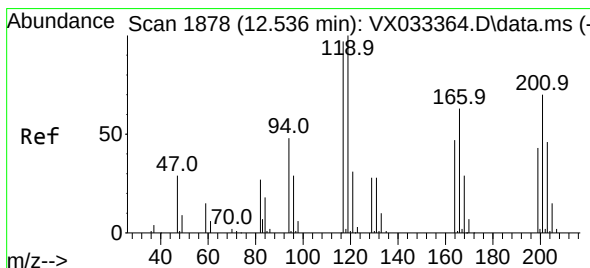
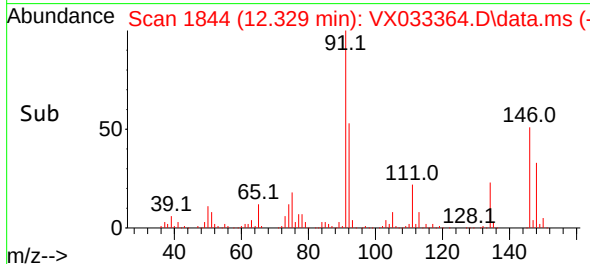
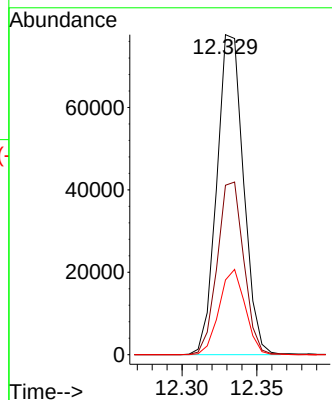
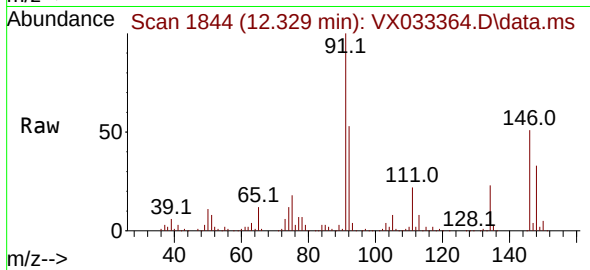
#85
n-Butylbenzene
Concen: 18.654 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 9655
Ion Ratio Lower Upper
91 100
92 53.4 0.0 108.4
134 25.9 0.0 60.6

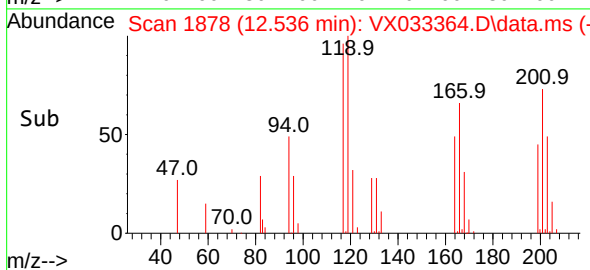
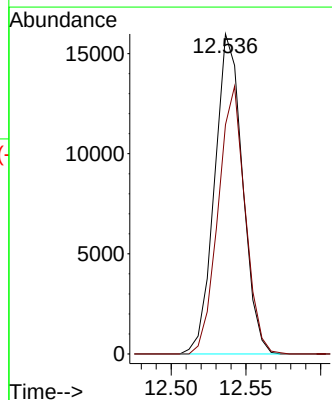
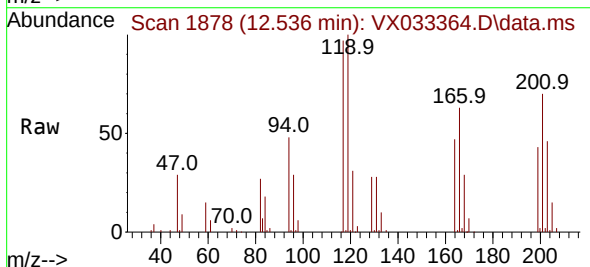
Manual Integrations
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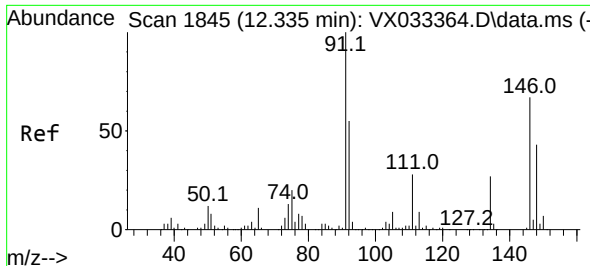
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#86
Hexachloroethane
Concen: 20.656 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

Tgt Ion:117 Resp: 20708
Ion Ratio Lower Upper
117 100
201 80.8 37.7 113.1





#87

1,2-Dichlorobenzene

Concen: 19.521 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

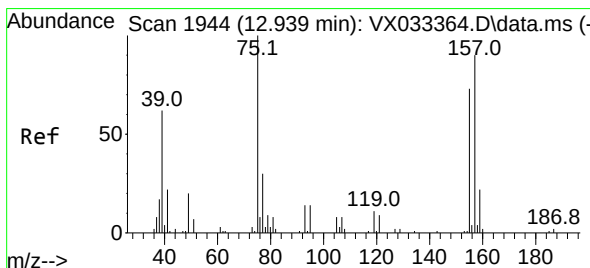
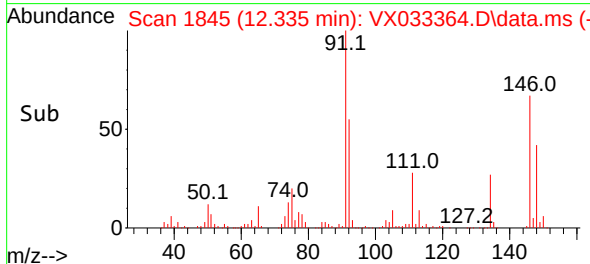
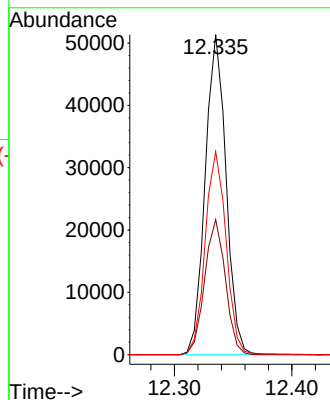
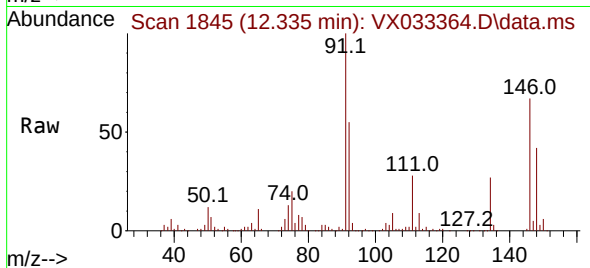
Tgt Ion:146 Resp: 63369
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 60.0
 148 63.7 33.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.377 ug/l

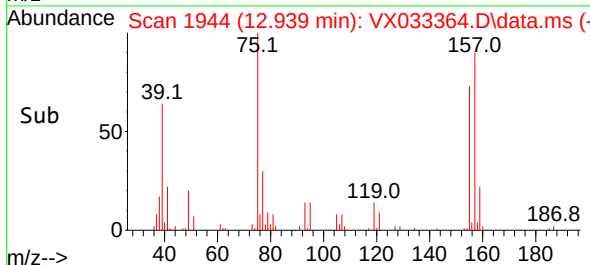
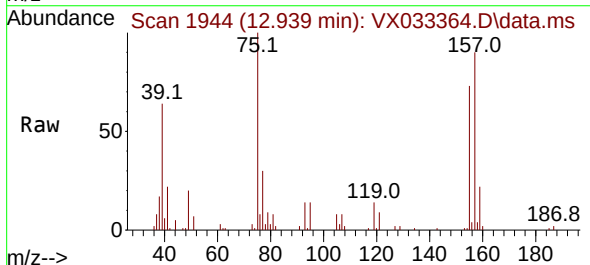
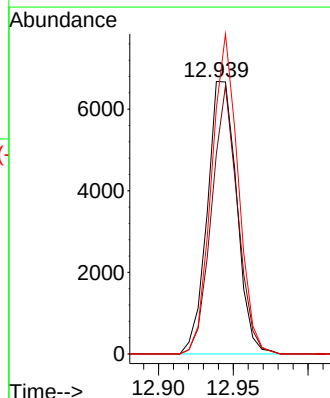
RT: 12.939 min Scan# 1944

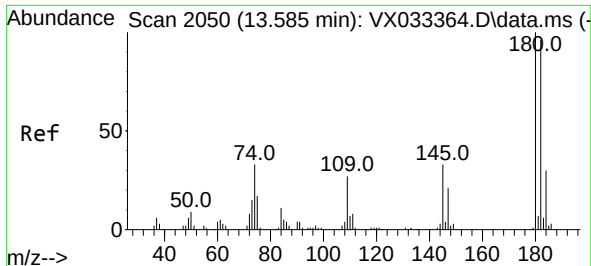
Delta R.T. -0.006 min

Lab File: VX033364.D

Acq: 12 Dec 2022 10:58

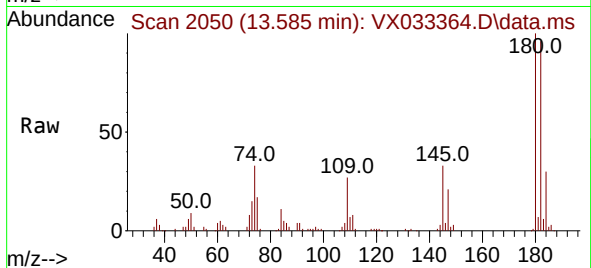
Tgt Ion: 75 Resp: 9134
 Ion Ratio Lower Upper
 75 100
 155 87.0 85.0 127.6
 157 106.0 101.0 151.6





#89
1,2,4-Trichlorobenzene
Concen: 18.646 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

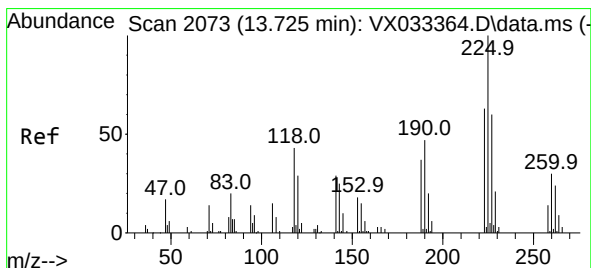
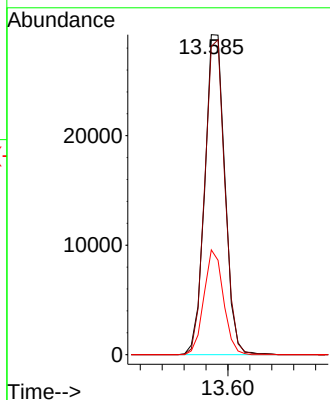
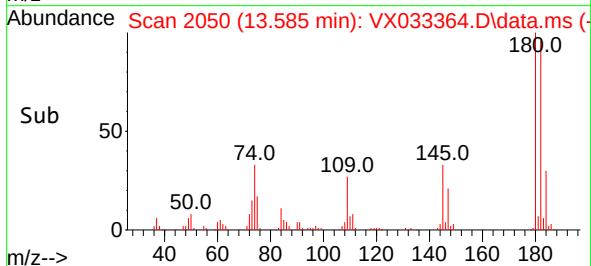
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



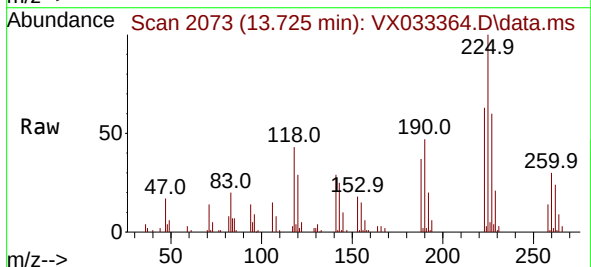
Tgt Ion:180 Resp: 37172
Ion Ratio Lower Upper
180 100
182 98.0 75.3 112.9
145 31.8 25.9 38.9

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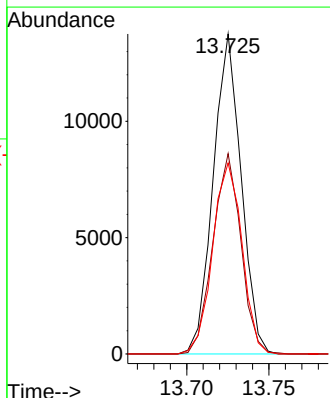
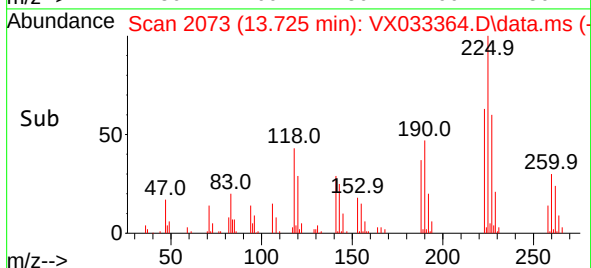
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

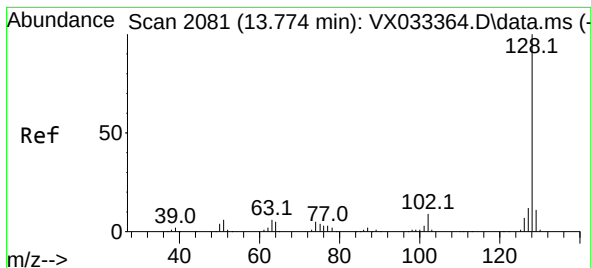


#90
Hexachlorobutadiene
Concen: 20.246 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



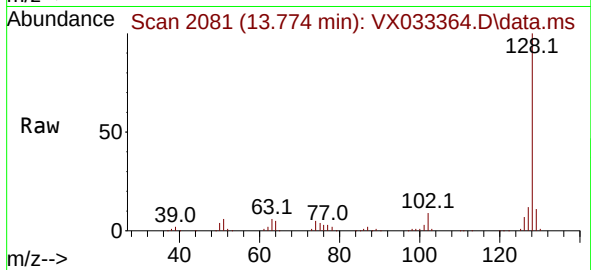
Tgt Ion:225 Resp: 16245
Ion Ratio Lower Upper
225 100
223 62.8 0.0 126.0
227 62.7 0.0 127.6





#91
Naphthalene
Concen: 18.314 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58

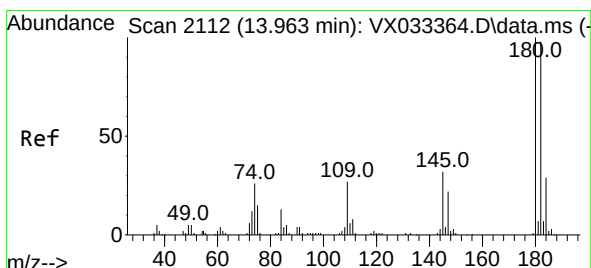
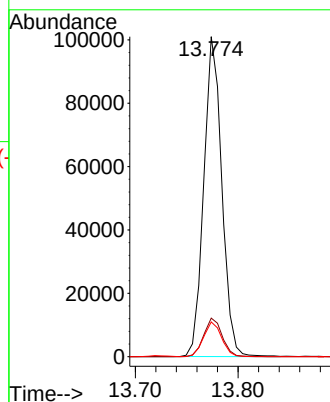
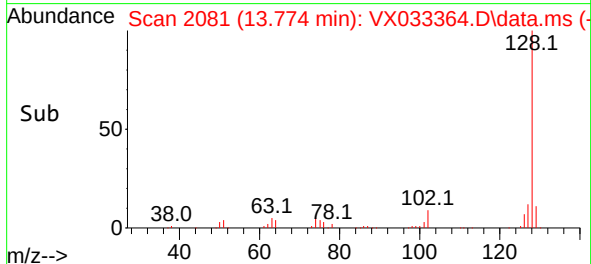
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



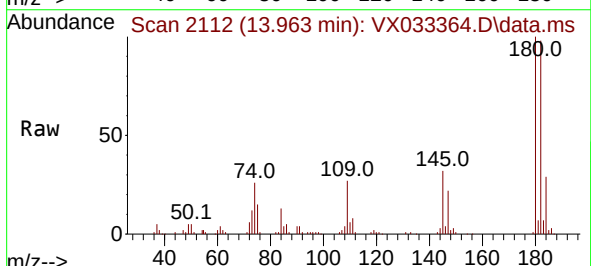
Tgt Ion:128 Resp: 12323
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.4 12.6

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



#92
1,2,3-Trichlorobenzene
Concen: 18.814 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033364.D
Acq: 12 Dec 2022 10:58



Tgt Ion:180 Resp: 37723
Ion Ratio Lower Upper
180 100
182 97.1 0.0 199.0
145 34.0 0.0 68.2

