

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033458.D
 Acq On : 16 Dec 2022 13:59
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 07:46:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	13420	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	90486	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	102169	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	36236	30.744	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.467%			
60) 4-Bromofluorobenzene	11.079	95	56223	29.712	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.033%			
63) Toluene-d8	8.647	98	100366	29.531	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	18690	19.069	ug/l	92
3) Chloromethane	1.295	50	20205	20.429	ug/l	93
4) Vinyl Chloride	1.374	62	22841	19.248	ug/l	96
5) Bromomethane	1.612	94	18321	21.113	ug/l	100
6) Chloroethane	1.691	64	11546	13.160	ug/l	97
7) Trichlorofluoromethane	1.892	101	32118	13.276	ug/l	98
8) Diethyl Ether	2.130	74	11904	15.756	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	17997	14.652	ug/l	96
10) 1,1-Dichloroethene	2.325	96	18060	15.616	ug/l	96
11) Methyl Iodide	2.453	142	28382	21.608	ug/l	97
12) Methyl Acetate	2.703	43	37088	22.741	ug/l	99
13) Acrolein	2.233	56	29519	114.412	ug/l	97
14) Acrylonitrile	3.063	53	64271	108.419	ug/l	98
15) Acetone	2.380	58	12436	61.031	ug/l	91
16) Carbon Disulfide	2.514	76	54664	17.545	ug/l	98
17) Allyl chloride	2.666	41	36122	19.029	ug/l	96
18) Methylene Chloride	2.788	84	27224	20.282	ug/l	99
19) trans-1,2-Dichloroethene	3.093	96	25973	19.278	ug/l	99
20) Diisopropyl ether	3.758	45	83157	20.817	ug/l	96
21) 1,1-Dichloroethane	3.611	63	47233	20.046	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	30901	19.758	ug/l	98
23) tert-Butyl Alcohol	2.971	59	20615	81.493	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	85079	20.331	ug/l	99
25) Chloroform	5.099	83	53778	20.057	ug/l	92
26) Cyclohexane	5.471	56	39018	18.933	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	35945	19.655	ug/l	99
30) 2-Butanone	4.556	43	87890	102.808	ug/l	99
31) 2,2-Dichloropropane	4.477	77	34859	18.137	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	46197	19.568	ug/l	99
33) Carbon Tetrachloride	5.678	117	40081	18.567	ug/l	96
34) Benzene	6.044	78	108908	20.780	ug/l	97
35) Methacrylonitrile	4.916	41	20425	23.313	ug/l	96
36) 1,2-Dichloroethane	6.086	62	43898	21.791	ug/l #	94
37) Trichloroethene	7.123	130	29974	20.142	ug/l	98
38) Methylcyclohexane	7.379	83	40779	18.923	ug/l	100
39) 1,2-Dichloropropane	7.428	63	27105	20.741	ug/l	100
40) Dibromomethane	7.580	93	21356	21.358	ug/l	99
41) Bromodichloromethane	7.824	83	40786	19.905	ug/l	99
42) Vinyl Acetate	3.721	43	317891	107.404	ug/l	100

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 VSTDCCC020EC

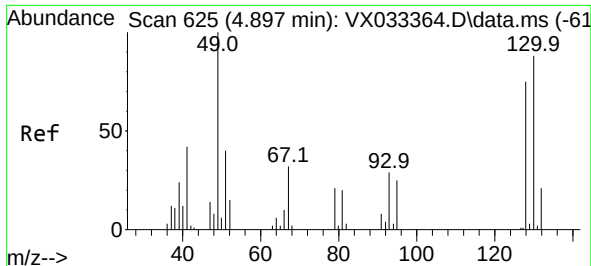
Manual Integrations
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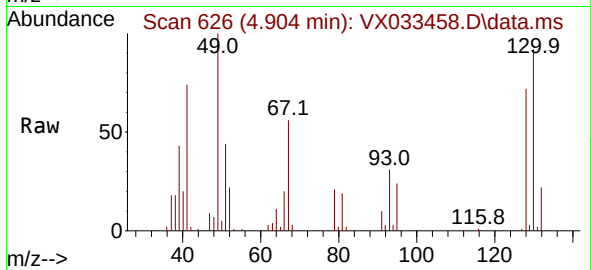
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	35583	23.149	ug/l	98
44) Isopropyl Acetate	6.336	43	56465	21.639	ug/l	98
45) 1,4-Dioxane	7.671	88	10755	351.894	ug/l #	91
46) Methyl methacrylate	7.690	41	28665	22.053	ug/l	97
47) n-amyl Acetate	10.842	43	48583	22.186	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	39019	18.985	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	42991	19.489	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	30776	22.257	ug/l	98
51) Ethyl methacrylate	9.116	69	42209	21.364	ug/l	96
52) 1,3-Dichloropropane	9.305	76	48724	21.579	ug/l	98
53) Dibromochloromethane	9.519	129	32166	19.357	ug/l	99
54) 1,2-Dibromoethane	9.610	107	32629	21.557	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	104198	112.328	ug/l	99
56) Bromoform	10.799	173	22410	18.683	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	184051	111.400	ug/l	99
59) 2-Hexanone	9.427	43	136412	107.974	ug/l	100
61) Tetrachloroethene	9.275	164	26576	19.425	ug/l	98
62) Toluene	8.720	91	122981	19.831	ug/l	99
64) Chlorobenzene	10.080	112	79018	20.142	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	29891	19.294	ug/l	99
66) Ethyl Benzene	10.195	91	137720	19.708	ug/l	99
67) m/p-Xylenes	10.299	106	108923	39.877	ug/l	96
68) o-Xylene	10.640	106	53477	20.094	ug/l	99
69) Styrene	10.653	104	87401	19.768	ug/l	99
70) Isopropylbenzene	10.964	105	137674	19.494	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	44917	21.505	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	40326m	21.681	ug/l	
73) Bromobenzene	11.201	156	35297	20.200	ug/l	99
74) n-propylbenzene	11.305	91	156689	19.361	ug/l	99
75) 2-Chlorotoluene	11.366	91	95304	19.591	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	116578	19.635	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	11105	17.956	ug/l	96
78) 4-Chlorotoluene	11.457	91	109352	19.616	ug/l	98
79) tert-butylbenzene	11.713	119	112333	19.086	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	117772	20.180	ug/l	99
81) sec-Butylbenzene	11.890	105	136073	19.236	ug/l	99
82) p-Isopropyltoluene	12.012	119	114033	18.903	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	64139	19.943	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	64338	19.875	ug/l	99
85) n-Butylbenzene	12.335	91	93333	18.535	ug/l	99
86) Hexachloroethane	12.536	117	17524	16.366	ug/l	93
87) 1,2-Dichlorobenzene	12.335	146	64451	20.337	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8877	19.507	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	38201	19.514	ug/l	98
90) Hexachlorobutadiene	13.725	225	15986	19.245	ug/l	99
91) Naphthalene	13.774	128	134246	21.189	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	38896	19.840	ug/l	97

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033458.D
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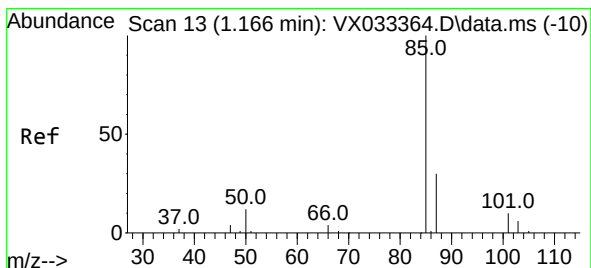
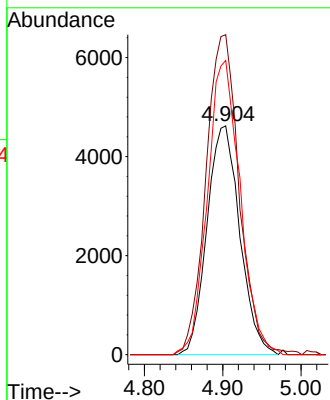
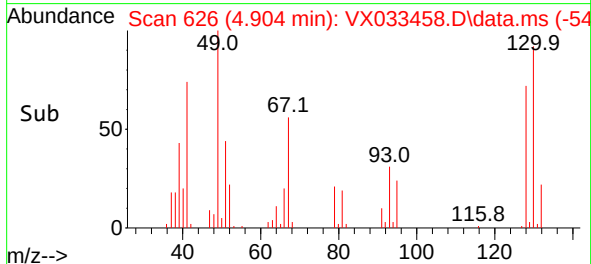
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 13420
Ion Ratio Lower Upper
128 100
49 142.0 0.0 339.5
130 128.4 0.0 318.0

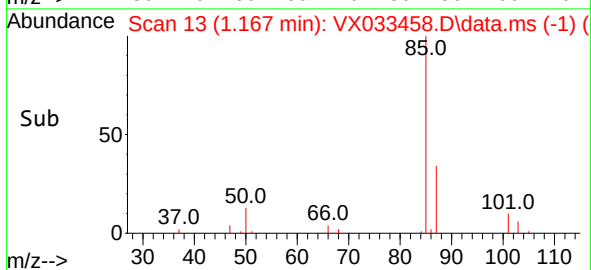
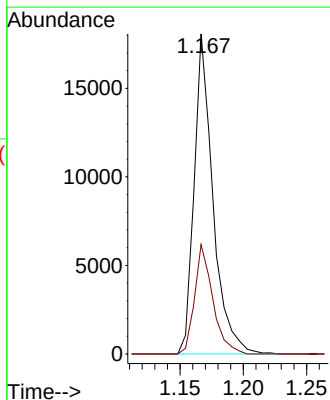
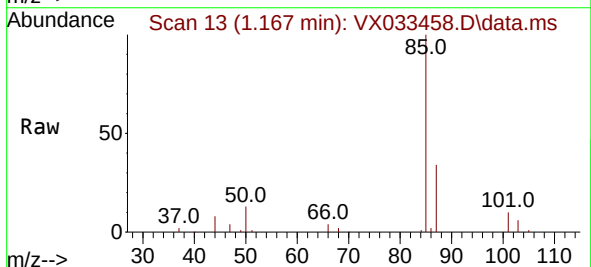
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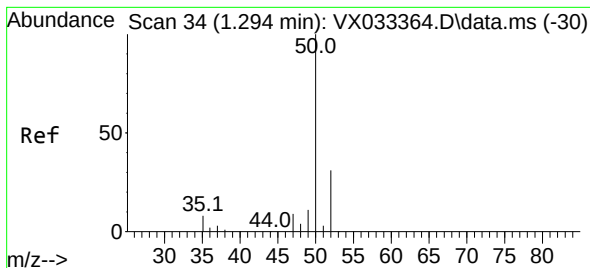
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#2
Dichlorodifluoromethane
Concen: 19.069 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 85 Resp: 18690
Ion Ratio Lower Upper
85 100
87 34.2 14.9 44.7





#3

Chloromethane

Concen: 20.429 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 2020

Ion Ratio Lower Upper

50 100

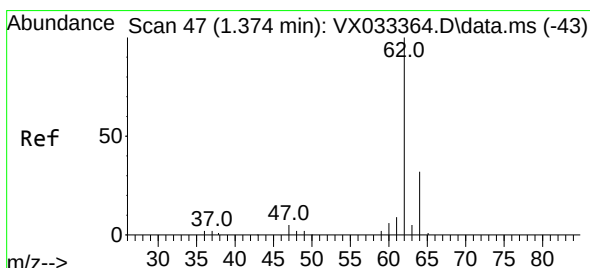
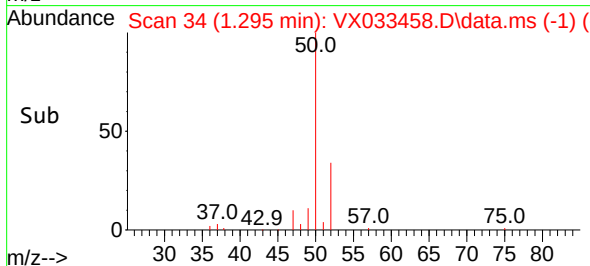
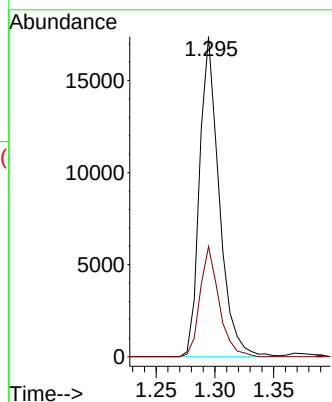
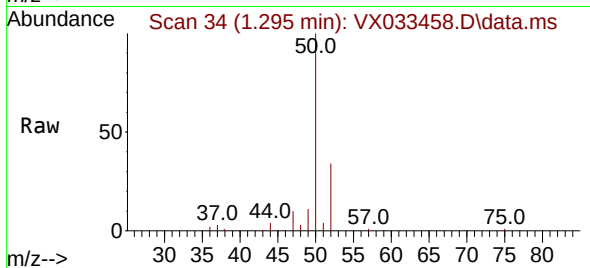
52 34.5 24.6 36.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/19/2022



#4

Vinyl Chloride

Concen: 19.248 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX033458.D

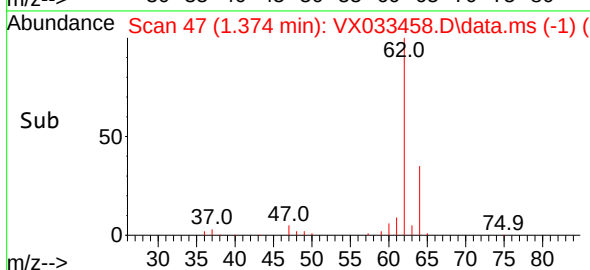
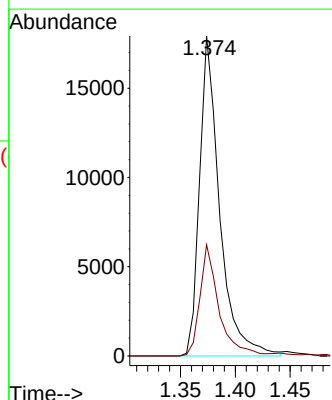
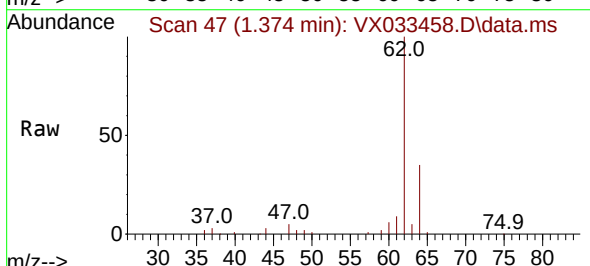
Acq: 16 Dec 2022 13:59

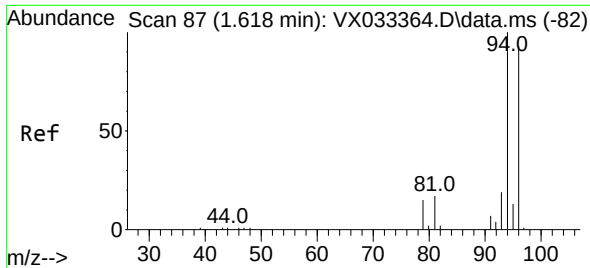
Tgt Ion: 62 Resp: 22841

Ion Ratio Lower Upper

62 100

64 34.8 25.9 38.9





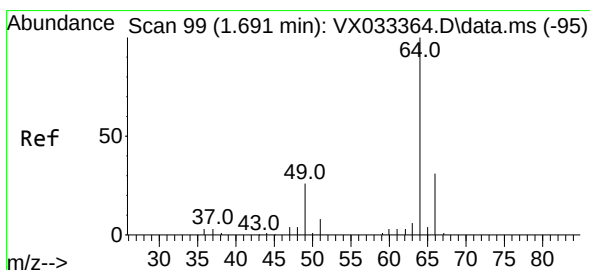
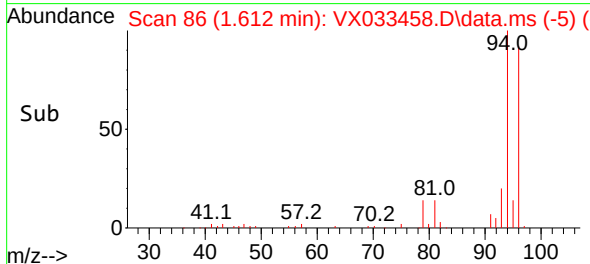
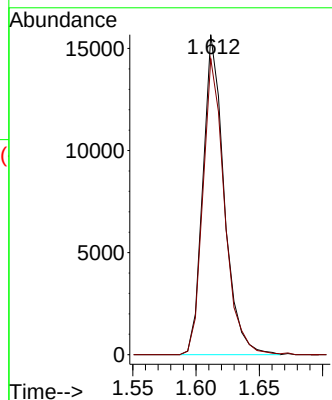
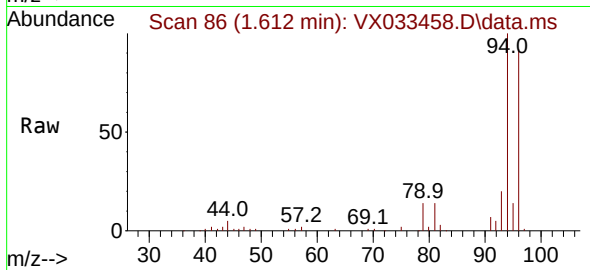
#5
Bromomethane
Concen: 21.113 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033458.D
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Instrument :
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ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 1832
Ion Ratio Lower Upper
94 100
96 92.5 74.2 111.2

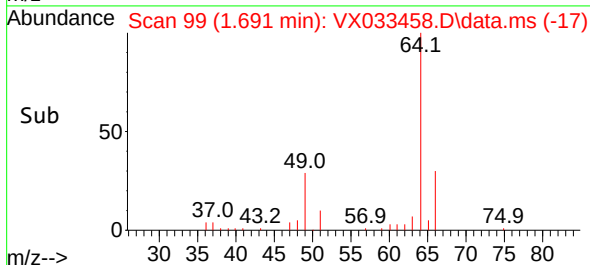
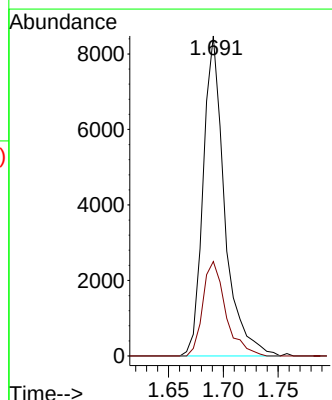
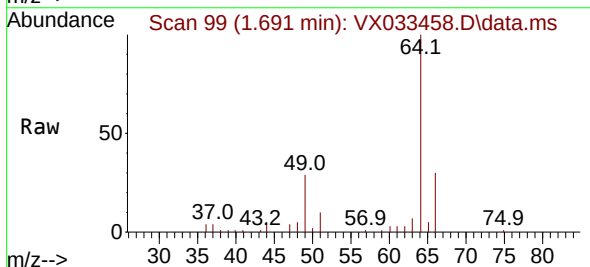
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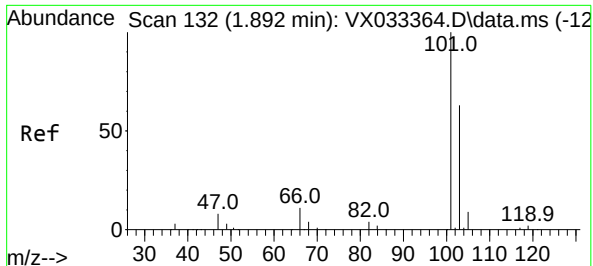
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#6
Chloroethane
Concen: 13.160 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

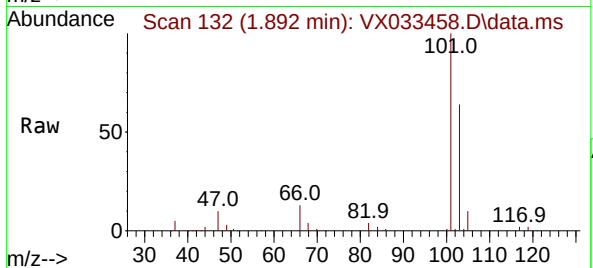
Tgt Ion: 64 Resp: 11546
Ion Ratio Lower Upper
64 100
66 29.5 24.8 37.2





#7
Trichlorofluoromethane
Concen: 13.276 ug/l
RT: 1.892 min Scan# 111
Delta R.T. 0.000 min
Lab File: VX033458.D
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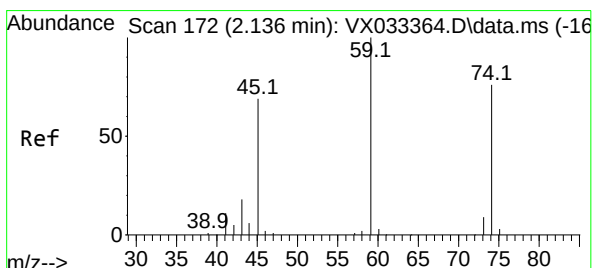
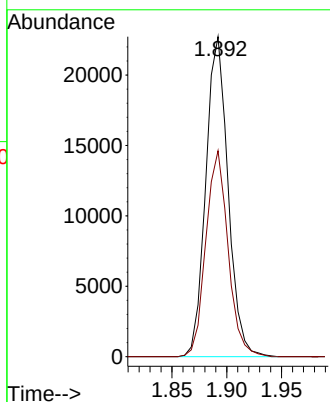
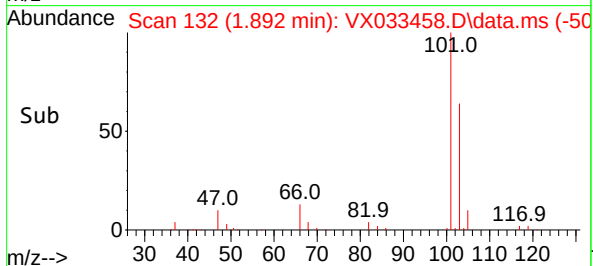
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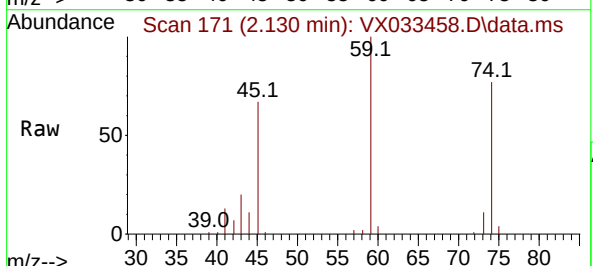
Tgt Ion:101 Resp: 32118
Ion Ratio Lower Upper
101 100
103 64.4 50.3 75.5

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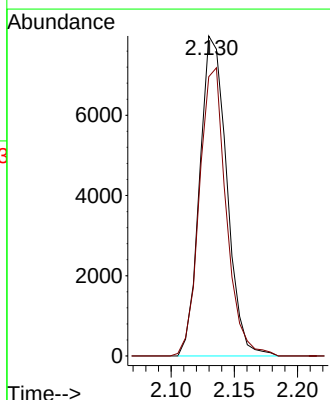
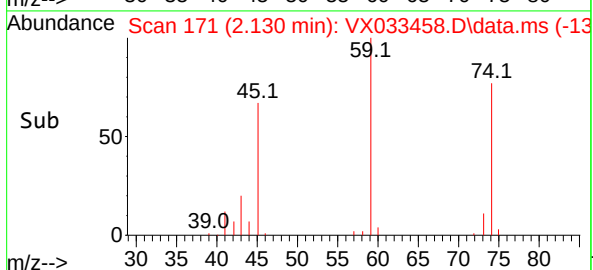
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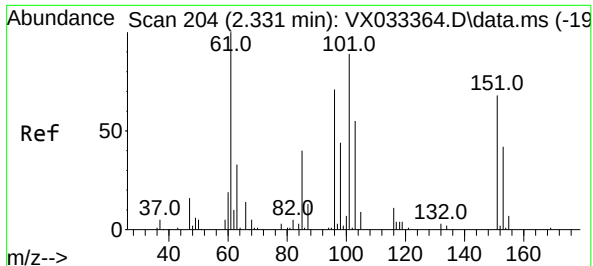


#8
Diethyl Ether
Concen: 15.756 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 74 Resp: 11904
Ion Ratio Lower Upper
74 100
45 89.1 18.0 161.8





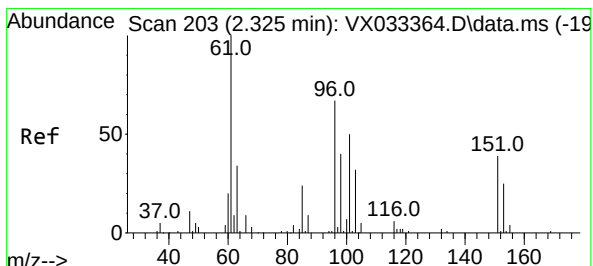
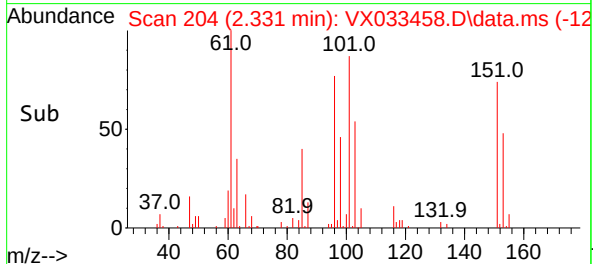
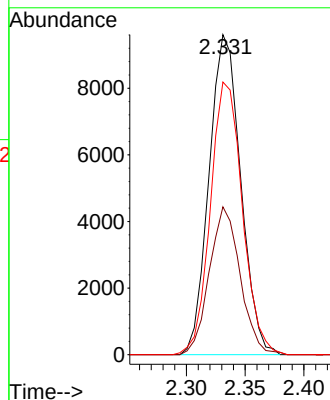
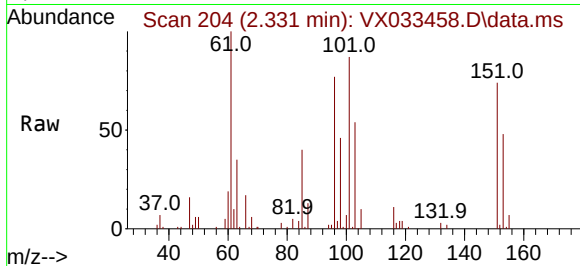
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1,1,2-Trichlorotrifluoroethane
Concen: 14.652 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 1799
Ion Ratio Lower Upper
101 100
85 44.9 0.0 88.8
151 86.1 0.0 162.2

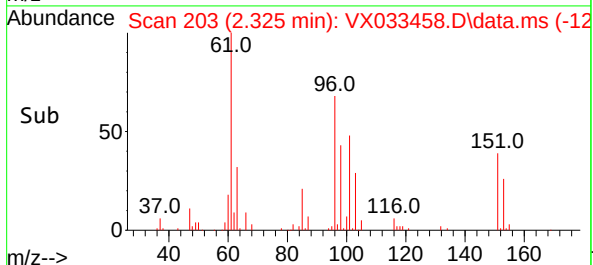
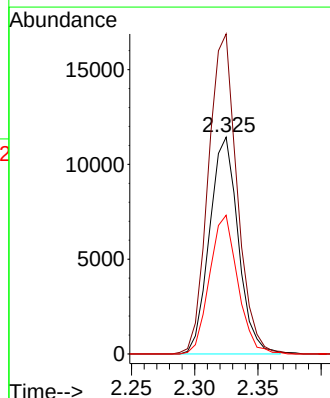
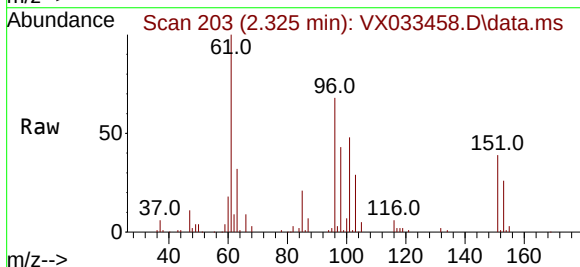
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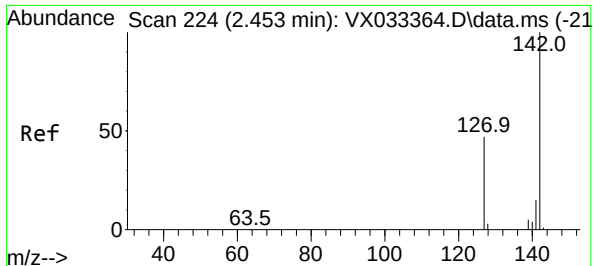
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#10
1,1-Dichloroethene
Concen: 15.616 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

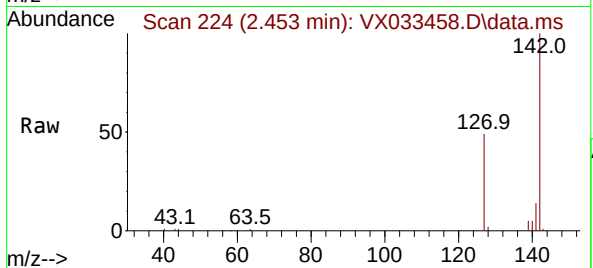
Tgt Ion: 96 Resp: 18060
Ion Ratio Lower Upper
96 100
61 146.9 120.5 180.7
98 64.0 47.8 71.6





#11
Methyl Iodide
Concen: 21.608 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

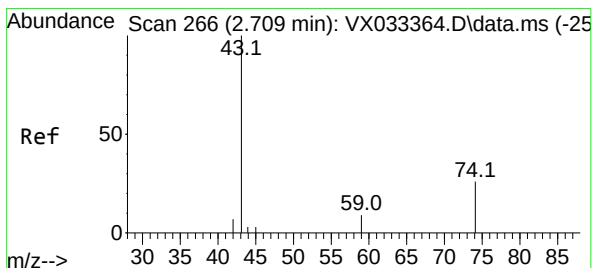
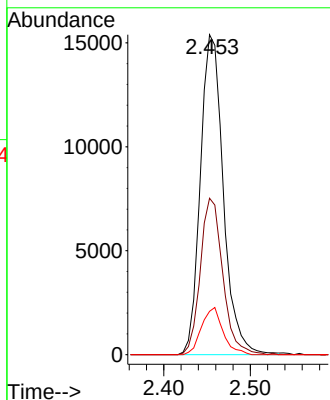
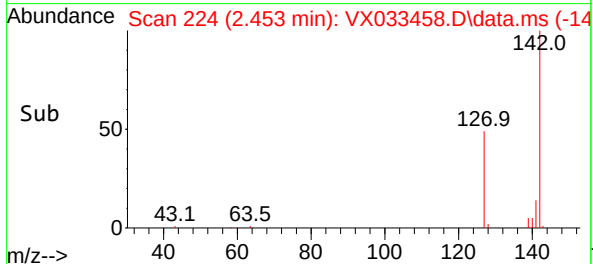
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 2838
Ion Ratio Lower Upper
142 100
127 49.0 23.4 70.3
141 13.6 7.8 23.3

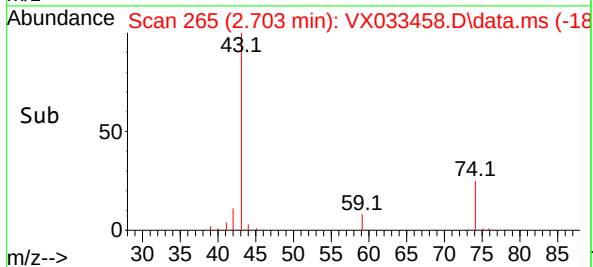
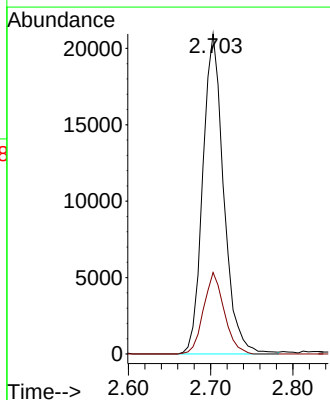
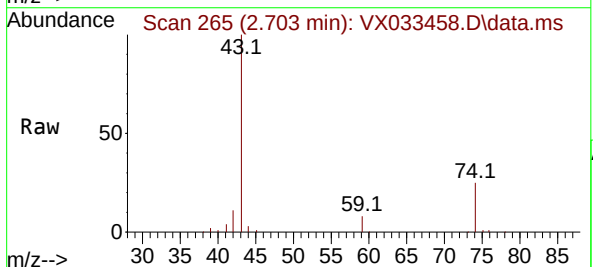
Manual Integrations
APPROVED

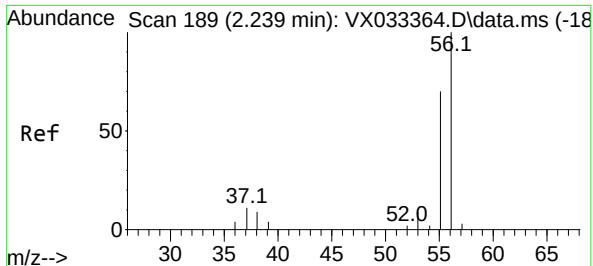
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#12
Methyl Acetate
Concen: 22.741 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 43 Resp: 37088
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0





#13

Acrolein

Concen: 114.412 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 29519

Ion Ratio Lower Upper

56 100

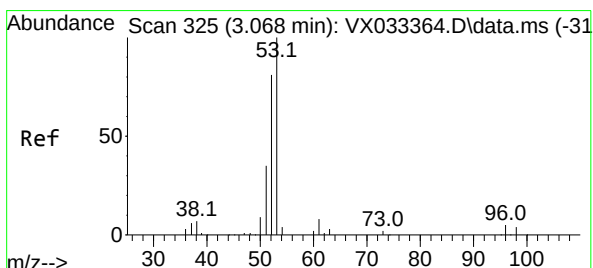
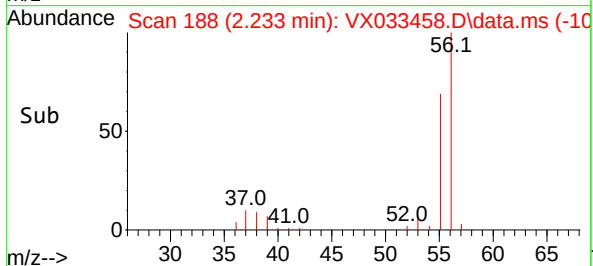
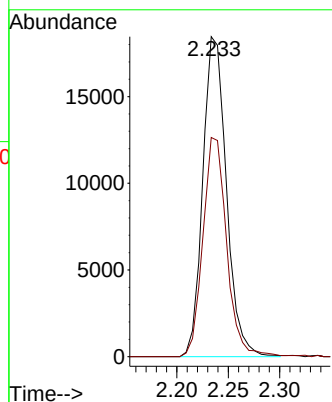
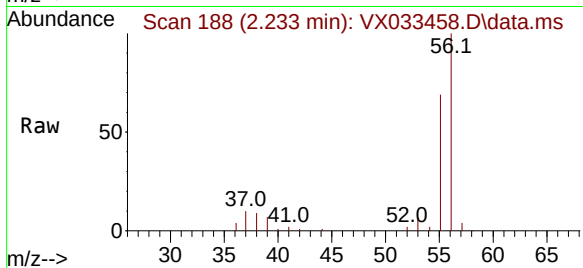
55 68.8 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#14

Acrylonitrile

Concen: 108.419 ug/l

RT: 3.063 min Scan# 324

Delta R.T. -0.006 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

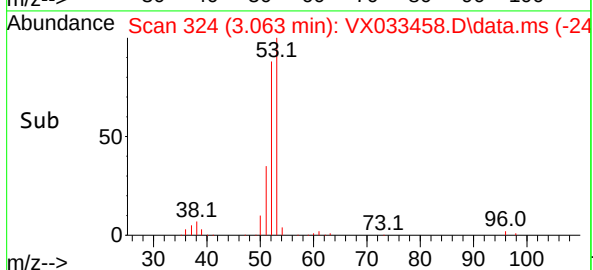
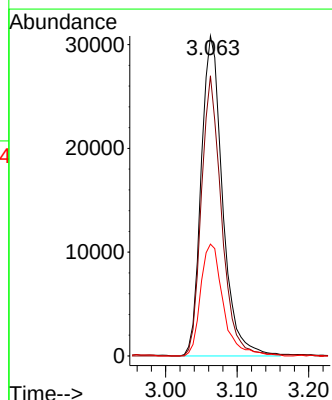
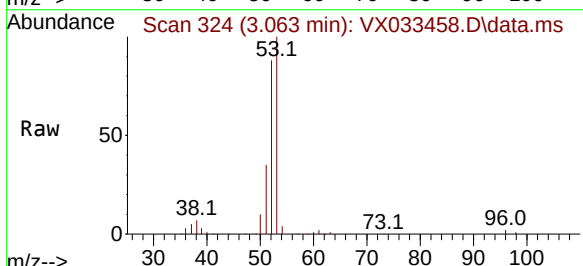
Tgt Ion: 53 Resp: 64271

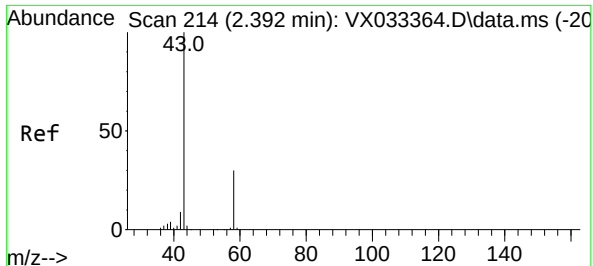
Ion Ratio Lower Upper

53 100

52 82.4 40.3 120.8

51 36.8 18.4 55.4





#15

Acetone

Concen: 61.031 ug/l

RT: 2.380 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 12430

Ion Ratio Lower Upper

58 100

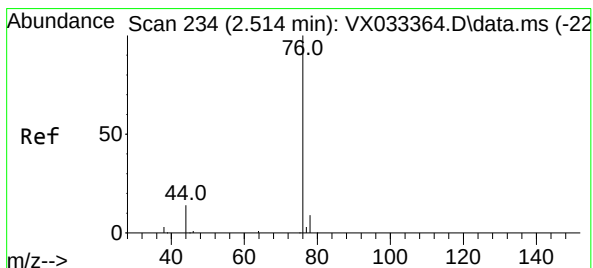
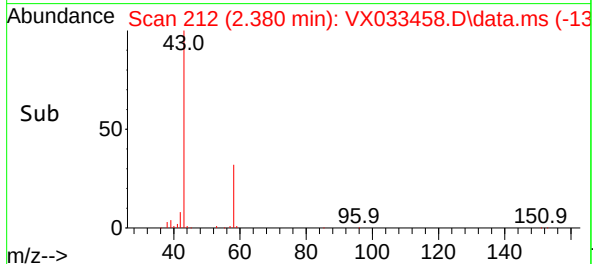
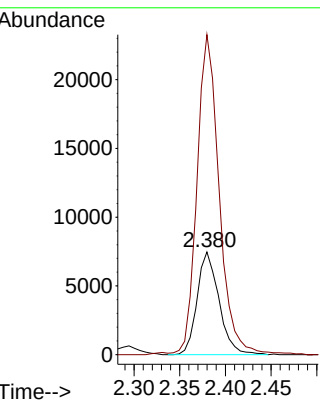
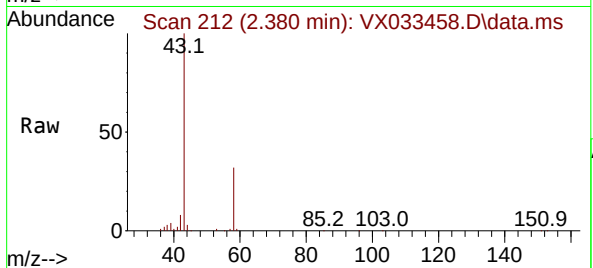
43 310.1 262.9 394.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#16

Carbon Disulfide

Concen: 17.545 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033458.D

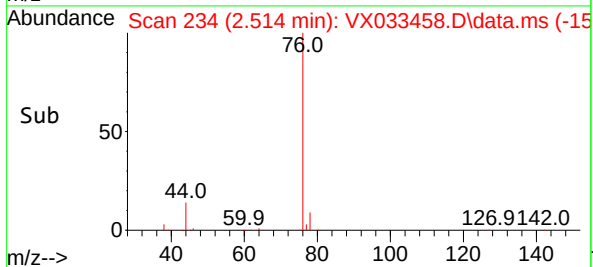
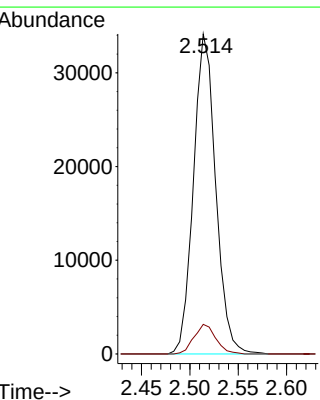
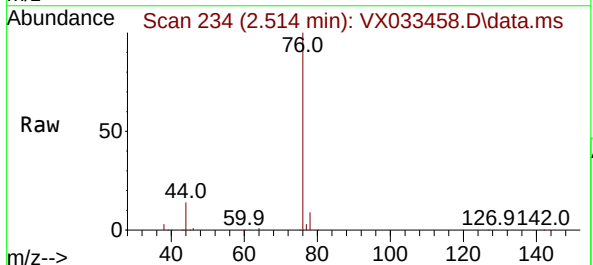
Acq: 16 Dec 2022 13:59

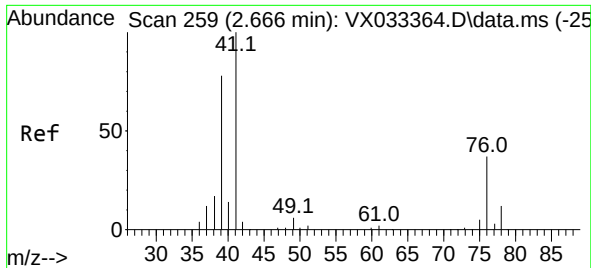
Tgt Ion: 76 Resp: 54664

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4





#17
 Allyl chloride
 Concen: 19.029 ug/l
 RT: 2.666 min Scan# 259
 Delta R.T. 0.000 min
 Lab File: VX033458.D
 Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

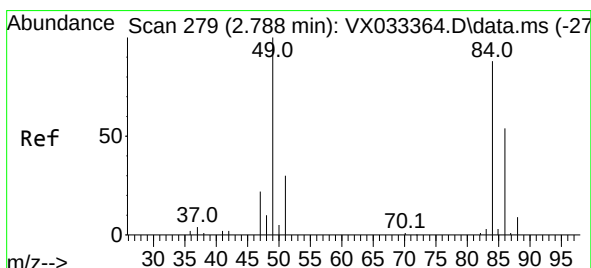
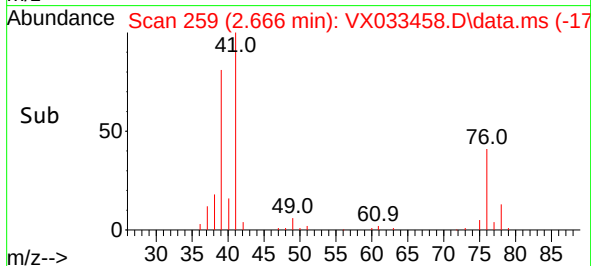
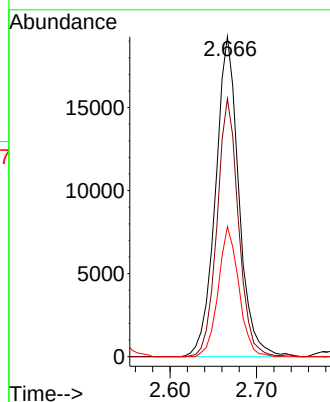
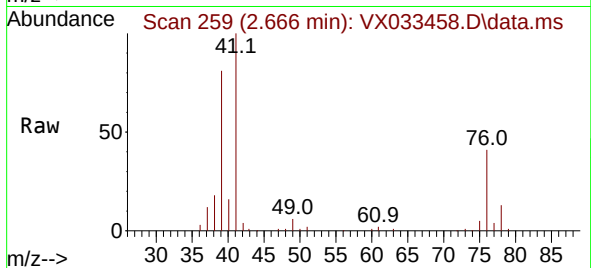
VSTDCCC020EC

Tgt Ion: 41 Resp: 3612
 Ion Ratio Lower Upper
 41 100
 39 80.6 39.1 117.2
 76 40.6 18.6 55.8

Manual Integrations

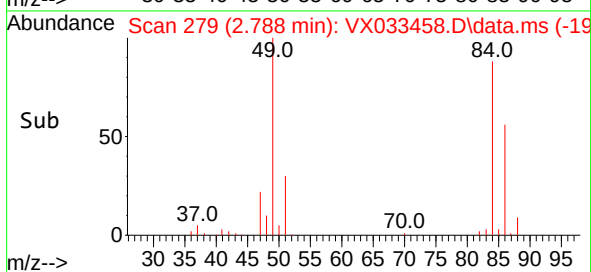
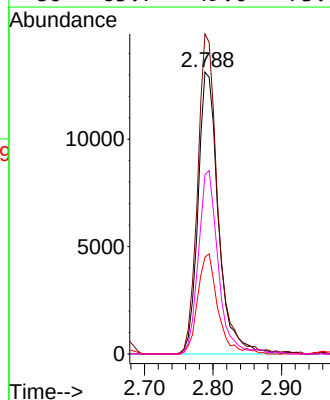
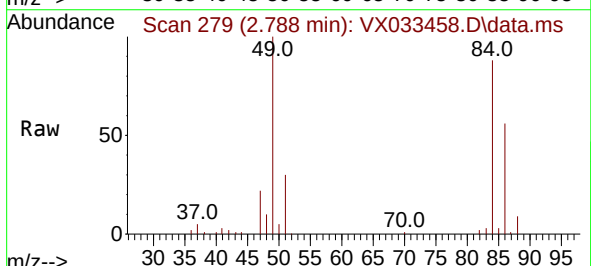
APPROVED

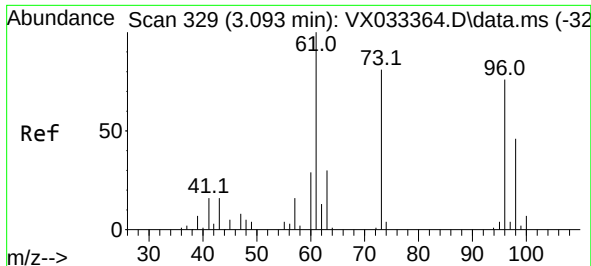
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022



#18
 Methylene Chloride
 Concen: 20.282 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX033458.D
 Acq: 16 Dec 2022 13:59

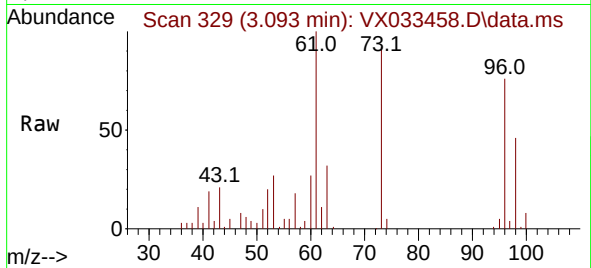
Tgt Ion: 84 Resp: 27224
 Ion Ratio Lower Upper
 84 100
 49 113.1 91.2 136.8
 51 34.4 27.3 40.9
 86 63.7 49.0 73.4





#19
trans-1,2-Dichloroethene
Concen: 19.278 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

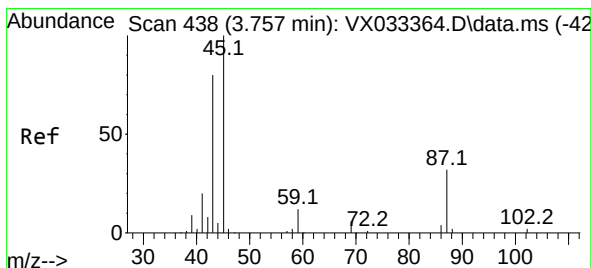
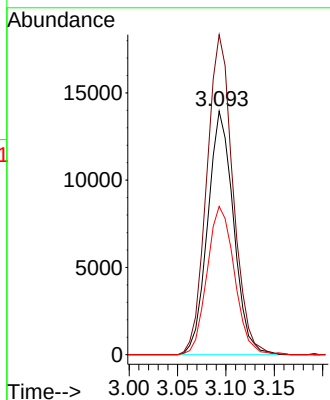
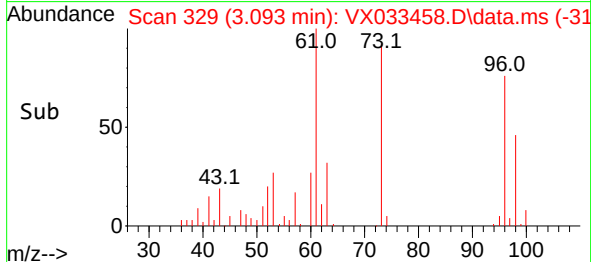
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



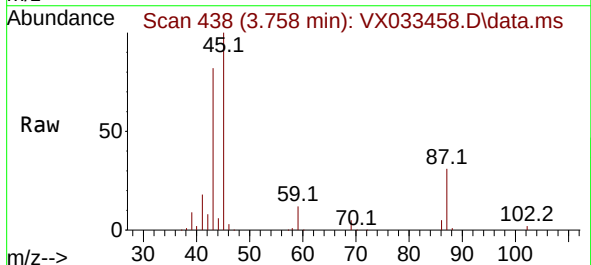
Tgt Ion: 96 Resp: 2597
Ion Ratio Lower Upper
96 100
61 131.4 105.8 158.8
98 60.9 49.1 73.7

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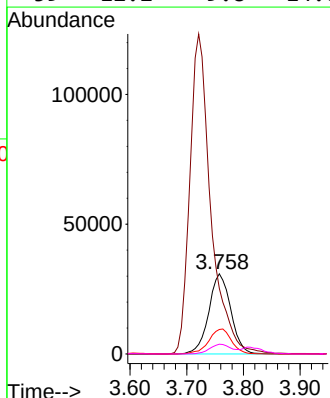
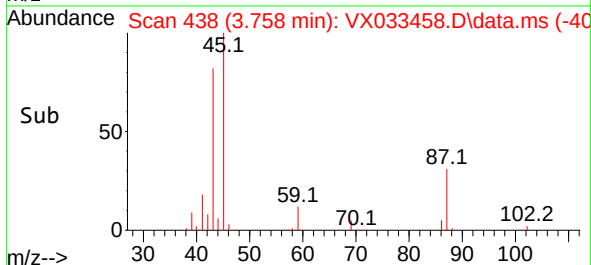
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

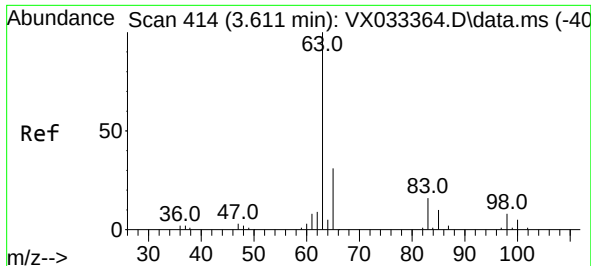


#20
Diisopropyl ether
Concen: 20.817 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 45 Resp: 83157
Ion Ratio Lower Upper
45 100
43 80.8 68.2 102.2
87 30.5 25.5 38.3
59 12.2 9.8 14.6





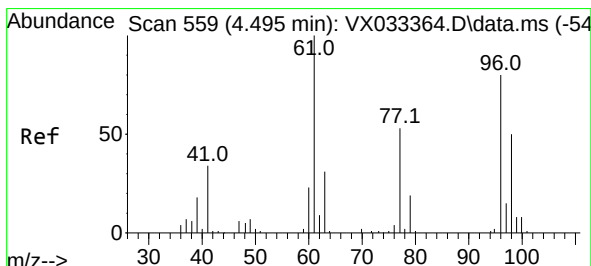
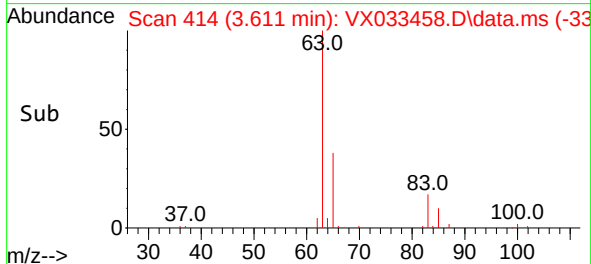
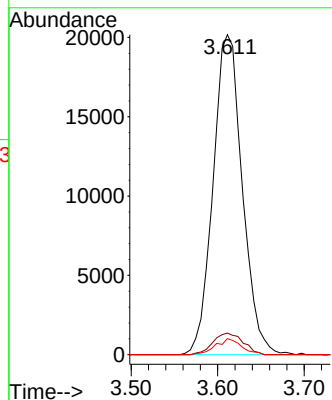
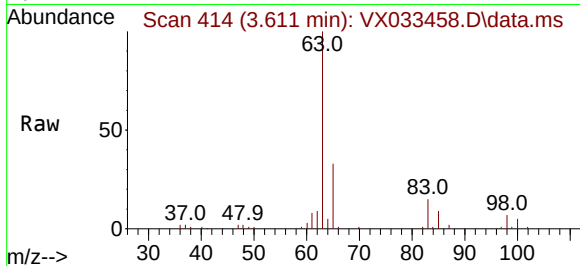
#21
1,1-Dichloroethane
Concen: 20.046 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 4723
Ion Ratio Lower Upper
63 100
98 6.8 4.0 11.9
100 5.0 2.8 8.3

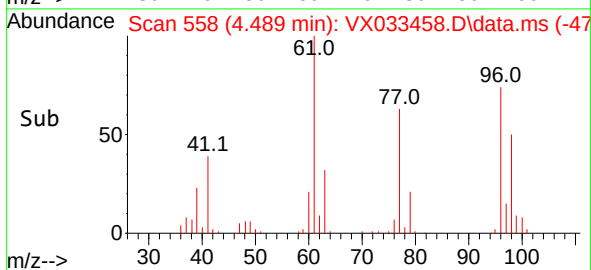
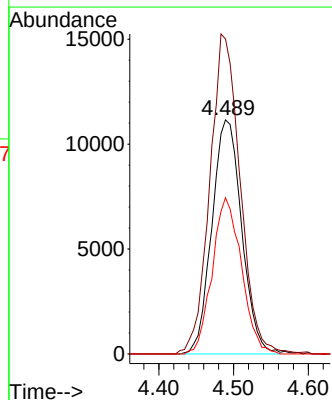
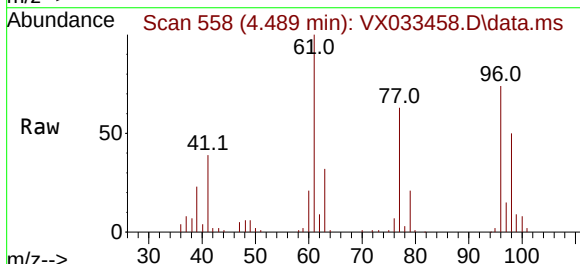
Manual Integrations
APPROVED

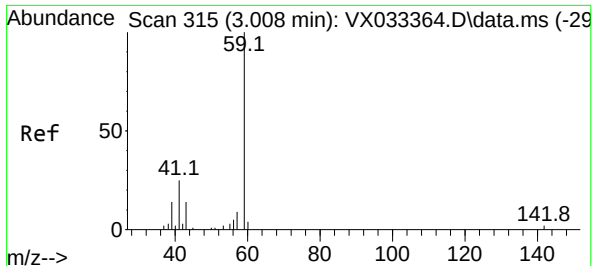
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#22
cis-1,2-Dichloroethene
Concen: 19.758 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 96 Resp: 30901
Ion Ratio Lower Upper
96 100
61 138.8 113.5 170.3
98 65.5 51.9 77.9





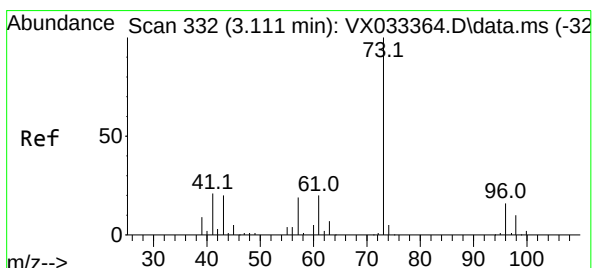
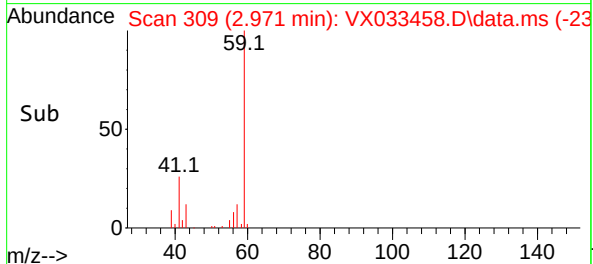
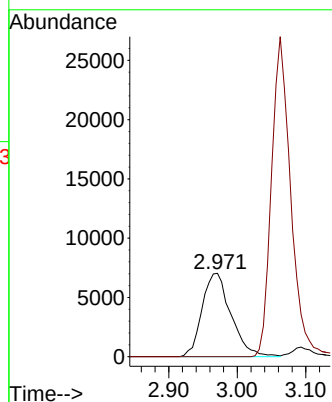
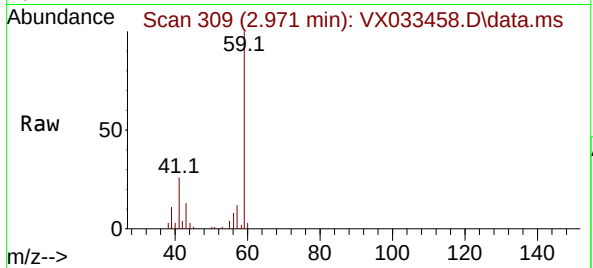
#23
tert-Butyl Alcohol
Concen: 81.493 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.036 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 20615
Ion Ratio Lower Upper
59 100
52 0.0 149.0 223.6

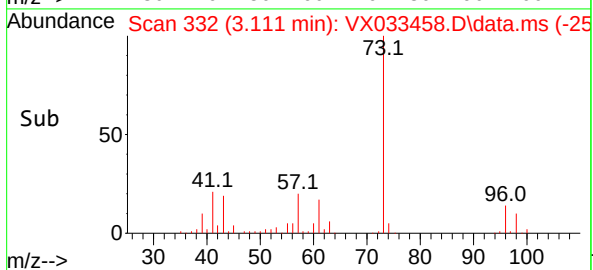
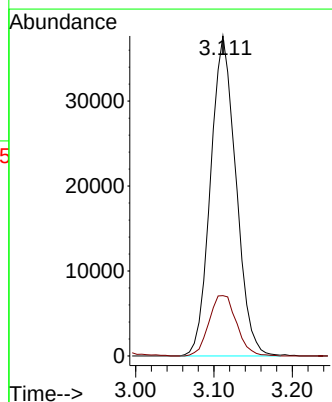
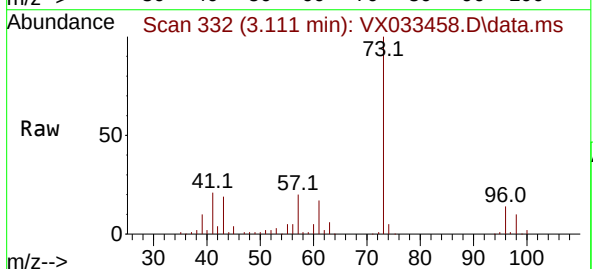
Manual Integrations
APPROVED

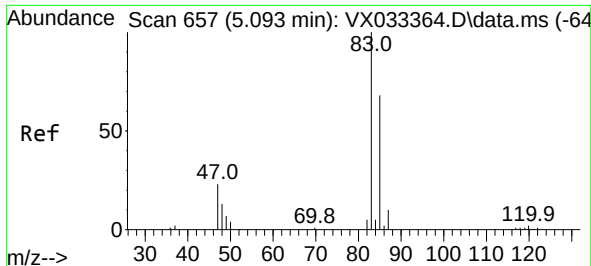
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#24
Methyl tert-Butyl Ether
Concen: 20.331 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 73 Resp: 85079
Ion Ratio Lower Upper
73 100
43 20.5 16.8 25.2





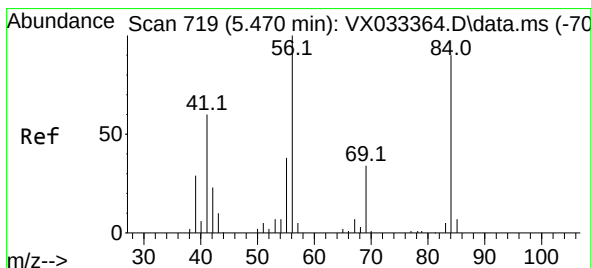
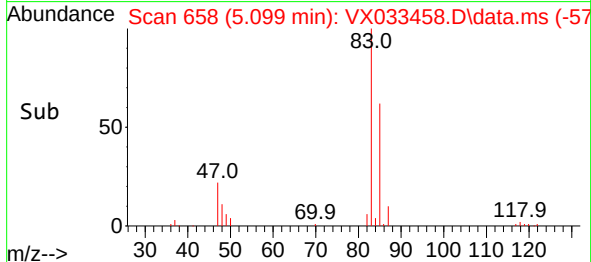
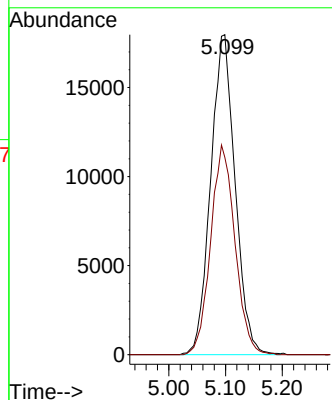
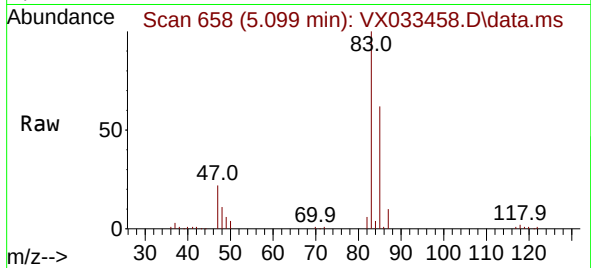
#25
Chloroform
Concen: 20.057 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 53778
Ion Ratio Lower Upper
83 100
85 61.7 54.2 81.2

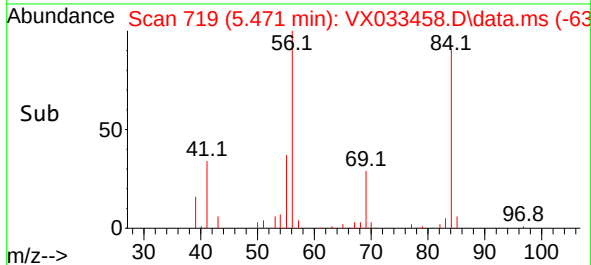
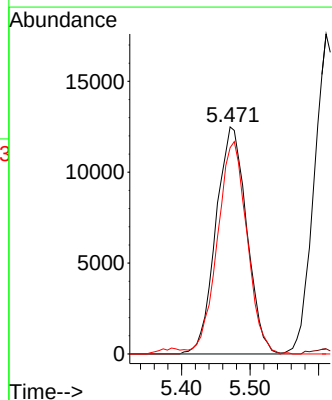
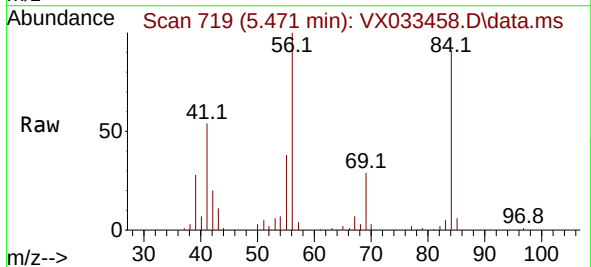
Manual Integrations
APPROVED

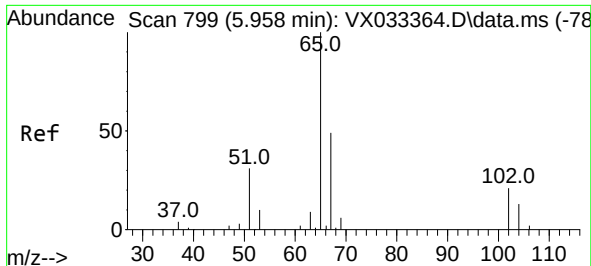
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#26
Cyclohexane
Concen: 18.933 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 56 Resp: 39018
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.7 74.7 112.1





#27

1,2-Dichloroethane-d4

Concen: 30.744 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 36230

Ion Ratio Lower Upper

65 100

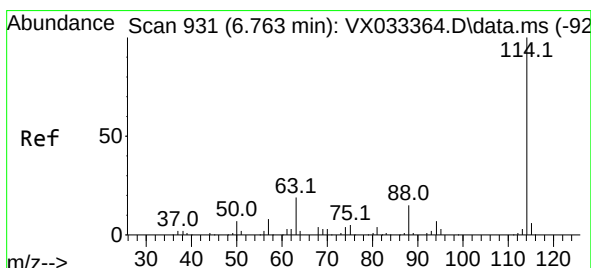
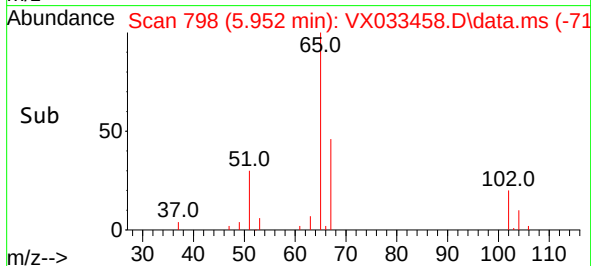
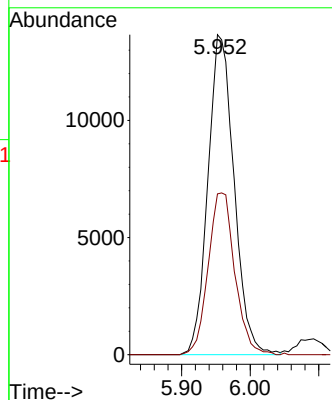
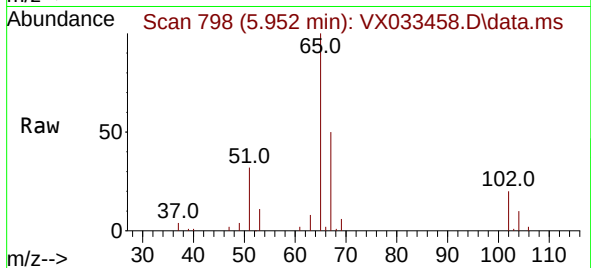
67 51.5 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

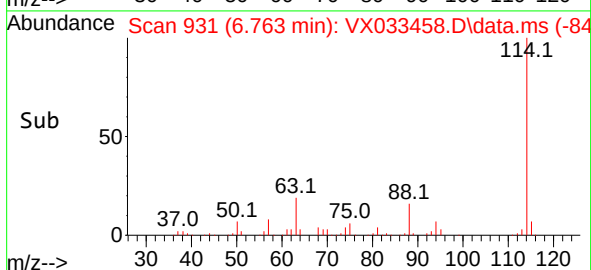
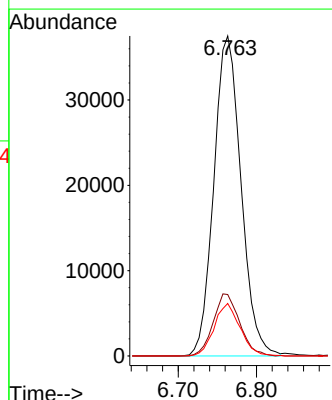
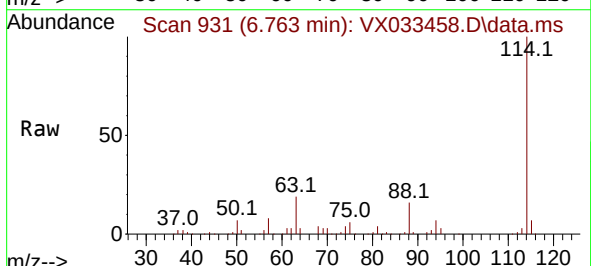
Tgt Ion:114 Resp: 90486

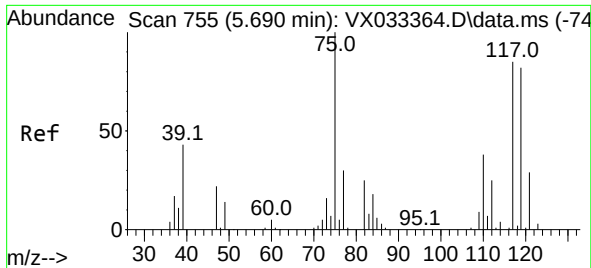
Ion Ratio Lower Upper

114 100

63 18.9 15.2 22.8

88 15.7 12.2 18.4





#29

1,1-Dichloropropene

Concen: 19.655 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

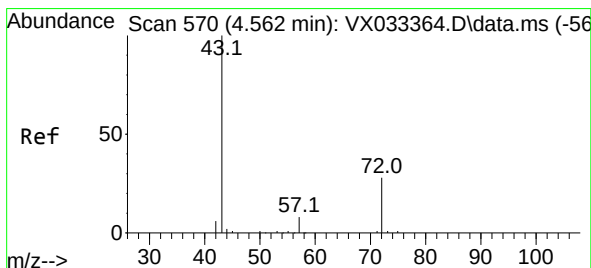
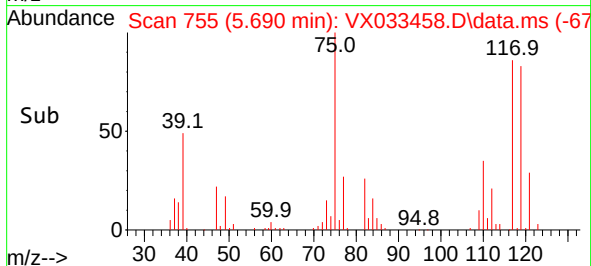
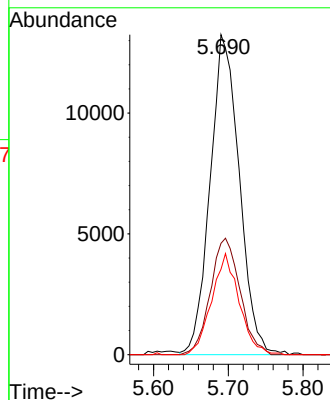
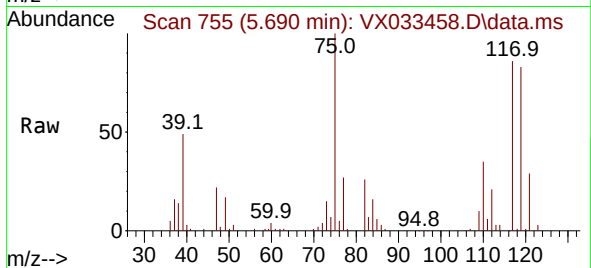
Tgt Ion: 75	Resp: 3594
Ion Ratio	Lower Upper
75 100	
110 37.0	0.0 73.6
77 29.8	0.0 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#30

2-Butanone

Concen: 102.808 ug/l

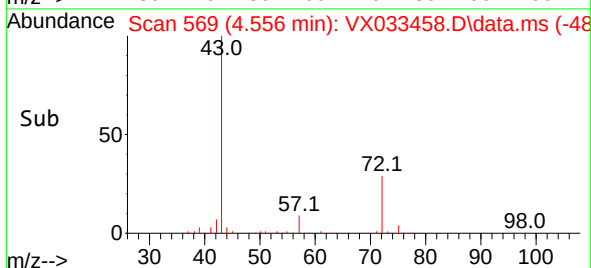
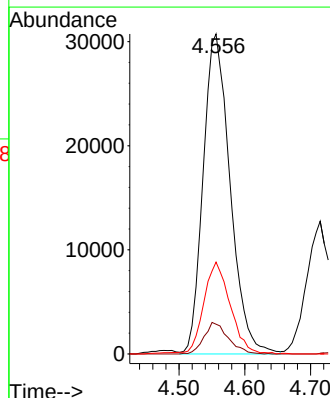
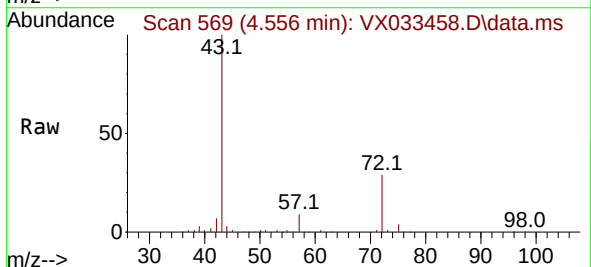
RT: 4.556 min Scan# 569

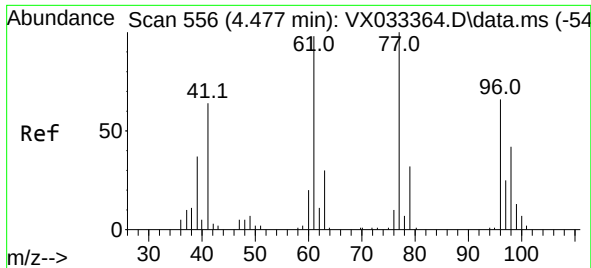
Delta R.T. -0.006 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Tgt Ion: 43	Resp: 87890
Ion Ratio	Lower Upper
43 100	
57 8.8	6.6 9.8
72 28.2	22.5 33.7





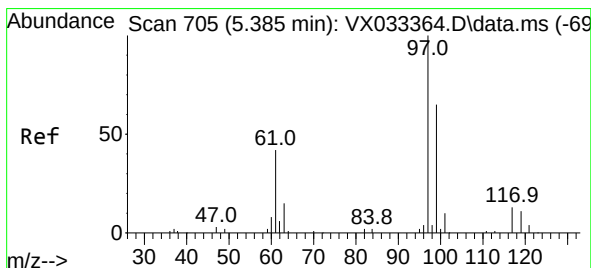
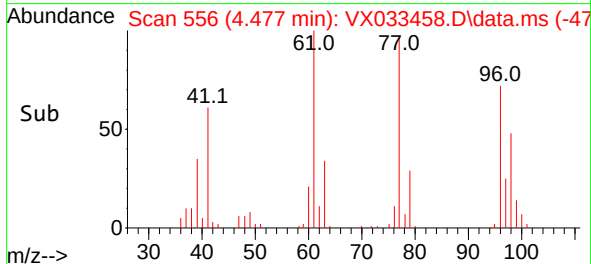
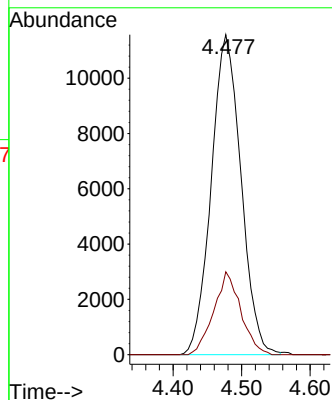
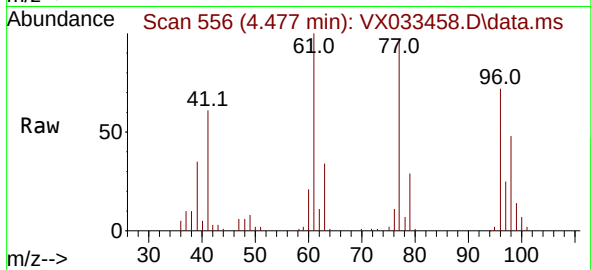
#31
2,2-Dichloropropane
Concen: 18.137 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 3485
Ion Ratio Lower Upper
77 100
97 23.5 18.1 27.1

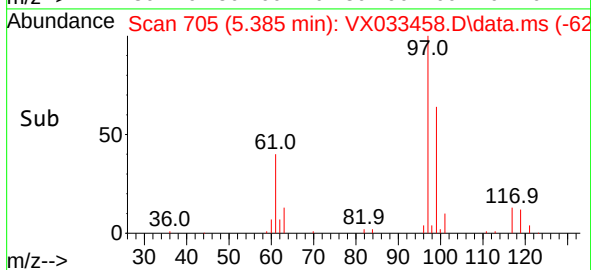
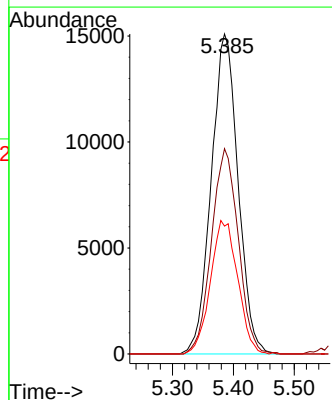
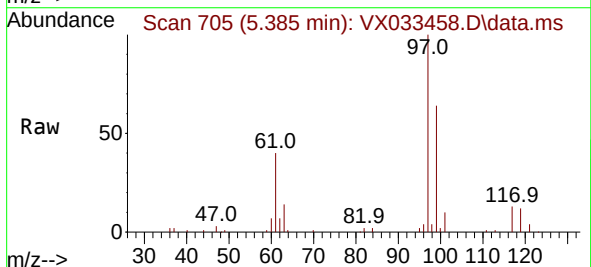
Manual Integrations
APPROVED

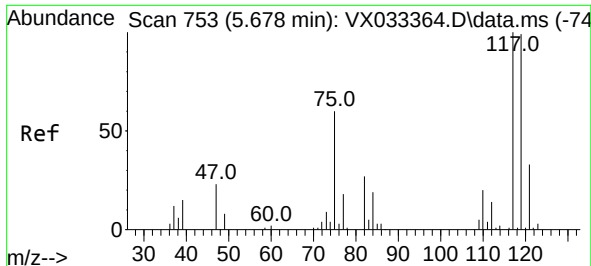
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#32
1,1,1-Trichloroethane
Concen: 19.568 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

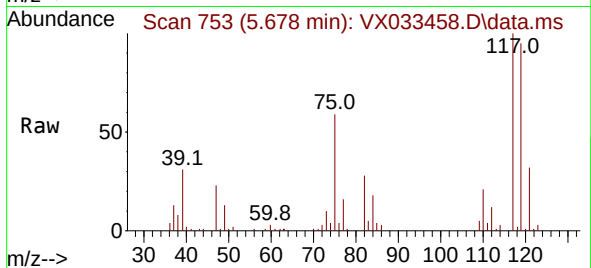
Tgt Ion: 97 Resp: 46197
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 42.4 34.3 51.5





#33
Carbon Tetrachloride
Concen: 18.567 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

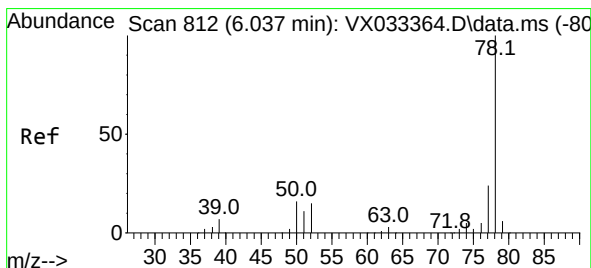
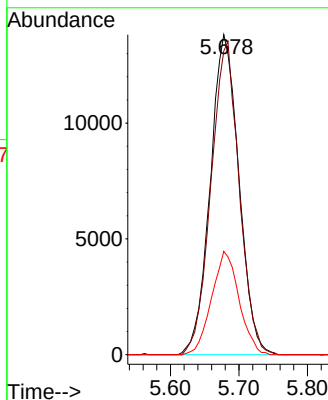
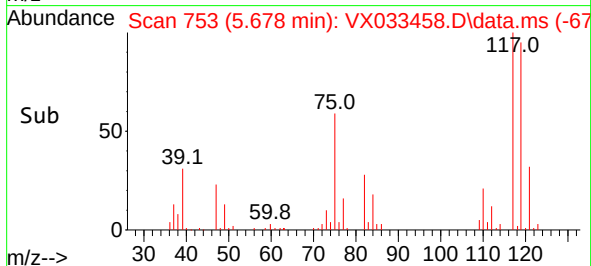
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



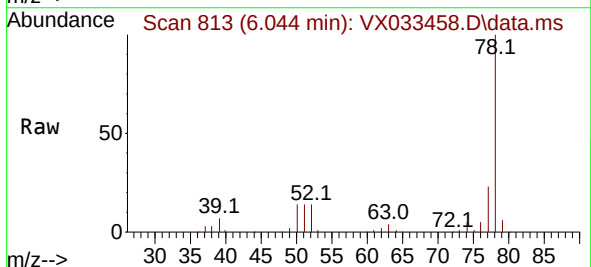
Tgt Ion:117 Resp: 4008
Ion Ratio Lower Upper
117 100
119 94.9 79.5 119.3
121 32.3 26.2 39.2

Manual Integrations
APPROVED

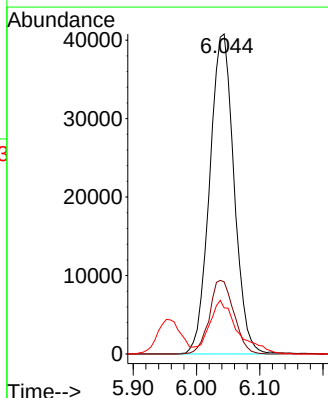
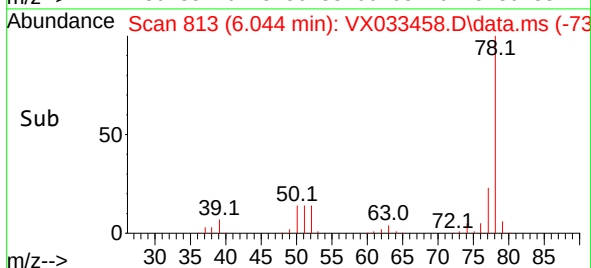
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

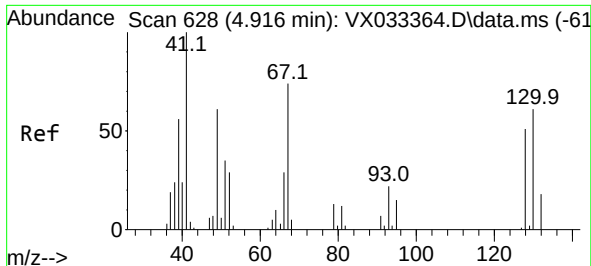


#34
Benzene
Concen: 20.780 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



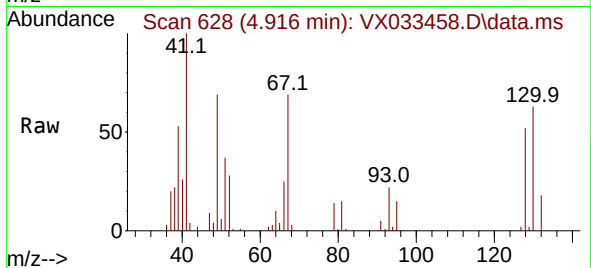
Tgt Ion: 78 Resp: 108908
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8
51 14.0 12.6 18.8





#35
Methacrylonitrile
Concen: 23.313 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

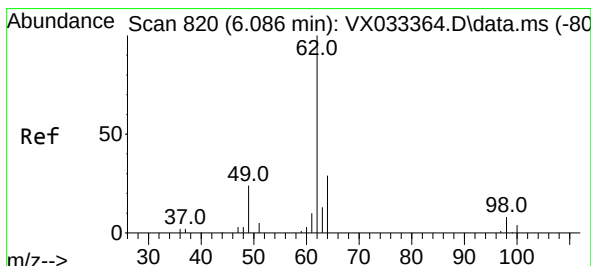
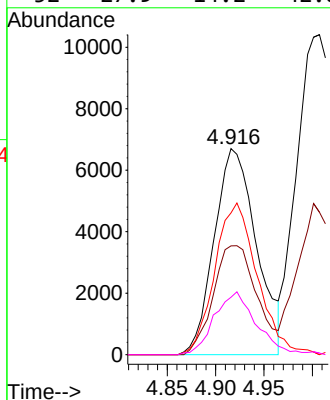
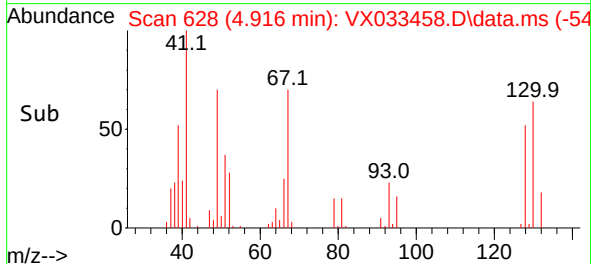
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 2042
Ion Ratio Lower Upper
41 100
39 52.8 27.8 83.3
67 68.8 37.0 110.9
52 27.9 14.2 42.8

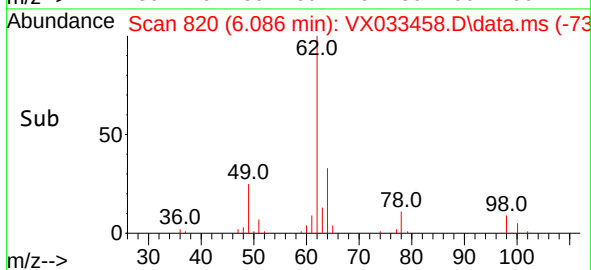
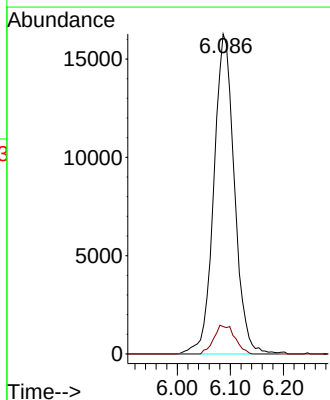
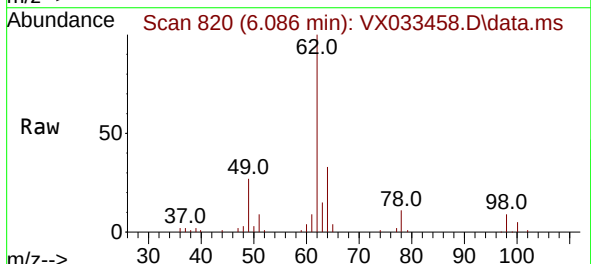
Manual Integrations
APPROVED

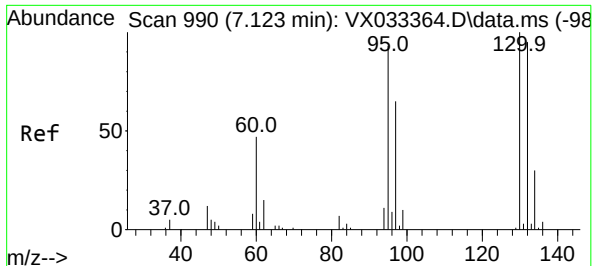
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#36
1,2-Dichloroethane
Concen: 21.791 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

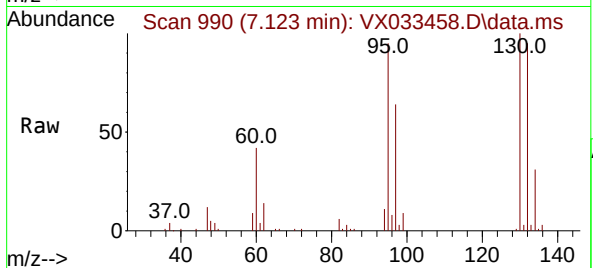
Tgt Ion: 62 Resp: 43898
Ion Ratio Lower Upper
62 100
98 5.8 6.4 9.6#





#37
Trichloroethene
Concen: 20.142 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

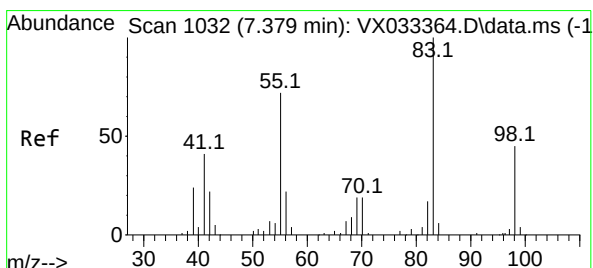
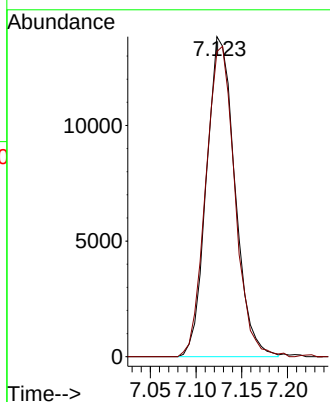
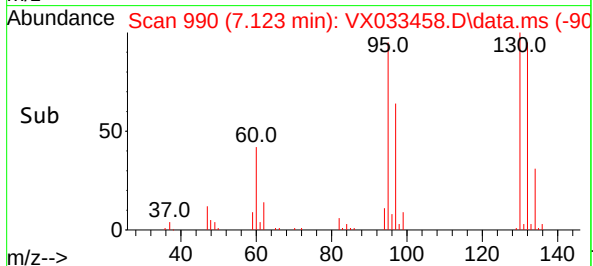
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



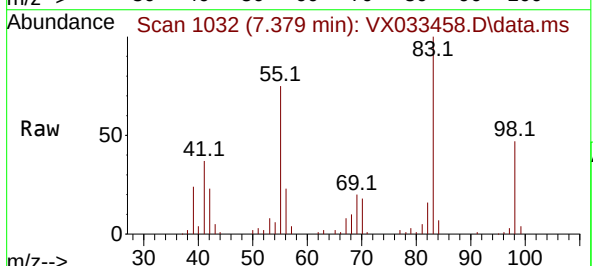
Tgt Ion:130 Resp: 29974
Ion Ratio Lower Upper
130 100
95 95.4 74.6 112.0

Manual Integrations
APPROVED

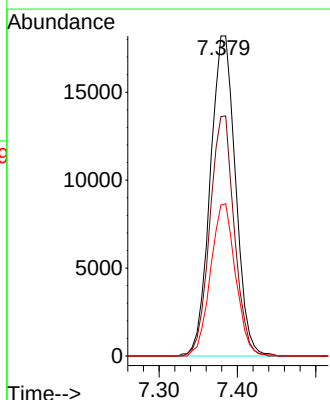
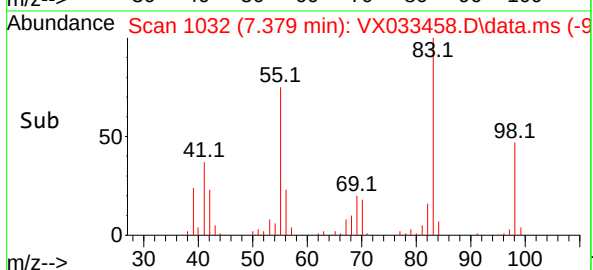
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

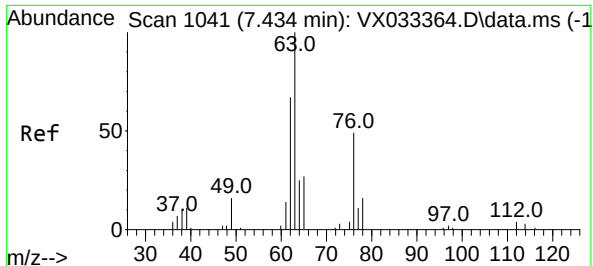


#38
Methylcyclohexane
Concen: 18.923 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 83 Resp: 40779
Ion Ratio Lower Upper
83 100
55 72.4 36.2 108.6
98 47.1 23.4 70.2





#39

1,2-Dichloropropane

Concen: 20.741 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 2710

Ion Ratio Lower Upper

63 100

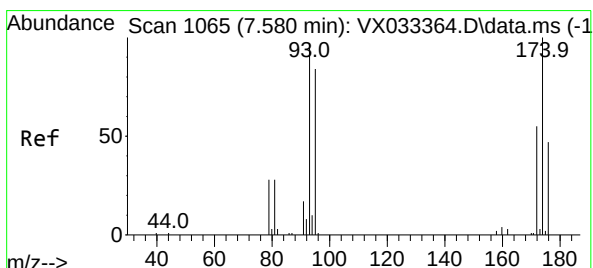
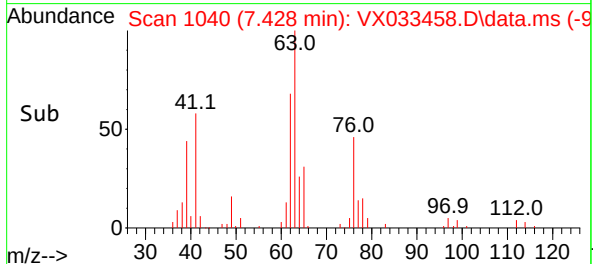
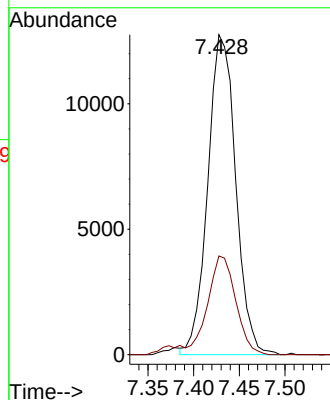
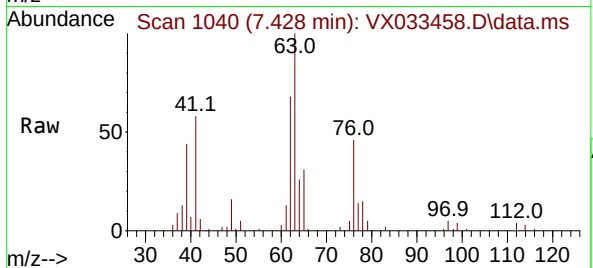
65 30.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#40

Dibromomethane

Concen: 21.358 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

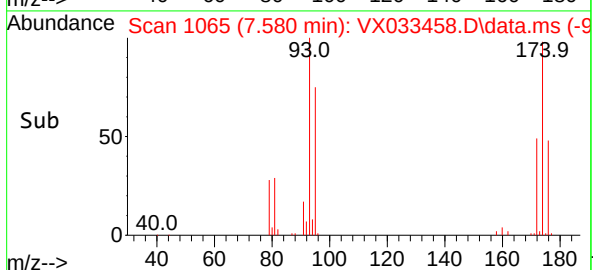
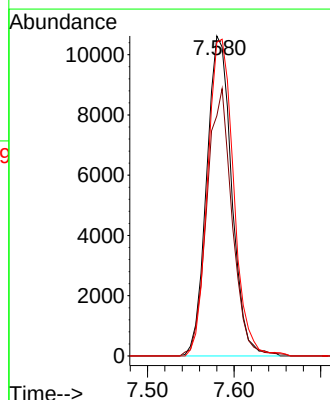
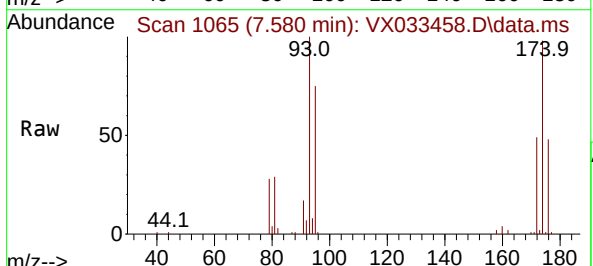
Tgt Ion: 93 Resp: 21356

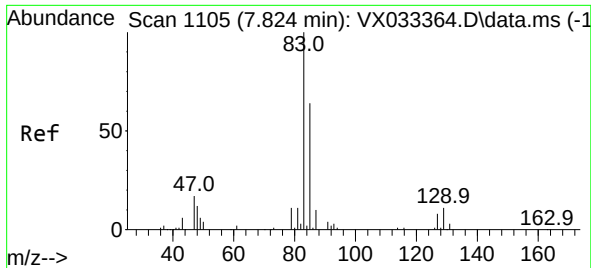
Ion Ratio Lower Upper

93 100

95 83.8 0.0 170.2

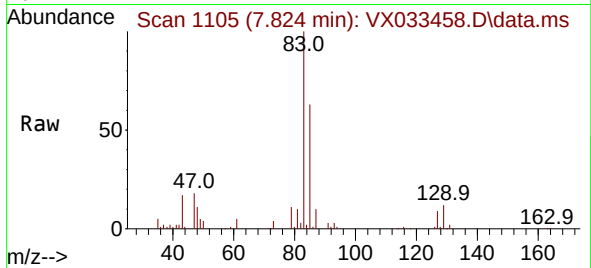
174 102.4 0.0 206.8





#41
Bromodichloromethane
Concen: 19.905 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

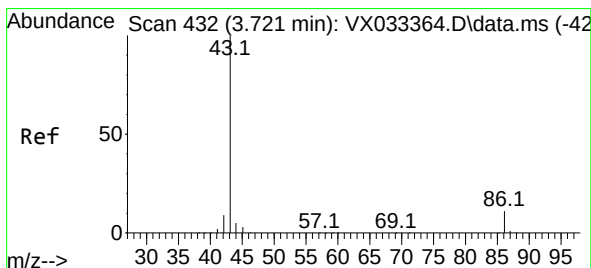
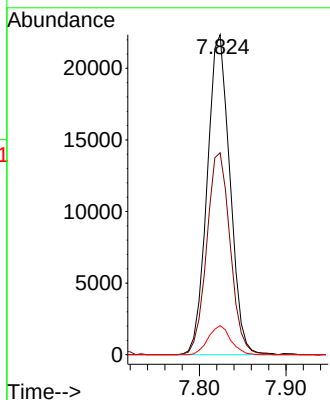
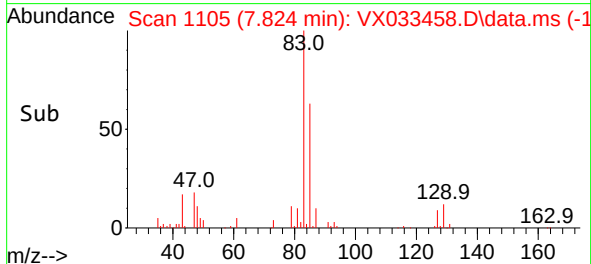
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



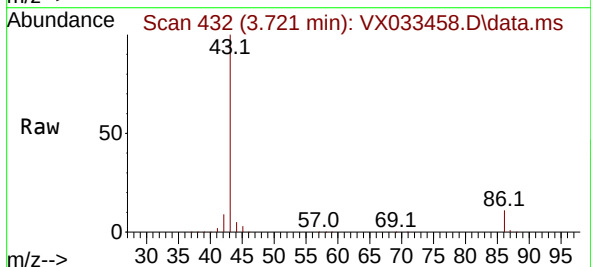
Tgt Ion: 83 Resp: 40780
Ion Ratio Lower Upper
83 100
85 63.1 50.9 76.3
127 9.1 6.8 10.2

Manual Integrations
APPROVED

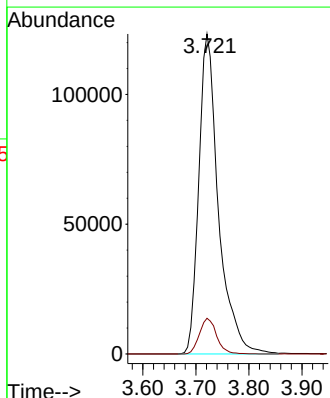
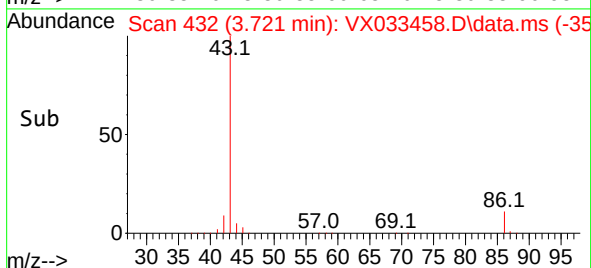
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

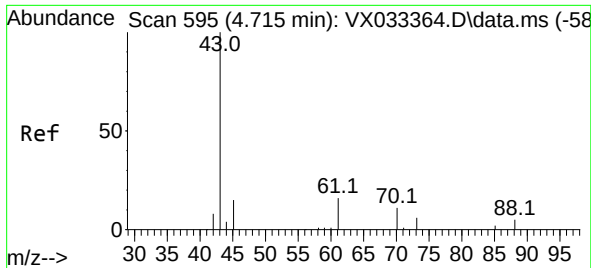


#42
Vinyl Acetate
Concen: 107.404 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 43 Resp: 317891
Ion Ratio Lower Upper
43 100
86 9.7 7.8 11.8





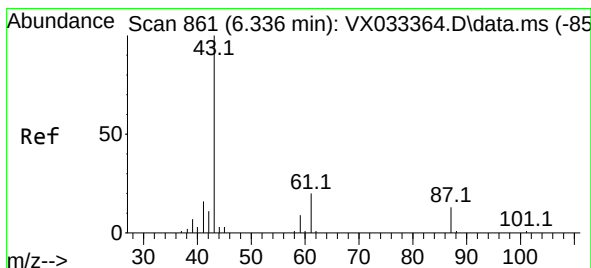
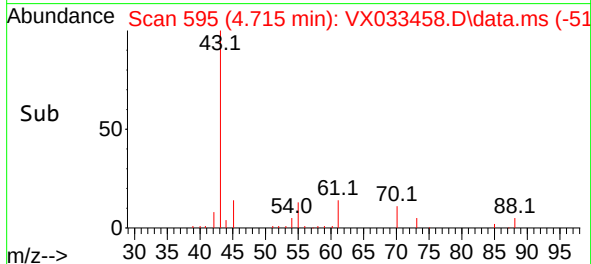
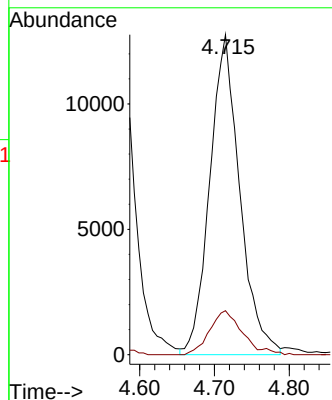
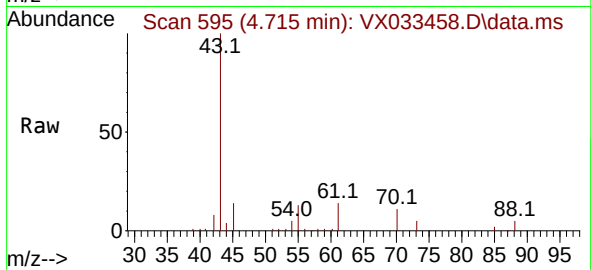
#43
Ethyl Acetate
Concen: 23.149 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
45 14.2 12.0 18.0

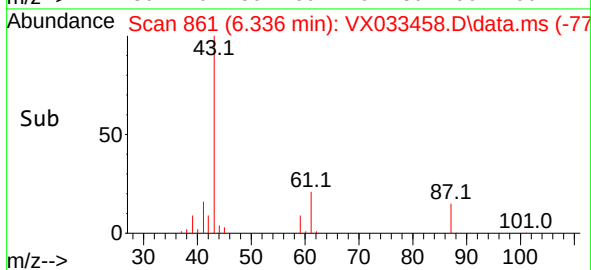
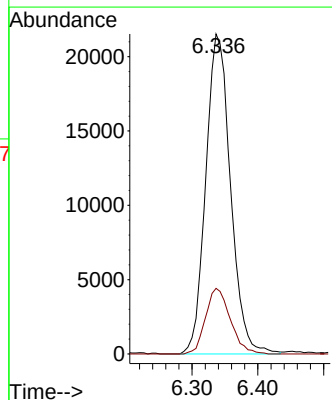
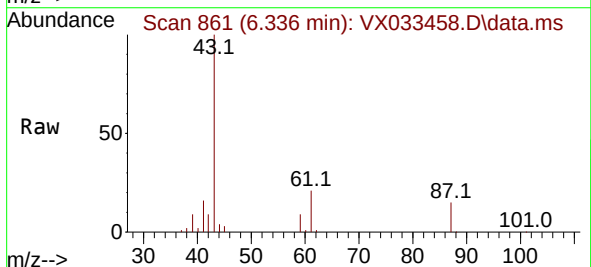
Manual Integrations
APPROVED

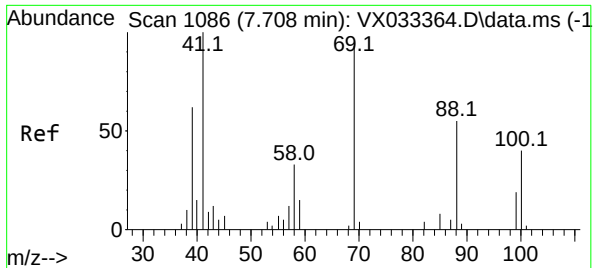
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#44
Isopropyl Acetate
Concen: 21.639 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

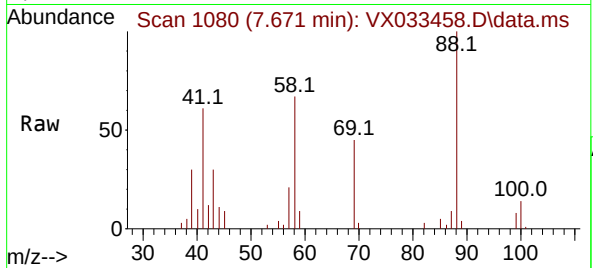
Tgt Ion: 43 Resp: 56465
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5





#45
1,4-Dioxane
Concen: 351.894 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.036 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

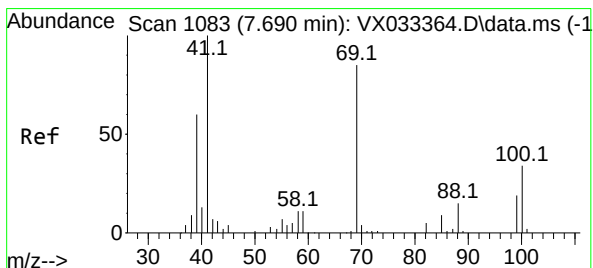
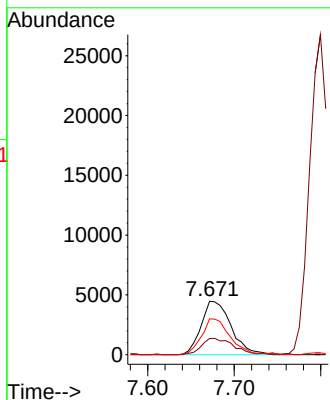
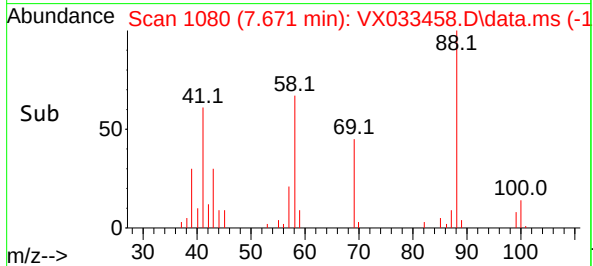
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



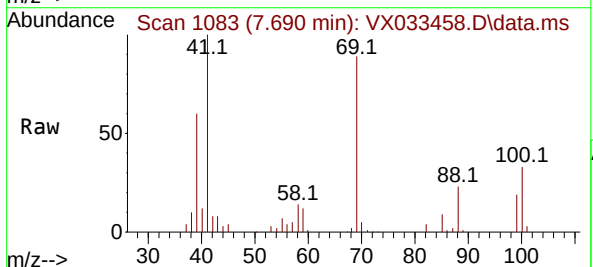
Tgt Ion: 88 Resp: 10758
Ion Ratio Lower Upper
88 100
43 32.6 12.4 18.6
58 63.1 51.1 76.7

Manual Integrations
APPROVED

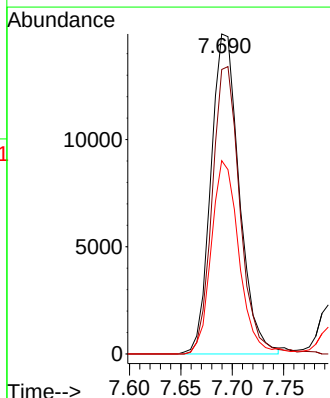
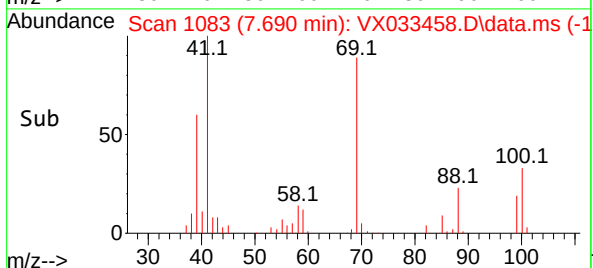
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

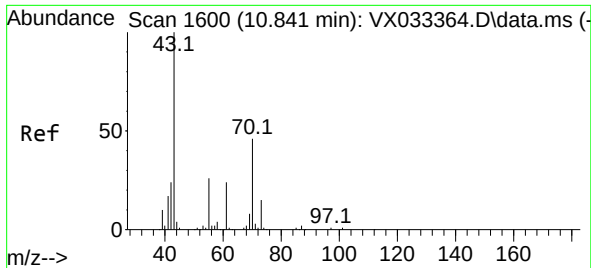


#46
Methyl methacrylate
Concen: 22.053 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 41 Resp: 28665
Ion Ratio Lower Upper
41 100
69 88.9 42.3 126.9
39 60.4 30.1 90.5





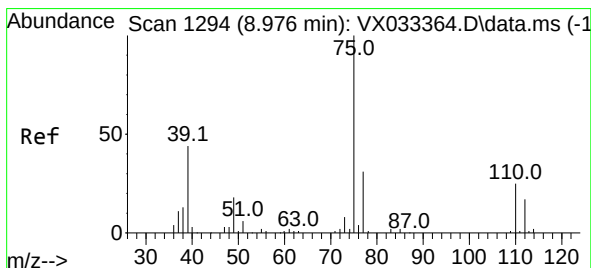
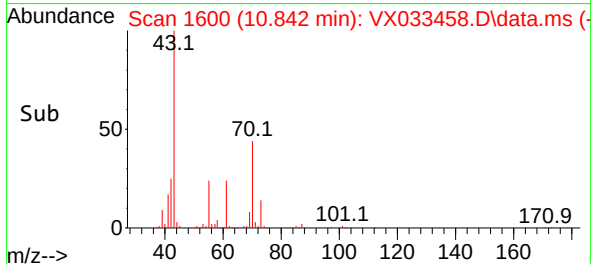
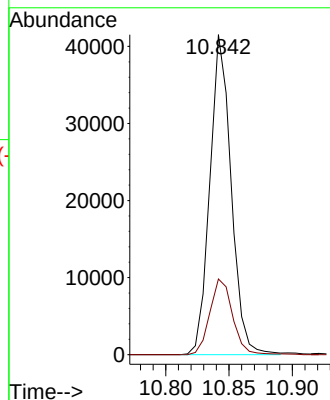
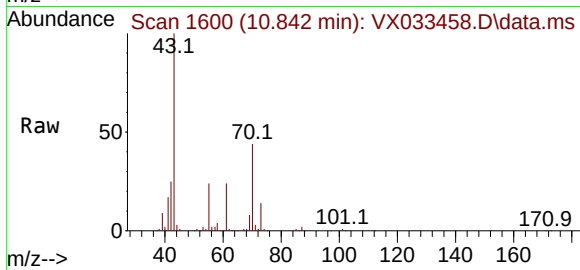
#47
n-amyl acetate
Concen: 22.186 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 4858
Ion Ratio Lower Upper
43 100
55 25.3 20.6 30.8

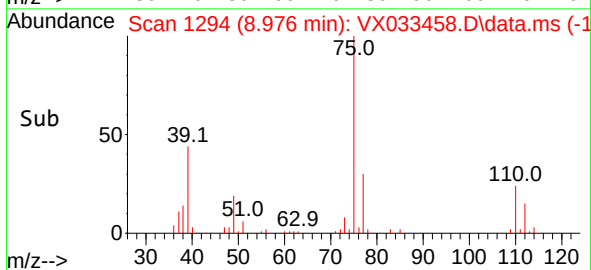
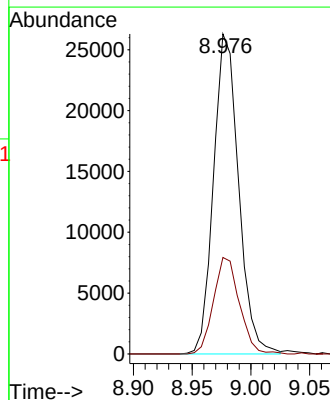
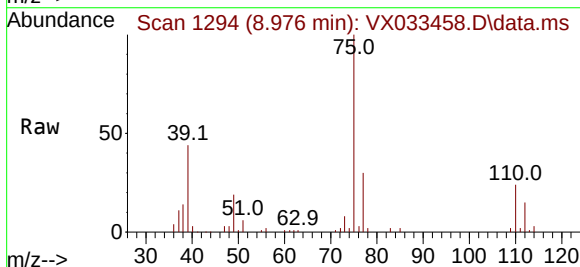
Manual Integrations
APPROVED

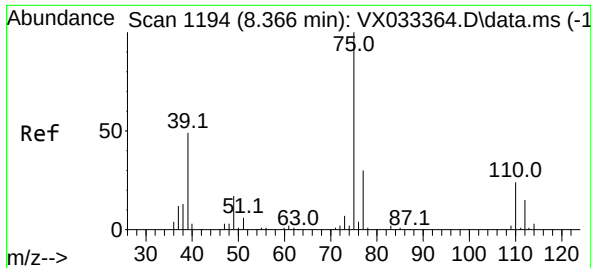
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#48
t-1,3-Dichloropropene
Concen: 18.985 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 75 Resp: 39019
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 19.489 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

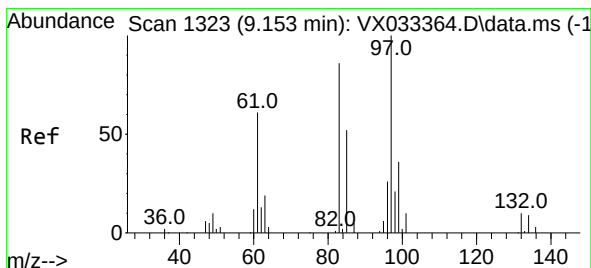
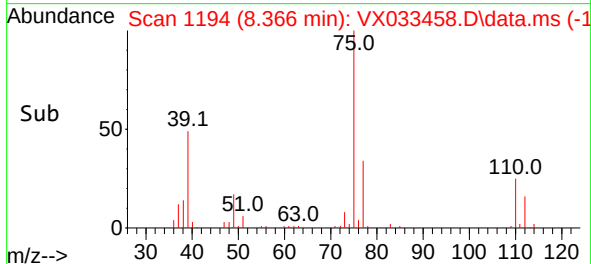
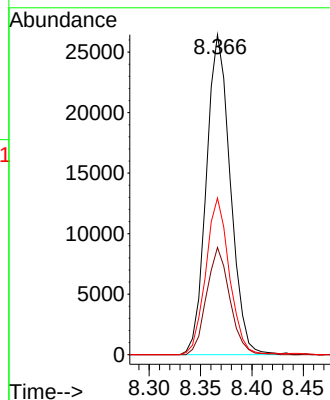
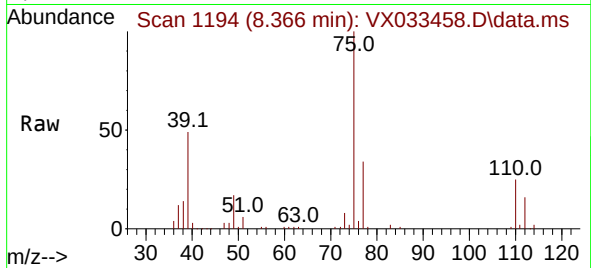
Tgt Ion: 75	Resp: 4299
Ion Ratio	Lower Upper
75 100	
77 33.5	24.2 36.4
39 48.9	39.3 58.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#50

1,1,2-Trichloroethane

Concen: 22.257 ug/l

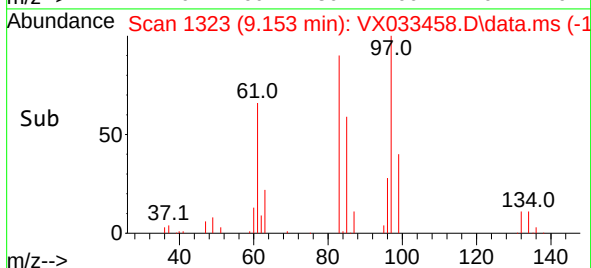
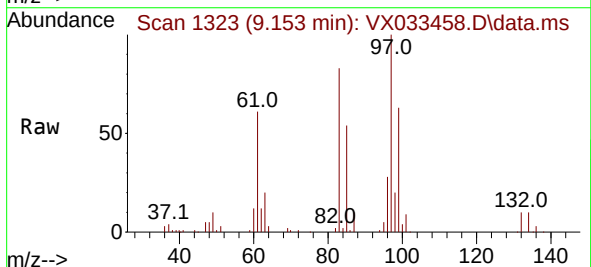
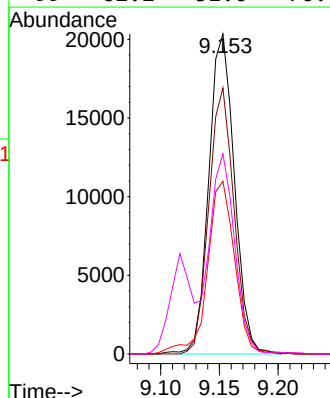
RT: 9.153 min Scan# 1323

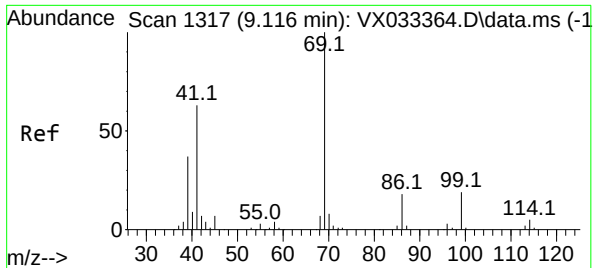
Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

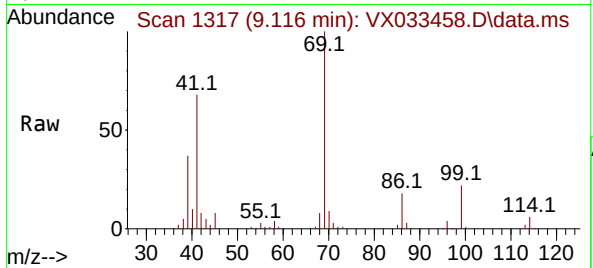
Tgt Ion: 97	Resp: 30776
Ion Ratio	Lower Upper
97 100	
83 83.4	68.1 102.1
85 53.8	43.8 65.6
99 62.2	51.0 76.6





#51
Ethyl methacrylate
Concen: 21.364 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

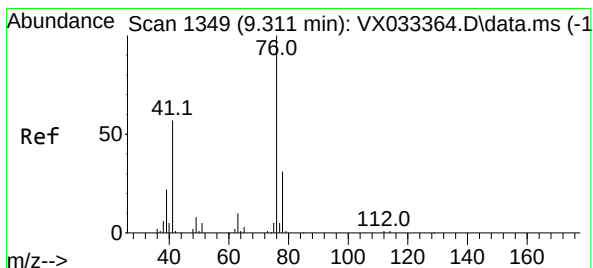
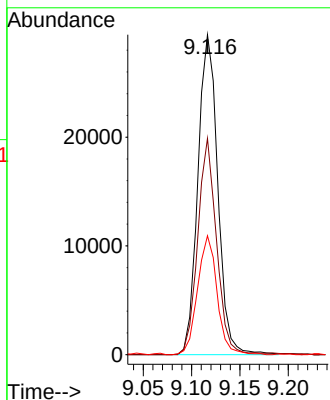
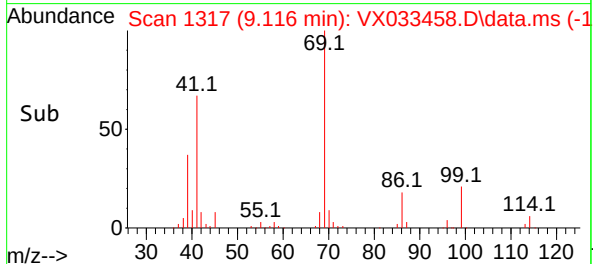
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



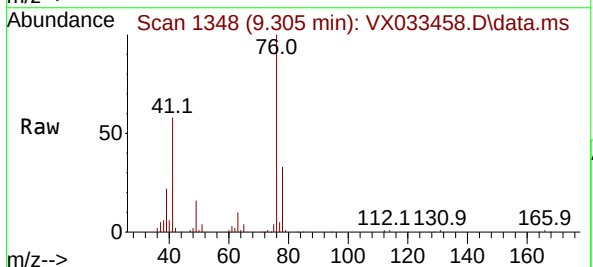
Tgt Ion: 69 Resp: 42209
Ion Ratio Lower Upper
69 100
41 67.4 31.4 94.2
39 37.0 18.4 55.2

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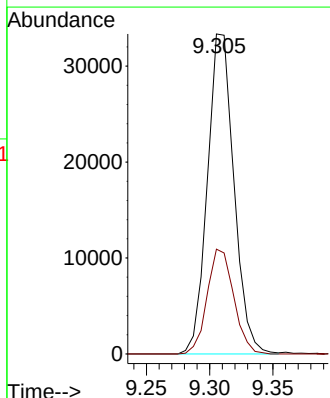
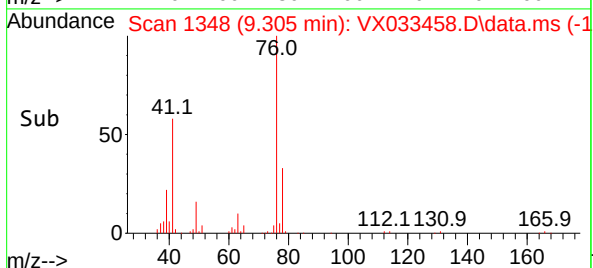
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

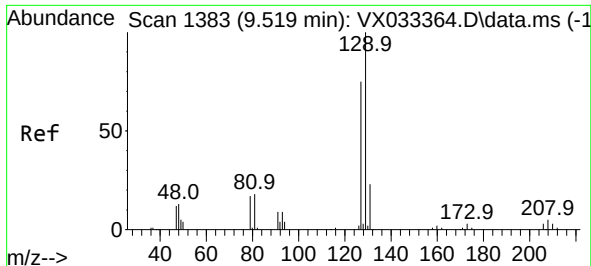


#52
1,3-Dichloropropane
Concen: 21.579 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion: 76 Resp: 48724
Ion Ratio Lower Upper
76 100
78 32.7 0.0 63.4





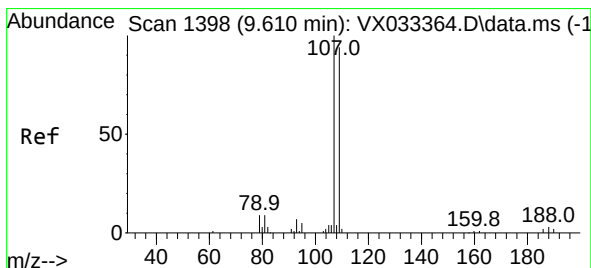
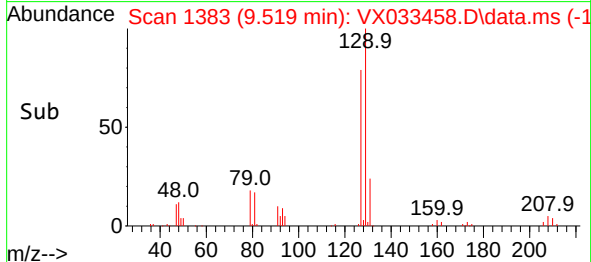
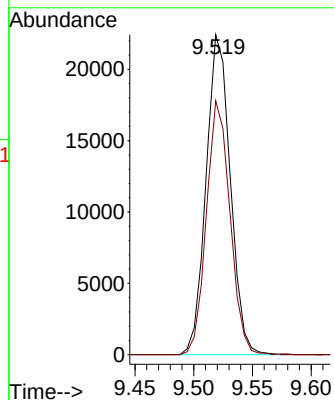
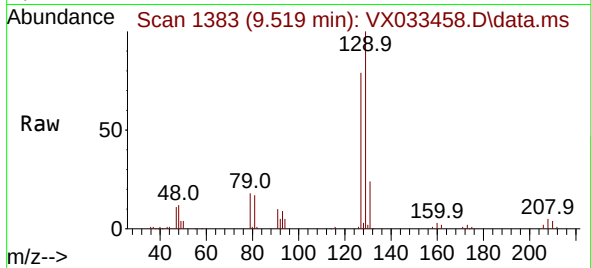
#53
Dibromochloromethane
Concen: 19.357 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 32160
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3

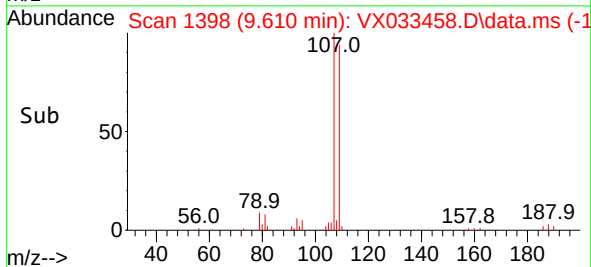
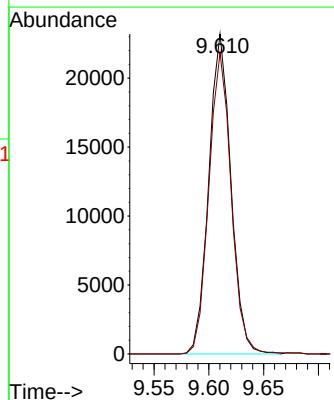
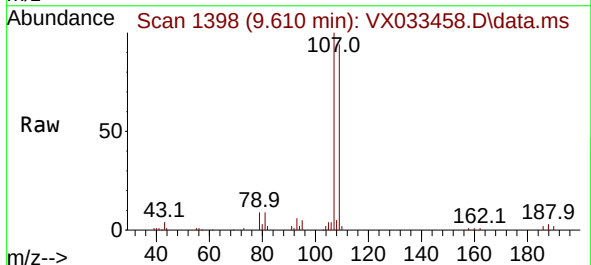
Manual Integrations
APPROVED

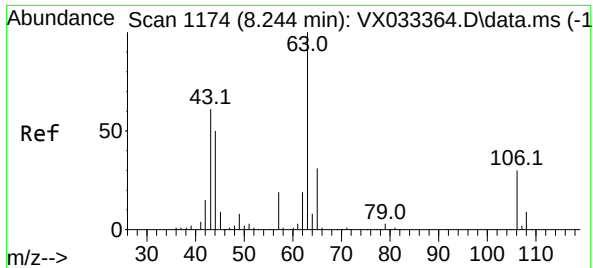
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#54
1,2-Dibromoethane
Concen: 21.557 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

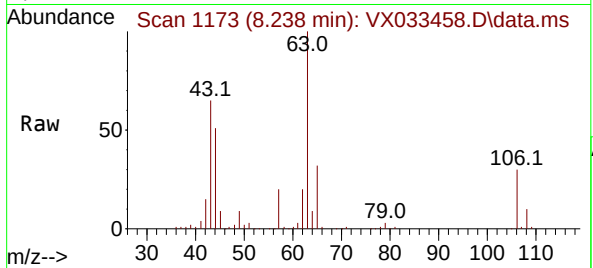
Tgt Ion:107 Resp: 32629
Ion Ratio Lower Upper
107 100
109 94.8 74.2 111.2





#55
2-Chloroethyl vinyl ether
Concen: 112.328 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

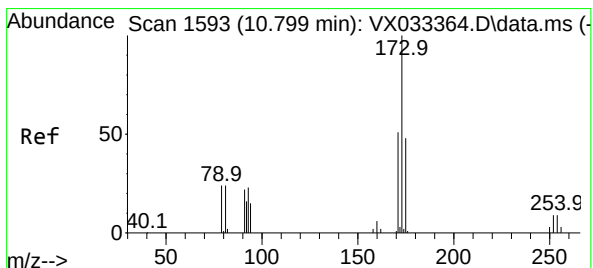
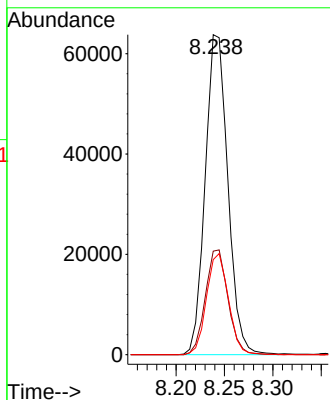
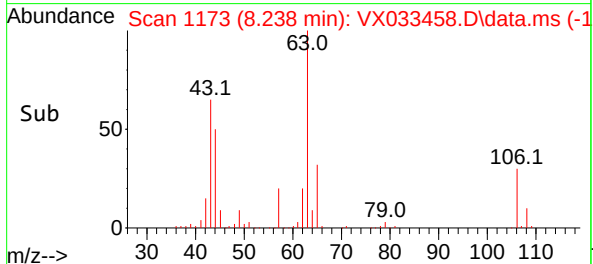
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 104198
Ion Ratio Lower Upper
63 100
65 32.7 25.8 38.8
106 30.5 24.2 36.4

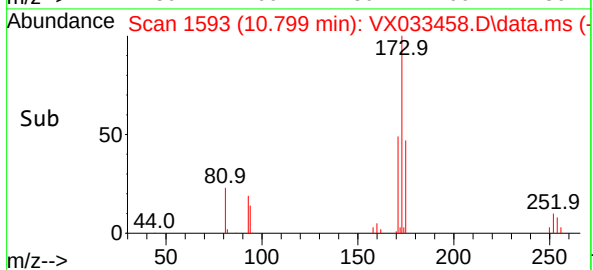
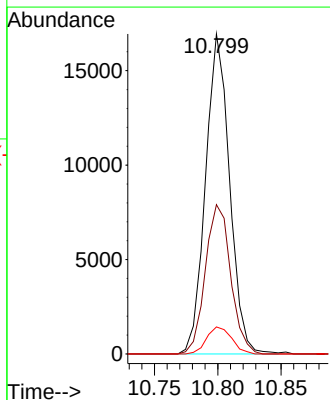
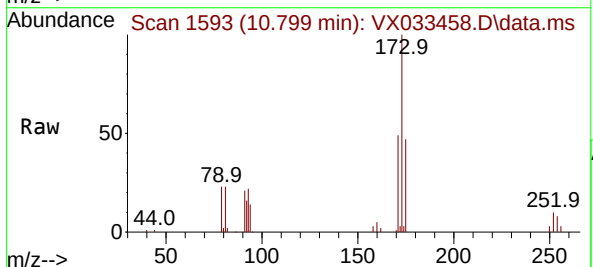
Manual Integrations
APPROVED

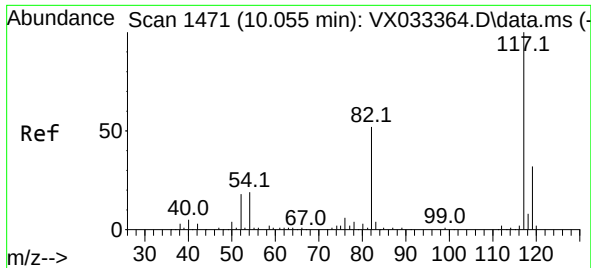
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#56
Bromoform
Concen: 18.683 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion:173 Resp: 22410
Ion Ratio Lower Upper
173 100
175 49.1 39.6 59.4
254 8.8 7.1 10.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:117 Resp: 102169

Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

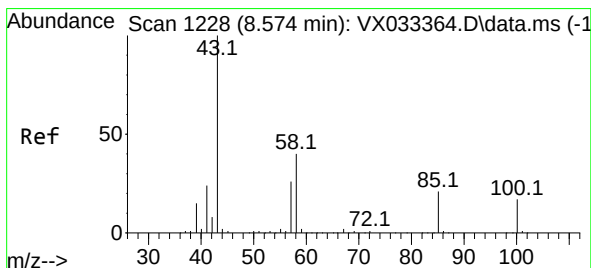
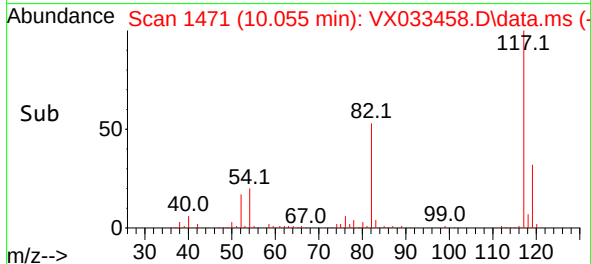
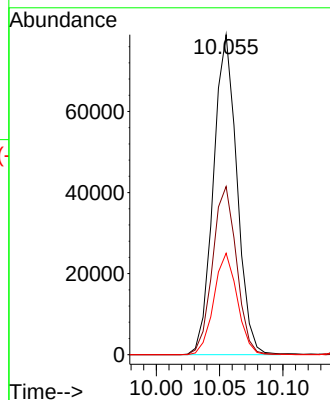
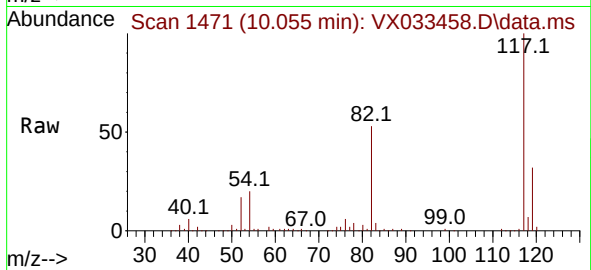
119 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#58

4-Methyl-2-Pentanone

Concen: 111.400 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

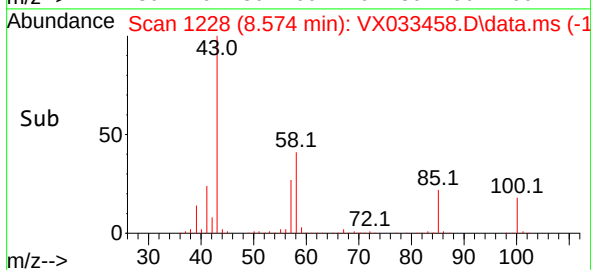
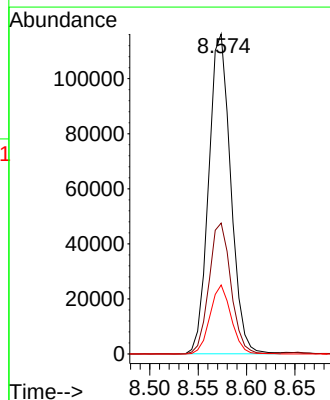
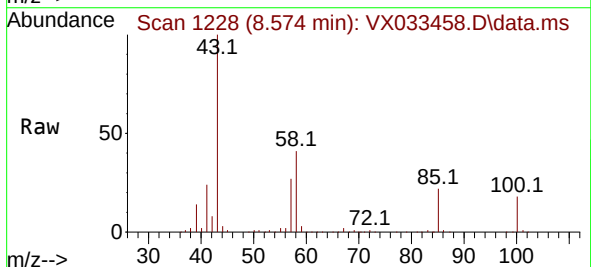
Tgt Ion: 43 Resp: 184051

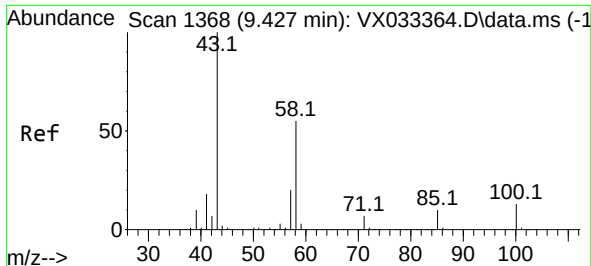
Ion Ratio Lower Upper

43 100

58 40.9 32.3 48.5

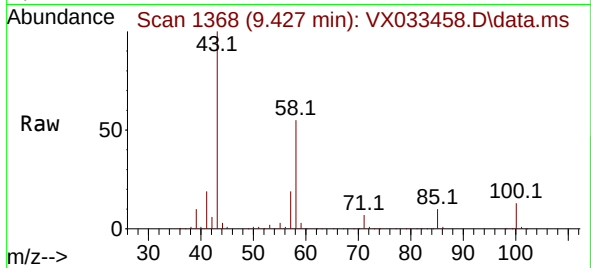
85 20.7 16.6 24.8





#59
2-Hexanone
Concen: 107.974 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

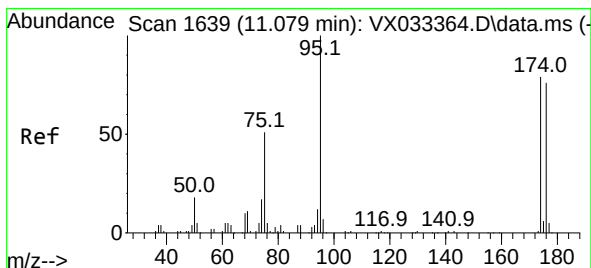
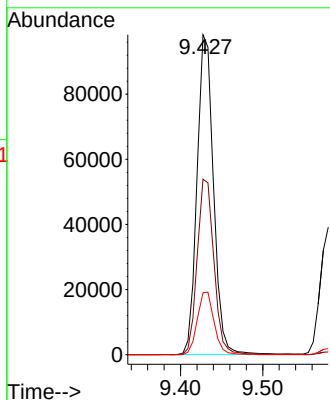
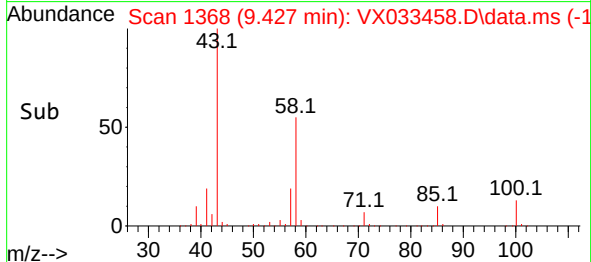
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 13641
Ion Ratio Lower Upper
43 100
58 55.8 44.4 66.6
57 20.0 16.2 24.2

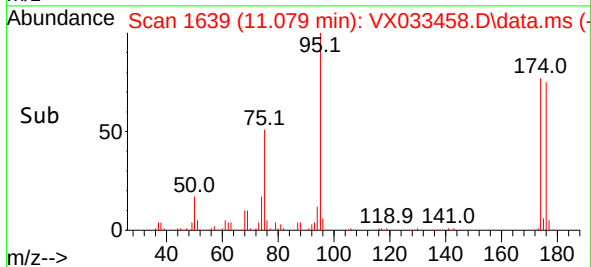
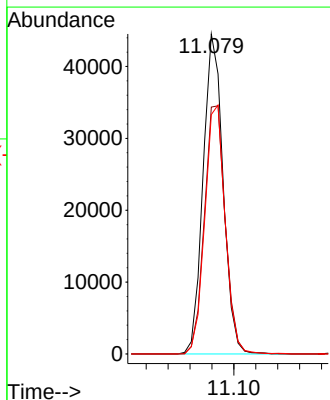
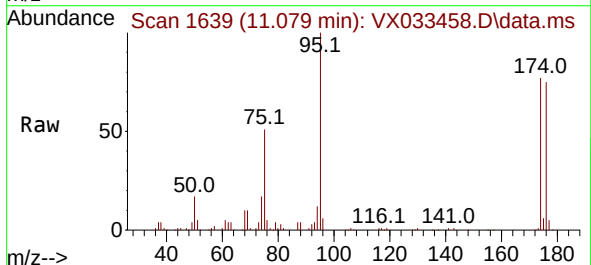
Manual Integrations
APPROVED

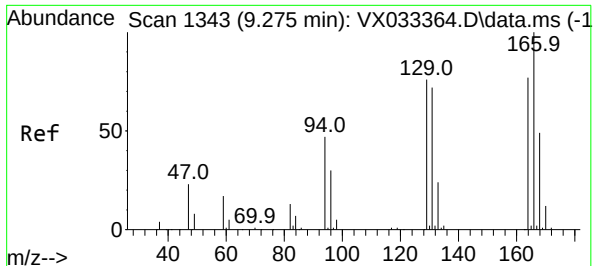
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#60
4-Bromofluorobenzene
Concen: 29.712 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

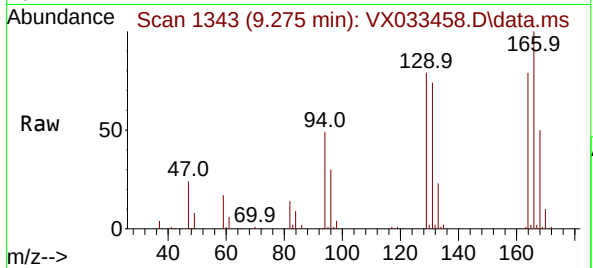
Tgt Ion: 95 Resp: 56223
Ion Ratio Lower Upper
95 100
174 81.2 65.9 98.9
176 79.4 63.3 94.9





#61
Tetrachloroethene
Concen: 19.425 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

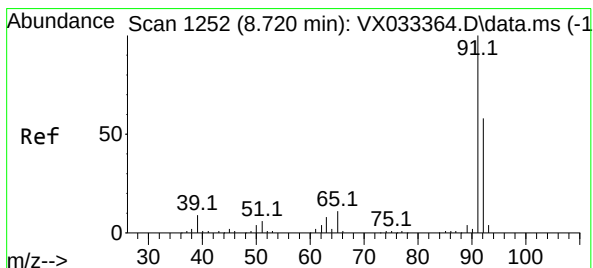
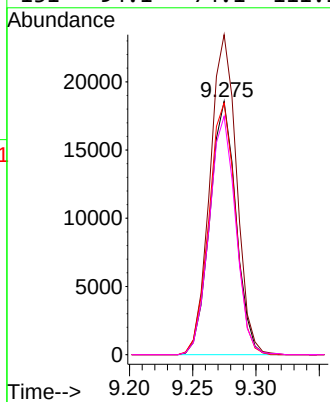
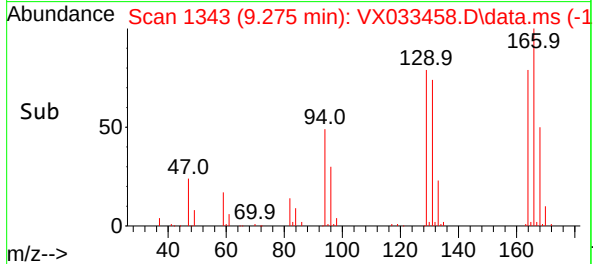
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



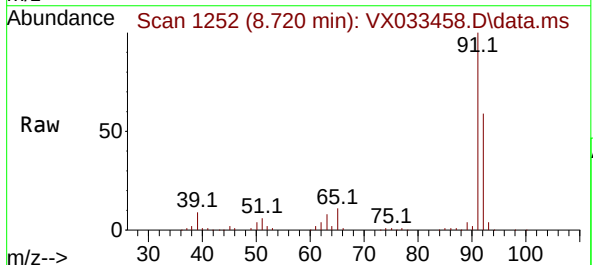
Tgt Ion:164 Resp: 26570
Ion Ratio Lower Upper
164 100
166 126.4 103.3 154.9
129 99.4 78.3 117.5
131 94.1 74.1 111.1

Manual Integrations
APPROVED

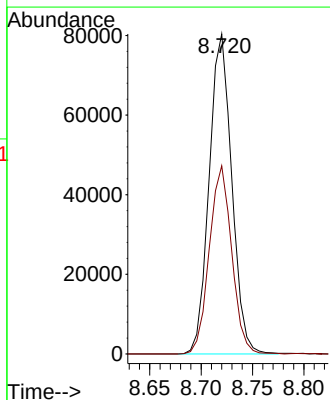
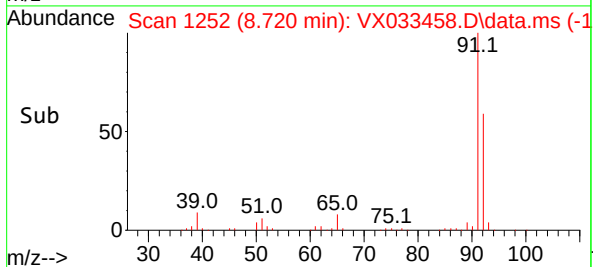
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

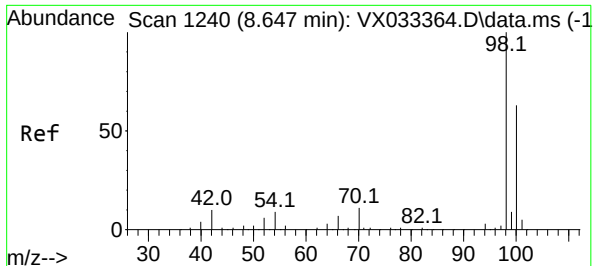


#62
Toluene
Concen: 19.831 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



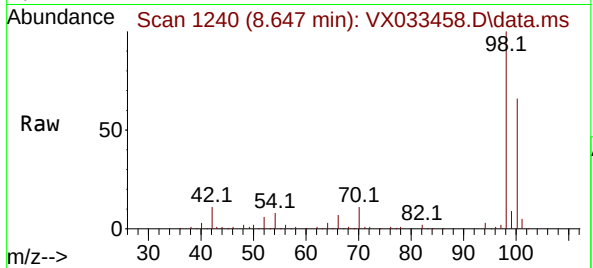
Tgt Ion: 91 Resp: 122981
Ion Ratio Lower Upper
91 100
92 58.2 46.2 69.2





#63
Toluene-d8
Concen: 29.531 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

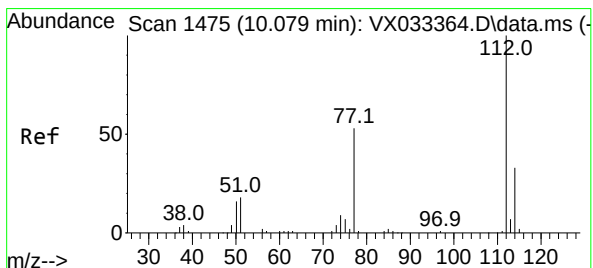
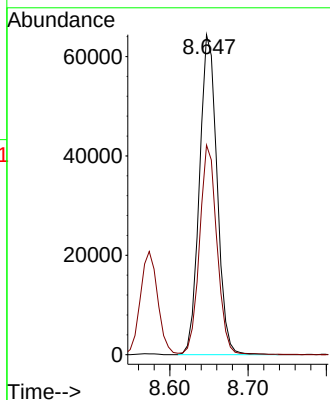
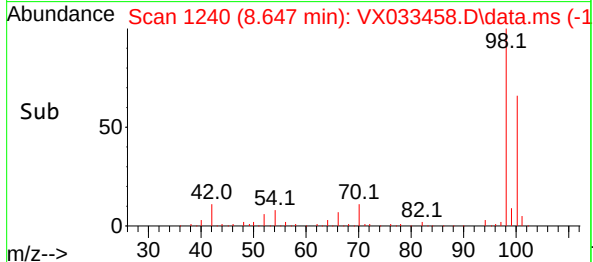
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



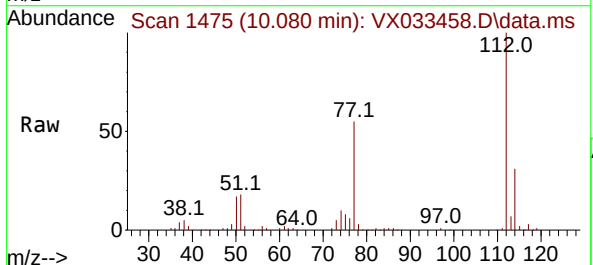
Tgt Ion: 98 Resp: 100360
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2

Manual Integrations
APPROVED

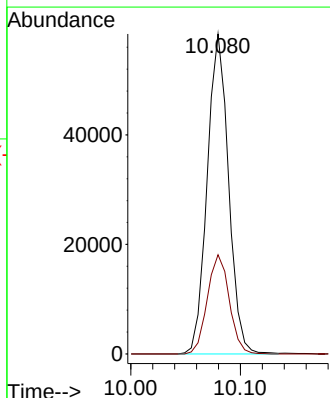
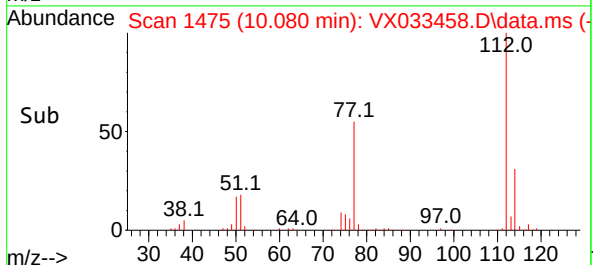
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

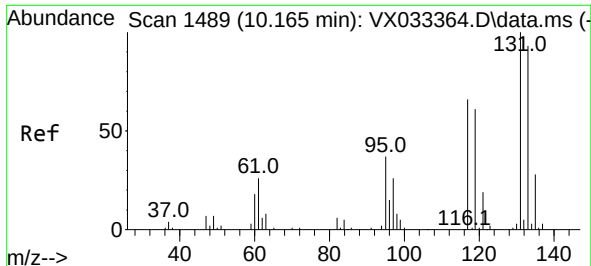


#64
Chlorobenzene
Concen: 20.142 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



Tgt Ion:112 Resp: 79018
Ion Ratio Lower Upper
112 100
114 31.0 26.2 39.2





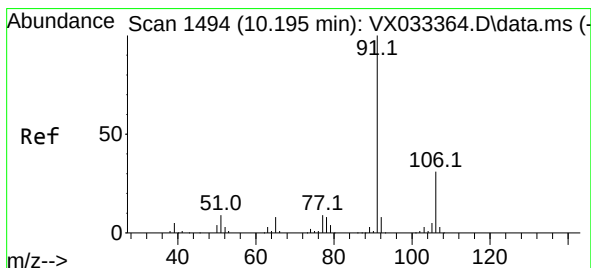
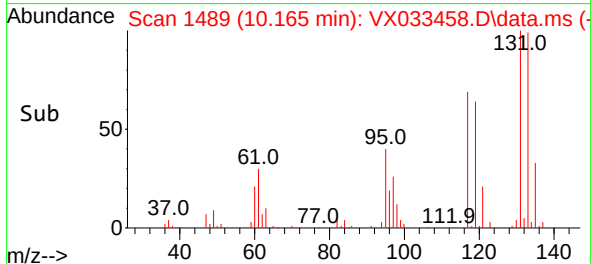
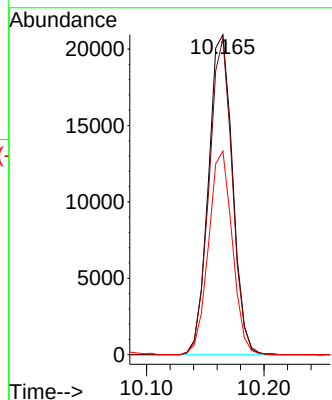
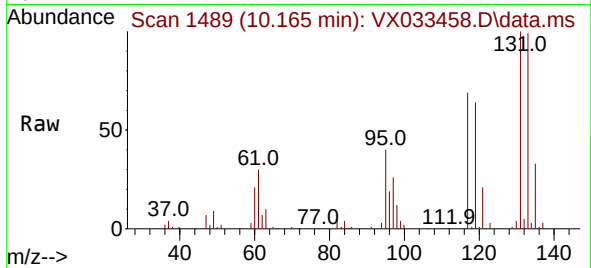
#65
1,1,1,2-Tetrachloroethane
Concen: 19.294 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 2989
Ion Ratio Lower Upper
131 100
133 95.3 0.0 187.6
119 62.7 0.0 124.2

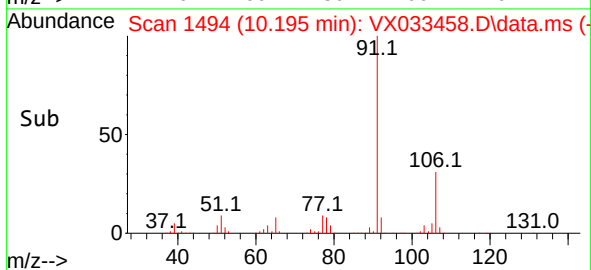
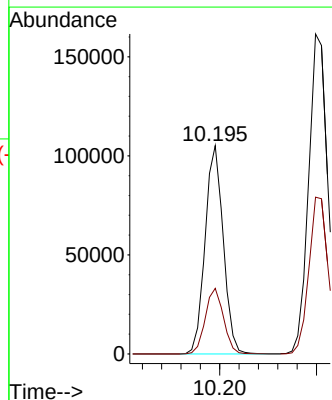
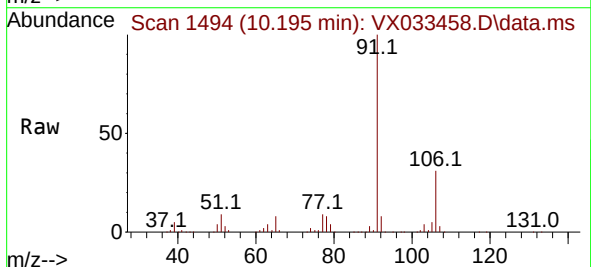
Manual Integrations
APPROVED

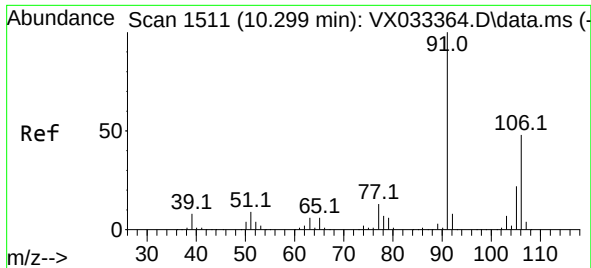
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#66
Ethyl Benzene
Concen: 19.708 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 91 Resp: 137720
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2





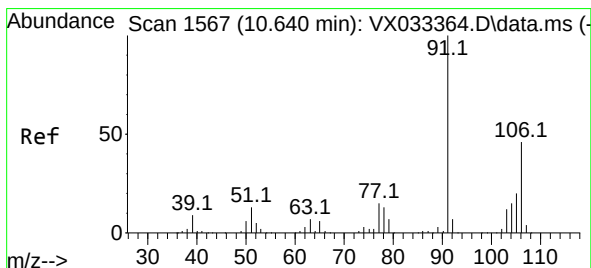
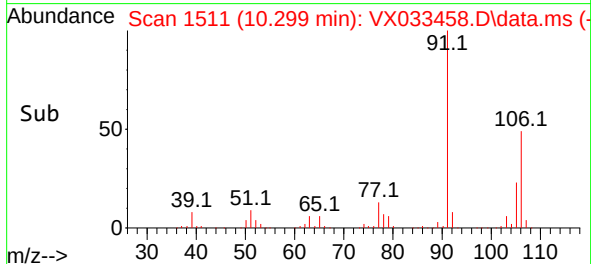
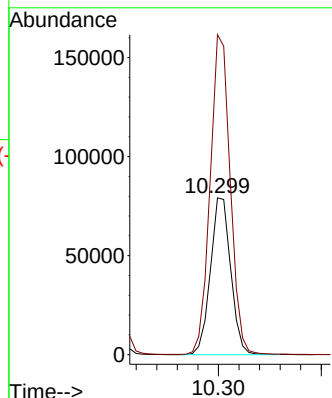
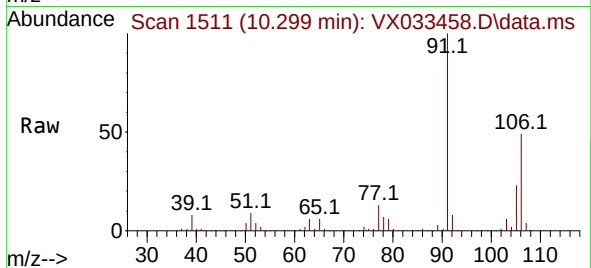
#67
m/p-Xylenes
Concen: 39.877 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 10892
Ion Ratio Lower Upper
106 100
91 201.0 165.4 248.2

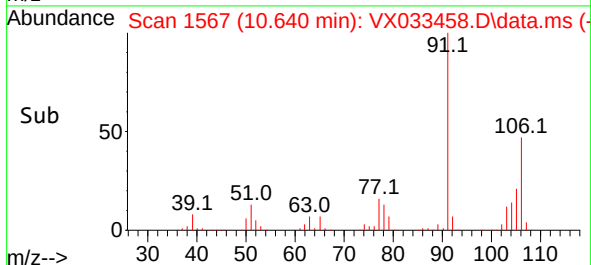
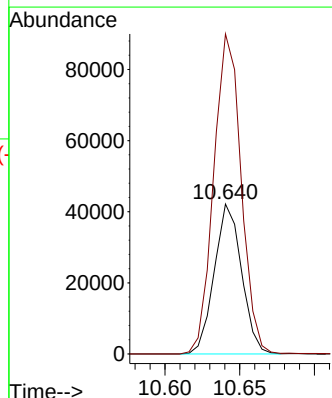
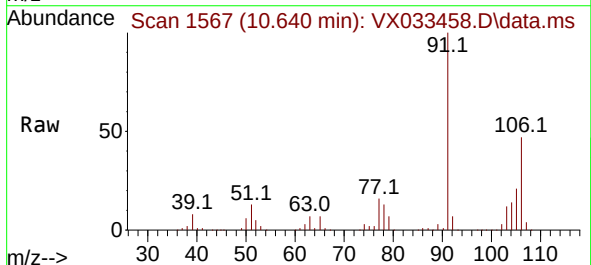
Manual Integrations
APPROVED

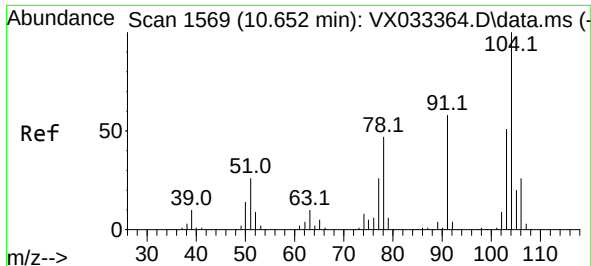
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#68
o-Xylene
Concen: 20.094 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion:106 Resp: 53477
Ion Ratio Lower Upper
106 100
91 214.7 108.0 324.0





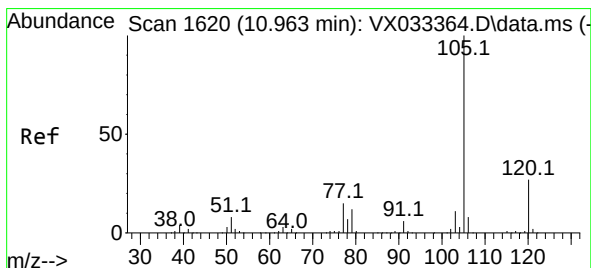
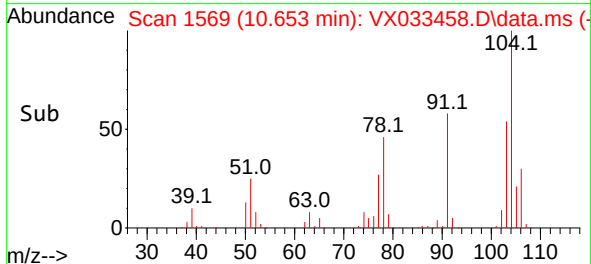
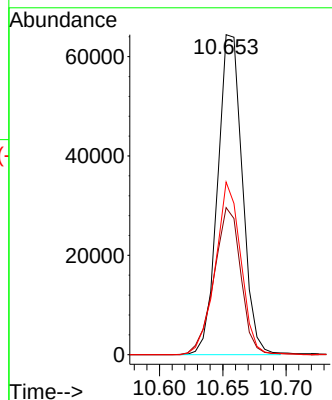
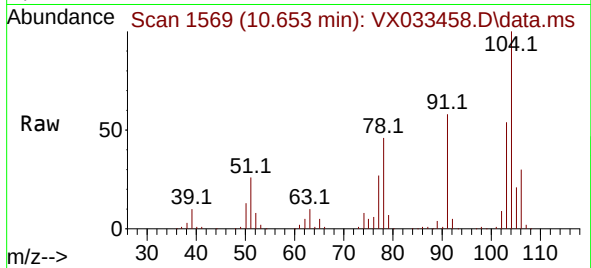
#69
Styrene
Concen: 19.768 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 8740
Ion Ratio Lower Upper
104 100
78 50.1 40.0 60.0
103 55.8 43.9 65.9

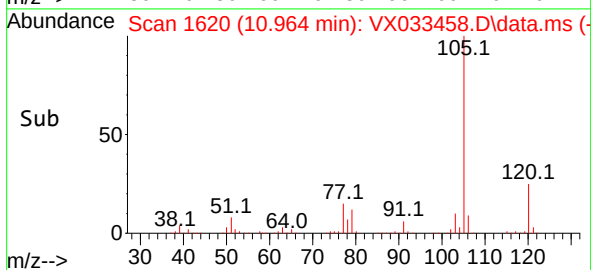
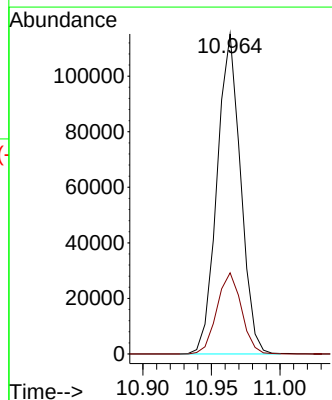
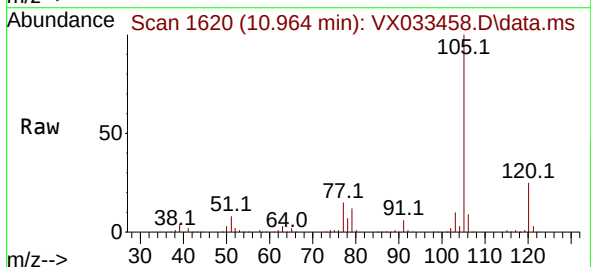
Manual Integrations
APPROVED

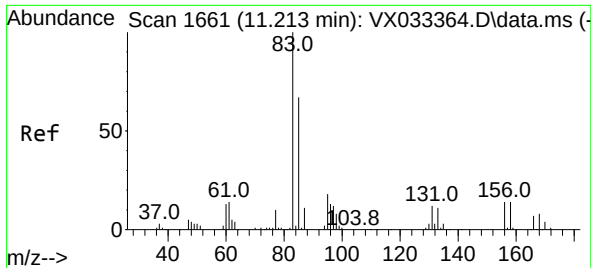
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#70
Isopropylbenzene
Concen: 19.494 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

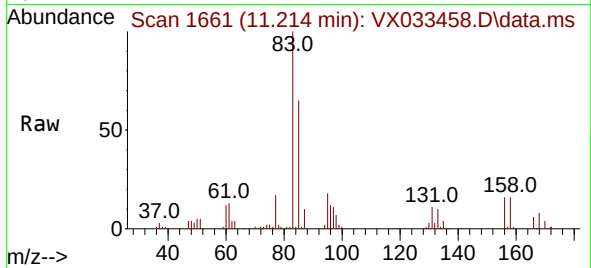
Tgt Ion:105 Resp: 137674
Ion Ratio Lower Upper
105 100
120 26.3 18.1 33.7





#71
1,1,2,2-Tetrachloroethane
Concen: 21.505 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

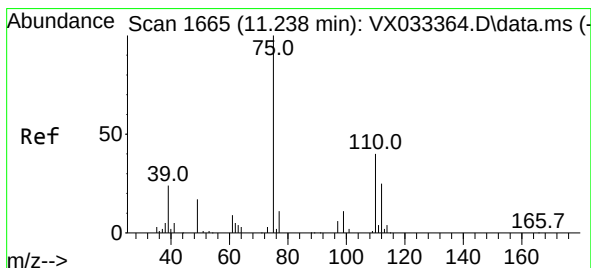
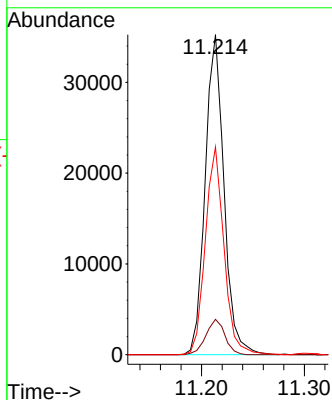
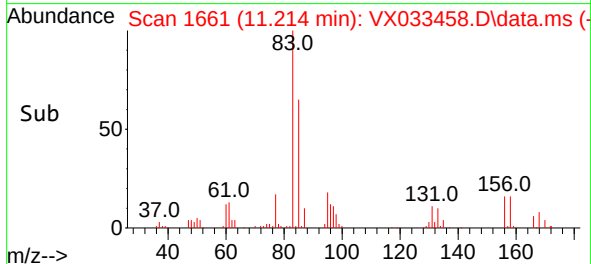
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 44917
Ion Ratio Lower Upper
83 100
131 11.2 5.4 16.2
85 64.5 32.6 97.7

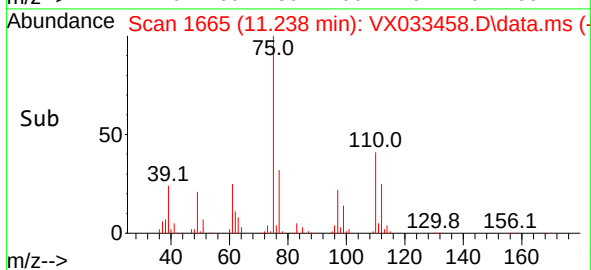
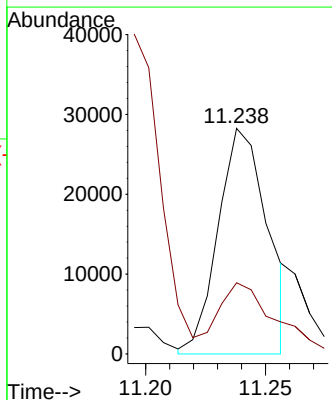
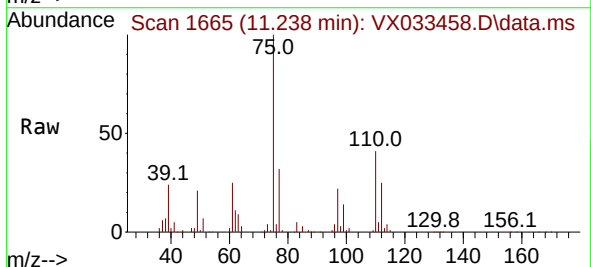
Manual Integrations
APPROVED

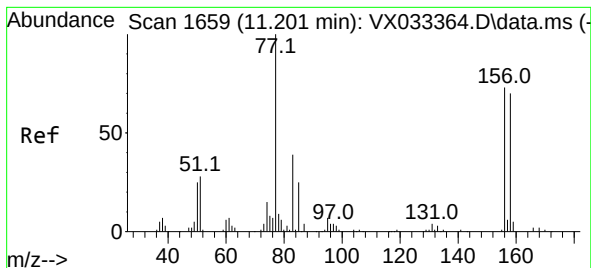
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#72
1,2,3-Trichloropropane
Concen: 21.681 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion: 75 Resp: 40326
Ion Ratio Lower Upper
75 100
77 37.1 0.0 74.4





#73

Bromobenzene

Concen: 20.200 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

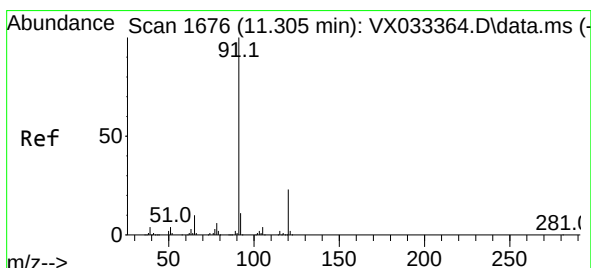
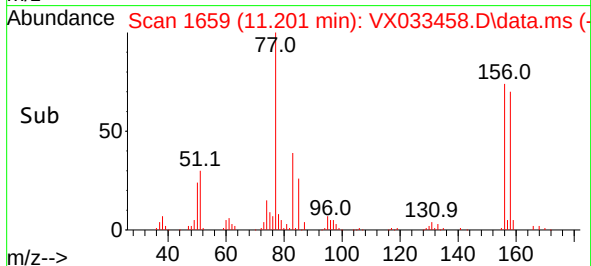
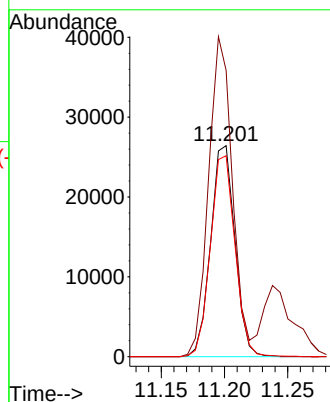
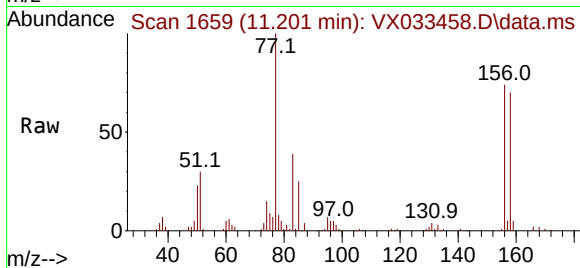
Tgt Ion:	156	Resp:	3529
Ion Ratio	Lower	Upper	
156	100		
77	148.0	0.0	298.6
158	96.7	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#74

n-propylbenzene

Concen: 19.361 ug/l

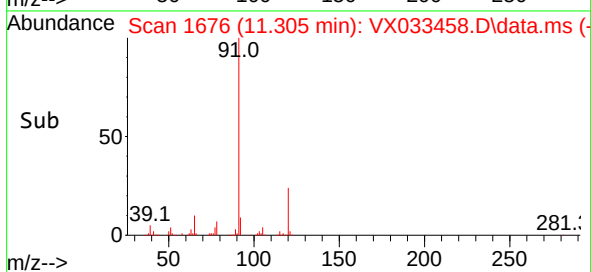
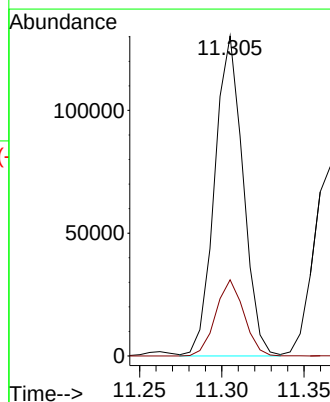
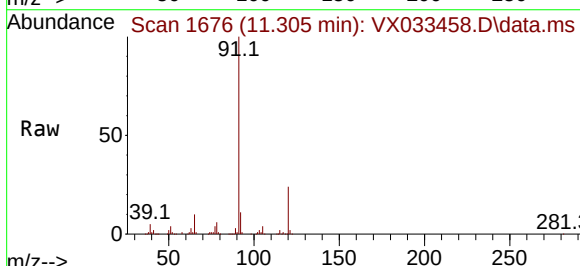
RT: 11.305 min Scan# 1676

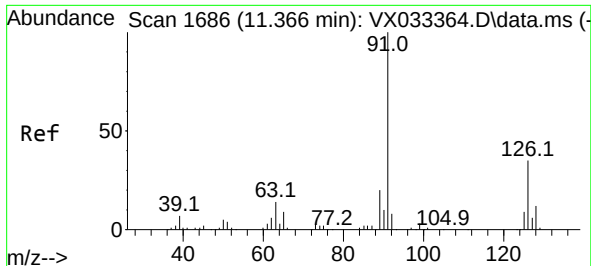
Delta R.T. 0.000 min

Lab File: VX033458.D

Acq: 16 Dec 2022 13:59

Tgt Ion:	91	Resp:	156689
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	46.4





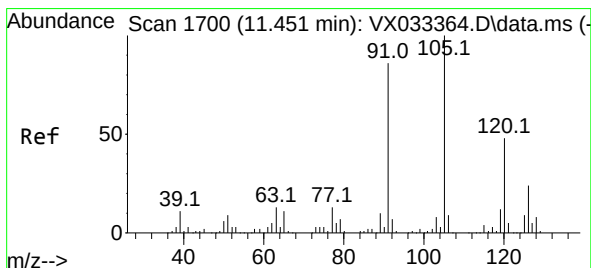
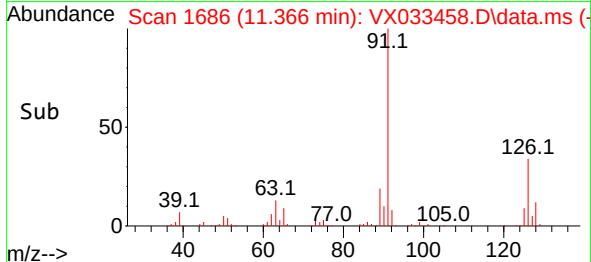
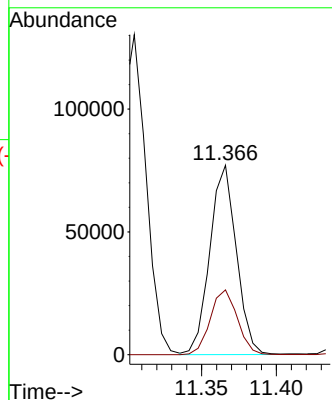
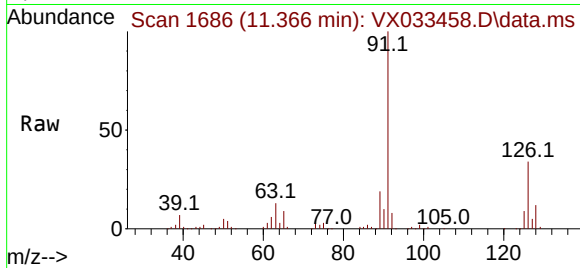
#75
2-Chlorotoluene
Concen: 19.591 ug/l
RT: 11.366 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 95304
Ion Ratio Lower Upper
91 100
126 34.9 0.0 68.6

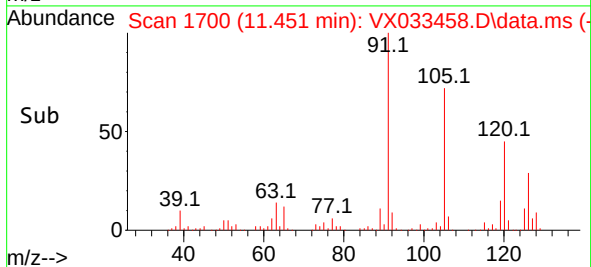
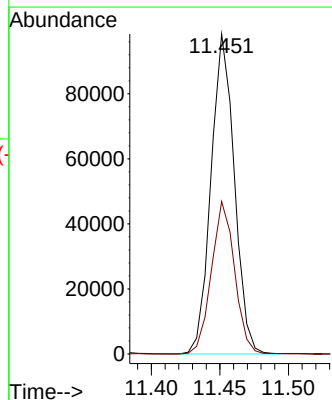
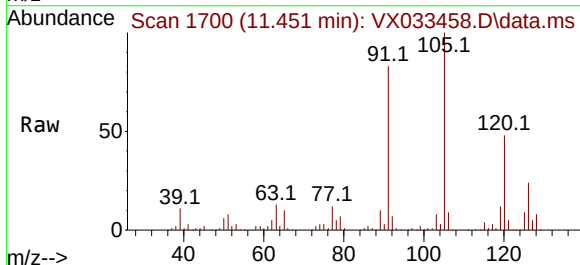
Manual Integrations
APPROVED

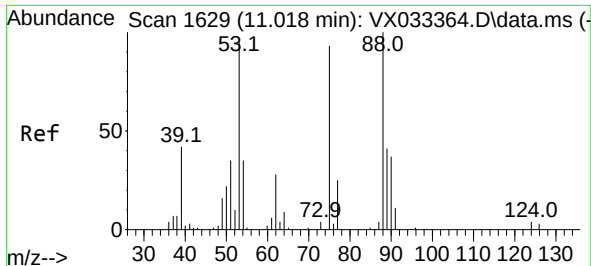
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#76
1,3,5-Trimethylbenzene
Concen: 19.635 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion:105 Resp: 116578
Ion Ratio Lower Upper
105 100
120 47.3 0.0 96.2





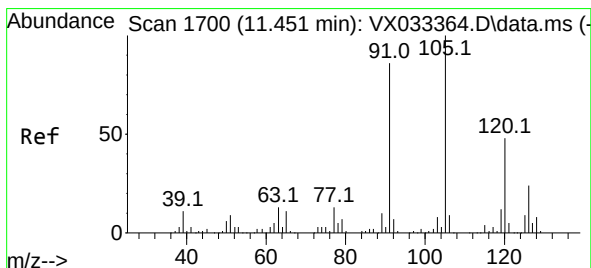
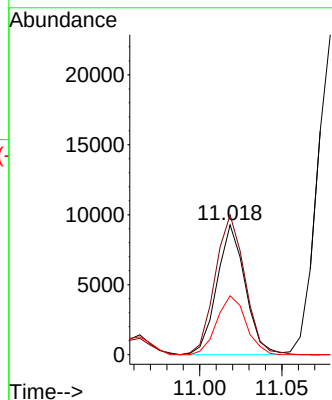
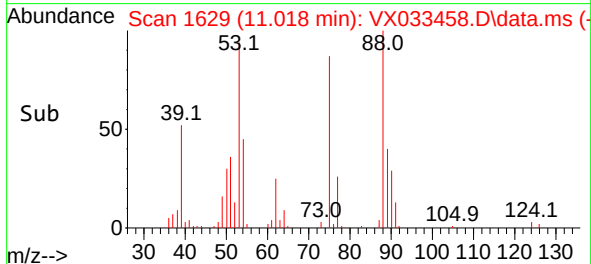
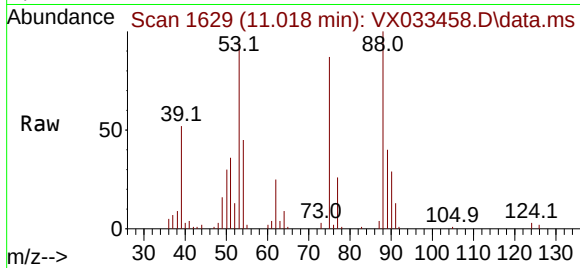
#77
t-1,4-Dichloro-2-butene
Concen: 17.956 ug/l
RT: 11.018 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 1110
Ion Ratio Lower Upper
75 100
53 107.6 51.4 154.3
89 45.4 22.2 66.6

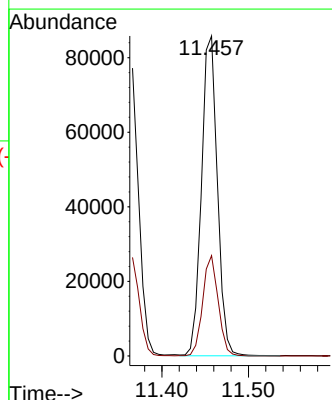
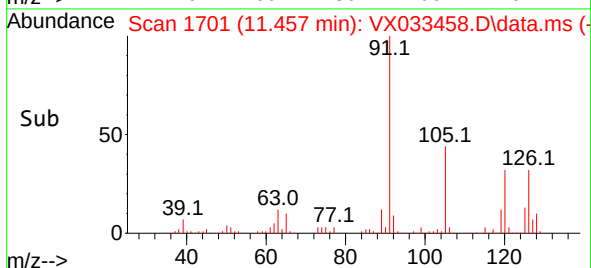
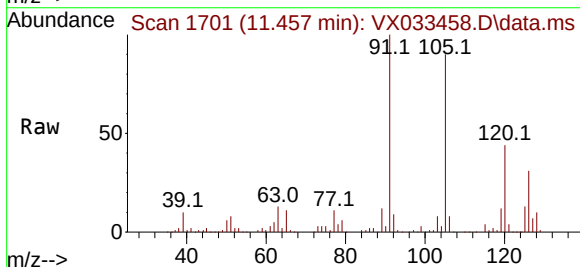
Manual Integrations
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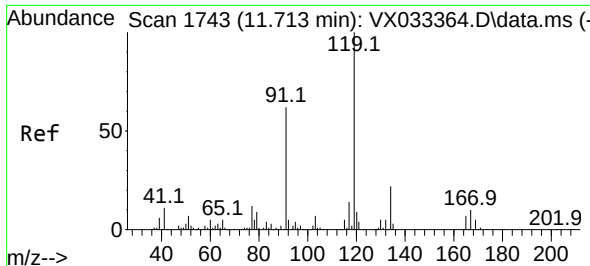
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#78
4-Chlorotoluene
Concen: 19.616 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

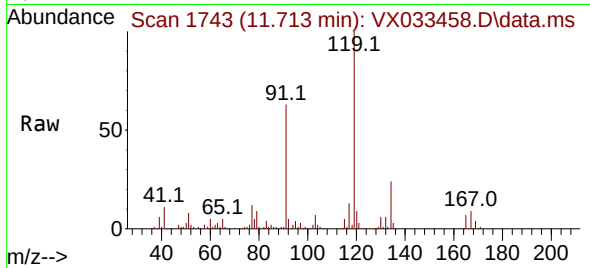
Tgt Ion: 91 Resp: 109352
Ion Ratio Lower Upper
91 100
126 30.5 0.0 59.4





#79
tert-butylbenzene
Concen: 19.086 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

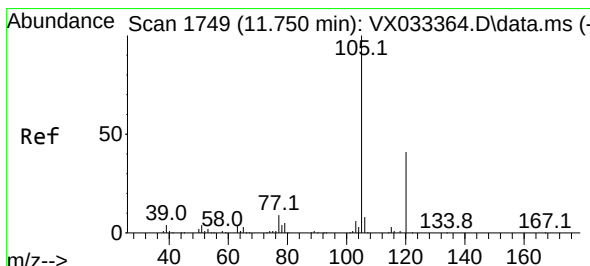
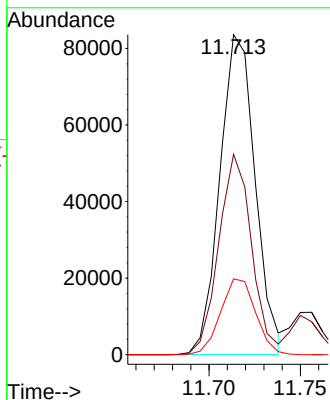
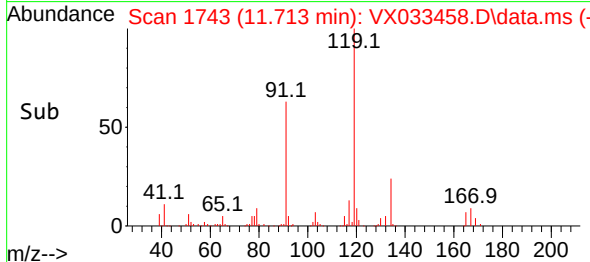
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



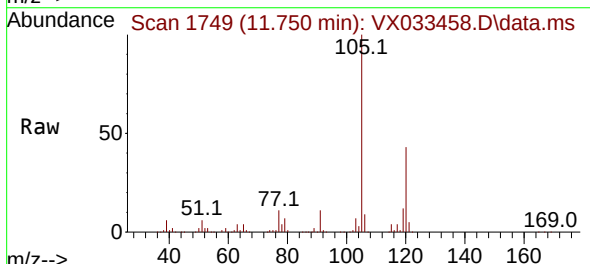
Tgt Ion:119 Resp: 11233
Ion Ratio Lower Upper
119 100
91 58.5 0.0 117.0
134 23.6 0.0 44.4

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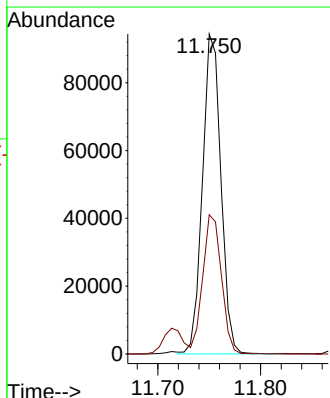
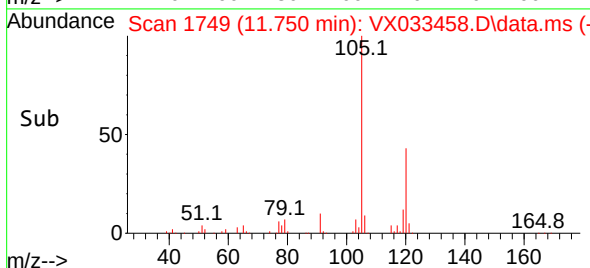
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

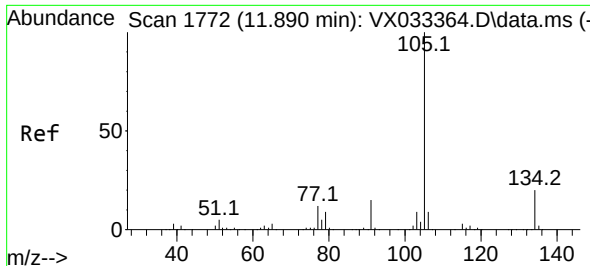


#80
1,2,4-Trimethylbenzene
Concen: 20.180 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



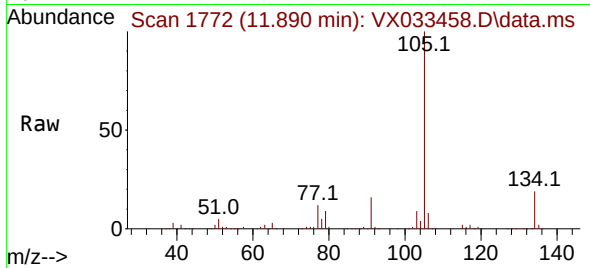
Tgt Ion:105 Resp: 117772
Ion Ratio Lower Upper
105 100
120 43.9 0.0 86.8





#81
 sec-Butylbenzene
 Concen: 19.236 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033458.D
 Acq: 16 Dec 2022 13:59

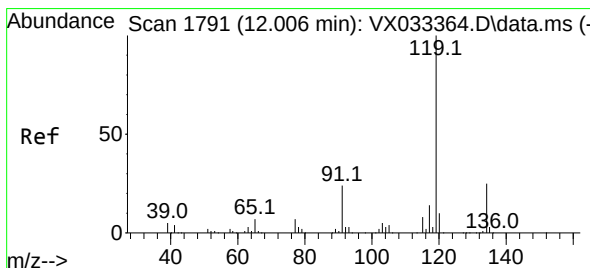
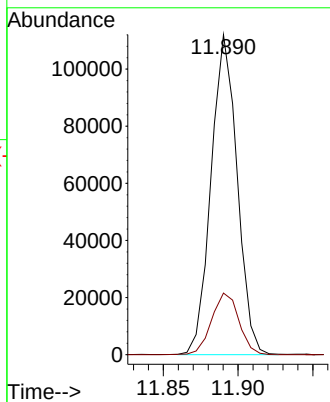
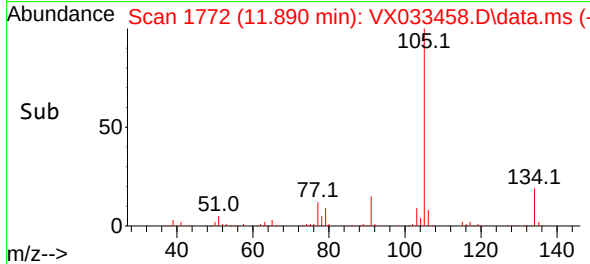
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC



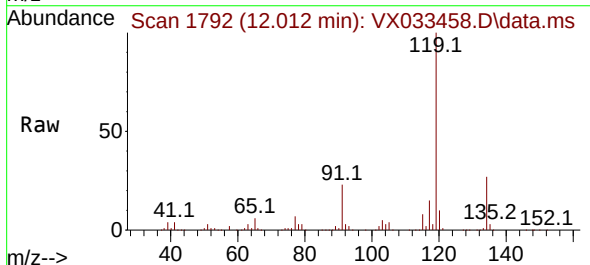
Tgt Ion:105 Resp: 13607
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.8

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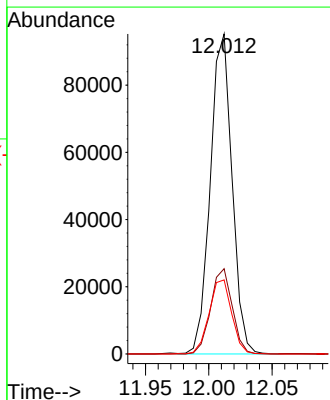
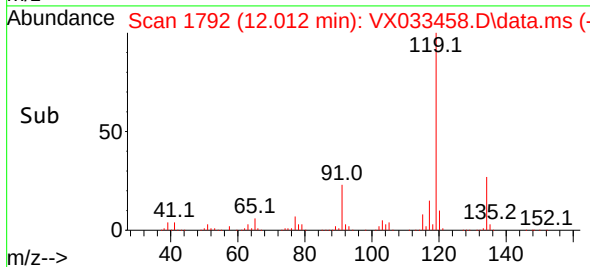
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

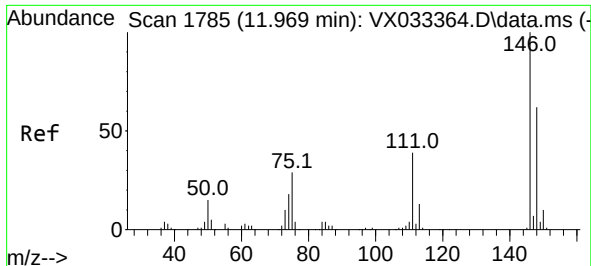


#82
 p-Isopropyltoluene
 Concen: 18.903 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX033458.D
 Acq: 16 Dec 2022 13:59



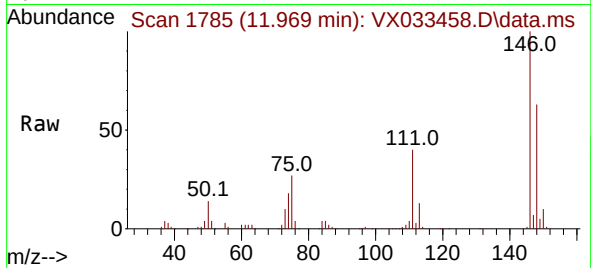
Tgt Ion:119 Resp: 114033
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.6
 91 24.0 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 19.943 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

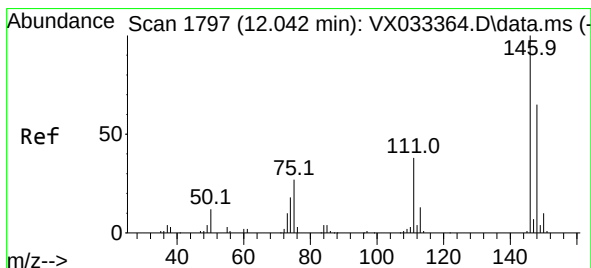
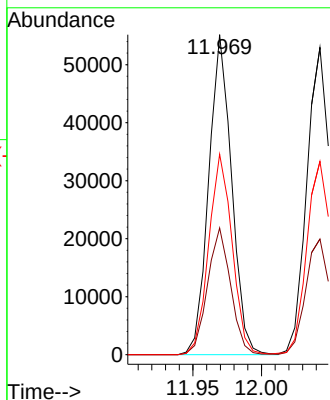
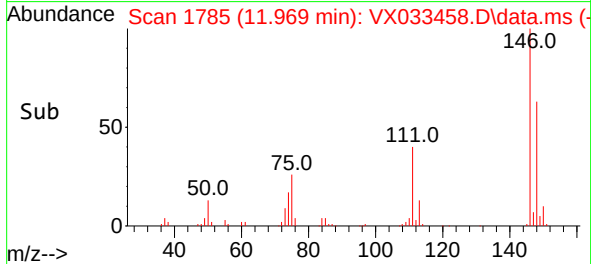
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



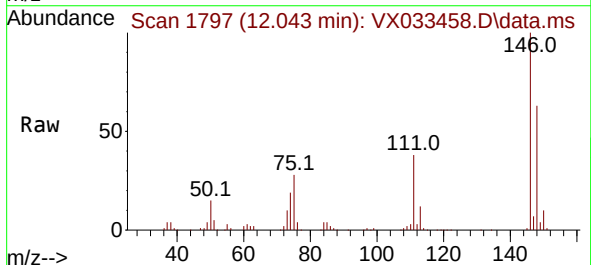
Tgt Ion:146 Resp: 64139
Ion Ratio Lower Upper
146 100
111 40.0 20.1 60.3
148 64.0 31.3 93.9

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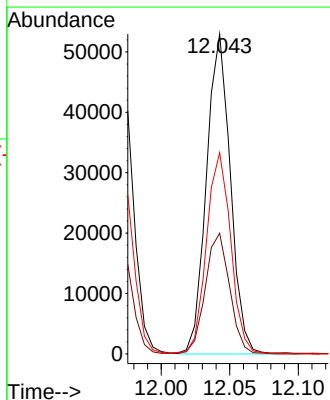
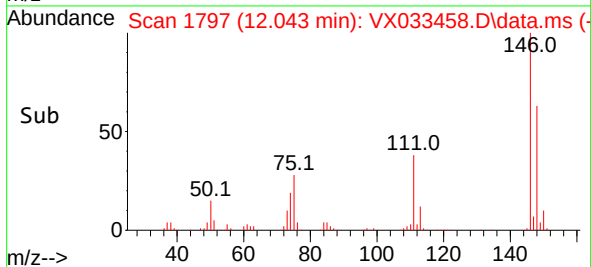
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

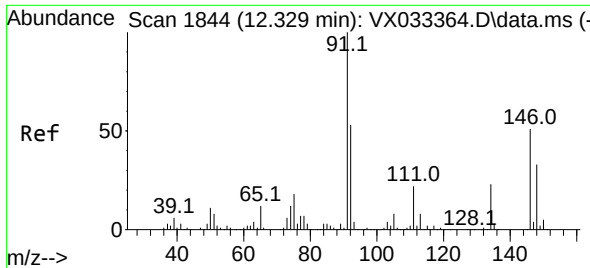


#84
1,4-Dichlorobenzene
Concen: 19.875 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



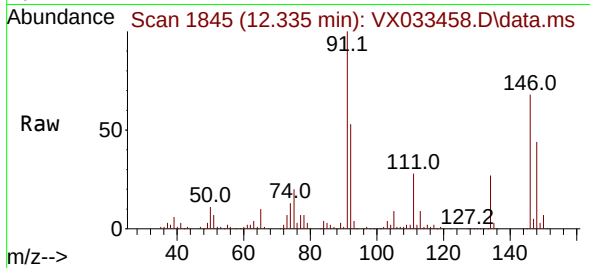
Tgt Ion:146 Resp: 64338
Ion Ratio Lower Upper
146 100
111 38.3 19.1 57.1
148 63.2 32.2 96.6





#85
n-Butylbenzene
Concen: 18.535 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

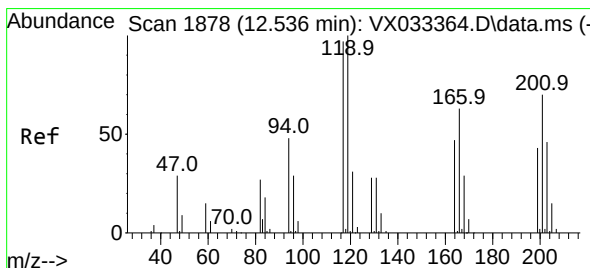
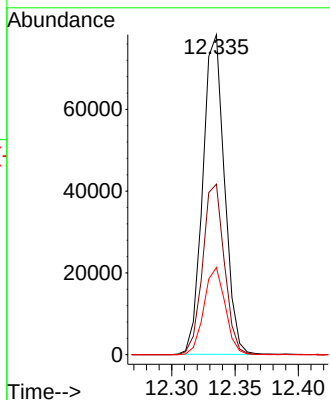
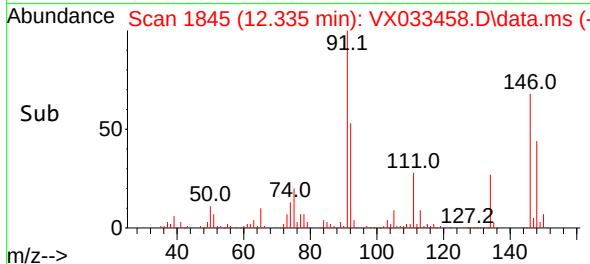
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 9333
Ion Ratio Lower Upper
91 100
92 53.6 0.0 106.8
134 26.8 0.0 51.8

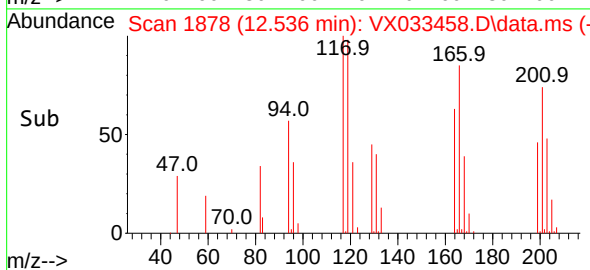
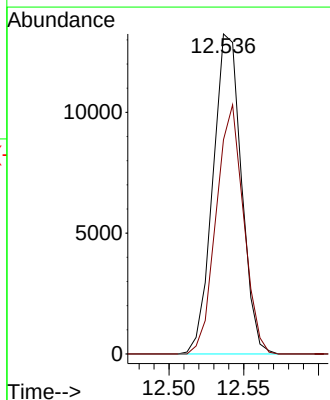
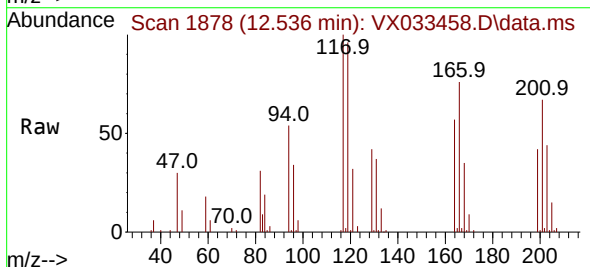
Manual Integrations
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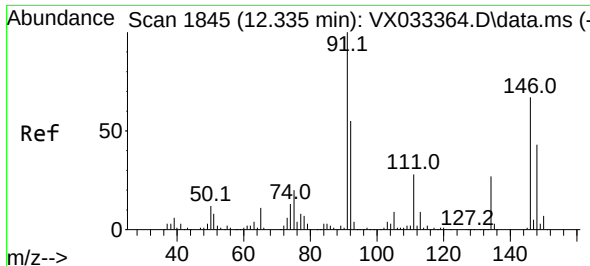
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#86
Hexachloroethane
Concen: 16.366 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

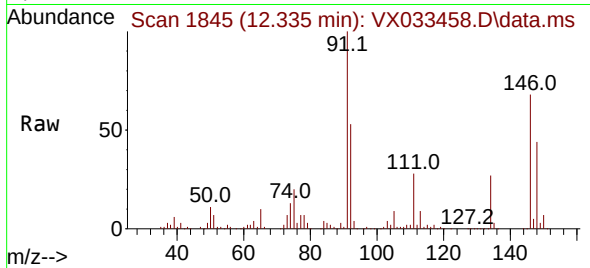
Tgt Ion:117 Resp: 17524
Ion Ratio Lower Upper
117 100
201 75.0 40.4 121.2





#87
1,2-Dichlorobenzene
Concen: 20.337 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

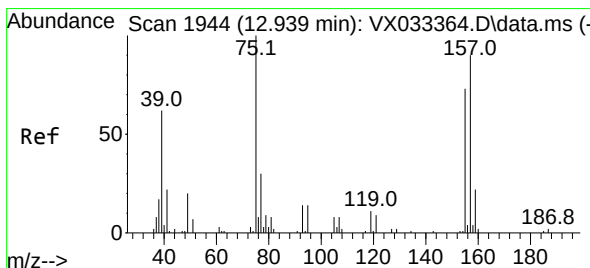
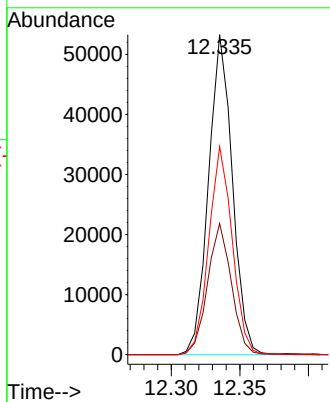
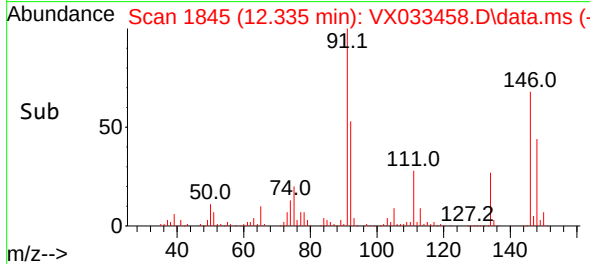
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



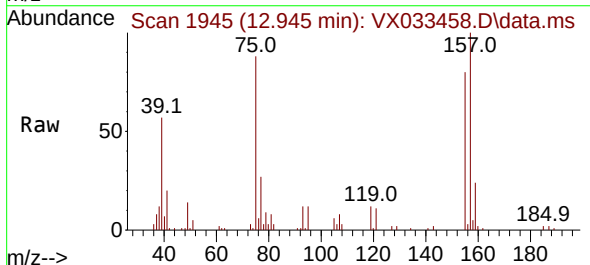
Tgt Ion:146 Resp: 6445
Ion Ratio Lower Upper
146 100
111 40.9 20.9 62.8
148 64.1 31.9 95.5

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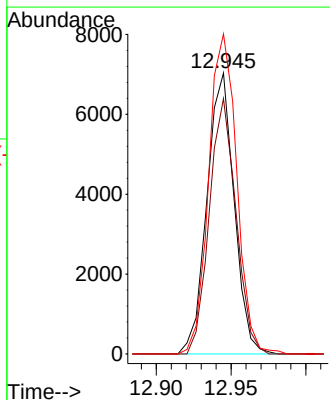
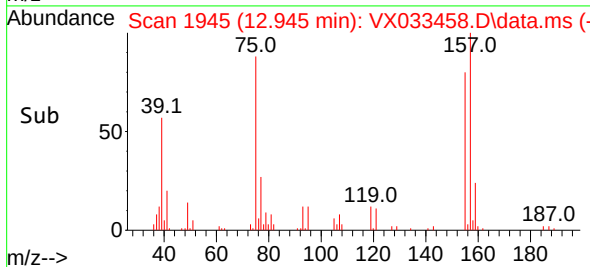
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

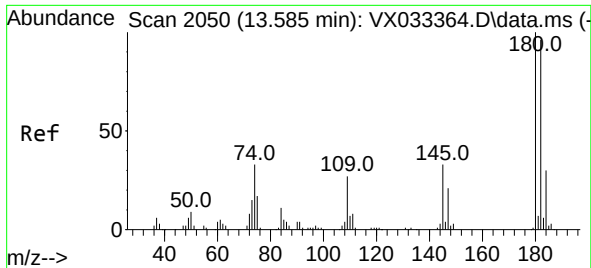


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.507 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



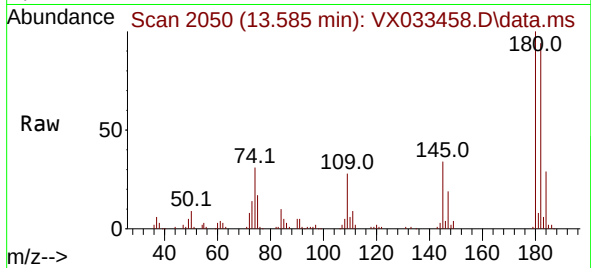
Tgt Ion: 75 Resp: 8877
Ion Ratio Lower Upper
75 100
155 89.0 69.6 104.4
157 117.3 84.8 127.2





#89
1,2,4-Trichlorobenzene
Concen: 19.514 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

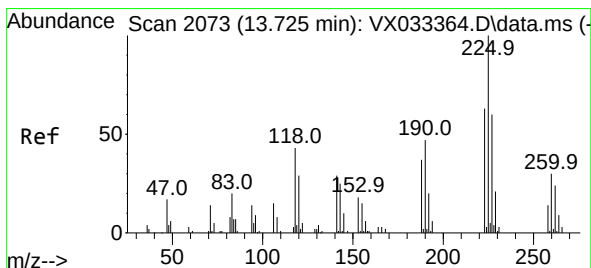
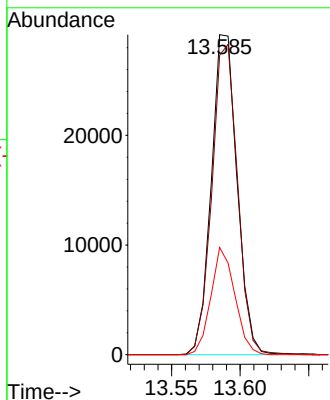
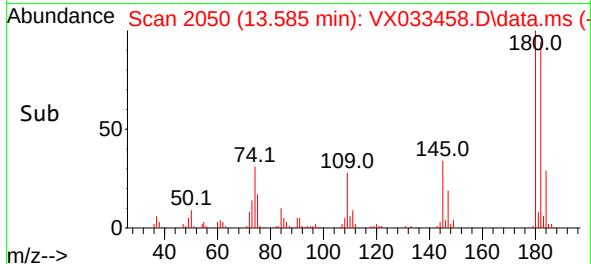
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



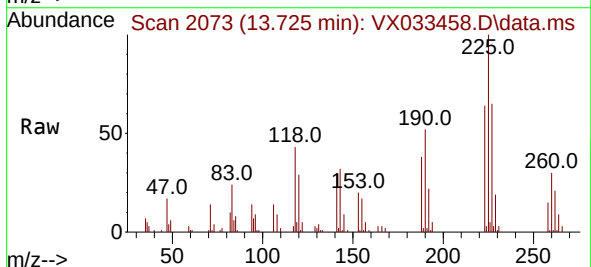
Tgt Ion:180 Resp: 3820
Ion Ratio Lower Upper
180 100
182 96.3 78.4 117.6
145 31.2 25.4 38.2

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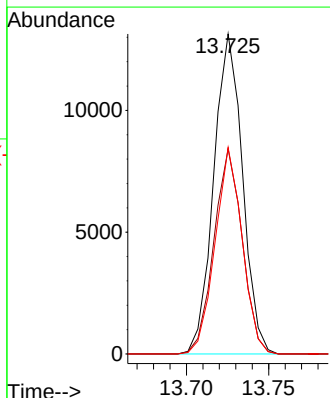
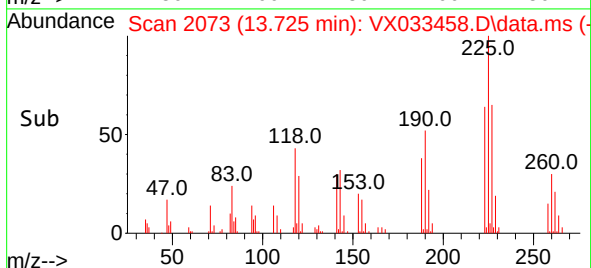
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

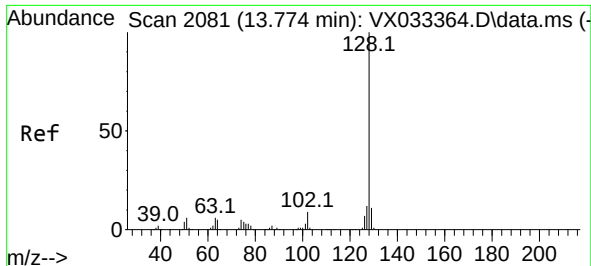


#90
Hexachlorobutadiene
Concen: 19.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59



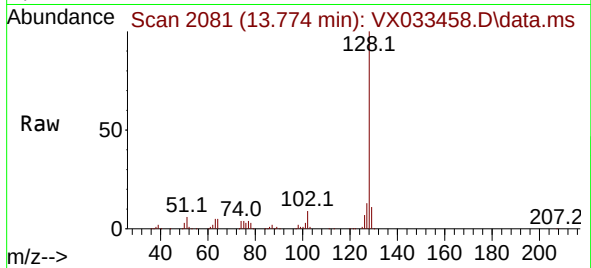
Tgt Ion:225 Resp: 15986
Ion Ratio Lower Upper
225 100
223 62.9 0.0 125.6
227 60.7 0.0 125.4





#91
Naphthalene
Concen: 21.189 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

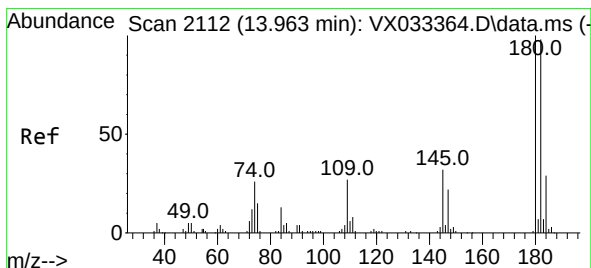
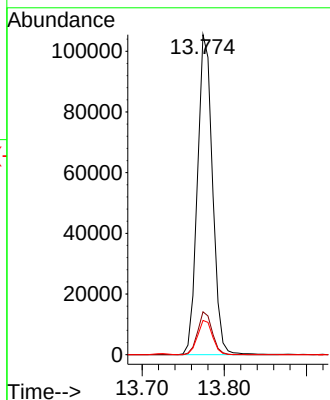
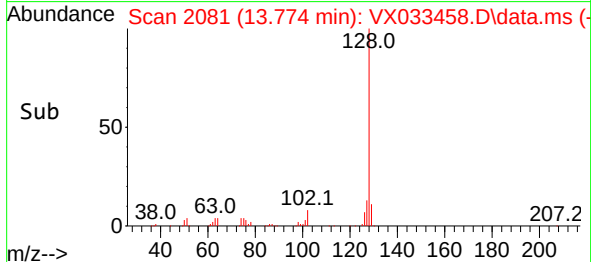
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 134240
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.6 8.8 13.2

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



#92
1,2,3-Trichlorobenzene
Concen: 19.840 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033458.D
Acq: 16 Dec 2022 13:59

Tgt Ion:180 Resp: 38896
Ion Ratio Lower Upper
180 100
182 93.7 0.0 194.2
145 33.9 0.0 68.0

