

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022425\
 Data File : VX045027.D
 Acq On : 24 Feb 2025 16:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/25/2025
 Supervised By : Mahesh Dadoda 02/25/2025

Quant Time: Feb 25 00:31:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	19280	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	106629	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	98509	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	57294	30.596	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.000%			
60) 4-Bromofluorobenzene	11.079	95	54742	29.731	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.100%			
63) Toluene-d8	8.641	98	160575	29.465	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32233	19.832	ug/l	96
3) Chloromethane	1.307	50	36503	18.752	ug/l	98
4) Vinyl Chloride	1.367	62	35757	19.036	ug/l	96
5) Bromomethane	1.593	94	12520	19.148	ug/l	99
6) Chloroethane	1.672	64	18071	17.763	ug/l	94
7) Trichlorofluoromethane	1.880	101	50595	20.041	ug/l	96
8) Diethyl Ether	2.130	74	18062	18.909	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	29185	19.464	ug/l	99
10) 1,1-Dichloroethene	2.312	96	28139	19.213	ug/l	95
11) Methyl Iodide	2.447	142	28445	17.160	ug/l	97
12) Methyl Acetate	2.697	43	38473	22.621	ug/l	94
13) Acrolein	2.233	56	39339	115.397	ug/l	99
14) Acrylonitrile	3.056	53	90229	108.613	ug/l	98
15) Acetone	2.373	58	24164	106.058	ug/l	99
16) Carbon Disulfide	2.501	76	77398	18.631	ug/l	97
17) Allyl chloride	2.654	41	53504	19.532	ug/l	97
18) Methylene Chloride	2.782	84	32392	19.663	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	28210	19.038	ug/l	90
20) Diisopropyl ether	3.751	45	99738	18.947	ug/l	96
21) 1,1-Dichloroethane	3.605	63	56976	19.462	ug/l	99
22) cis-1,2-Dichloroethene	4.477	96	33530	18.883	ug/l	98
23) tert-Butyl Alcohol	2.959	59	32641	112.549	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	91670	19.177	ug/l	99
25) Chloroform	5.080	83	55001	19.450	ug/l	100
26) Cyclohexane	5.458	56	51210	18.951	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	37533	19.135	ug/l	99
30) 2-Butanone	4.550	43	125650	110.907	ug/l	99
31) 2,2-Dichloropropane	4.465	77	41385	18.659	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	46455	19.547	ug/l	99
33) Carbon Tetrachloride	5.665	117	39288	19.588	ug/l	96
34) Benzene	6.031	78	121003	19.672	ug/l	98
35) Methacrylonitrile	4.910	41	26253	21.655	ug/l	96
36) 1,2-Dichloroethane	6.080	62	40831	19.389	ug/l	97
37) Trichloroethene	7.116	130	28090	19.520	ug/l	100
38) Methylcyclohexane	7.373	83	50279	19.091	ug/l	96
39) 1,2-Dichloropropane	7.421	63	29223	19.109	ug/l	98
40) Dibromomethane	7.574	93	21313	19.422	ug/l	98
41) Bromodichloromethane	7.811	83	41952	19.235	ug/l	98
42) Vinyl Acetate	3.715	43	429727	97.746	ug/l	99

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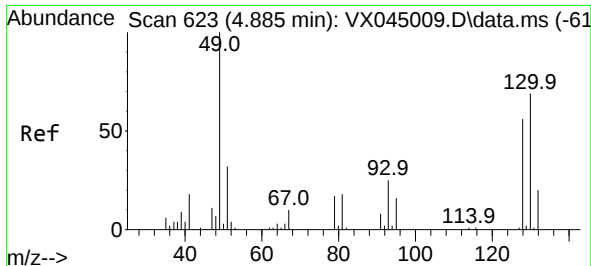
Manual Integrations
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 Supervised By : Mahesh Dadoda 02/25/2025

Quant Time: Feb 25 00:31:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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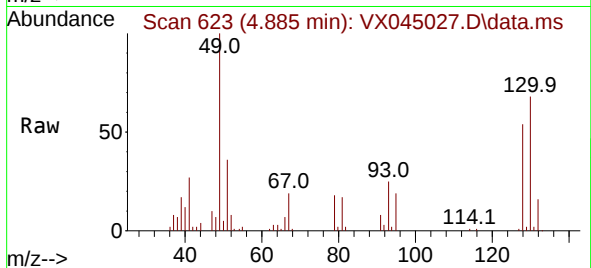
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	42973	20.226	ug/l	100
44) Isopropyl Acetate	6.330	43	72161	20.636	ug/l	99
45) 1,4-Dioxane	7.653	88	16946	466.175	ug/l	97
46) Methyl methacrylate	7.690	41	34607	20.183	ug/l	98
47) n-amyl Acetate	10.841	43	60687	20.000	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	39533	18.805	ug/l	94
49) cis-1,3-Dichloropropene	8.360	75	45403	19.078	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	29192	20.394	ug/l	98
51) Ethyl methacrylate	9.110	69	43024	19.111	ug/l	95
52) 1,3-Dichloropropane	9.305	76	49487	19.731	ug/l	99
53) Dibromochloromethane	9.518	129	31709	20.030	ug/l	97
54) 1,2-Dibromoethane	9.604	107	29634	20.388	ug/l	98
55) 2-Chloroethyl vinyl ether	8.232	63	115825	100.190	ug/l	99
56) Bromoform	10.799	173	20213	20.375	ug/l	97
58) 4-Methyl-2-Pentanone	8.567	43	244145	108.951	ug/l	100
59) 2-Hexanone	9.427	43	177738	109.733	ug/l	100
61) Tetrachloroethene	9.269	164	23696	19.534	ug/l	98
62) Toluene	8.714	91	126429	19.374	ug/l	98
64) Chlorobenzene	10.073	112	78672	19.455	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.159	131	25087	18.802	ug/l	96
66) Ethyl Benzene	10.189	91	134118	18.773	ug/l	98
67) m/p-Xylenes	10.299	106	102573	38.535	ug/l	99
68) o-Xylene	10.640	106	50850	19.470	ug/l	99
69) Styrene	10.652	104	84269	19.319	ug/l	99
70) Isopropylbenzene	10.957	105	130285	19.331	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	45578	20.565	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	37998m	20.845	ug/l	
73) Bromobenzene	11.195	156	30597	19.720	ug/l	98
74) n-propylbenzene	11.299	91	155539	19.393	ug/l	98
75) 2-Chlorotoluene	11.360	91	95197	19.633	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	109806	19.749	ug/l	99
77) t-1,4-Dichloro-2-butene	11.012	75	11485	18.727	ug/l	96
78) 4-Chlorotoluene	11.451	91	105157	19.455	ug/l	98
79) tert-butylbenzene	11.713	119	111133	19.837	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	108297	19.444	ug/l	98
81) sec-Butylbenzene	11.884	105	139903	19.898	ug/l	100
82) p-Isopropyltoluene	12.006	119	113477	19.919	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	56124	19.442	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	56601	19.886	ug/l	100
85) n-Butylbenzene	12.329	91	99008	19.032	ug/l	98
86) Hexachloroethane	12.536	117	19557	19.465	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	57047	20.140	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	8585	20.007	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	32535	18.952	ug/l	98
90) Hexachlorobutadiene	13.725	225	13451	19.213	ug/l	94
91) Naphthalene	13.774	128	118821	19.629	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	32951	18.644	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.885 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

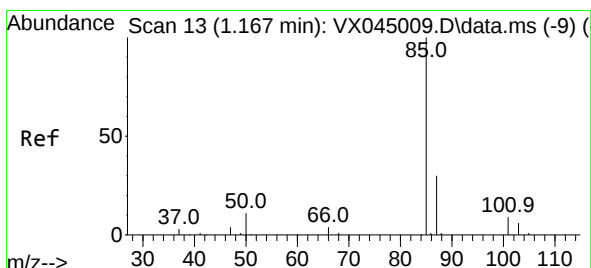
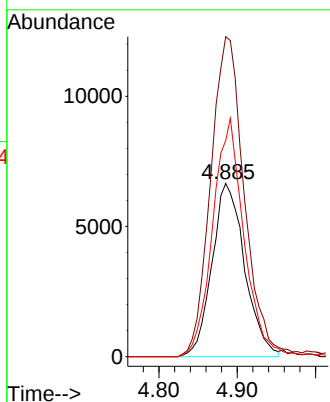
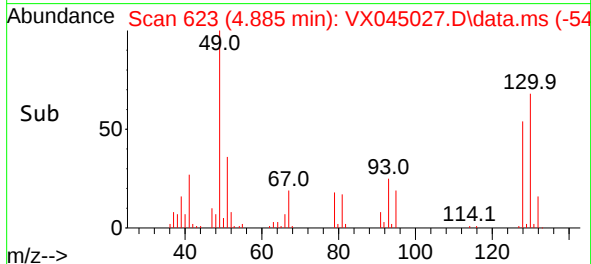
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



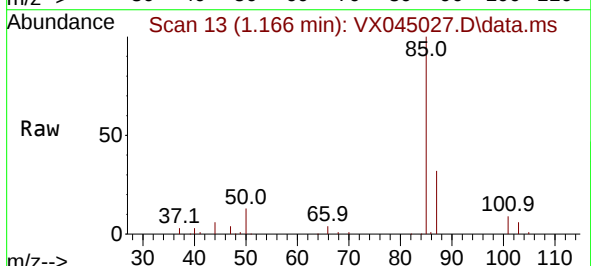
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Ion Ratio Lower Upper
128 100
49 190.5 0.0 449.7
130 132.1 0.0 312.7

Manual Integrations
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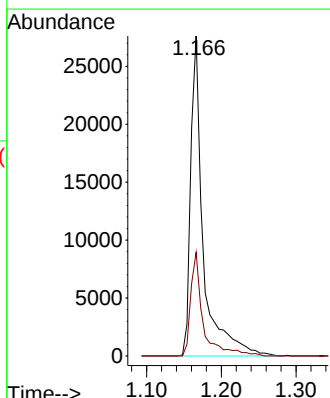
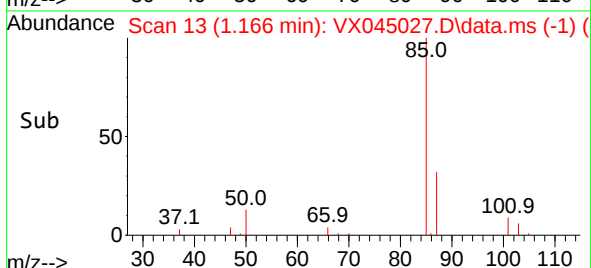
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

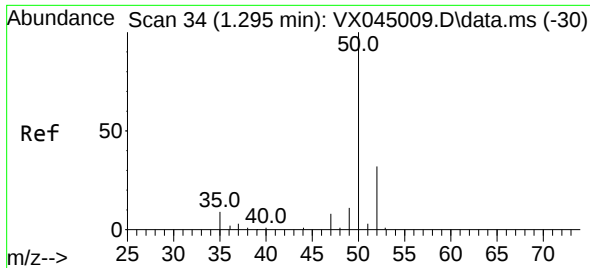


#2
Dichlorodifluoromethane
Concen: 19.832 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



Tgt Ion: 85 Resp: 32233
Ion Ratio Lower Upper
85 100
87 32.4 15.1 45.3





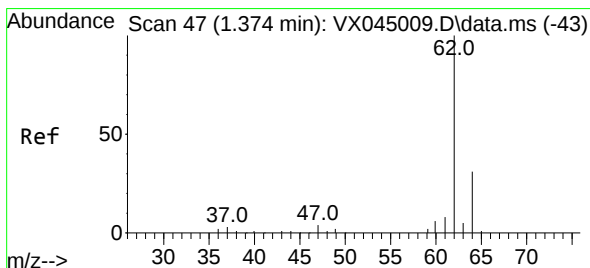
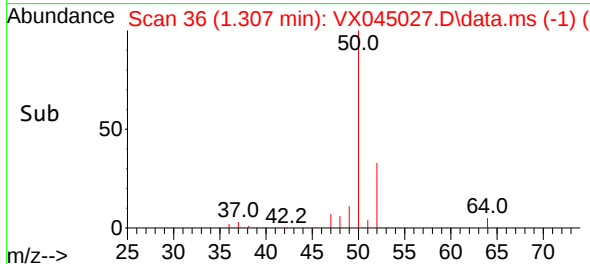
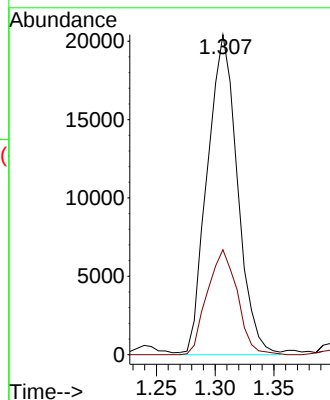
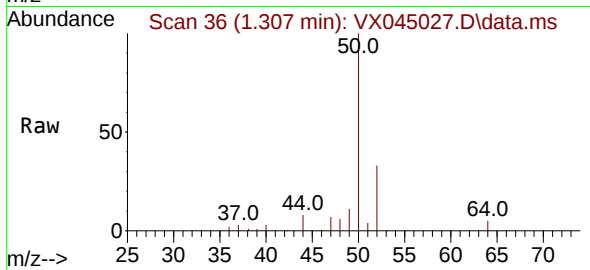
#3
Chloromethane
Concen: 18.752 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 3650
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5

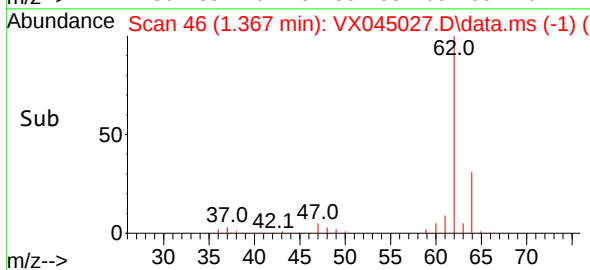
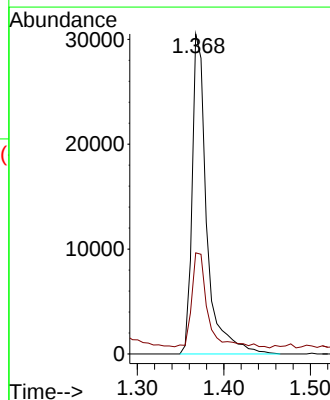
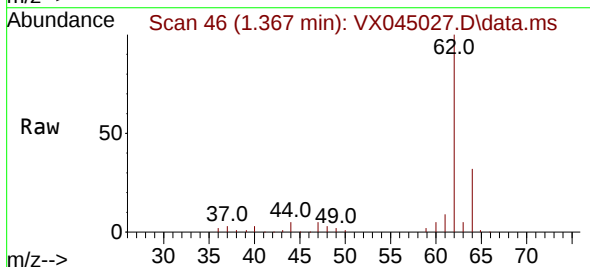
Manual Integrations
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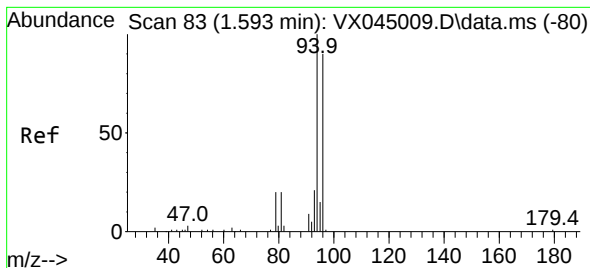
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#4
Vinyl Chloride
Concen: 19.036 ug/l
RT: 1.367 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 62 Resp: 35757
Ion Ratio Lower Upper
62 100
64 29.3 25.1 37.7





#5

Bromomethane

Concen: 19.148 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 12520

Ion Ratio Lower Upper

94 100

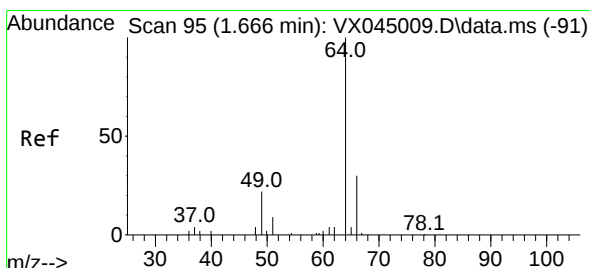
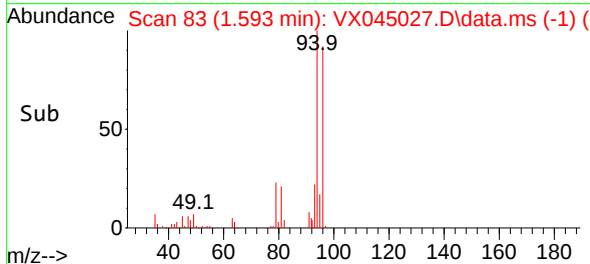
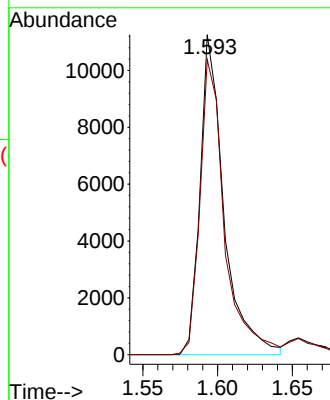
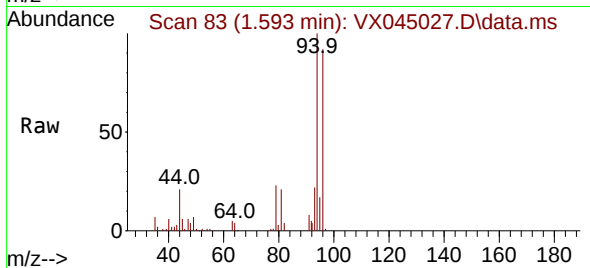
96 91.7 72.2 108.4

Manual Integrations

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Supervised By :Mahesh Dadoda 02/25/2025



#6

Chloroethane

Concen: 17.763 ug/l

RT: 1.672 min Scan# 96

Delta R.T. 0.006 min

Lab File: VX045027.D

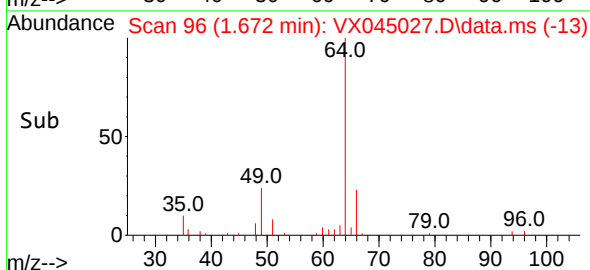
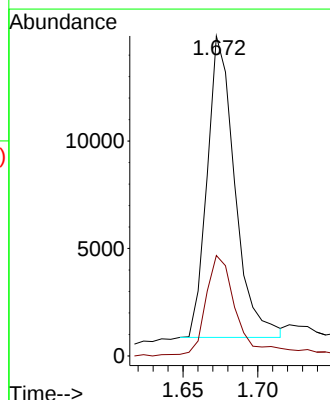
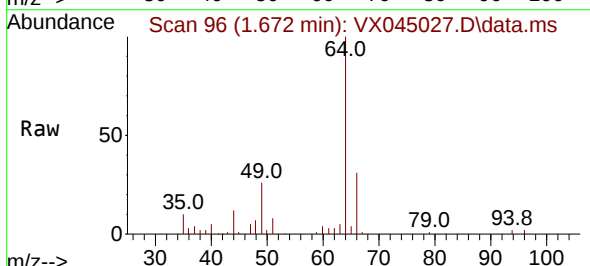
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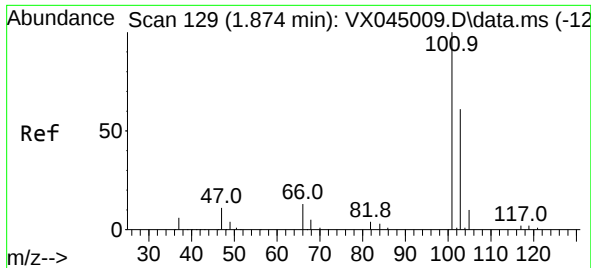
Tgt Ion: 64 Resp: 18071

Ion Ratio Lower Upper

64 100

66 32.8 23.7 35.5





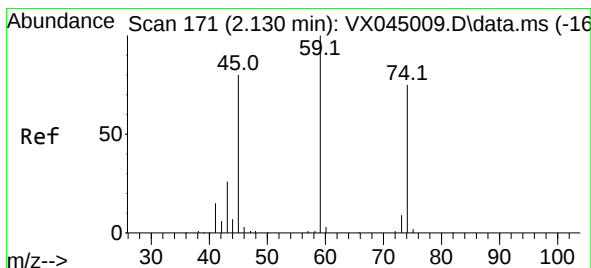
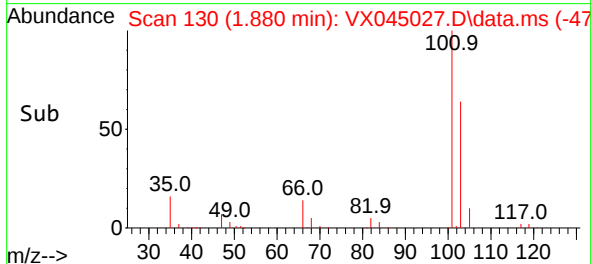
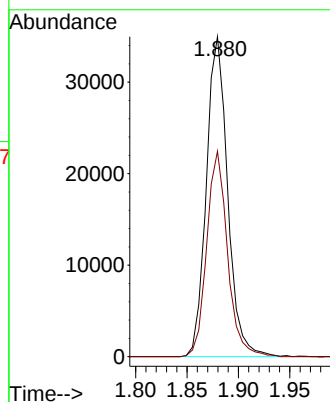
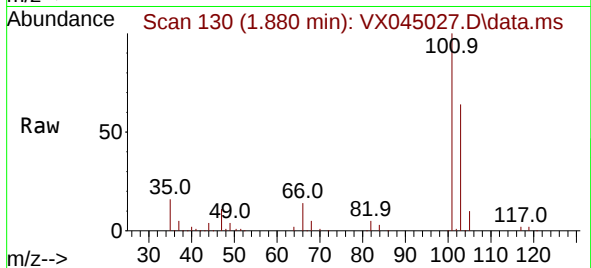
#7
Trichlorofluoromethane
Concen: 20.041 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 5059
Ion Ratio Lower Upper
101 100
103 64.2 48.8 73.2

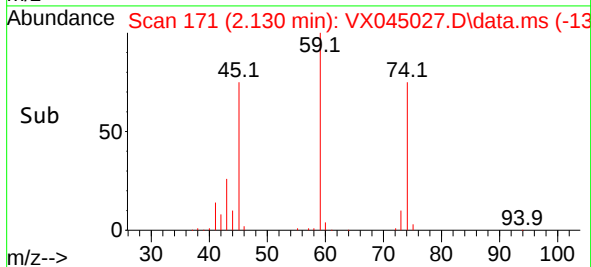
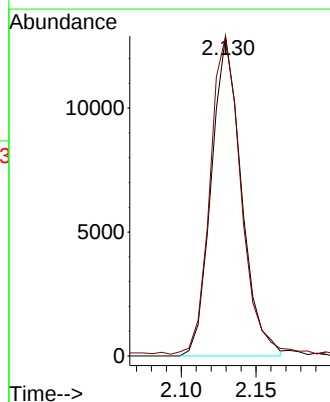
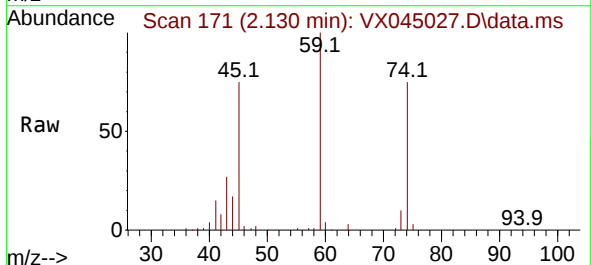
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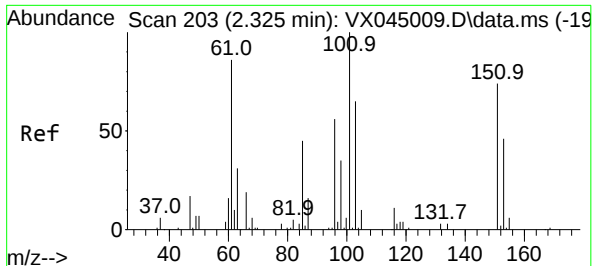
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#8
Diethyl Ether
Concen: 18.909 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 74 Resp: 18062
Ion Ratio Lower Upper
74 100
45 104.1 20.8 186.8





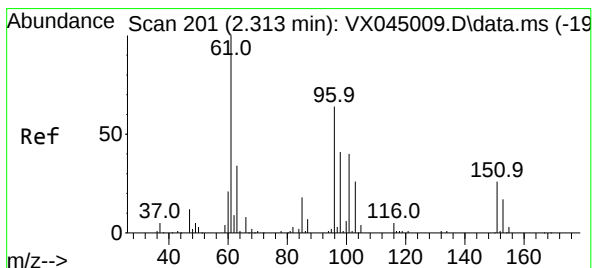
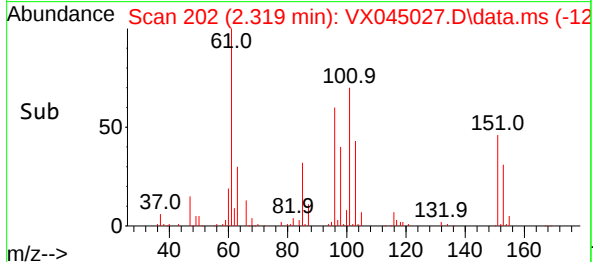
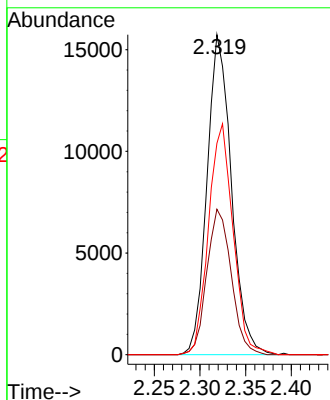
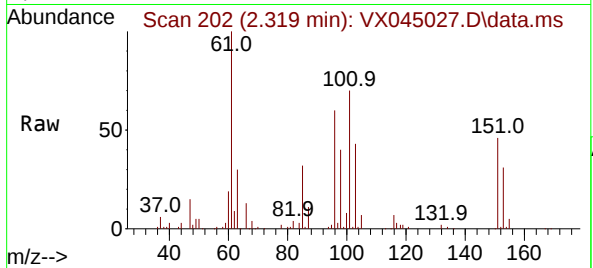
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1,1,2-Trichlorotrifluoroethane
Concen: 19.464 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 2918
Ion Ratio Lower Upper
101 100
85 45.5 0.0 90.6
151 72.7 0.0 147.6

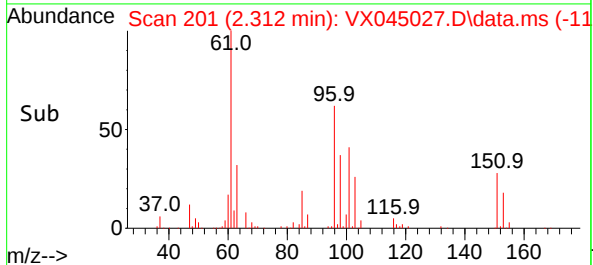
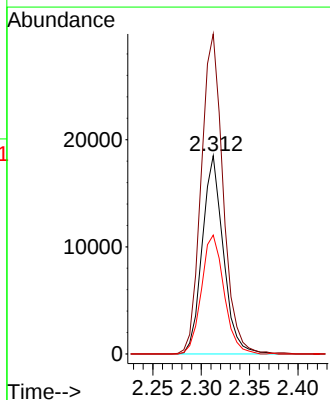
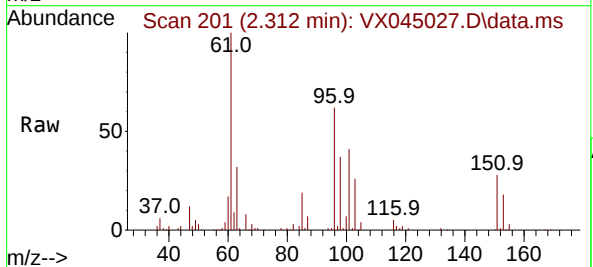
Manual Integrations
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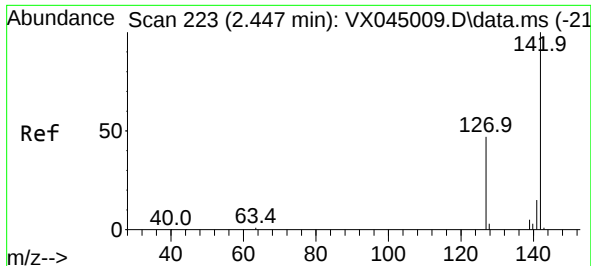
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#10
1,1-Dichloroethene
Concen: 19.213 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

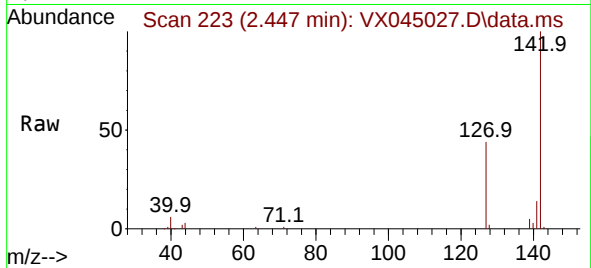
Tgt Ion: 96 Resp: 28139
Ion Ratio Lower Upper
96 100
61 161.0 124.2 186.2
98 59.9 51.1 76.7





#11
Methyl Iodide
Concen: 17.160 ug/l
RT: 2.447 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

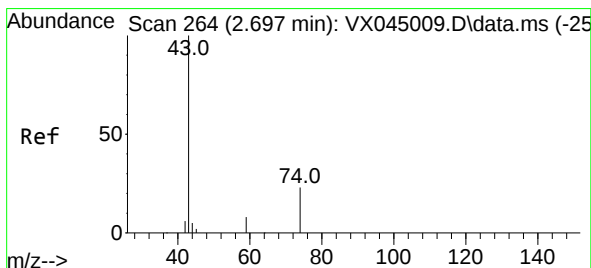
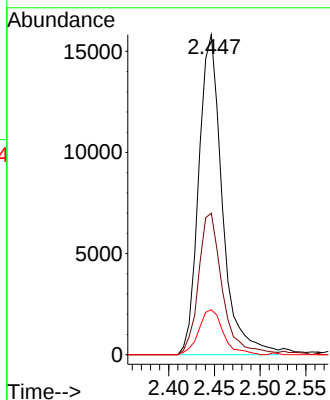
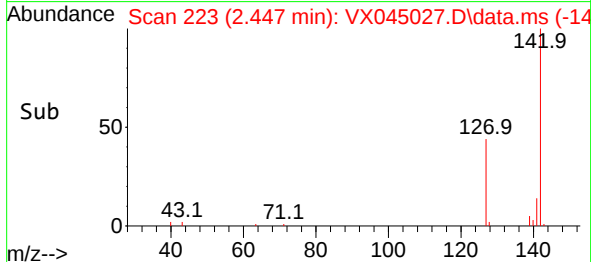
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 28445
Ion Ratio Lower Upper
142 100
127 44.2 23.3 69.9
141 14.0 7.5 22.6

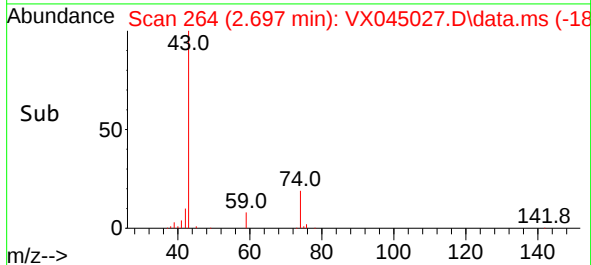
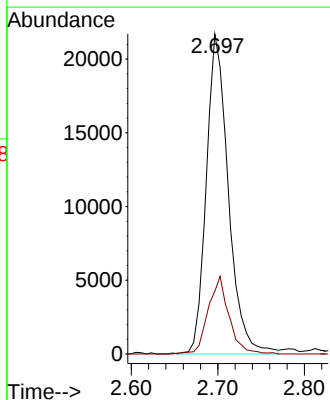
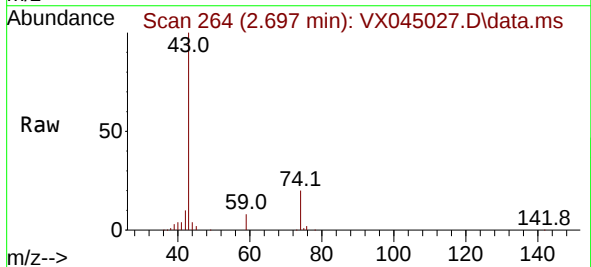
Manual Integrations
APPROVED

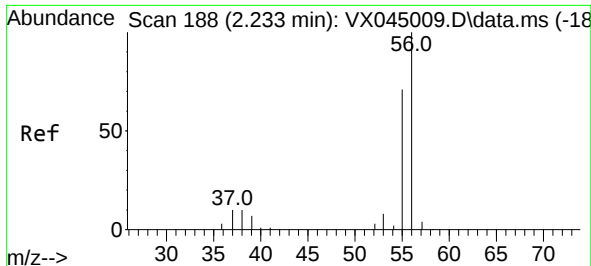
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#12
Methyl Acetate
Concen: 22.621 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

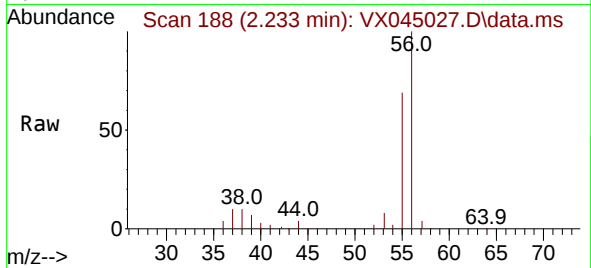
Tgt Ion: 43 Resp: 38473
Ion Ratio Lower Upper
43 100
74 19.6 17.9 26.9





#13
Acrolein
Concen: 115.397 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

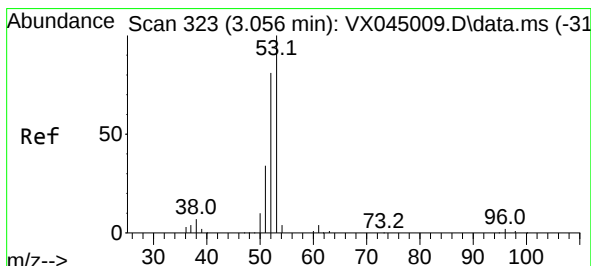
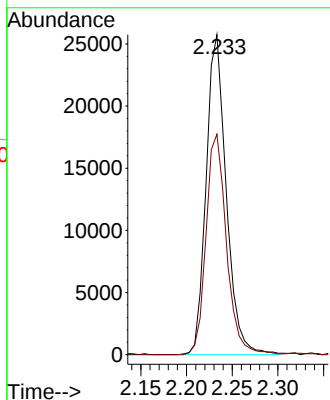
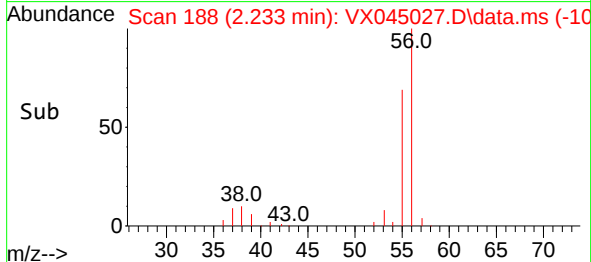
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



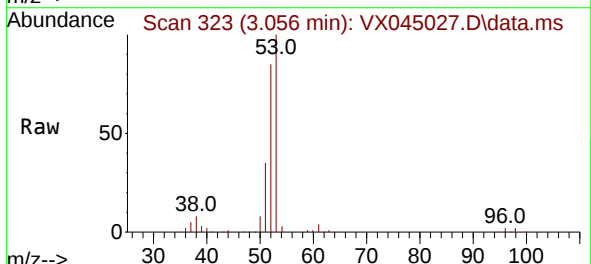
Tgt Ion: 56 Resp: 39339
Ion Ratio Lower Upper
56 100
55 69.9 55.4 83.2

Manual Integrations
APPROVED

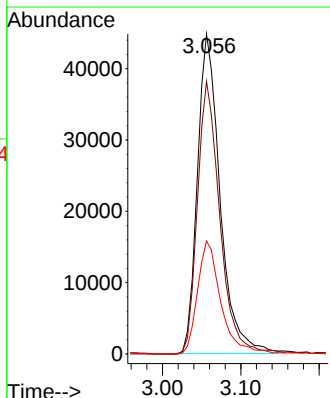
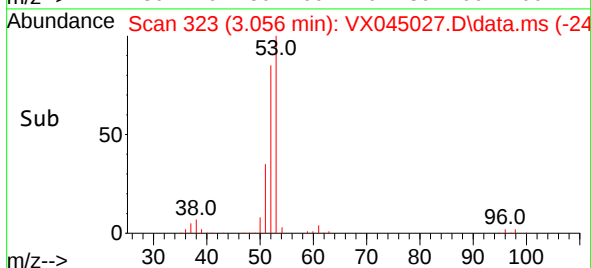
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

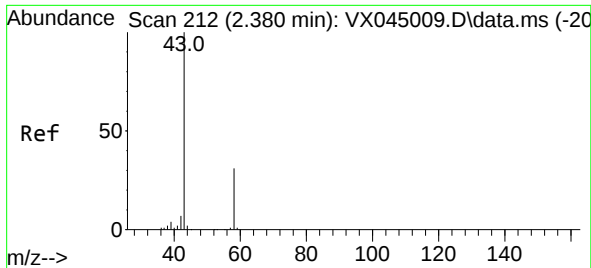


#14
Acrylonitrile
Concen: 108.613 ug/l
RT: 3.056 min Scan# 323
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



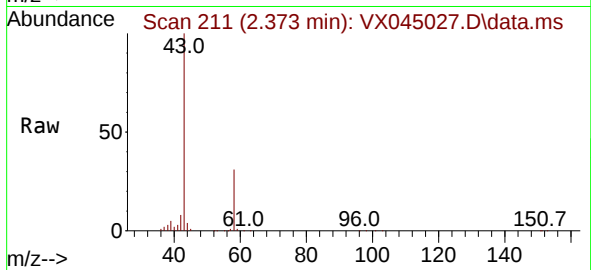
Tgt Ion: 53 Resp: 90229
Ion Ratio Lower Upper
53 100
52 83.6 40.9 122.8
51 36.4 18.0 54.0





#15
Acetone
Concen: 106.058 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

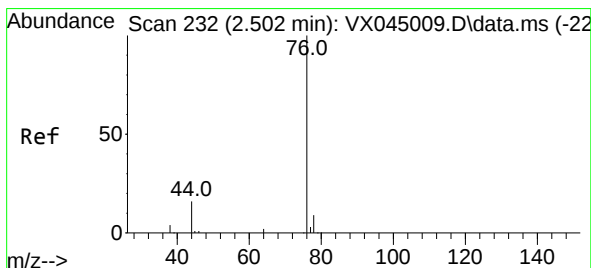
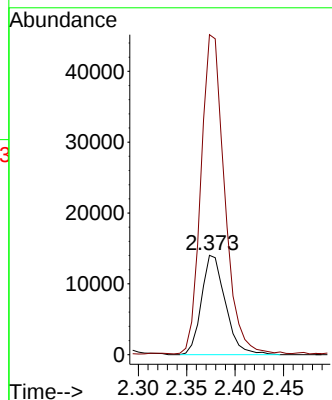
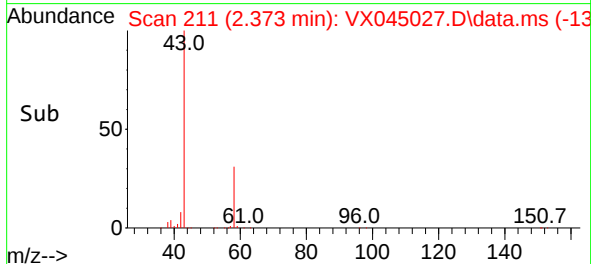
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 58 Resp: 24164
Ion Ratio Lower Upper
58 100
43 320.4 258.6 388.0

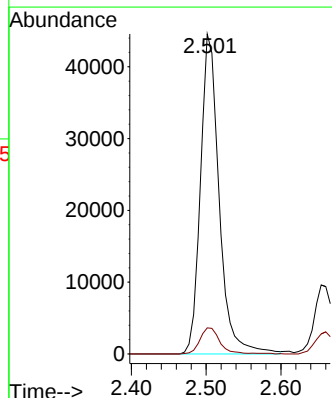
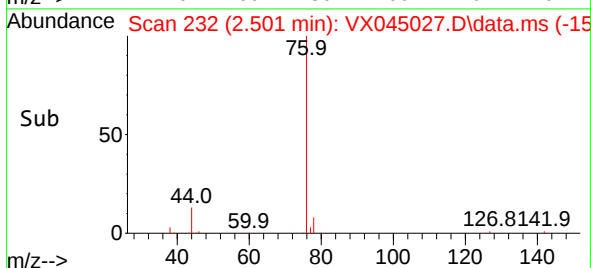
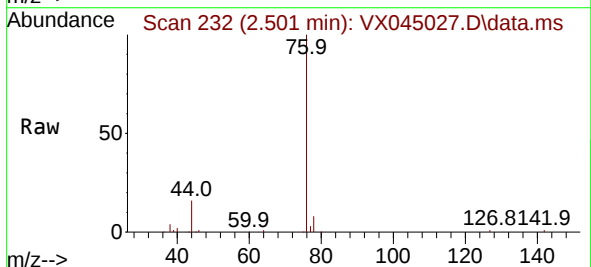
Manual Integrations
APPROVED

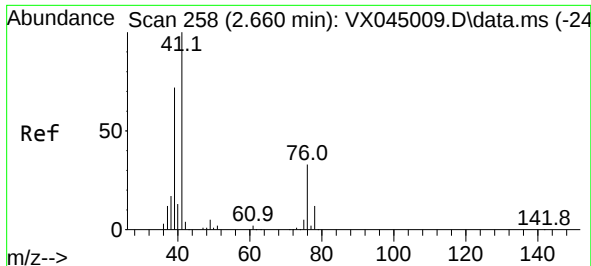
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#16
Carbon Disulfide
Concen: 18.631 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 76 Resp: 77398
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9





#17

Allyl chloride

Concen: 19.532 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

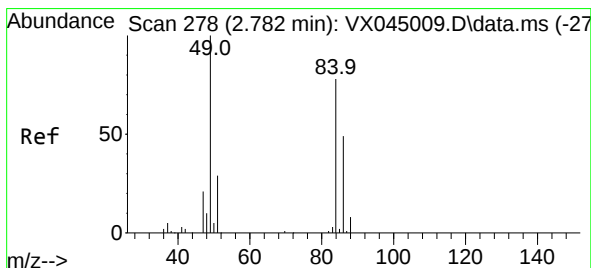
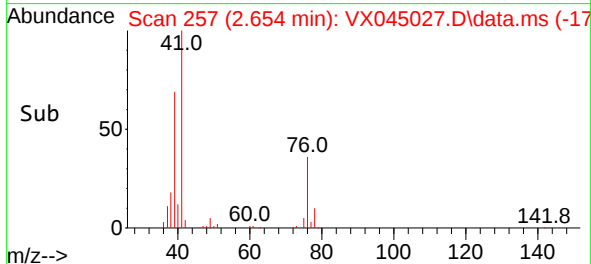
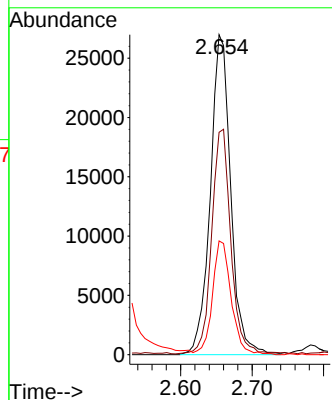
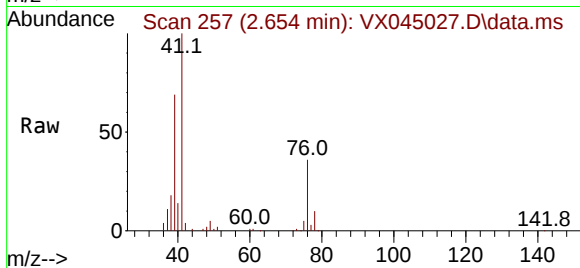
Tgt Ion:	41	Resp:	53504
Ion	Ratio	Lower	Upper
41	100		
39	69.1	36.2	108.6
76	35.6	17.2	51.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#18

Methylene Chloride

Concen: 19.663 ug/l

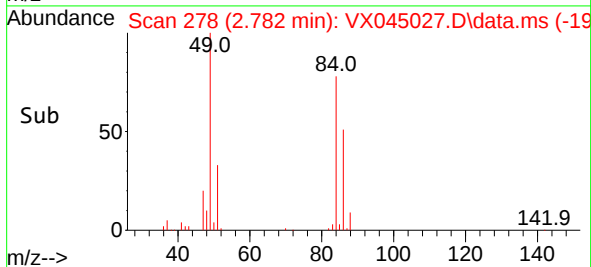
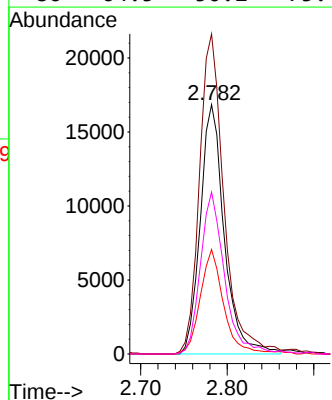
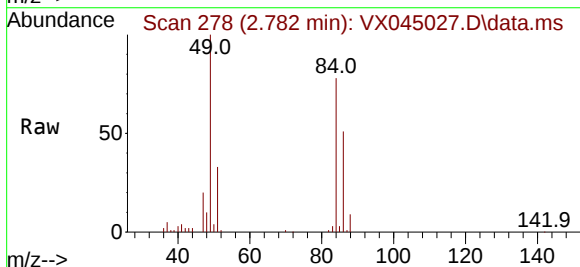
RT: 2.782 min Scan# 278

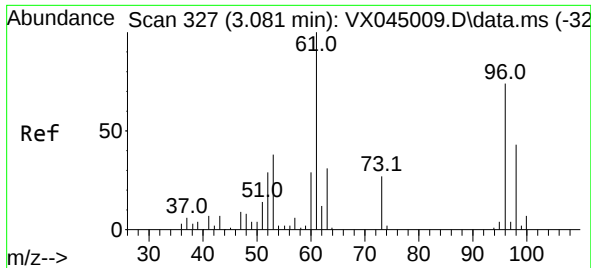
Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

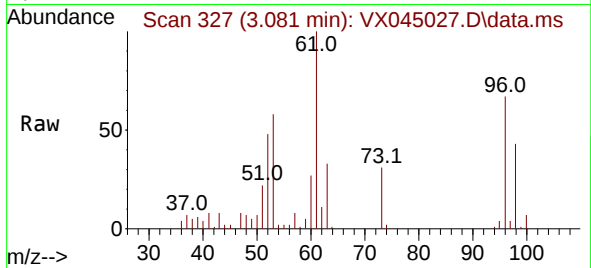
Tgt Ion:	84	Resp:	32392
Ion	Ratio	Lower	Upper
84	100		
49	127.4	102.8	154.2
51	41.2	30.1	45.1
86	64.5	50.2	75.4





#19
trans-1,2-Dichloroethene
Concen: 19.038 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

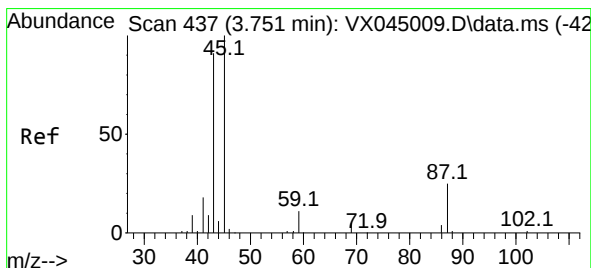
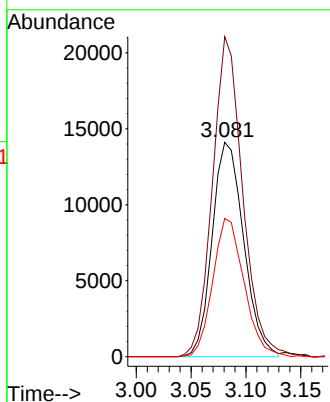
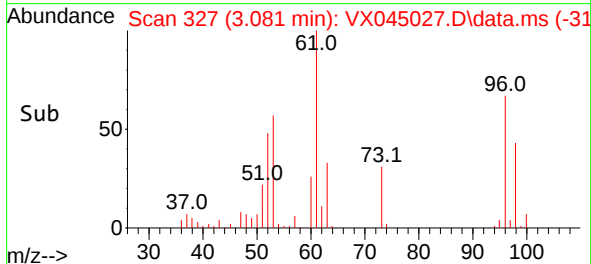
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 28210
Ion Ratio Lower Upper
96 100
61 149.3 108.6 163.0
98 64.5 46.5 69.7

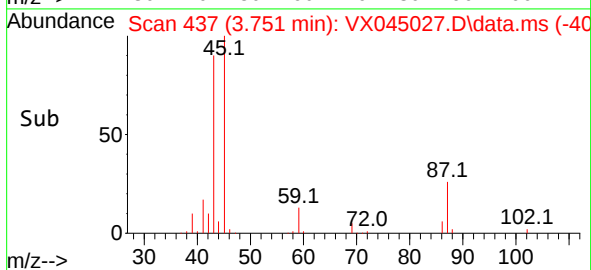
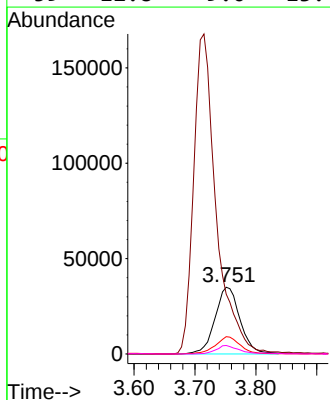
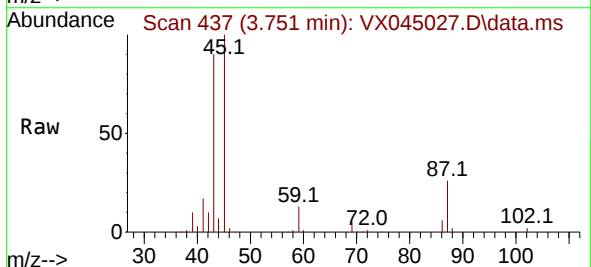
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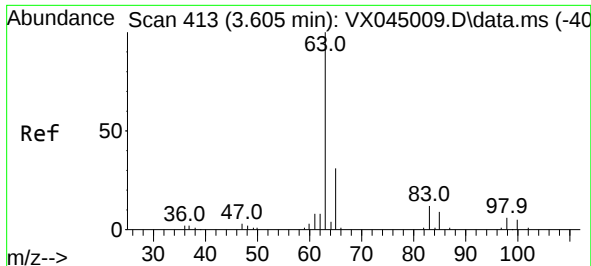
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#20
Diisopropyl ether
Concen: 18.947 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 45 Resp: 99738
Ion Ratio Lower Upper
45 100
43 88.1 74.4 111.6
87 25.9 19.8 29.8
59 12.8 9.0 13.4





#21

1,1-Dichloroethane

Concen: 19.462 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 56970

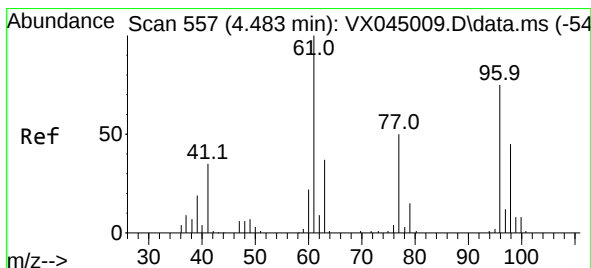
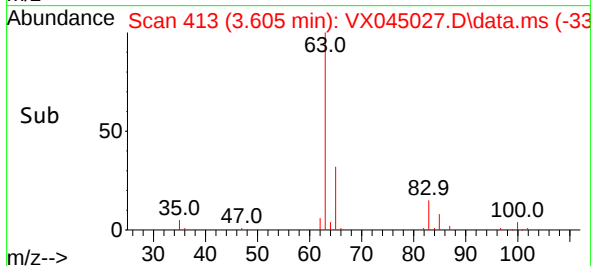
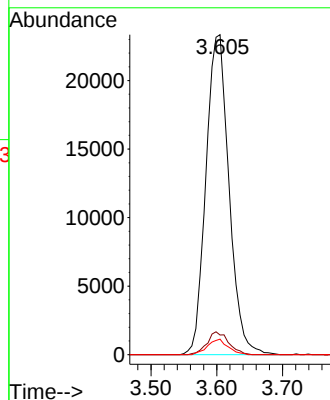
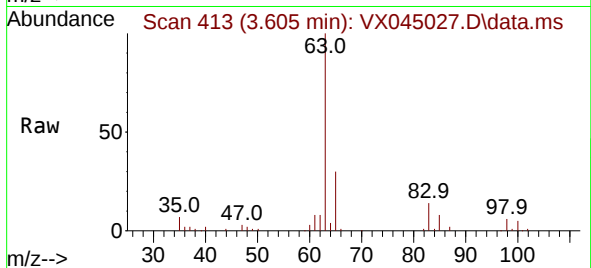
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	4.9	2.4	7.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#22

cis-1,2-Dichloroethene

Concen: 18.883 ug/l

RT: 4.477 min Scan# 556

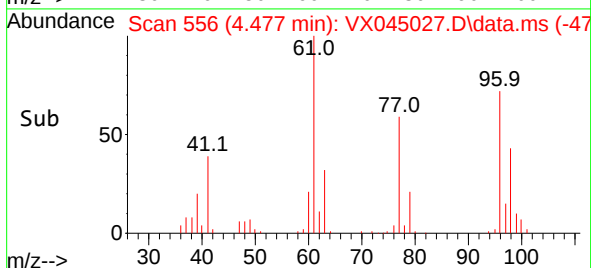
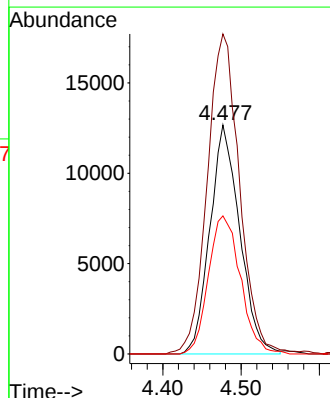
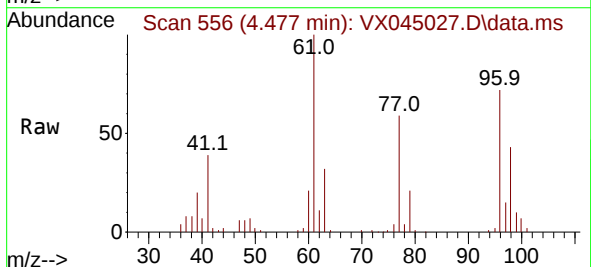
Delta R.T. -0.006 min

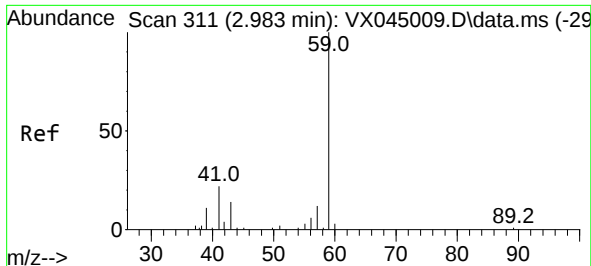
Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Tgt Ion: 96 Resp: 33530

Ion	Ratio	Lower	Upper
96	100		
61	151.5	118.9	178.3
98	64.7	50.7	76.1





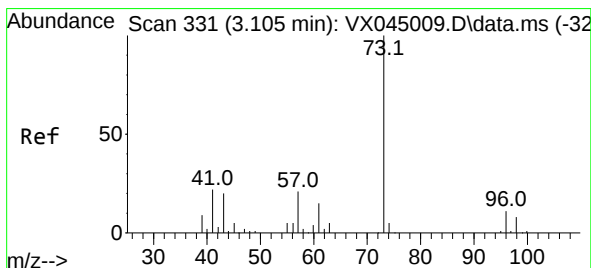
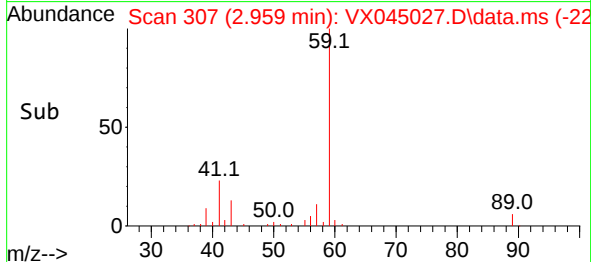
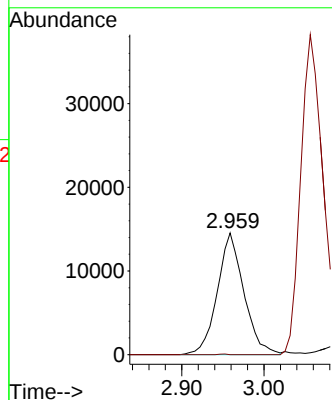
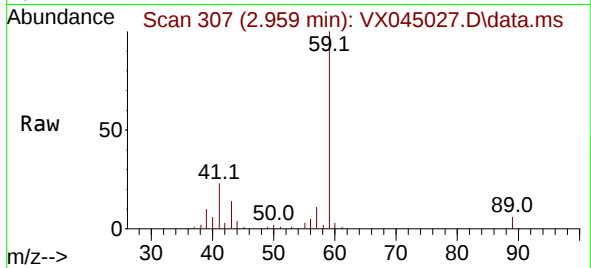
#23
tert-Butyl Alcohol
Concen: 112.549 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 3264
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

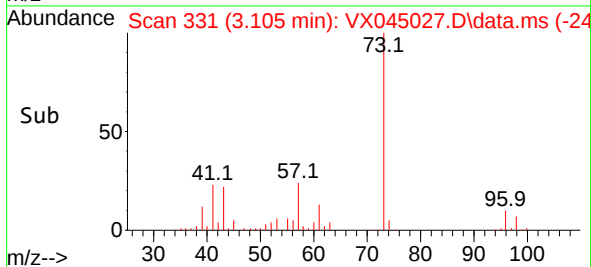
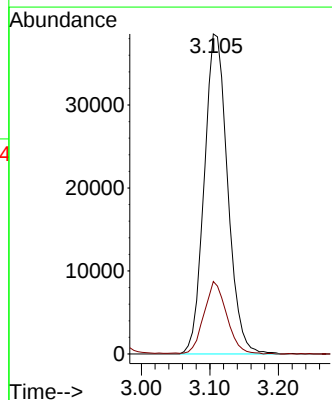
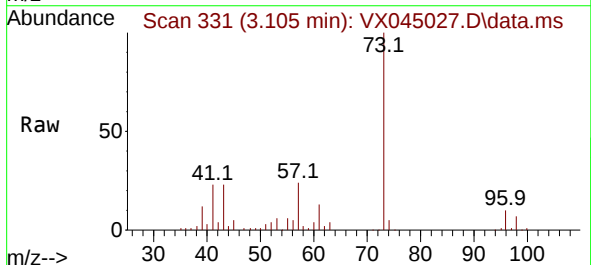
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#24
Methyl tert-Butyl Ether
Concen: 19.177 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 73 Resp: 91670
Ion Ratio Lower Upper
73 100
43 22.0 17.4 26.0





#25

Chloroform

Concen: 19.450 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 5500

Ion Ratio Lower Upper

83 100

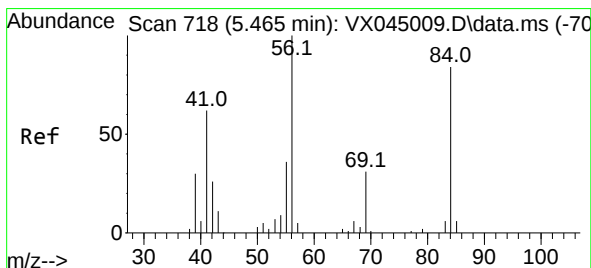
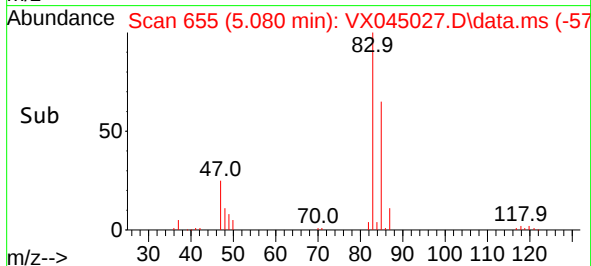
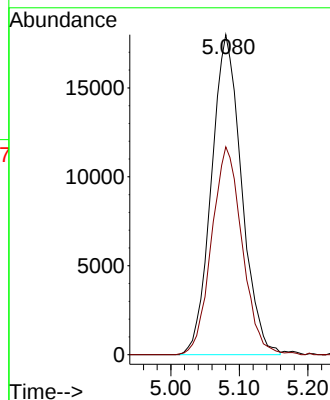
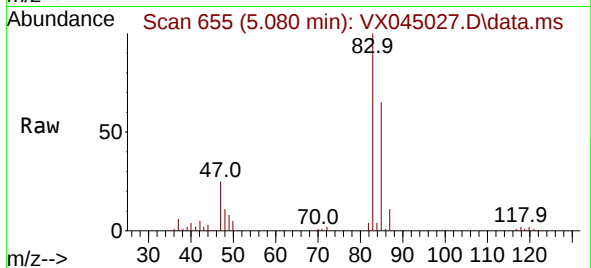
85 64.6 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#26

Cyclohexane

Concen: 18.951 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

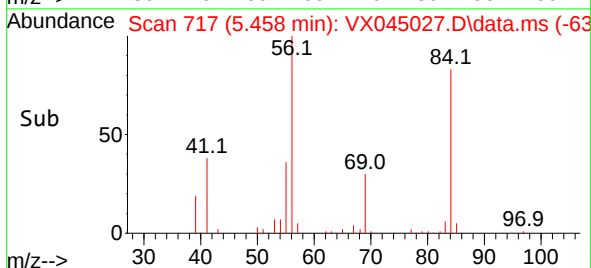
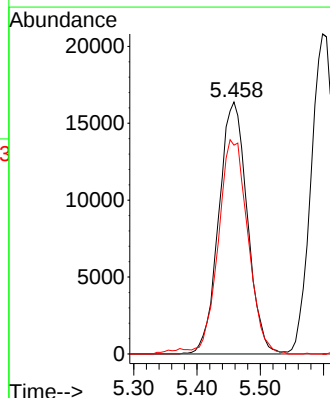
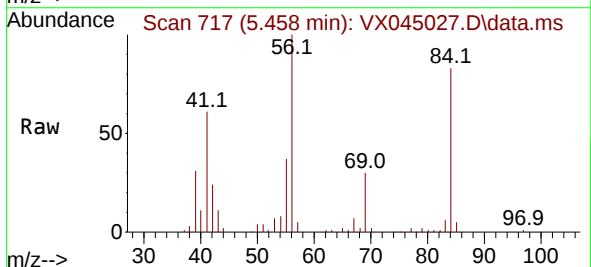
Tgt Ion: 56 Resp: 51210

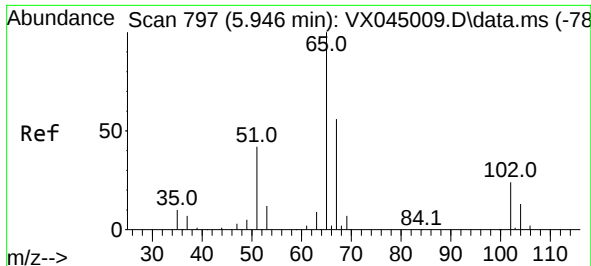
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.8 67.1 100.7





#27

1,2-Dichloroethane-d4

Concen: 30.596 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 57294

Ion Ratio Lower Upper

65 100

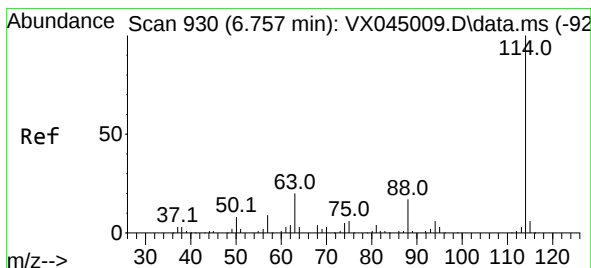
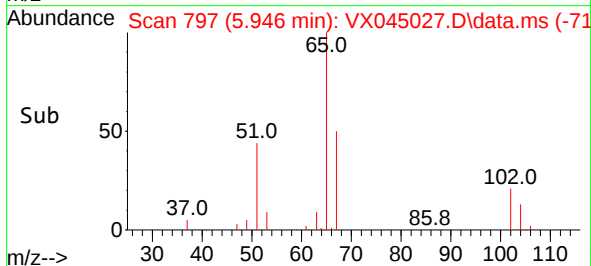
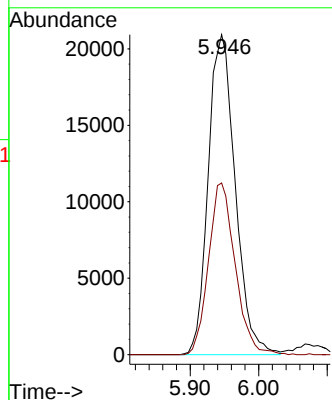
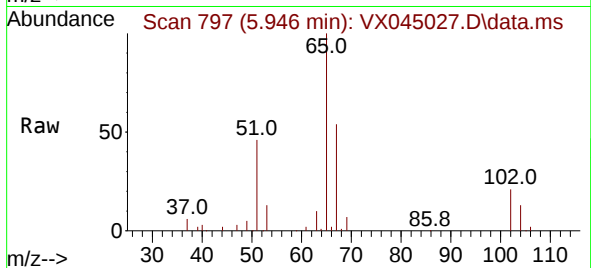
67 52.9 42.6 64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

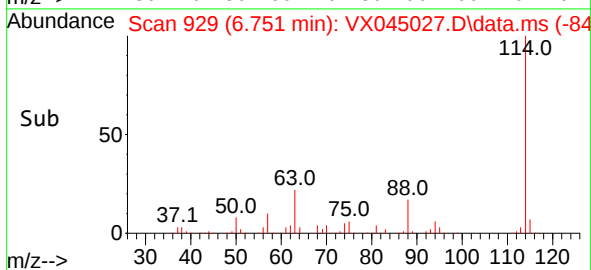
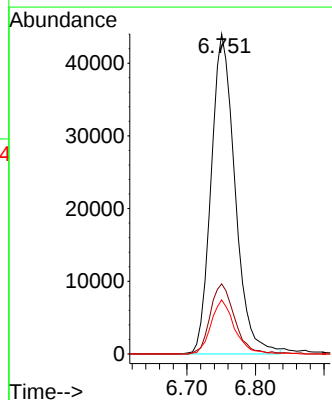
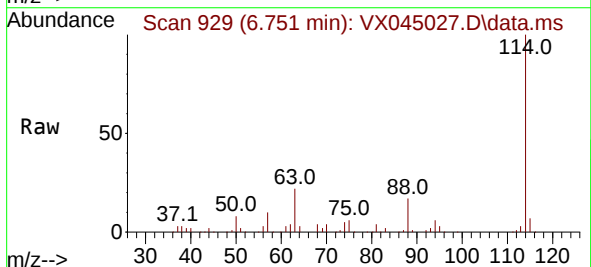
Tgt Ion:114 Resp: 106629

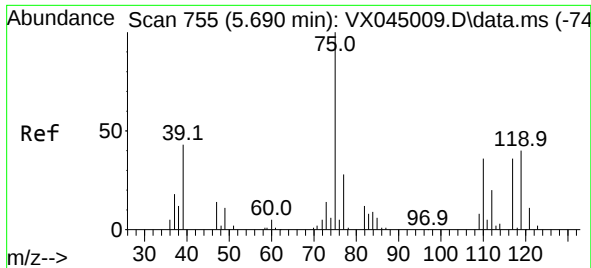
Ion Ratio Lower Upper

114 100

63 22.1 16.8 25.2

88 16.6 12.7 19.1





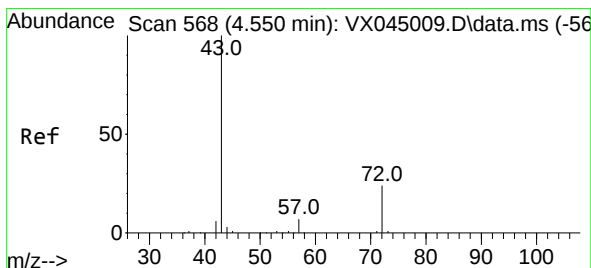
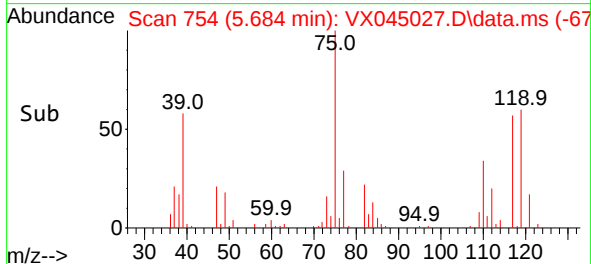
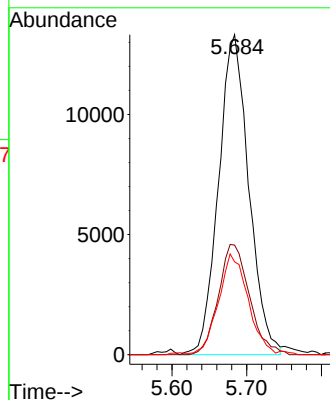
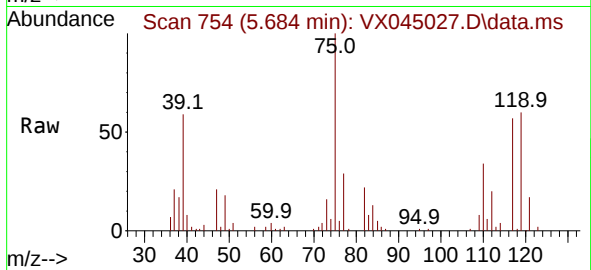
#29
1,1-Dichloropropene
Concen: 19.135 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 3753
Ion Ratio Lower Upper
75 100
110 35.4 0.0 69.2
77 30.7 0.0 61.0

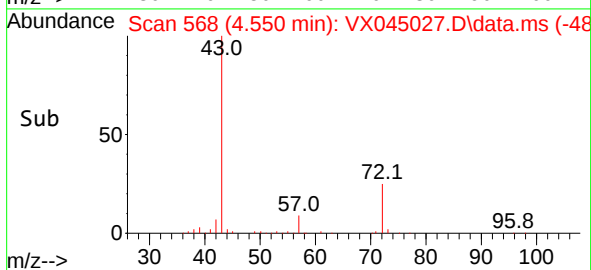
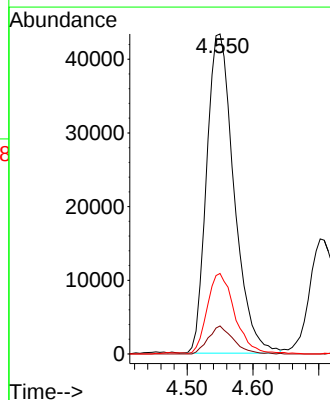
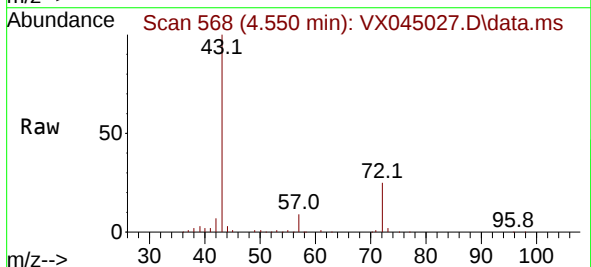
Manual Integrations
APPROVED

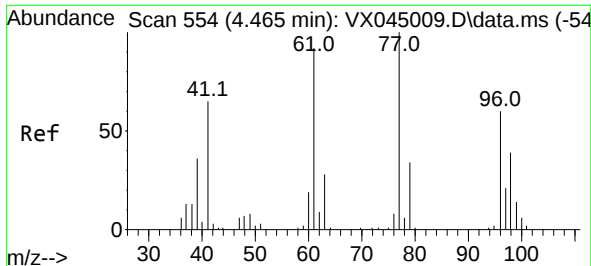
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#30
2-Butanone
Concen: 110.907 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

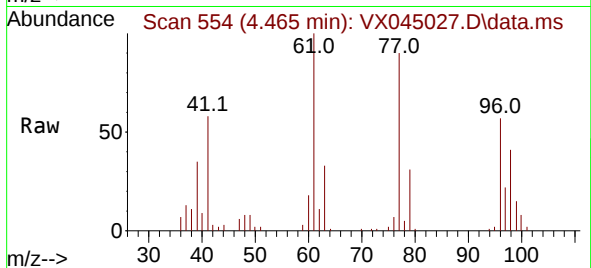
Tgt Ion: 43 Resp: 125650
Ion Ratio Lower Upper
43 100
57 8.0 6.2 9.2
72 24.8 20.2 30.2





#31
2,2-Dichloropropane
Concen: 18.659 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

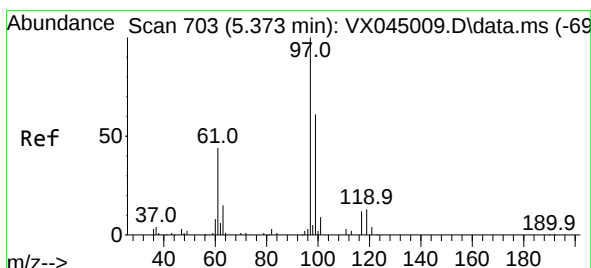
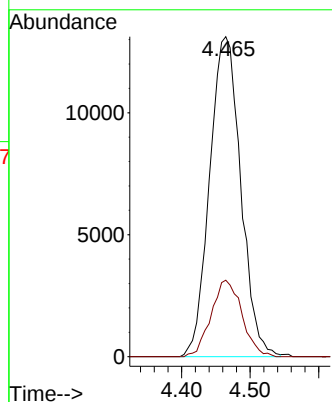
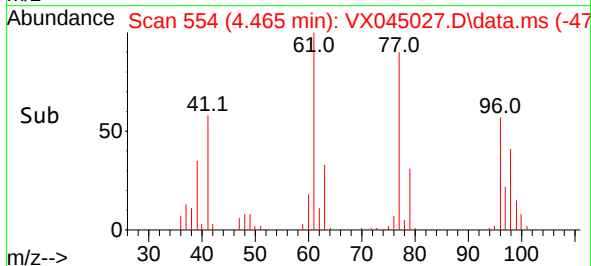
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



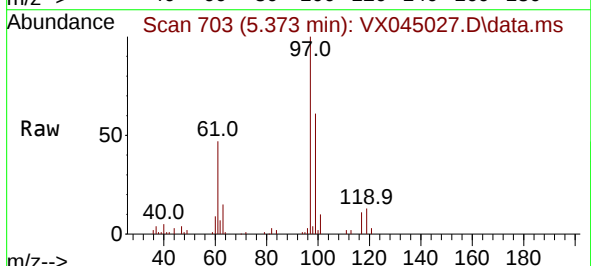
Tgt Ion: 77 Resp: 4138
Ion Ratio Lower Upper
77 100
97 23.6 18.0 27.0

Manual Integrations
APPROVED

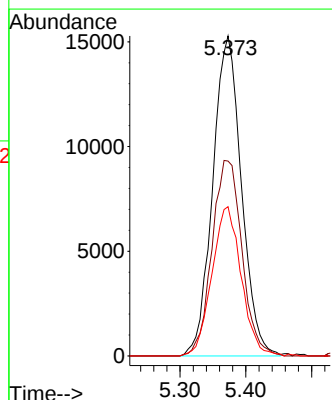
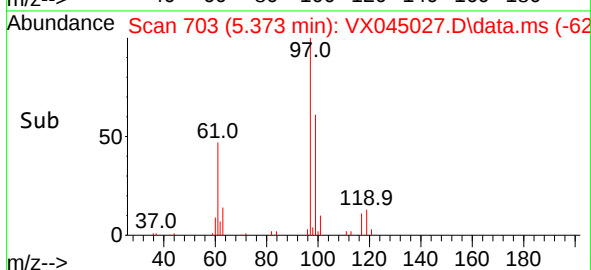
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

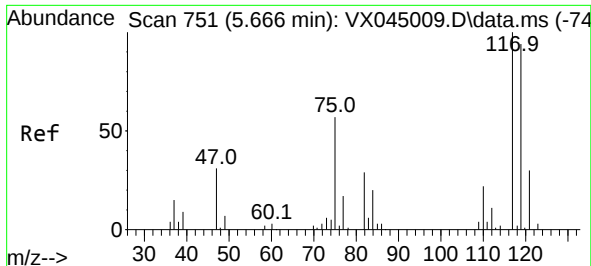


#32
1,1,1-Trichloroethane
Concen: 19.547 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



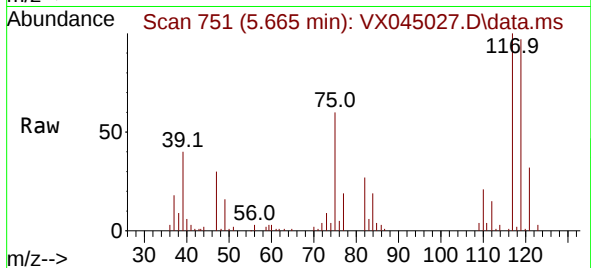
Tgt Ion: 97 Resp: 46455
Ion Ratio Lower Upper
97 100
99 63.7 52.2 78.2
61 47.6 38.5 57.7





#33
Carbon Tetrachloride
Concen: 19.588 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

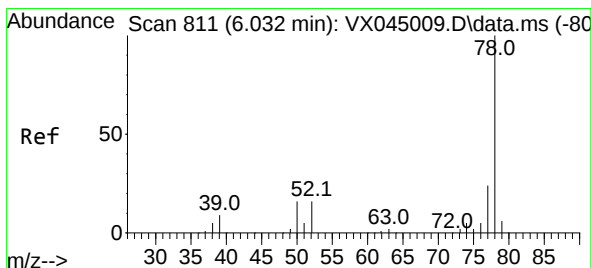
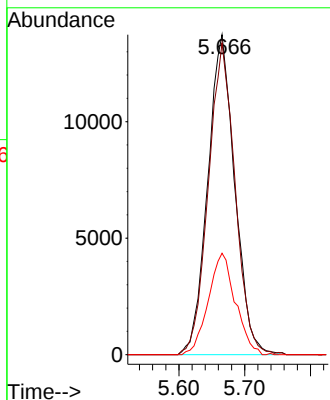
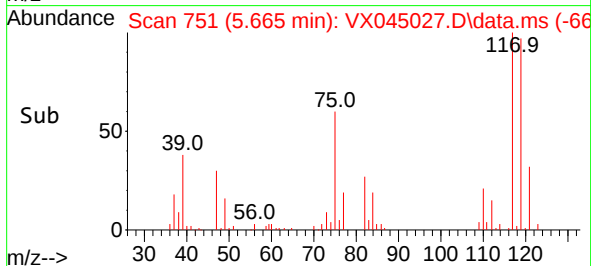
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



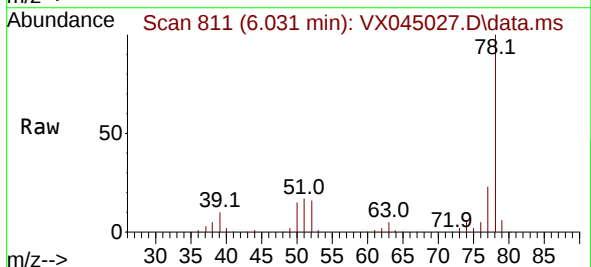
Tgt Ion:117 Resp: 3928
Ion Ratio Lower Upper
117 100
119 97.5 75.1 112.7
121 31.7 23.9 35.9

Manual Integrations
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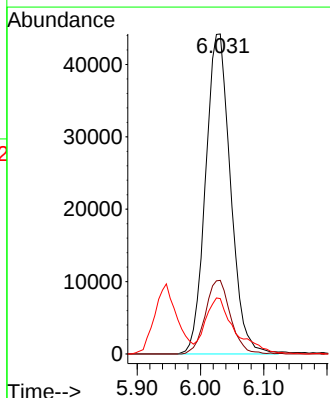
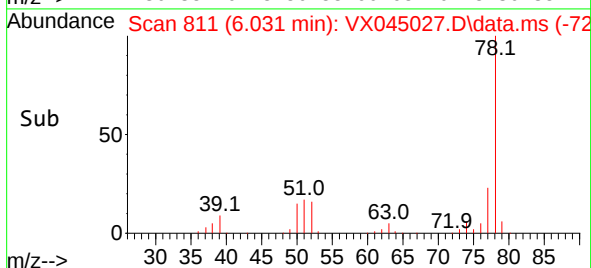
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#34
Benzene
Concen: 19.672 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



Tgt Ion: 78 Resp: 121003
Ion Ratio Lower Upper
78 100
77 23.0 19.6 29.4
51 16.9 13.8 20.6





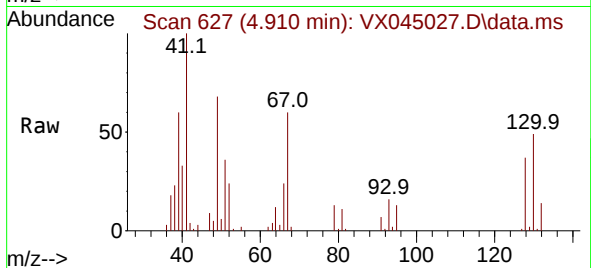
#35
Methacrylonitrile
Concen: 21.655 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC



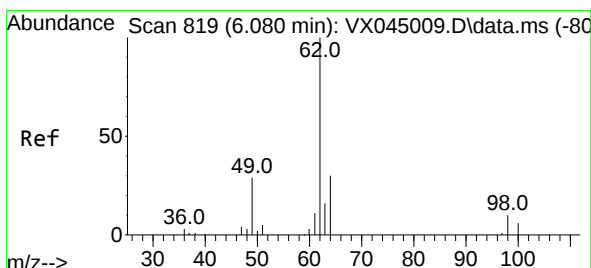
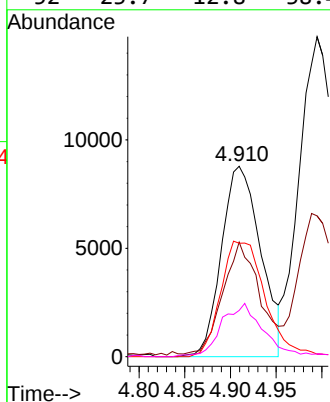
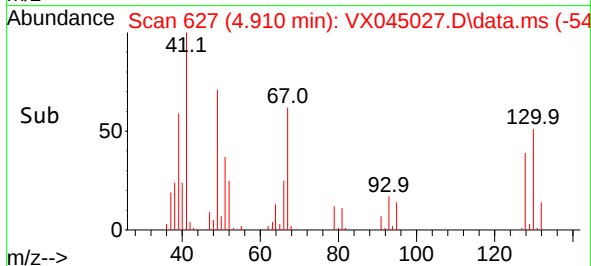
Tgt Ion: 41 Resp: 2625
Ion Ratio Lower Upper
41 100
39 58.7 27.8 83.4
67 59.6 31.5 94.5
52 23.7 12.8 38.4

Manual Integrations

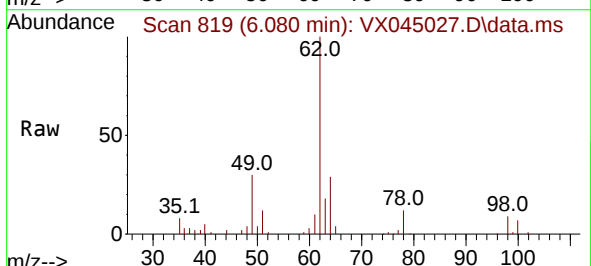
APPROVED

Reviewed By :John Carlone 02/25/2025

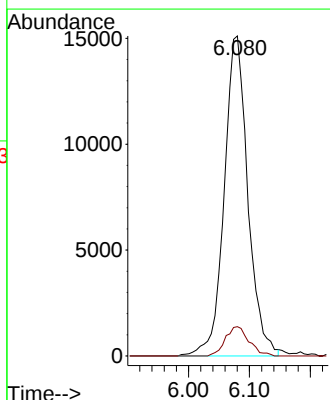
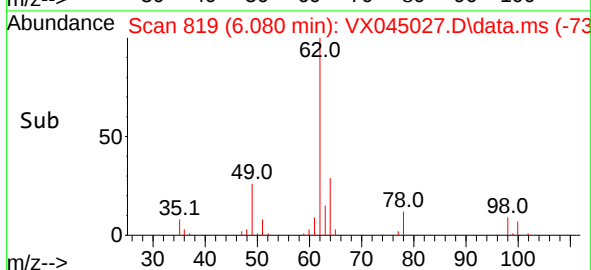
Supervised By :Mahesh Dadoda 02/25/2025

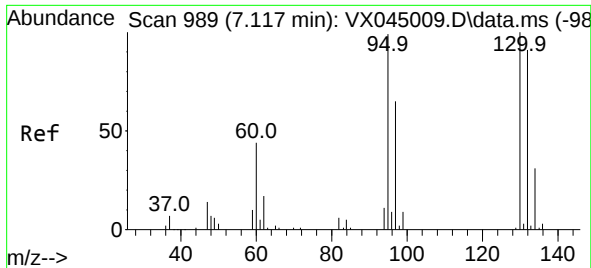


#36
1,2-Dichloroethane
Concen: 19.389 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



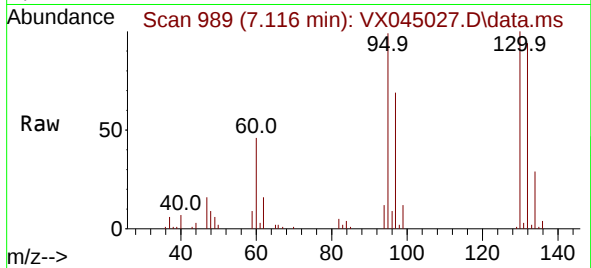
Tgt Ion: 62 Resp: 40831
Ion Ratio Lower Upper
62 100
98 9.0 7.9 11.9





#37
Trichloroethene
Concen: 19.520 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

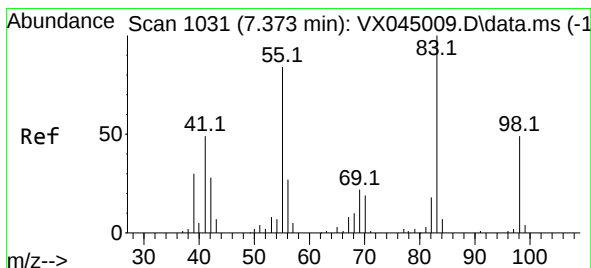
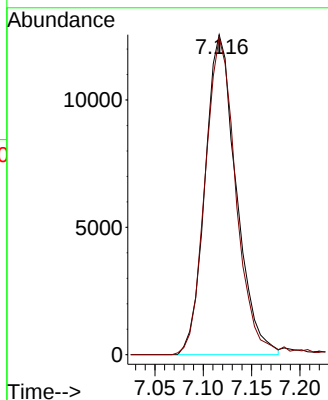
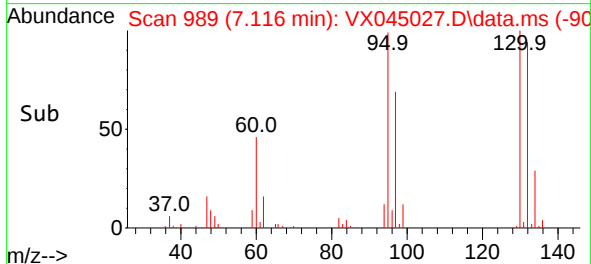
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:130 Resp: 28090
Ion Ratio Lower Upper
130 100
95 98.6 79.0 118.4

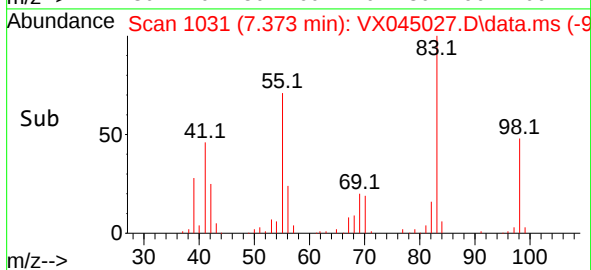
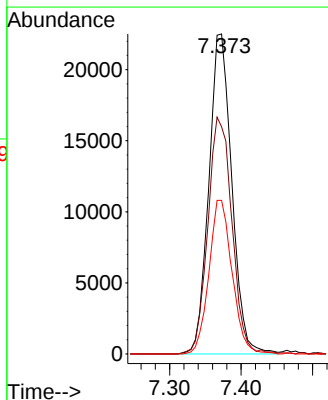
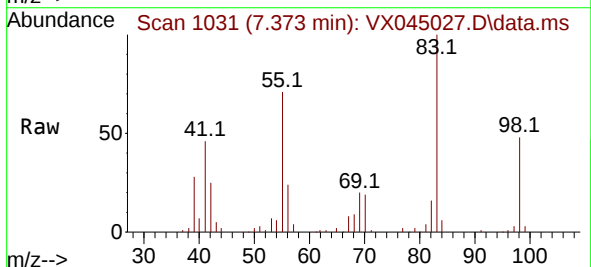
Manual Integrations
APPROVED

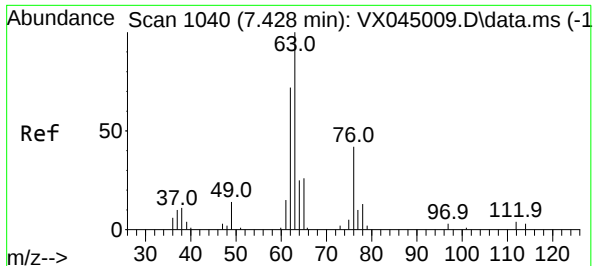
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#38
Methylcyclohexane
Concen: 19.091 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 83 Resp: 50279
Ion Ratio Lower Upper
83 100
55 77.1 40.6 122.0
98 48.4 24.9 74.6





#39

1,2-Dichloropropane

Concen: 19.109 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 2922

Ion Ratio Lower Upper

63 100

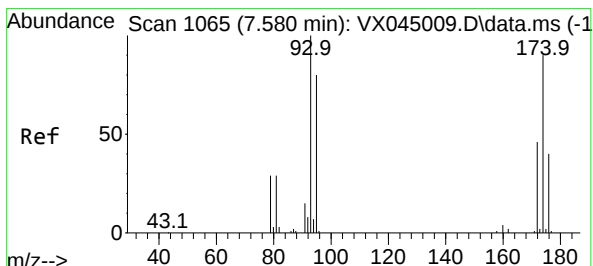
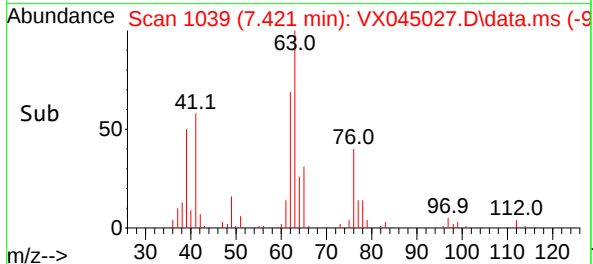
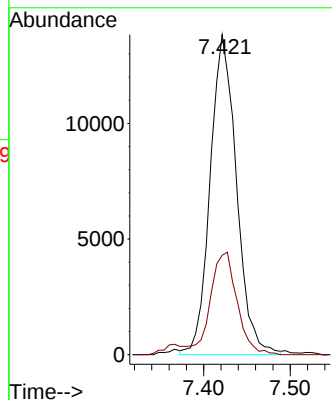
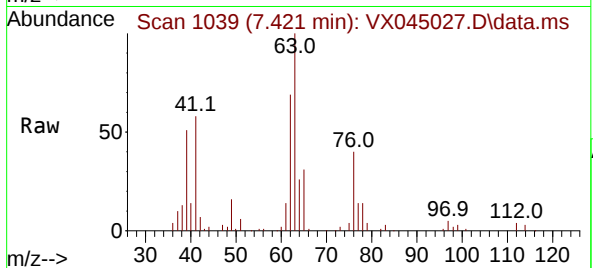
65 31.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#40

Dibromomethane

Concen: 19.422 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

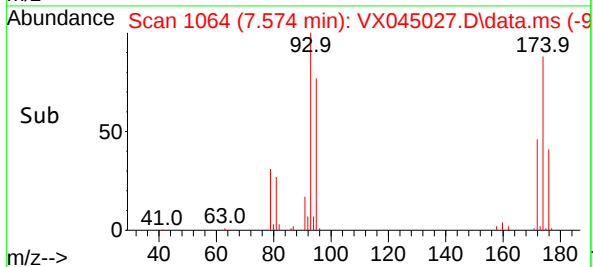
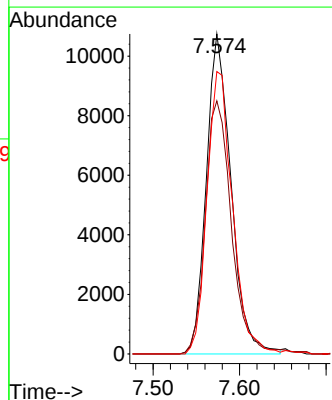
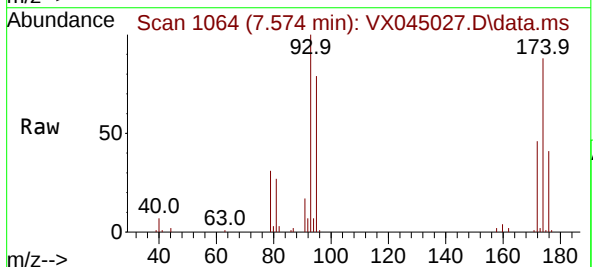
Tgt Ion: 93 Resp: 21313

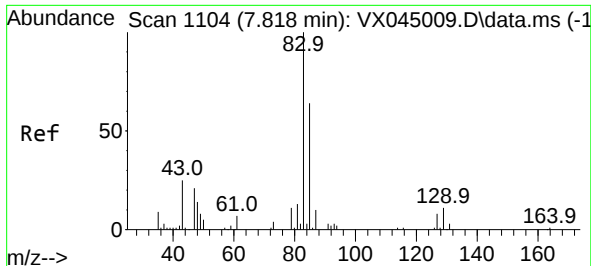
Ion Ratio Lower Upper

93 100

95 83.9 0.0 162.6

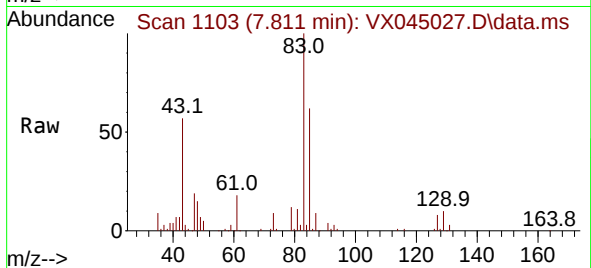
174 90.8 0.0 178.8





#41
Bromodichloromethane
Concen: 19.235 ug/l
RT: 7.811 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

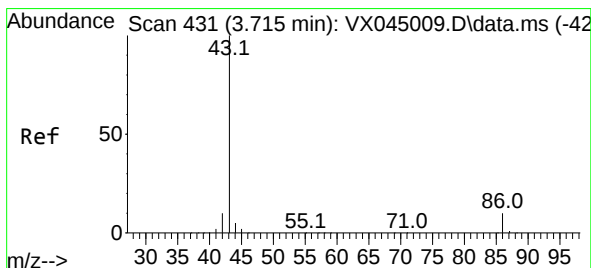
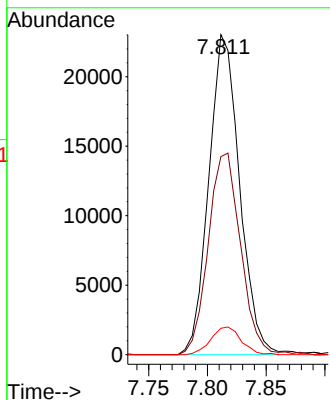
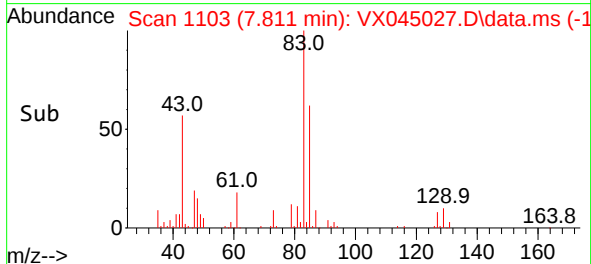
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 41952
Ion Ratio Lower Upper
83 100
85 61.9 51.0 76.6
127 8.2 6.1 9.1

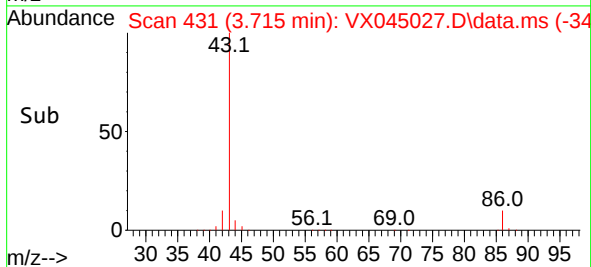
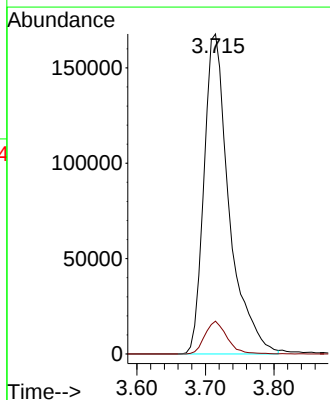
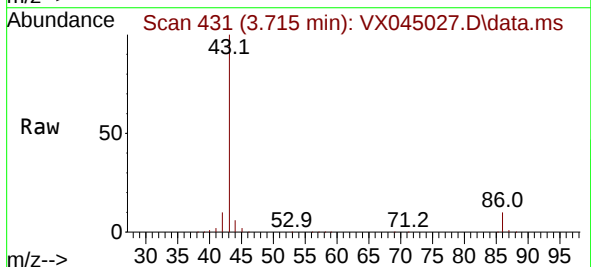
Manual Integrations
APPROVED

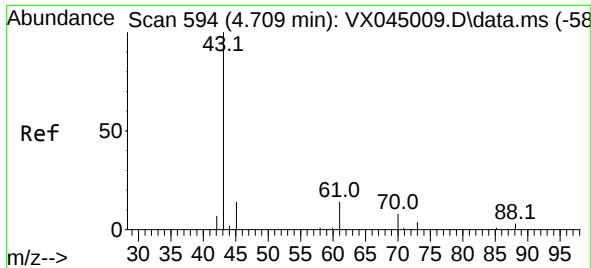
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#42
Vinyl Acetate
Concen: 97.746 ug/l
RT: 3.715 min Scan# 431
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

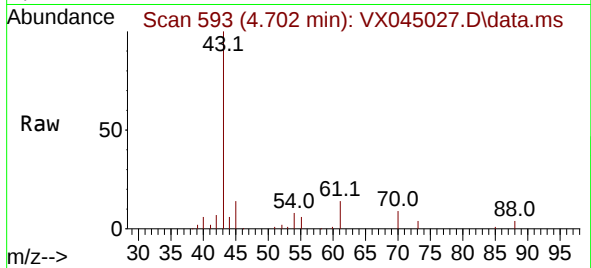
Tgt Ion: 43 Resp: 429727
Ion Ratio Lower Upper
43 100
86 9.0 7.0 10.4





#43
Ethyl Acetate
Concen: 20.226 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

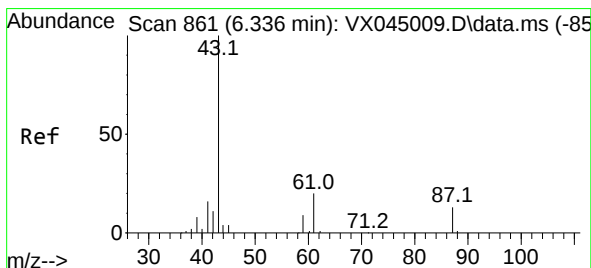
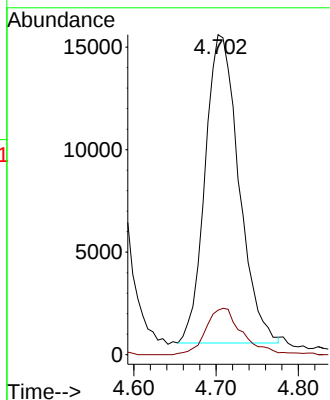
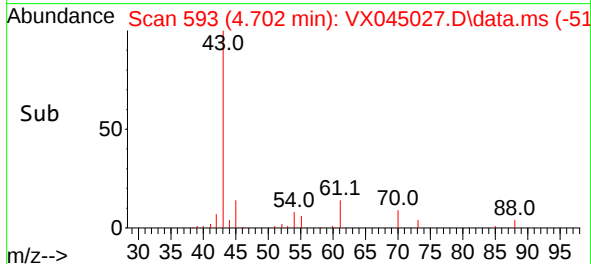
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
45 16.0 12.7 19.1

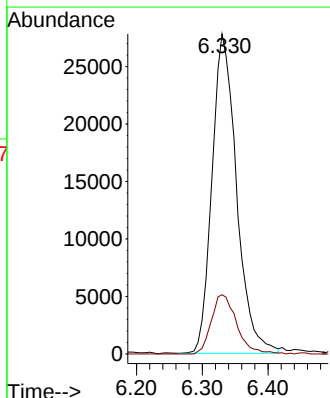
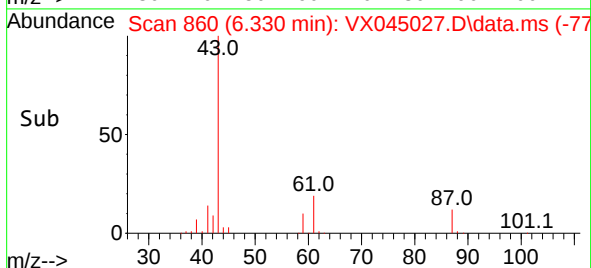
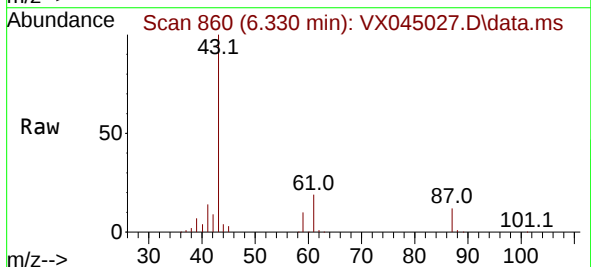
Manual Integrations
APPROVED

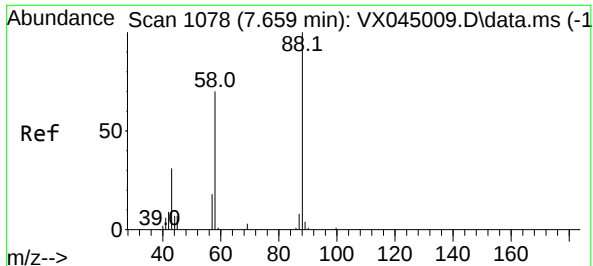
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#44
Isopropyl Acetate
Concen: 20.636 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

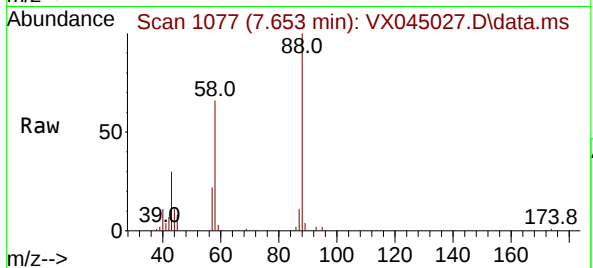
Tgt Ion: 43 Resp: 72161
Ion Ratio Lower Upper
43 100
61 18.9 15.5 23.3





#45
1,4-Dioxane
Concen: 466.175 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

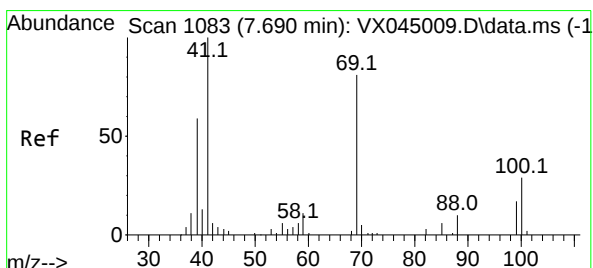
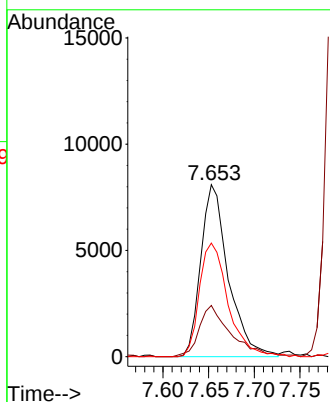
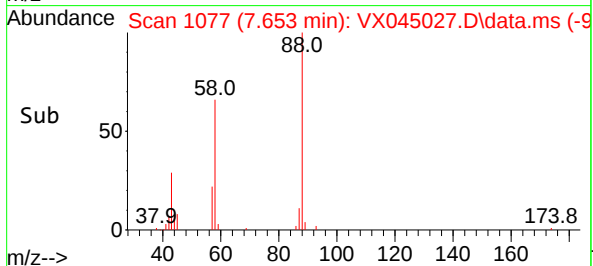
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



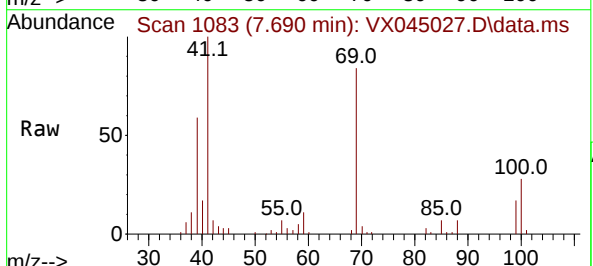
Tgt Ion: 88 Resp: 16940
Ion Ratio Lower Upper
88 100
43 33.9 29.6 44.4
58 68.8 56.2 84.4

Manual Integrations
APPROVED

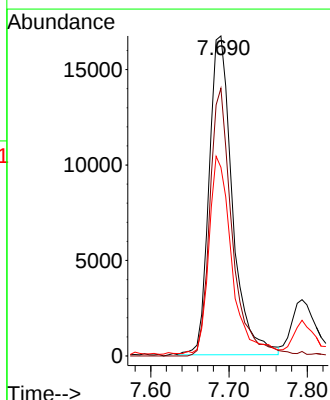
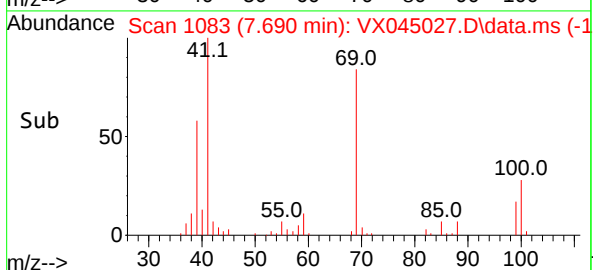
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

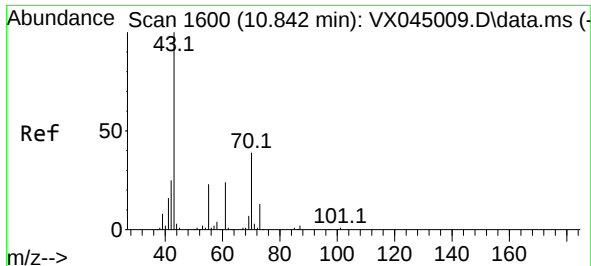


#46
Methyl methacrylate
Concen: 20.183 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



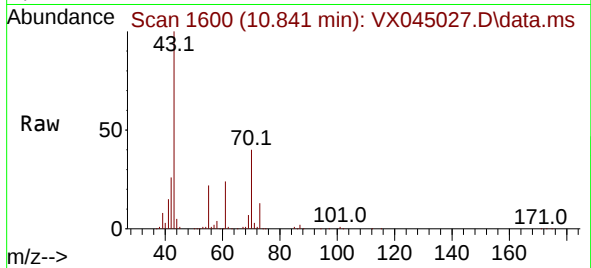
Tgt Ion: 41 Resp: 34607
Ion Ratio Lower Upper
41 100
69 84.0 40.7 122.1
39 58.5 29.5 88.5





#47
n-amy1 Acetate
Concen: 20.000 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

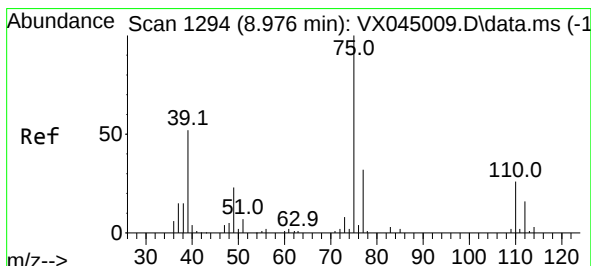
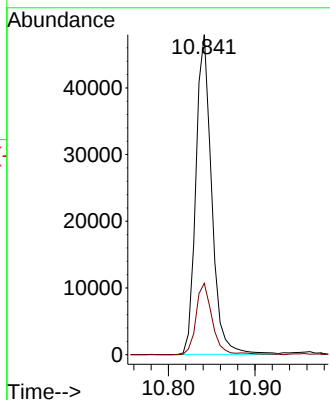
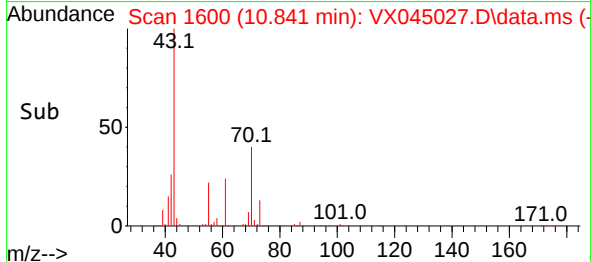
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 6068
Ion Ratio Lower Upper
43 100
55 22.5 18.6 27.8

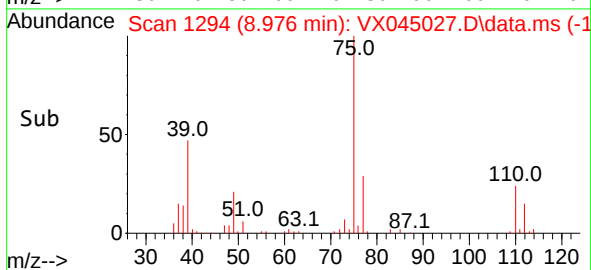
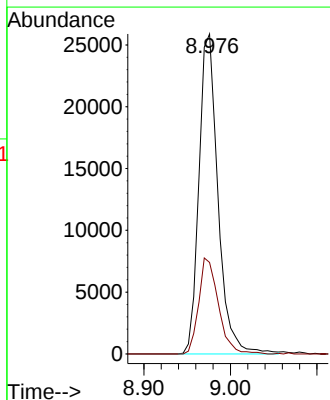
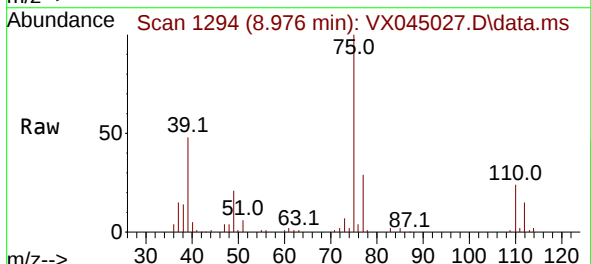
Manual Integrations
APPROVED

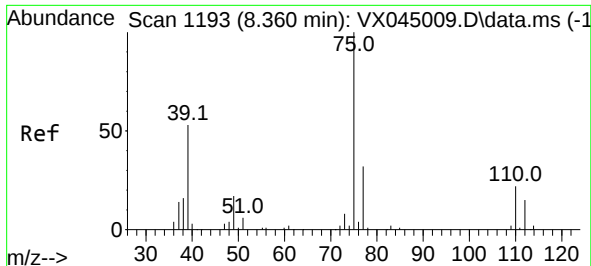
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#48
t-1,3-Dichloropropene
Concen: 18.805 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 75 Resp: 39533
Ion Ratio Lower Upper
75 100
77 28.6 25.7 38.5





#49

cis-1,3-Dichloropropene

Concen: 19.078 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045027.D

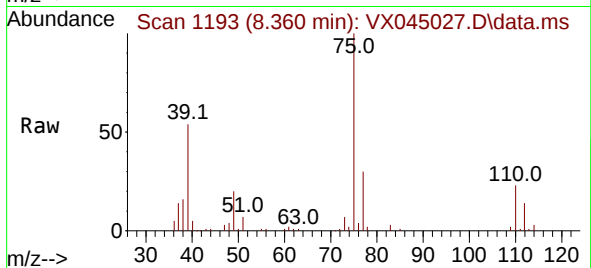
Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC



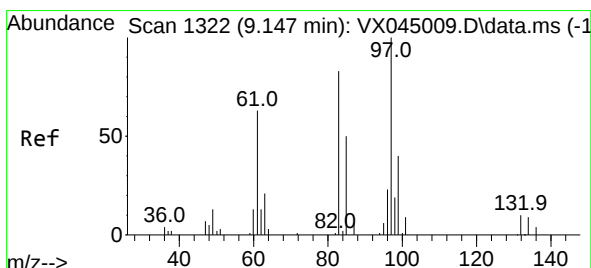
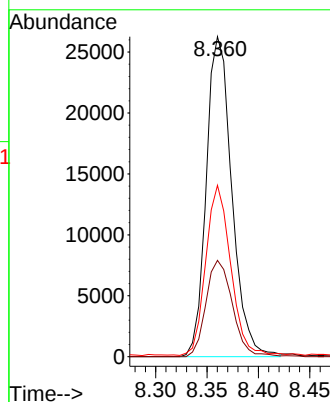
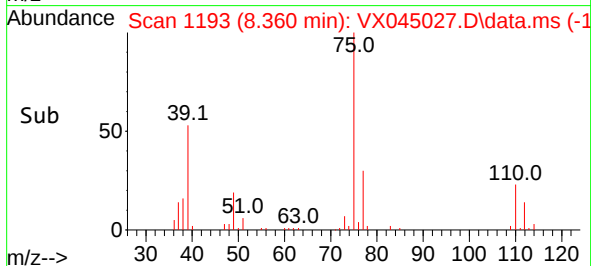
Tgt Ion:	75	Resp:	4540
Ion Ratio	Lower	Upper	
75	100		
77	30.1	25.9	38.9
39	53.1	42.3	63.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#50

1,1,2-Trichloroethane

Concen: 20.394 ug/l

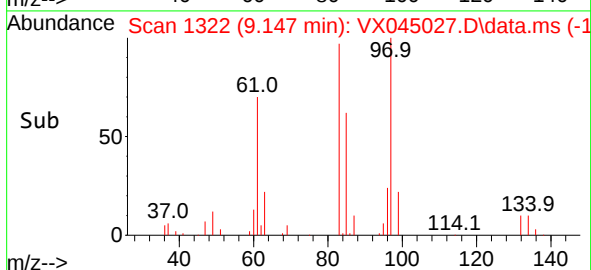
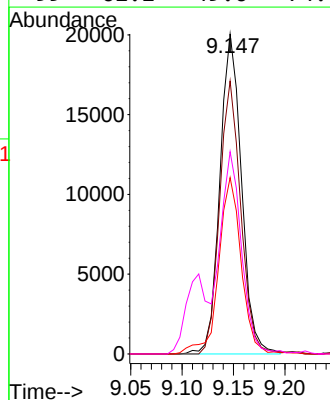
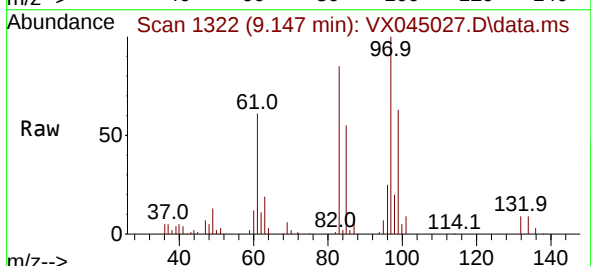
RT: 9.147 min Scan# 1322

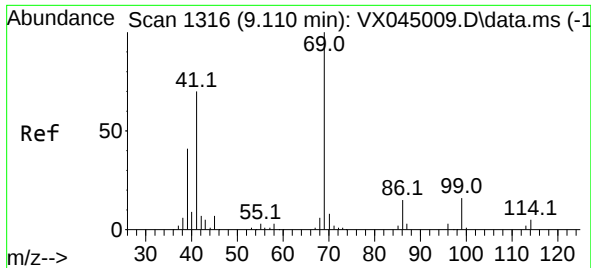
Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

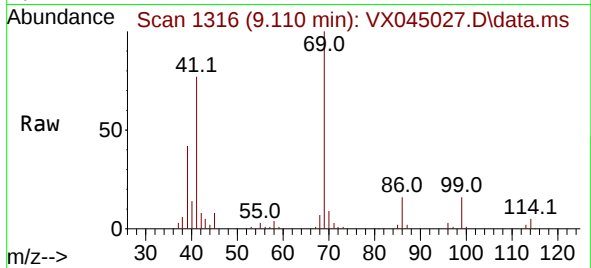
Tgt Ion:	97	Resp:	29192
Ion Ratio	Lower	Upper	
97	100		
83	85.3	66.0	99.0
85	54.7	42.5	63.7
99	62.2	49.6	74.4





#51
Ethyl methacrylate
Concen: 19.111 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

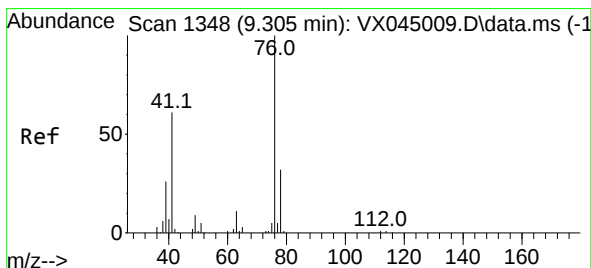
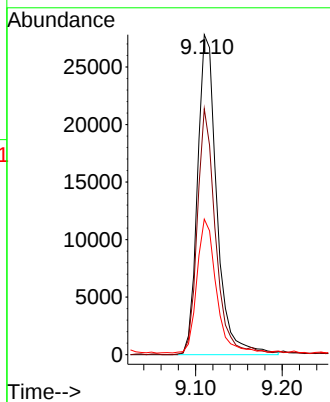
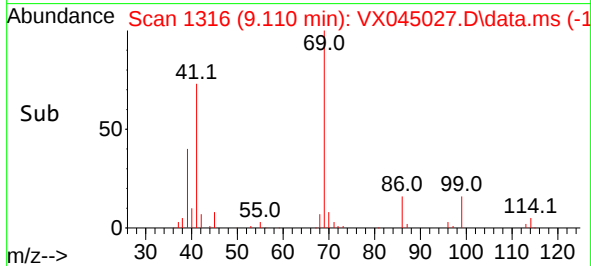
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



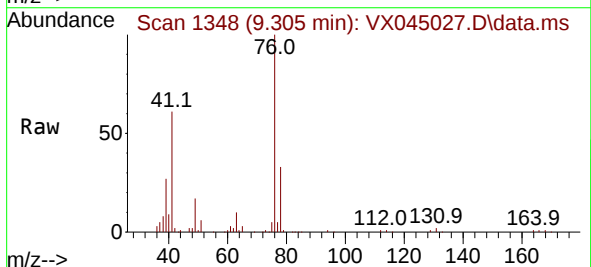
Tgt Ion: 69 Resp: 43024
Ion Ratio Lower Upper
69 100
41 76.6 35.1 105.3
39 41.5 20.5 61.6

Manual Integrations
APPROVED

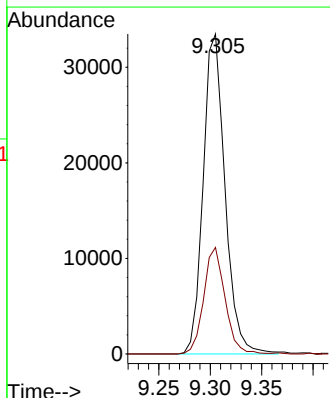
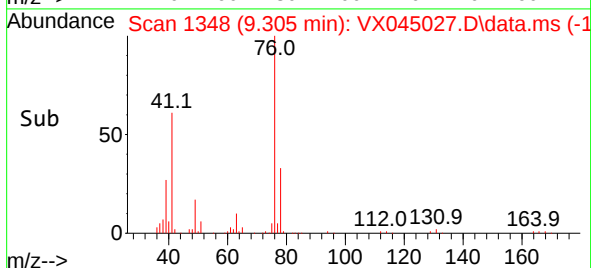
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

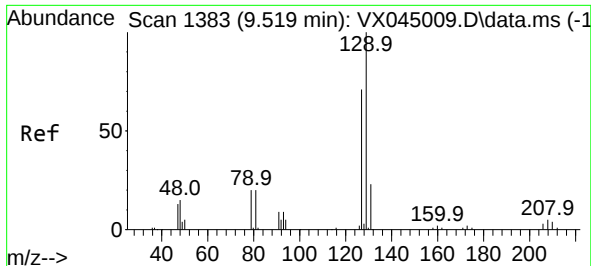


#52
1,3-Dichloropropane
Concen: 19.731 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



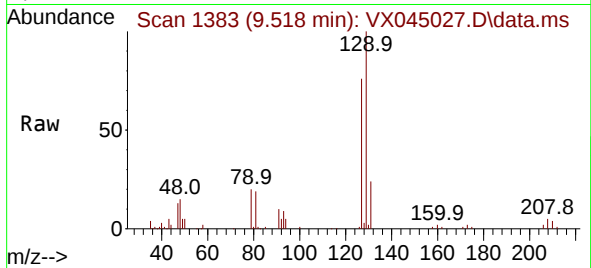
Tgt Ion: 76 Resp: 49487
Ion Ratio Lower Upper
76 100
78 32.4 0.0 63.6





#53
Dibromochloromethane
Concen: 20.030 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

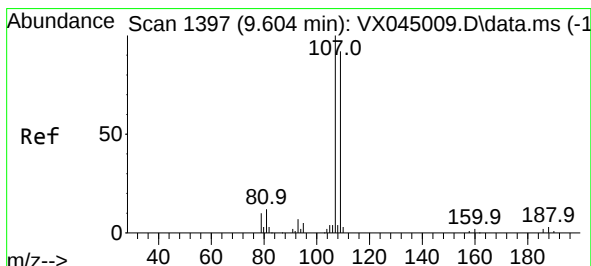
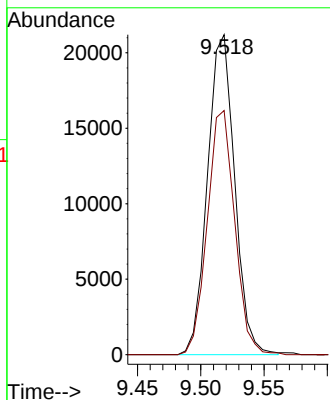
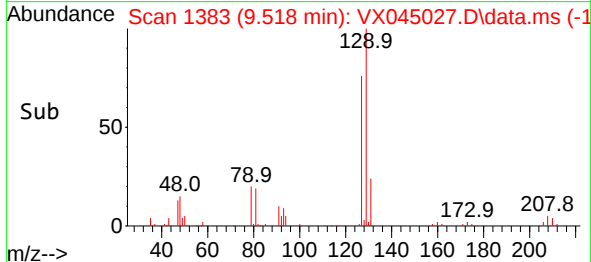
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:129 Resp: 31709
Ion Ratio Lower Upper
129 100
127 76.8 37.3 111.9

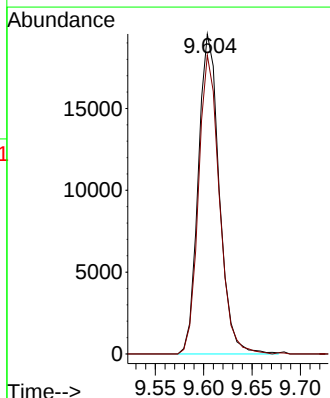
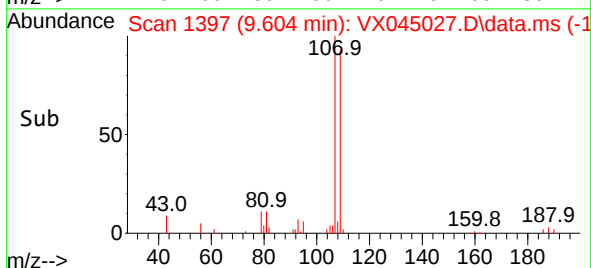
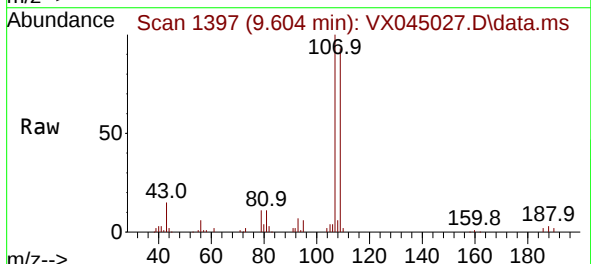
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#54
1,2-Dibromoethane
Concen: 20.388 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

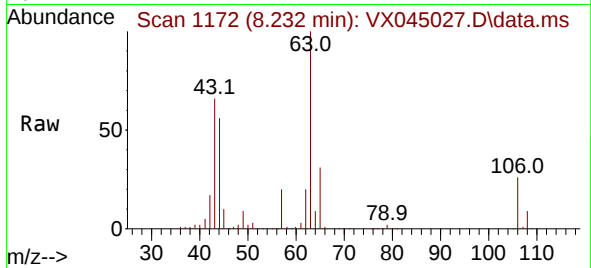
Tgt Ion:107 Resp: 29634
Ion Ratio Lower Upper
107 100
109 92.5 75.8 113.8





#55
2-Chloroethyl vinyl ether
Concen: 100.190 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

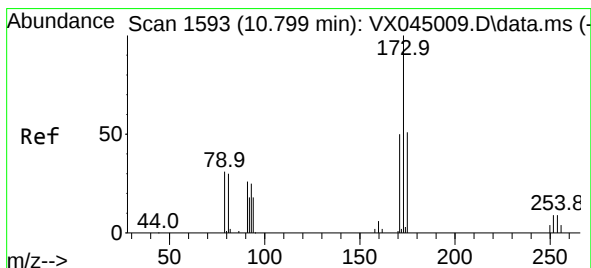
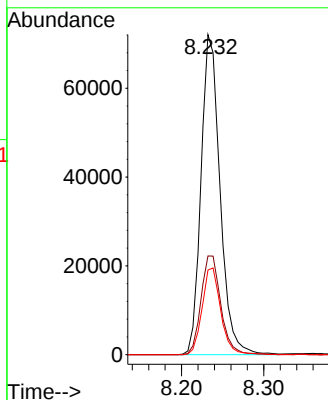
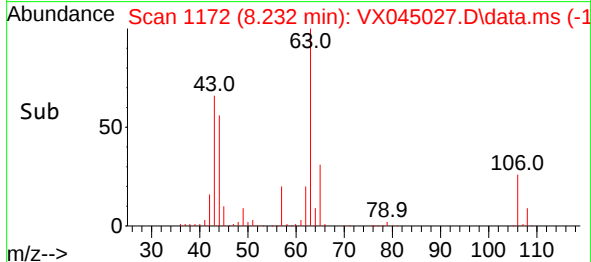
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 115825
Ion Ratio Lower Upper
63 100
65 32.2 26.2 39.2
106 26.6 21.2 31.8

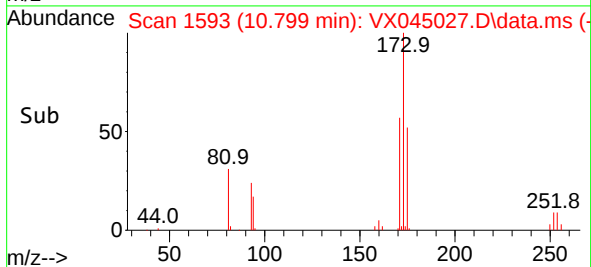
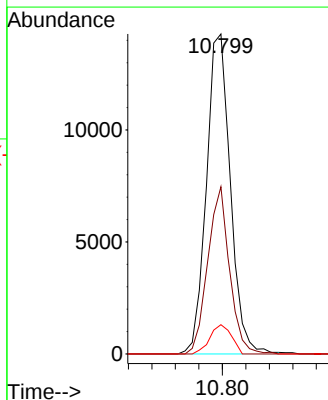
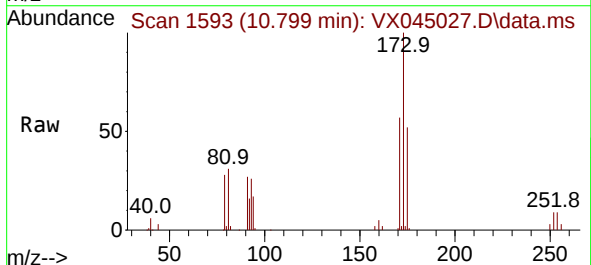
Manual Integrations
APPROVED

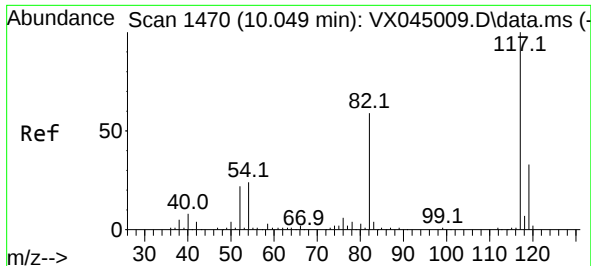
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#56
Bromoform
Concen: 20.375 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion:173 Resp: 20213
Ion Ratio Lower Upper
173 100
175 47.6 39.6 59.4
254 8.2 6.3 9.5





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 117 Resp: 98509

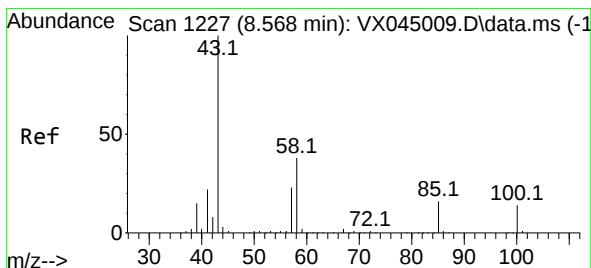
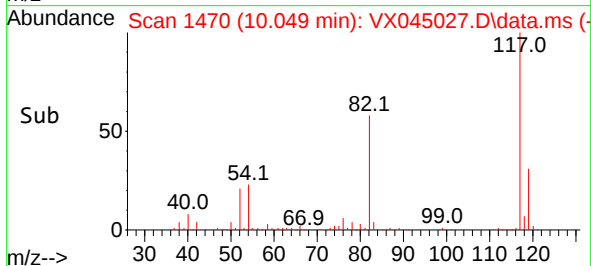
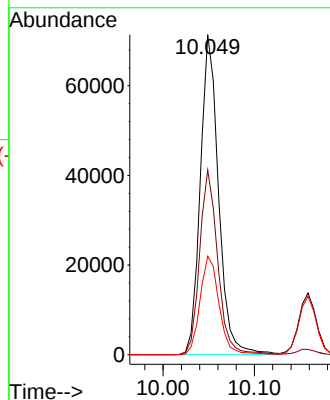
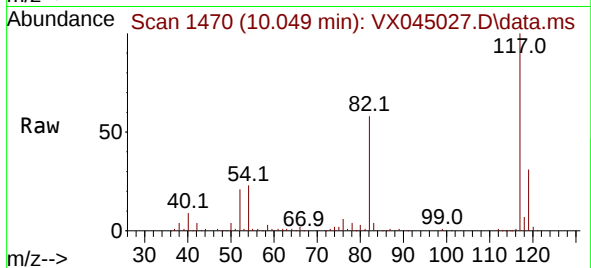
Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.8
119	32.3	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#58

4-Methyl-2-Pentanone

Concen: 108.951 ug/l

RT: 8.567 min Scan# 1227

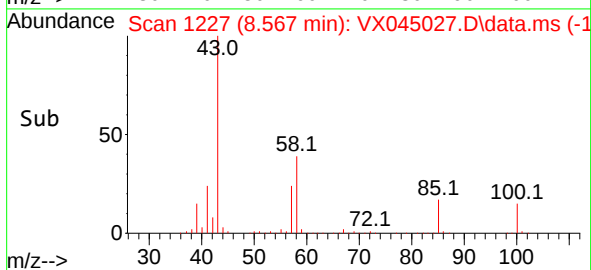
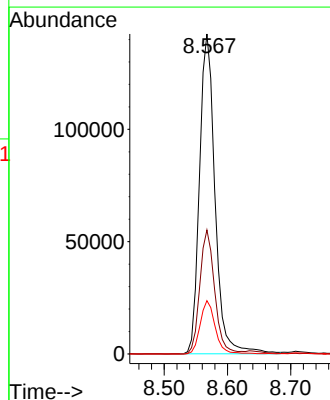
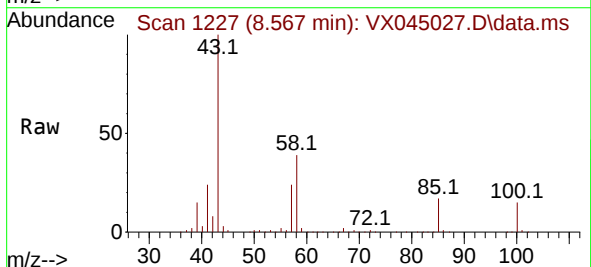
Delta R.T. -0.000 min

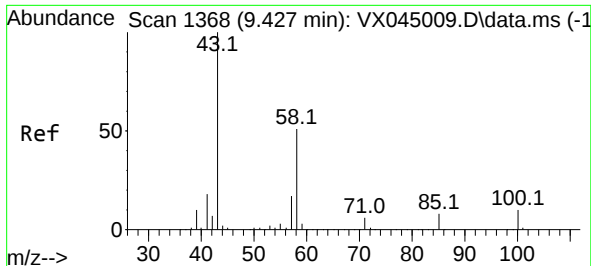
Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Tgt Ion: 43 Resp: 244145

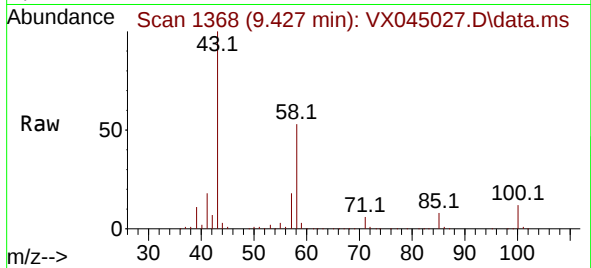
Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3
85	16.0	12.9	19.3





#59
2-Hexanone
Concen: 109.733 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

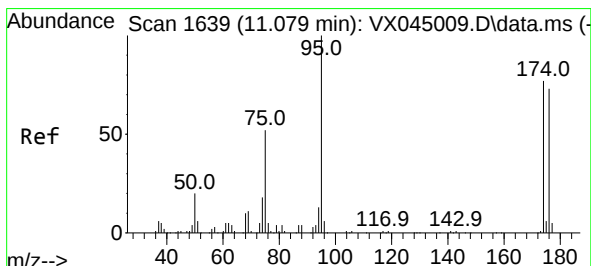
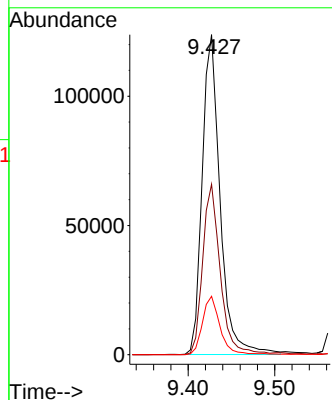
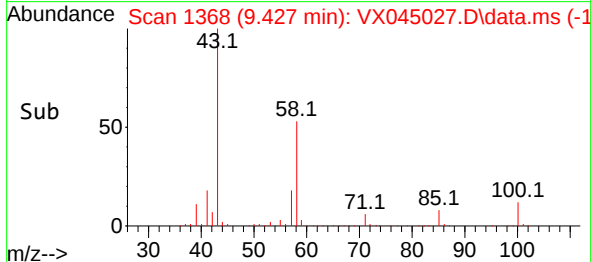
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 177738
Ion Ratio Lower Upper
43 100
58 52.0 41.6 62.4
57 17.6 13.8 20.6

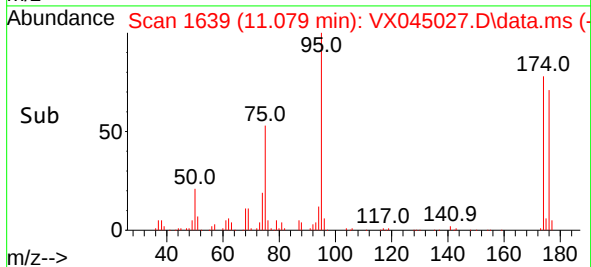
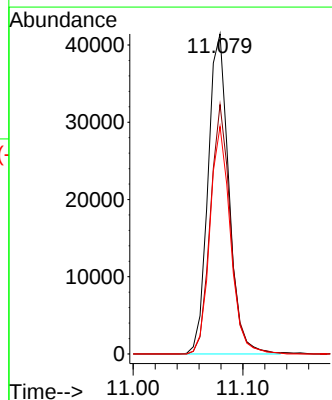
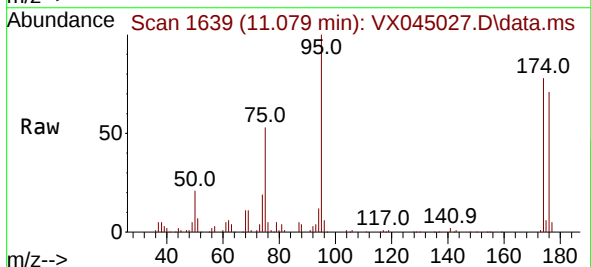
Manual Integrations
APPROVED

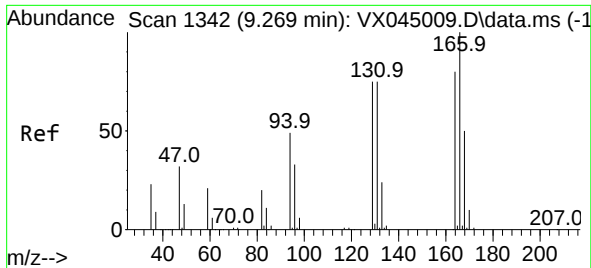
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#60
4-Bromofluorobenzene
Concen: 29.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

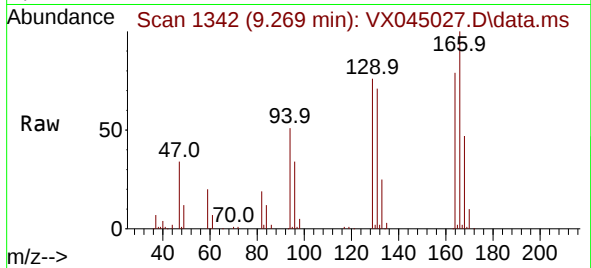
Tgt Ion: 95 Resp: 54742
Ion Ratio Lower Upper
95 100
174 75.7 59.5 89.3
176 70.0 55.5 83.3





#61
Tetrachloroethene
Concen: 19.534 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

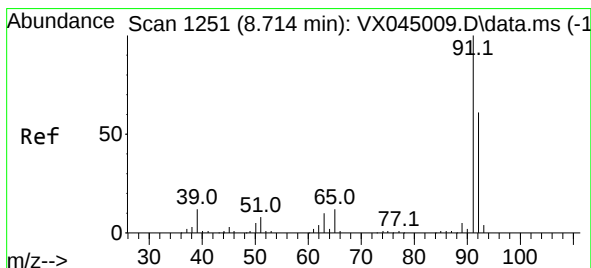
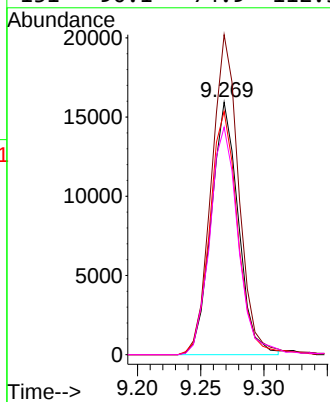
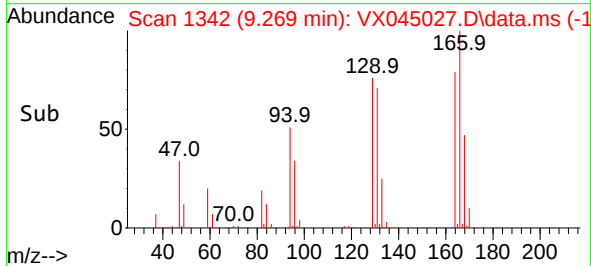
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 23690
Ion Ratio Lower Upper
164 100
166 126.8 100.3 150.5
129 96.3 75.5 113.3
131 90.1 74.9 112.3

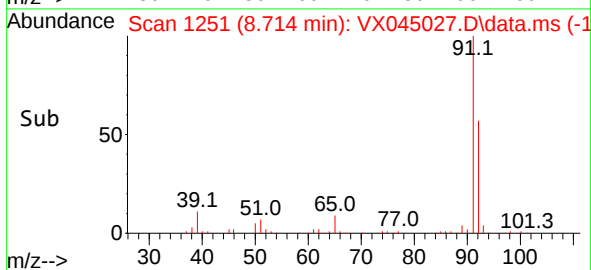
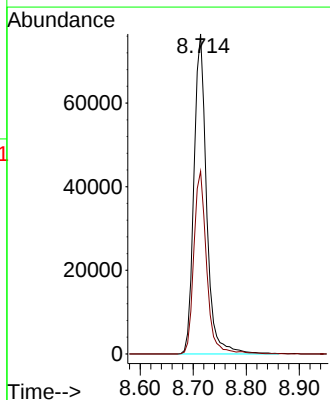
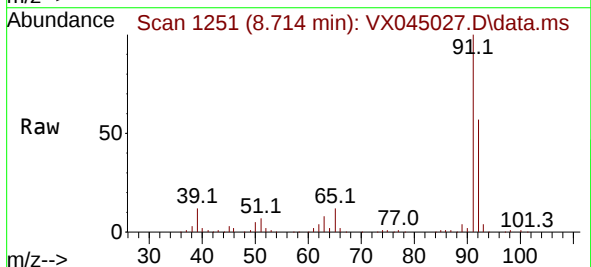
Manual Integrations
APPROVED

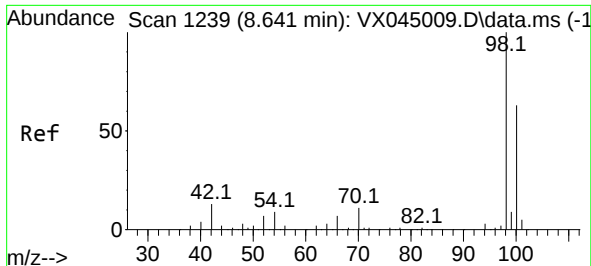
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#62
Toluene
Concen: 19.374 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

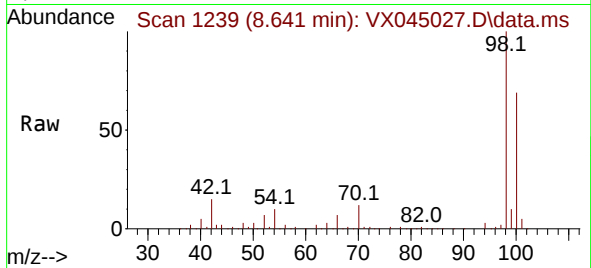
Tgt Ion: 91 Resp: 126429
Ion Ratio Lower Upper
91 100
92 57.0 46.9 70.3





#63
Toluene-d8
Concen: 29.465 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

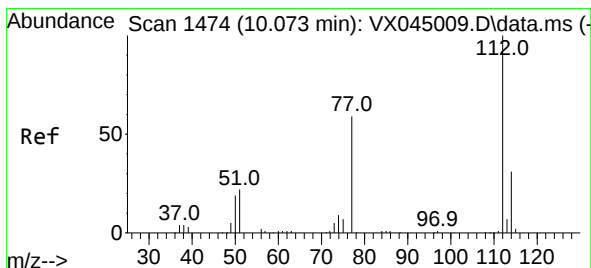
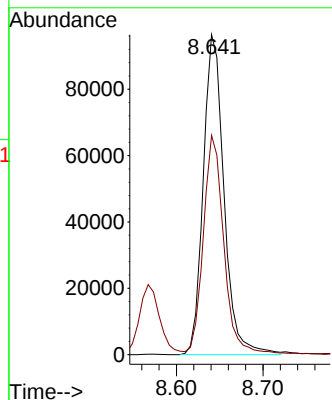
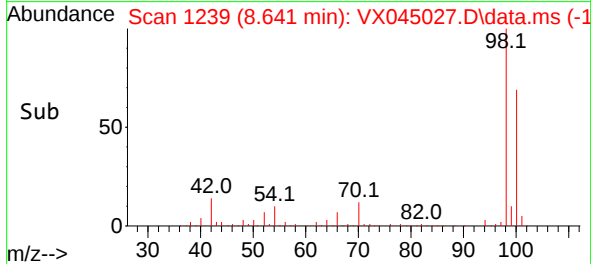
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



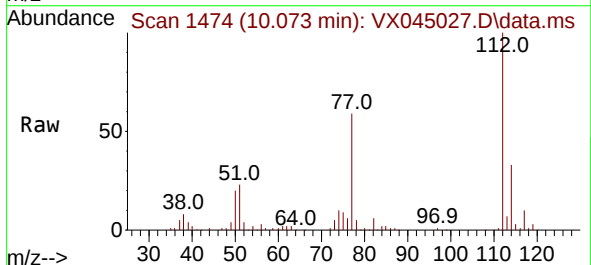
Tgt Ion: 98 Resp: 160572
Ion Ratio Lower Upper
98 100
100 67.8 51.7 77.5

Manual Integrations
APPROVED

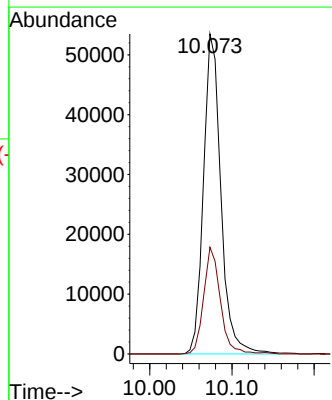
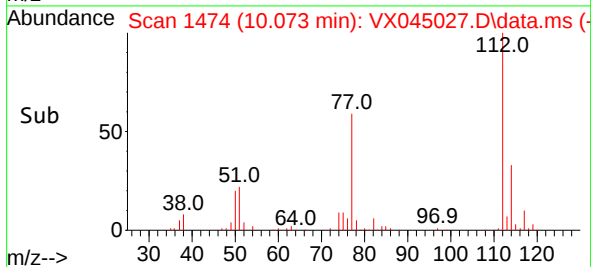
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#64
Chlorobenzene
Concen: 19.455 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



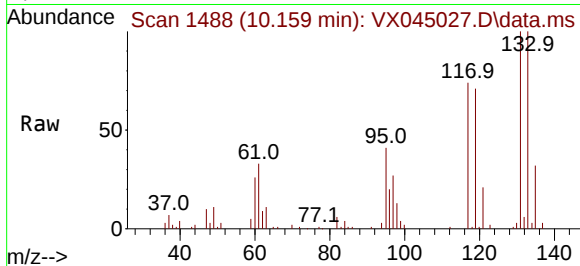
Tgt Ion:112 Resp: 78672
Ion Ratio Lower Upper
112 100
114 33.4 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 18.802 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

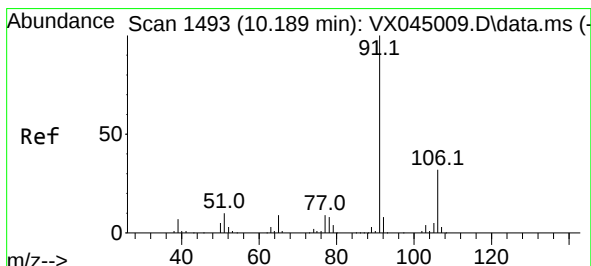
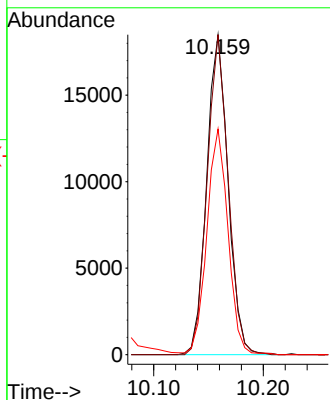
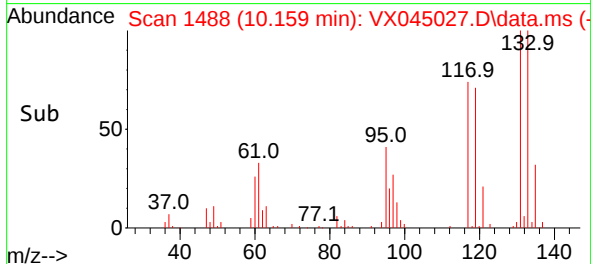
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 2508
Ion Ratio Lower Upper
131 100
133 98.1 0.0 187.8
119 69.4 0.0 133.0

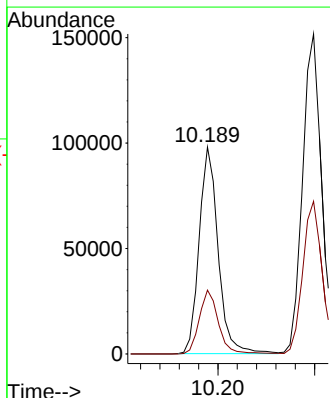
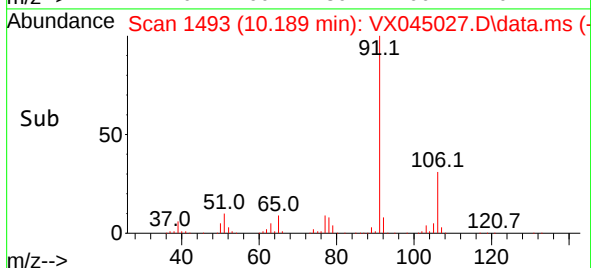
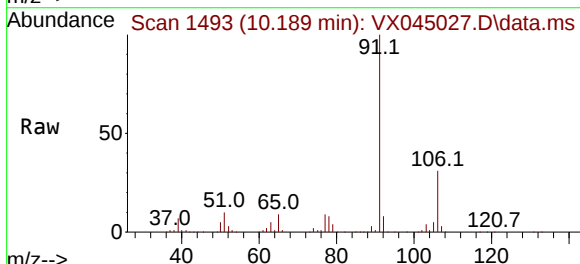
Manual Integrations
APPROVED

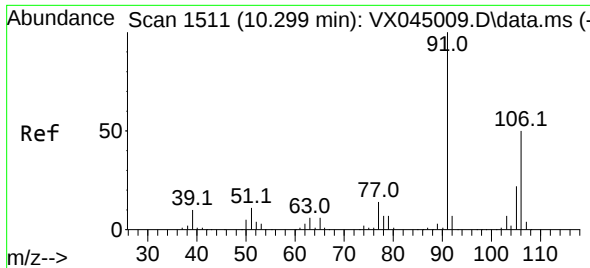
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#66
Ethyl Benzene
Concen: 18.773 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 91 Resp: 134118
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2





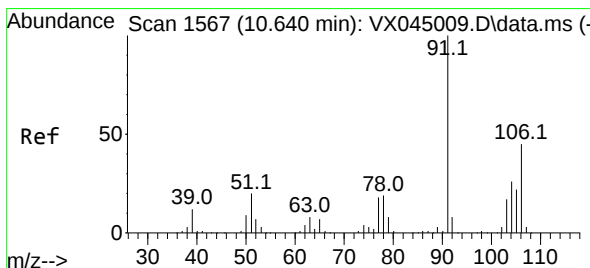
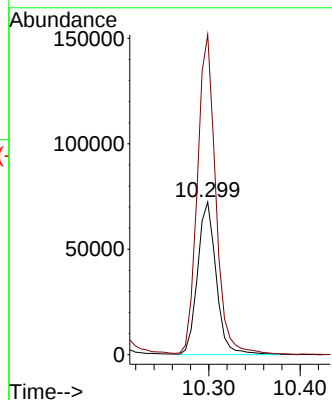
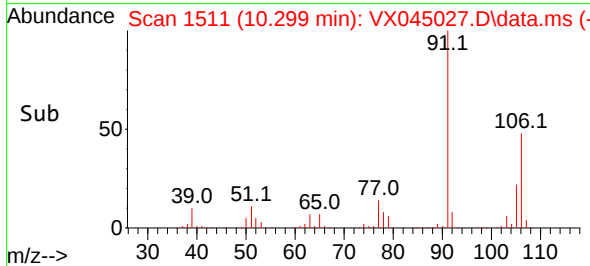
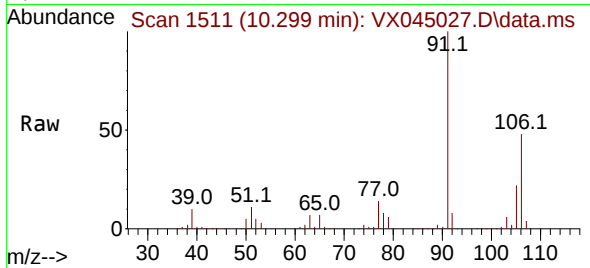
#67
m/p-Xylenes
Concen: 38.535 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 10257
Ion Ratio Lower Upper
106 100
91 206.6 163.7 245.5

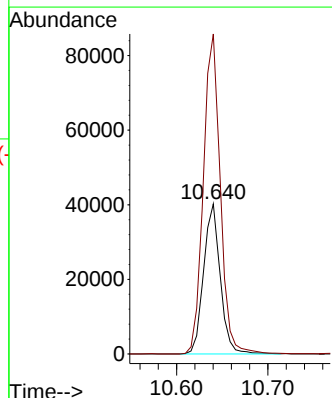
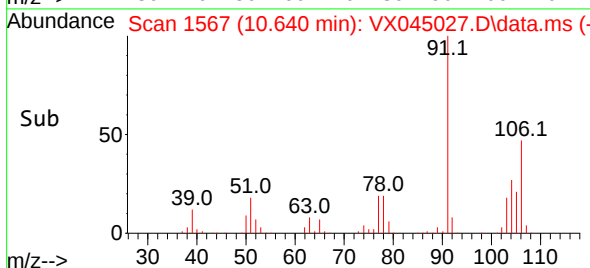
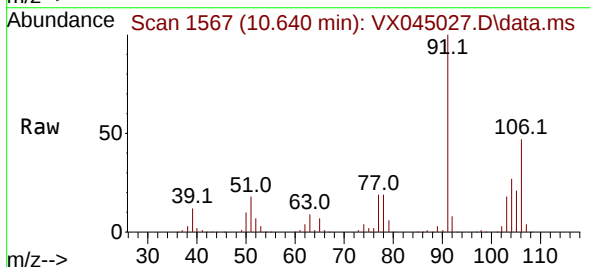
Manual Integrations
APPROVED

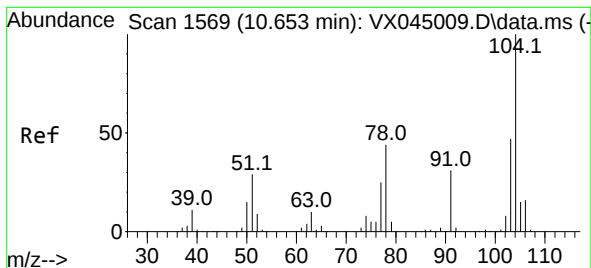
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#68
o-Xylene
Concen: 19.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion:106 Resp: 50850
Ion Ratio Lower Upper
106 100
91 217.6 109.7 329.1





#69

Styrene

Concen: 19.319 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

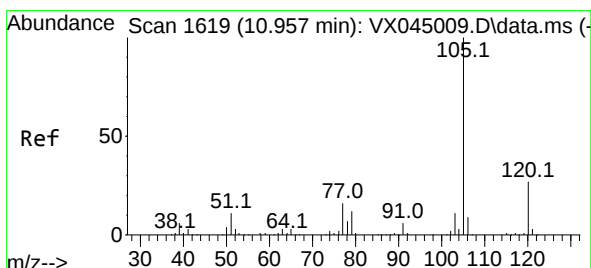
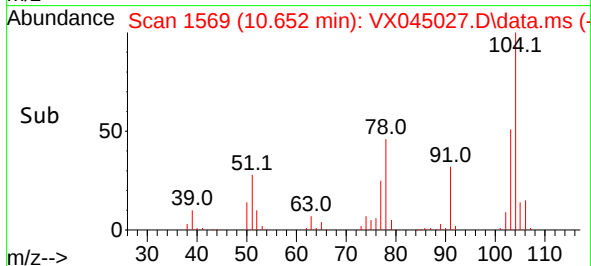
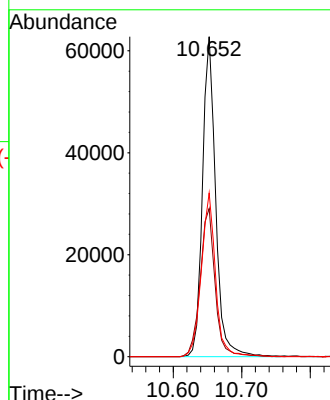
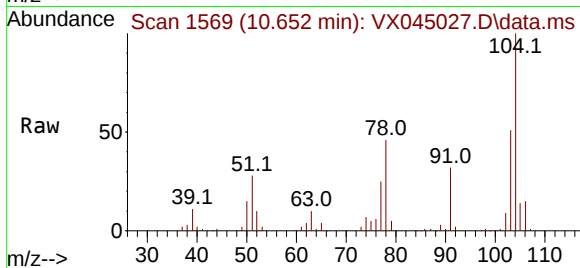
Tgt Ion:104	Resp:	84269
Ion Ratio	Lower	Upper
104	100	
78	52.2	41.4 62.0
103	55.1	43.0 64.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#70

Isopropylbenzene

Concen: 19.331 ug/l

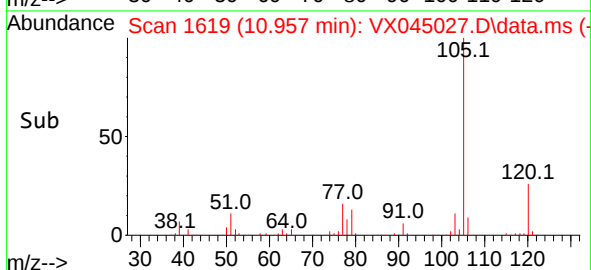
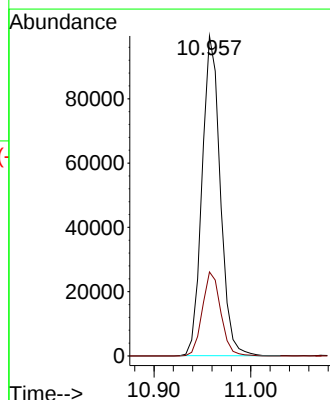
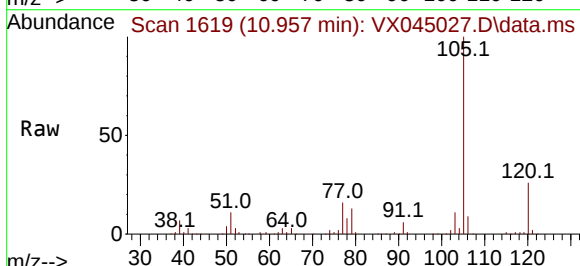
RT: 10.957 min Scan# 1619

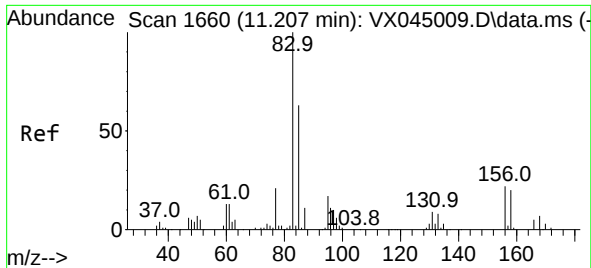
Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

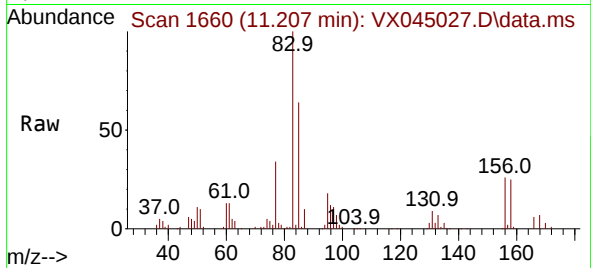
Tgt Ion:105	Resp:	130285
Ion Ratio	Lower	Upper
105	100	
120	26.6	18.4 34.2





#71
1,1,2,2-Tetrachloroethane
Concen: 20.565 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

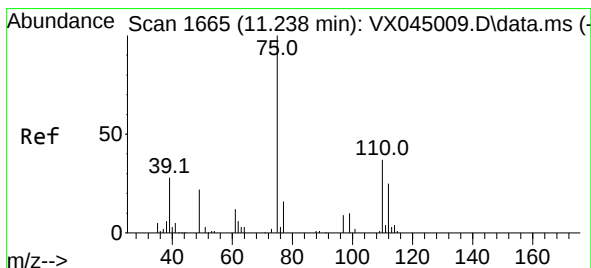
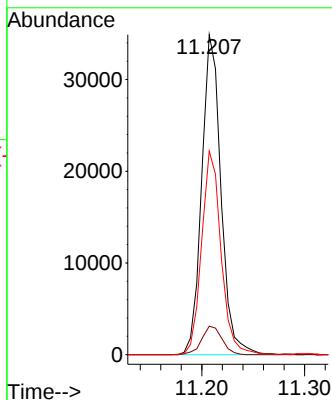
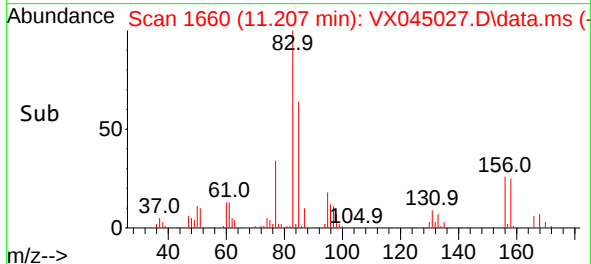
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



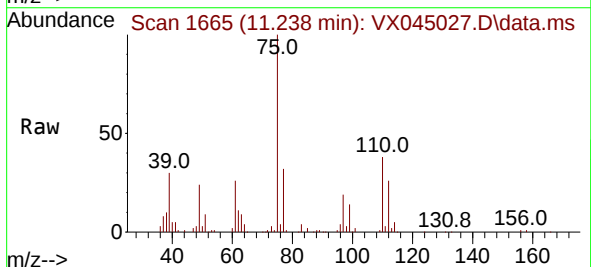
Tgt Ion: 83 Resp: 45578
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 63.5 32.3 96.8

Manual Integrations
APPROVED

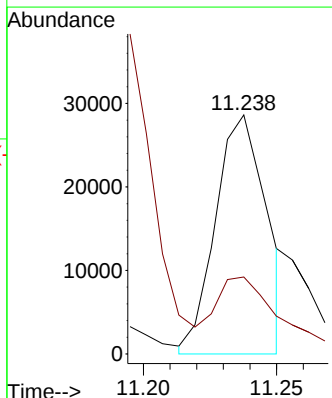
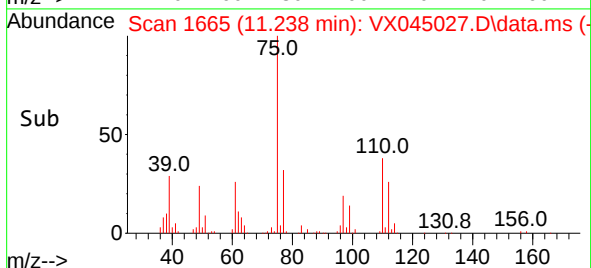
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

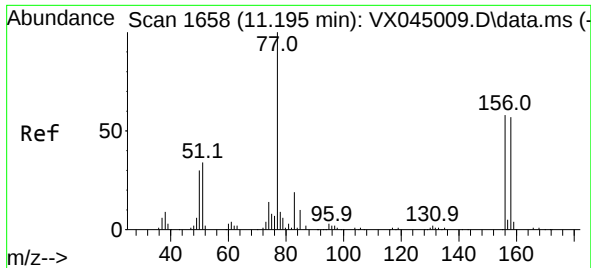


#72
1,2,3-Trichloropropane
Concen: 20.845 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



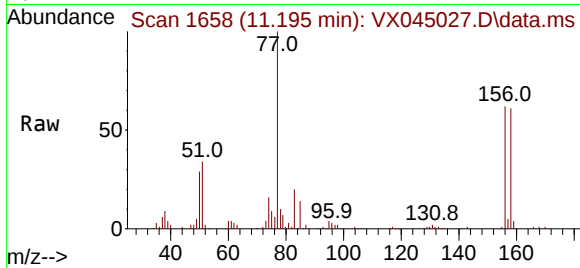
Tgt Ion: 75 Resp: 37998
Ion Ratio Lower Upper
75 100
77 41.5 0.0 84.0





#73
Bromobenzene
Concen: 19.720 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

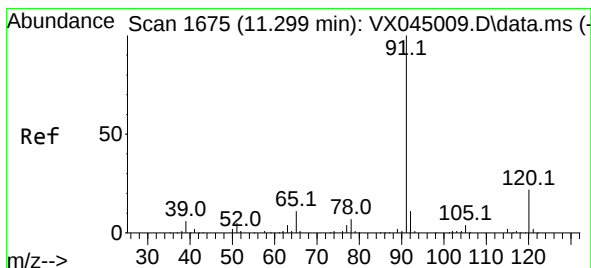
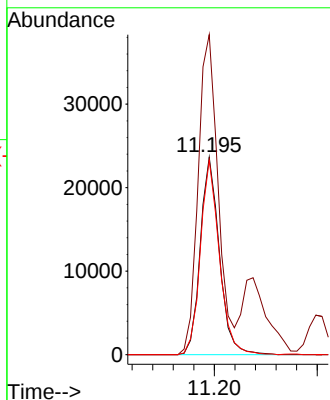
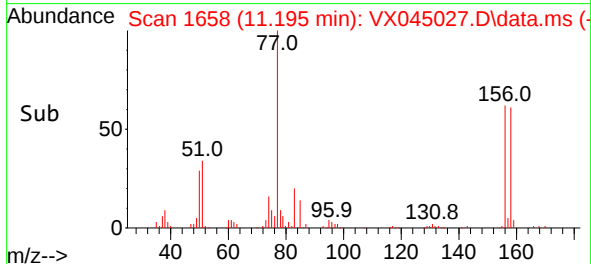
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



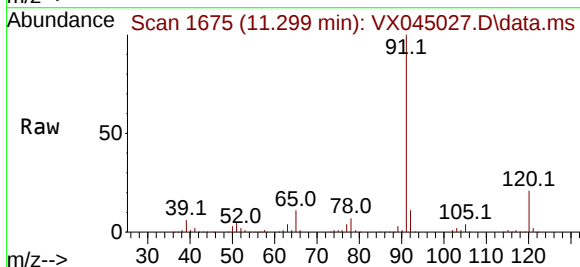
Tgt Ion:156 Resp: 3059
Ion Ratio Lower Upper
156 100
77 169.1 0.0 347.2
158 97.8 0.0 197.6

Manual Integrations
APPROVED

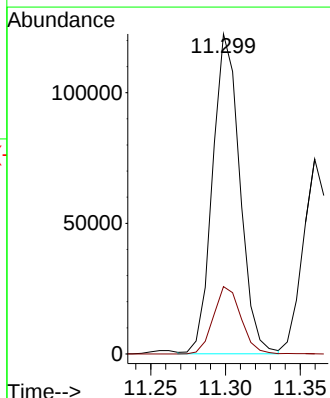
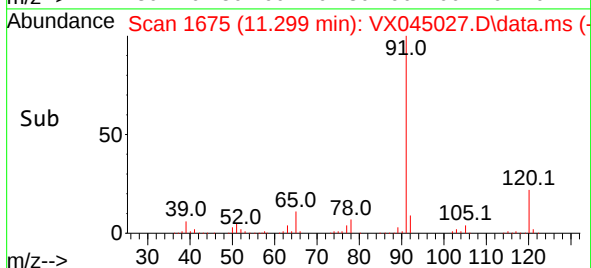
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

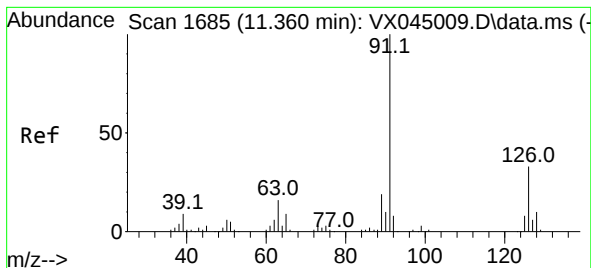


#74
n-propylbenzene
Concen: 19.393 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



Tgt Ion: 91 Resp: 155539
Ion Ratio Lower Upper
91 100
120 21.2 0.0 44.2





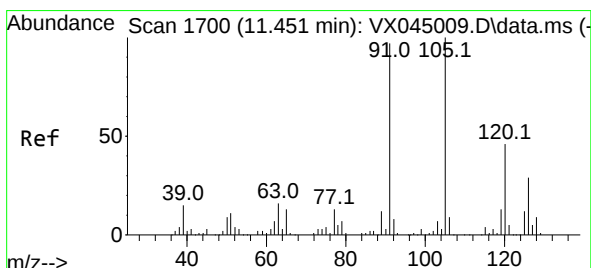
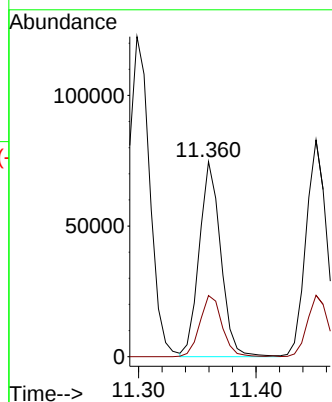
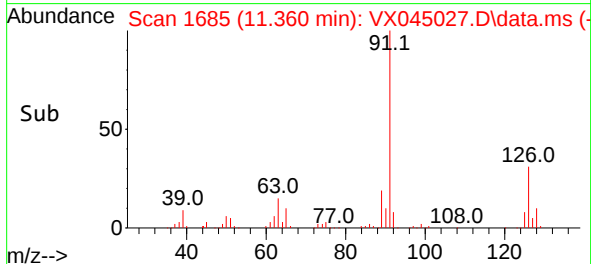
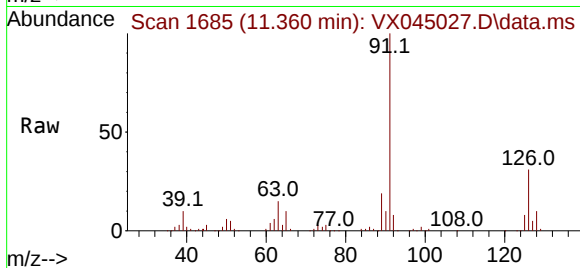
#75
2-Chlorotoluene
Concen: 19.633 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 95197
Ion Ratio Lower Upper
91 100
126 32.3 0.0 65.4

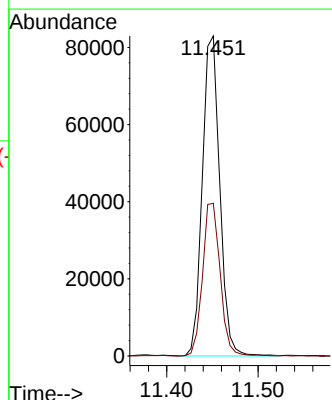
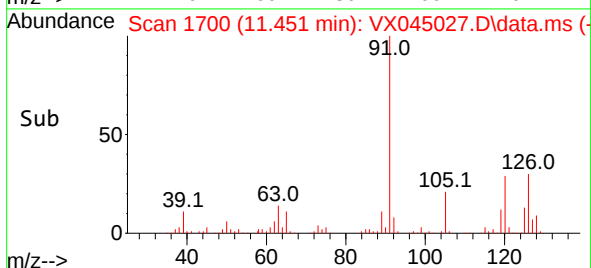
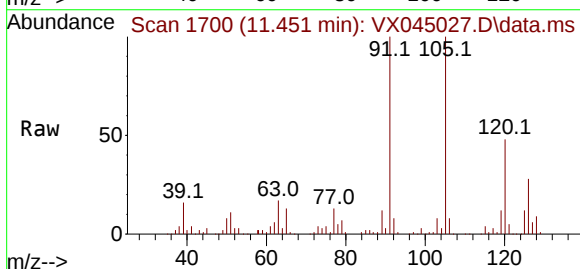
Manual Integrations
APPROVED

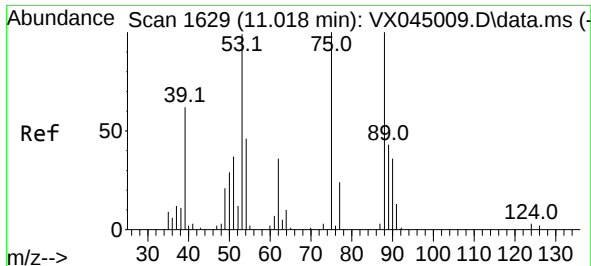
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.749 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

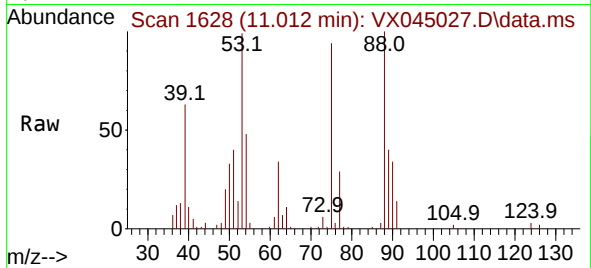
Tgt Ion:105 Resp: 109806
Ion Ratio Lower Upper
105 100
120 48.0 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 18.727 ug/l
RT: 11.012 min Scan# 1628
Delta R.T. -0.006 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

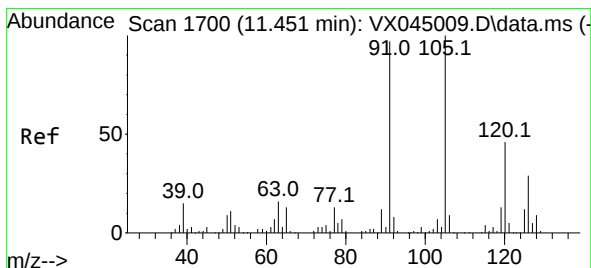
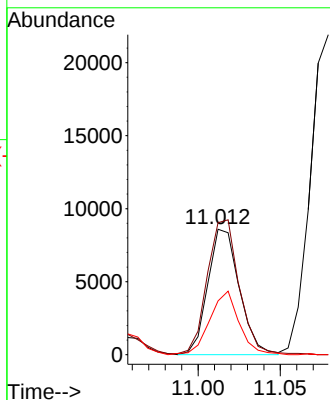
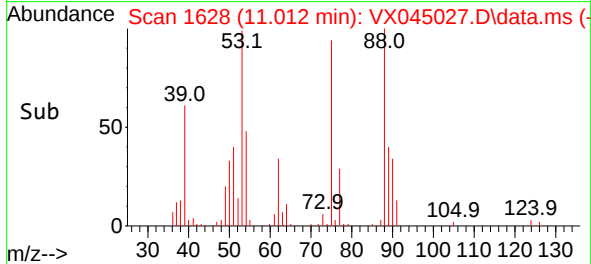
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 1148
Ion Ratio Lower Upper
75 100
53 104.3 49.8 149.4
89 41.8 21.4 64.2

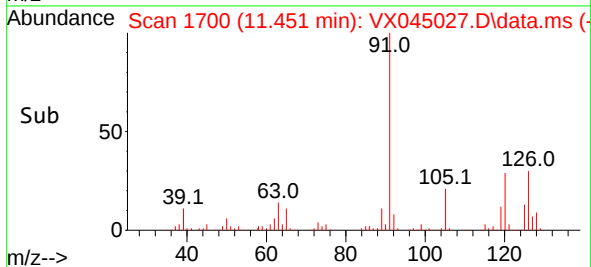
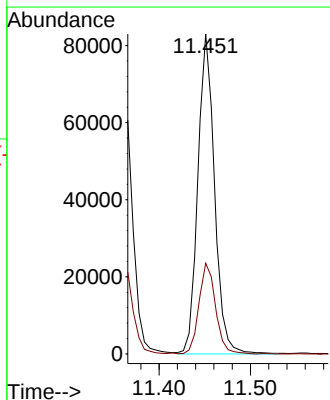
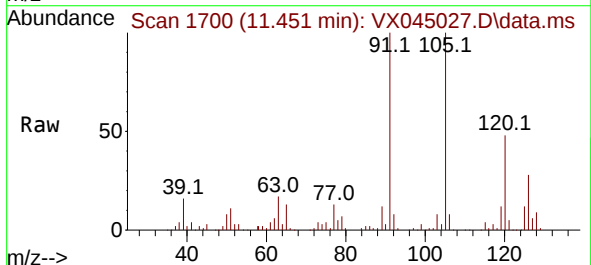
Manual Integrations
APPROVED

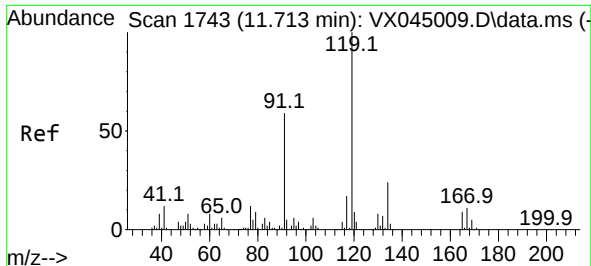
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#78
4-Chlorotoluene
Concen: 19.455 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

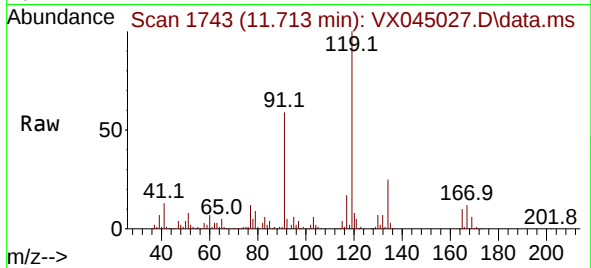
Tgt Ion: 91 Resp: 105157
Ion Ratio Lower Upper
91 100
126 28.1 0.0 58.0





#79
tert-butylbenzene
Concen: 19.837 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

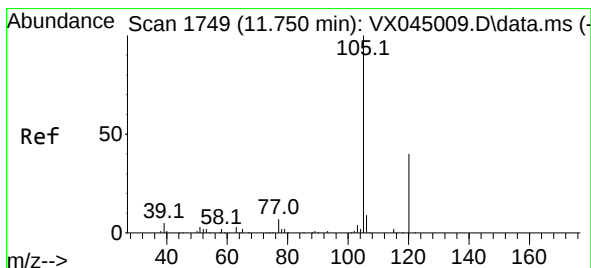
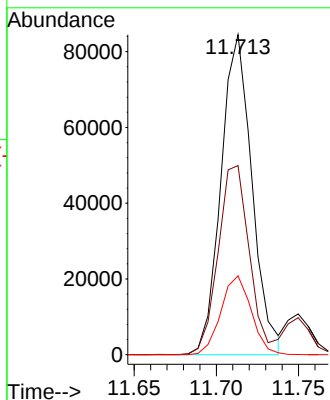
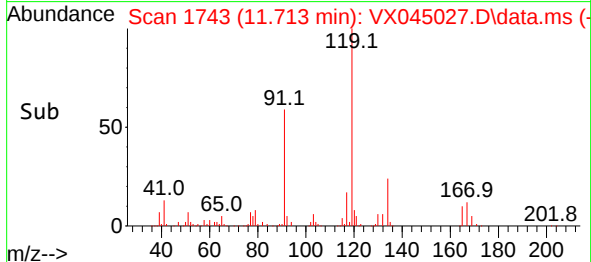
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



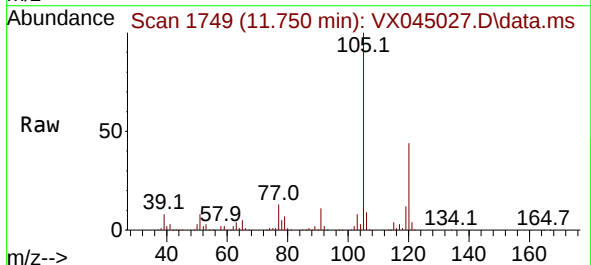
Tgt Ion:119 Resp: 11113
Ion Ratio Lower Upper
119 100
91 58.9 0.0 120.6
134 24.1 0.0 48.2

Manual Integrations
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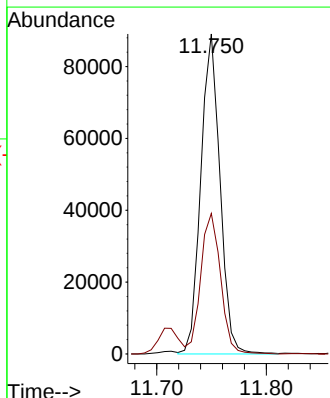
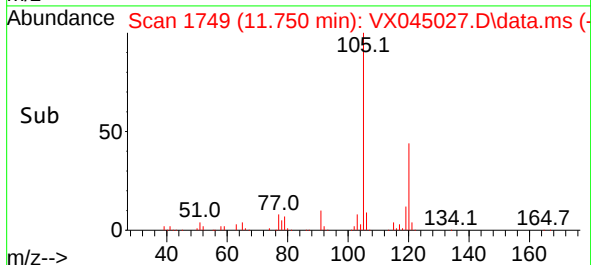
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

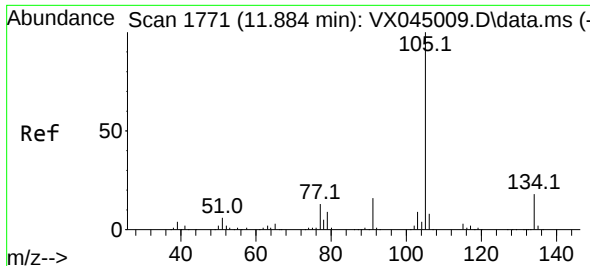


#80
1,2,4-Trimethylbenzene
Concen: 19.444 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



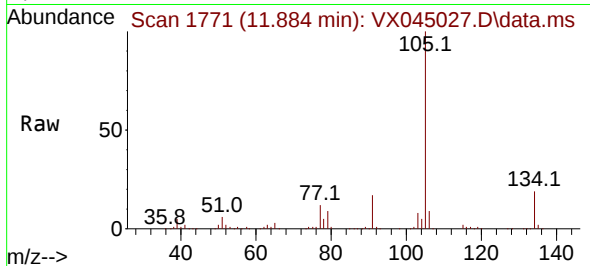
Tgt Ion:105 Resp: 108297
Ion Ratio Lower Upper
105 100
120 45.5 0.0 88.4





#81
 sec-Butylbenzene
 Concen: 19.898 ug/l
 RT: 11.884 min Scan# 1771
 Delta R.T. -0.000 min
 Lab File: VX045027.D
 Acq: 24 Feb 2025 16:40

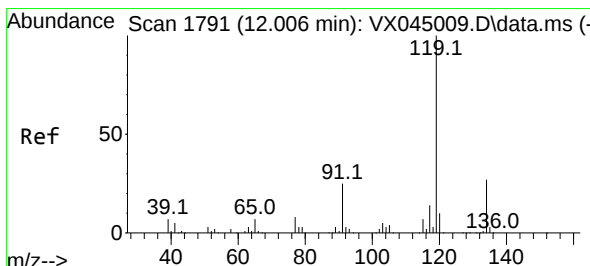
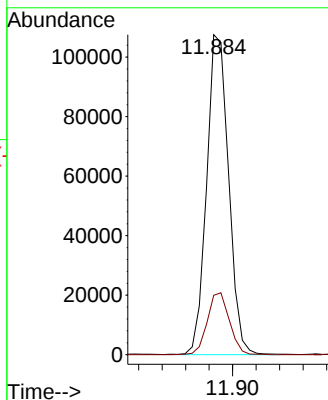
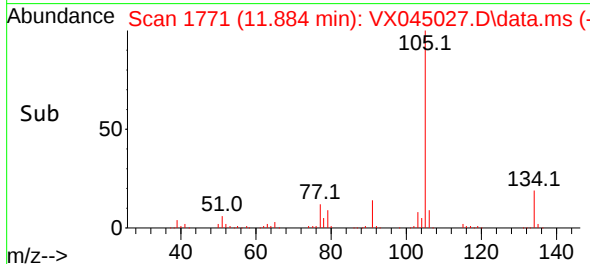
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC



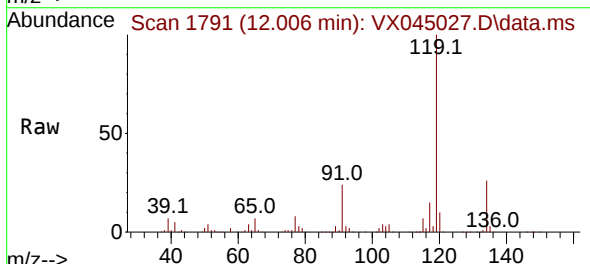
Tgt Ion:105 Resp: 13990
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.0

Manual Integrations
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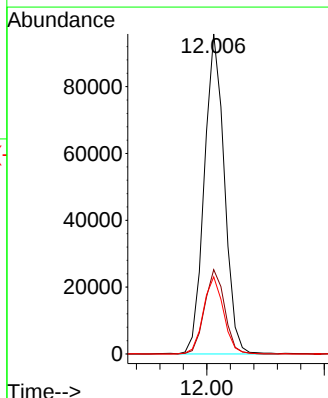
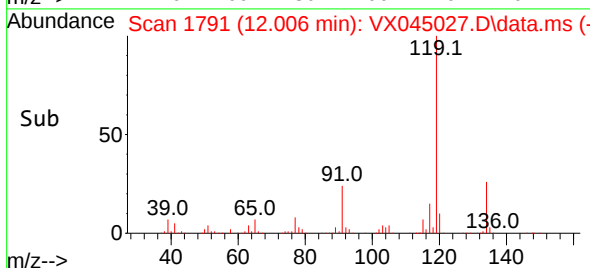
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025

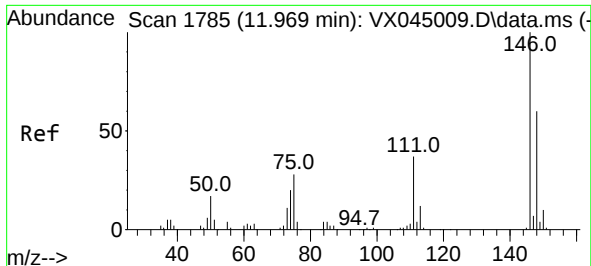


#82
 p-Isopropyltoluene
 Concen: 19.919 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045027.D
 Acq: 24 Feb 2025 16:40



Tgt Ion:119 Resp: 113477
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 24.3 0.0 51.0





#83

1,3-Dichlorobenzene

Concen: 19.442 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

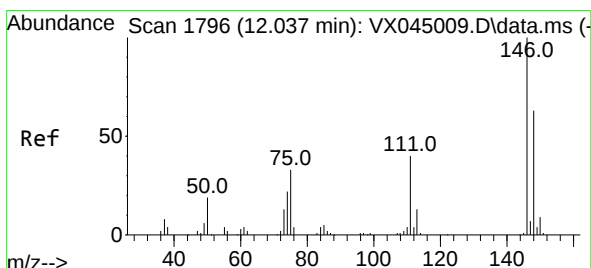
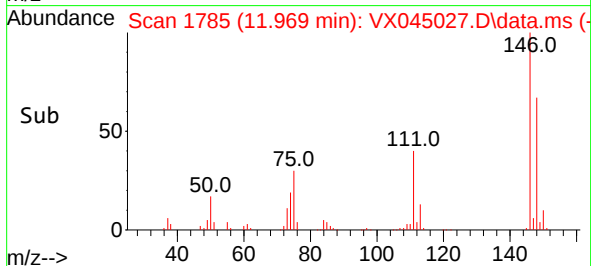
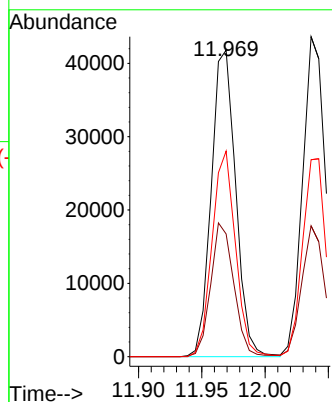
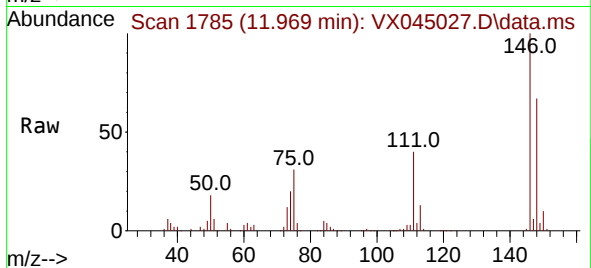
Tgt Ion:146 Resp: 56124
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.2 60.5
 148 64.3 31.2 93.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#84

1,4-Dichlorobenzene

Concen: 19.886 ug/l

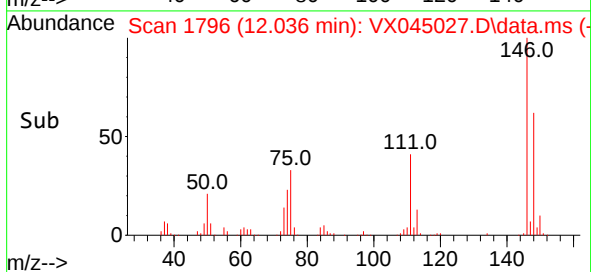
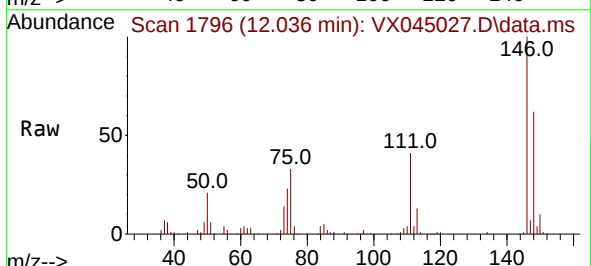
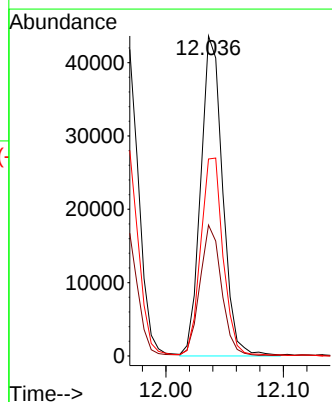
RT: 12.036 min Scan# 1796

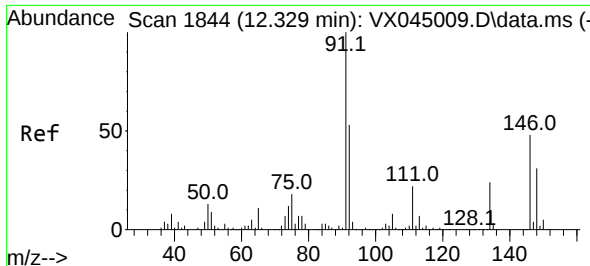
Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Tgt Ion:146 Resp: 56601
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.2
 148 63.6 31.8 95.4





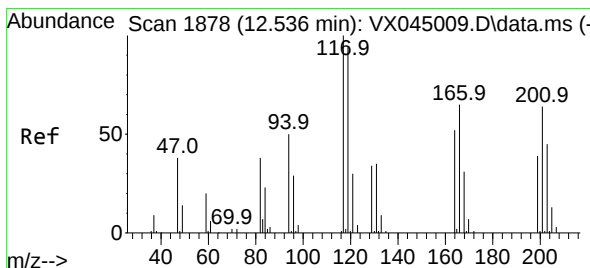
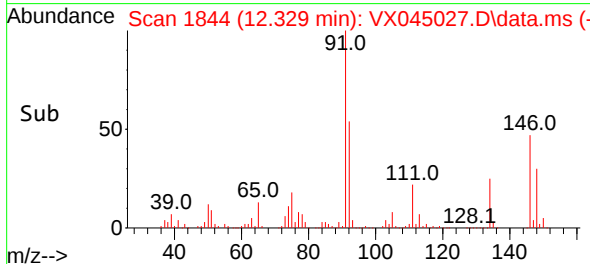
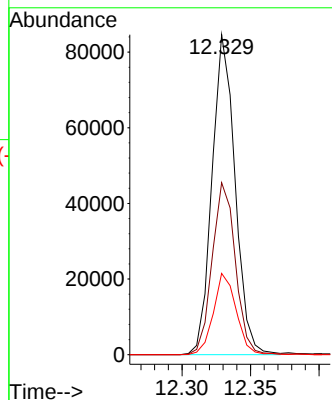
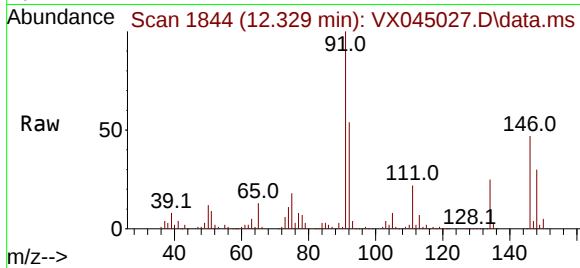
#85
n-Butylbenzene
Concen: 19.032 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 99008
Ion Ratio Lower Upper
91 100
92 54.1 0.0 105.2
134 25.2 0.0 49.4

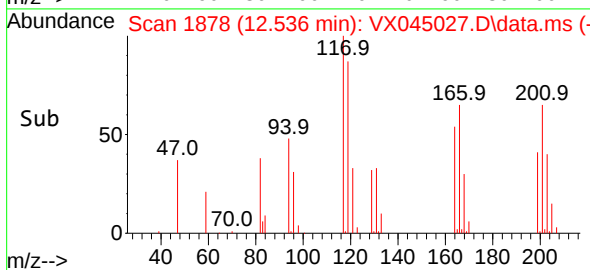
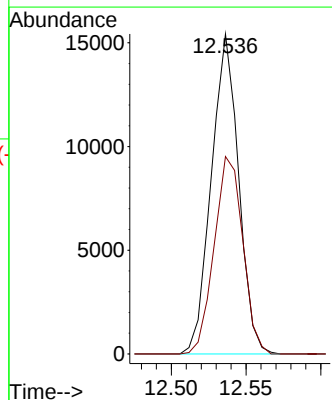
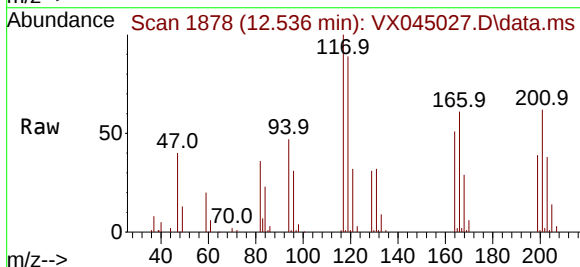
Manual Integrations
APPROVED

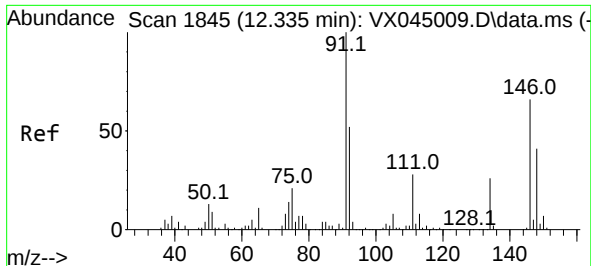
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#86
Hexachloroethane
Concen: 19.465 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

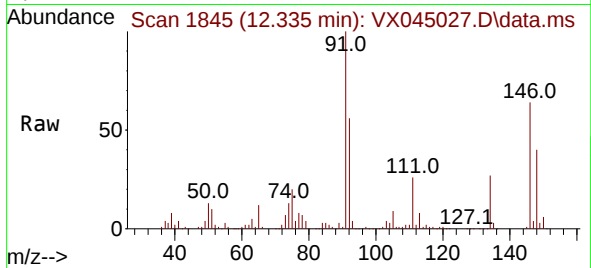
Tgt Ion:117 Resp: 19557
Ion Ratio Lower Upper
117 100
201 64.7 32.6 97.7





#87
1,2-Dichlorobenzene
Concen: 20.140 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

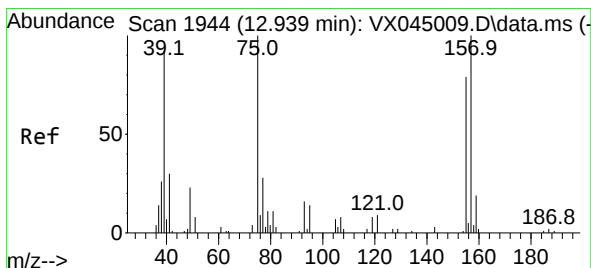
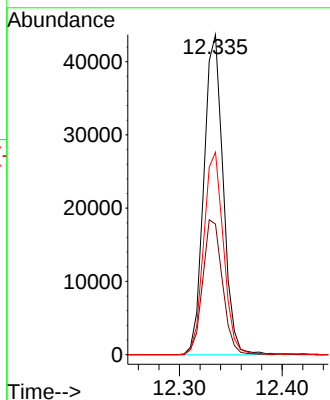
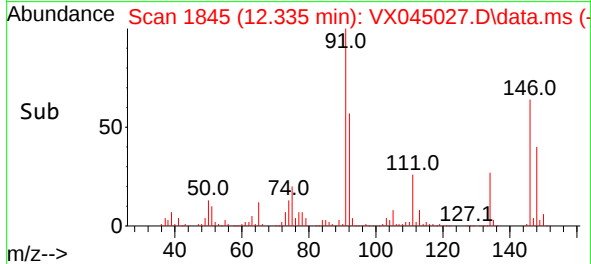
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 5704
Ion Ratio Lower Upper
146 100
111 43.1 21.7 65.1
148 64.9 31.8 95.4

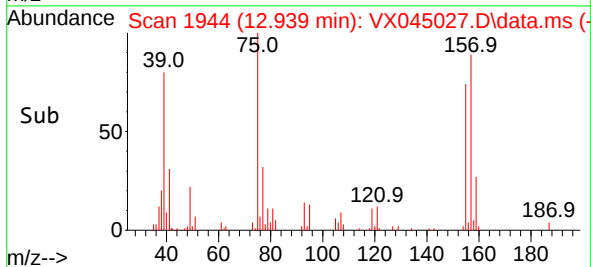
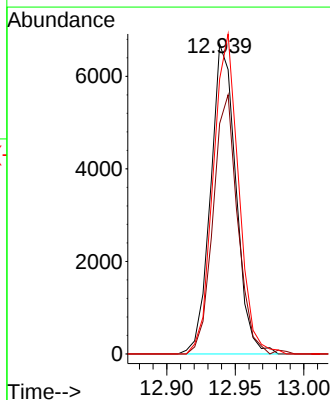
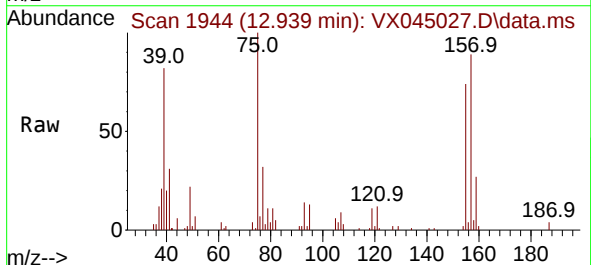
Manual Integrations
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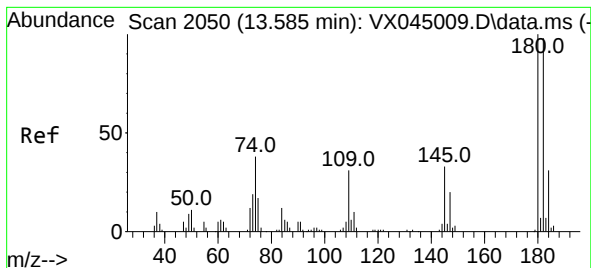
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.007 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

Tgt Ion: 75 Resp: 8585
Ion Ratio Lower Upper
75 100
155 81.0 66.2 99.4
157 103.7 81.4 122.2





#89

1,2,4-Trichlorobenzene

Concen: 18.952 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

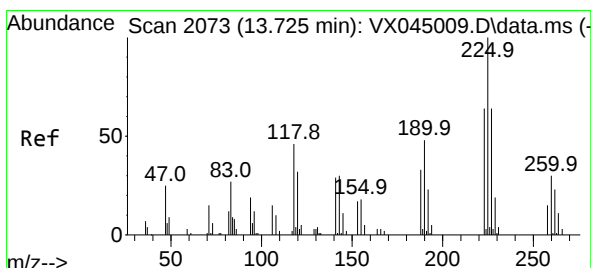
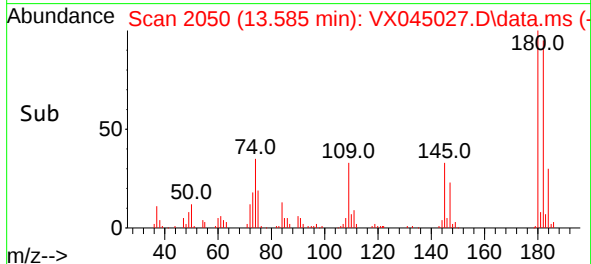
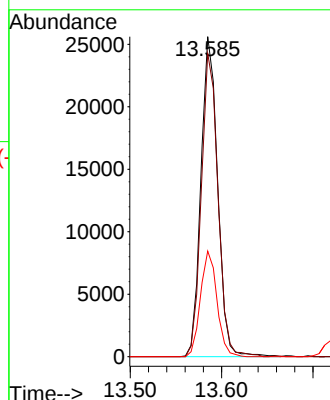
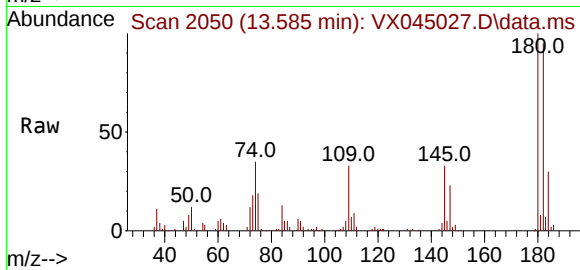
Tgt Ion:180	Resp:	3253
Ion Ratio	Lower	Upper
180	100	
182	94.2	77.7 116.5
145	32.6	25.8 38.6

Manual Integrations

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Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#90

Hexachlorobutadiene

Concen: 19.213 ug/l

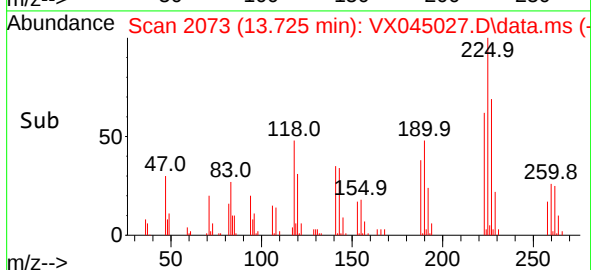
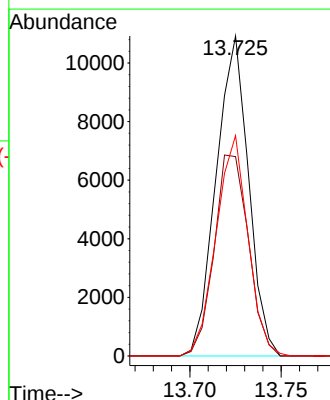
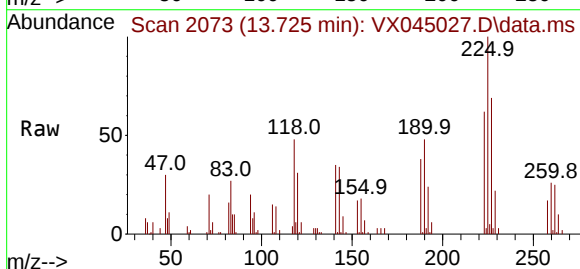
RT: 13.725 min Scan# 2073

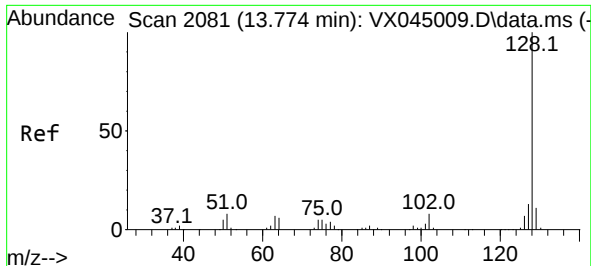
Delta R.T. -0.000 min

Lab File: VX045027.D

Acq: 24 Feb 2025 16:40

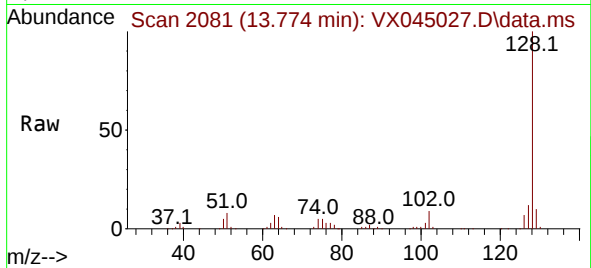
Tgt Ion:225	Resp:	13451
Ion Ratio	Lower	Upper
225	100	
223	66.6	0.0 123.4
227	67.9	0.0 127.4





#91
Naphthalene
Concen: 19.629 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40

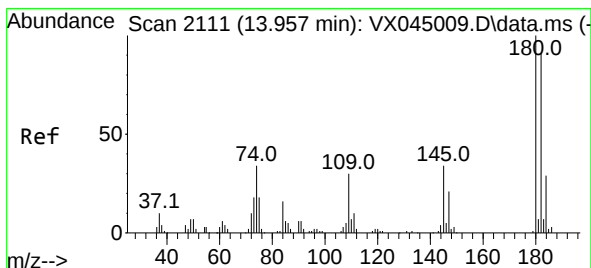
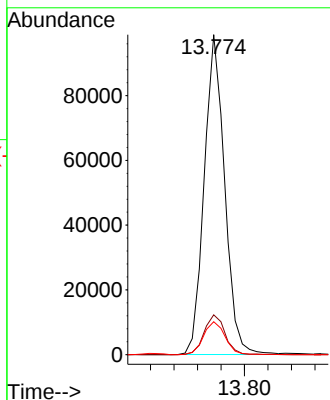
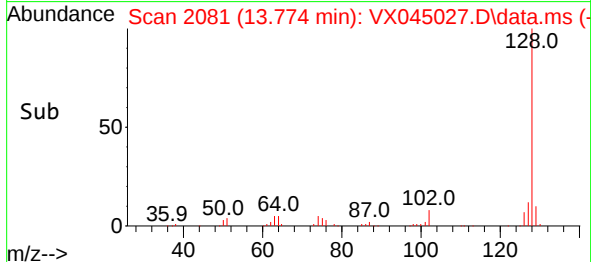
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC



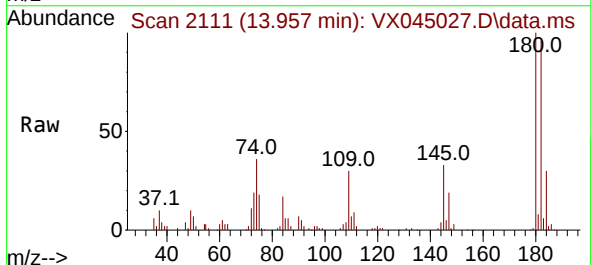
Tgt Ion:128 Resp: 11882
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.0 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 18.644 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045027.D
Acq: 24 Feb 2025 16:40



Tgt Ion:180 Resp: 32951
Ion Ratio Lower Upper
180 100
182 95.7 0.0 186.6
145 33.3 0.0 68.4

