

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041533.D
 Acq On : 15 May 2024 12:20
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

Quant Time: May 16 04:57:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 04:55:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	29944	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	170034	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	157112	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	70094	29.725	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.100%		
60) 4-Bromofluorobenzene	11.079	95	68944	28.110	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.700%		
63) Toluene-d8	8.647	98	201664	29.944	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74183	47.365	ug/l	100
3) Chloromethane	1.294	50	78527	45.786	ug/l	99
4) Vinyl Chloride	1.374	62	85193	47.180	ug/l	97
5) Bromomethane	1.599	94	55020	47.906	ug/l	94
6) Chloroethane	1.666	64	42036m	46.865	ug/l	
7) Trichlorofluoromethane	1.867	101	128155	46.758	ug/l	96
8) Diethyl Ether	2.136	74	49197	48.065	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	68677	43.209	ug/l	98
10) 1,1-Dichloroethene	2.306	96	68008	44.391	ug/l	94
11) Methyl Iodide	2.447	142	84508	46.313	ug/l	98
12) Methyl Acetate	2.709	43	95772	41.524	ug/l	96
13) Acrolein	2.239	56	66206	235.699	ug/l	98
14) Acrylonitrile	3.068	53	242777	239.322	ug/l	100
15) Acetone	2.392	58	58181	214.058	ug/l	97
16) Carbon Disulfide	2.501	76	152819	44.180	ug/l	98
17) Allyl chloride	2.660	41	117073	43.061	ug/l	99
18) Methylene Chloride	2.788	84	76764	42.129	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	85328	48.571	ug/l	99
20) Diisopropyl ether	3.763	45	279728	48.969	ug/l	96
21) 1,1-Dichloroethane	3.605	63	156436	48.795	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	104485	48.945	ug/l	98
23) tert-Butyl Alcohol	3.014	59	92406	211.540	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	279602	48.884	ug/l	99
25) Chloroform	5.092	83	166237	48.674	ug/l	98
26) Cyclohexane	5.464	56	126968	47.492	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	110483	49.120	ug/l	99
30) 2-Butanone	4.568	43	361408	242.078	ug/l	99
31) 2,2-Dichloropropane	4.471	77	131905	49.968	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	146549	48.558	ug/l	99
33) Carbon Tetrachloride	5.678	117	126399	48.948	ug/l	98
34) Benzene	6.037	78	347873	48.972	ug/l	98
35) Methacrylonitrile	4.928	41	76995	51.125	ug/l	97
36) 1,2-Dichloroethane	6.086	62	129946	49.022	ug/l	100
37) Trichloroethene	7.123	130	96477	48.746	ug/l	98
38) Methylcyclohexane	7.379	83	138277	48.417	ug/l	99
39) 1,2-Dichloropropane	7.427	63	80543	47.966	ug/l	98
40) Dibromomethane	7.580	93	63616	48.138	ug/l	99
41) Bromodichloromethane	7.824	83	122995	49.573	ug/l	100
42) Vinyl Acetate	3.721	43	1291328	249.300	ug/l	99

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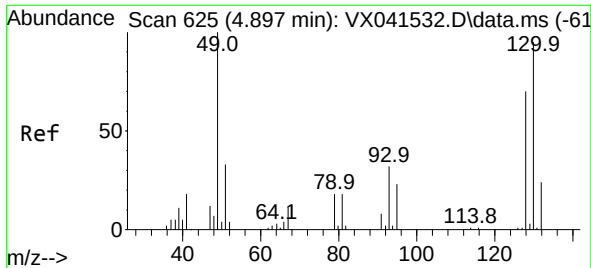
Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

Quant Time: May 16 04:57:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
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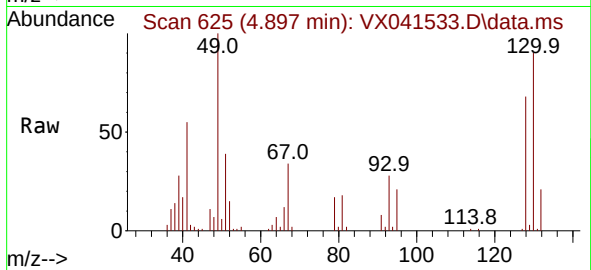
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	137664	47.790	ug/l	99
44) Isopropyl Acetate	6.342	43	213512	49.033	ug/l	100
45) 1,4-Dioxane	7.671	88	46911	1004.552	ug/l	93
46) Methyl methacrylate	7.696	41	107686	49.704	ug/l	98
47) n-amyl Acetate	10.841	43	197007	49.891	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	124680	50.040	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	135458	50.193	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	90391	49.167	ug/l	96
51) Ethyl methacrylate	9.116	69	146947	49.659	ug/l	97
52) 1,3-Dichloropropane	9.311	76	146672	48.281	ug/l	100
53) Dibromochloromethane	9.518	129	104625	50.017	ug/l	99
54) 1,2-Dibromoethane	9.610	107	95295	48.881	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	354399	245.364	ug/l	100
56) Bromoform	10.799	173	84015	50.115	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	681641	237.450	ug/l	99
59) 2-Hexanone	9.433	43	555516	242.912	ug/l	98
61) Tetrachloroethene	9.275	164	95096	49.472	ug/l	94
62) Toluene	8.720	91	384326	49.161	ug/l	100
64) Chlorobenzene	10.079	112	261680	49.279	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	92925	49.442	ug/l	99
66) Ethyl Benzene	10.195	91	433267	49.910	ug/l	99
67) m/p-Xylenes	10.299	106	346498	102.074	ug/l	100
68) o-Xylene	10.640	106	169632	49.644	ug/l	99
69) Styrene	10.652	104	287497	50.181	ug/l	99
70) Isopropylbenzene	10.963	105	400665	46.404	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	146819	49.499	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	135823m	51.904	ug/l	
73) Bromobenzene	11.195	156	124788	49.187	ug/l	99
74) n-propylbenzene	11.305	91	488204	50.144	ug/l	99
75) 2-Chlorotoluene	11.366	91	301905	49.380	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	367916	49.922	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	39682	47.197	ug/l	88
78) 4-Chlorotoluene	11.451	91	345412	49.603	ug/l	98
79) tert-butylbenzene	11.713	119	390381	49.769	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	369773	50.058	ug/l	99
81) sec-Butylbenzene	11.890	105	460759	50.270	ug/l	100
82) p-Isopropyltoluene	12.006	119	407505	50.789	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	224941	49.437	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	228527	49.707	ug/l	99
85) n-Butylbenzene	12.329	91	326168	50.519	ug/l	100
86) Hexachloroethane	12.536	117	67281	49.799	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	228495	49.201	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	32314	49.607	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	159715	51.183	ug/l	99
90) Hexachlorobutadiene	13.725	225	75019	49.278	ug/l	98
91) Naphthalene	13.774	128	483328	51.823	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	152185	47.735	ug/l	100

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

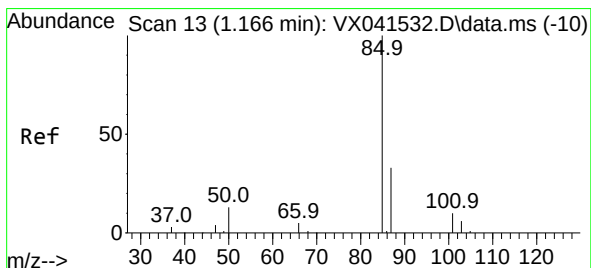
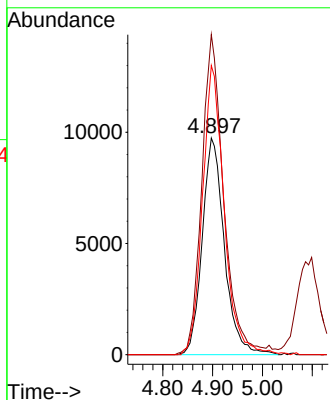
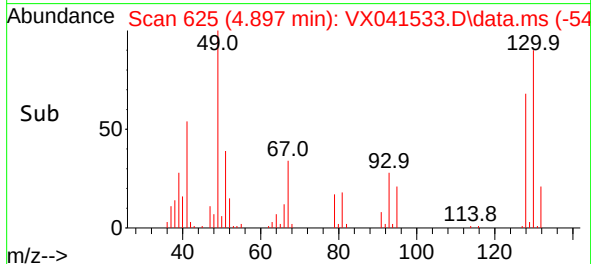
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 29944
Ion Ratio Lower Upper
128 100
49 146.5 0.0 361.5
130 130.3 0.0 324.3

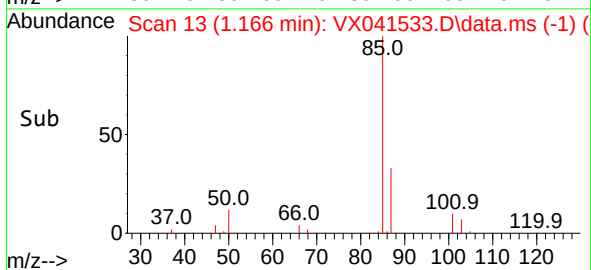
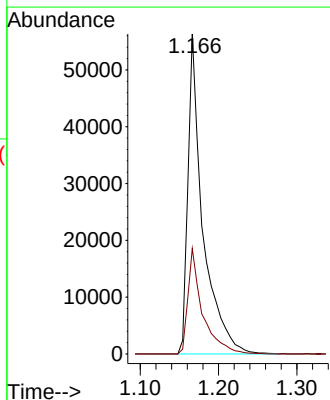
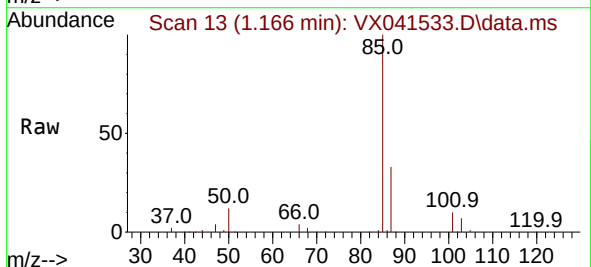
Manual Integrations
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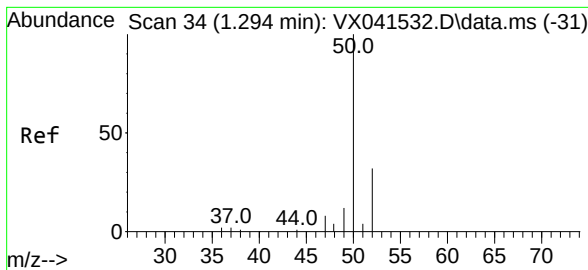
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#2
Dichlorodifluoromethane
Concen: 47.365 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 85 Resp: 74183
Ion Ratio Lower Upper
85 100
87 32.9 16.4 49.1





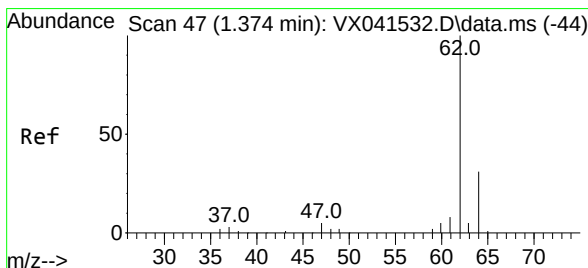
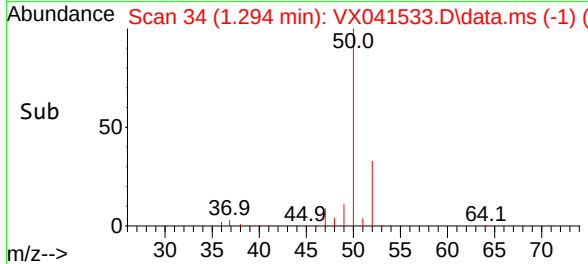
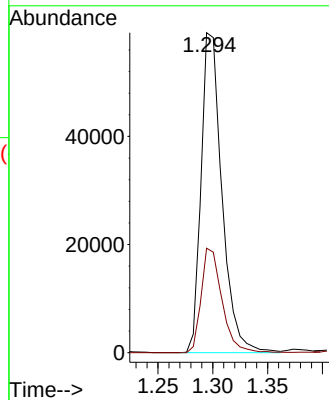
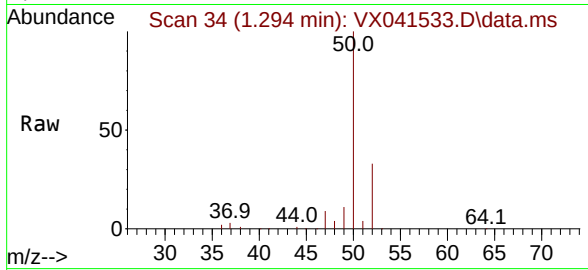
#3
Chloromethane
Concen: 45.786 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 50 Resp: 7852
Ion Ratio Lower Upper
50 100
52 32.7 25.8 38.8

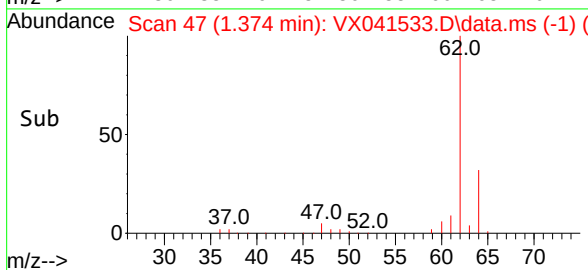
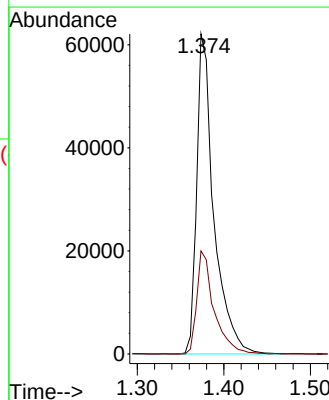
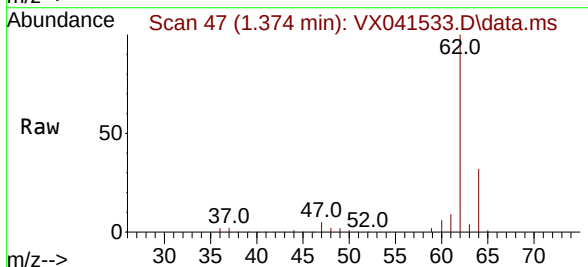
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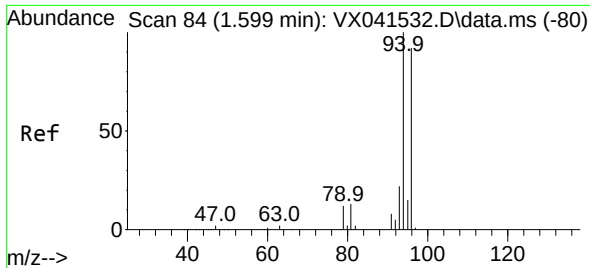
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#4
Vinyl Chloride
Concen: 47.180 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 62 Resp: 85193
Ion Ratio Lower Upper
62 100
64 32.2 24.6 37.0





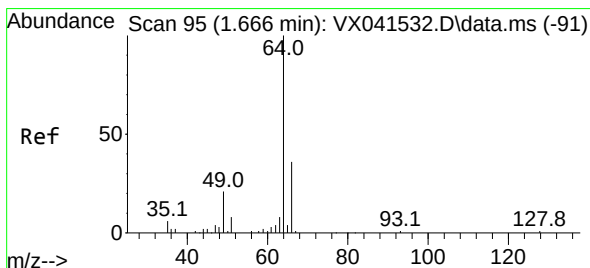
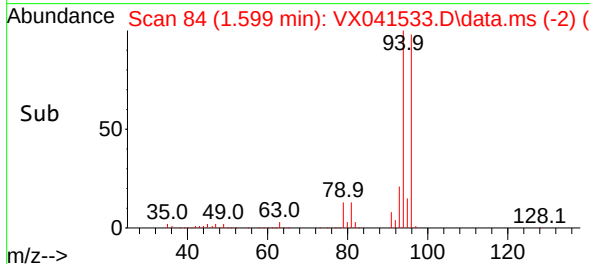
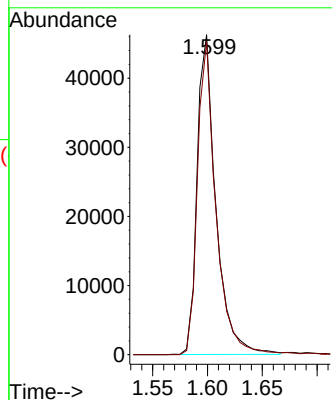
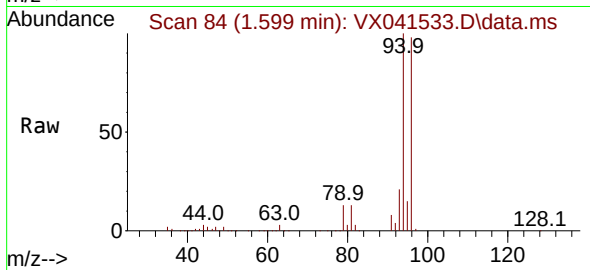
#5
Bromomethane
Concen: 47.906 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 94 Resp: 55020
Ion Ratio Lower Upper
94 100
96 98.0 73.9 110.9

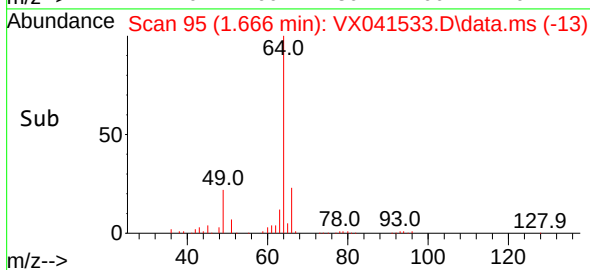
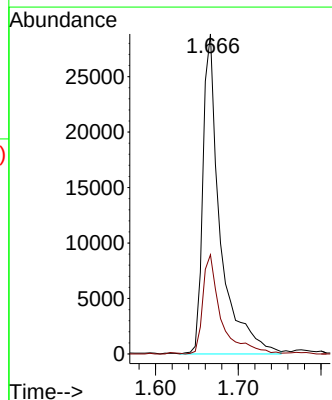
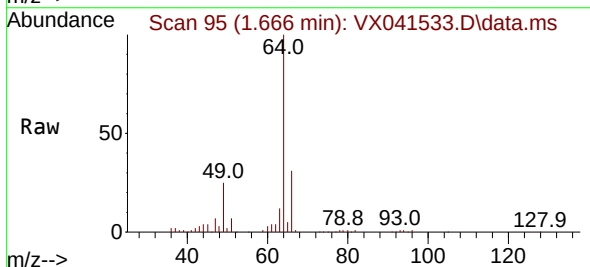
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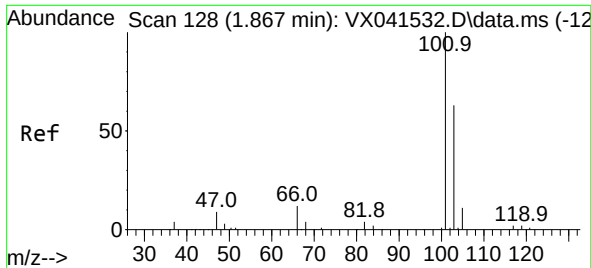
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#6
Chloroethane
Concen: 46.865 ug/l m
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

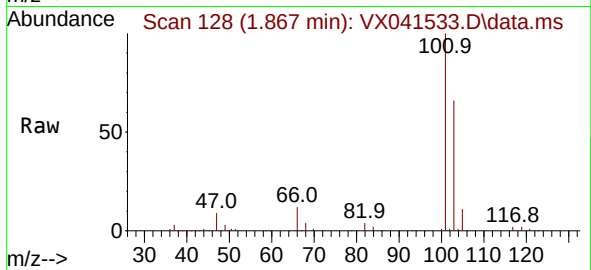
Tgt Ion: 64 Resp: 42036
Ion Ratio Lower Upper
64 100
66 31.0 28.6 42.8





#7
Trichlorofluoromethane
Concen: 46.758 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

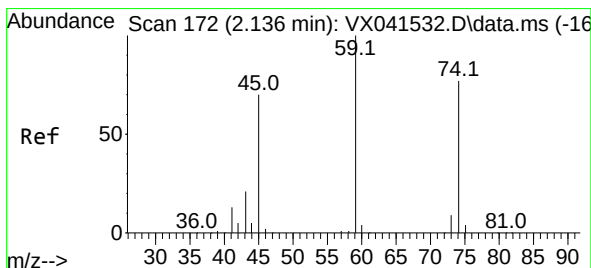
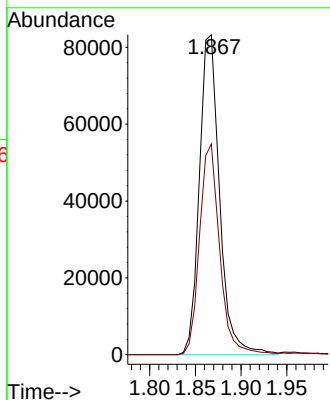
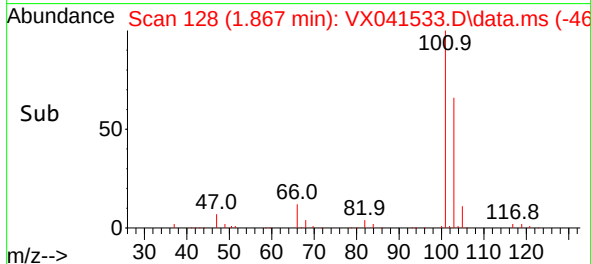
Instrument :
MSVOA_X
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VSTDICC050



Tgt Ion:101 Resp: 12815
Ion Ratio Lower Upper
101 100
103 65.8 50.1 75.1

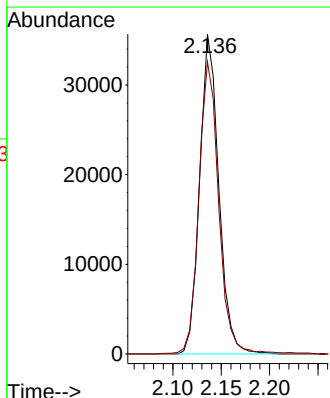
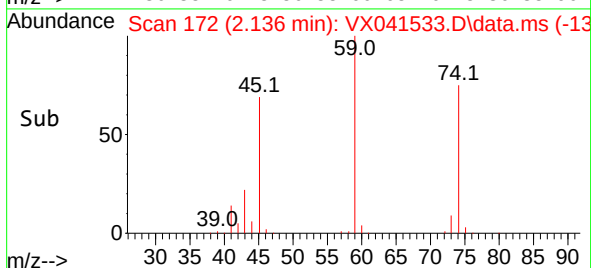
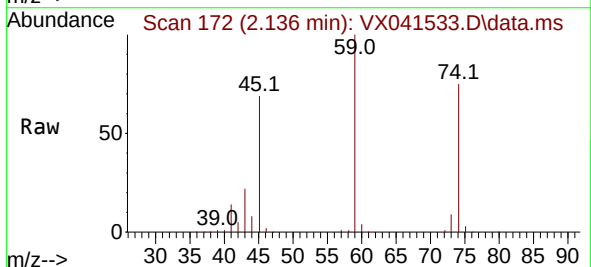
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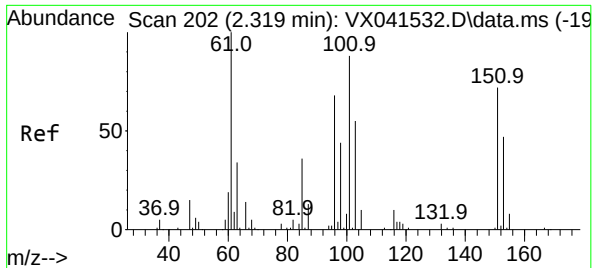
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#8
Diethyl Ether
Concen: 48.065 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 74 Resp: 49197
Ion Ratio Lower Upper
74 100
45 94.0 18.6 167.4





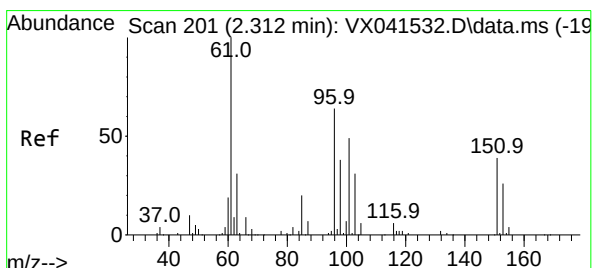
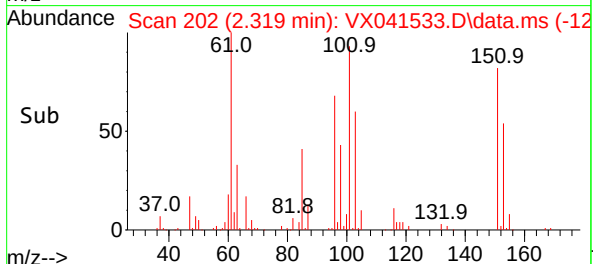
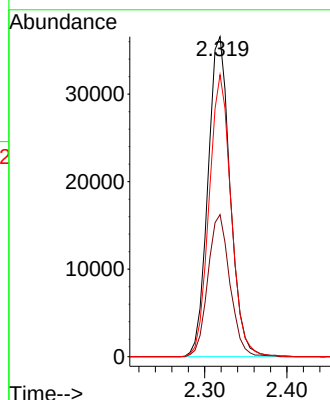
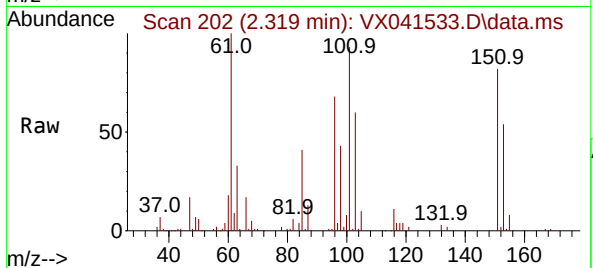
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 1,1,2-Trichlorotrifluoroethane
 Concen: 43.209 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:101 Resp: 6867
 Ion Ratio Lower Upper
 101 100
 85 44.1 0.0 84.6
 151 87.2 0.0 170.2

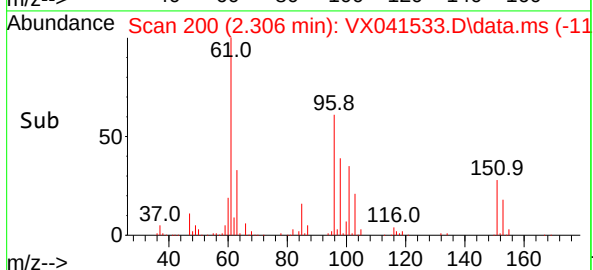
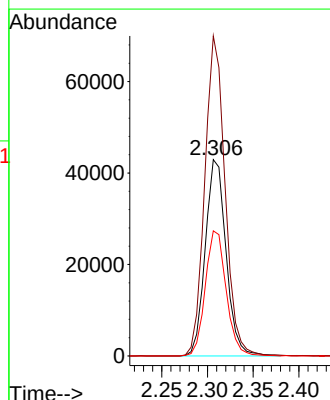
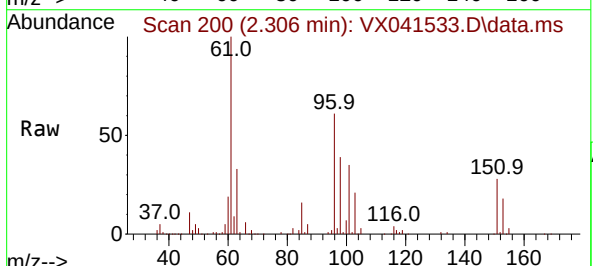
Manual Integrations
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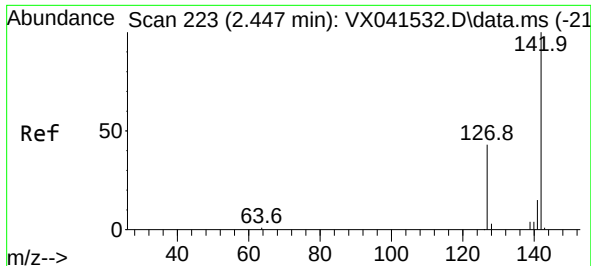
Reviewed By :John Carlone 05/16/2024
 Supervised By :Mahesh Dadoda 05/16/2024



#10
 1,1-Dichloroethene
 Concen: 44.391 ug/l
 RT: 2.306 min Scan# 200
 Delta R.T. -0.006 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

Tgt Ion: 96 Resp: 68008
 Ion Ratio Lower Upper
 96 100
 61 163.0 124.5 186.7
 98 63.8 47.9 71.9





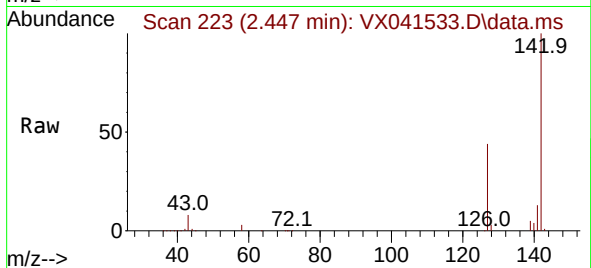
#11
Methyl Iodide
Concen: 46.313 ug/l
RT: 2.447 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050



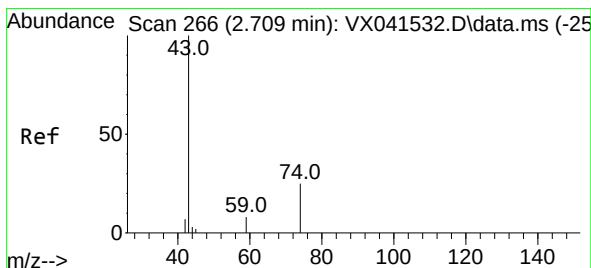
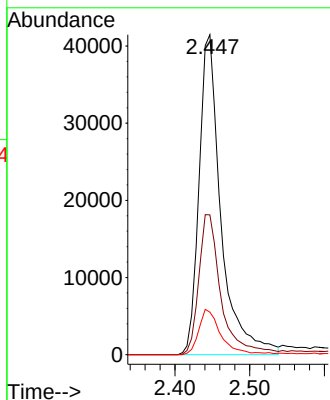
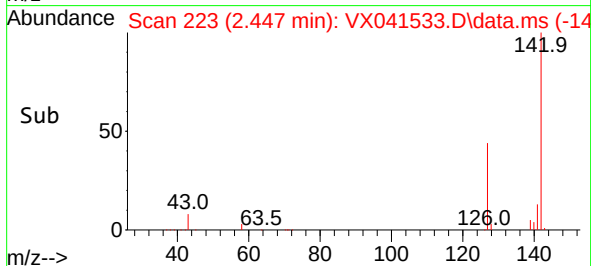
Tgt Ion:142 Resp: 84508
Ion Ratio Lower Upper
142 100
127 43.7 21.4 64.2
141 13.3 7.6 22.8

Manual Integrations

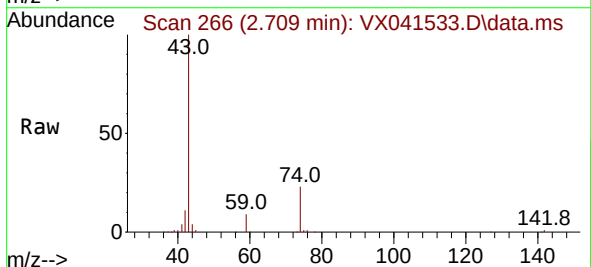
APPROVED

Reviewed By :John Carlone 05/16/2024

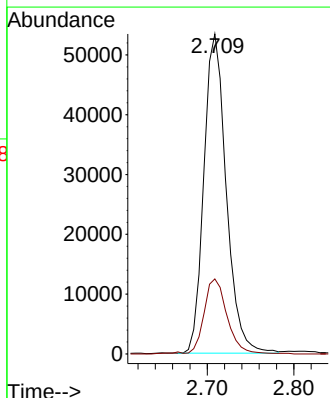
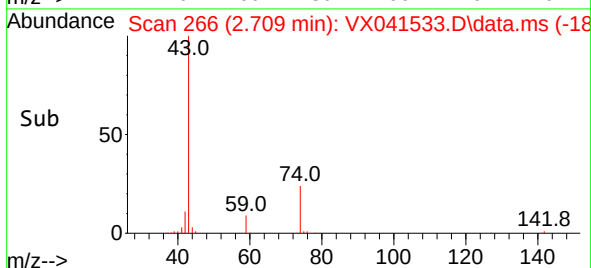
Supervised By :Mahesh Dadoda 05/16/2024

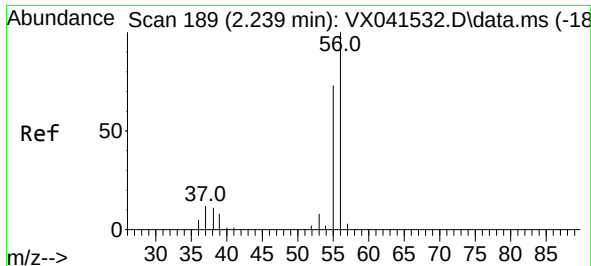


#12
Methyl Acetate
Concen: 41.524 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20



Tgt Ion: 43 Resp: 95772
Ion Ratio Lower Upper
43 100
74 23.1 19.9 29.9





#13

Acrolein

Concen: 235.699 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 56 Resp: 66200

Ion Ratio Lower Upper

56 100

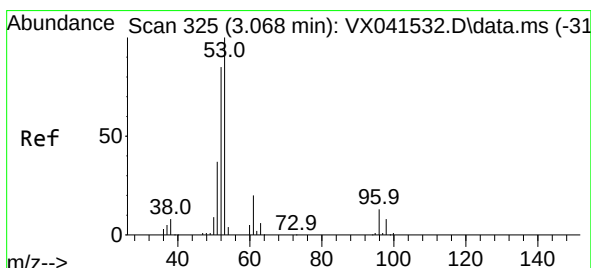
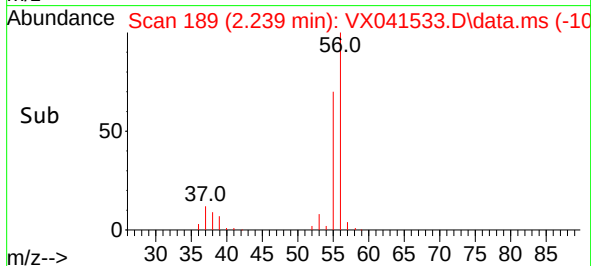
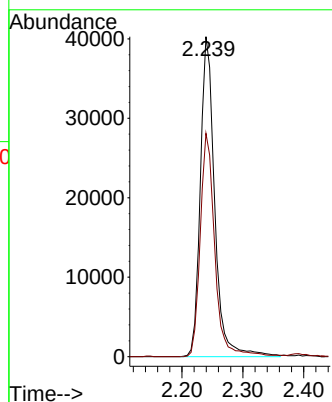
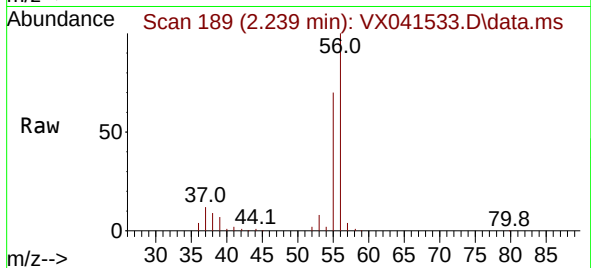
55 70.6 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#14

Acrylonitrile

Concen: 239.322 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

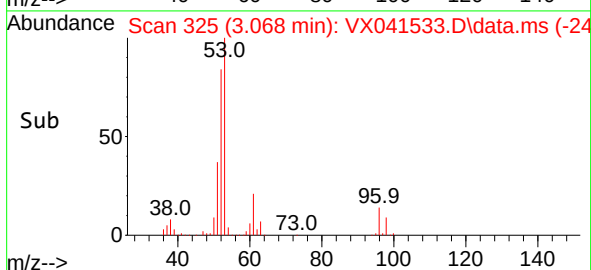
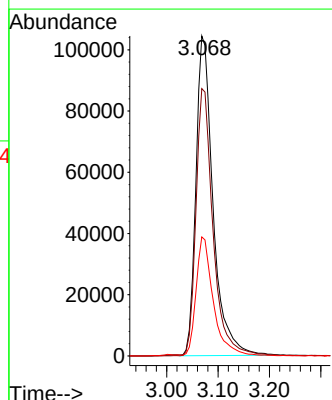
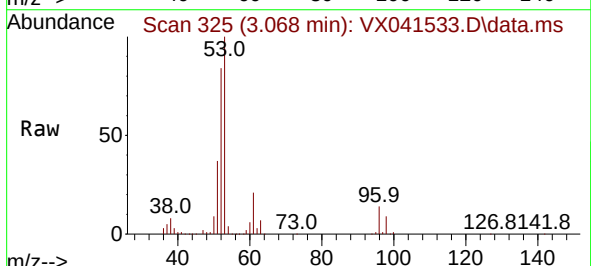
Tgt Ion: 53 Resp: 242777

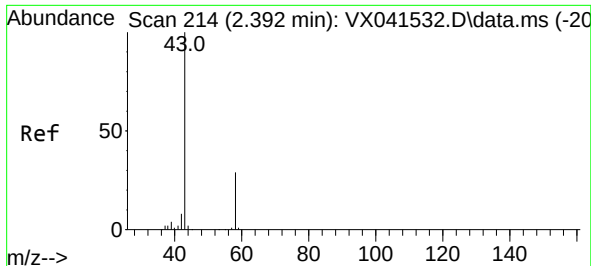
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.7

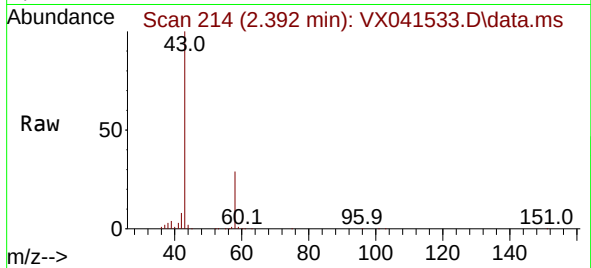
51 37.4 18.4 55.0





#15
Acetone
Concen: 214.058 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

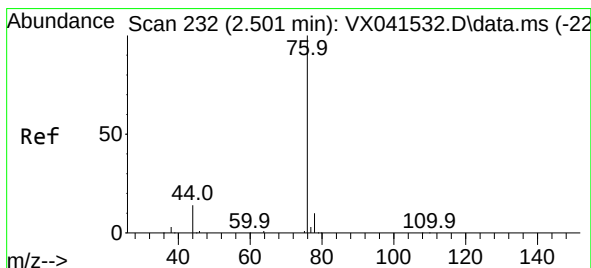
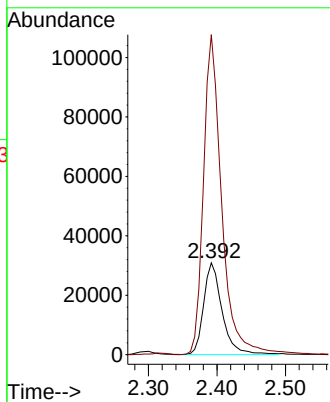
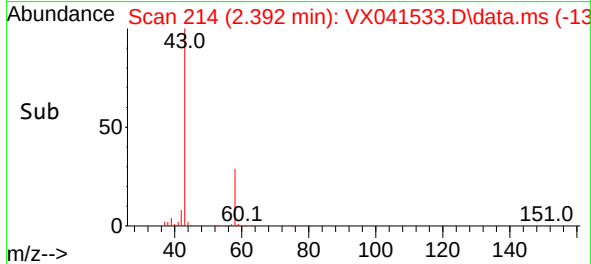
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 58 Resp: 5818
Ion Ratio Lower Upper
58 100
43 348.2 274.0 411.0

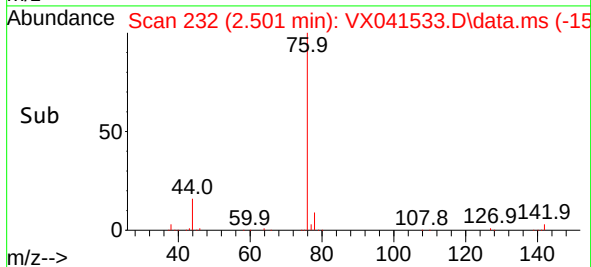
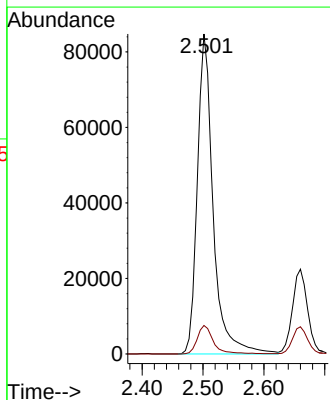
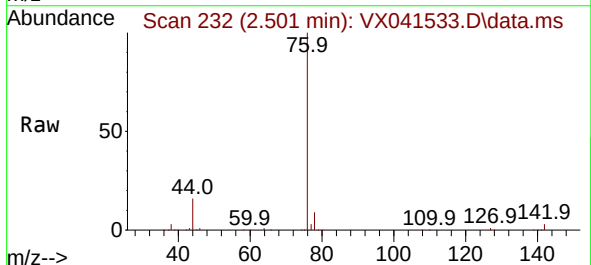
Manual Integrations
APPROVED

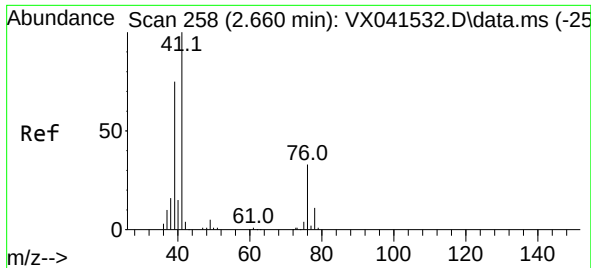
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#16
Carbon Disulfide
Concen: 44.180 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 76 Resp: 152819
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4





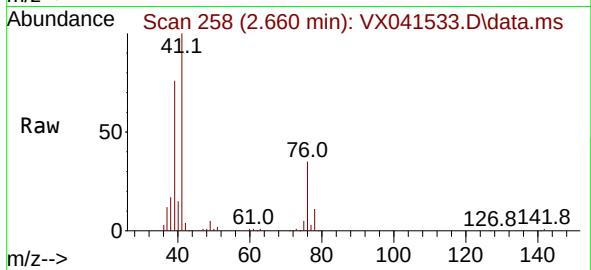
#17
 Allyl chloride
 Concen: 43.061 ug/l
 RT: 2.660 min Scan# 258
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050



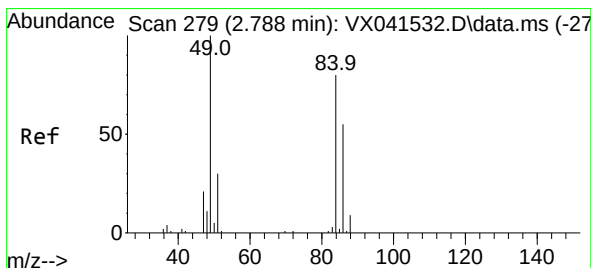
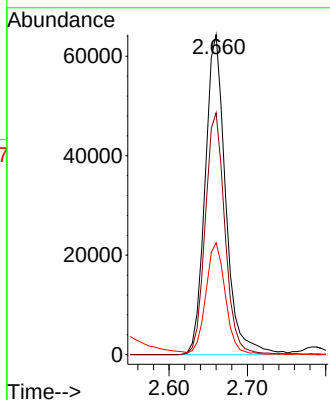
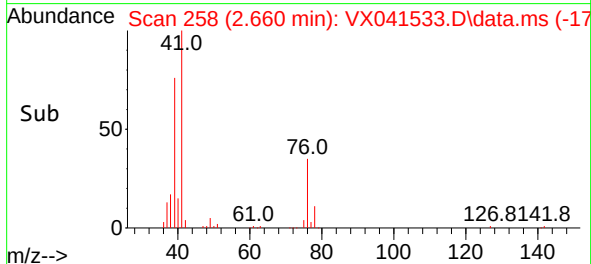
Tgt Ion: 41 Resp: 117073
 Ion Ratio Lower Upper
 41 100
 39 75.6 37.5 112.7
 76 34.8 16.6 49.8

Manual Integrations

APPROVED

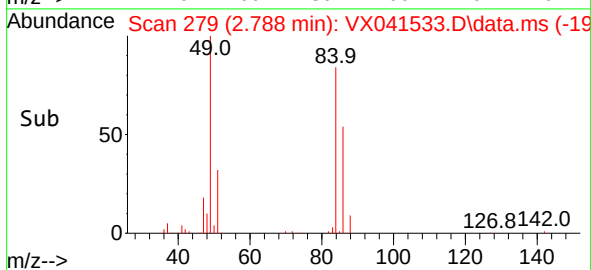
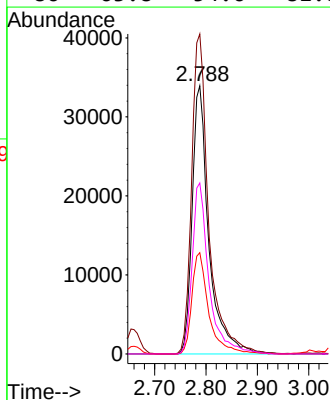
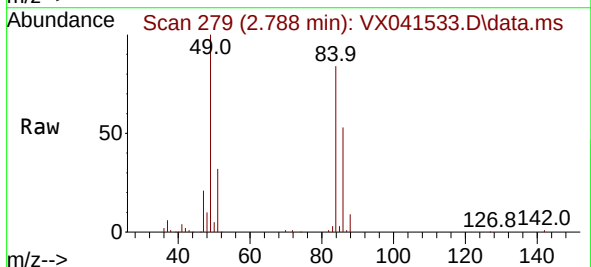
Reviewed By :John Carlone 05/16/2024

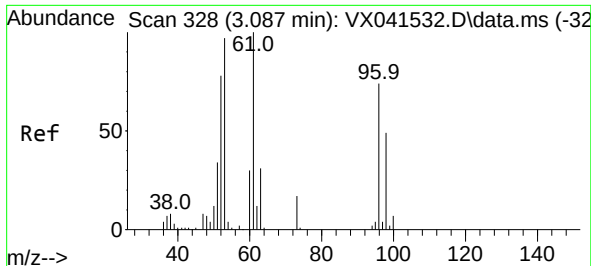
Supervised By :Mahesh Dadoda 05/16/2024



#18
 Methylene Chloride
 Concen: 42.129 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

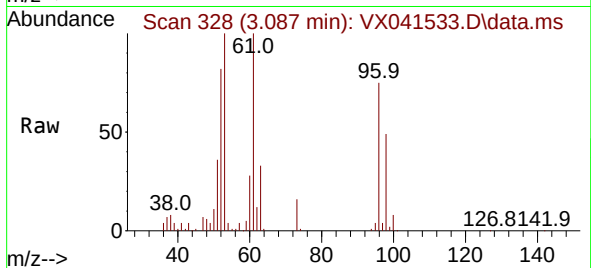
Tgt Ion: 84 Resp: 76764
 Ion Ratio Lower Upper
 84 100
 49 119.1 99.8 149.8
 51 37.8 30.2 45.4
 86 63.8 54.6 81.8





#19
trans-1,2-Dichloroethene
Concen: 48.571 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

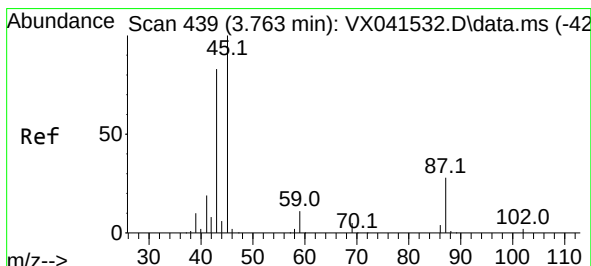
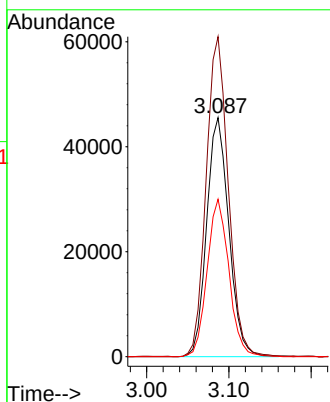
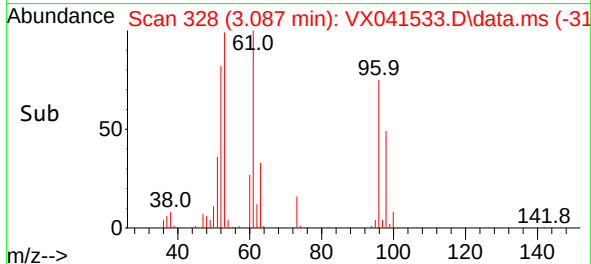
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 96 Resp: 85328
Ion Ratio Lower Upper
96 100
61 133.9 107.7 161.5
98 65.9 53.1 79.7

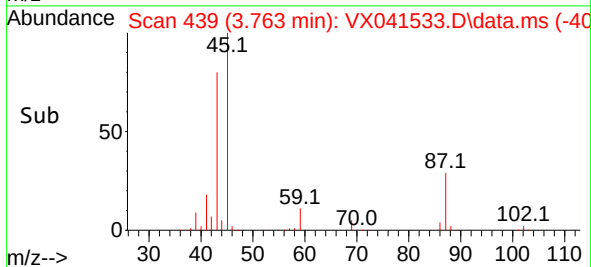
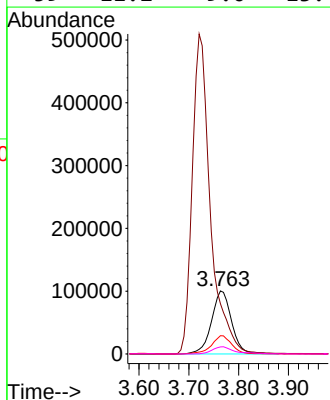
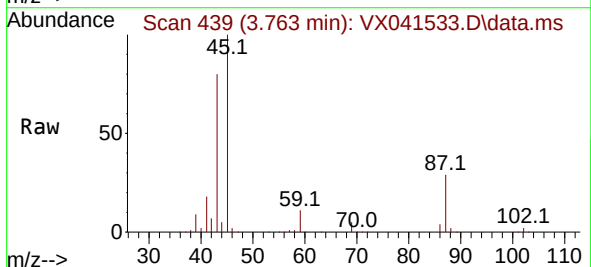
Manual Integrations
APPROVED

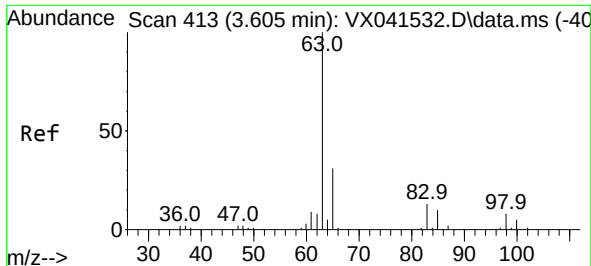
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#20
Diisopropyl ether
Concen: 48.969 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 45 Resp: 279728
Ion Ratio Lower Upper
45 100
43 78.8 66.7 100.1
87 29.1 22.4 33.6
59 11.2 9.0 13.4





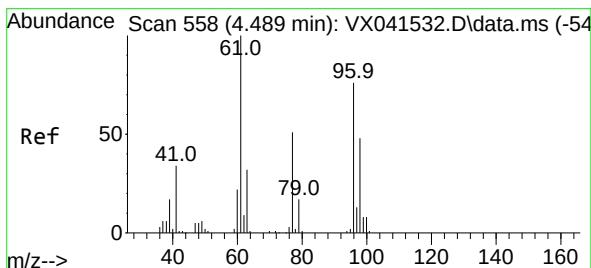
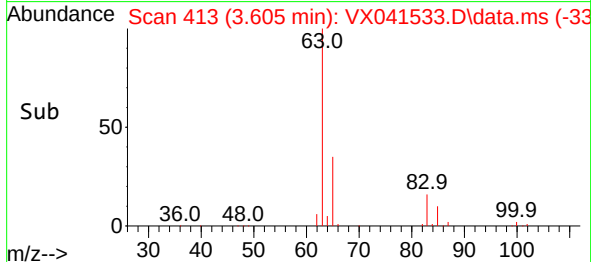
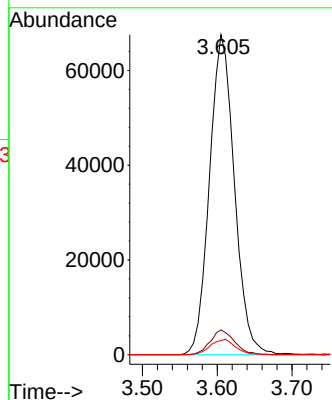
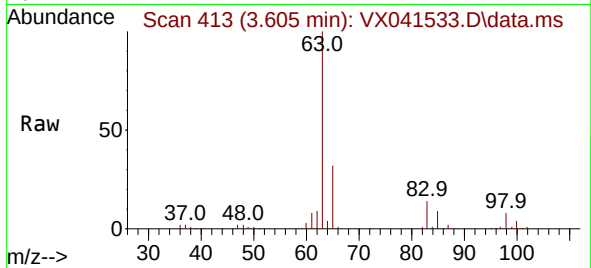
#21
1,1-Dichloroethane
Concen: 48.795 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 156430
Ion Ratio Lower Upper
63 100
98 7.8 3.8 11.4
100 4.4 2.5 7.4

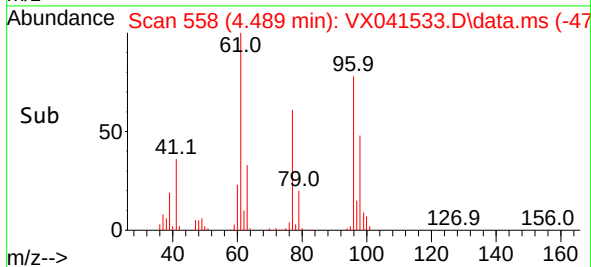
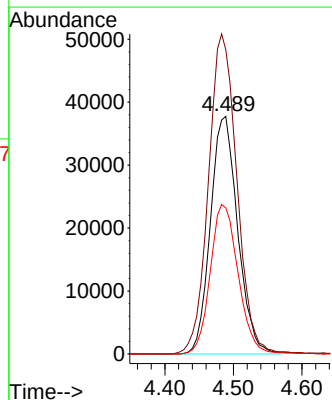
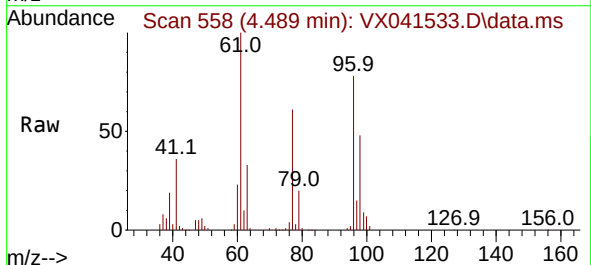
Manual Integrations
APPROVED

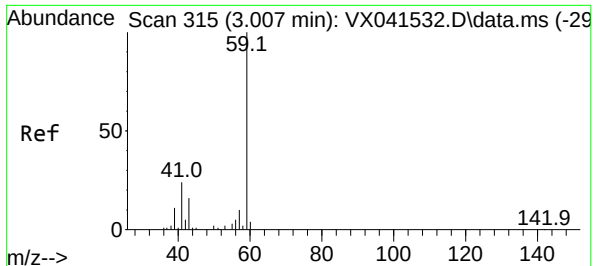
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#22
cis-1,2-Dichloroethene
Concen: 48.945 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 96 Resp: 104485
Ion Ratio Lower Upper
96 100
61 140.0 114.2 171.4
98 64.2 52.6 79.0





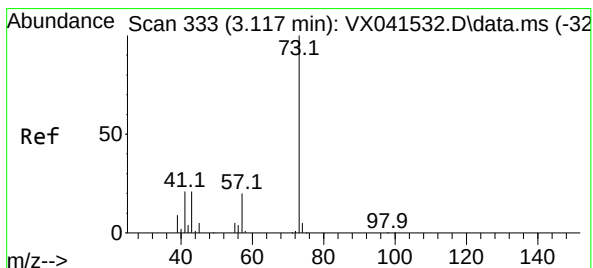
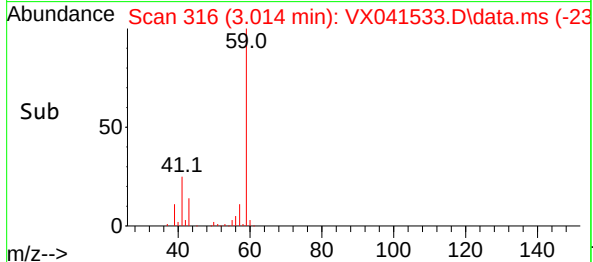
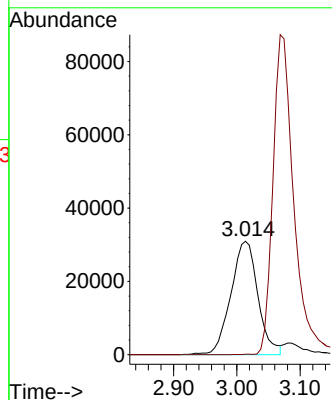
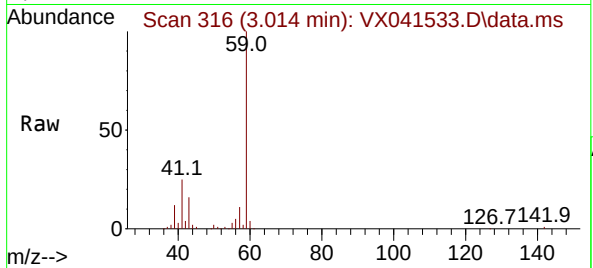
#23
tert-Butyl Alcohol
Concen: 211.540 ug/l
RT: 3.014 min Scan# 315
Delta R.T. 0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 92400
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

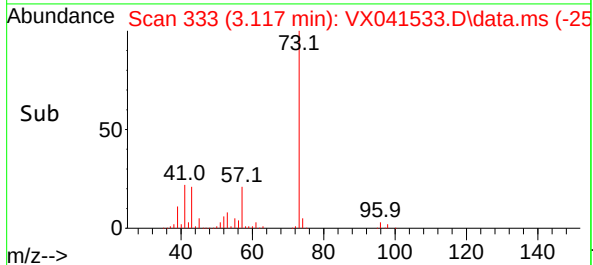
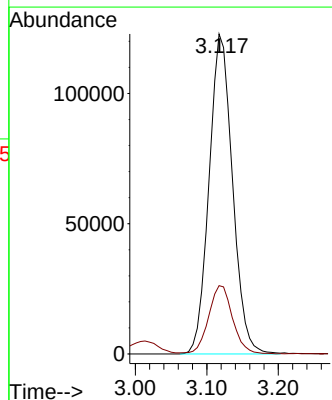
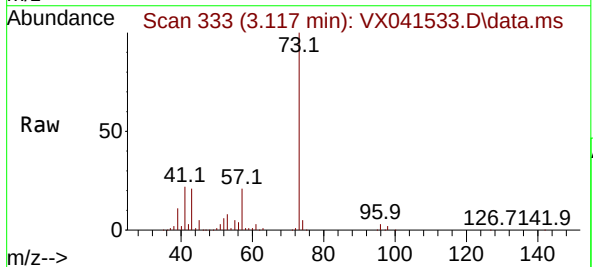
Manual Integrations
APPROVED

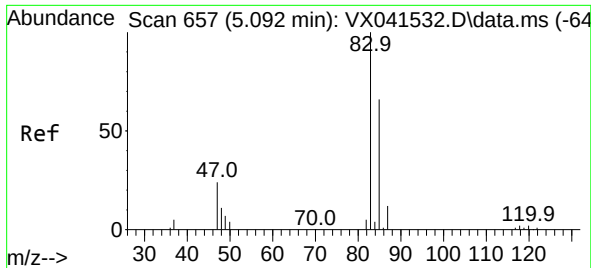
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#24
Methyl tert-Butyl Ether
Concen: 48.884 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 73 Resp: 279602
Ion Ratio Lower Upper
73 100
43 21.8 17.2 25.8





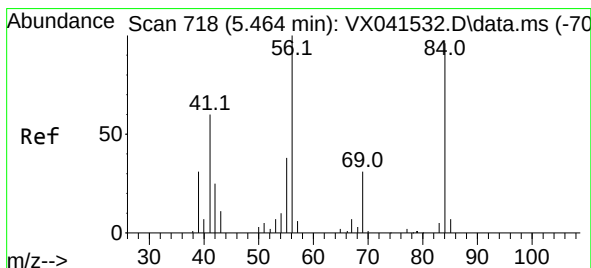
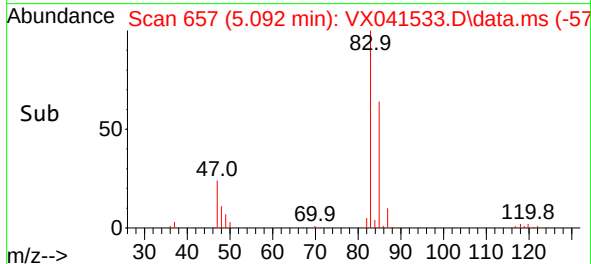
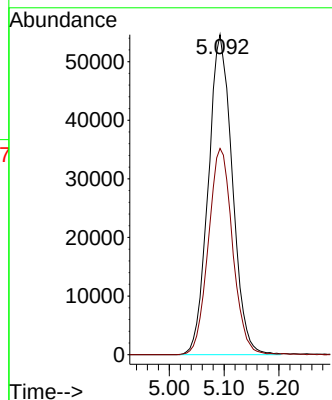
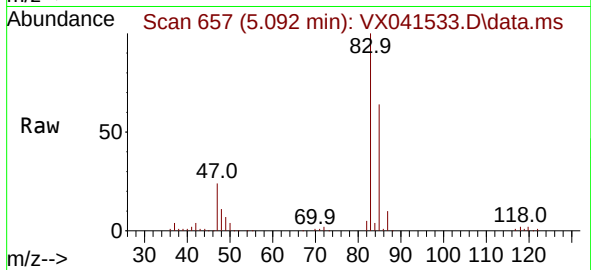
#25
Chloroform
Concen: 48.674 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 16623
Ion Ratio Lower Upper
83 100
85 64.3 52.9 79.3

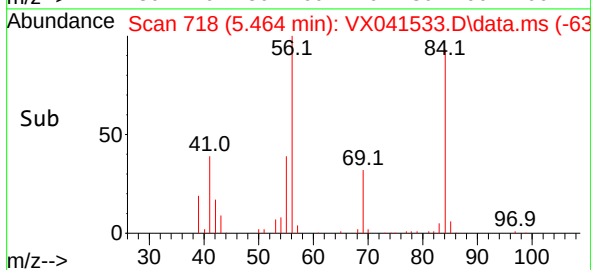
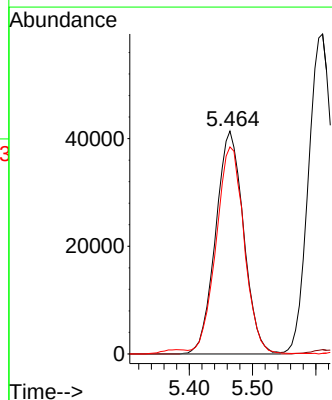
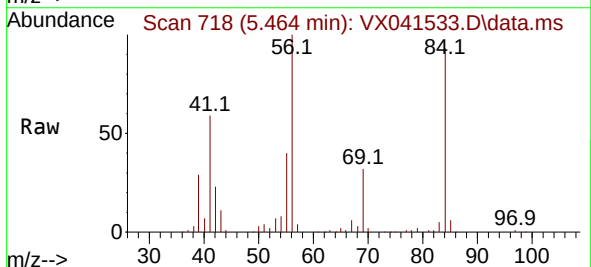
Manual Integrations
APPROVED

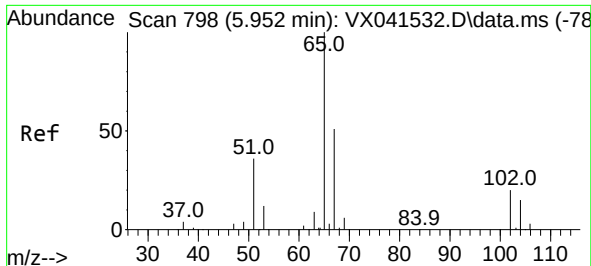
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#26
Cyclohexane
Concen: 47.492 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 56 Resp: 126968
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.7 74.0 111.0





#27

1,2-Dichloroethane-d4

Concen: 29.725 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 70094

Ion Ratio Lower Upper

65 100

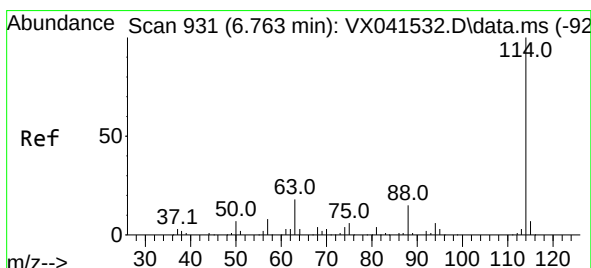
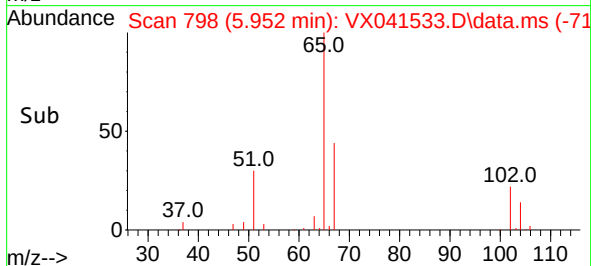
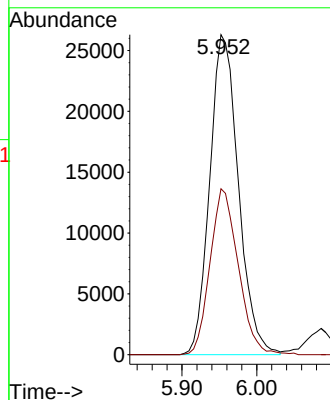
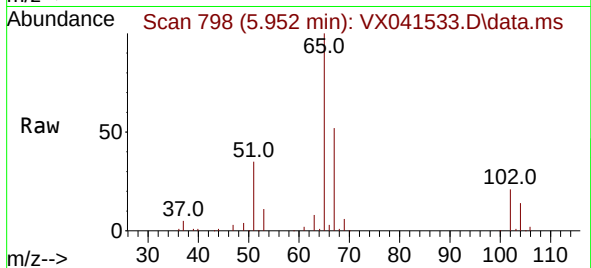
67 51.0 40.8 61.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

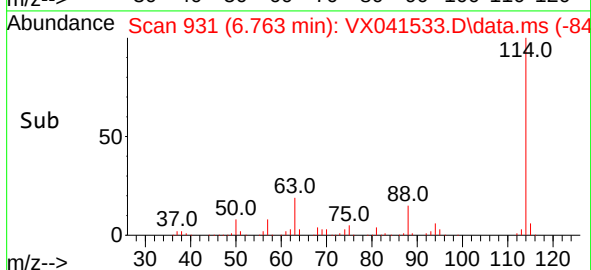
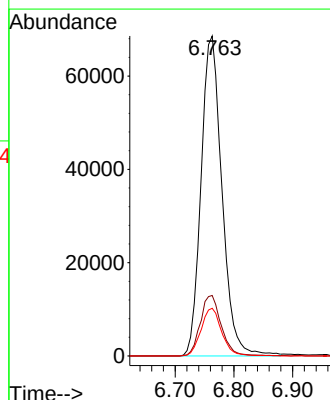
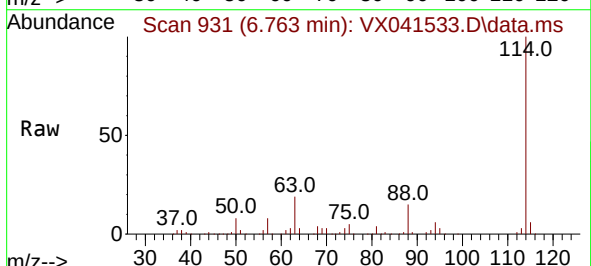
Tgt Ion:114 Resp: 170034

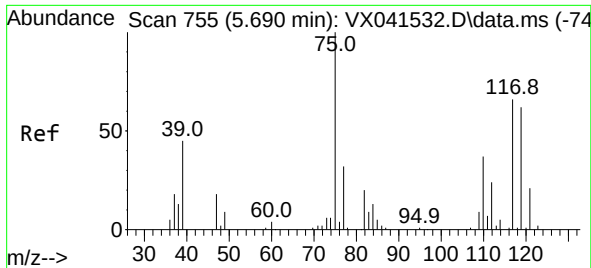
Ion Ratio Lower Upper

114 100

63 18.9 15.4 23.0

88 14.7 12.2 18.2





#29
1,1-Dichloropropene
Concen: 49.120 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

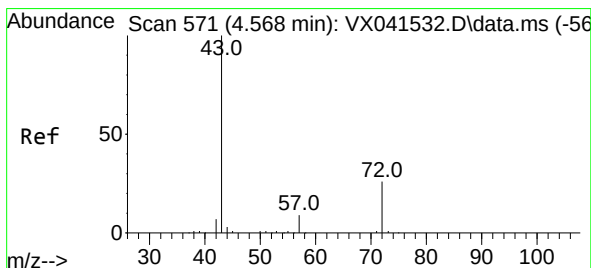
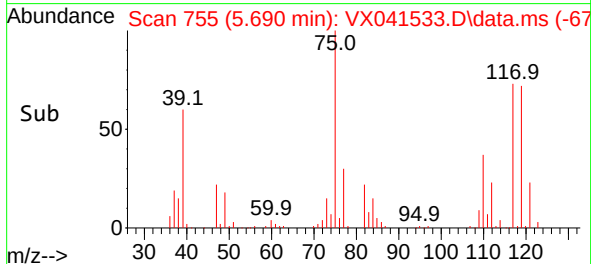
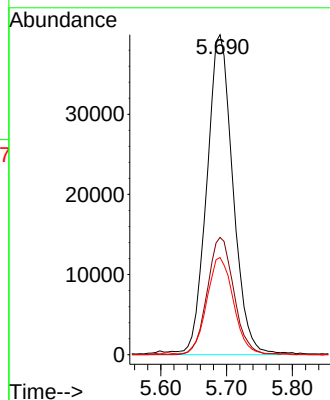
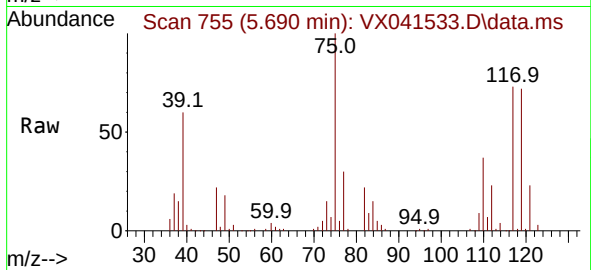
Tgt Ion: 75 Resp: 11048
Ion Ratio Lower Upper
75 100
110 37.0 0.0 74.4
77 30.6 0.0 62.6

Manual Integrations

APPROVED

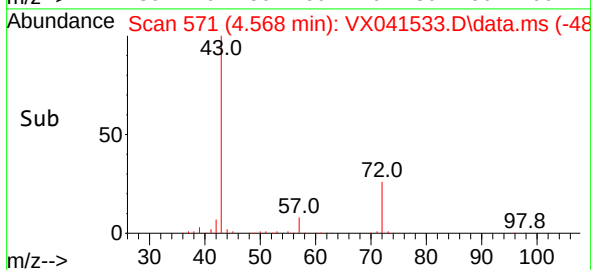
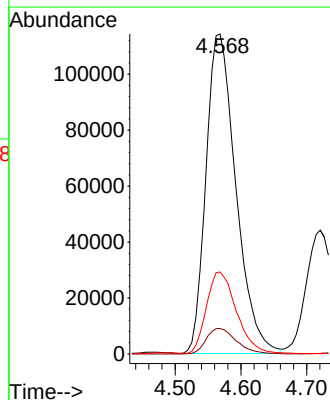
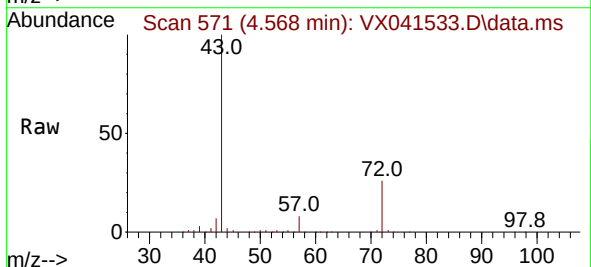
Reviewed By :John Carlone 05/16/2024

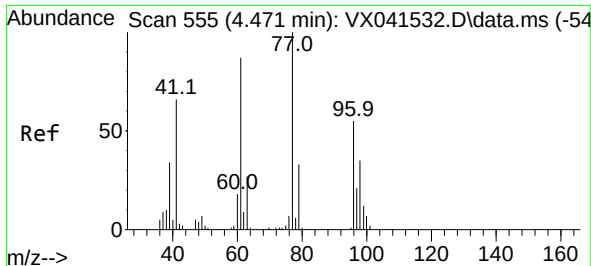
Supervised By :Mahesh Dadoda 05/16/2024



#30
2-Butanone
Concen: 242.078 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 43 Resp: 361408
Ion Ratio Lower Upper
43 100
57 8.0 6.6 10.0
72 25.6 20.7 31.1





#31

2,2-Dichloropropane

Concen: 49.968 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 77 Resp: 13190

Ion Ratio Lower Upper

77 100

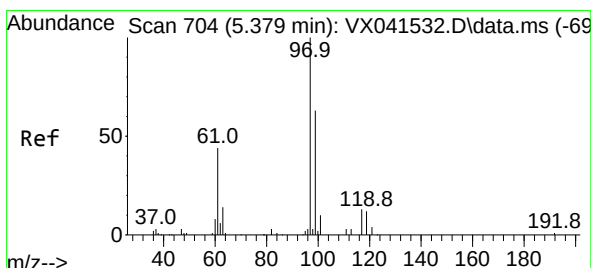
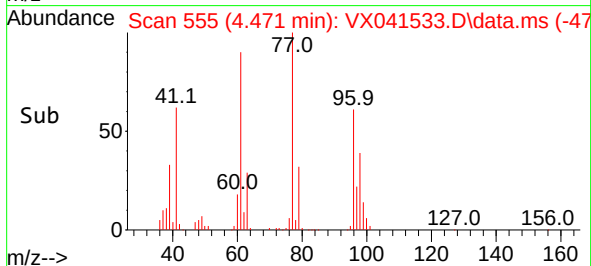
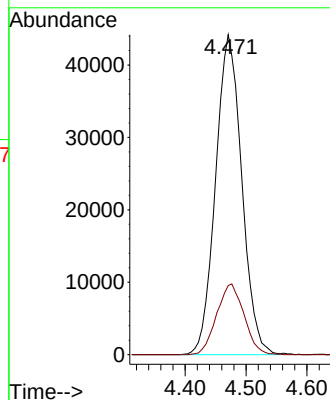
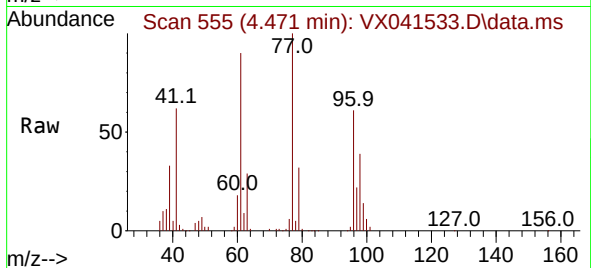
97 23.0 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#32

1,1,1-Trichloroethane

Concen: 48.558 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

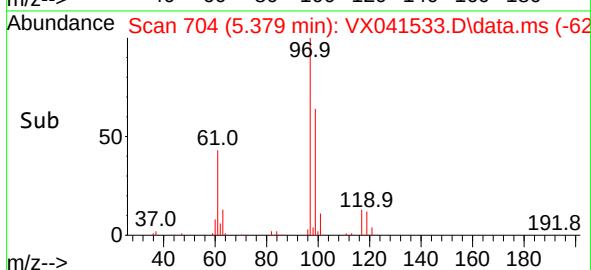
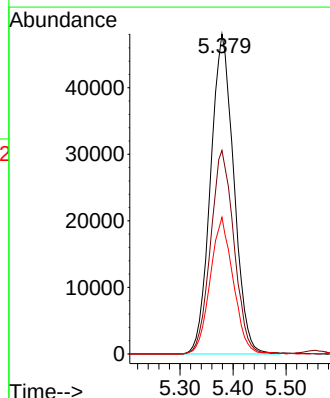
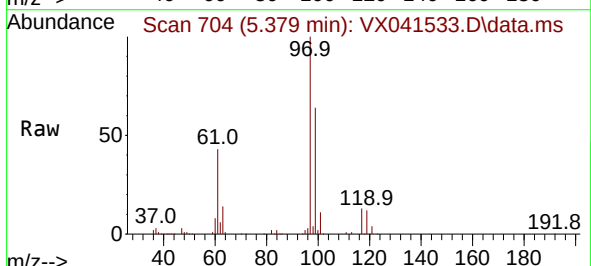
Tgt Ion: 97 Resp: 146549

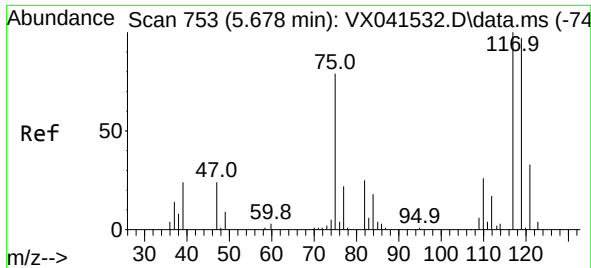
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

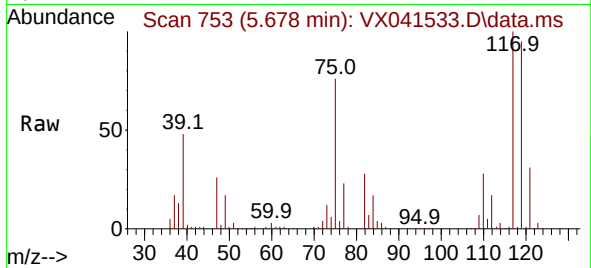
61 42.0 34.6 51.8





#33
Carbon Tetrachloride
Concen: 48.948 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

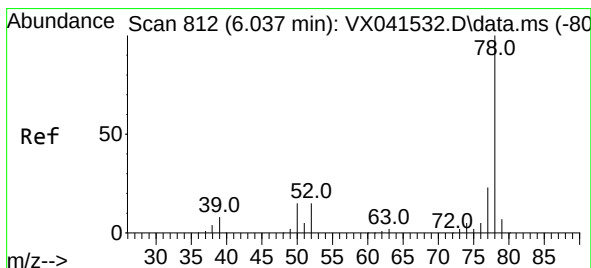
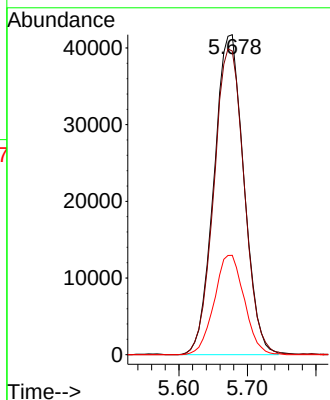
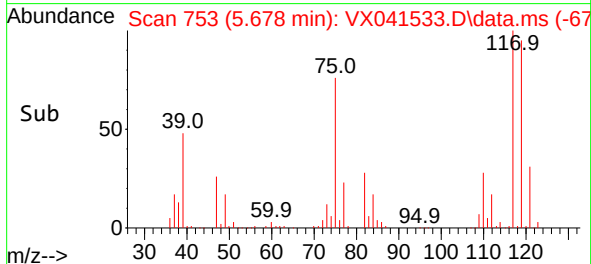
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion:117 Resp: 126395
Ion Ratio Lower Upper
117 100
119 94.9 77.4 116.2
121 31.1 26.4 39.6

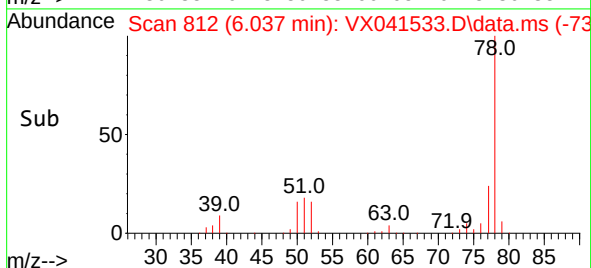
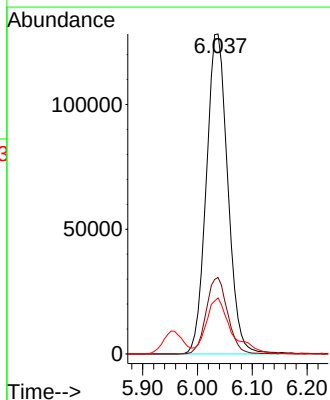
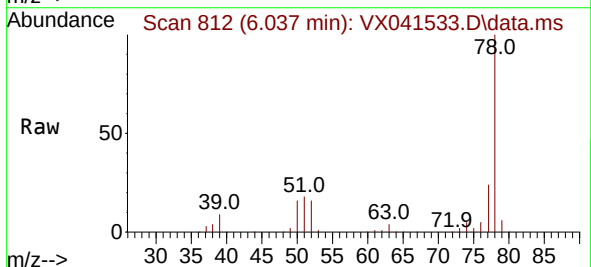
Manual Integrations
APPROVED

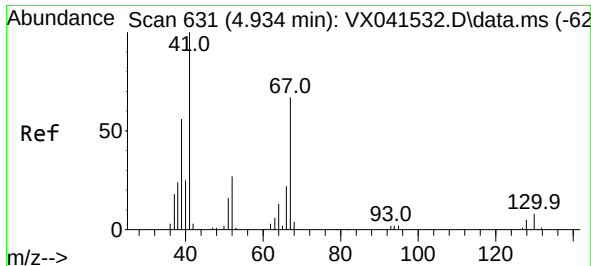
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#34
Benzene
Concen: 48.972 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 78 Resp: 347873
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0
51 17.3 12.4 18.6





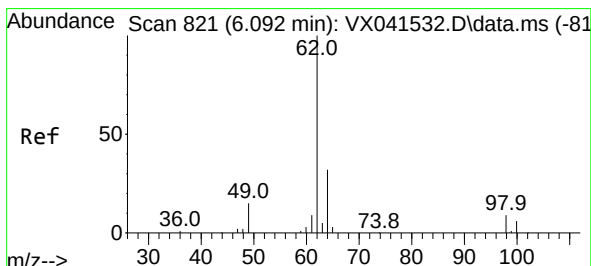
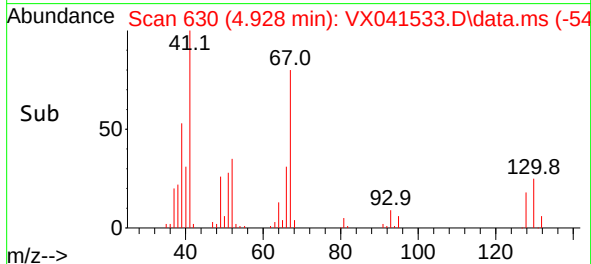
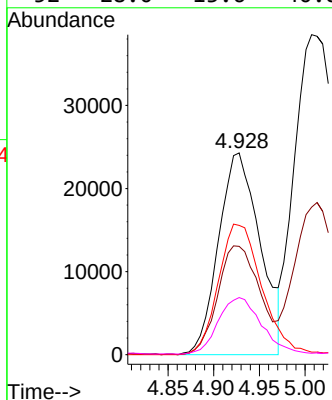
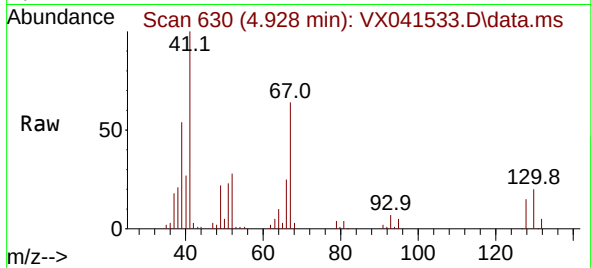
#35
Methacrylonitrile
Concen: 51.125 ug/l
RT: 4.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
Client Sample Id :
VSTDIC050

Tgt Ion: 41	Resp: 7699
Ion Ratio	Lower Upper
41 100	
39 53.7	28.1 84.4
67 64.1	33.7 101.1
52 28.0	13.6 40.8

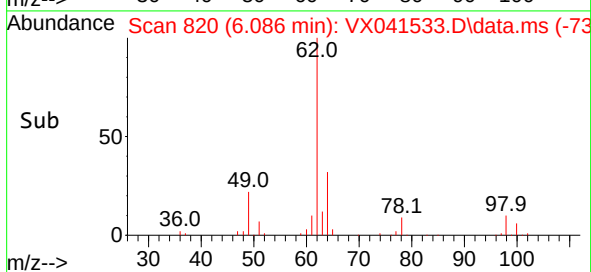
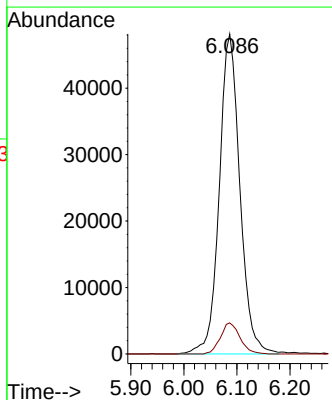
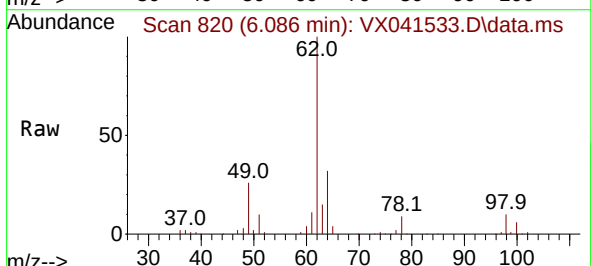
Manual Integrations
APPROVED

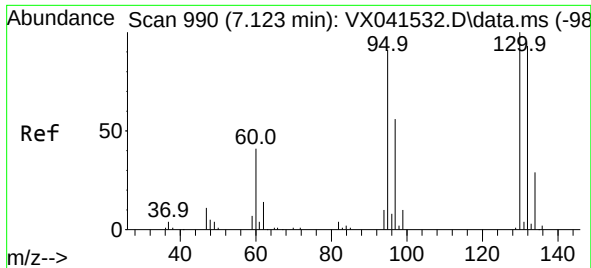
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#36
1,2-Dichloroethane
Concen: 49.022 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

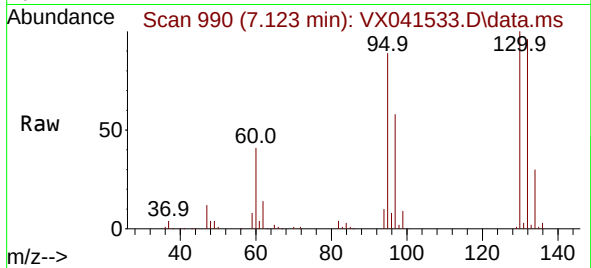
Tgt Ion: 62	Resp: 129946
Ion Ratio	Lower Upper
62 100	
98 9.2	7.4 11.0





#37
Trichloroethene
Concen: 48.746 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

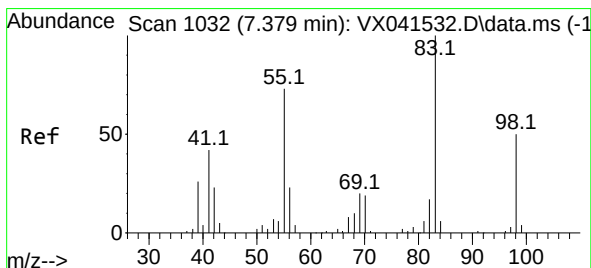
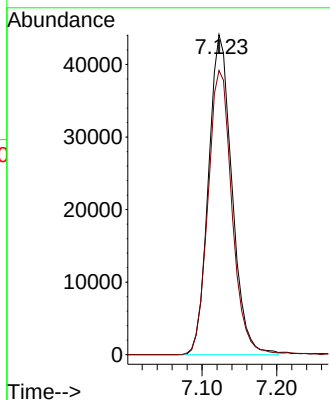
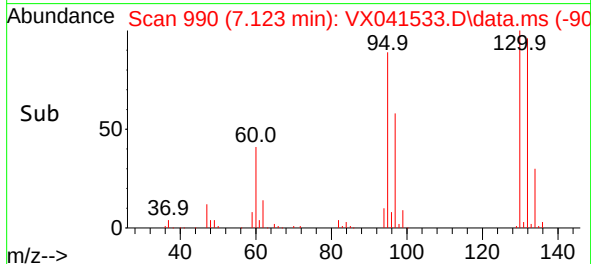
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion:130 Resp: 96477
Ion Ratio Lower Upper
130 100
95 88.8 72.6 108.8

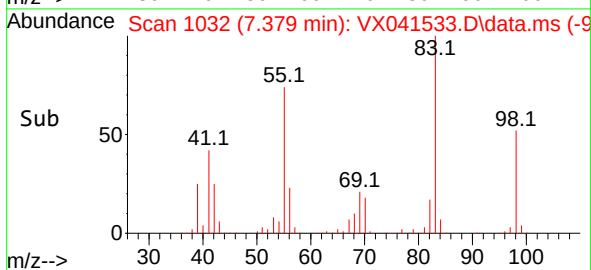
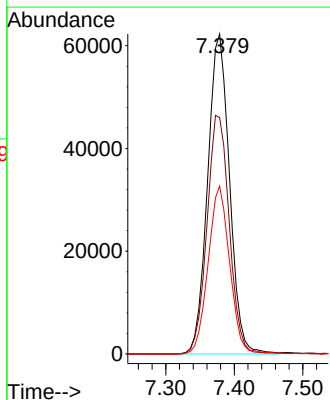
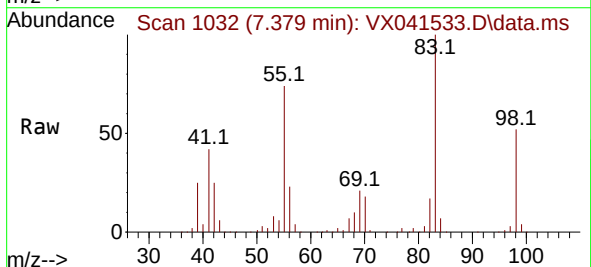
Manual Integrations
APPROVED

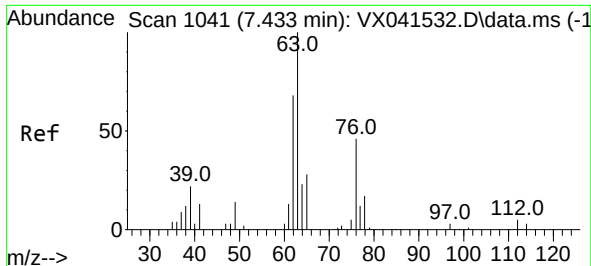
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#38
Methylcyclohexane
Concen: 48.417 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 83 Resp: 138277
Ion Ratio Lower Upper
83 100
55 75.8 37.7 113.1
98 51.5 25.1 75.3





#39

1,2-Dichloropropane

Concen: 47.966 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 8054

Ion Ratio Lower Upper

63 100

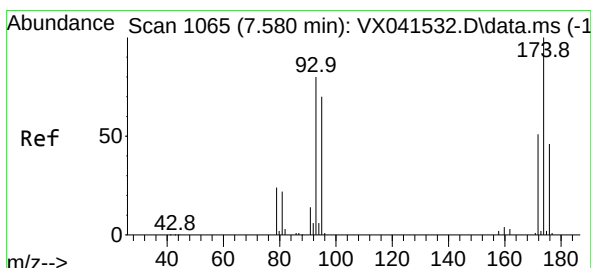
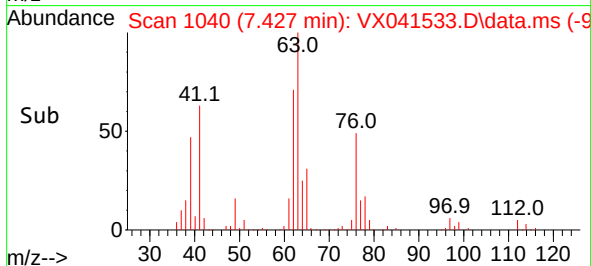
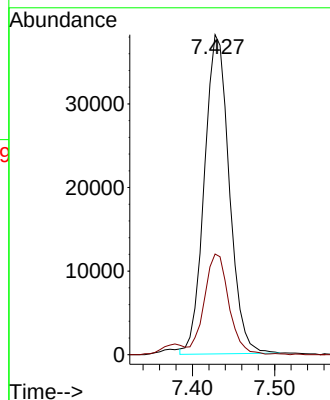
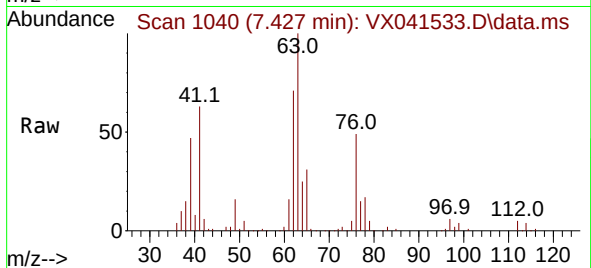
65 31.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#40

Dibromomethane

Concen: 48.138 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

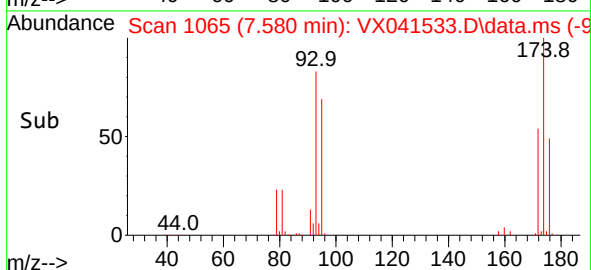
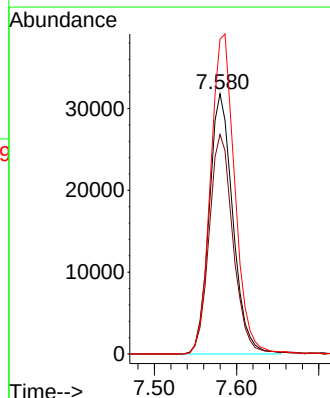
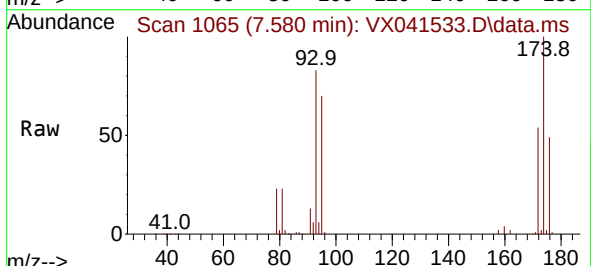
Tgt Ion: 93 Resp: 63616

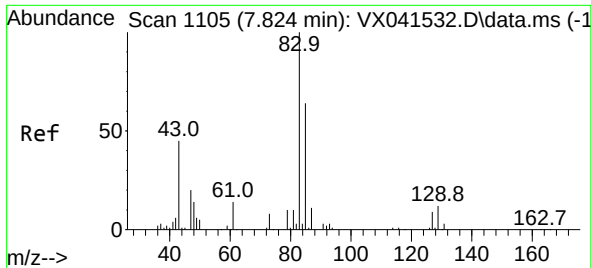
Ion Ratio Lower Upper

93 100

95 85.2 0.0 168.6

174 126.0 0.0 249.8





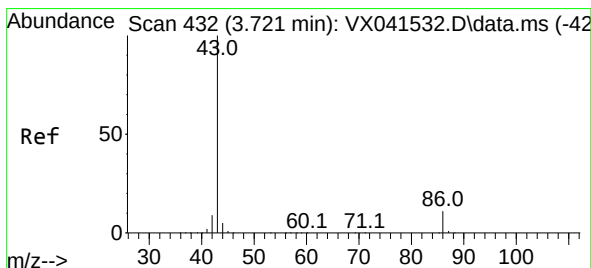
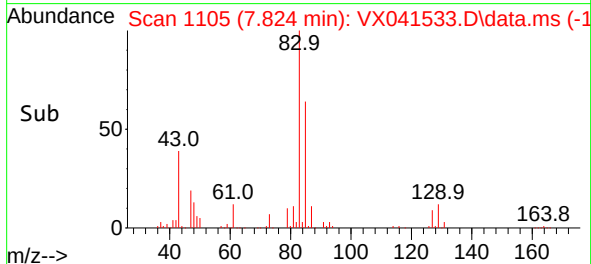
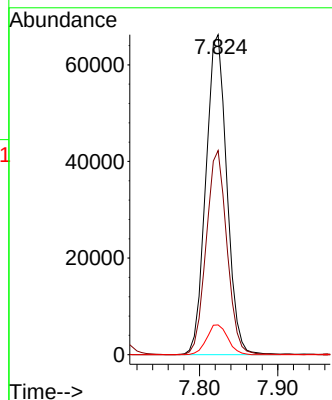
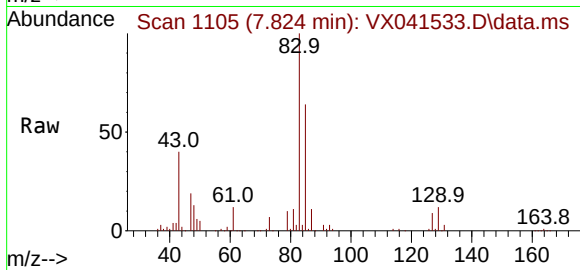
#41
Bromodichloromethane
Concen: 49.573 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 122995
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.4
127 9.3 7.1 10.7

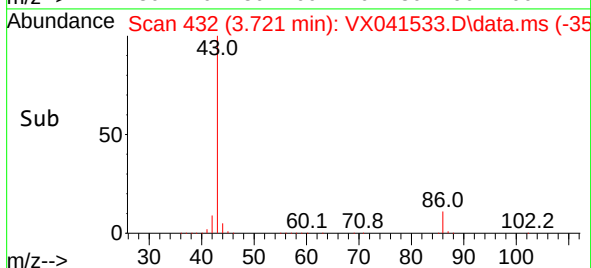
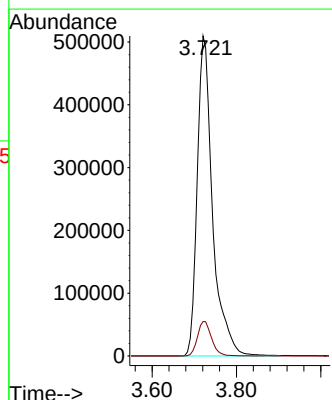
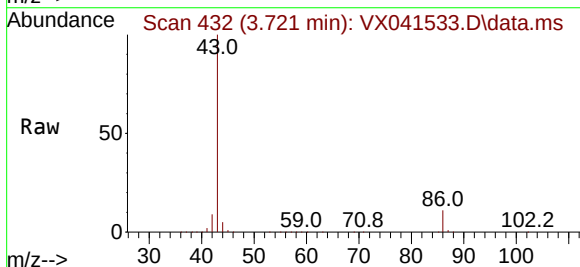
Manual Integrations
APPROVED

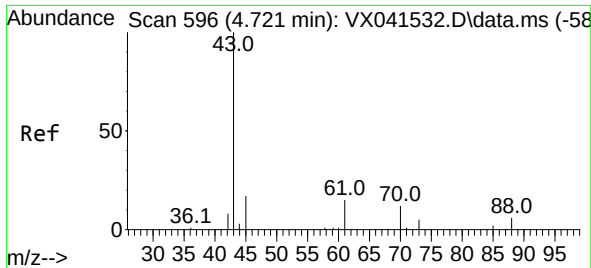
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#42
Vinyl Acetate
Concen: 249.300 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 43 Resp: 1291328
Ion Ratio Lower Upper
43 100
86 9.9 7.8 11.6





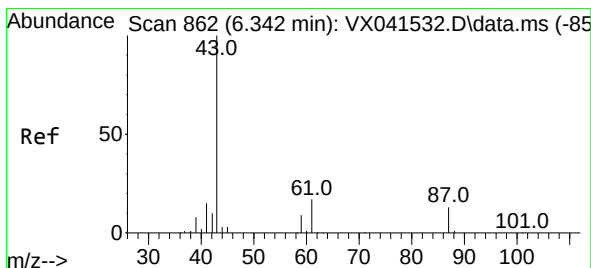
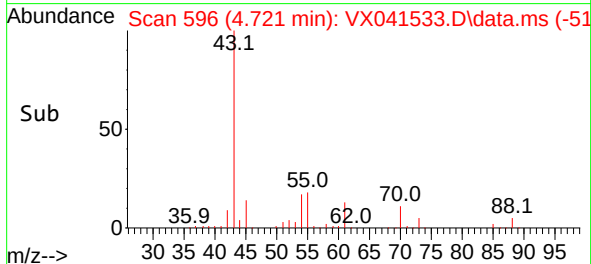
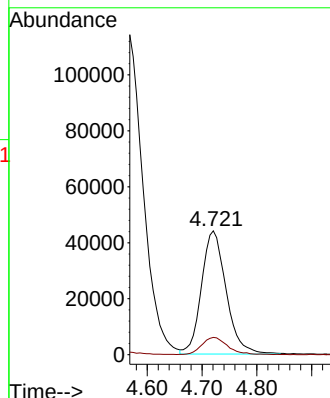
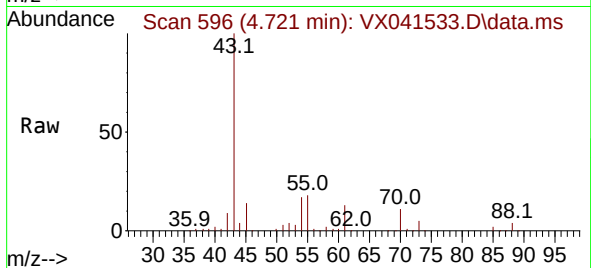
#43
Ethyl Acetate
Concen: 47.790 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 137664
Ion Ratio Lower Upper
43 100
45 14.3 11.9 17.9

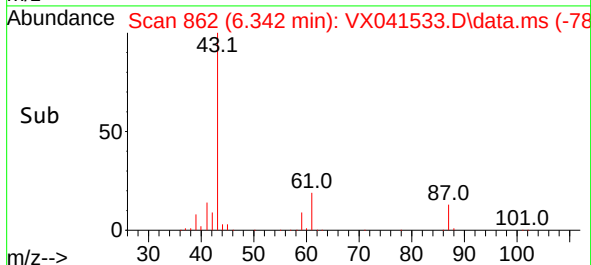
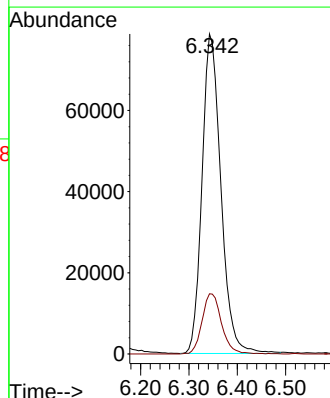
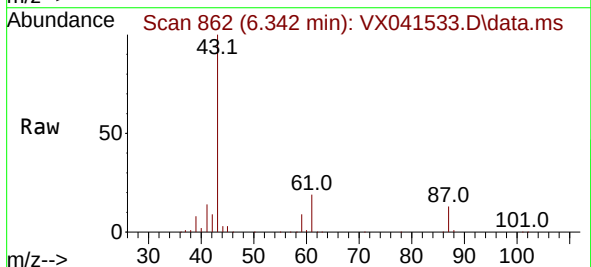
Manual Integrations
APPROVED

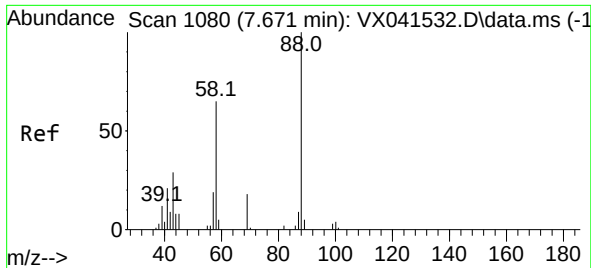
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#44
Isopropyl Acetate
Concen: 49.033 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

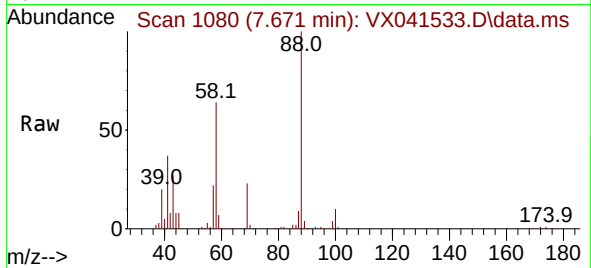
Tgt Ion: 43 Resp: 213512
Ion Ratio Lower Upper
43 100
61 19.2 15.3 22.9





#45
1,4-Dioxane
Concen: 1004.552 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

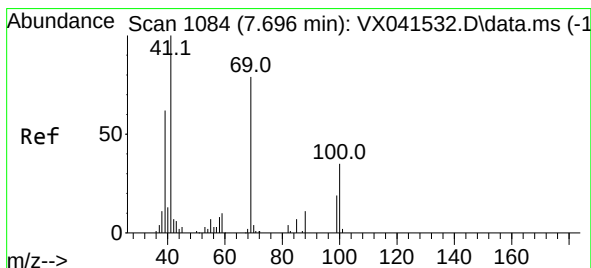
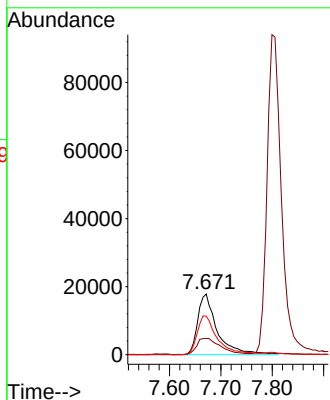
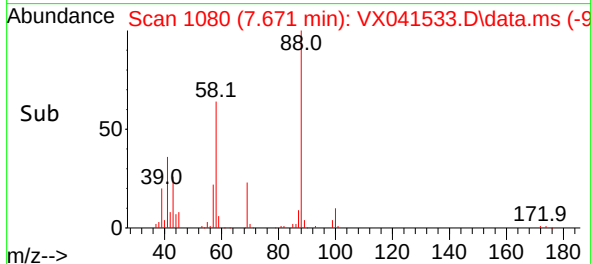
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion: 88 Resp: 4691
Ion Ratio Lower Upper
88 100
43 32.0 24.9 37.3
58 65.9 47.0 70.4

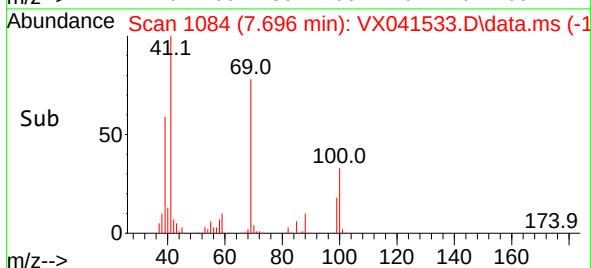
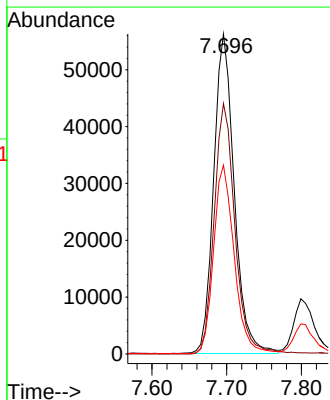
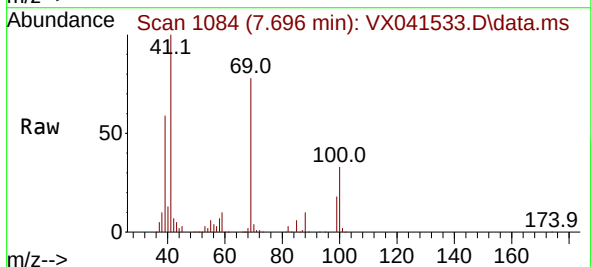
Manual Integrations
APPROVED

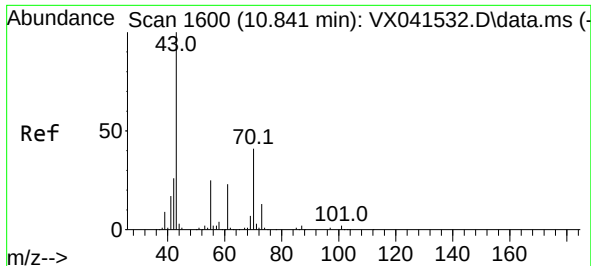
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#46
Methyl methacrylate
Concen: 49.704 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 41 Resp: 107686
Ion Ratio Lower Upper
41 100
69 78.4 39.6 119.0
39 59.0 30.9 92.8





#47

n-amy1 Acetate

Concen: 49.891 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 43 Resp: 19700

Ion Ratio Lower Upper

43 100

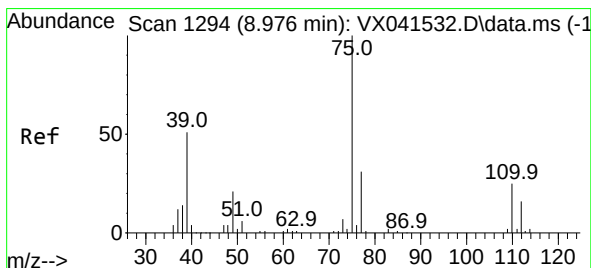
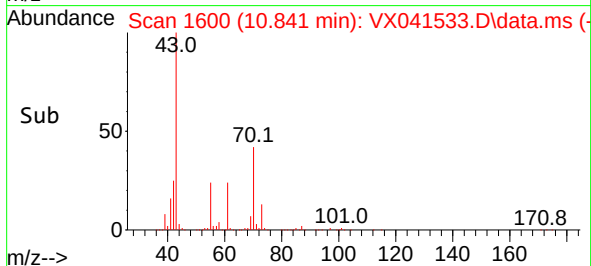
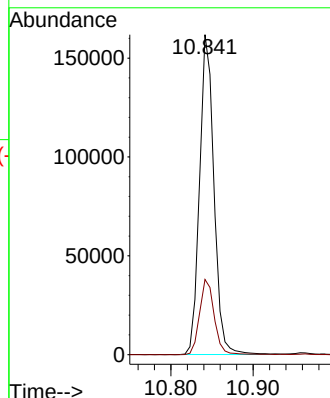
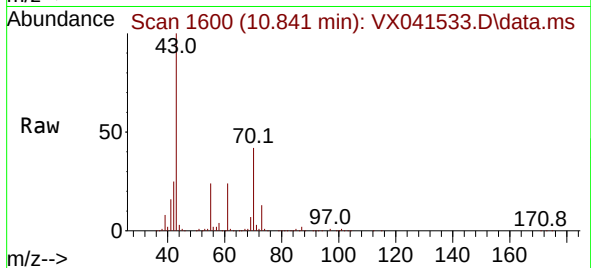
55 23.7 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#48

t-1,3-Dichloropropene

Concen: 50.040 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX041533.D

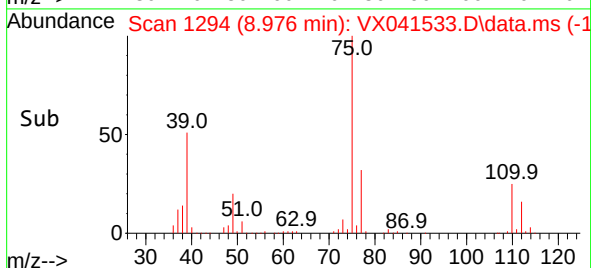
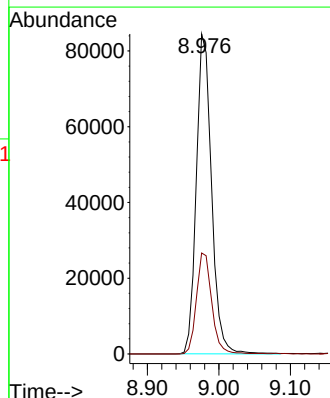
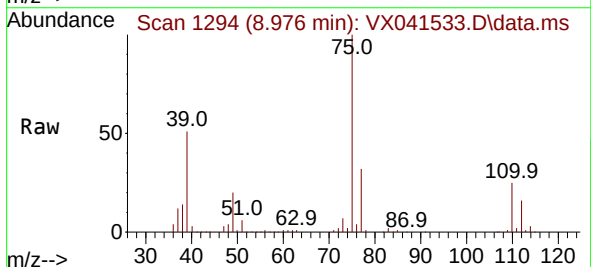
Acq: 15 May 2024 12:20

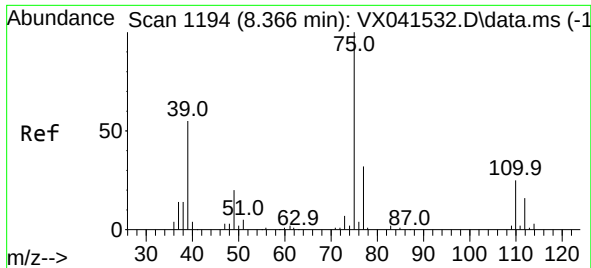
Tgt Ion: 75 Resp: 124680

Ion Ratio Lower Upper

75 100

77 31.6 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 50.193 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 135458

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

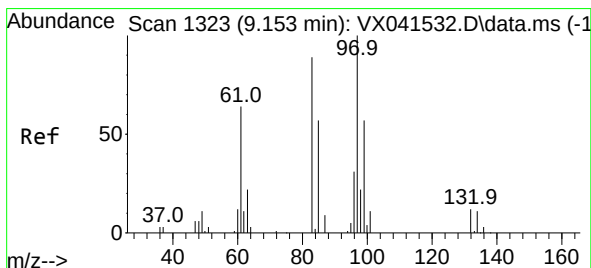
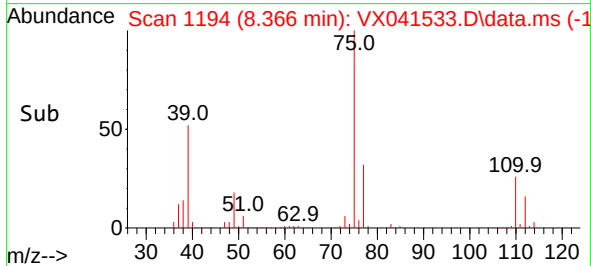
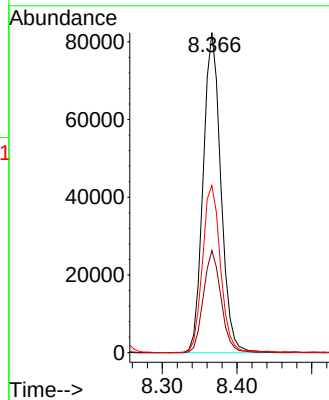
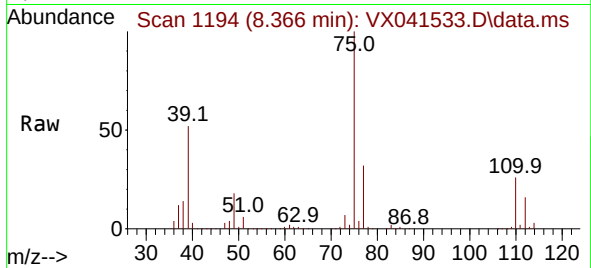
39 52.2 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#50

1,1,2-Trichloroethane

Concen: 49.167 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Tgt Ion: 97 Resp: 90391

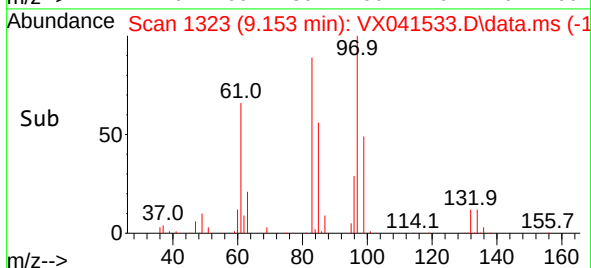
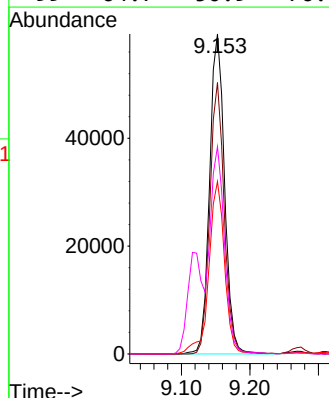
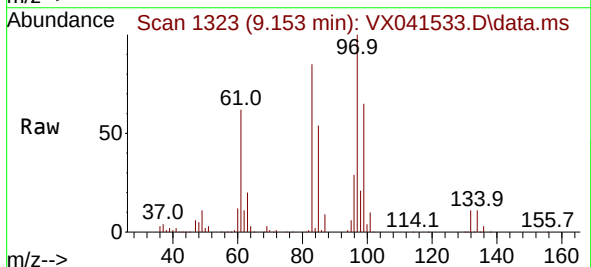
Ion Ratio Lower Upper

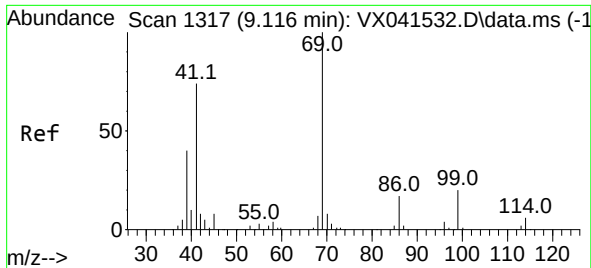
97 100

83 84.8 71.3 106.9

85 53.8 45.7 68.5

99 64.7 50.9 76.3





#51
Ethyl methacrylate
Concen: 49.659 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

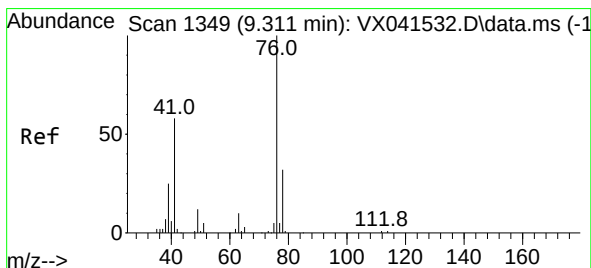
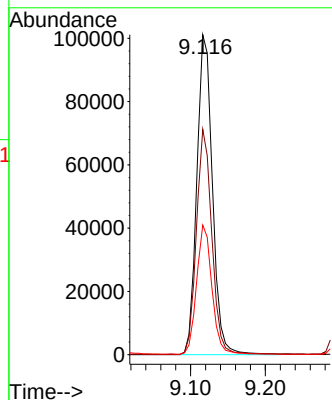
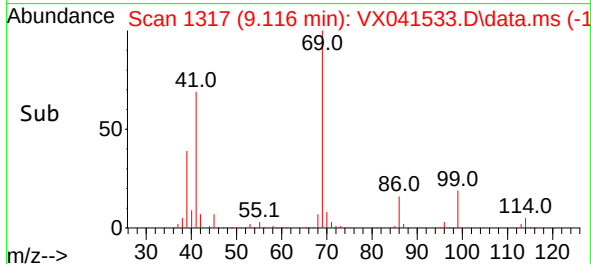
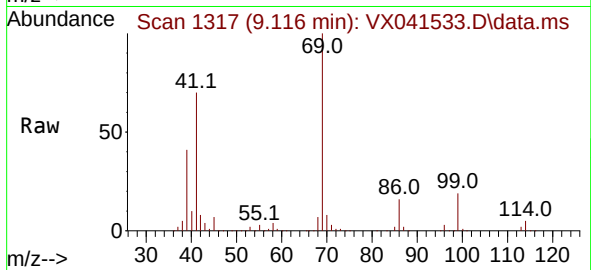
Tgt Ion: 69 Resp: 146947
Ion Ratio Lower Upper
69 100
41 70.3 37.1 111.3
39 40.4 20.2 60.6

Manual Integrations

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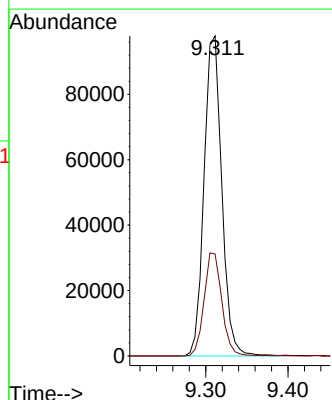
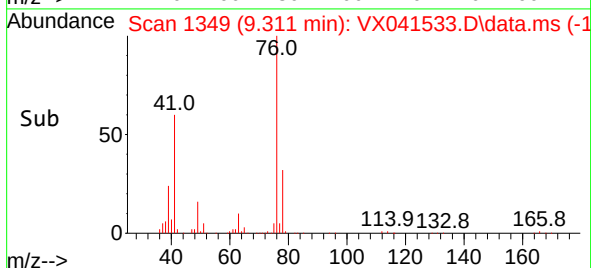
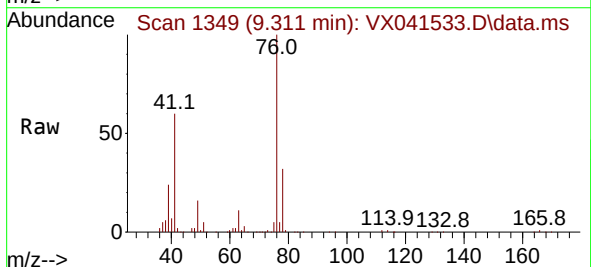
Reviewed By :John Carlone 05/16/2024

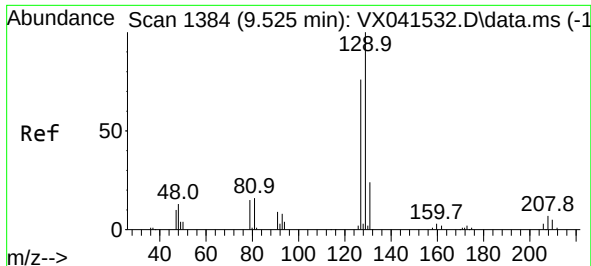
Supervised By :Mahesh Dadoda 05/16/2024



#52
1,3-Dichloropropane
Concen: 48.281 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 76 Resp: 146672
Ion Ratio Lower Upper
76 100
78 32.2 0.0 64.4





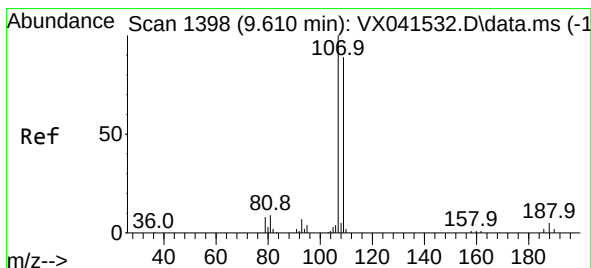
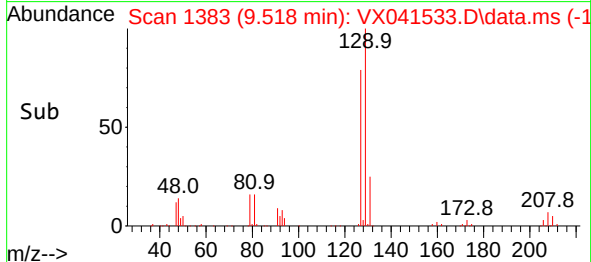
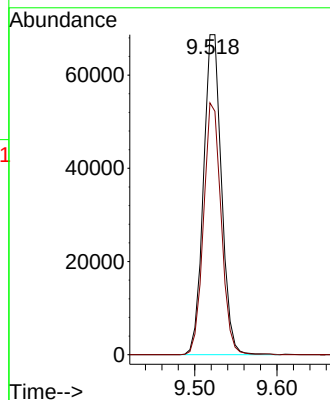
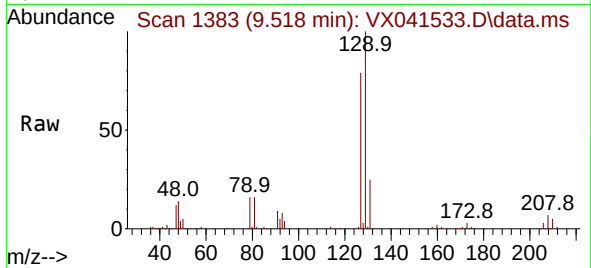
#53
Dibromochloromethane
Concen: 50.017 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 104629
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7

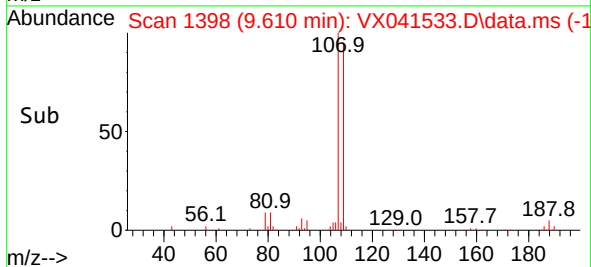
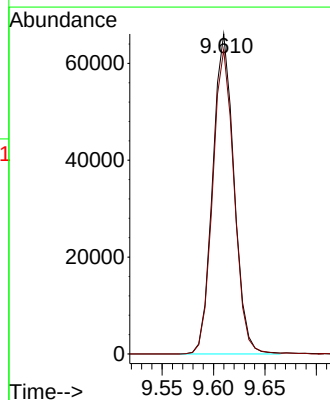
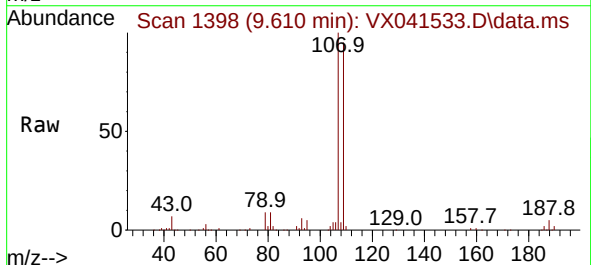
Manual Integrations
APPROVED

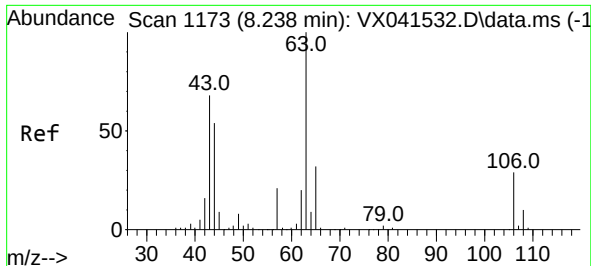
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#54
1,2-Dibromoethane
Concen: 48.881 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion:107 Resp: 95295
Ion Ratio Lower Upper
107 100
109 95.2 75.3 112.9





#55

2-Chloroethyl vinyl ether

Concen: 245.364 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 35439

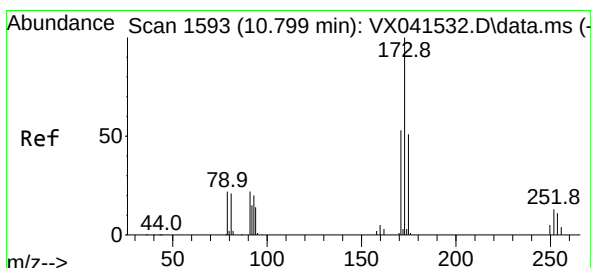
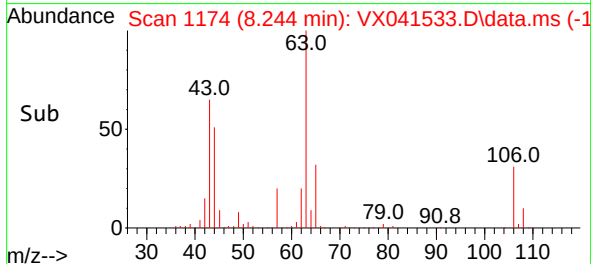
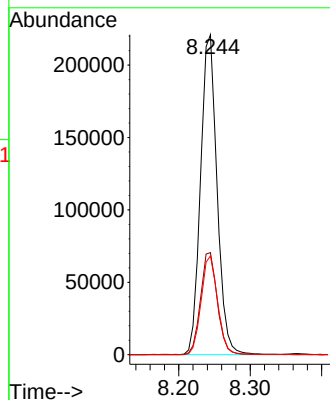
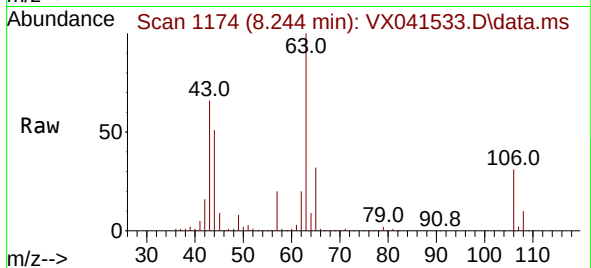
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	30.9	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#56

Bromoform

Concen: 50.115 ug/l

RT: 10.799 min Scan# 1593

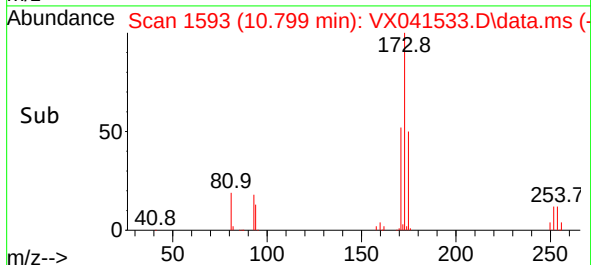
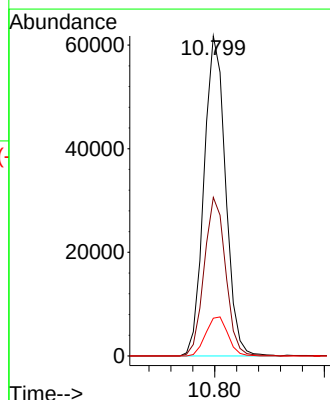
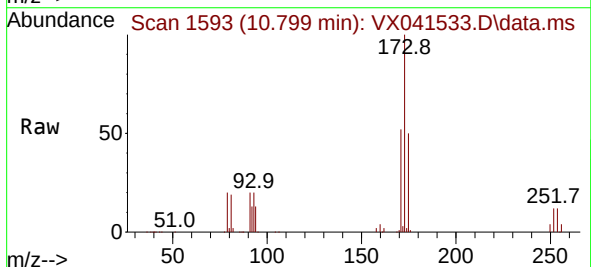
Delta R.T. 0.000 min

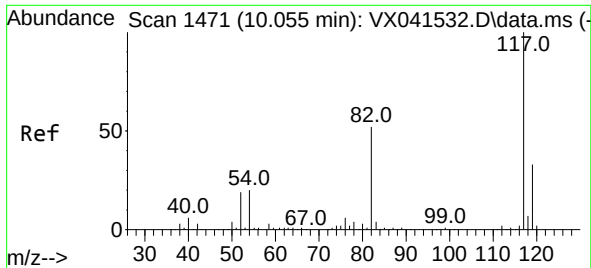
Lab File: VX041533.D

Acq: 15 May 2024 12:20

Tgt Ion:173 Resp: 84015

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.6
254	12.5	10.3	15.5





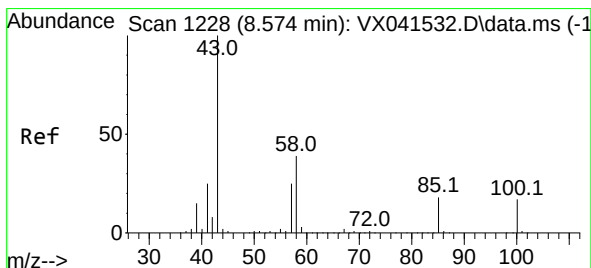
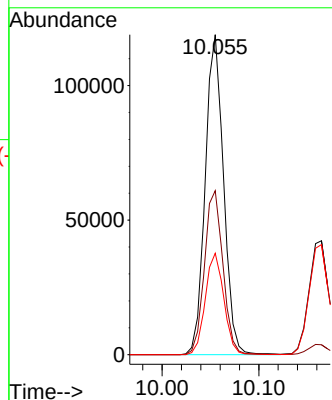
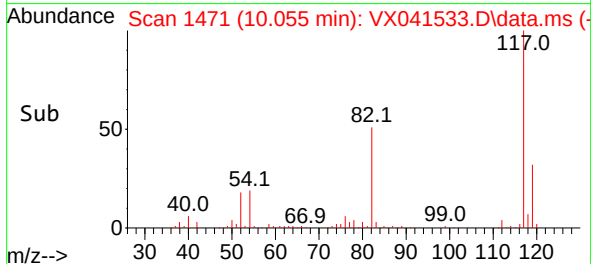
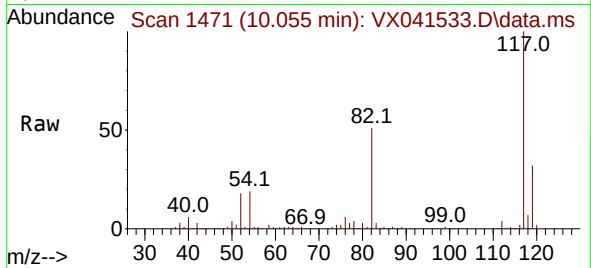
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:117 Resp: 15711
Ion Ratio Lower Upper
117 100
82 51.8 41.7 62.5
119 32.1 25.7 38.5

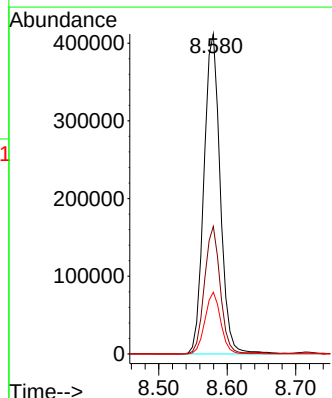
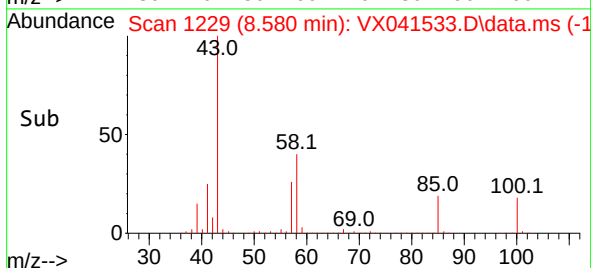
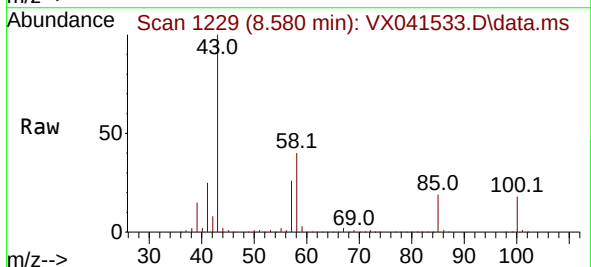
Manual Integrations
APPROVED

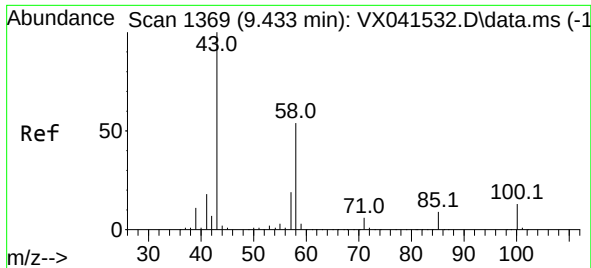
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#58
4-Methyl-2-Pentanone
Concen: 237.450 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

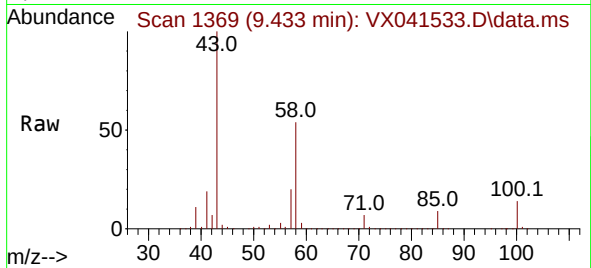
Tgt Ion: 43 Resp: 681641
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4
85 18.7 14.6 21.8





#59
2-Hexanone
Concen: 242.912 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

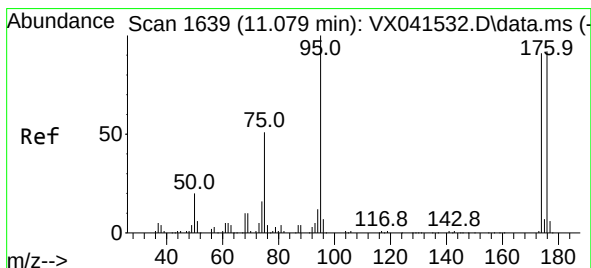
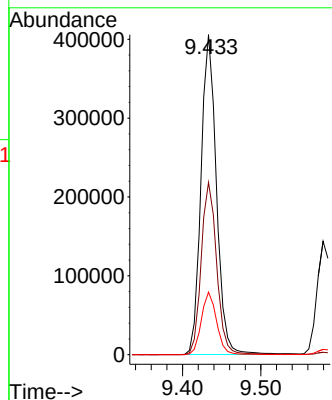
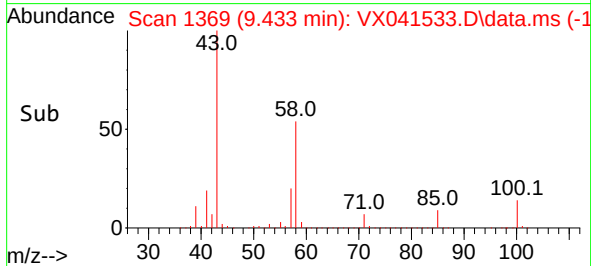
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 555510
Ion Ratio Lower Upper
43 100
58 54.1 42.3 63.5
57 19.4 15.1 22.7

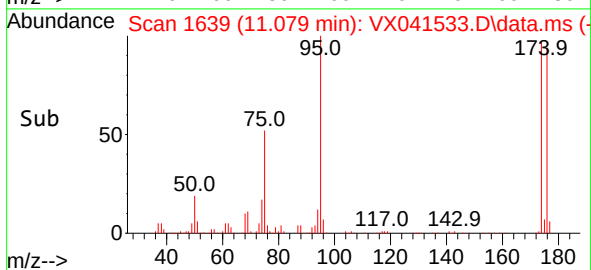
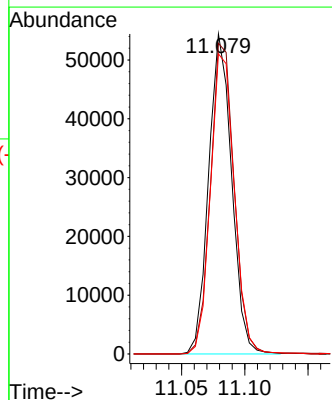
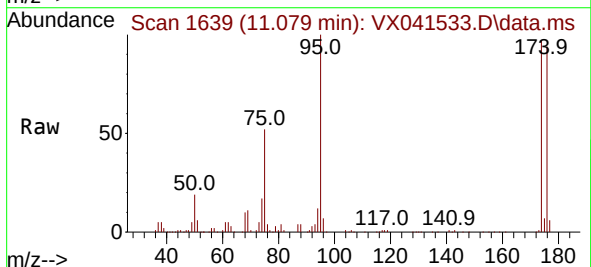
Manual Integrations
APPROVED

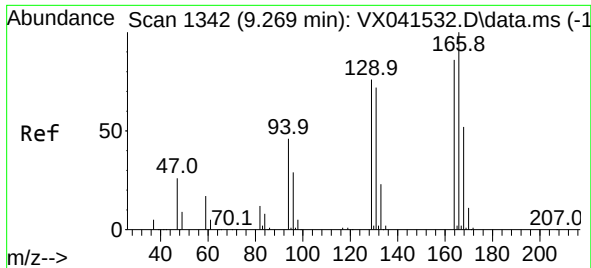
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#60
4-Bromofluorobenzene
Concen: 28.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

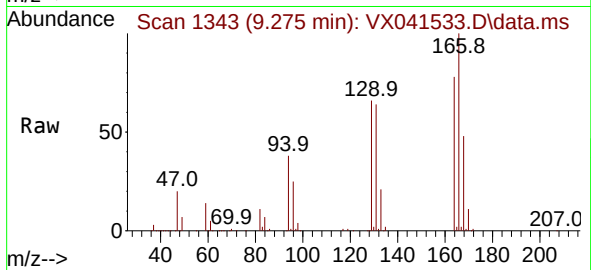
Tgt Ion: 95 Resp: 68944
Ion Ratio Lower Upper
95 100
174 99.9 76.6 115.0
176 97.3 75.4 113.0





#61
Tetrachloroethene
Concen: 49.472 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

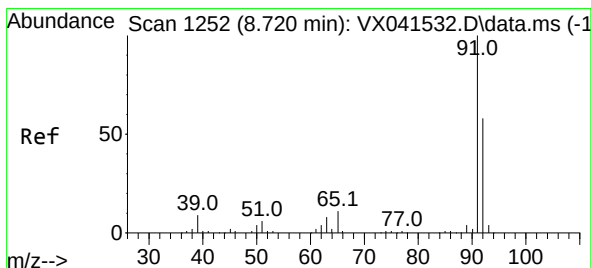
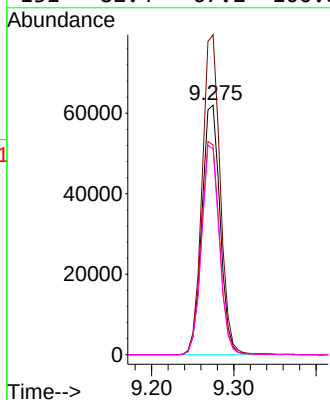
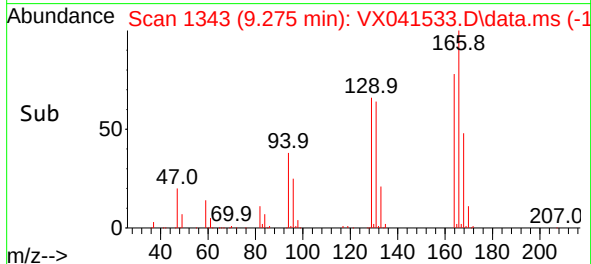
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



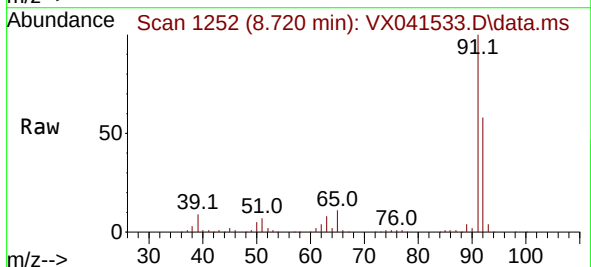
Tgt Ion:164 Resp: 95090
Ion Ratio Lower Upper
164 100
166 128.2 92.8 139.2
129 84.0 70.1 105.1
131 82.4 67.2 100.8

Manual Integrations
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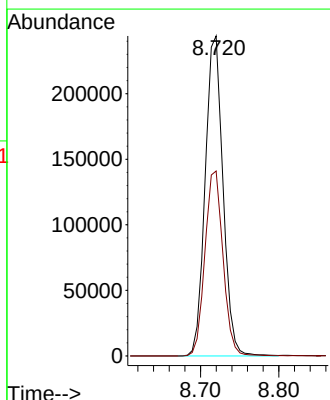
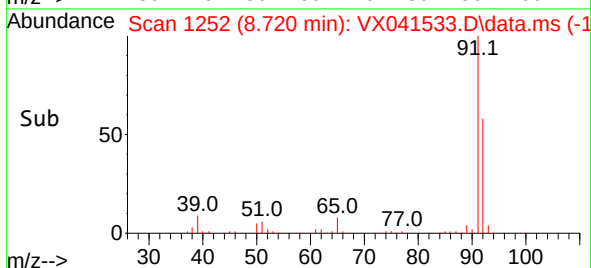
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024

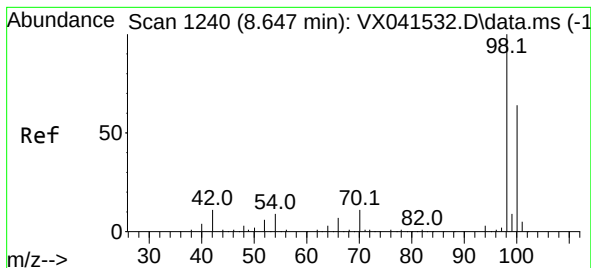


#62
Toluene
Concen: 49.161 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20



Tgt Ion: 91 Resp: 384326
Ion Ratio Lower Upper
91 100
92 58.7 47.0 70.6





#63

Toluene-d8

Concen: 29.944 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 98 Resp: 201664

Ion Ratio Lower Upper

98 100

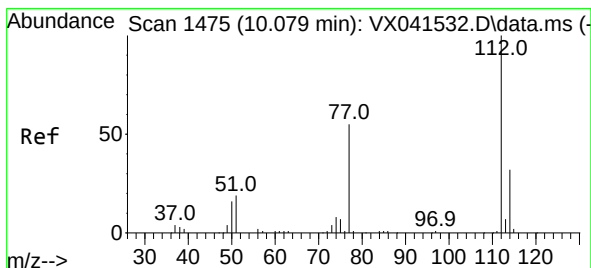
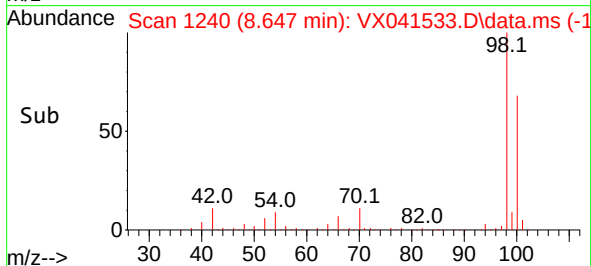
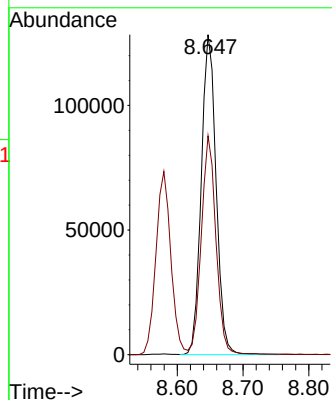
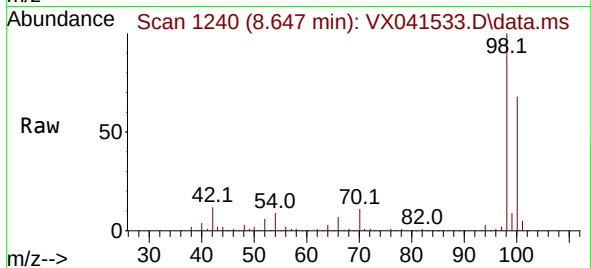
100 66.9 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#64

Chlorobenzene

Concen: 49.279 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX041533.D

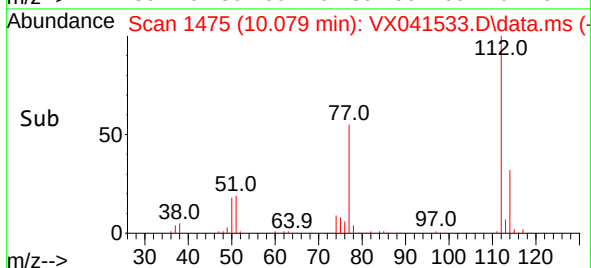
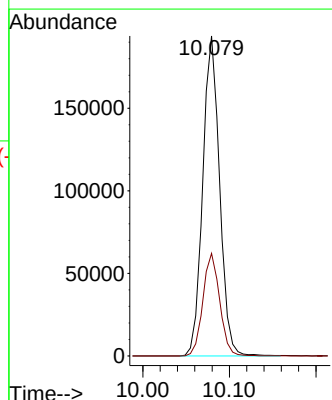
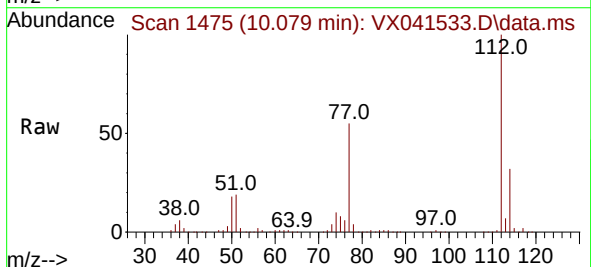
Acq: 15 May 2024 12:20

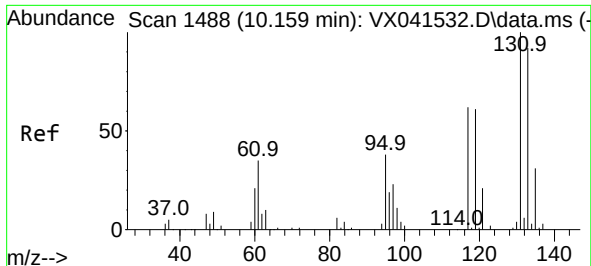
Tgt Ion:112 Resp: 261680

Ion Ratio Lower Upper

112 100

114 32.1 26.0 39.0





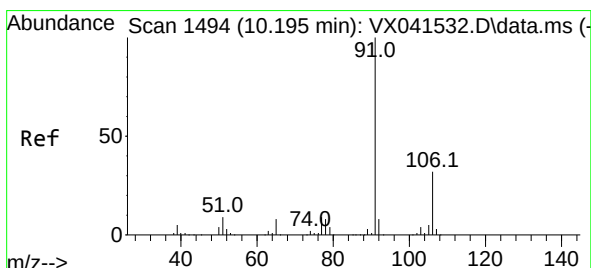
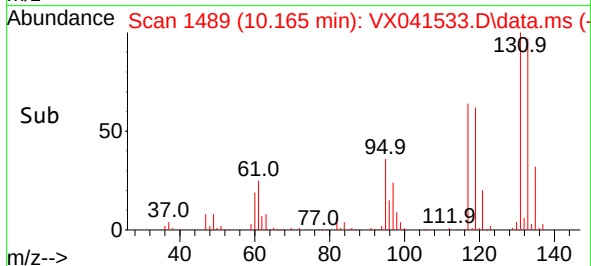
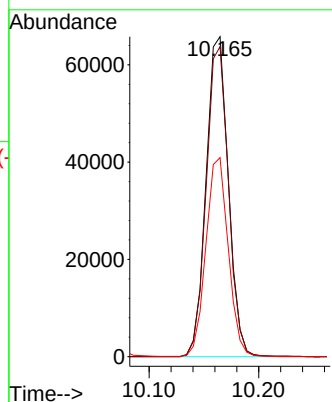
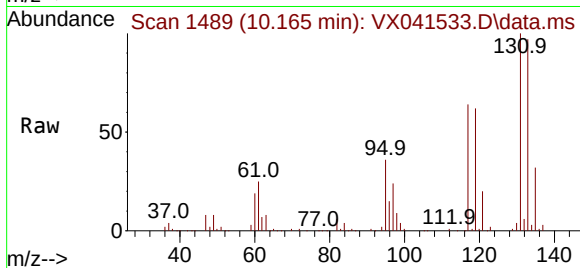
#65
1,1,1,2-Tetrachloroethane
Concen: 49.442 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion:131 Resp: 92925
Ion Ratio Lower Upper
131 100
133 96.8 0.0 191.6
119 62.5 0.0 126.4

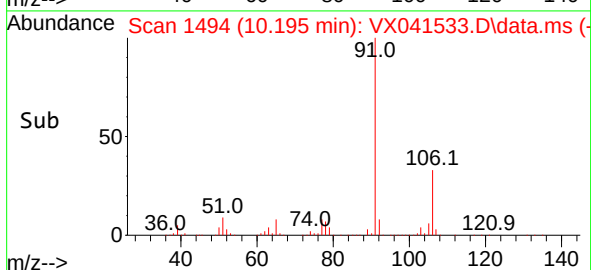
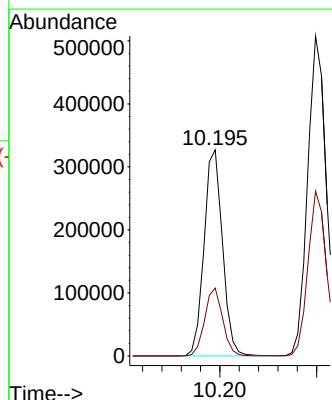
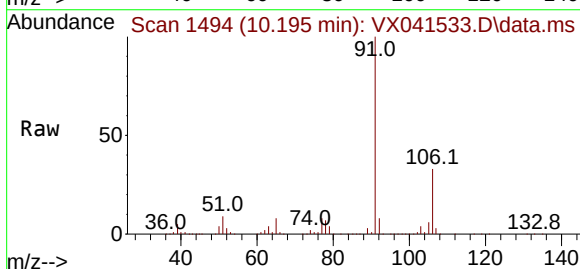
Manual Integrations
APPROVED

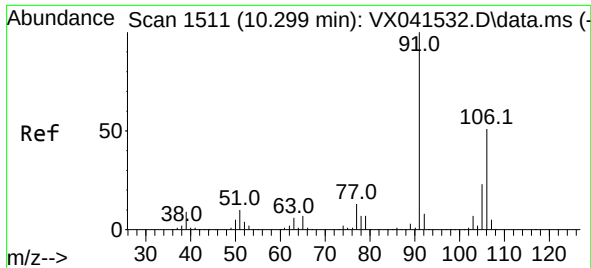
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#66
Ethyl Benzene
Concen: 49.910 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 91 Resp: 433267
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9





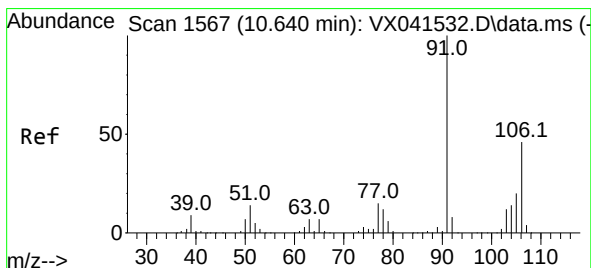
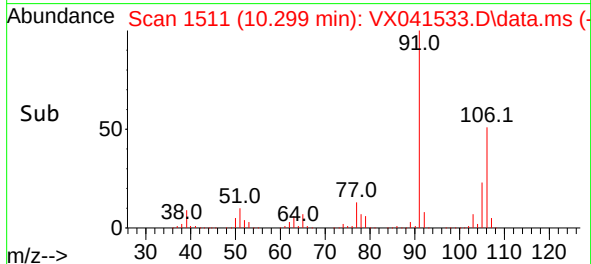
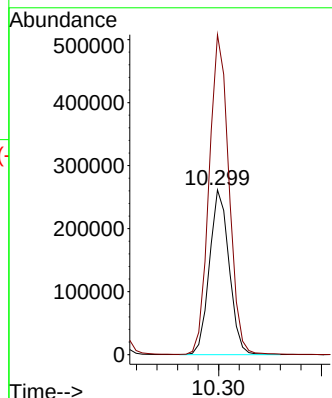
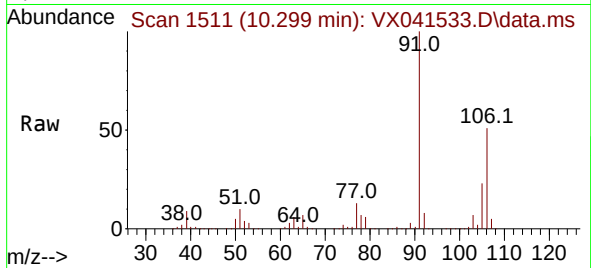
#67
m/p-Xylenes
Concen: 102.074 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 346498
Ion Ratio Lower Upper
106 100
91 195.7 156.5 234.7

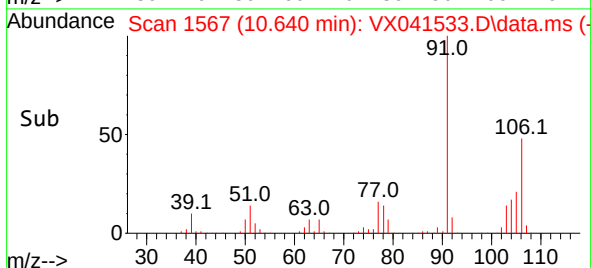
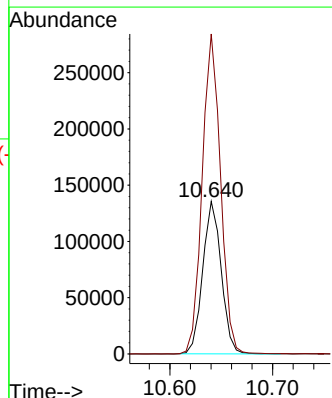
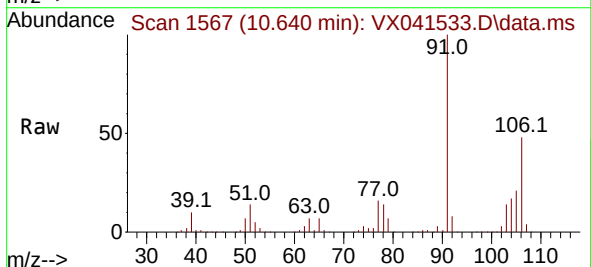
Manual Integrations
APPROVED

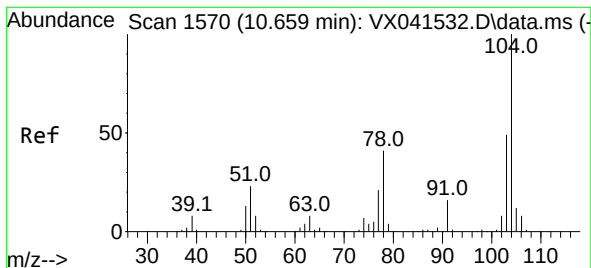
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#68
o-Xylene
Concen: 49.644 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion:106 Resp: 169632
Ion Ratio Lower Upper
106 100
91 208.5 105.2 315.6





#69

Styrene

Concen: 50.181 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

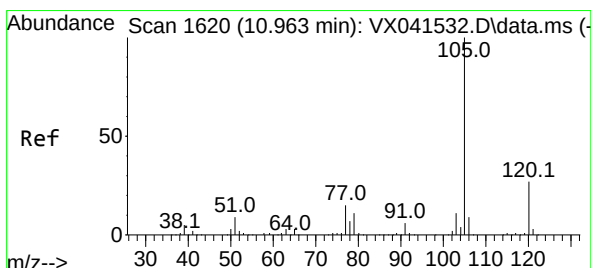
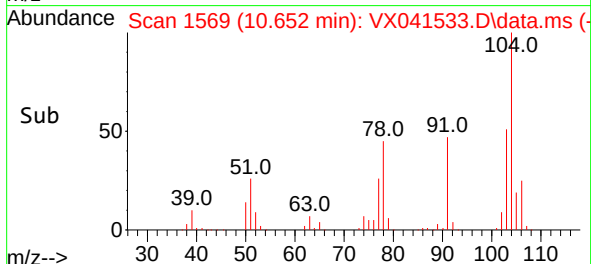
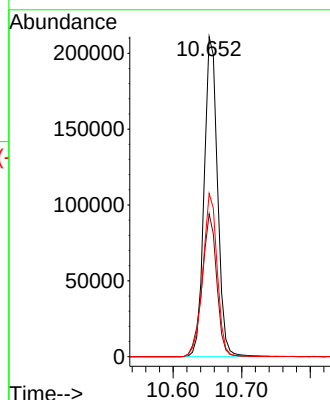
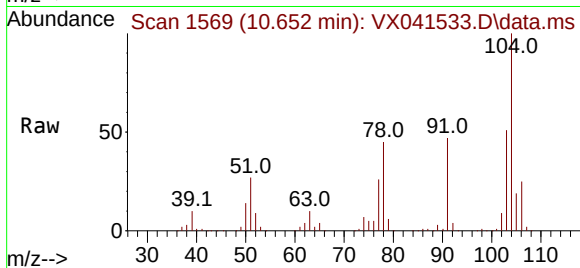
Tgt Ion:104 Resp: 28749
 Ion Ratio Lower Upper
 104 100
 78 48.6 39.3 58.9
 103 54.7 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#70

Isopropylbenzene

Concen: 46.404 ug/l

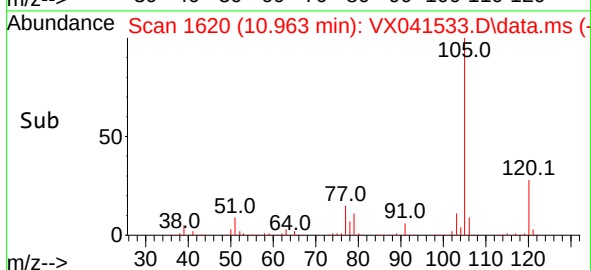
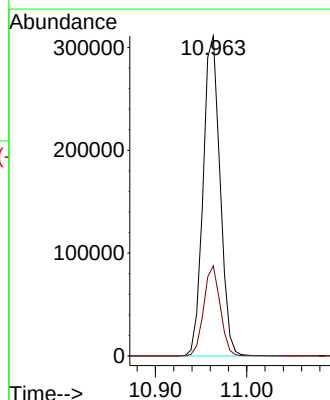
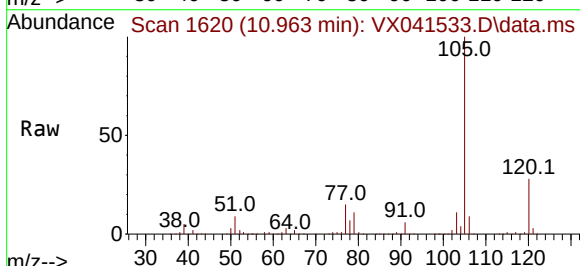
RT: 10.963 min Scan# 1620

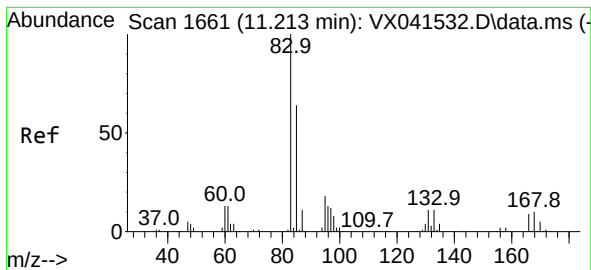
Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Tgt Ion:105 Resp: 400665
 Ion Ratio Lower Upper
 105 100
 120 27.5 18.8 34.8





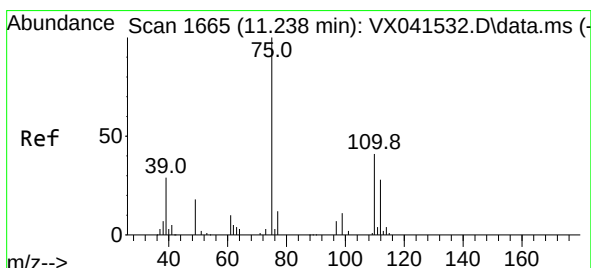
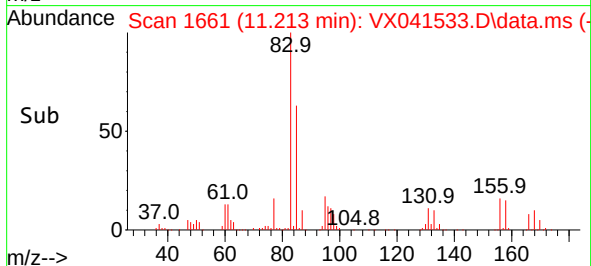
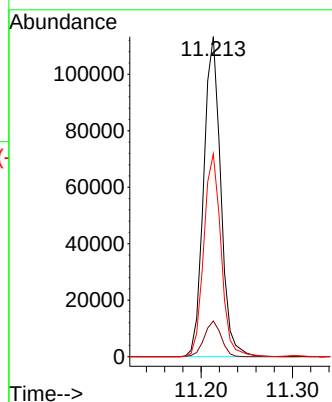
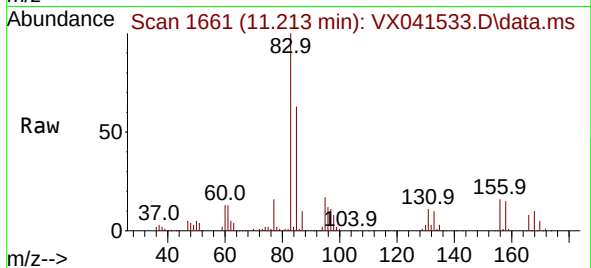
#71
1,1,2,2-Tetrachloroethane
Concen: 49.499 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 146819
Ion Ratio Lower Upper
83 100
131 11.1 5.7 17.0
85 64.0 32.3 96.8

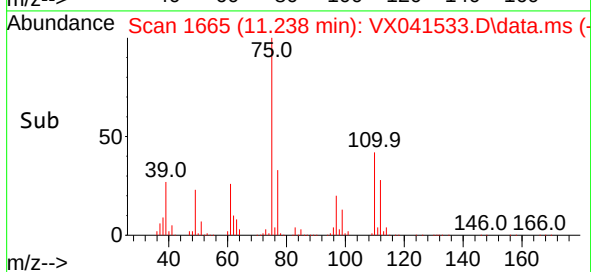
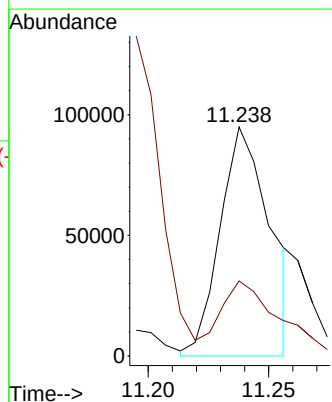
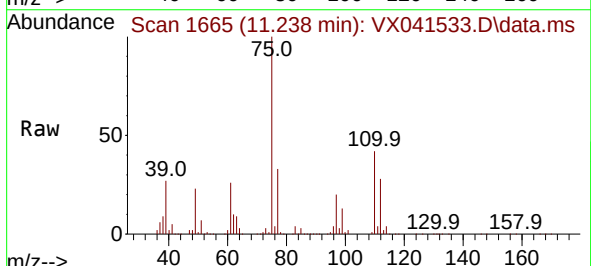
Manual Integrations
APPROVED

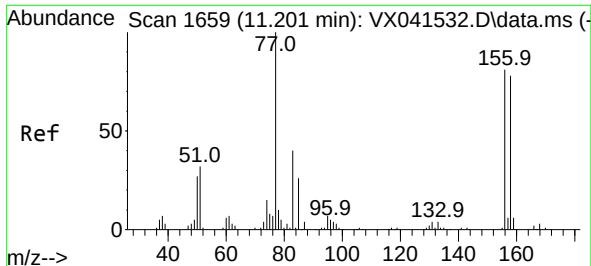
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#72
1,2,3-Trichloropropane
Concen: 51.904 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

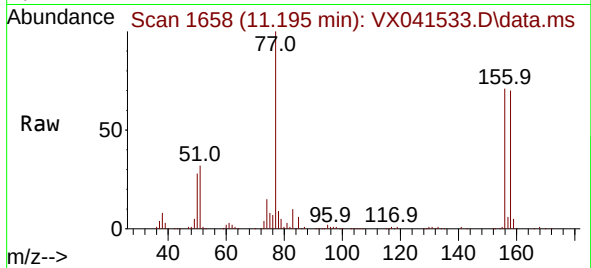
Tgt Ion: 75 Resp: 135823
Ion Ratio Lower Upper
75 100
77 39.3 0.0 78.8





#73
Bromobenzene
Concen: 49.187 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

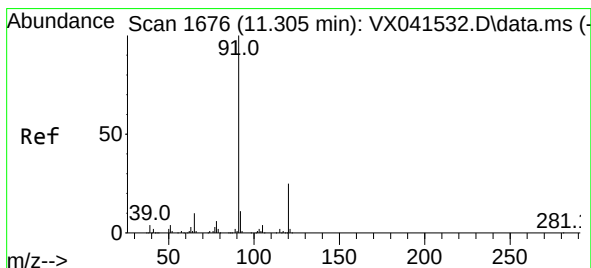
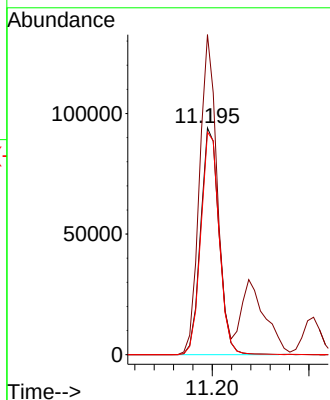
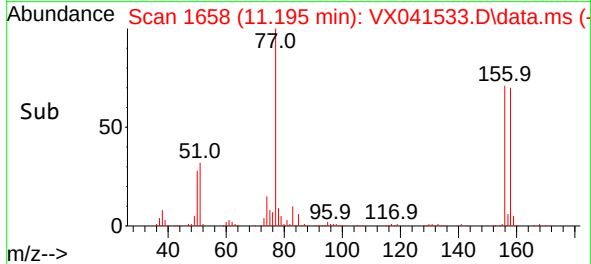
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



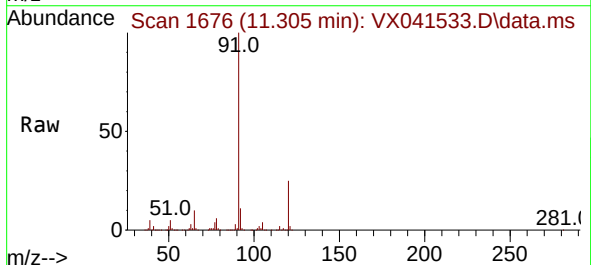
Tgt Ion:156 Resp: 124788
Ion Ratio Lower Upper
156 100
77 134.5 0.0 267.4
158 97.9 0.0 192.8

Manual Integrations
APPROVED

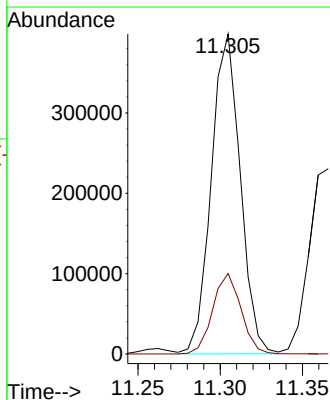
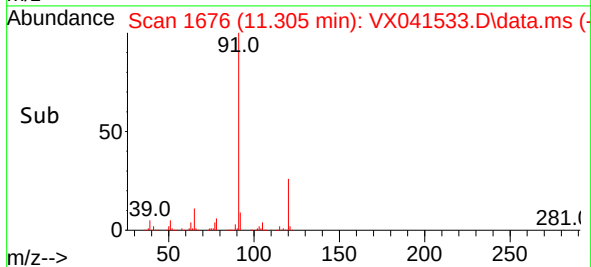
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024

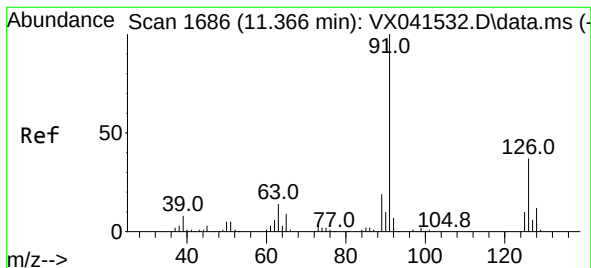


#74
n-propylbenzene
Concen: 50.144 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20



Tgt Ion: 91 Resp: 488204
Ion Ratio Lower Upper
91 100
120 24.6 0.0 48.4





#75

2-Chlorotoluene

Concen: 49.380 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 91 Resp: 30190

Ion Ratio Lower Upper

91 100

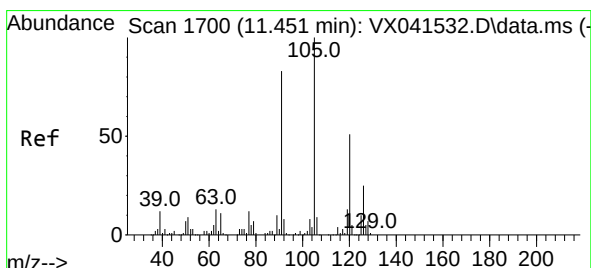
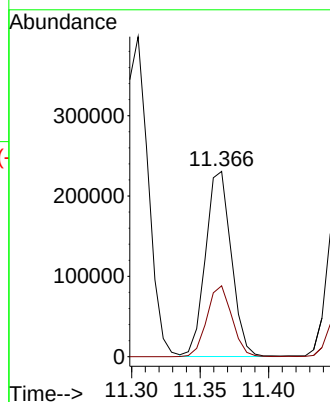
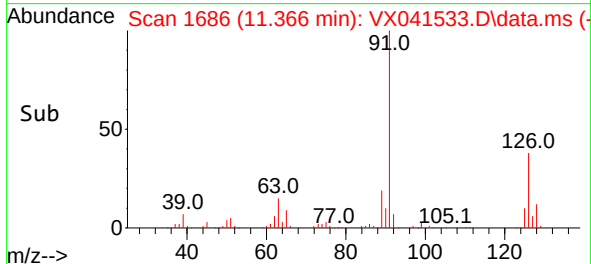
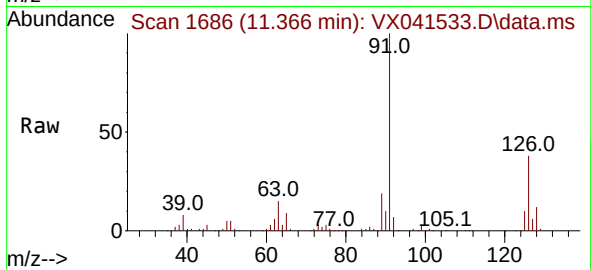
126 37.1 0.0 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#76

1,3,5-Trimethylbenzene

Concen: 49.922 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041533.D

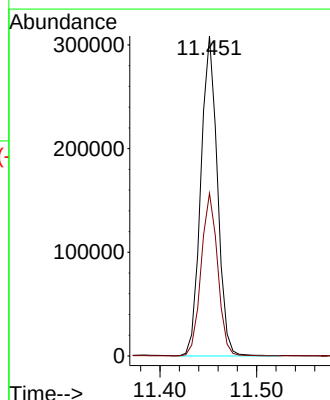
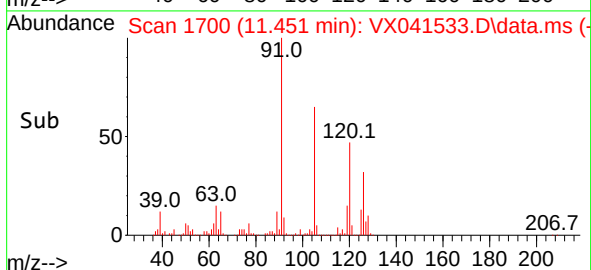
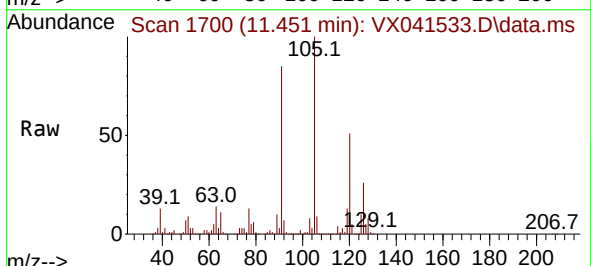
Acq: 15 May 2024 12:20

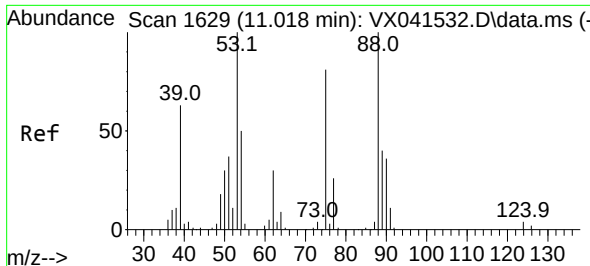
Tgt Ion:105 Resp: 367916

Ion Ratio Lower Upper

105 100

120 50.8 0.0 102.6





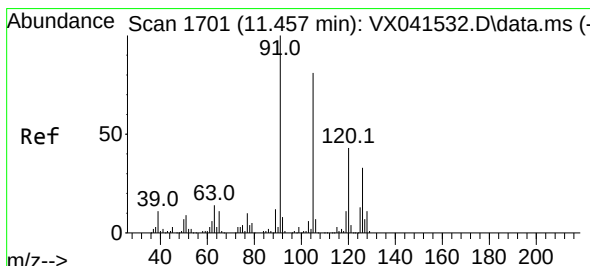
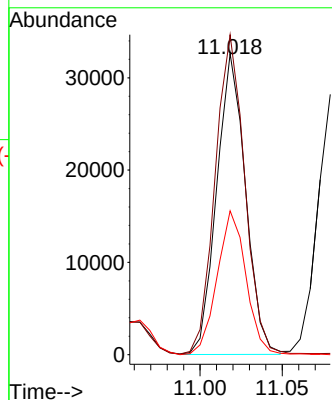
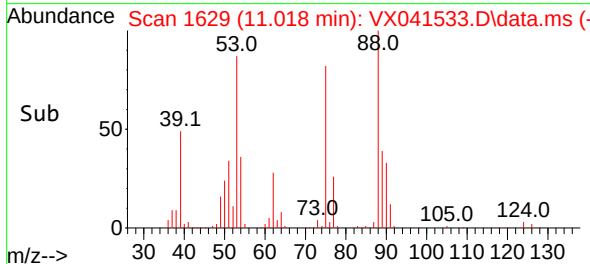
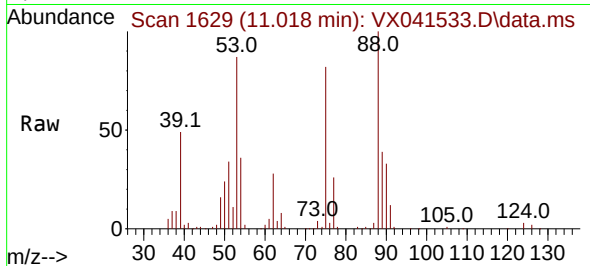
#77
t-1,4-Dichloro-2-butene
Concen: 47.197 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 3968
Ion Ratio Lower Upper
75 100
53 106.3 61.8 185.3
89 47.9 24.9 74.7

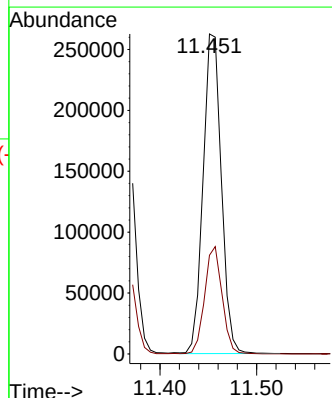
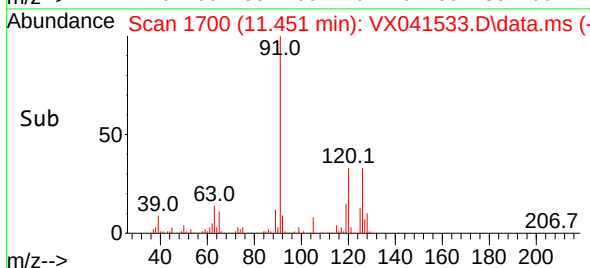
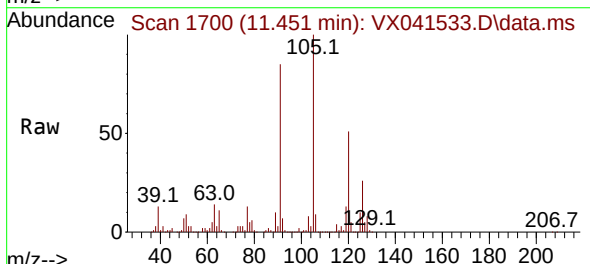
Manual Integrations
APPROVED

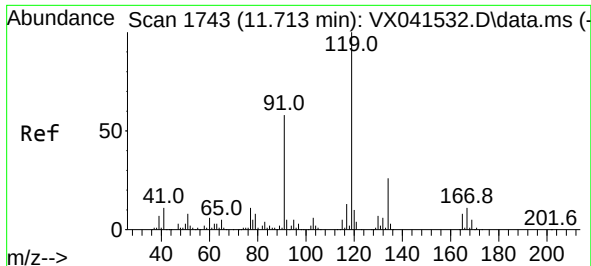
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#78
4-Chlorotoluene
Concen: 49.603 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion: 91 Resp: 345412
Ion Ratio Lower Upper
91 100
126 32.2 0.0 62.2





#79

tert-butylbenzene

Concen: 49.769 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

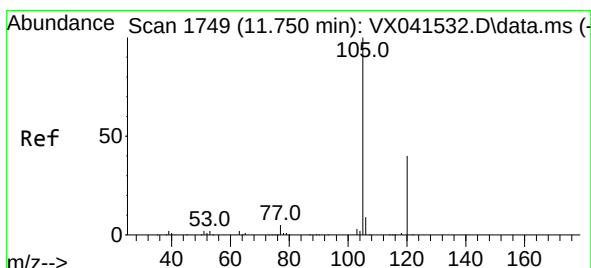
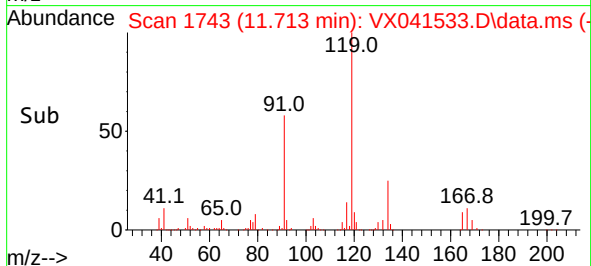
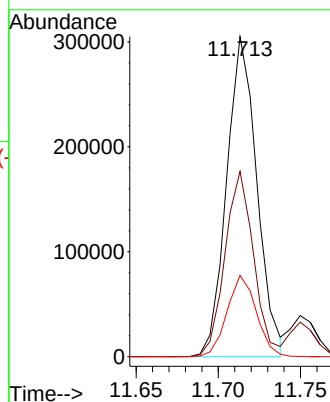
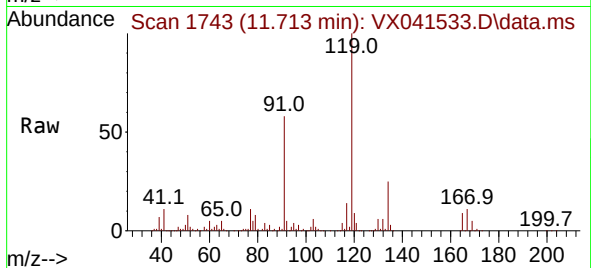
Tgt Ion:	119	Resp:	39038
Ion Ratio	Lower	Upper	
119	100		
91	54.8	0.0	110.0
134	24.6	0.0	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#80

1,2,4-Trimethylbenzene

Concen: 50.058 ug/l

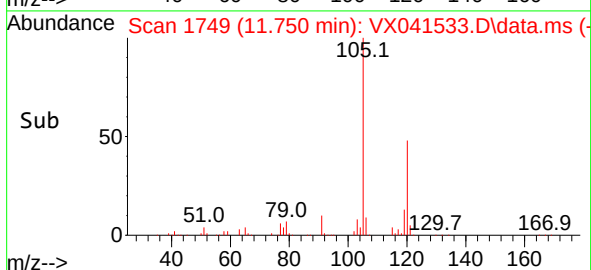
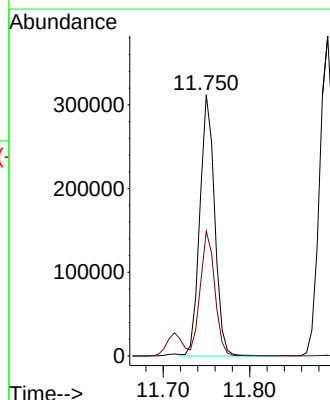
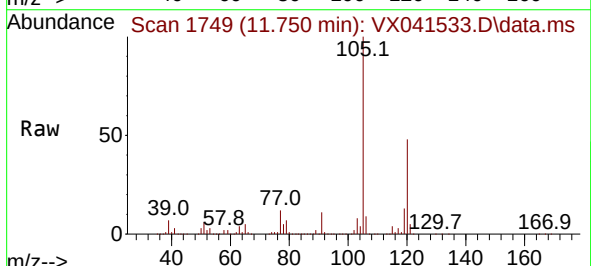
RT: 11.750 min Scan# 1749

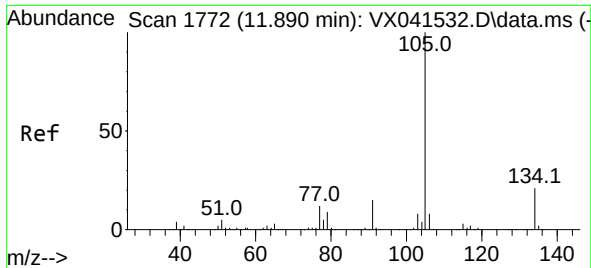
Delta R.T. 0.000 min

Lab File: VX041533.D

Acq: 15 May 2024 12:20

Tgt Ion:	105	Resp:	369773
Ion Ratio	Lower	Upper	
105	100		
120	46.8	0.0	92.2





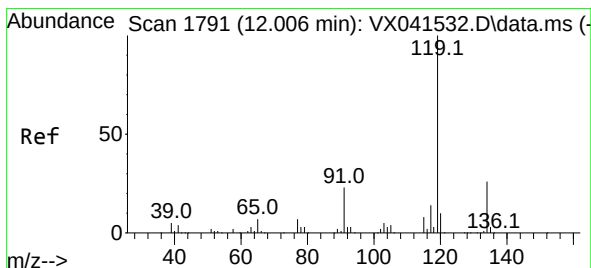
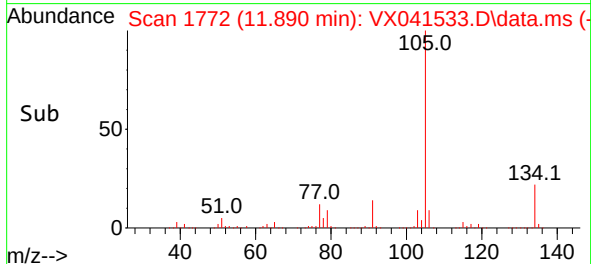
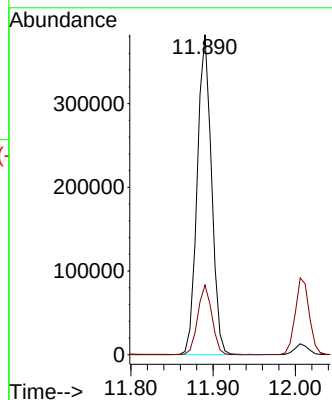
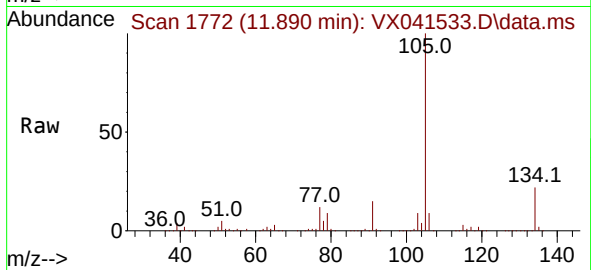
#81
 sec-Butylbenzene
 Concen: 50.270 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 460759
 Ion Ratio Lower Upper
 105 100
 134 21.6 0.0 43.4

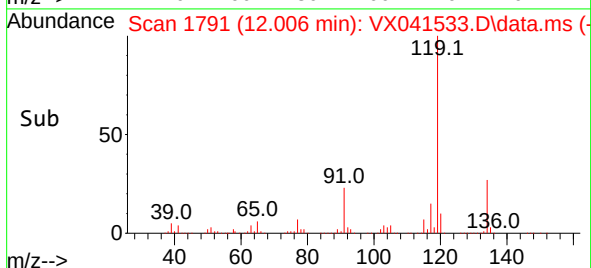
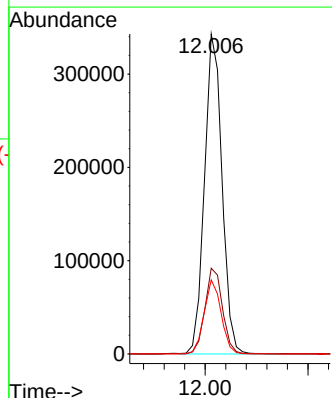
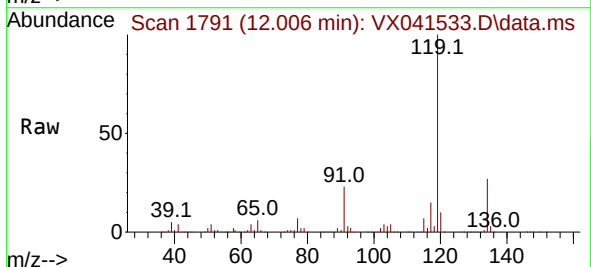
Manual Integrations
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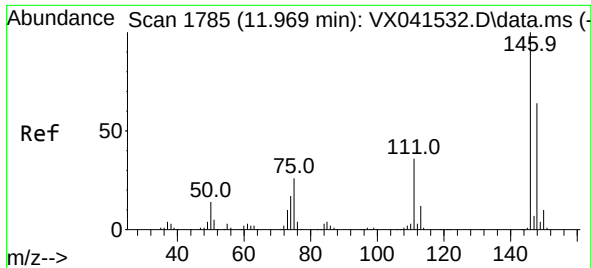
Reviewed By :John Carlone 05/16/2024
 Supervised By :Mahesh Dadoda 05/16/2024



#82
 p-Isopropyltoluene
 Concen: 50.789 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

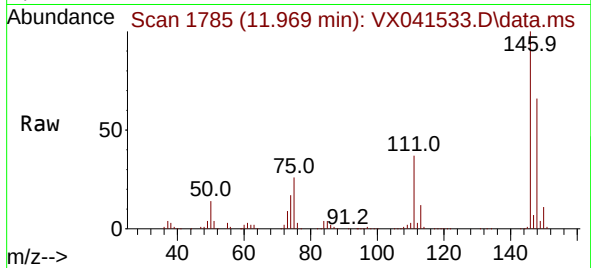
Tgt Ion:119 Resp: 407505
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.4
 91 22.2 0.0 44.8





#83
 1,3-Dichlorobenzene
 Concen: 49.437 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20

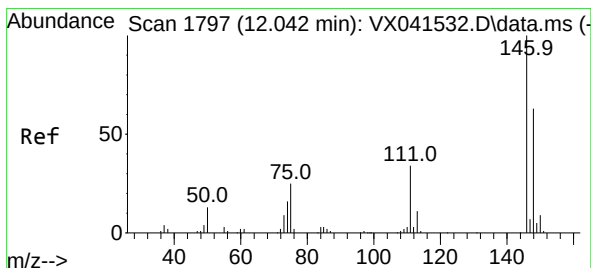
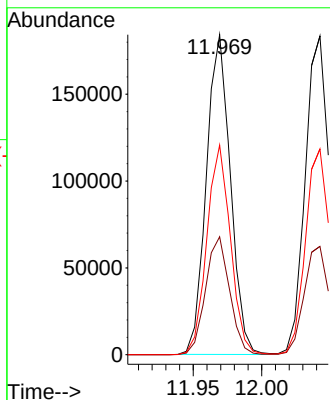
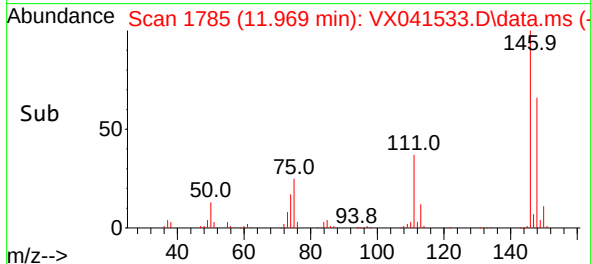
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050



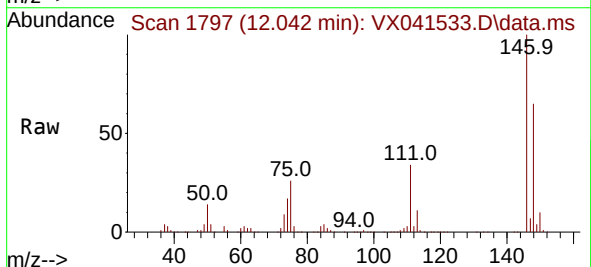
Tgt Ion:146 Resp: 22494
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.2
 148 64.5 32.3 96.9

Manual Integrations
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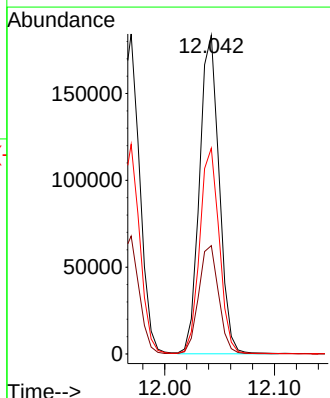
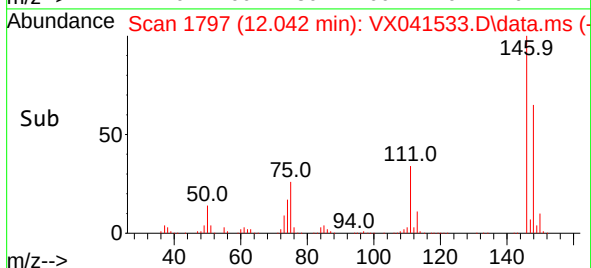
Reviewed By :John Carlone 05/16/2024
 Supervised By :Mahesh Dadoda 05/16/2024

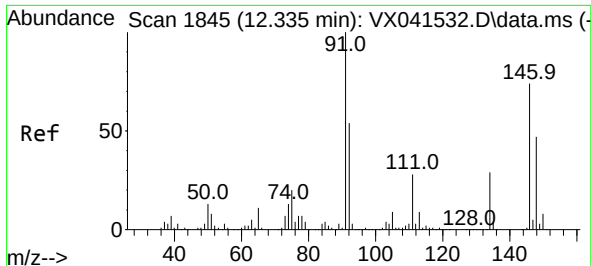


#84
 1,4-Dichlorobenzene
 Concen: 49.707 ug/l
 RT: 12.042 min Scan# 1797
 Delta R.T. 0.000 min
 Lab File: VX041533.D
 Acq: 15 May 2024 12:20



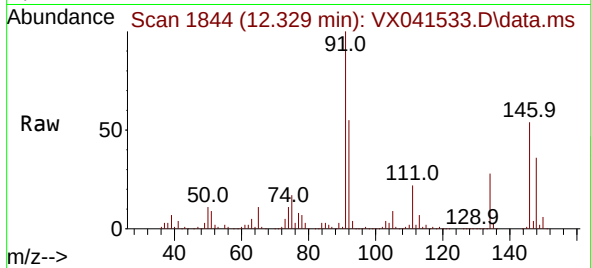
Tgt Ion:146 Resp: 228527
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.8 53.5
 148 64.5 31.9 95.5





#85
n-Butylbenzene
Concen: 50.519 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

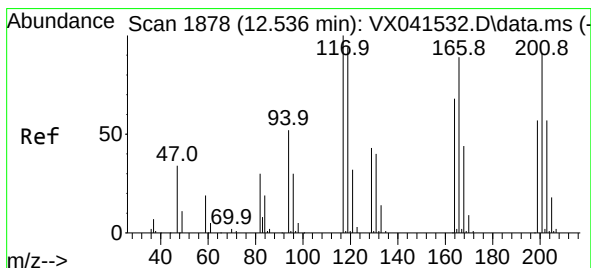
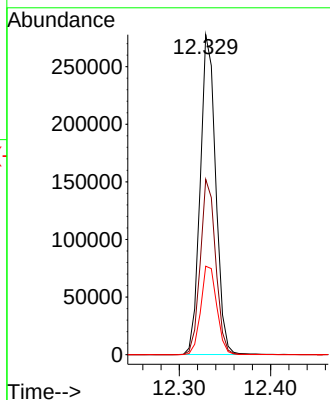
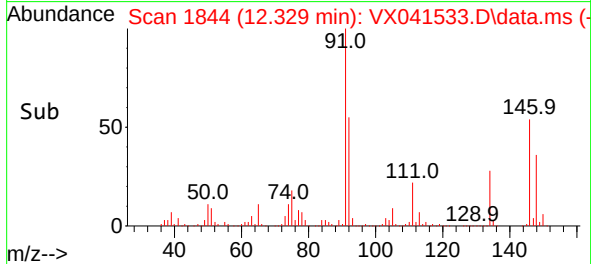
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



Tgt Ion: 91 Resp: 326168
Ion Ratio Lower Upper
91 100
92 54.4 0.0 108.4
134 28.6 0.0 56.6

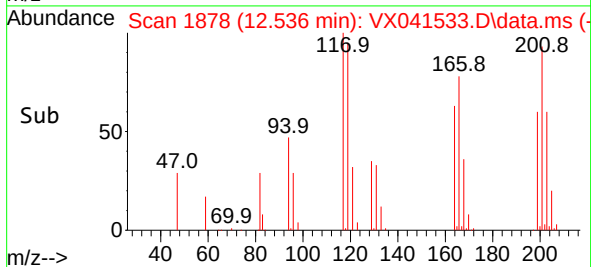
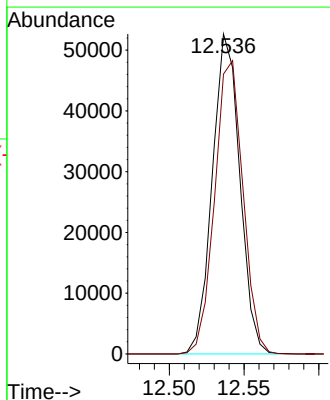
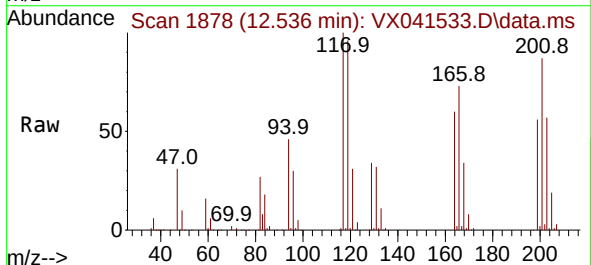
Manual Integrations
APPROVED

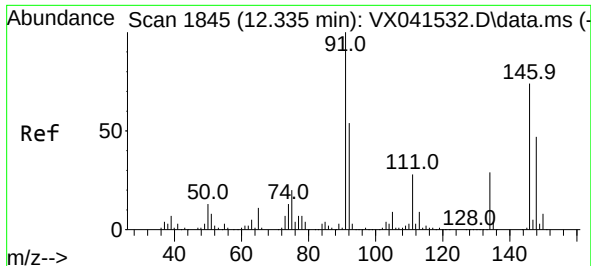
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#86
Hexachloroethane
Concen: 49.799 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

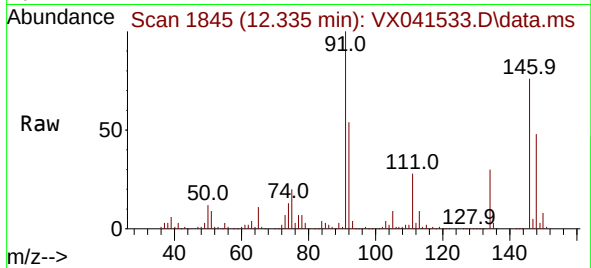
Tgt Ion:117 Resp: 67281
Ion Ratio Lower Upper
117 100
201 94.5 47.3 141.8





#87
1,2-Dichlorobenzene
Concen: 49.201 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

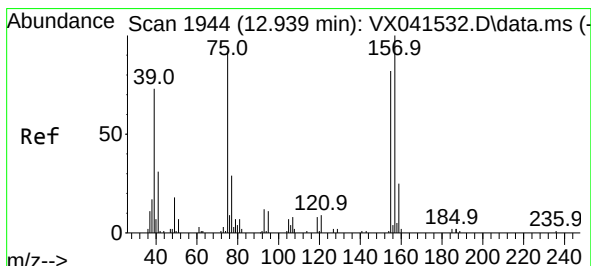
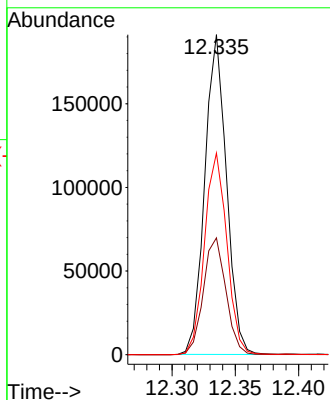
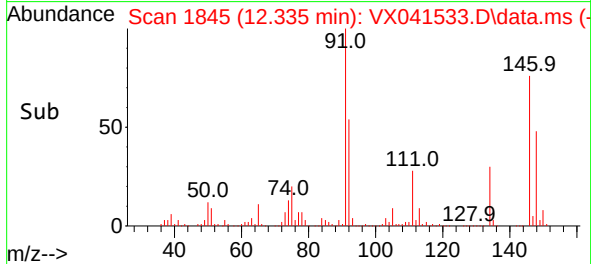
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050



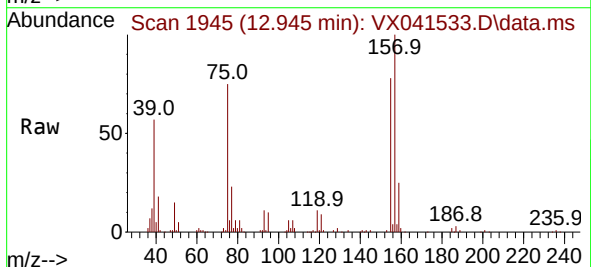
Tgt Ion:146 Resp: 22849
Ion Ratio Lower Upper
146 100
111 38.0 19.3 57.9
148 64.7 31.8 95.4

Manual Integrations
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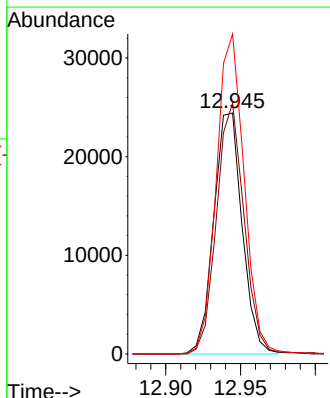
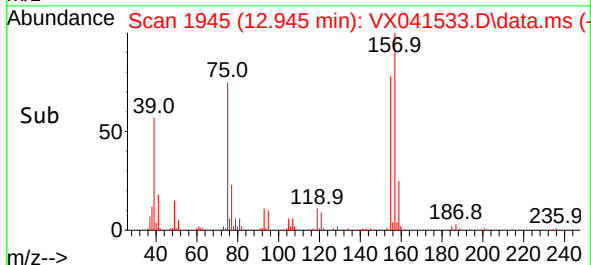
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024

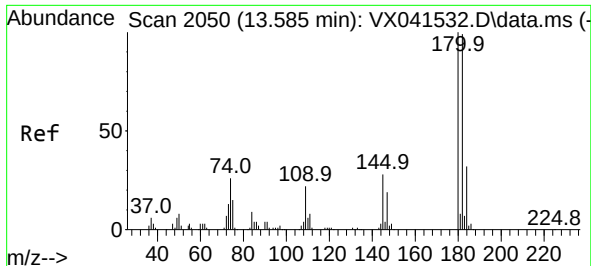


#88
1,2-Dibromo-3-Chloropropane
Concen: 49.607 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20



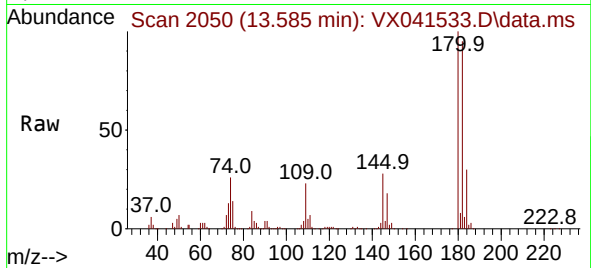
Tgt Ion: 75 Resp: 32314
Ion Ratio Lower Upper
75 100
155 100.6 80.4 120.6
157 129.7 102.2 153.2





#89
1,2,4-Trichlorobenzene
Concen: 51.183 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

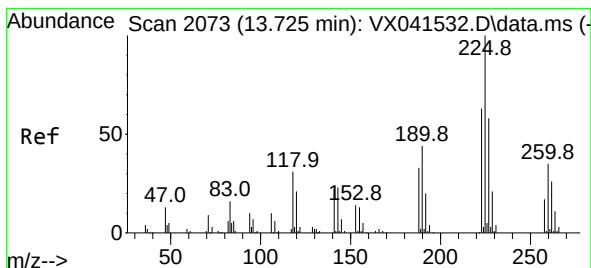
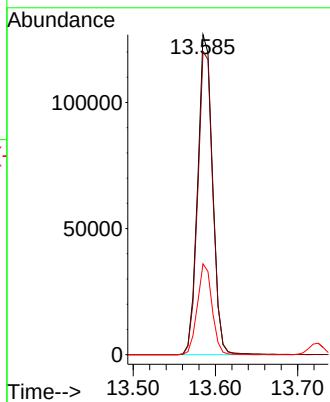
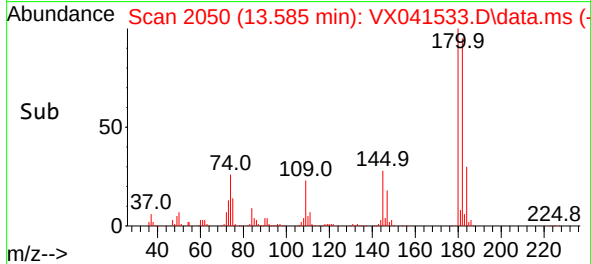
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



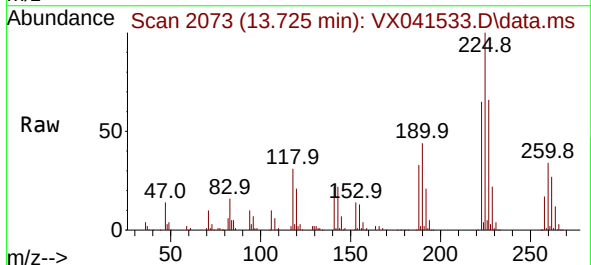
Tgt Ion:180 Resp: 159719
Ion Ratio Lower Upper
180 100
182 95.6 77.0 115.4
145 27.9 22.7 34.1

Manual Integrations
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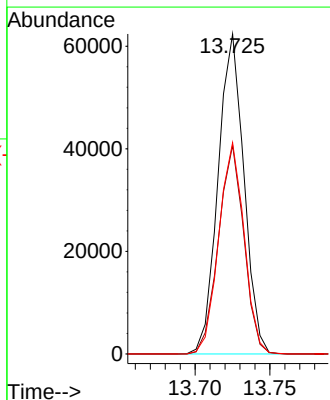
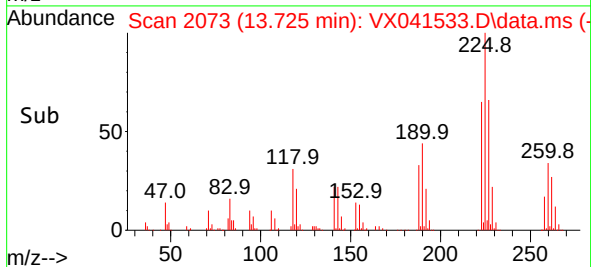
Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024

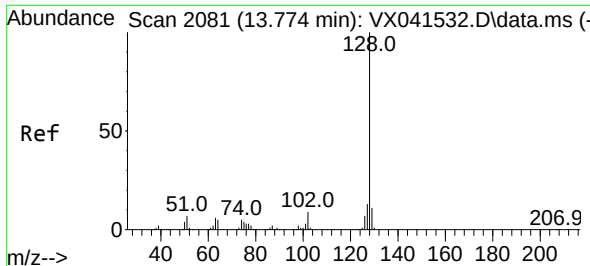


#90
Hexachlorobutadiene
Concen: 49.278 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20



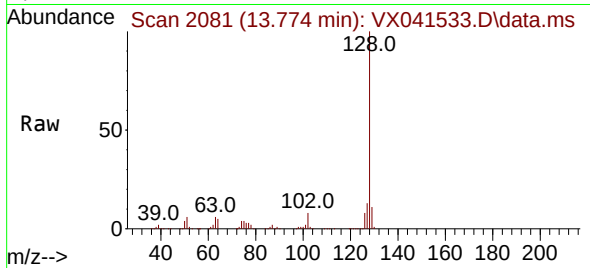
Tgt Ion:225 Resp: 75019
Ion Ratio Lower Upper
225 100
223 64.0 0.0 125.8
227 64.7 0.0 125.6





#91
Naphthalene
Concen: 51.823 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

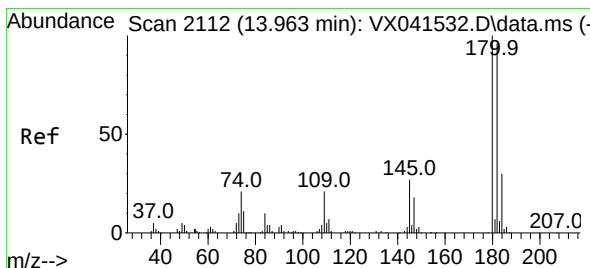
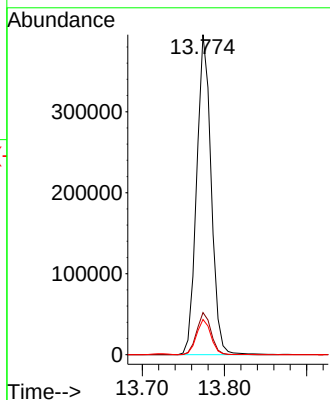
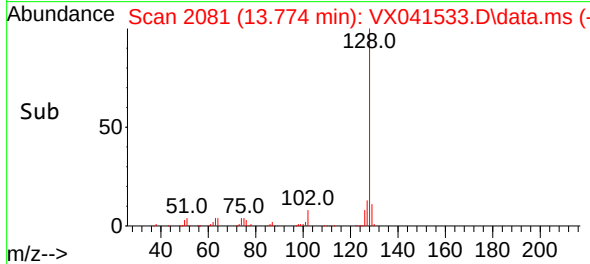
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion:128 Resp: 483328
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 05/16/2024
Supervised By :Mahesh Dadoda 05/16/2024



#92
1,2,3-Trichlorobenzene
Concen: 47.735 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX041533.D
Acq: 15 May 2024 12:20

Tgt Ion:180 Resp: 152185
Ion Ratio Lower Upper
180 100
182 95.4 0.0 191.0
145 28.9 0.0 58.6

