

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022425\
 Data File : VX045022.D
 Acq On : 24 Feb 2025 10:16
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 00:25:11 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	4.891	128	19388	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	105099	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	96021	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	54623	29.007	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.700%		
60) 4-Bromofluorobenzene	11.079	95	54124	30.157	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.533%		
63) Toluene-d8	8.641	98	158594	29.855	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.533%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	34015	20.812	ug/l	93
3) Chloromethane	1.300	50	39888	20.376	ug/l	99
4) Vinyl Chloride	1.374	62	37577	19.893	ug/l	100
5) Bromomethane	1.593	94	13546	20.602	ug/l	95
6) Chloroethane	1.666	64	21548	21.062	ug/l	94
7) Trichlorofluoromethane	1.874	101	51029	20.100	ug/l	99
8) Diethyl Ether	2.130	74	19175	19.962	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	30670	20.340	ug/l	100
10) 1,1-Dichloroethene	2.312	96	29008	19.696	ug/l	90
11) Methyl Iodide	2.447	142	25005	15.000	ug/l	95
12) Methyl Acetate	2.697	43	38201	22.336	ug/l	97
13) Acrolein	2.233	56	44656	130.264	ug/l	99
14) Acrylonitrile	3.056	53	86920	104.047	ug/l	98
15) Acetone	2.380	58	26921	117.501	ug/l	92
16) Carbon Disulfide	2.501	76	82767	19.812	ug/l	97
17) Allyl chloride	2.654	41	54421	19.756	ug/l	97
18) Methylene Chloride	2.782	84	32485	19.610	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	29907	20.071	ug/l	93
20) Diisopropyl ether	3.751	45	106269	20.075	ug/l	98
21) 1,1-Dichloroethane	3.599	63	58109	19.738	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	35861	20.084	ug/l	100
23) tert-Butyl Alcohol	2.971	59	30896	105.939	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	96808	20.139	ug/l	100
25) Chloroform	5.080	83	57897	20.360	ug/l	95
26) Cyclohexane	5.452	56	53523	19.696	ug/l #	96
29) 1,1-Dichloropropene	5.678	75	39328	20.342	ug/l	99
30) 2-Butanone	4.550	43	124403	111.405	ug/l	100
31) 2,2-Dichloropropane	4.458	77	45256	20.702	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	47928	20.460	ug/l	99
33) Carbon Tetrachloride	5.666	117	41122	20.801	ug/l	94
34) Benzene	6.031	78	125107	20.635	ug/l	97
35) Methacrylonitrile	4.910	41	24947	20.877	ug/l	93
36) 1,2-Dichloroethane	6.080	62	42815	20.627	ug/l #	84
37) Trichloroethene	7.117	130	29099	20.516	ug/l	94
38) Methylcyclohexane	7.373	83	53249	20.513	ug/l	97
39) 1,2-Dichloropropane	7.421	63	30261	20.076	ug/l	99
40) Dibromomethane	7.574	93	22092	20.425	ug/l	99
41) Bromodichloromethane	7.818	83	43480	20.225	ug/l	99
42) Vinyl Acetate	3.715	43	445779	102.873	ug/l	99

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Manual Integrations

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Reviewed By : John Carlone 02/25/2025

Supervised By : Mahesh Dadoda 02/25/2025

Quant Time: Feb 25 00:25:11 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)
43) Ethyl Acetate	4.702	43	45942	21.938	ug/l	98
44) Isopropyl Acetate	6.330	43	73046	21.193	ug/l	98
45) 1,4-Dioxane	7.659	88	15737	439.218	ug/l	99
46) Methyl methacrylate	7.690	41	35622	21.077	ug/l	99
47) n-amyl Acetate	10.841	43	61797	20.662	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	40791	19.686	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	48564	20.704	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	29237	20.723	ug/l	96
51) Ethyl methacrylate	9.116	69	43618	19.657	ug/l	98
52) 1,3-Dichloropropane	9.305	76	51204	20.713	ug/l	99
53) Dibromochloromethane	9.518	129	32413	20.772	ug/l	97
54) 1,2-Dibromoethane	9.604	107	29736	20.756	ug/l	99
55) 2-Chloroethyl vinyl ether	8.232	63	97617	85.669	ug/l	99
56) Bromoform	10.799	173	20955	21.431	ug/l	99
58) 4-Methyl-2-Pentanone	8.567	43	238438	109.161	ug/l	100
59) 2-Hexanone	9.427	43	174848	110.746	ug/l	99
61) Tetrachloroethene	9.269	164	25348	21.438	ug/l	97
62) Toluene	8.714	91	131575	20.685	ug/l	99
64) Chlorobenzene	10.073	112	81824	20.759	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	26851	20.645	ug/l	99
66) Ethyl Benzene	10.189	91	140795	20.218	ug/l	97
67) m/p-Xylenes	10.299	106	107652	41.491	ug/l	100
68) o-Xylene	10.640	106	52578	20.653	ug/l	100
69) Styrene	10.652	104	86568	20.360	ug/l	99
70) Isopropylbenzene	10.957	105	137275	20.896	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	46531	21.539	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	37575m	21.147	ug/l	
73) Bromobenzene	11.195	156	31551	20.862	ug/l	99
74) n-propylbenzene	11.299	91	162228	20.751	ug/l	99
75) 2-Chlorotoluene	11.360	91	97738	20.679	ug/l	99
76) 1,3,5-Trimethylbenzene	11.445	105	113802	20.998	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	11524	19.277	ug/l	90
78) 4-Chlorotoluene	11.451	91	109615	20.805	ug/l	100
79) tert-butylbenzene	11.713	119	115756	21.198	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	113697	20.943	ug/l	98
81) sec-Butylbenzene	11.890	105	143605	20.954	ug/l	100
82) p-Isopropyltoluene	12.006	119	116616	21.000	ug/l	99
83) 1,3-Dichlorobenzene	11.963	146	58417	20.760	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	57620	20.768	ug/l	99
85) n-Butylbenzene	12.329	91	104924	20.691	ug/l	99
86) Hexachloroethane	12.536	117	20463	20.895	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	58299	21.116	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	8805	21.051	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	35049	20.945	ug/l	97
90) Hexachlorobutadiene	13.725	225	14648	21.465	ug/l	98
91) Naphthalene	13.774	128	122941	20.836	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	35502	20.608	ug/l	99

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

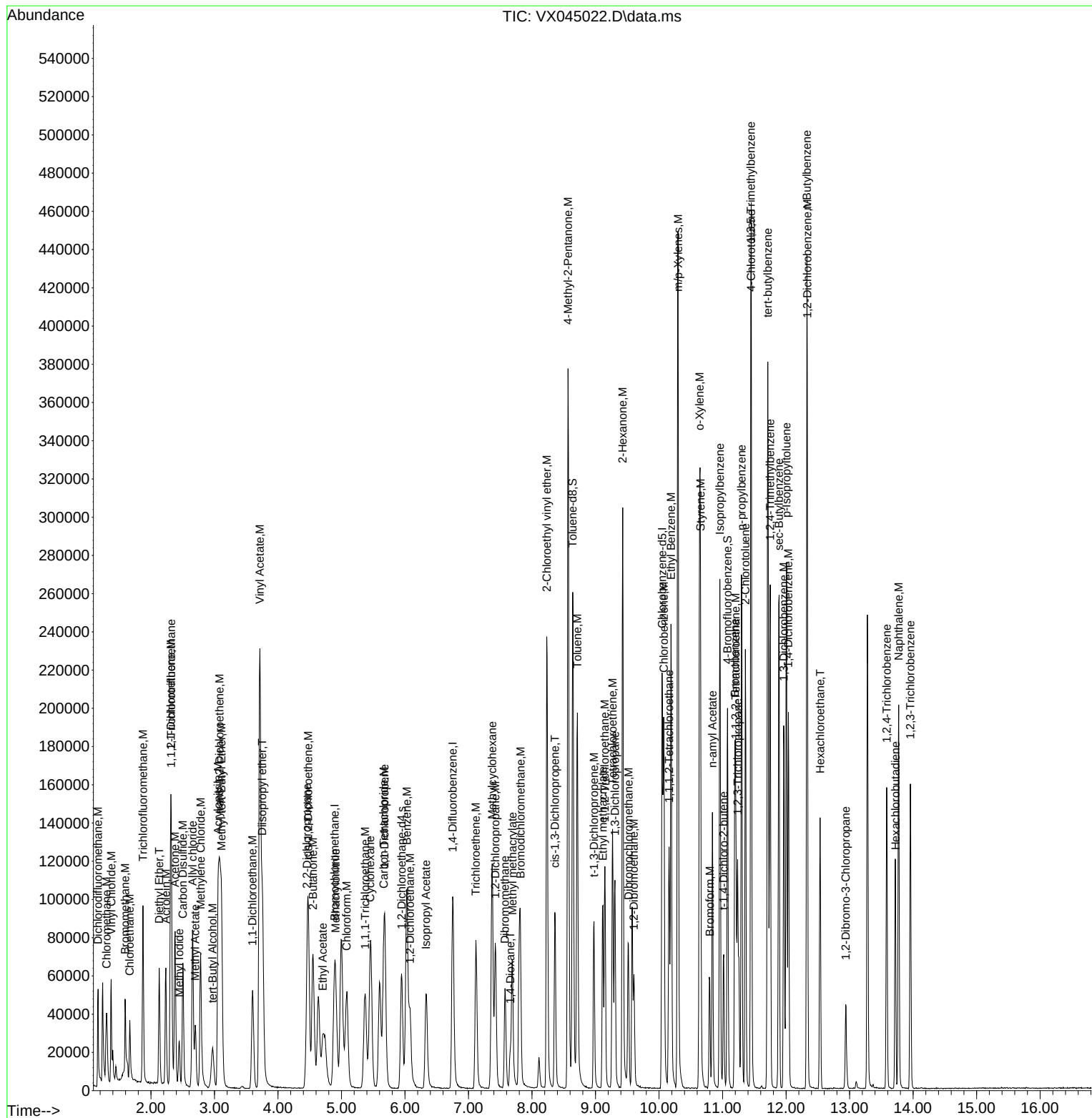
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022425\
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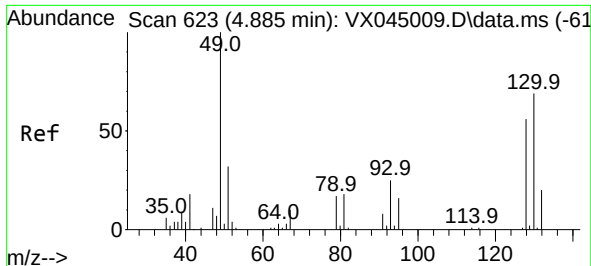
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Feb 25 00:25:11 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

Manual Integrations
APPROVED

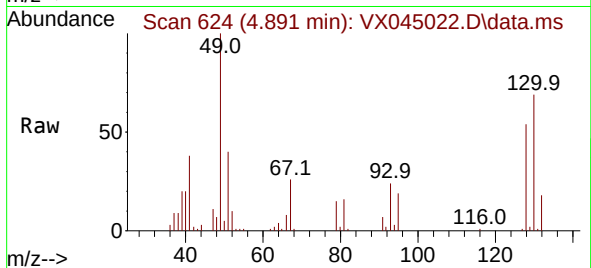
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

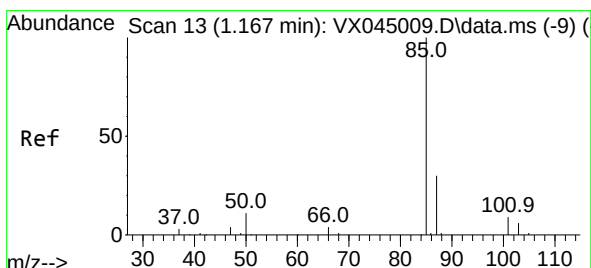
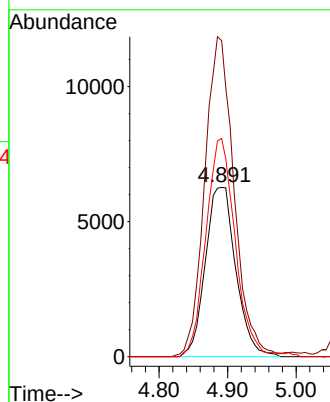
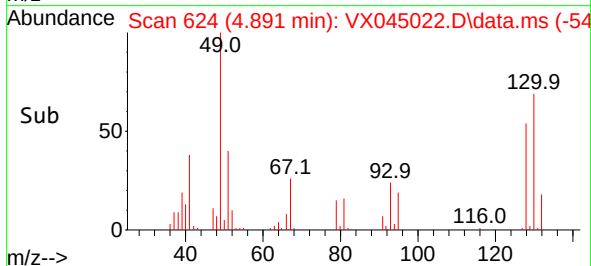
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 1938
Ion Ratio Lower Upper
128 100
49 181.6 0.0 449.7
130 123.1 0.0 312.7

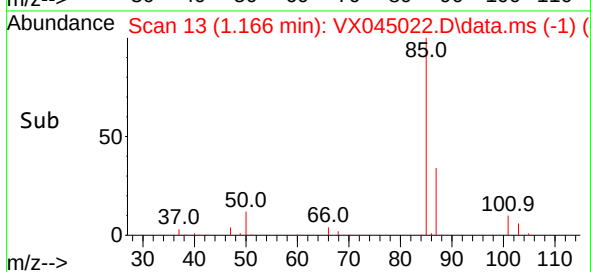
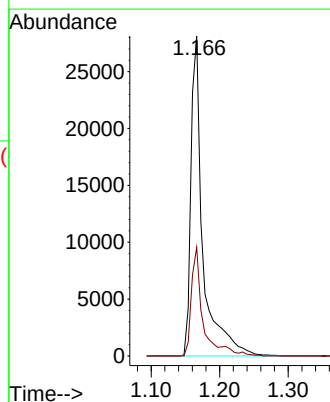
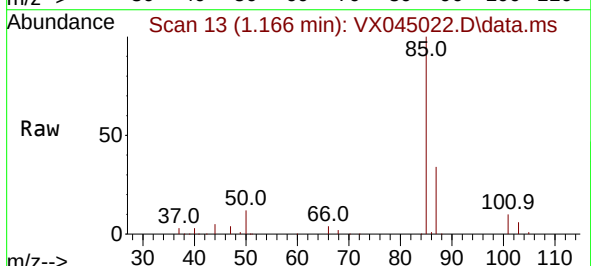
Manual Integrations
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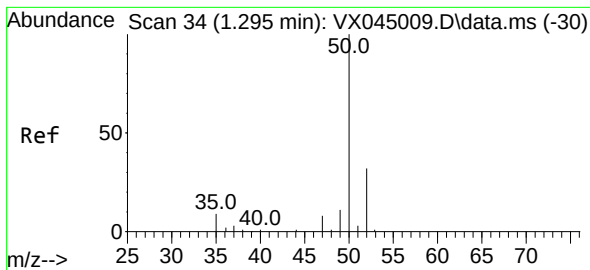
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#2
Dichlorodifluoromethane
Concen: 20.812 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 85 Resp: 34015
Ion Ratio Lower Upper
85 100
87 34.0 15.1 45.3





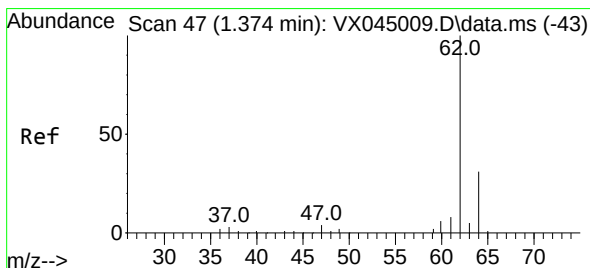
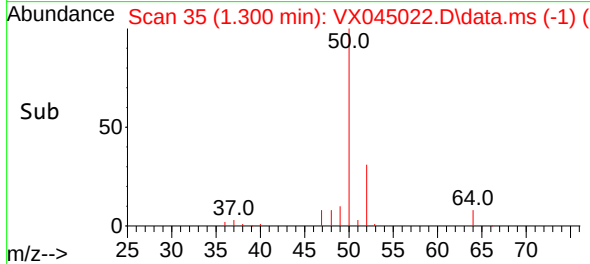
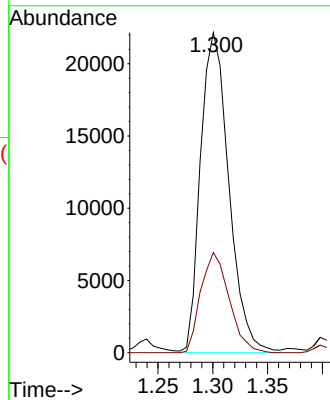
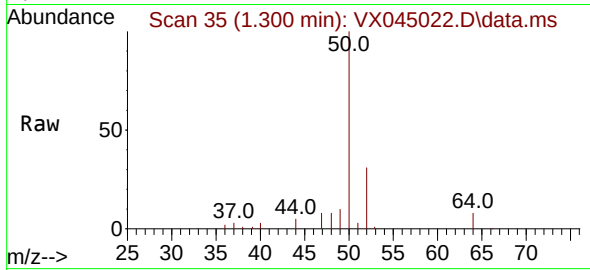
#3
Chloromethane
Concen: 20.376 ug/l
RT: 1.300 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 3988
Ion Ratio Lower Upper
50 100
52 31.5 25.7 38.5

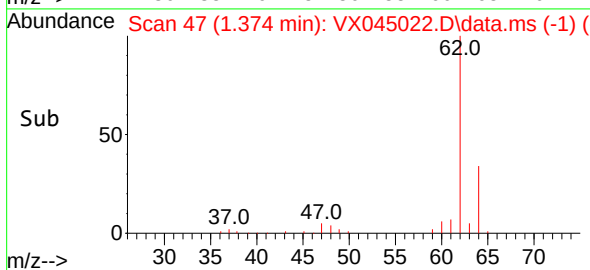
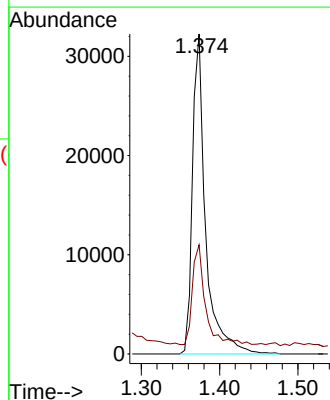
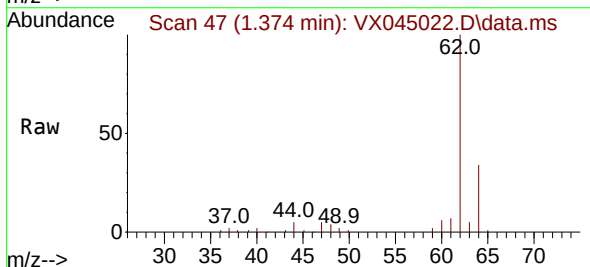
Manual Integrations
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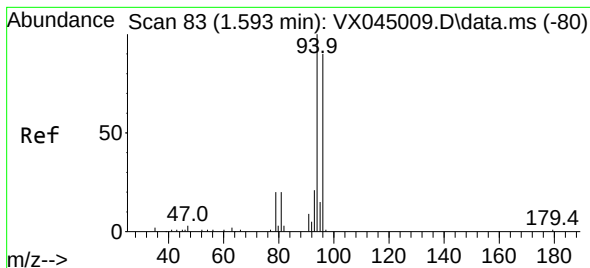
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#4
Vinyl Chloride
Concen: 19.893 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

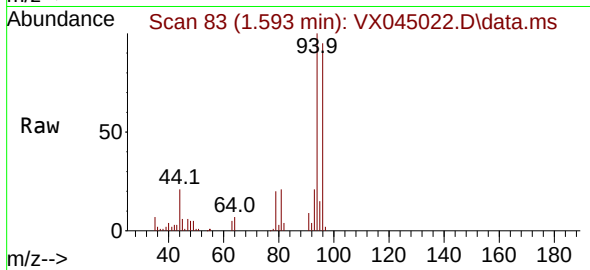
Tgt Ion: 62 Resp: 37577
Ion Ratio Lower Upper
62 100
64 31.5 25.1 37.7





#5
Bromomethane
Concen: 20.602 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

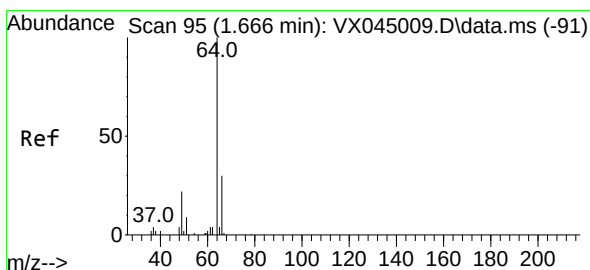
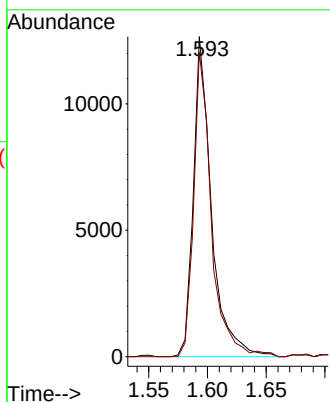
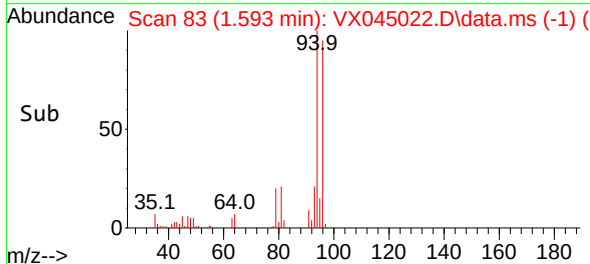
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 13540
Ion Ratio Lower Upper
94 100
96 95.2 72.2 108.4

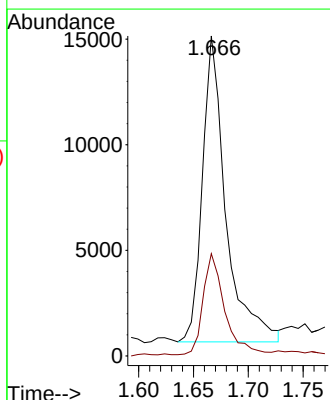
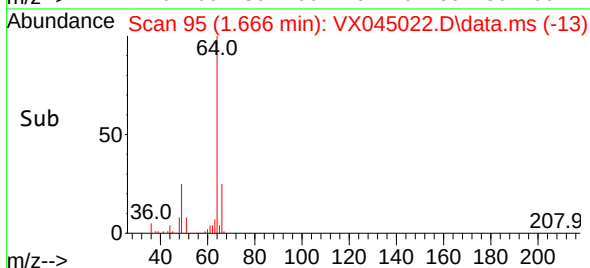
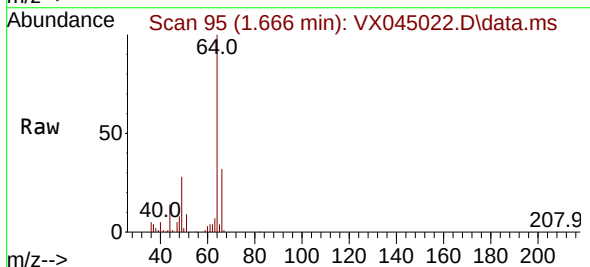
Manual Integrations
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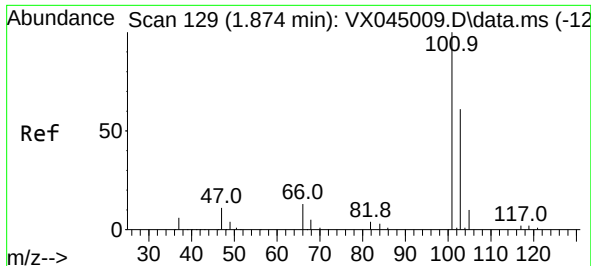
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#6
Chloroethane
Concen: 21.062 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

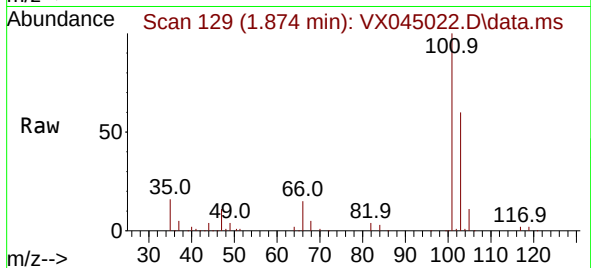
Tgt Ion: 64 Resp: 21548
Ion Ratio Lower Upper
64 100
66 33.0 23.7 35.5





#7
 Trichlorofluoromethane
 Concen: 20.100 ug/l
 RT: 1.874 min Scan# 129
 Delta R.T. -0.000 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16

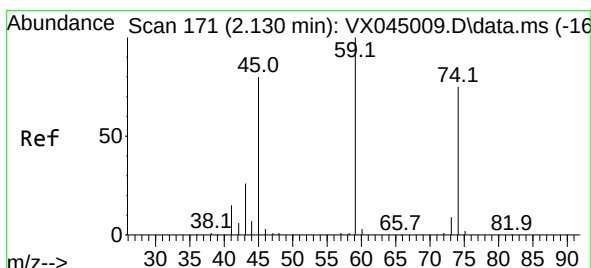
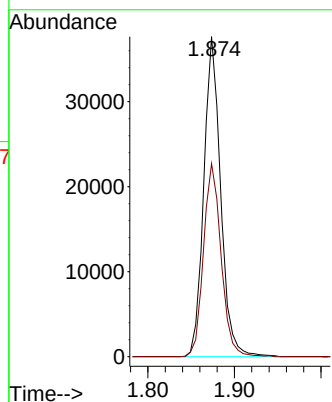
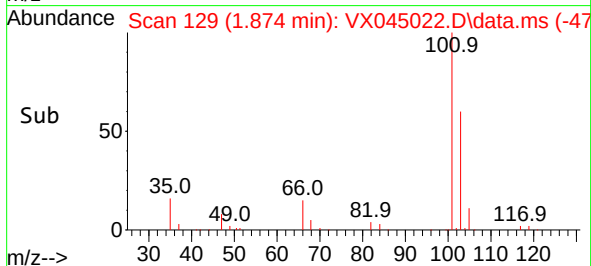
Instrument :
 MSVOA_X
 ClientSampleId :
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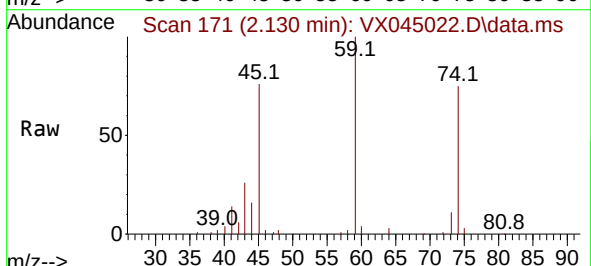
Tgt Ion:101 Resp: 51029
 Ion Ratio Lower Upper
 101 100
 103 60.4 48.8 73.2

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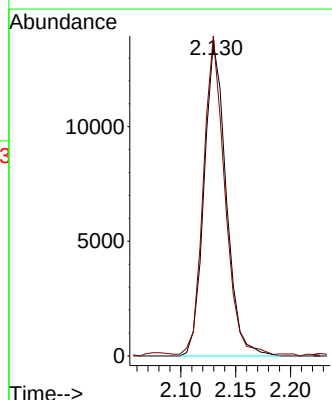
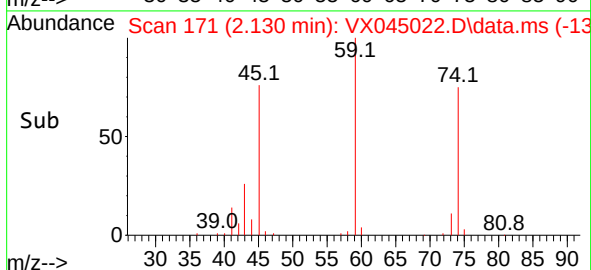
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025

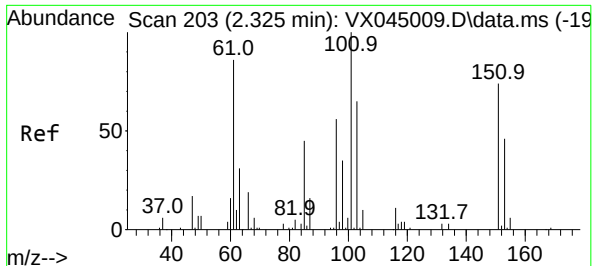


#8
 Diethyl Ether
 Concen: 19.962 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16



Tgt Ion: 74 Resp: 19175
 Ion Ratio Lower Upper
 74 100
 45 99.3 20.8 186.8





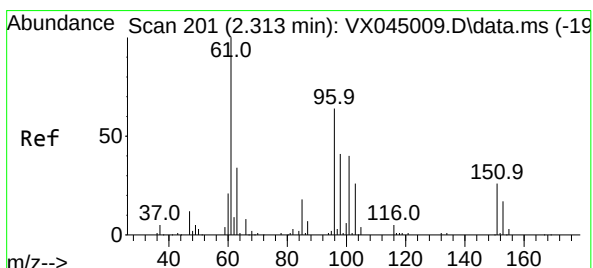
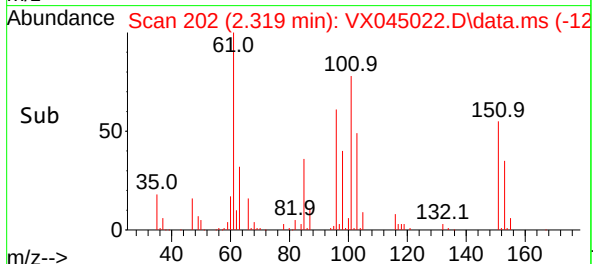
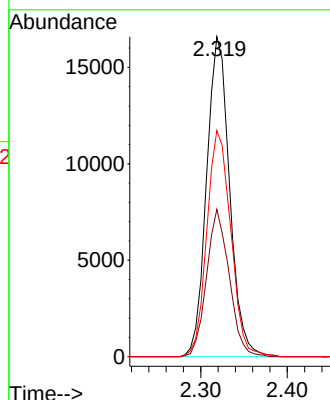
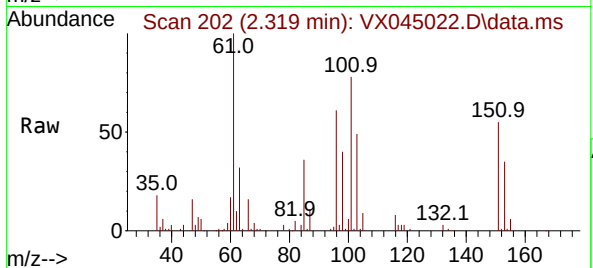
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.340 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

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Tgt Ion:101 Resp: 30670
Ion Ratio Lower Upper
101 100
85 45.2 0.0 90.6
151 73.6 0.0 147.6

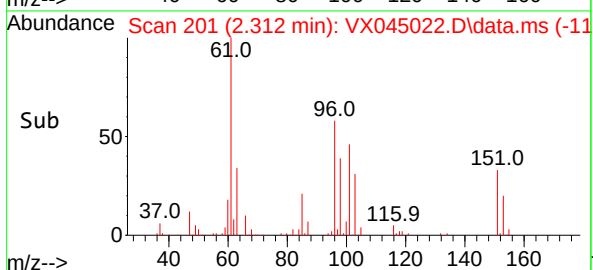
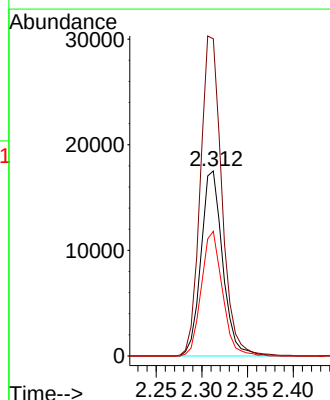
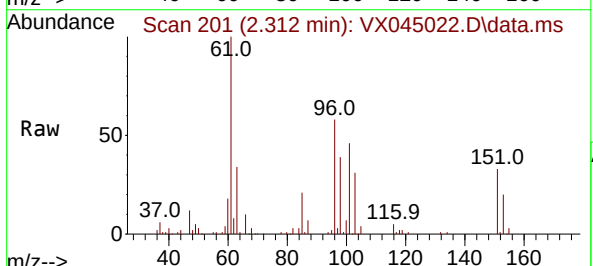
Manual Integrations
APPROVED

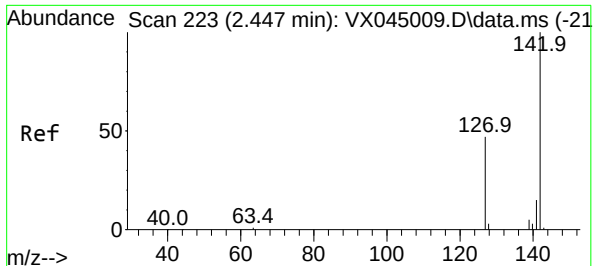
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#10
1,1-Dichloroethene
Concen: 19.696 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 96 Resp: 29008
Ion Ratio Lower Upper
96 100
61 171.1 124.2 186.2
98 67.4 51.1 76.7





#11

Methyl Iodide

Concen: 15.000 ug/l

RT: 2.447 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:142 Resp: 2500

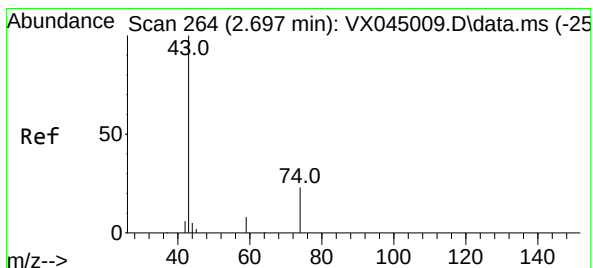
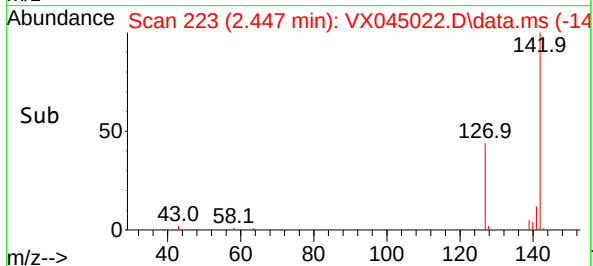
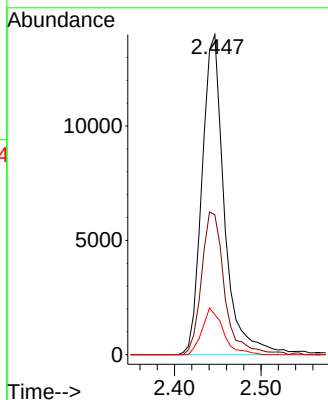
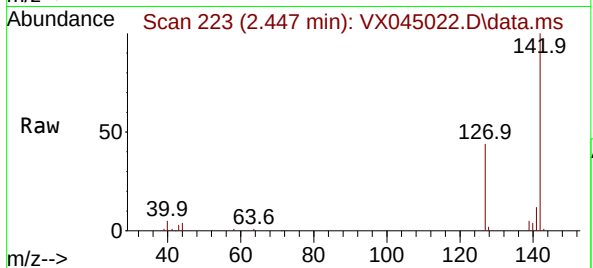
Ion	Ratio	Lower	Upper
142	100		
127	43.6	23.3	69.9
141	12.6	7.5	22.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#12

Methyl Acetate

Concen: 22.336 ug/l

RT: 2.697 min Scan# 264

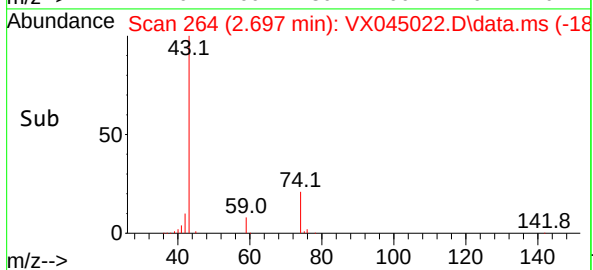
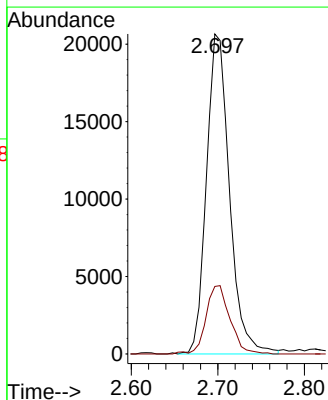
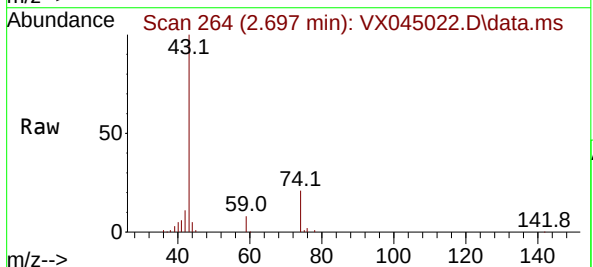
Delta R.T. -0.000 min

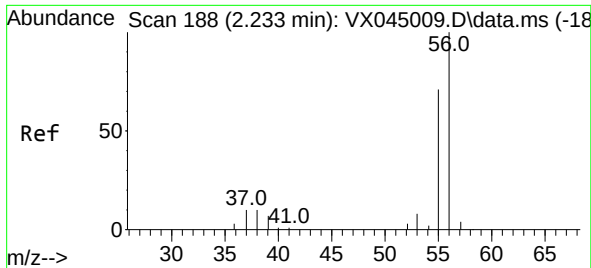
Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Tgt Ion: 43 Resp: 38201

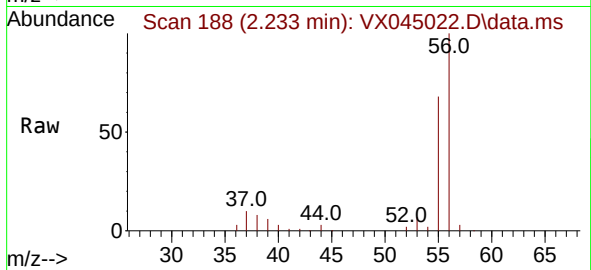
Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.9	26.9





#13
Acrolein
Concen: 130.264 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

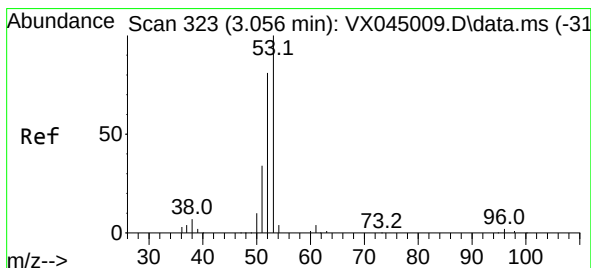
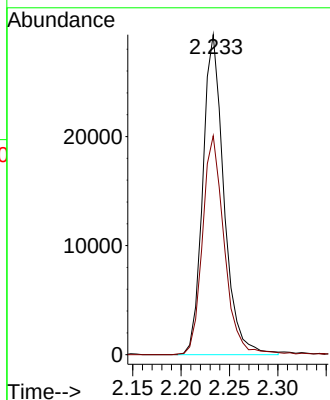
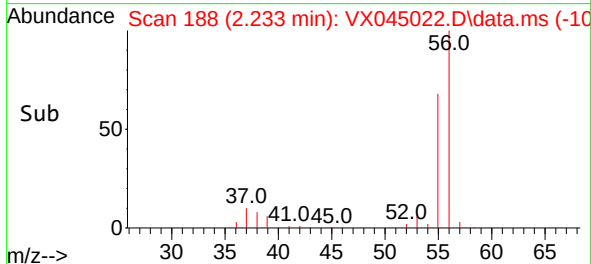
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 44650
Ion Ratio Lower Upper
56 100
55 70.3 55.4 83.2

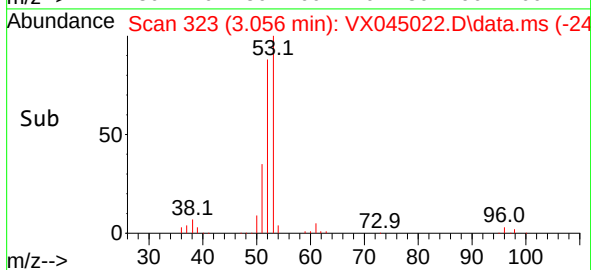
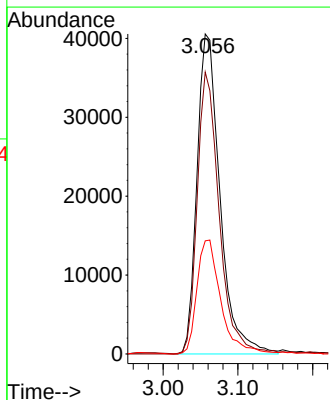
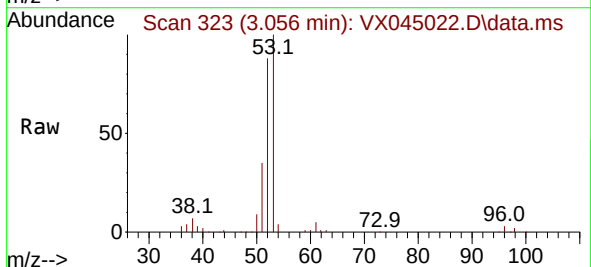
Manual Integrations
APPROVED

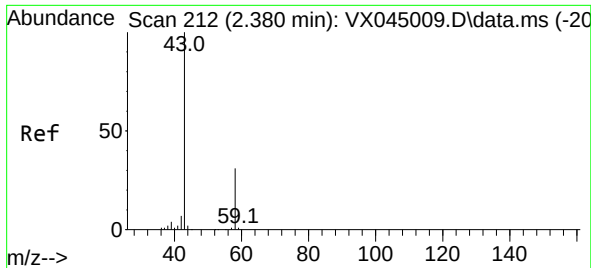
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#14
Acrylonitrile
Concen: 104.047 ug/l
RT: 3.056 min Scan# 323
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

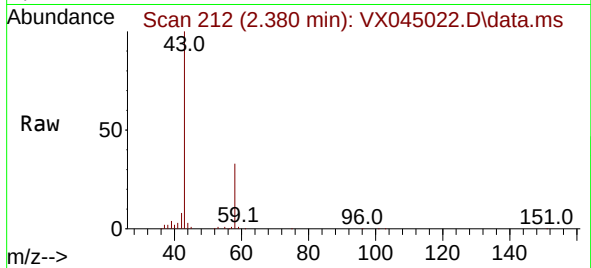
Tgt Ion: 53 Resp: 86920
Ion Ratio Lower Upper
53 100
52 83.9 40.9 122.8
51 36.9 18.0 54.0





#15
Acetone
Concen: 117.501 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

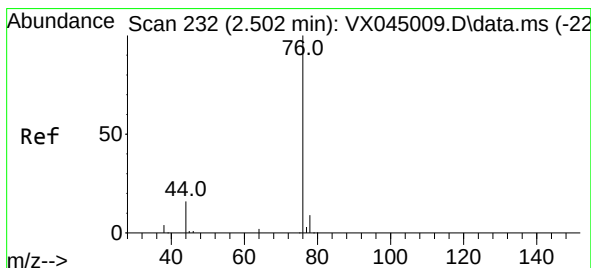
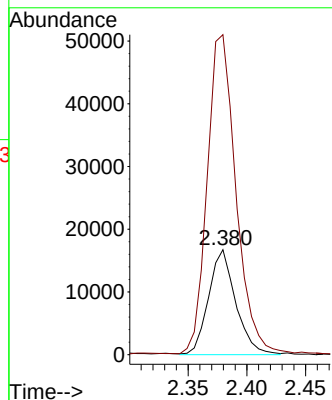
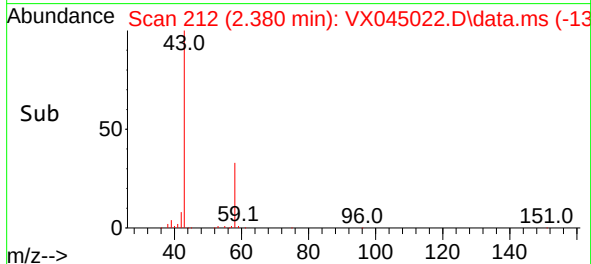
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



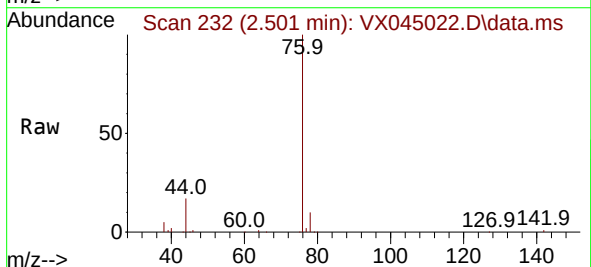
Tgt Ion: 58 Resp: 2692
Ion Ratio Lower Upper
58 100
43 306.3 258.6 388.0

Manual Integrations
APPROVED

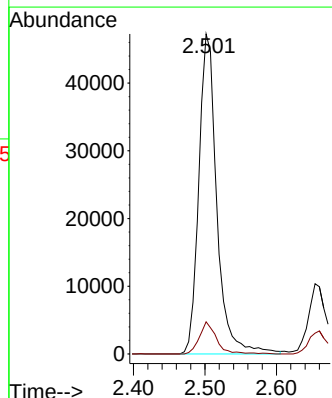
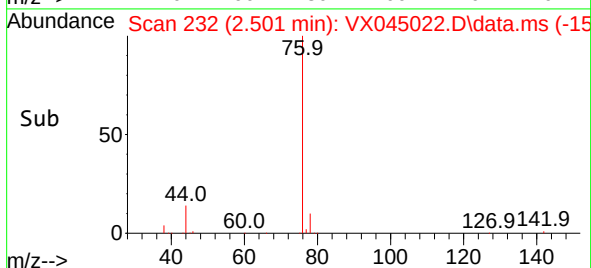
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

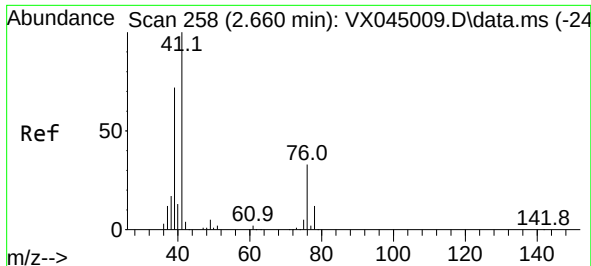


#16
Carbon Disulfide
Concen: 19.812 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16



Tgt Ion: 76 Resp: 82767
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9





#17

Allyl chloride

Concen: 19.756 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

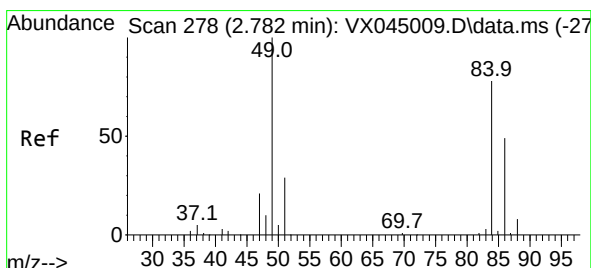
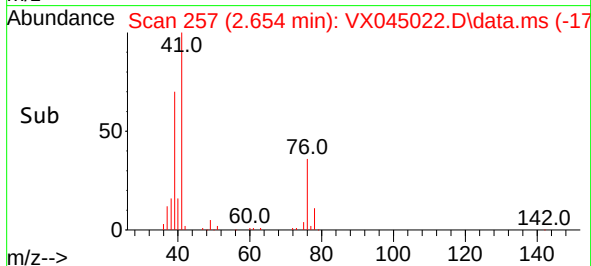
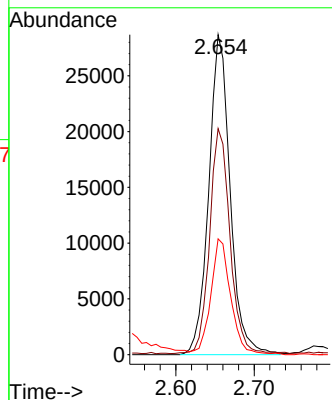
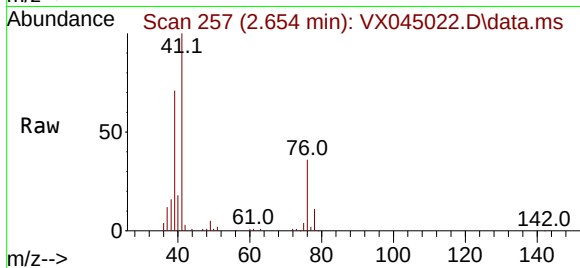
Tgt Ion: 41	Resp: 5442
Ion Ratio	Lower Upper
41 100	
39 70.0	36.2 108.6
76 35.9	17.2 51.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#18

Methylene Chloride

Concen: 19.610 ug/l

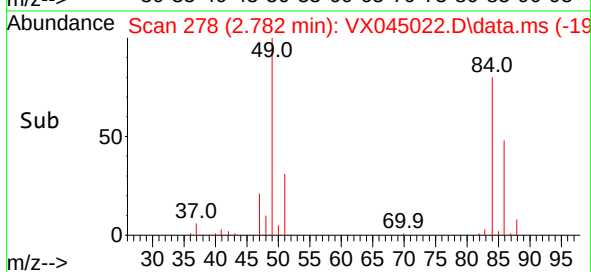
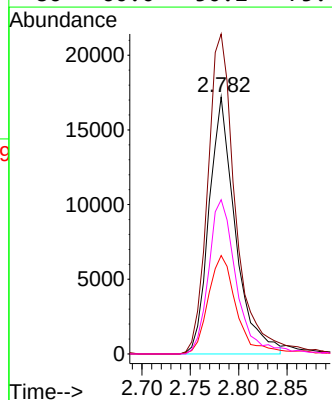
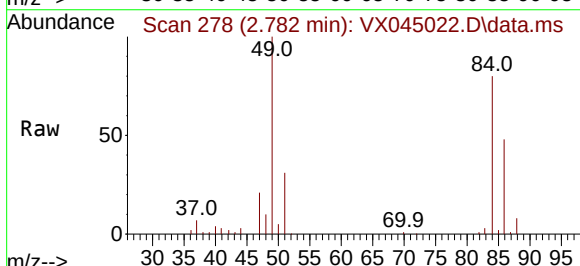
RT: 2.782 min Scan# 278

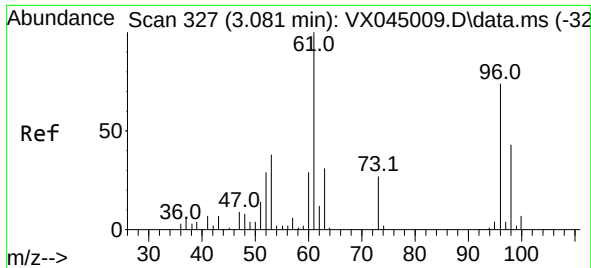
Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

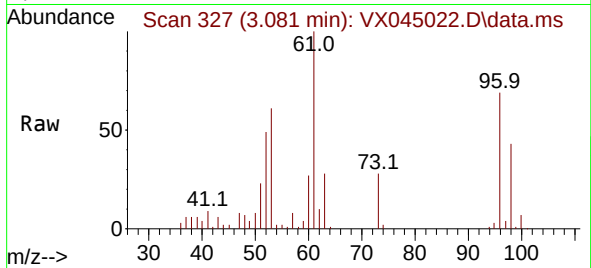
Tgt Ion: 84	Resp: 32485
Ion Ratio	Lower Upper
84 100	
49 124.5	102.8 154.2
51 38.3	30.1 45.1
86 60.0	50.2 75.4





#19
trans-1,2-Dichloroethene
Concen: 20.071 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

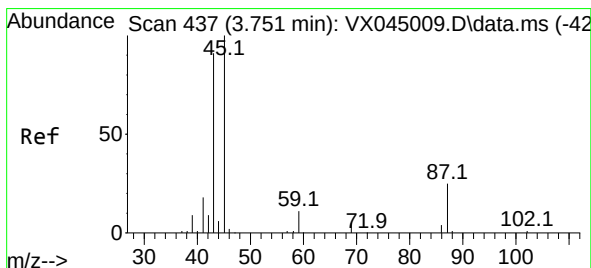
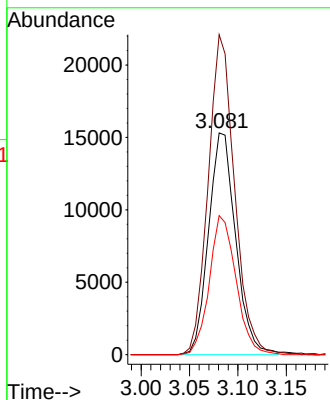
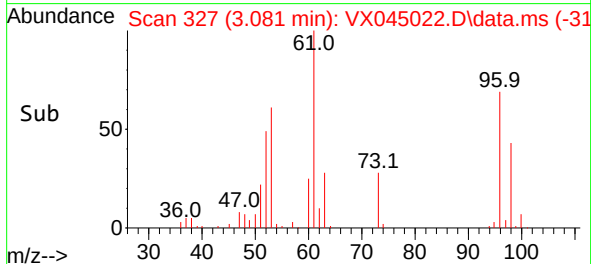
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 2990
Ion Ratio Lower Upper
96 100
61 144.3 108.6 163.0
98 62.7 46.5 69.7

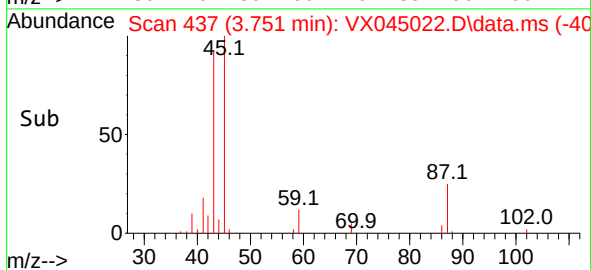
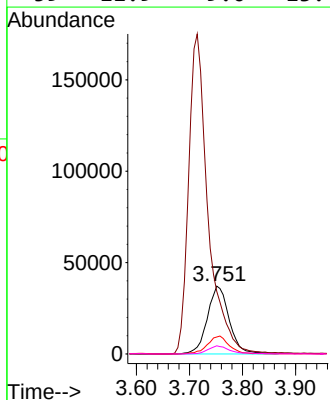
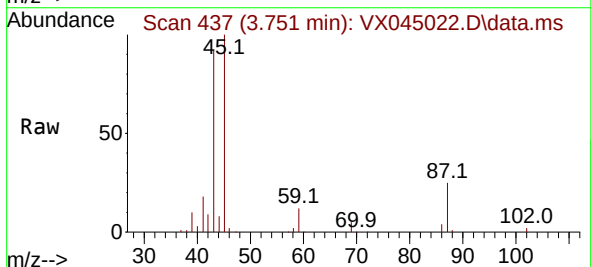
Manual Integrations
APPROVED

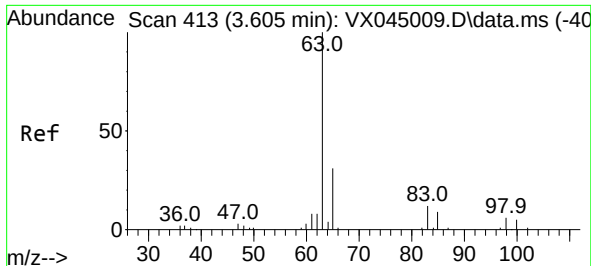
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#20
Diisopropyl ether
Concen: 20.075 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 45 Resp: 106269
Ion Ratio Lower Upper
45 100
43 90.5 74.4 111.6
87 25.1 19.8 29.8
59 11.9 9.0 13.4





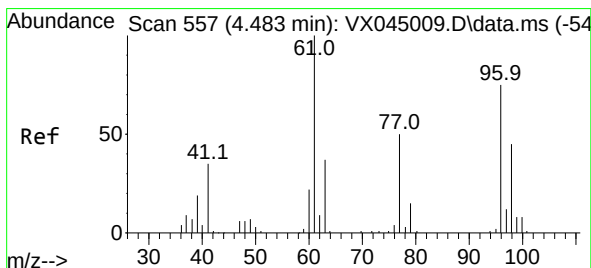
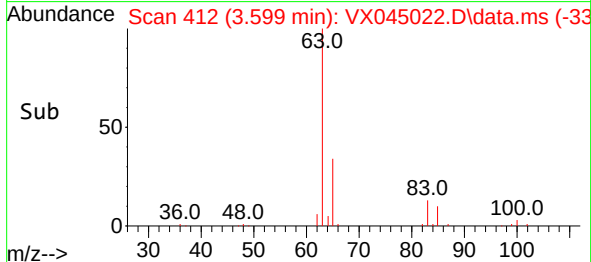
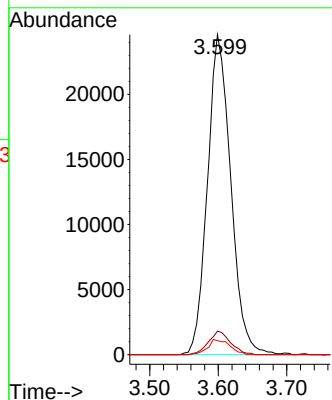
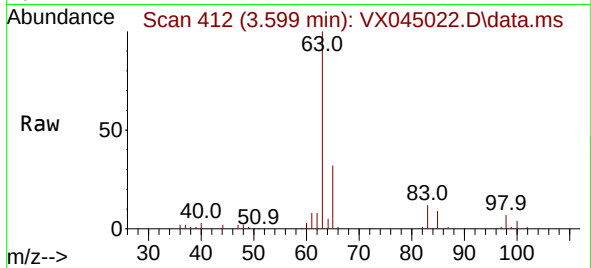
#21
1,1-Dichloroethane
Concen: 19.738 ug/l
RT: 3.599 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 58109
Ion Ratio Lower Upper
63 100
98 7.4 3.3 9.8
100 4.4 2.4 7.1

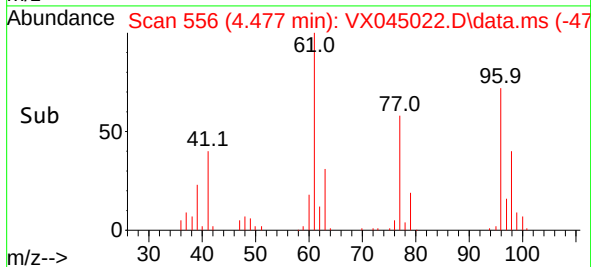
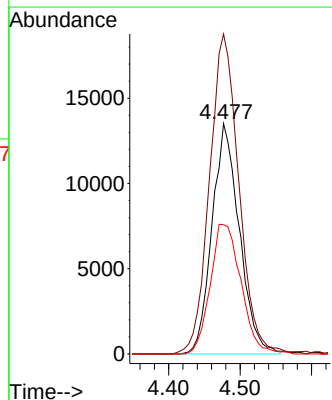
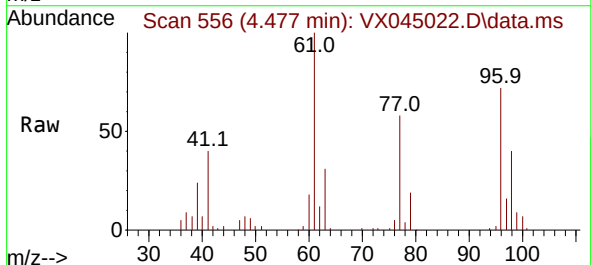
Manual Integrations
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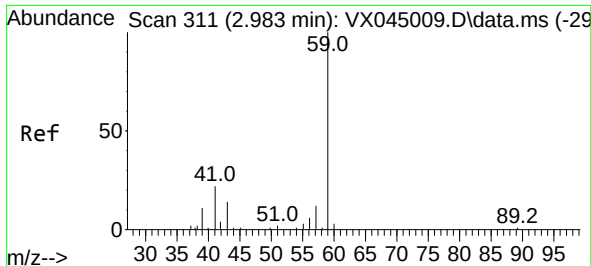
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#22
cis-1,2-Dichloroethene
Concen: 20.084 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 96 Resp: 35861
Ion Ratio Lower Upper
96 100
61 148.9 118.9 178.3
98 63.3 50.7 76.1





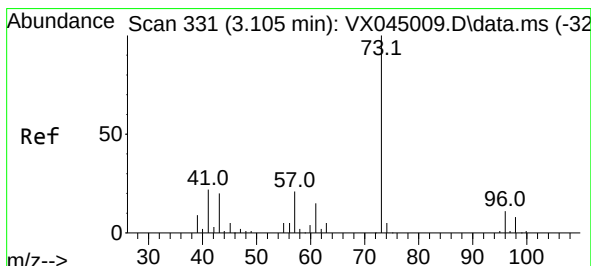
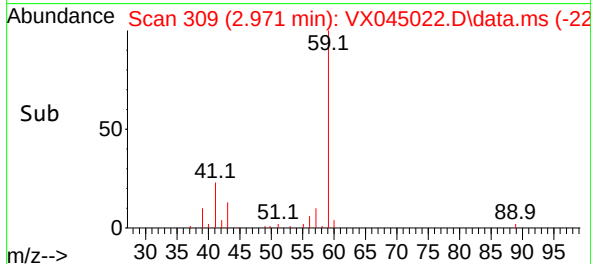
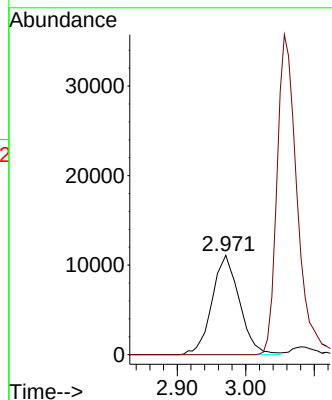
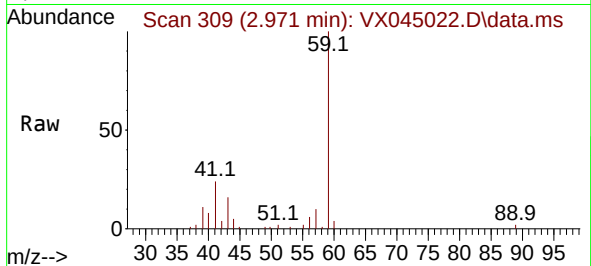
#23
tert-Butyl Alcohol
Concen: 105.939 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 30890
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

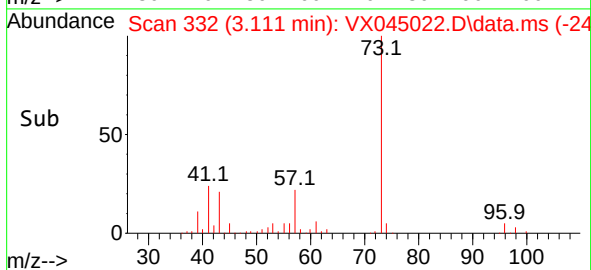
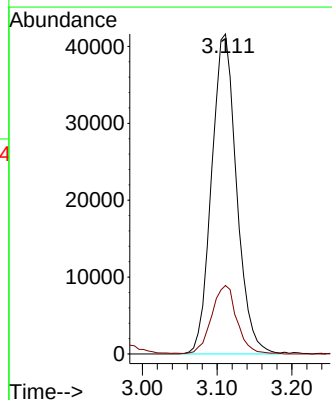
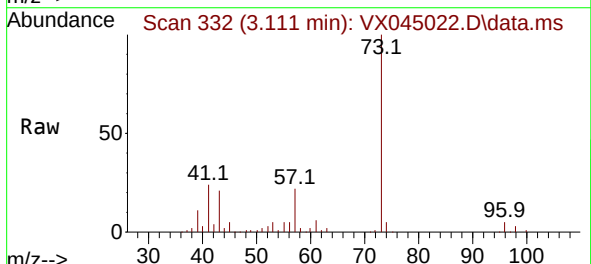
Manual Integrations
APPROVED

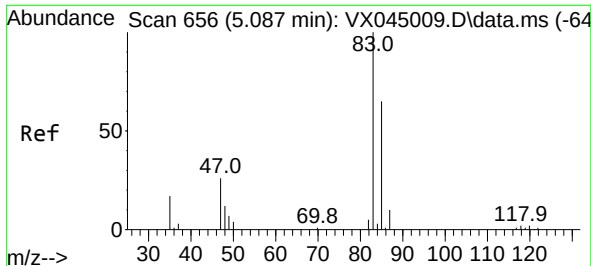
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#24
Methyl tert-Butyl Ether
Concen: 20.139 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 73 Resp: 96808
Ion Ratio Lower Upper
73 100
43 21.6 17.4 26.0





#25

Chloroform

Concen: 20.360 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 5789

Ion Ratio Lower Upper

83 100

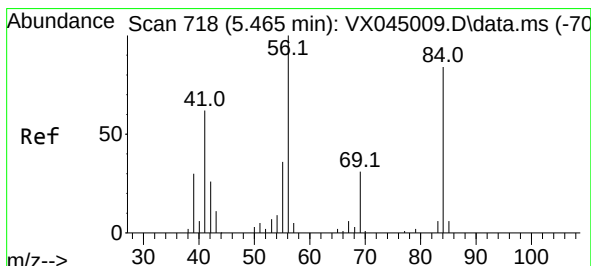
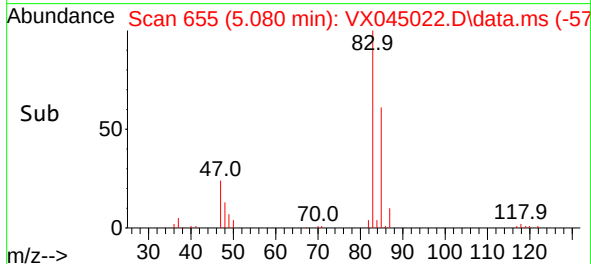
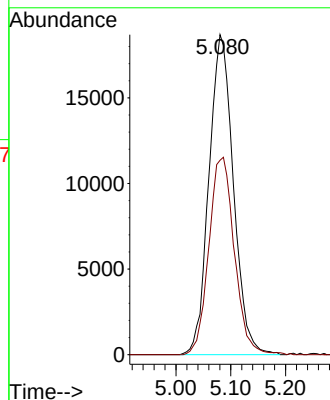
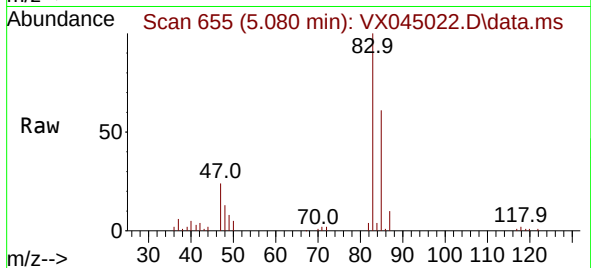
85 60.8 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#26

Cyclohexane

Concen: 19.696 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.012 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

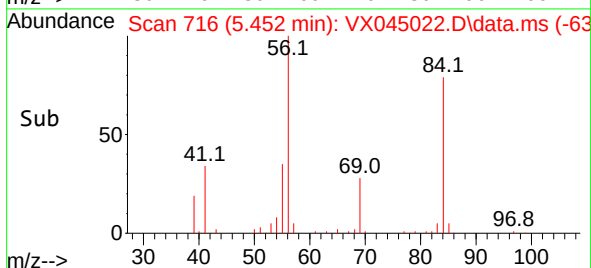
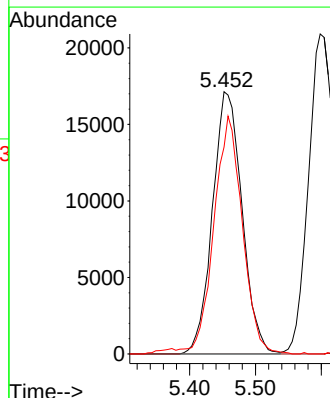
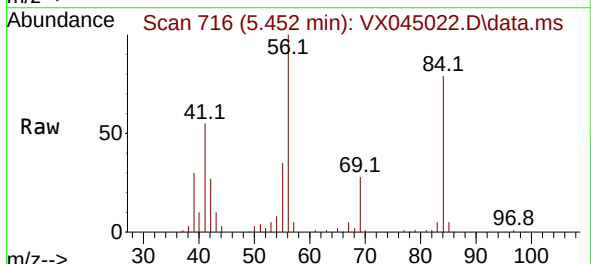
Tgt Ion: 56 Resp: 53523

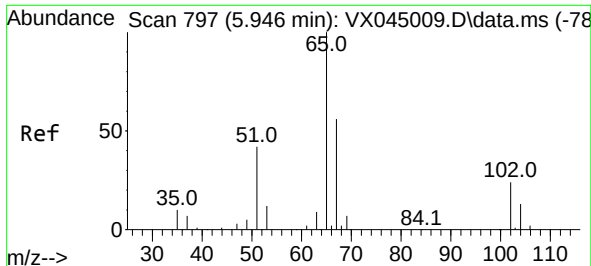
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

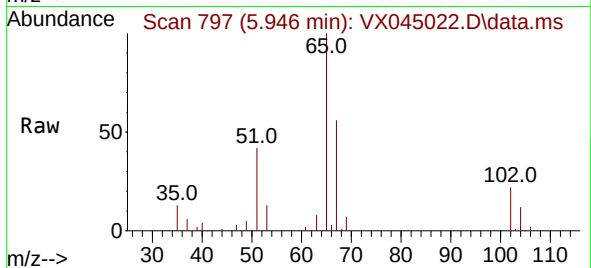
84 87.4 67.1 100.7





#27
1,2-Dichloroethane-d4
Concen: 29.007 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

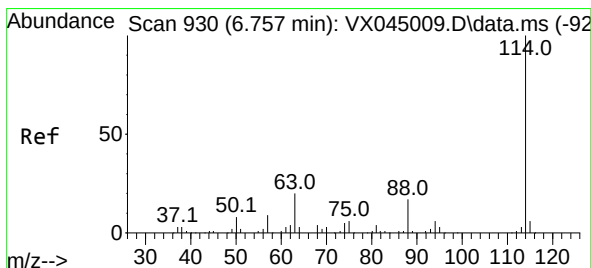
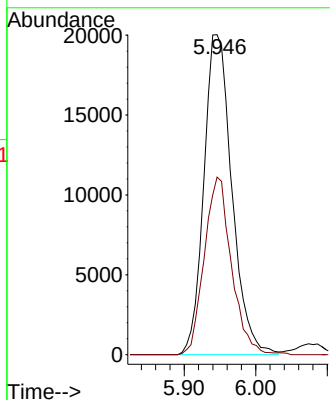
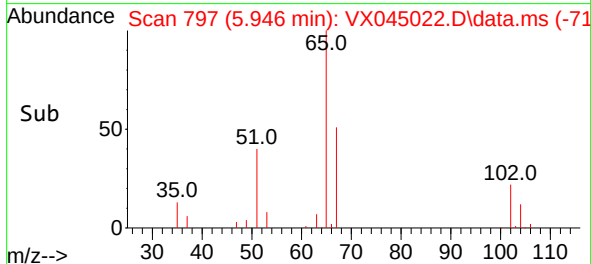
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 65 Resp: 5462
Ion Ratio Lower Upper
65 100
67 53.5 42.6 64.0

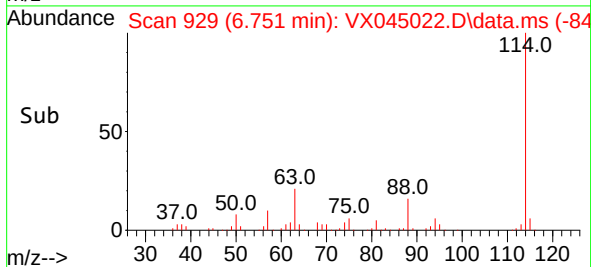
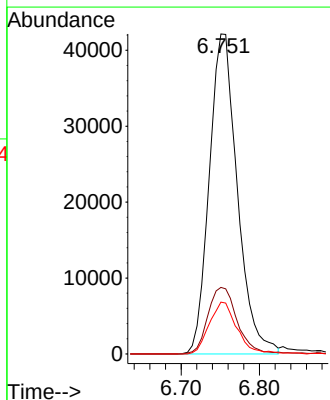
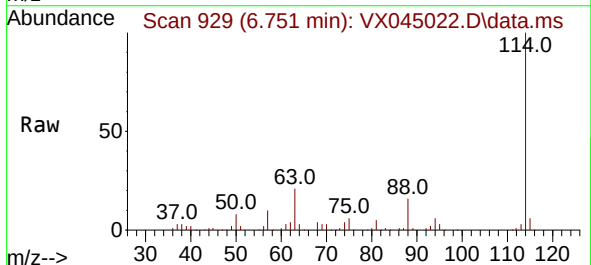
Manual Integrations
APPROVED

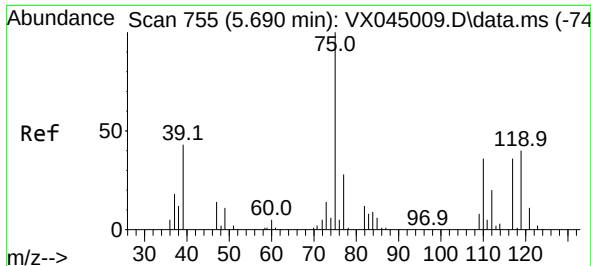
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

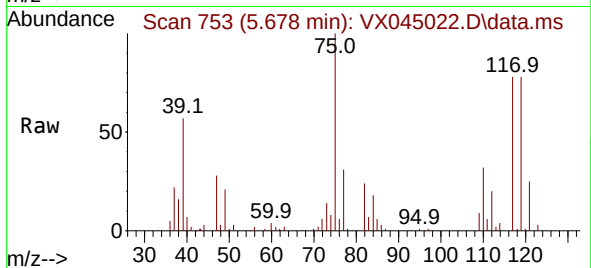
Tgt Ion:114 Resp: 105099
Ion Ratio Lower Upper
114 100
63 21.4 16.8 25.2
88 15.7 12.7 19.1





#29
1,1-Dichloropropene
Concen: 20.342 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

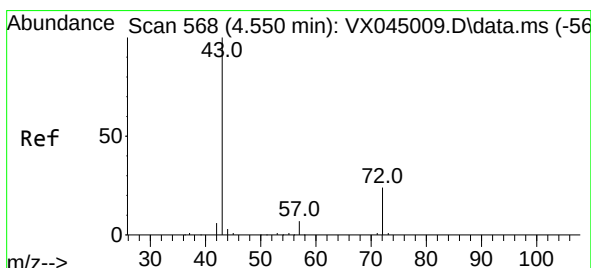
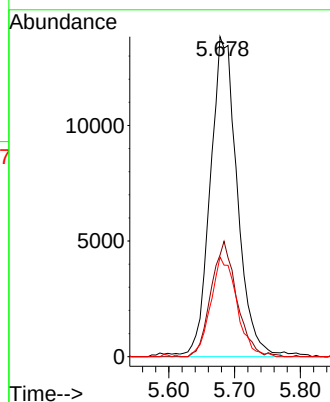
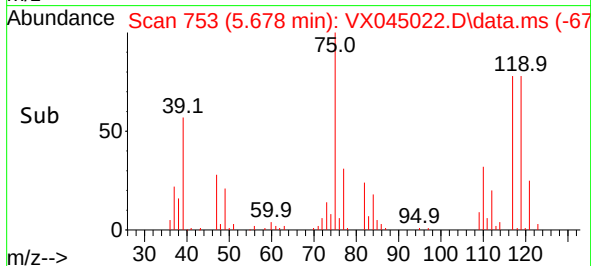
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 39328
Ion Ratio Lower Upper
75 100
110 34.2 0.0 69.2
77 30.2 0.0 61.0

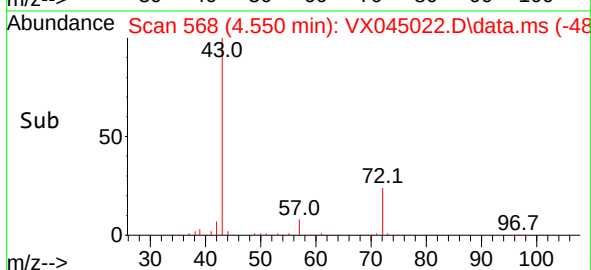
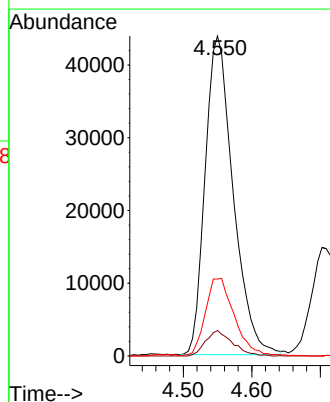
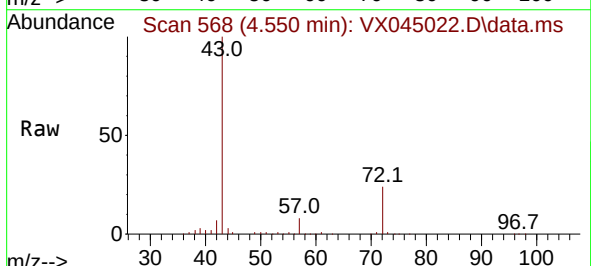
Manual Integrations
APPROVED

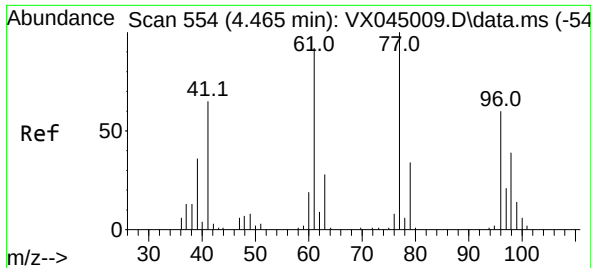
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#30
2-Butanone
Concen: 111.405 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 43 Resp: 124403
Ion Ratio Lower Upper
43 100
57 7.6 6.2 9.2
72 25.1 20.2 30.2





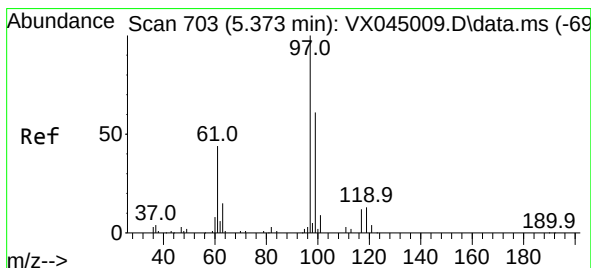
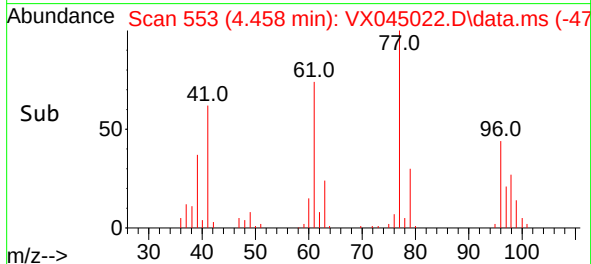
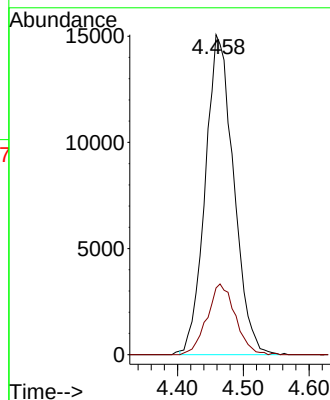
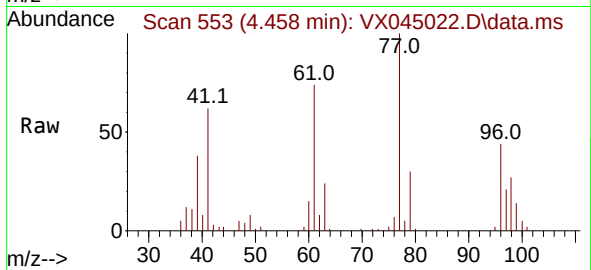
#31
2,2-Dichloropropane
Concen: 20.702 ug/l
RT: 4.458 min Scan# 511
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 45250
Ion Ratio Lower Upper
77 100
97 21.9 18.0 27.0

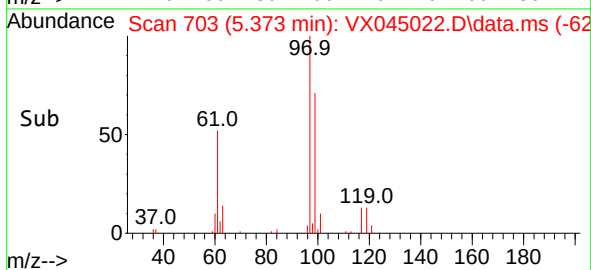
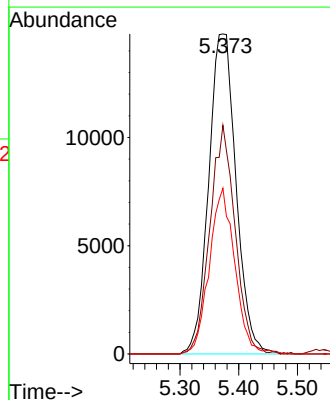
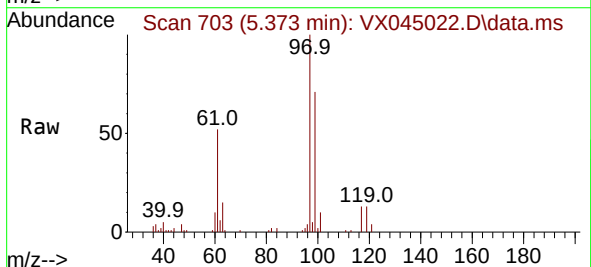
Manual Integrations
APPROVED

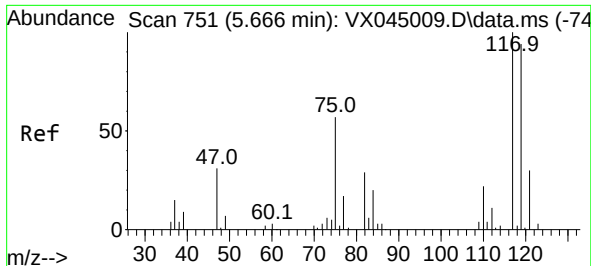
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#32
1,1,1-Trichloroethane
Concen: 20.460 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

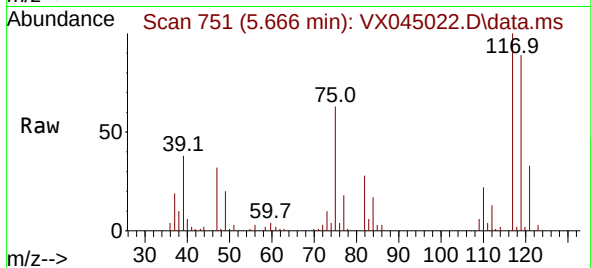
Tgt Ion: 97 Resp: 47928
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.2
61 47.8 38.5 57.7





#33
Carbon Tetrachloride
Concen: 20.801 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

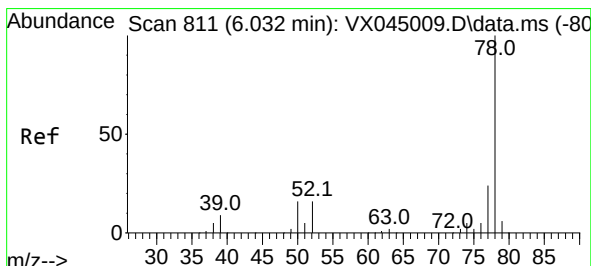
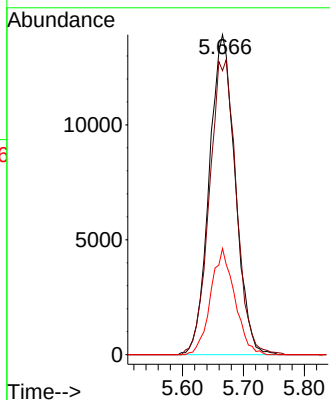
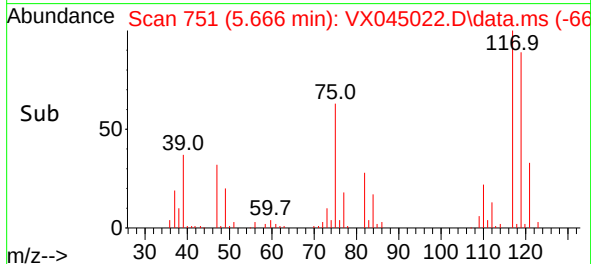
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



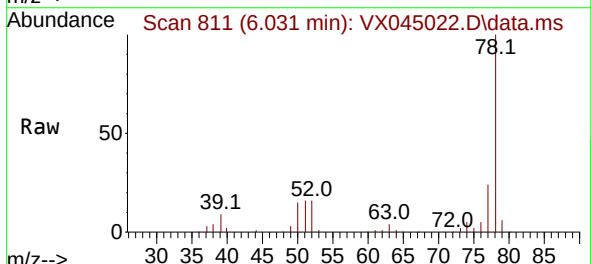
Tgt Ion:117 Resp: 4112
Ion Ratio Lower Upper
117 100
119 88.8 75.1 112.7
121 33.2 23.9 35.9

Manual Integrations
APPROVED

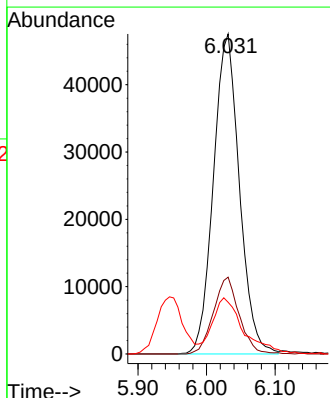
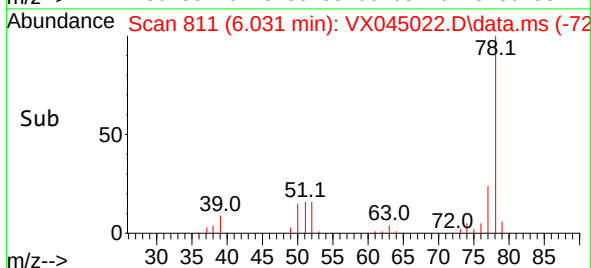
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

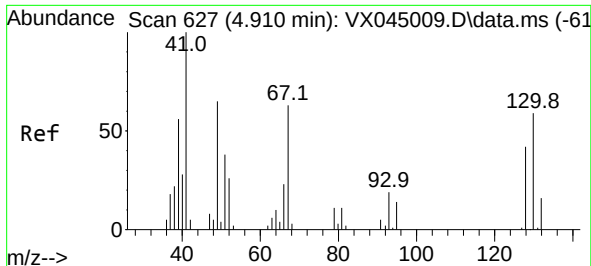


#34
Benzene
Concen: 20.635 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16



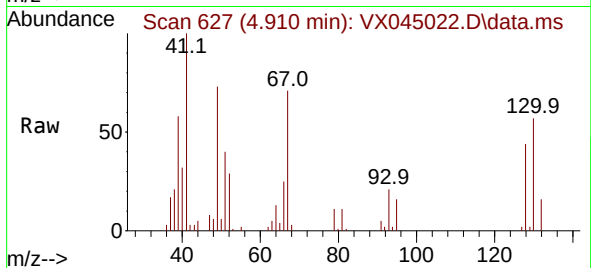
Tgt Ion: 78 Resp: 125107
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4
51 14.8 13.8 20.6





#35
Methacrylonitrile
Concen: 20.877 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

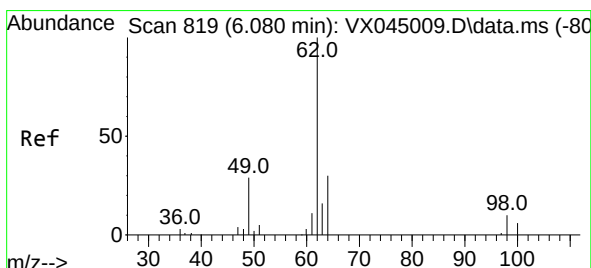
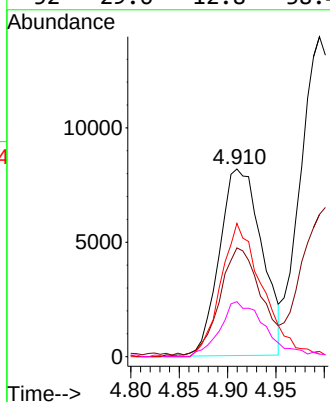
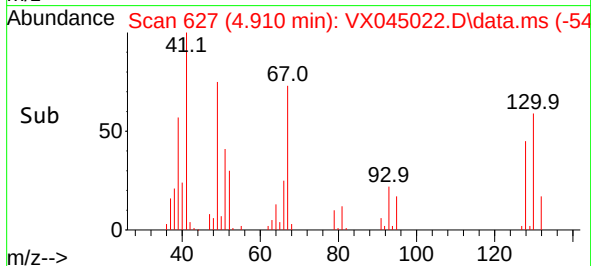
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 41	Resp: 2494
Ion Ratio	Lower Upper
41	100
39	56.5 27.8 83.4
67	71.6 31.5 94.5
52	29.6 12.8 38.4

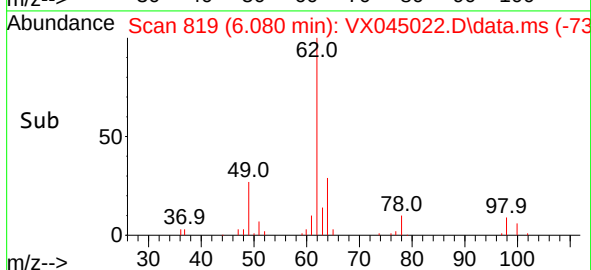
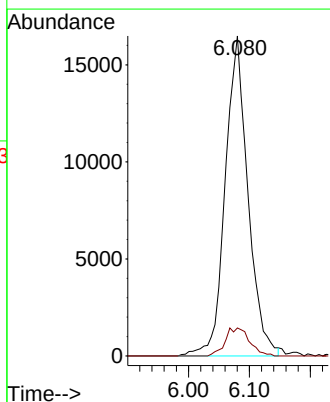
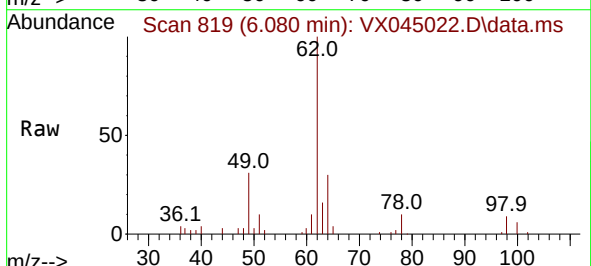
Manual Integrations
APPROVED

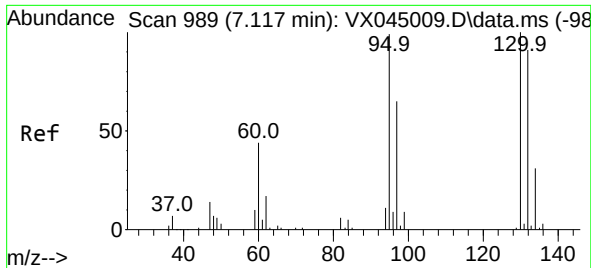
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#36
1,2-Dichloroethane
Concen: 20.627 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 62	Resp: 42815
Ion Ratio	Lower Upper
62	100
98	3.9 7.9 11.9#





#37
Trichloroethene
Concen: 20.516 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

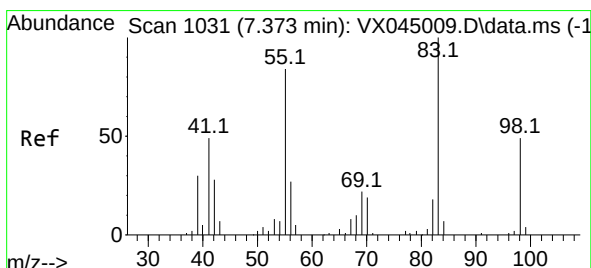
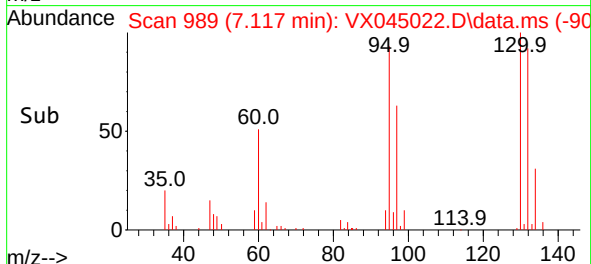
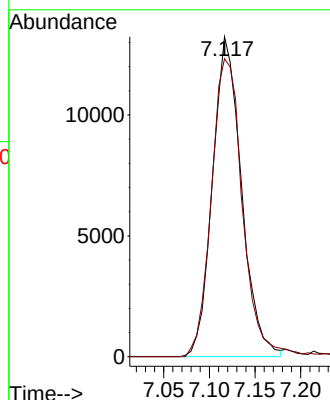
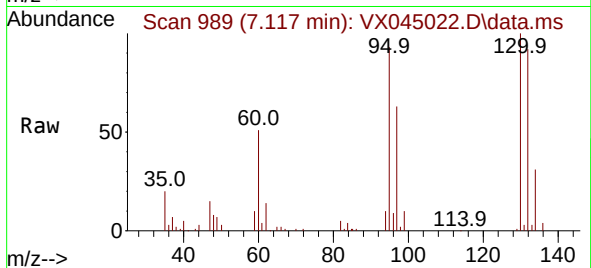
VSTDCCC020

Tgt Ion:130 Resp: 29099
Ion Ratio Lower Upper
130 100
95 93.1 79.0 118.4

Manual Integrations

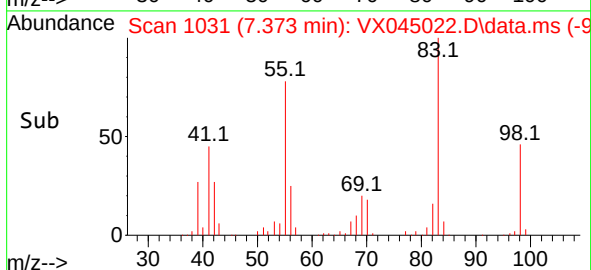
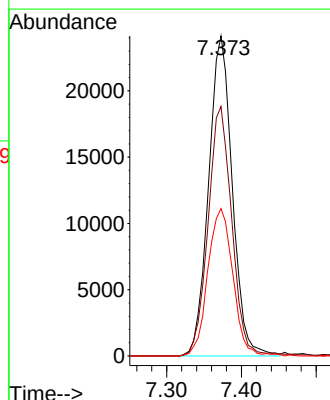
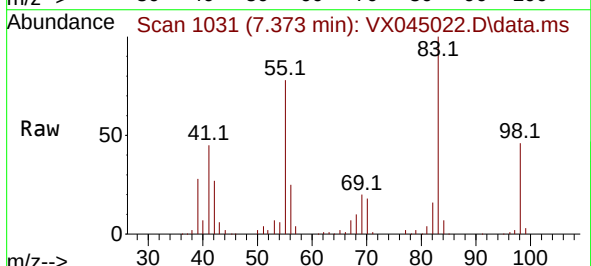
APPROVED

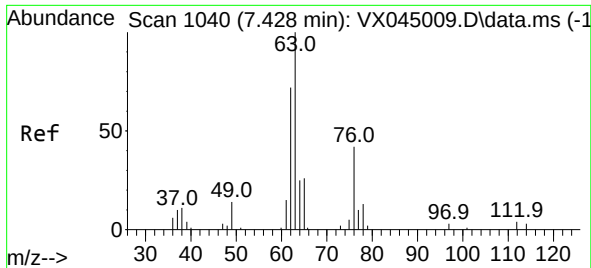
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#38
Methylcyclohexane
Concen: 20.513 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 83 Resp: 53249
Ion Ratio Lower Upper
83 100
55 78.1 40.6 122.0
98 48.2 24.9 74.6





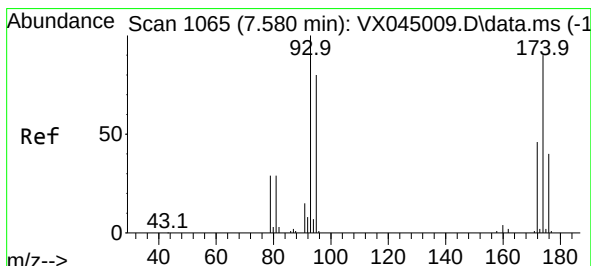
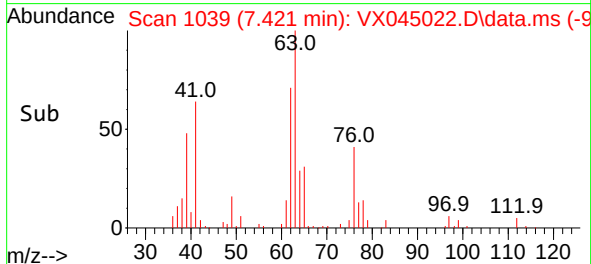
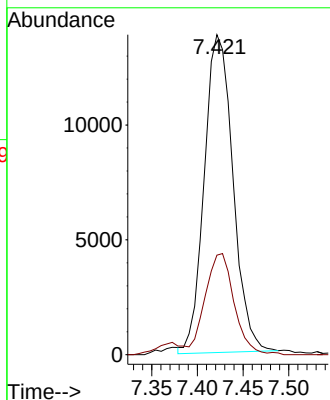
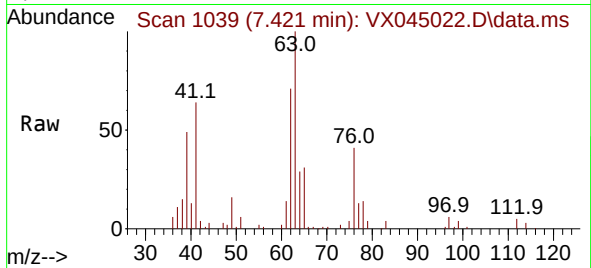
#39
1,2-Dichloropropane
Concen: 20.076 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 3026
Ion Ratio Lower Upper
63 100
65 31.0 24.3 36.5

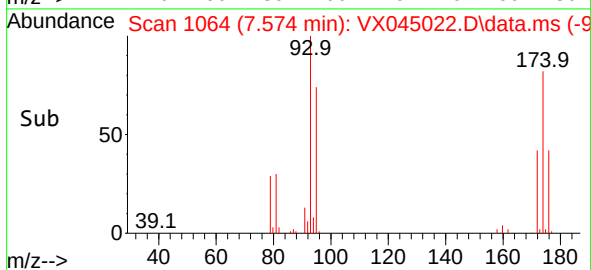
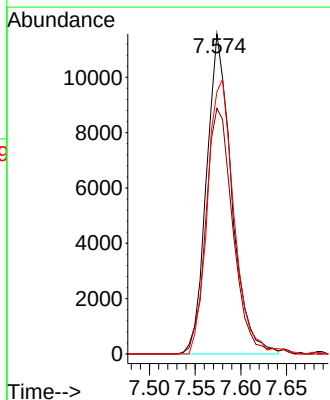
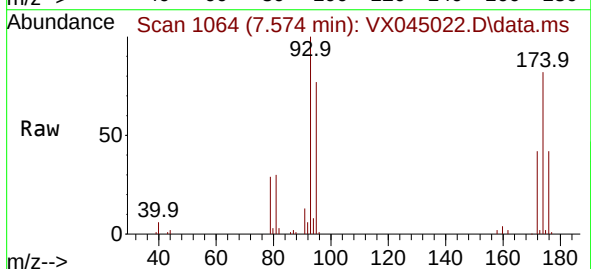
Manual Integrations
APPROVED

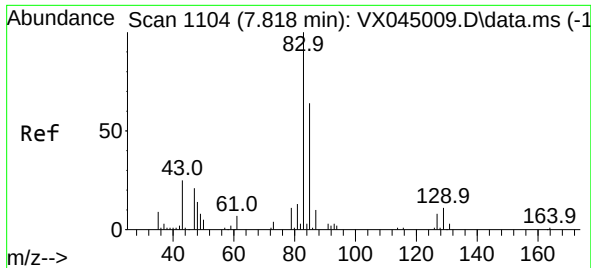
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#40
Dibromomethane
Concen: 20.425 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

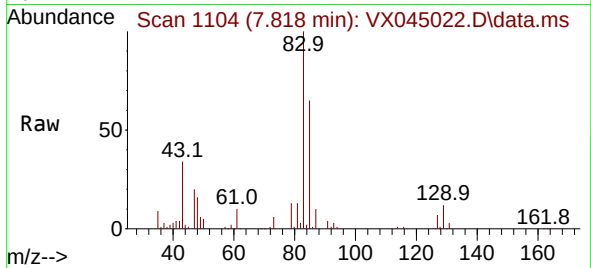
Tgt Ion: 93 Resp: 22092
Ion Ratio Lower Upper
93 100
95 82.6 0.0 162.6
174 89.7 0.0 178.8





#41
Bromodichloromethane
Concen: 20.225 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

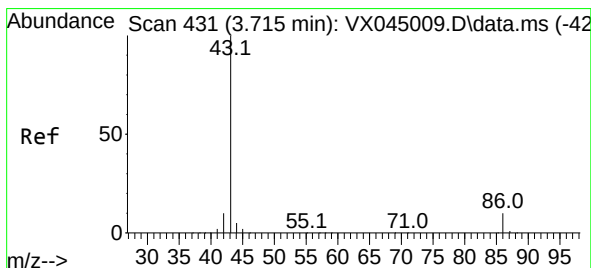
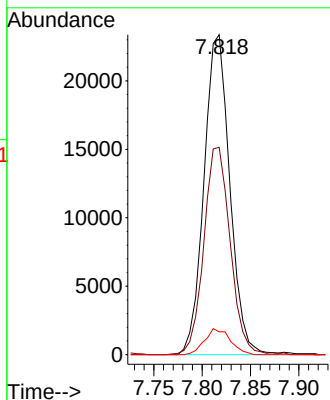
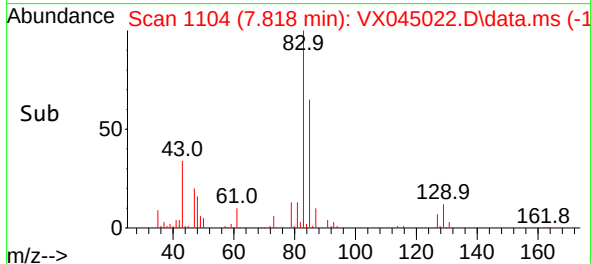
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 43480
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.6
127 7.2 6.1 9.1

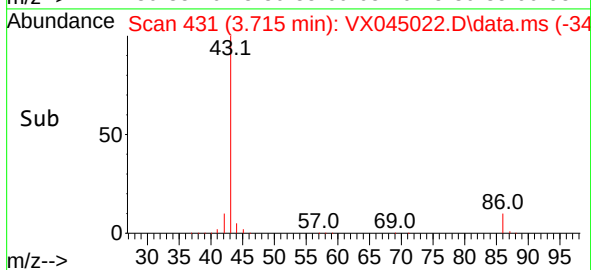
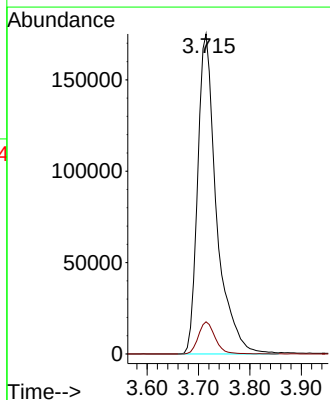
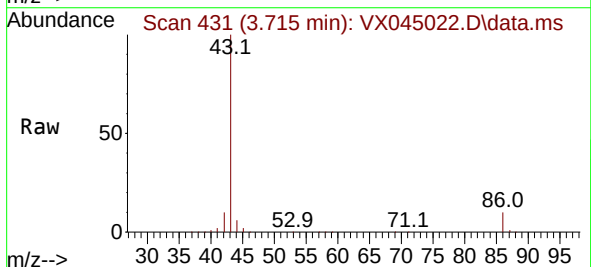
Manual Integrations
APPROVED

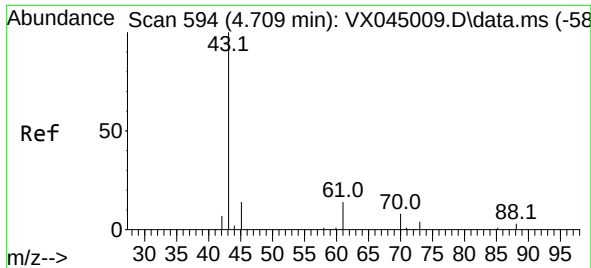
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#42
Vinyl Acetate
Concen: 102.873 ug/l
RT: 3.715 min Scan# 431
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

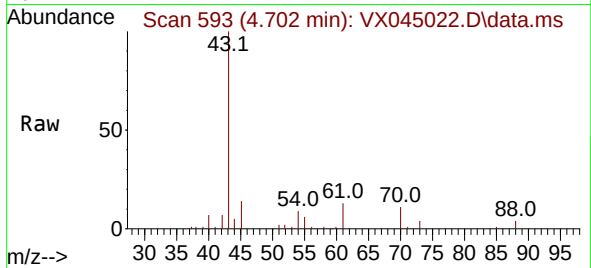
Tgt Ion: 43 Resp: 445779
Ion Ratio Lower Upper
43 100
86 8.9 7.0 10.4





#43
Ethyl Acetate
Concen: 21.938 ug/l
RT: 4.702 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

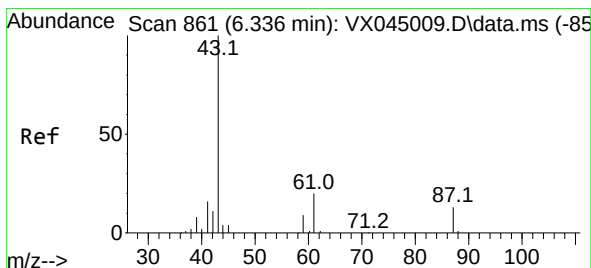
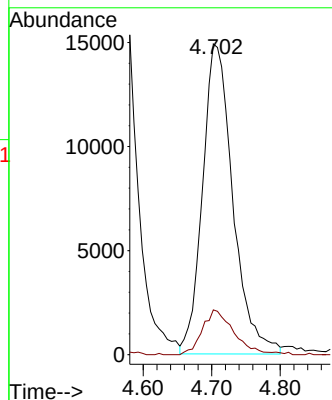
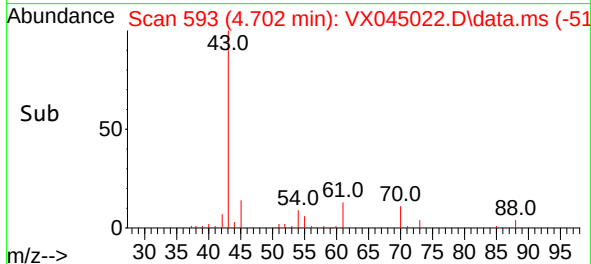
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 4594
Ion Ratio Lower Upper
43 100
45 14.9 12.7 19.1

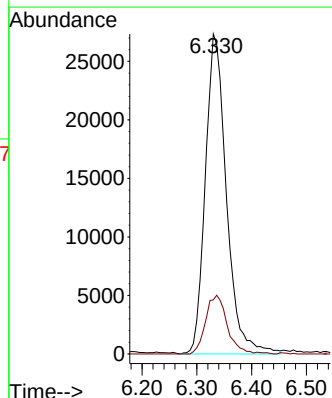
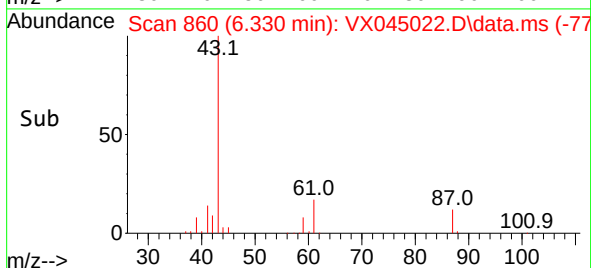
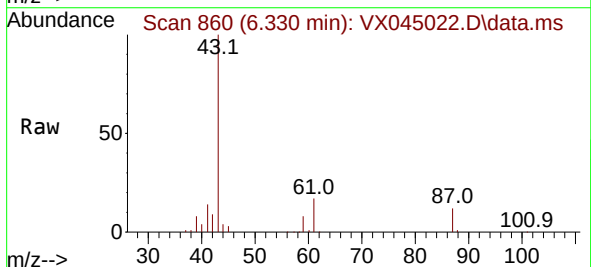
Manual Integrations
APPROVED

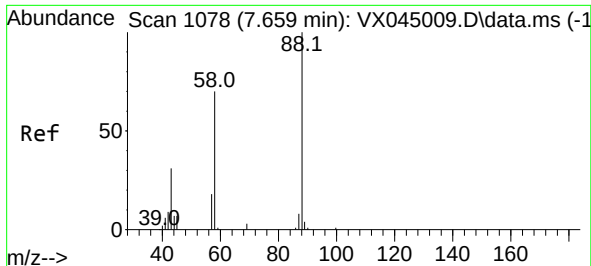
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#44
Isopropyl Acetate
Concen: 21.193 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

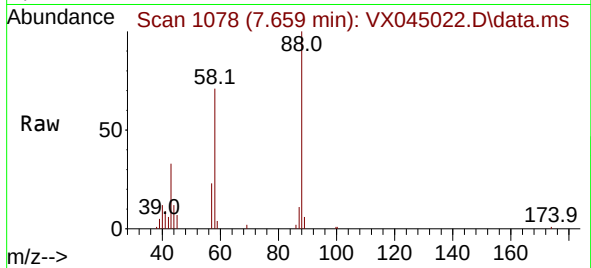
Tgt Ion: 43 Resp: 73046
Ion Ratio Lower Upper
43 100
61 18.6 15.5 23.3





#45
1,4-Dioxane
Concen: 439.218 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

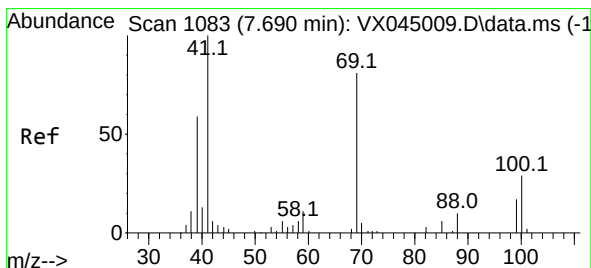
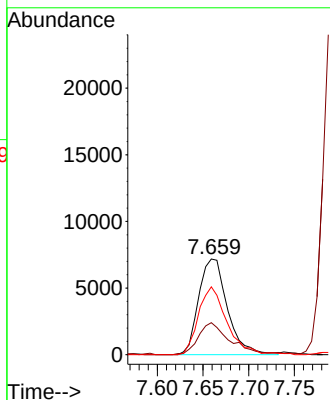
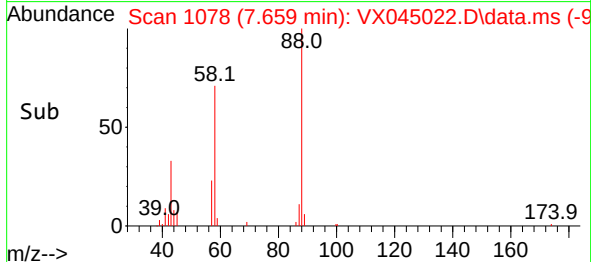
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



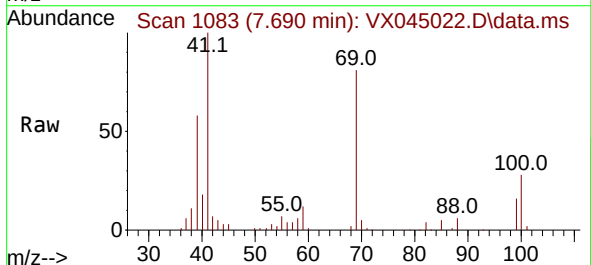
Tgt Ion: 88 Resp: 1573
Ion Ratio Lower Upper
88 100
43 36.3 29.6 44.4
58 69.0 56.2 84.4

Manual Integrations
APPROVED

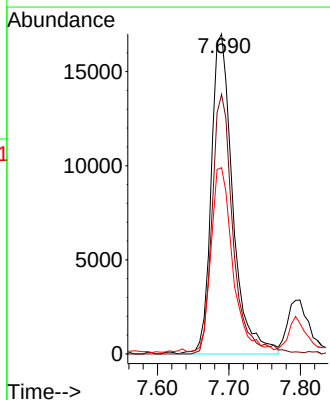
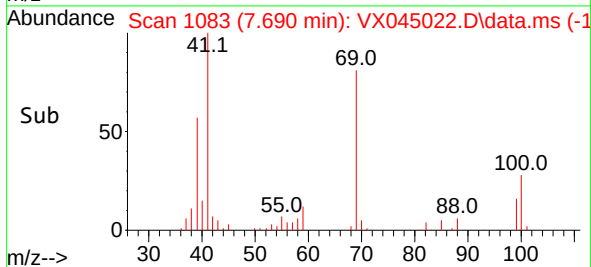
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025

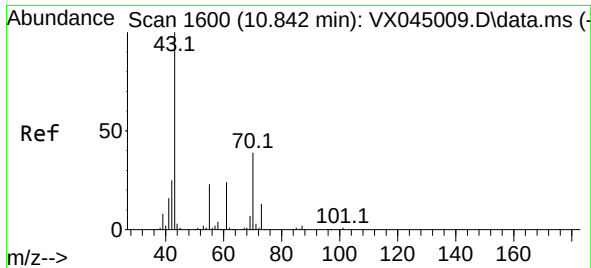


#46
Methyl methacrylate
Concen: 21.077 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16



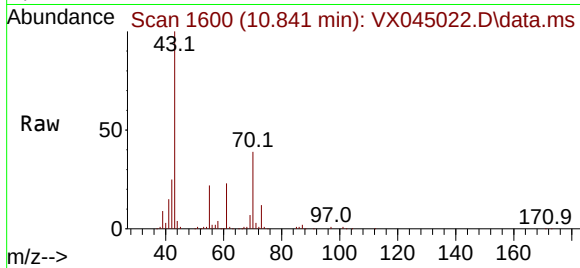
Tgt Ion: 41 Resp: 35622
Ion Ratio Lower Upper
41 100
69 81.1 40.7 122.1
39 57.2 29.5 88.5





#47
n-amy1 Acetate
Concen: 20.662 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

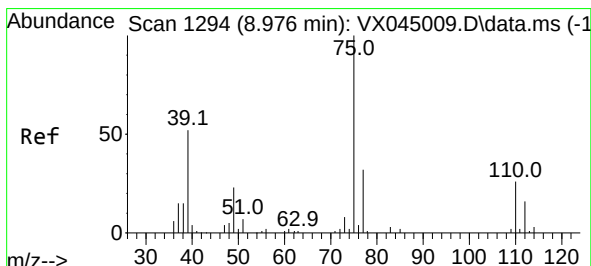
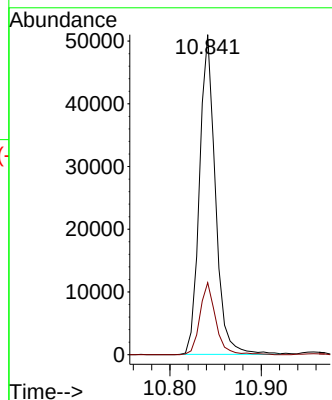
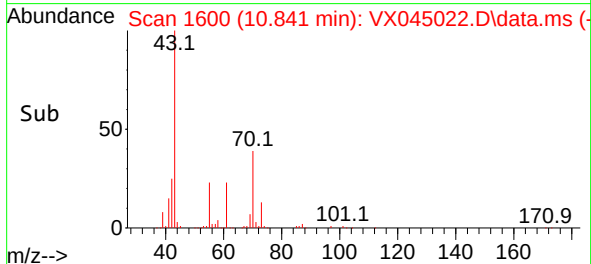
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 6179
Ion Ratio Lower Upper
43 100
55 22.4 18.6 27.8

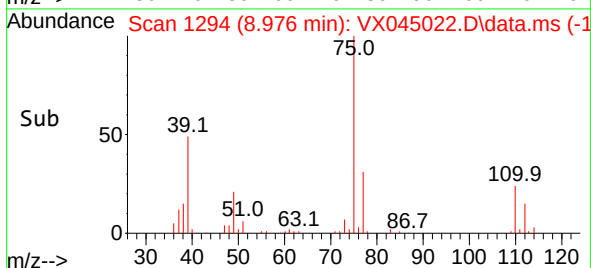
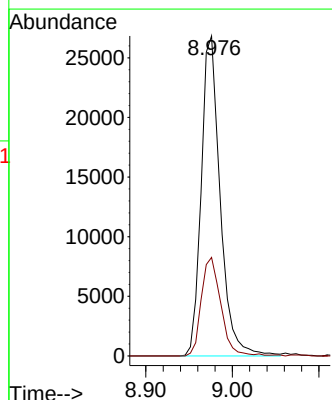
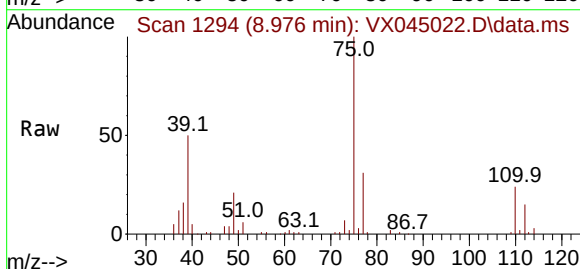
Manual Integrations
APPROVED

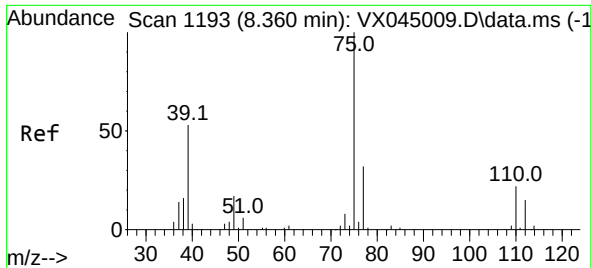
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#48
t-1,3-Dichloropropene
Concen: 19.686 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 75 Resp: 40791
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5





#49

cis-1,3-Dichloropropene

Concen: 20.704 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 48564

Ion Ratio Lower Upper

75 100

77 30.4 25.9 38.9

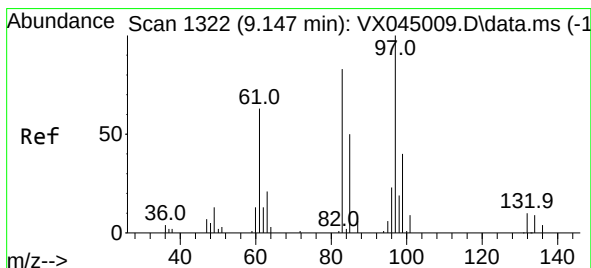
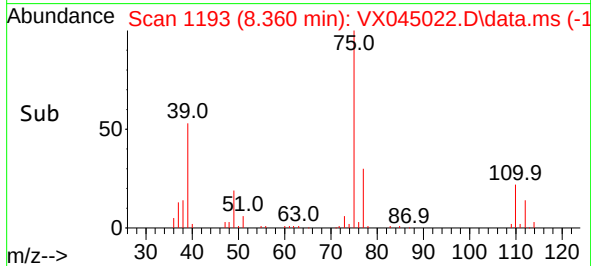
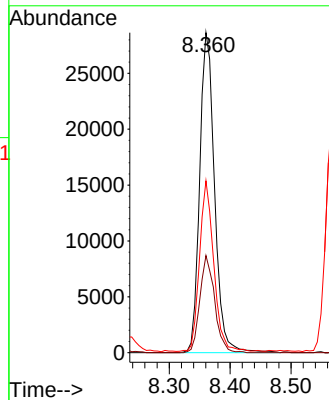
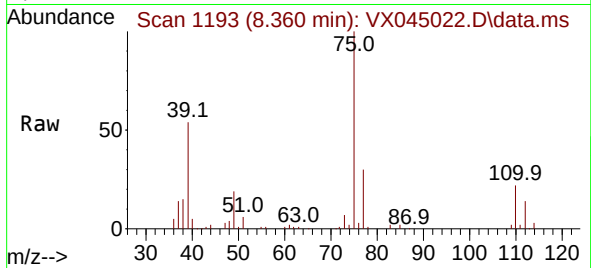
39 53.2 42.3 63.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#50

1,1,2-Trichloroethane

Concen: 20.723 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Tgt Ion: 97 Resp: 29237

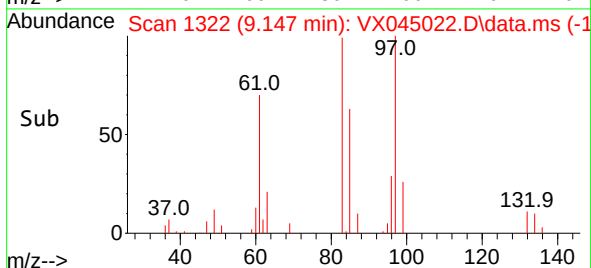
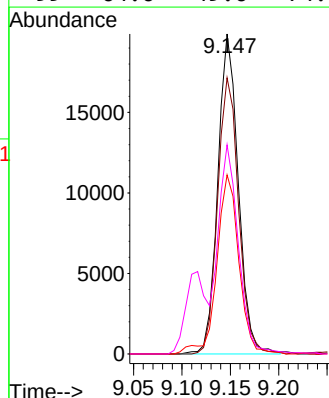
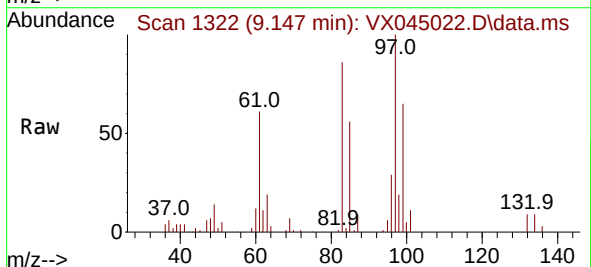
Ion Ratio Lower Upper

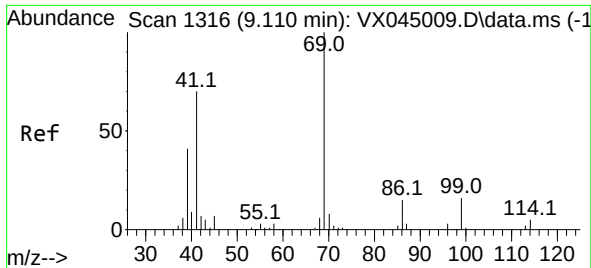
97 100

83 86.3 66.0 99.0

85 55.4 42.5 63.7

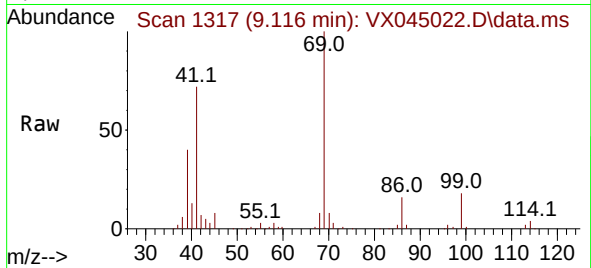
99 64.6 49.6 74.4





#51
Ethyl methacrylate
Concen: 19.657 ug/l
RT: 9.116 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

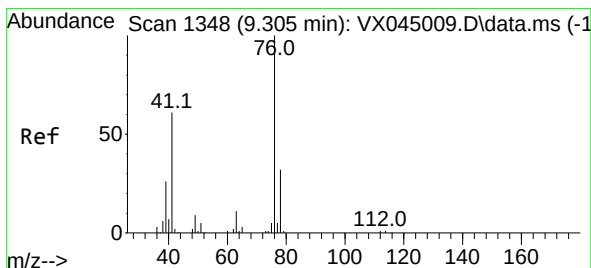
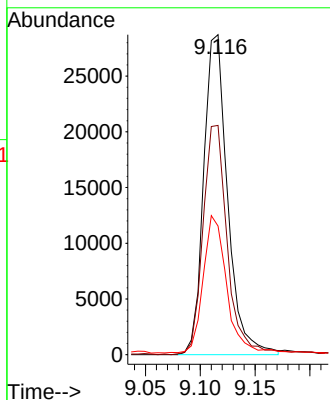
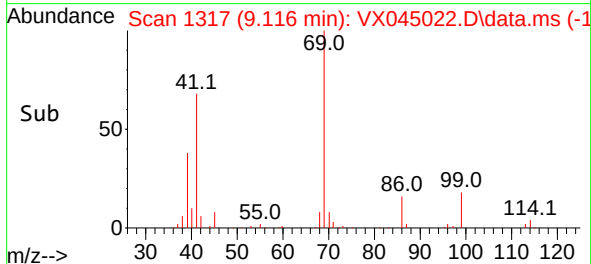
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 43618
Ion Ratio Lower Upper
69 100
41 71.3 35.1 105.3
39 39.5 20.5 61.6

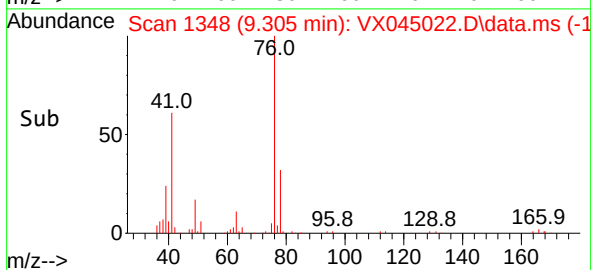
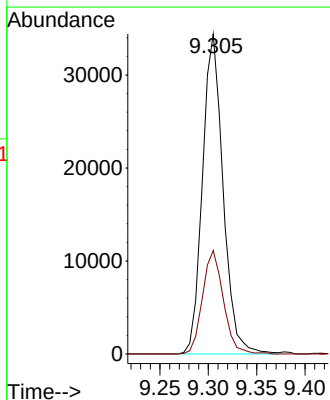
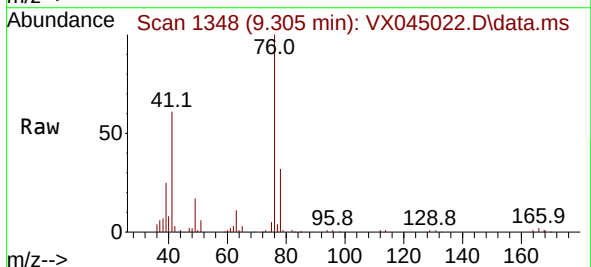
Manual Integrations
APPROVED

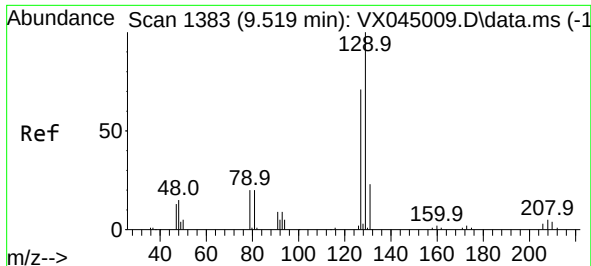
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#52
1,3-Dichloropropane
Concen: 20.713 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 76 Resp: 51204
Ion Ratio Lower Upper
76 100
78 32.4 0.0 63.6





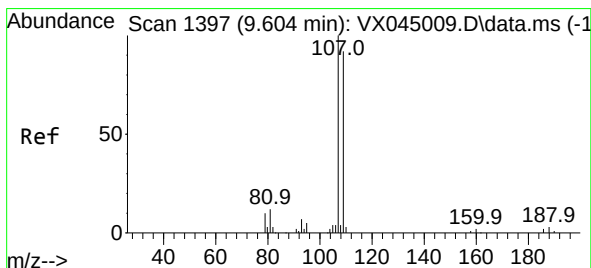
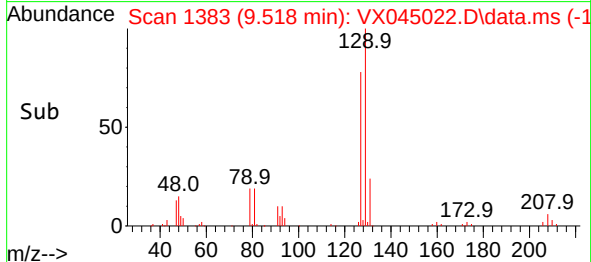
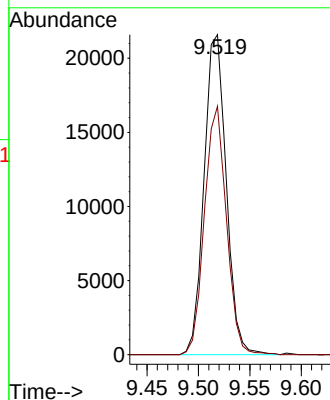
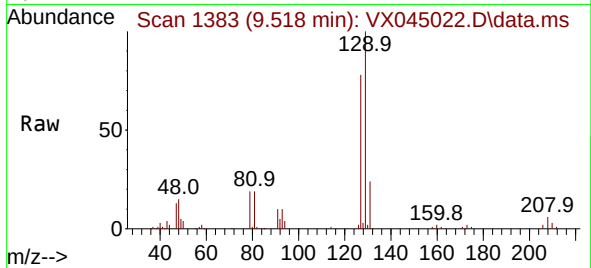
#53
Dibromochloromethane
Concen: 20.772 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 3241
Ion Ratio Lower Upper
129 100
127 77.2 37.3 111.9

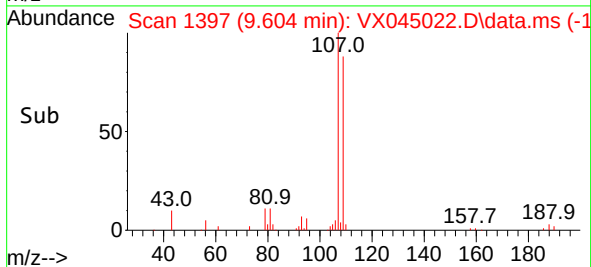
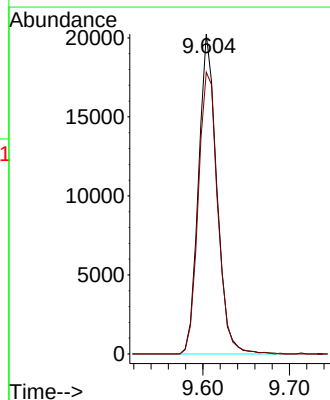
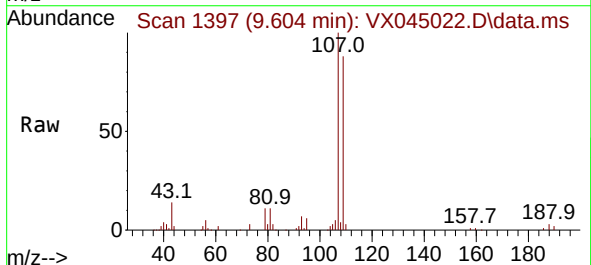
Manual Integrations
APPROVED

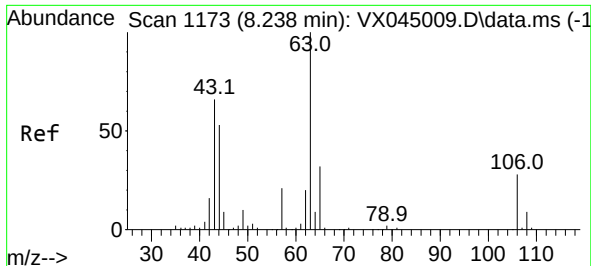
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#54
1,2-Dibromoethane
Concen: 20.756 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion:107 Resp: 29736
Ion Ratio Lower Upper
107 100
109 93.7 75.8 113.8





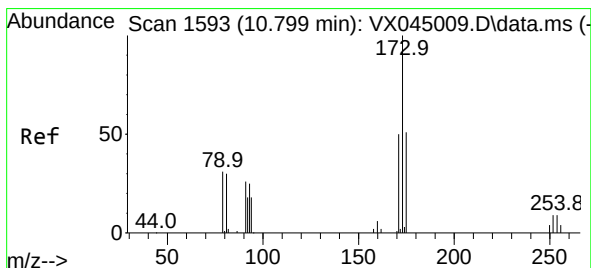
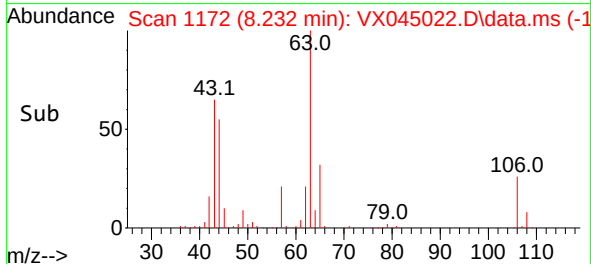
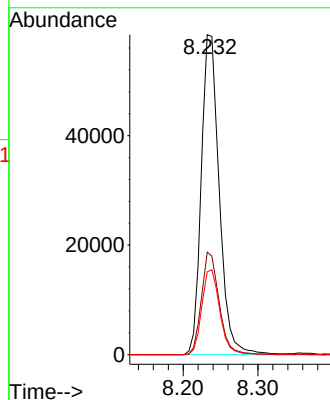
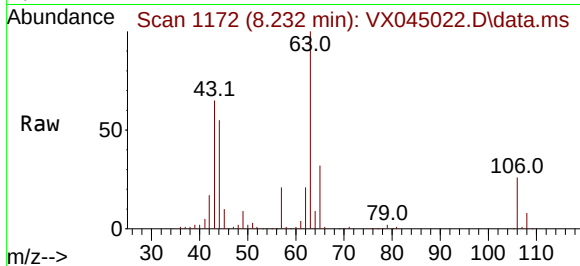
#55
2-Chloroethyl vinyl ether
Concen: 85.669 ug/l
RT: 8.232 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 9761
Ion Ratio Lower Upper
63 100
65 31.6 26.2 39.2
106 26.5 21.2 31.8

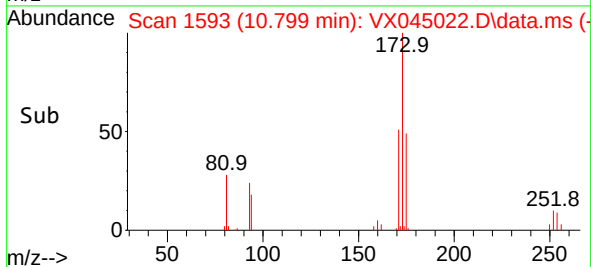
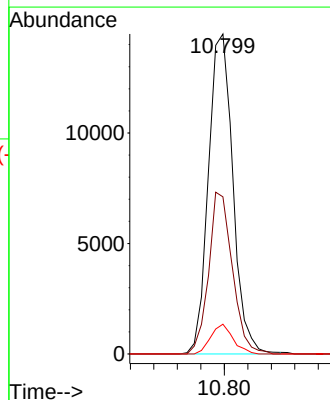
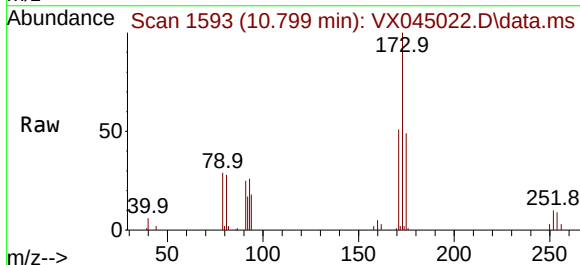
Manual Integrations
APPROVED

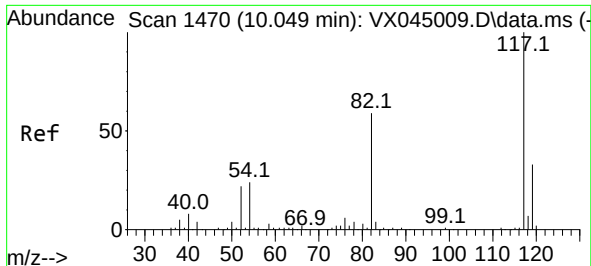
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#56
Bromoform
Concen: 21.431 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

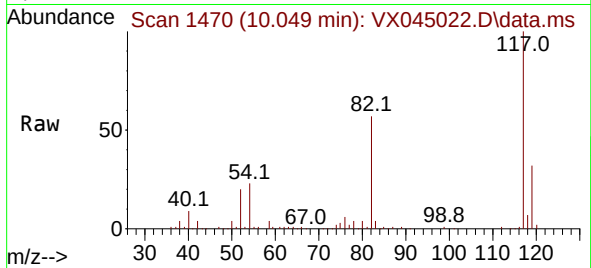
Tgt Ion:173 Resp: 20955
Ion Ratio Lower Upper
173 100
175 49.0 39.6 59.4
254 8.4 6.3 9.5





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

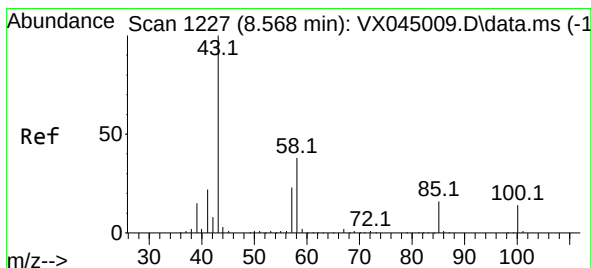
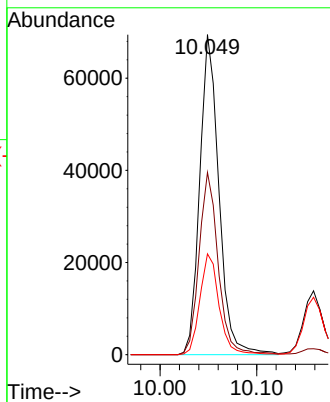
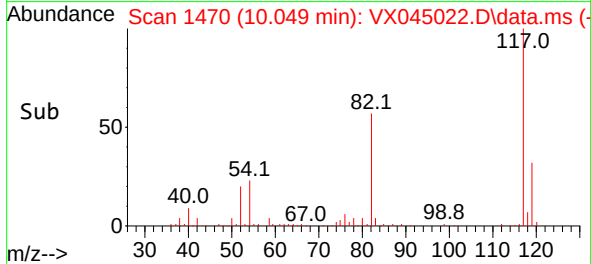
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 9602
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.8
119 31.7 25.5 38.3

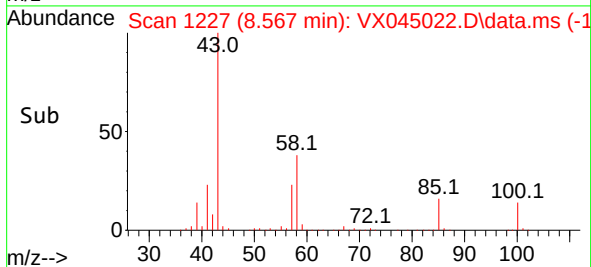
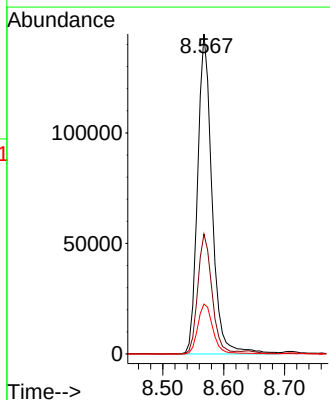
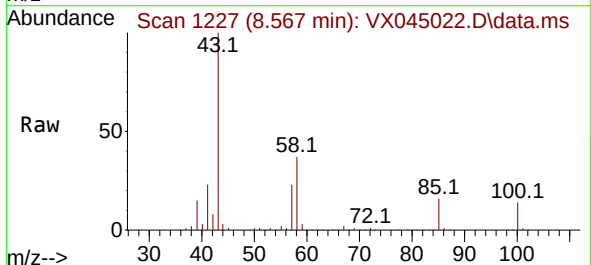
Manual Integrations
APPROVED

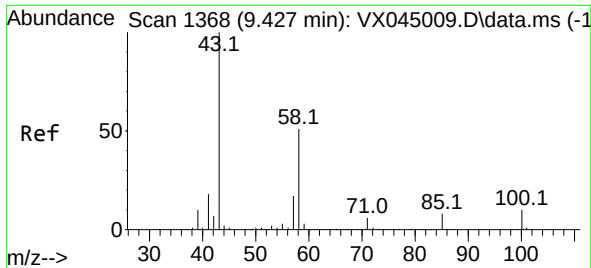
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#58
4-Methyl-2-Pentanone
Concen: 109.161 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

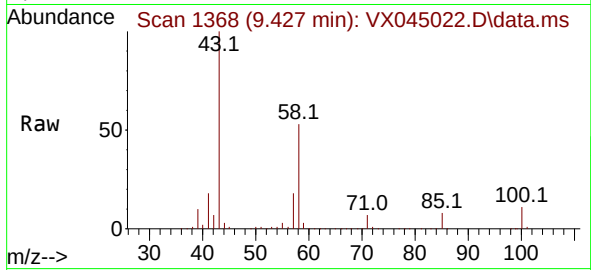
Tgt Ion: 43 Resp: 238438
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3
85 16.4 12.9 19.3





#59
2-Hexanone
Concen: 110.746 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

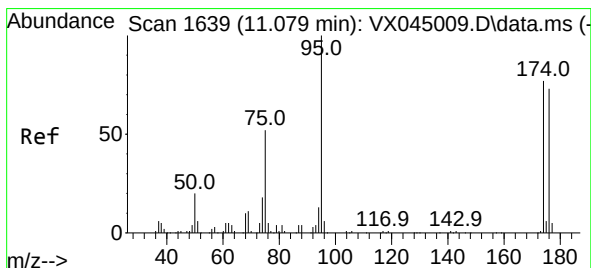
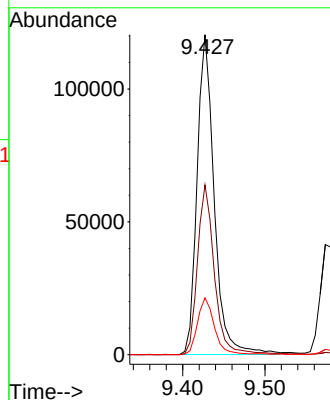
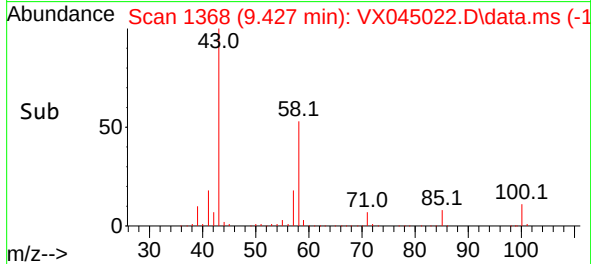
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 174848
Ion Ratio Lower Upper
43 100
58 52.5 41.6 62.4
57 17.5 13.8 20.6

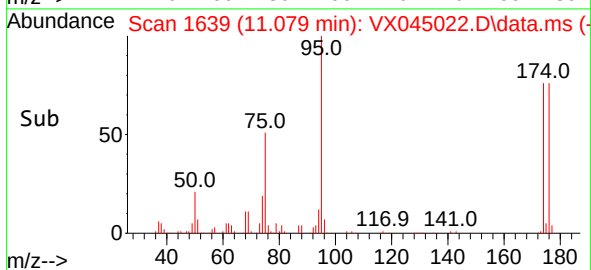
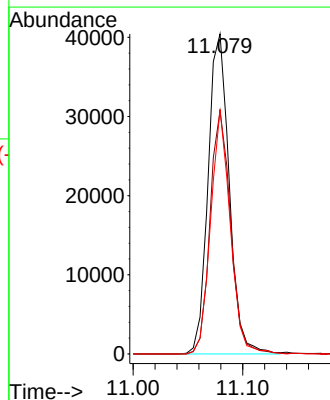
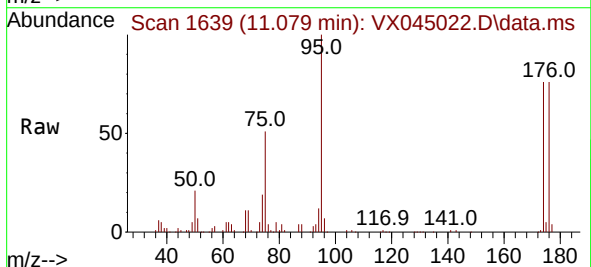
Manual Integrations
APPROVED

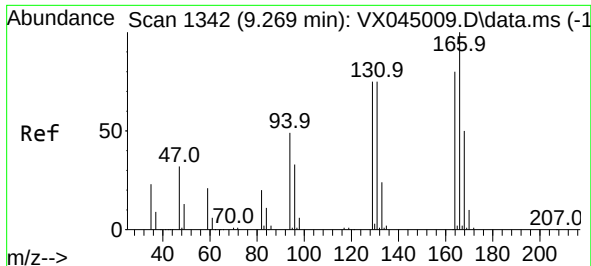
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#60
4-Bromofluorobenzene
Concen: 30.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 95 Resp: 54124
Ion Ratio Lower Upper
95 100
174 74.5 59.5 89.3
176 70.8 55.5 83.3





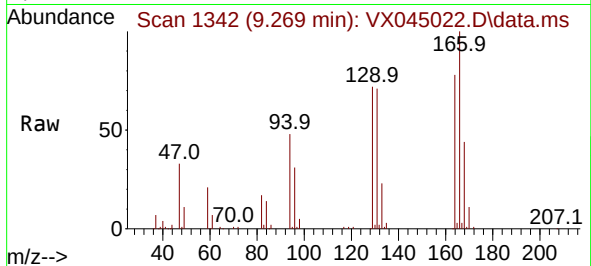
#61
Tetrachloroethene
Concen: 21.438 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020



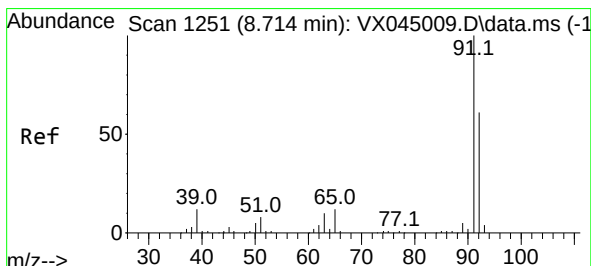
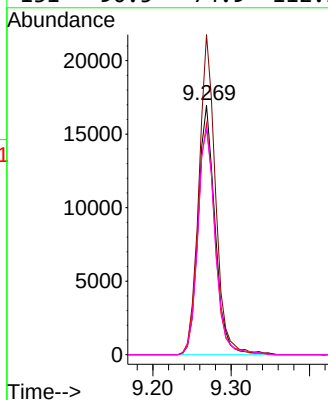
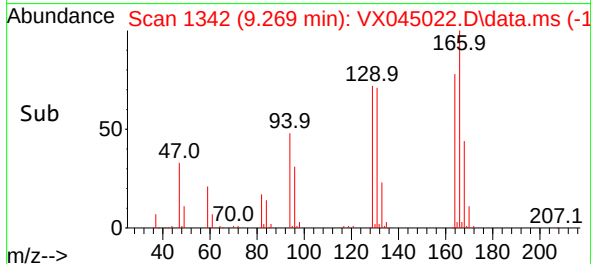
Tgt Ion:164 Resp: 25348
Ion Ratio Lower Upper
164 100
166 128.3 100.3 150.5
129 92.7 75.5 113.3
131 90.5 74.9 112.3

Manual Integrations

APPROVED

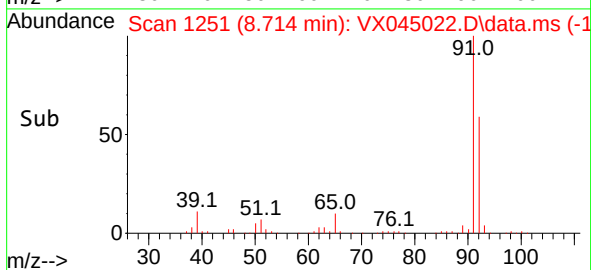
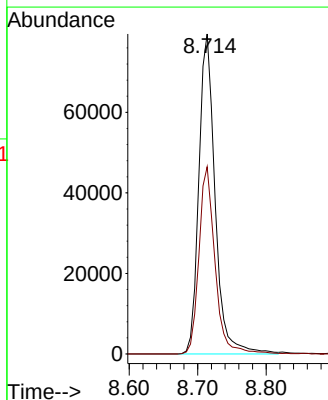
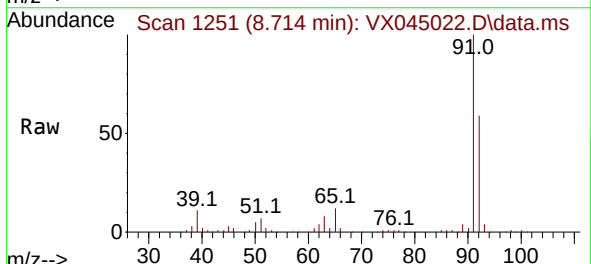
Reviewed By :John Carlone 02/25/2025

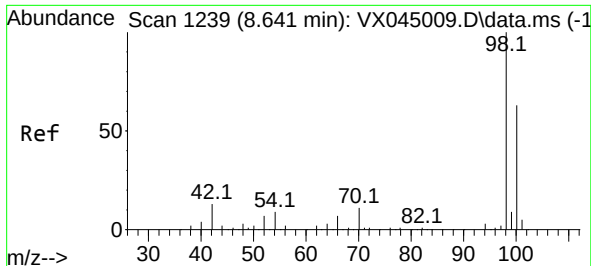
Supervised By :Mahesh Dadoda 02/25/2025



#62
Toluene
Concen: 20.685 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

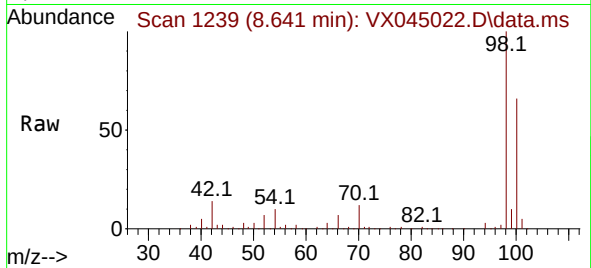
Tgt Ion: 91 Resp: 131575
Ion Ratio Lower Upper
91 100
92 57.9 46.9 70.3





#63
Toluene-d8
Concen: 29.855 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

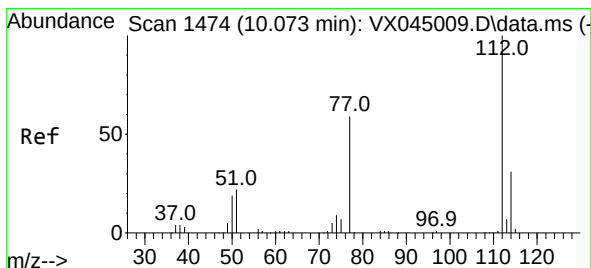
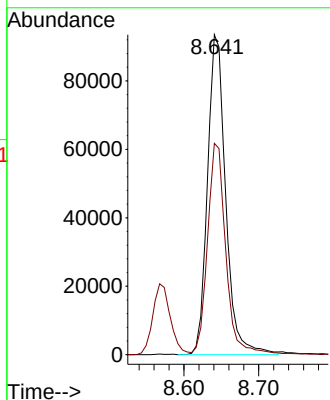
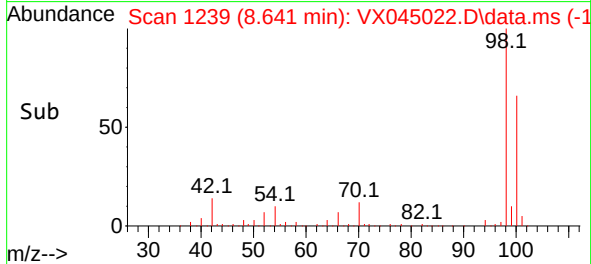
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 158594
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

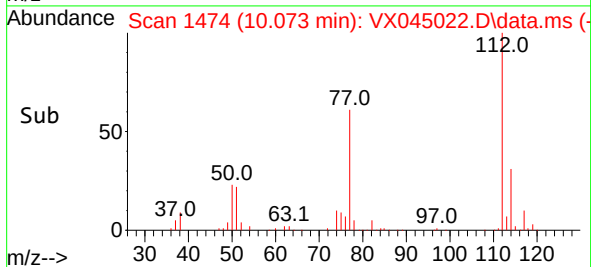
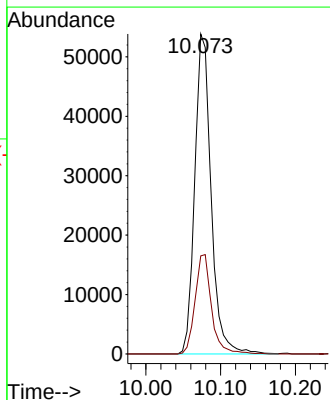
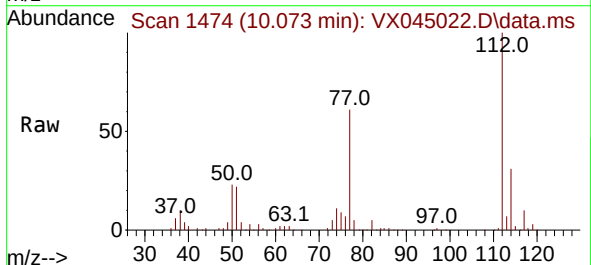
Manual Integrations
APPROVED

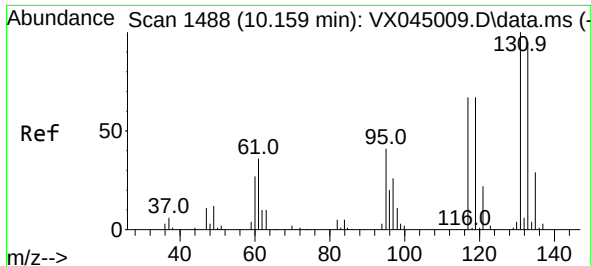
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#64
Chlorobenzene
Concen: 20.759 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

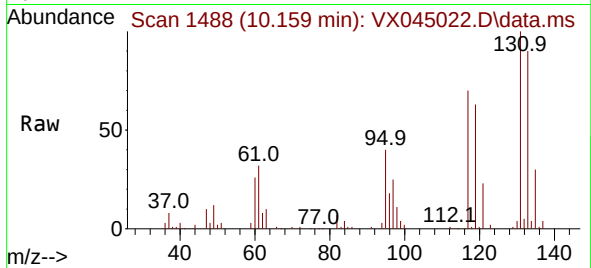
Tgt Ion:112 Resp: 81824
Ion Ratio Lower Upper
112 100
114 30.7 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 20.645 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

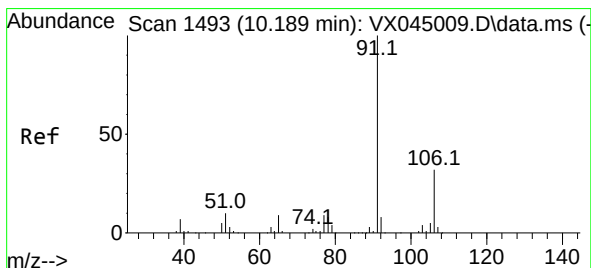
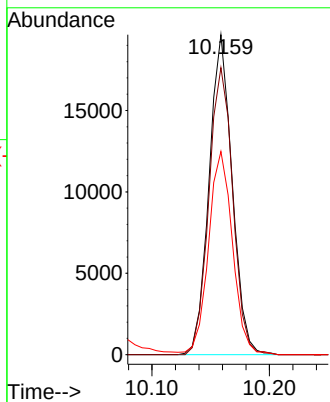
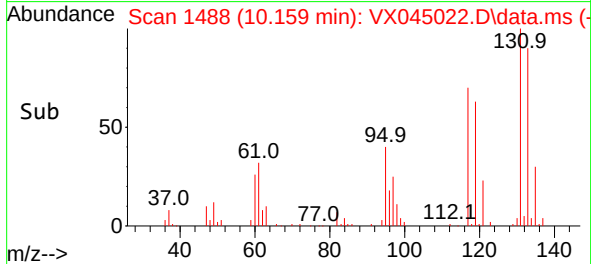
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:131 Resp: 2685
Ion Ratio Lower Upper
131 100
133 93.0 0.0 187.8
119 66.0 0.0 133.0

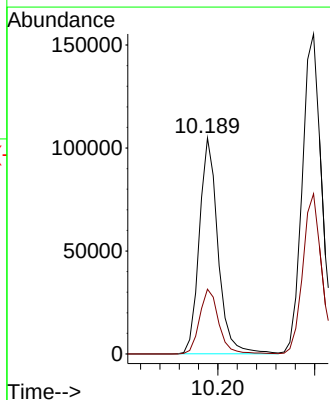
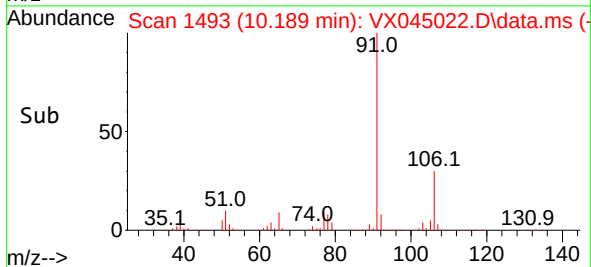
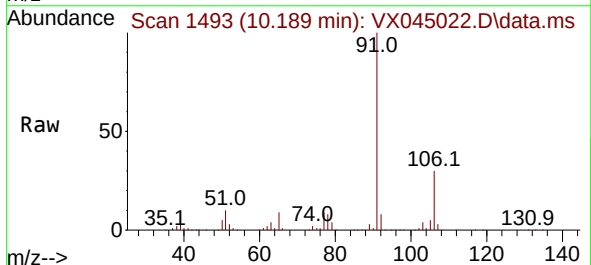
Manual Integrations
APPROVED

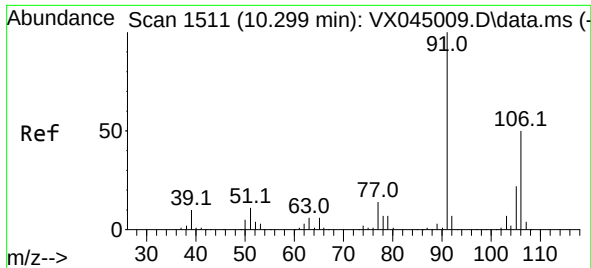
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#66
Ethyl Benzene
Concen: 20.218 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 91 Resp: 140795
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2





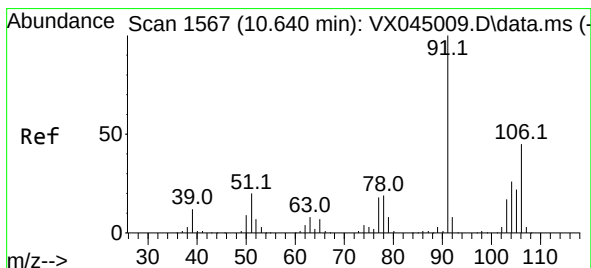
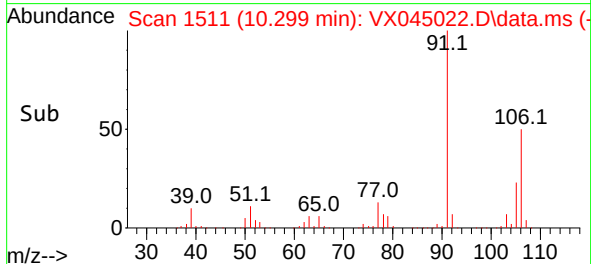
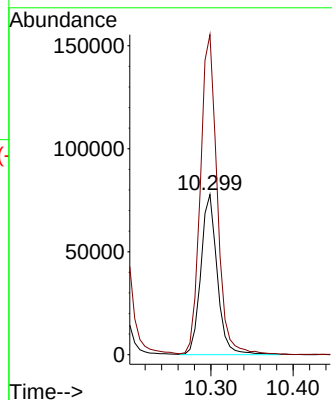
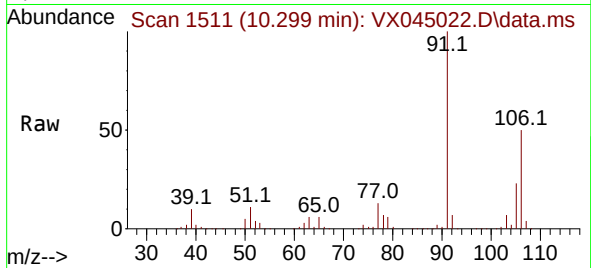
#67
m/p-Xylenes
Concen: 41.491 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 107652
Ion Ratio Lower Upper
106 100
91 204.8 163.7 245.5

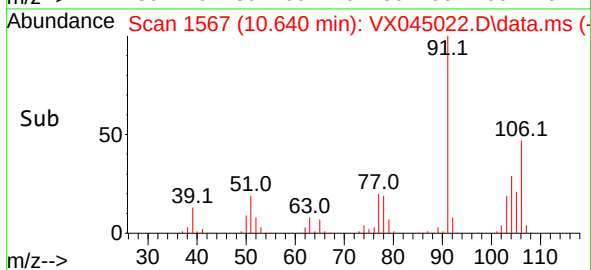
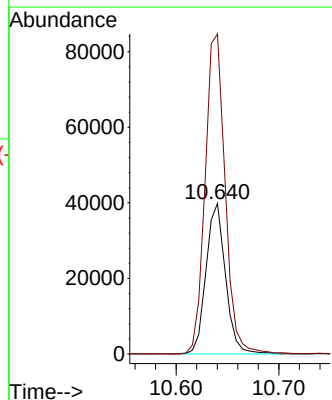
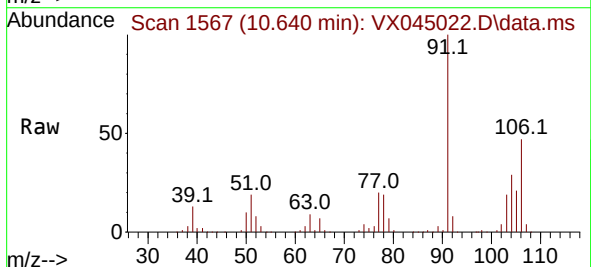
Manual Integrations
APPROVED

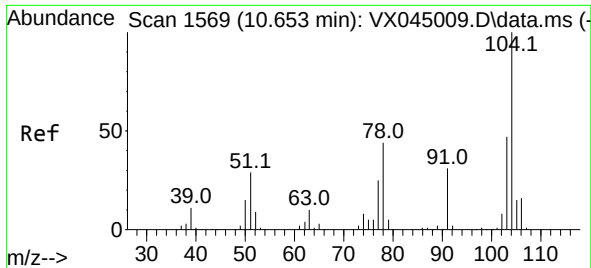
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#68
o-Xylene
Concen: 20.653 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion:106 Resp: 52578
Ion Ratio Lower Upper
106 100
91 219.1 109.7 329.1





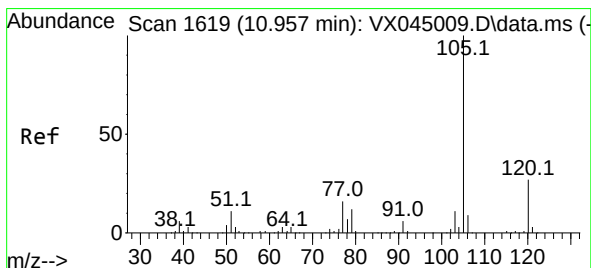
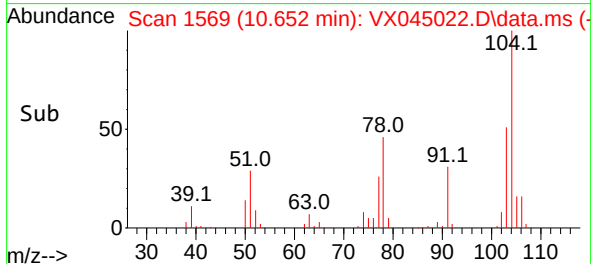
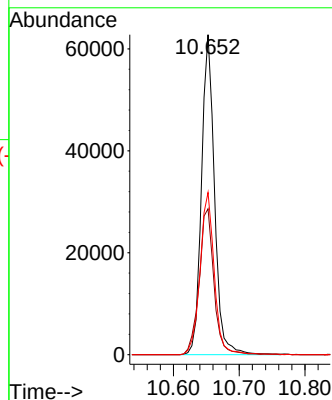
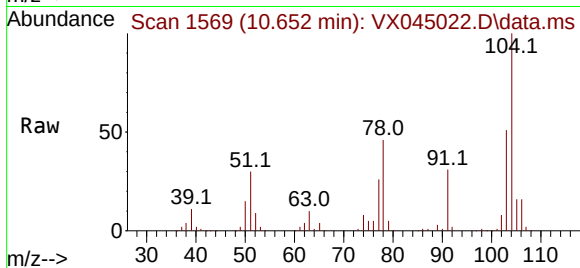
#69
Styrene
Concen: 20.360 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 86568
Ion Ratio Lower Upper
104 100
78 51.4 41.4 62.0
103 55.3 43.0 64.4

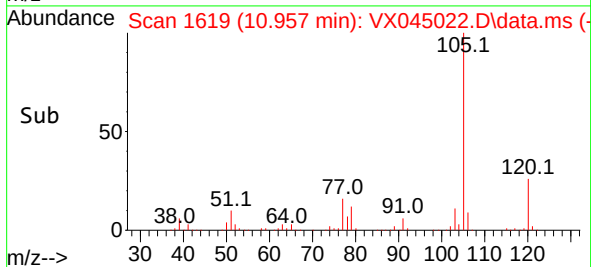
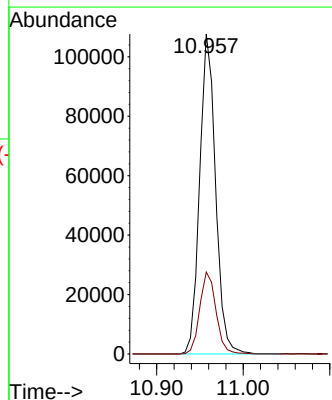
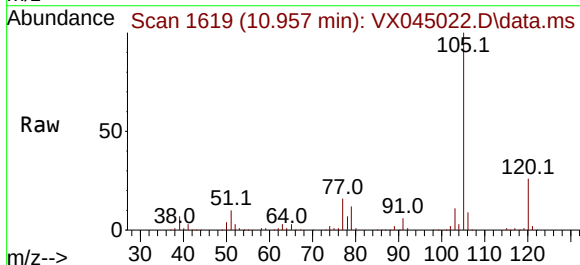
Manual Integrations
APPROVED

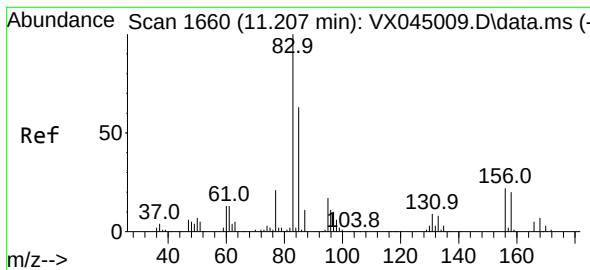
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#70
Isopropylbenzene
Concen: 20.896 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

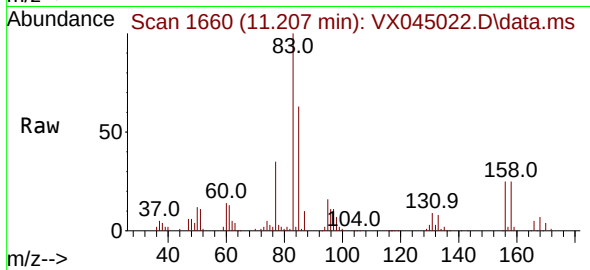
Tgt Ion:105 Resp: 137275
Ion Ratio Lower Upper
105 100
120 26.0 18.4 34.2





#71
1,1,2,2-Tetrachloroethane
Concen: 21.539 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

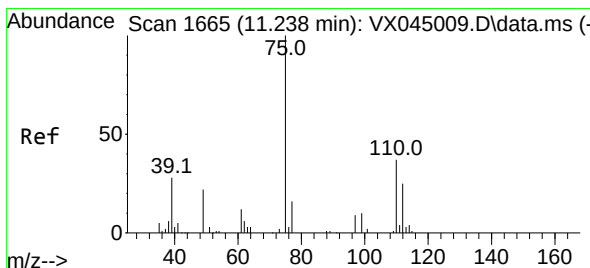
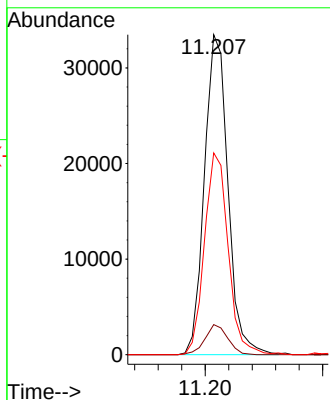
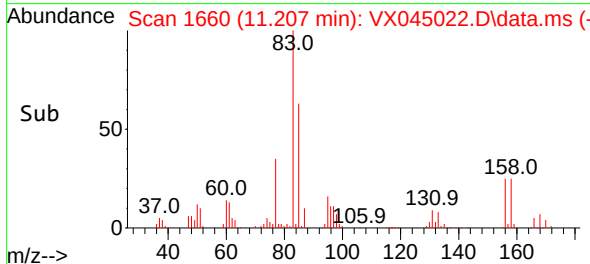
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 4653
Ion Ratio Lower Upper
83 100
131 9.1 4.8 14.3
85 63.4 32.3 96.8

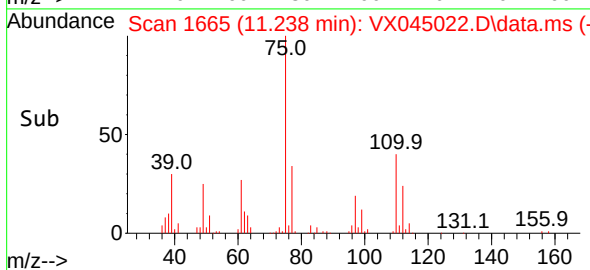
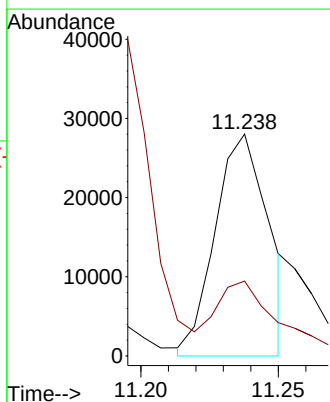
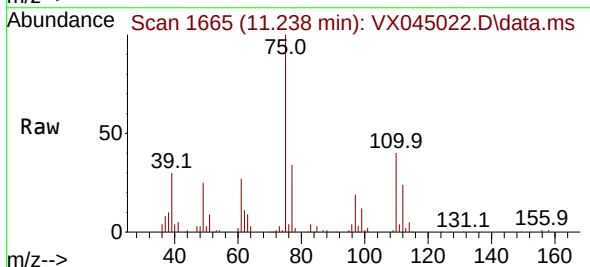
Manual Integrations
APPROVED

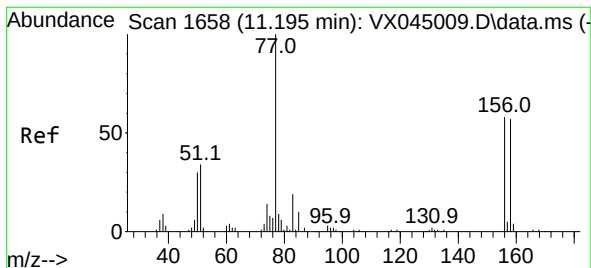
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#72
1,2,3-Trichloropropane
Concen: 21.147 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Tgt Ion: 75 Resp: 37575
Ion Ratio Lower Upper
75 100
77 40.9 0.0 84.0





#73

Bromobenzene

Concen: 20.862 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

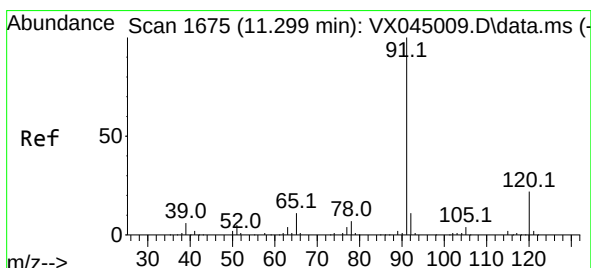
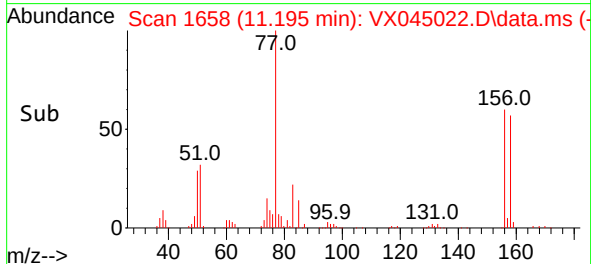
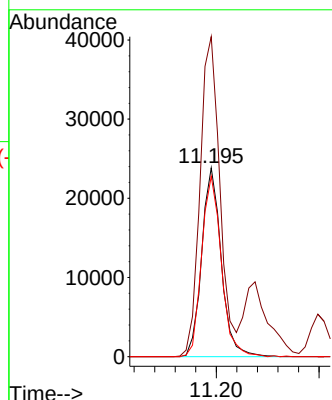
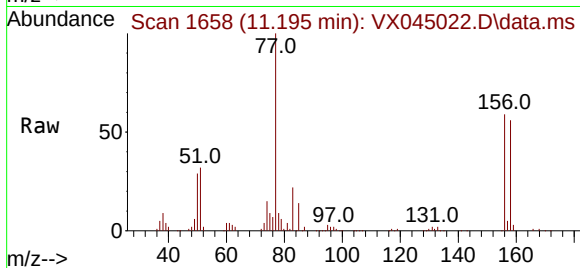
Tgt Ion:	156	Resp:	3155
Ion Ratio	Lower	Upper	
156	100		
77	172.4	0.0	347.2
158	96.5	0.0	197.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/25/2025

Supervised By :Mahesh Dadoda 02/25/2025



#74

n-propylbenzene

Concen: 20.751 ug/l

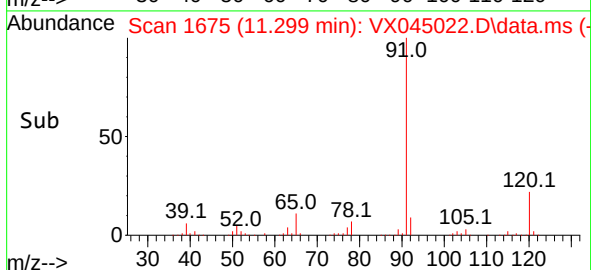
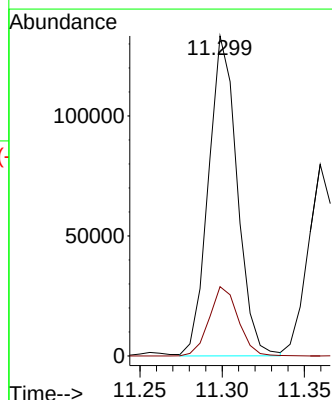
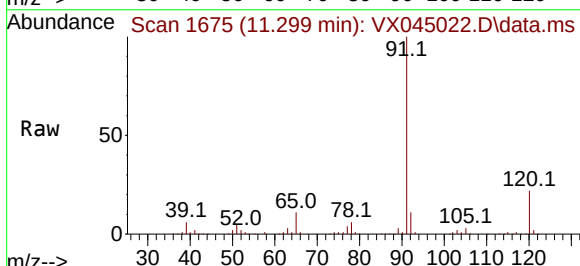
RT: 11.299 min Scan# 1675

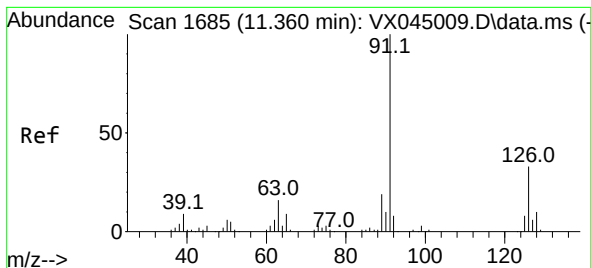
Delta R.T. -0.000 min

Lab File: VX045022.D

Acq: 24 Feb 2025 10:16

Tgt Ion:	91	Resp:	162228
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	44.2





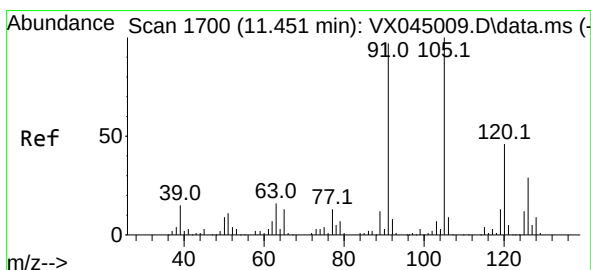
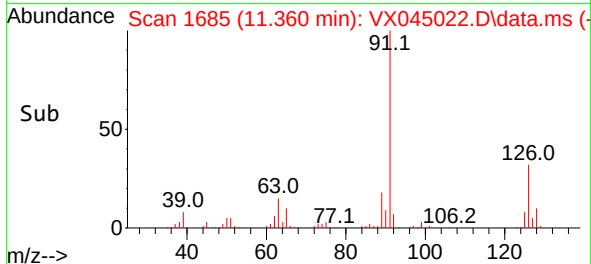
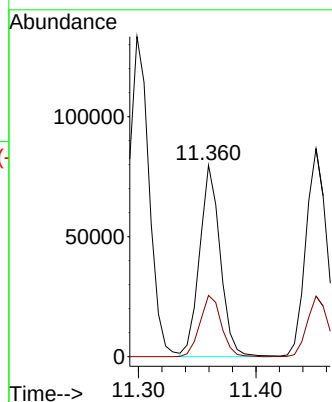
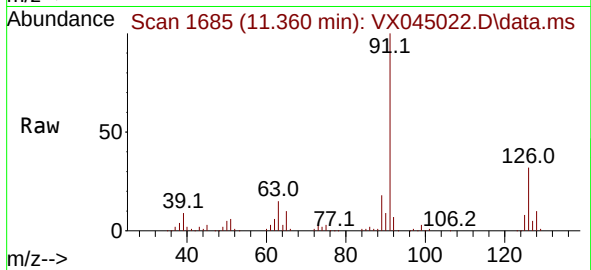
#75
2-Chlorotoluene
Concen: 20.679 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 97738
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.4

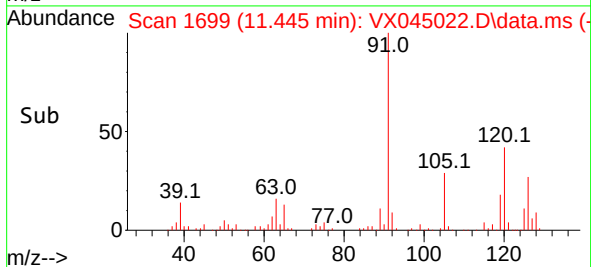
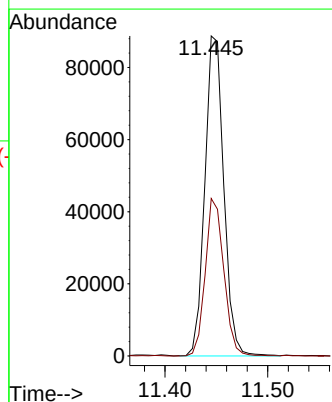
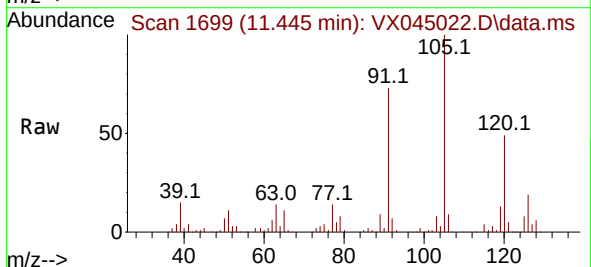
Manual Integrations
APPROVED

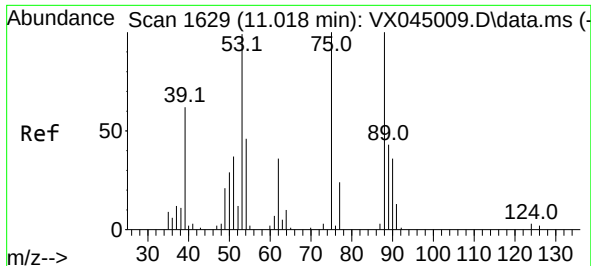
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.998 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

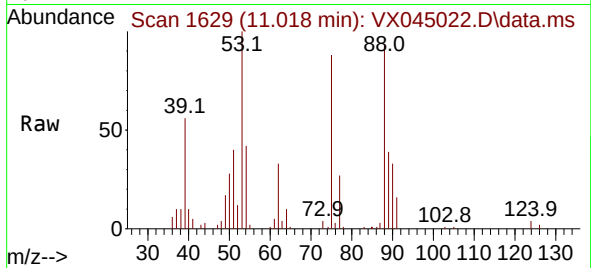
Tgt Ion:105 Resp: 113802
Ion Ratio Lower Upper
105 100
120 48.2 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 19.277 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

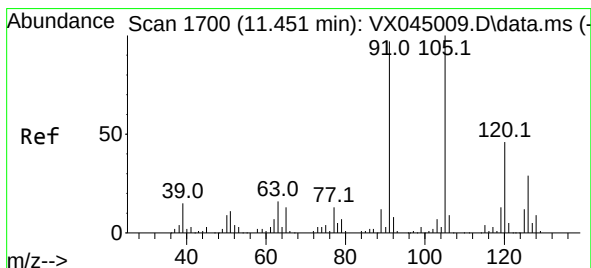
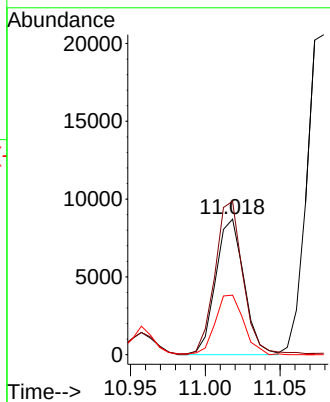
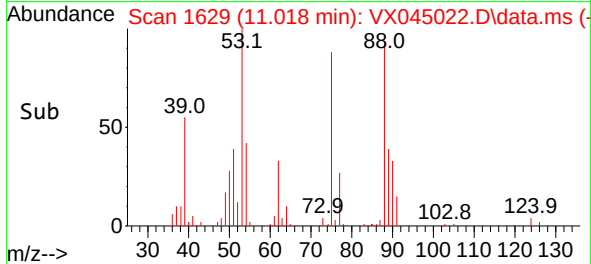
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 11524
Ion Ratio Lower Upper
75 100
53 113.8 49.8 149.4
89 43.6 21.4 64.2

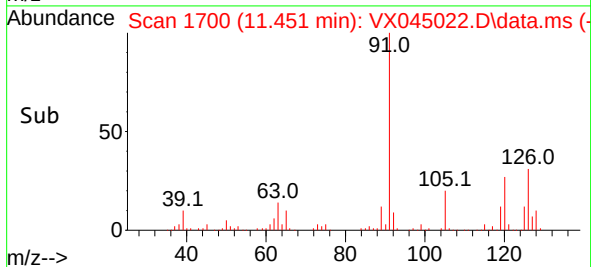
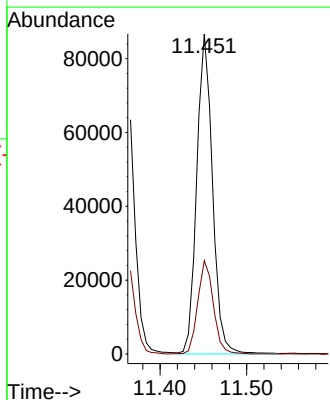
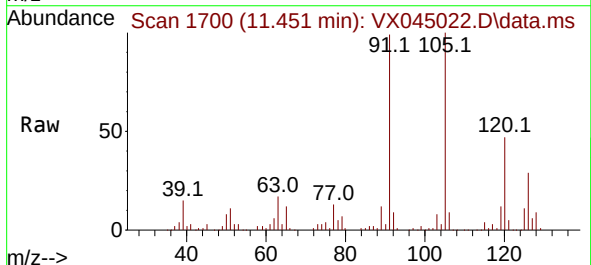
Manual Integrations
APPROVED

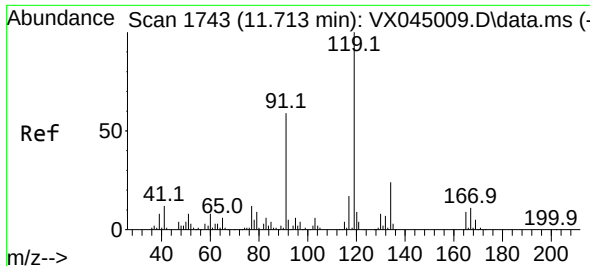
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#78
4-Chlorotoluene
Concen: 20.805 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

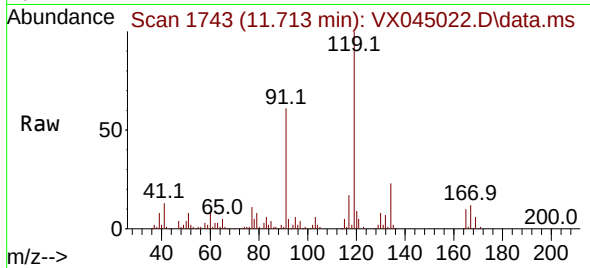
Tgt Ion: 91 Resp: 109615
Ion Ratio Lower Upper
91 100
126 28.8 0.0 58.0





#79
tert-butylbenzene
Concen: 21.198 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

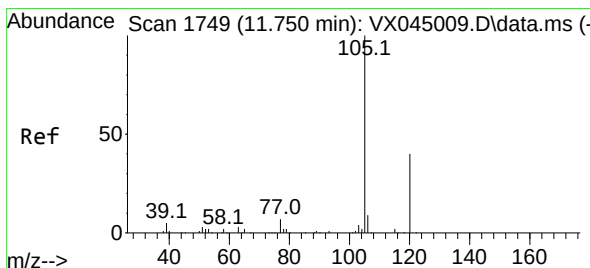
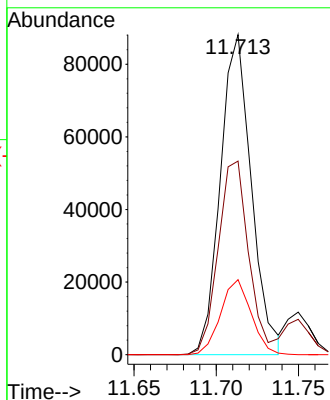
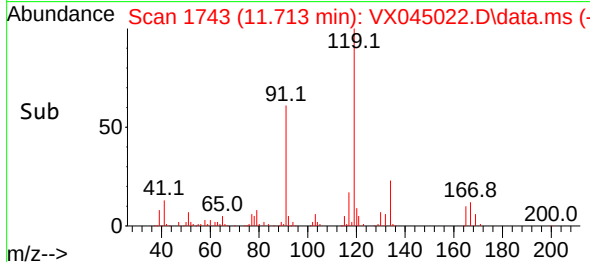
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 115750
Ion Ratio Lower Upper
119 100
91 59.0 0.0 120.6
134 23.1 0.0 48.2

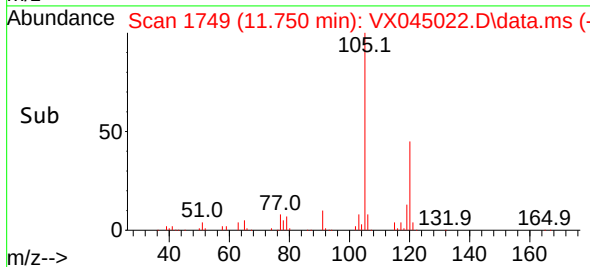
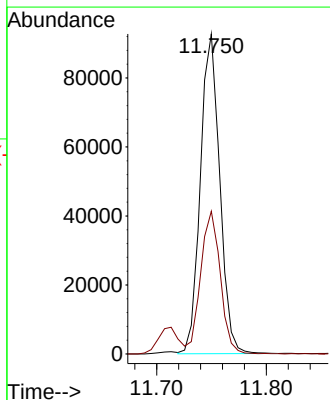
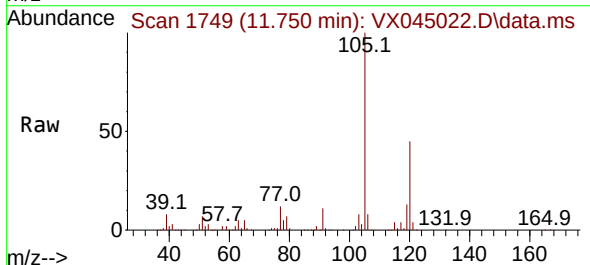
Manual Integrations
APPROVED

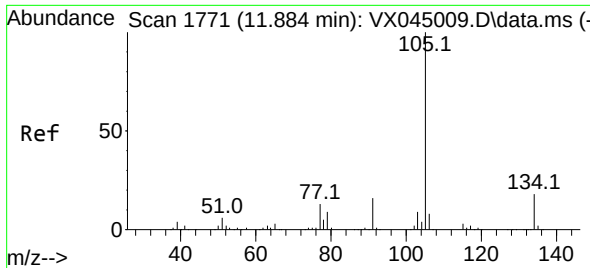
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

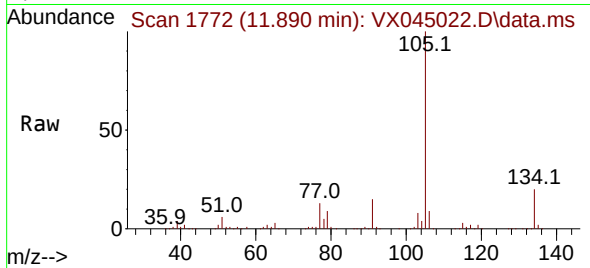
Tgt Ion:105 Resp: 113697
Ion Ratio Lower Upper
105 100
120 45.2 0.0 88.4





#81
 sec-Butylbenzene
 Concen: 20.954 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.006 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16

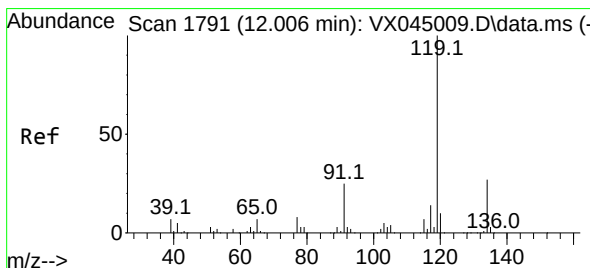
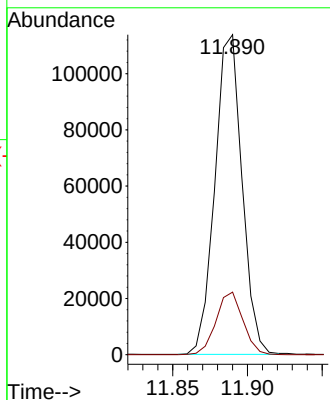
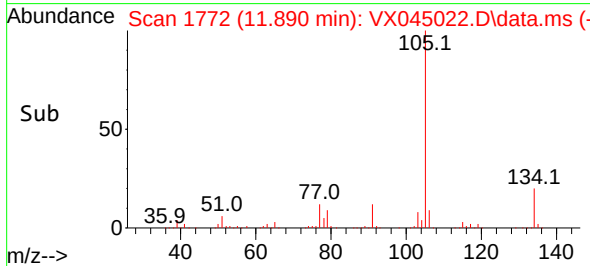
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020



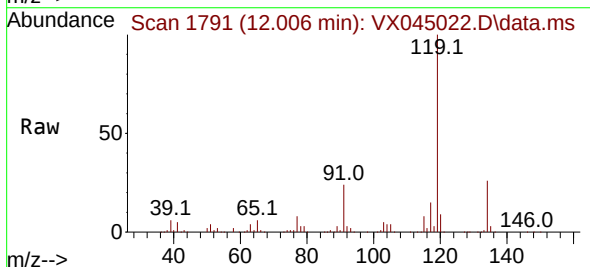
Tgt Ion:105 Resp: 14360
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.0

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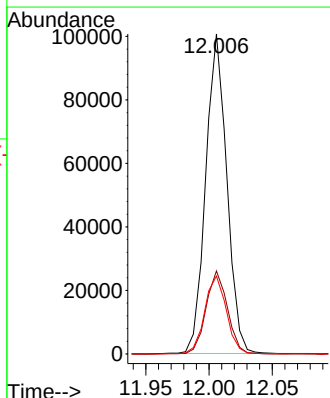
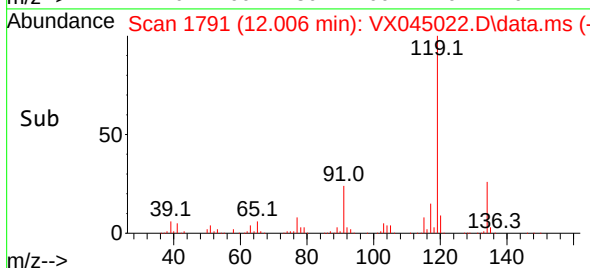
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025

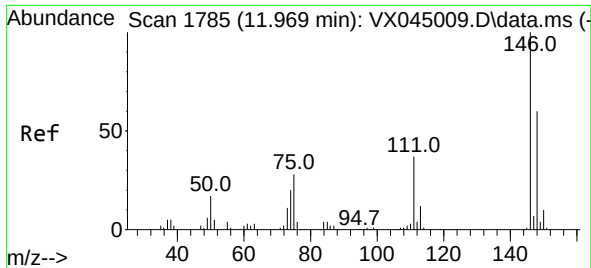


#82
 p-Isopropyltoluene
 Concen: 21.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16



Tgt Ion:119 Resp: 116616
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 24.8 0.0 51.0





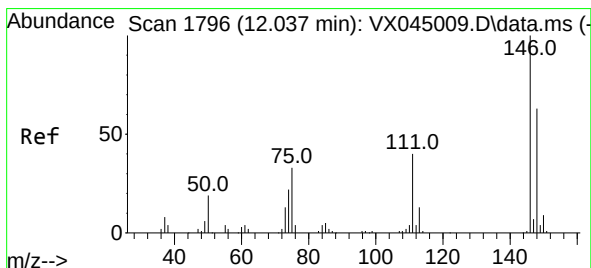
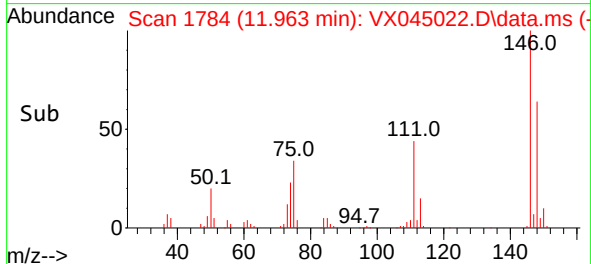
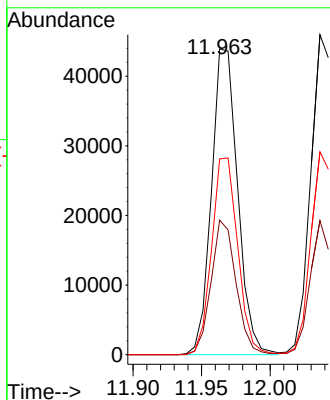
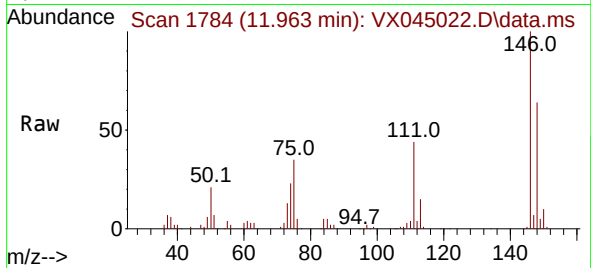
#83
1,3-Dichlorobenzene
Concen: 20.760 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 5841
Ion Ratio Lower Upper
146 100
111 42.1 20.2 60.5
148 64.1 31.2 93.6

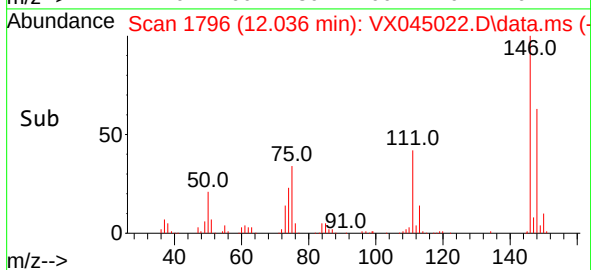
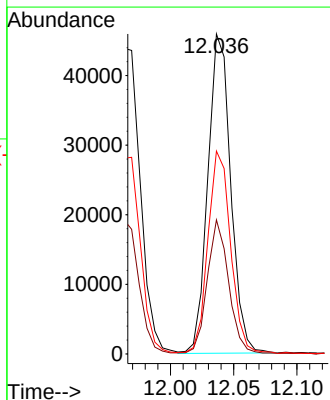
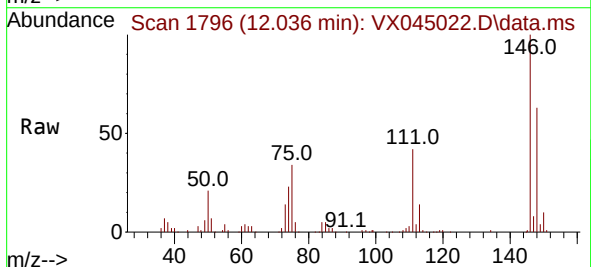
Manual Integrations
APPROVED

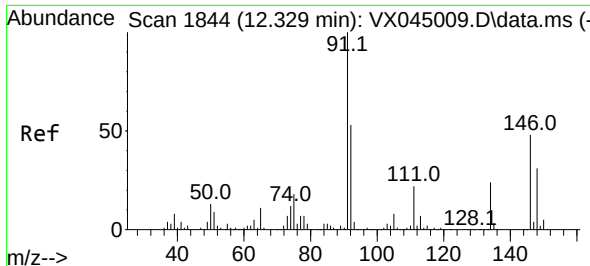
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#84
1,4-Dichlorobenzene
Concen: 20.768 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

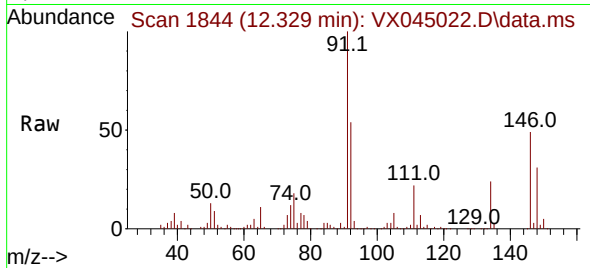
Tgt Ion:146 Resp: 57620
Ion Ratio Lower Upper
146 100
111 39.7 20.4 61.2
148 63.7 31.8 95.4





#85
n-Butylbenzene
Concen: 20.691 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

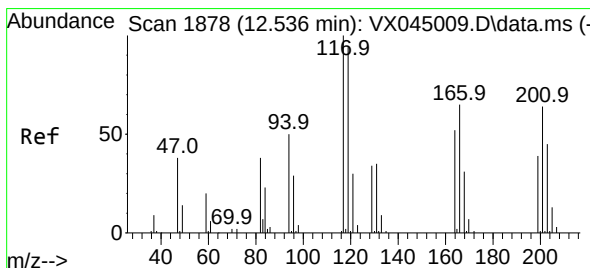
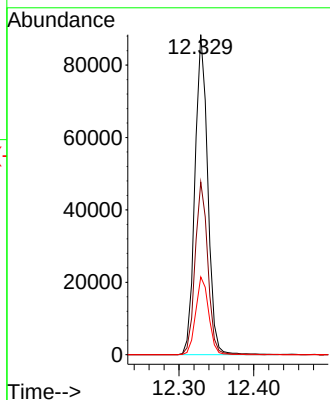
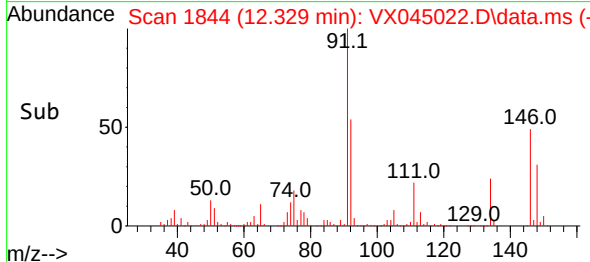
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 91 Resp: 104924
Ion Ratio Lower Upper
91 100
92 53.2 0.0 105.2
134 24.7 0.0 49.4

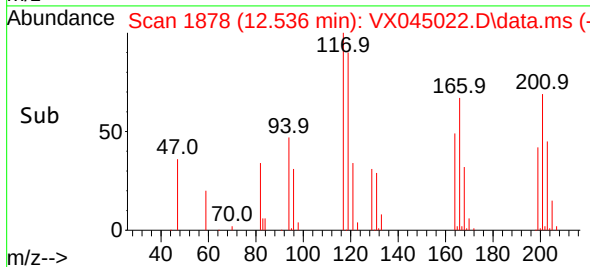
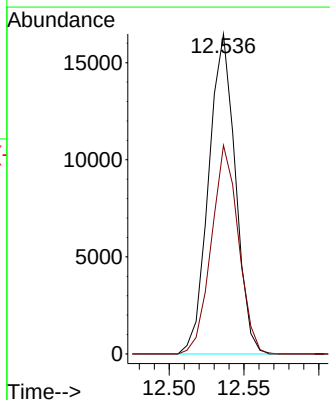
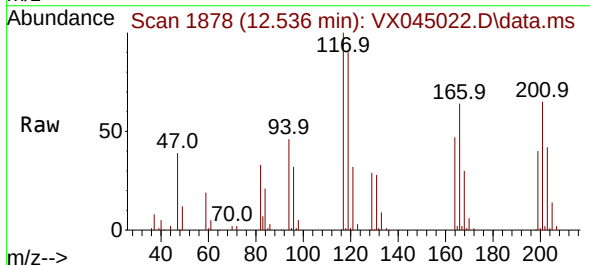
Manual Integrations
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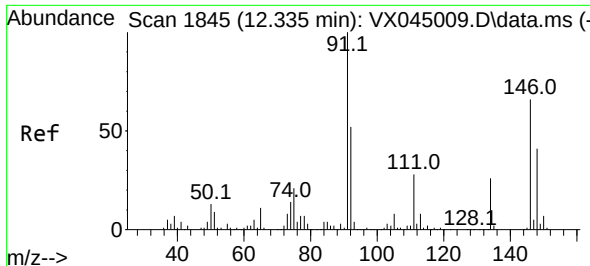
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#86
Hexachloroethane
Concen: 20.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

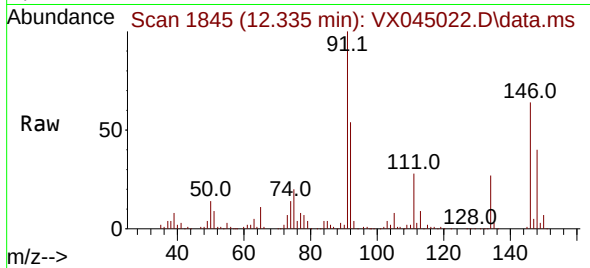
Tgt Ion:117 Resp: 20463
Ion Ratio Lower Upper
117 100
201 66.0 32.6 97.7





#87
1,2-Dichlorobenzene
Concen: 21.116 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

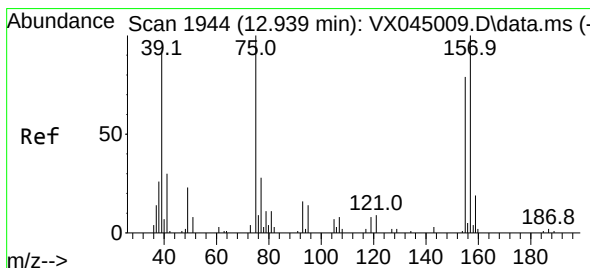
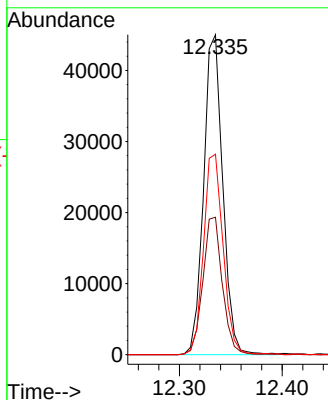
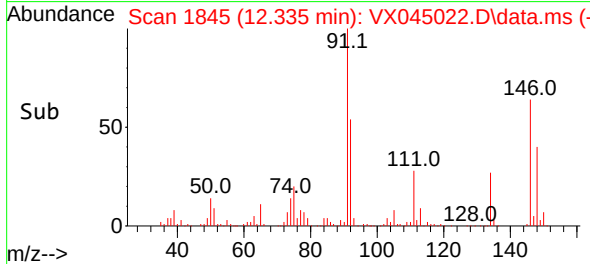
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 58299
Ion Ratio Lower Upper
146 100
111 43.8 21.7 65.1
148 64.0 31.8 95.4

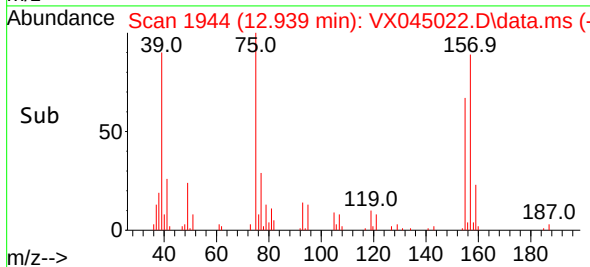
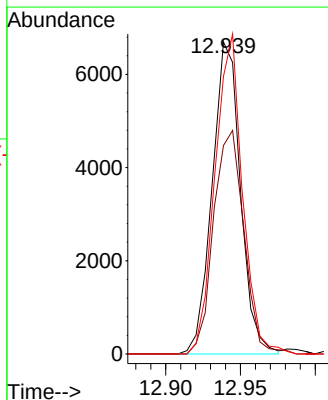
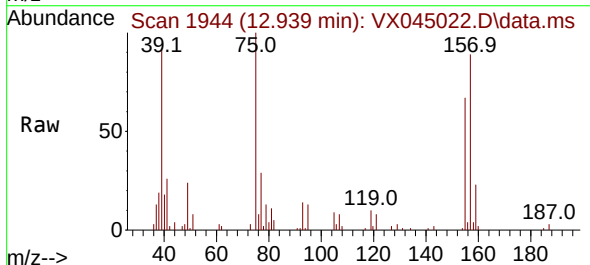
Manual Integrations
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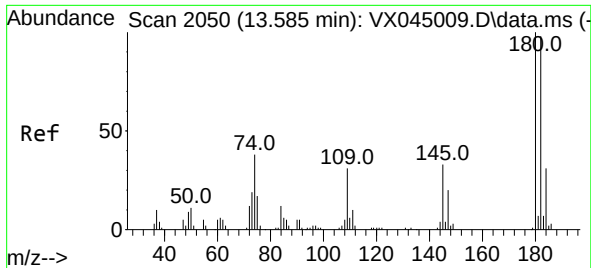
Reviewed By :John Carlone 02/25/2025
Supervised By :Mahesh Dadoda 02/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 21.051 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

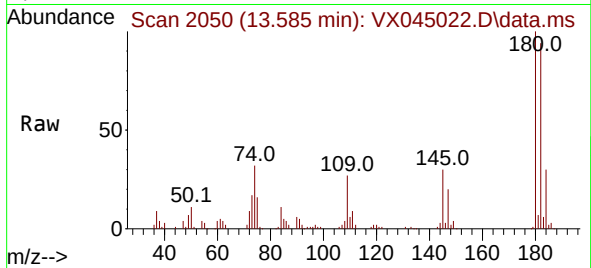
Tgt Ion: 75 Resp: 8805
Ion Ratio Lower Upper
75 100
155 76.7 66.2 99.4
157 99.5 81.4 122.2





#89
 1,2,4-Trichlorobenzene
 Concen: 20.945 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16

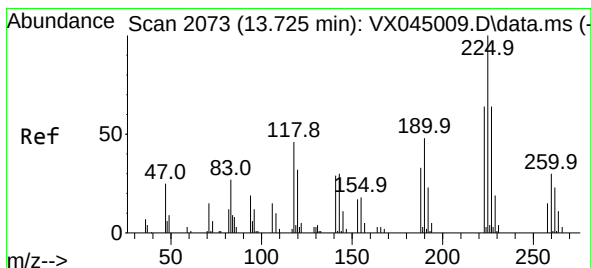
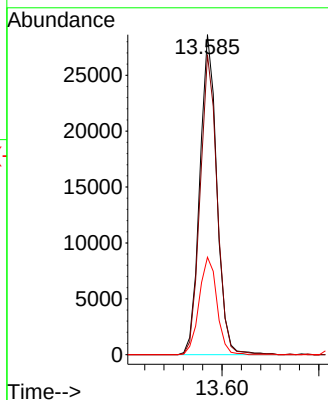
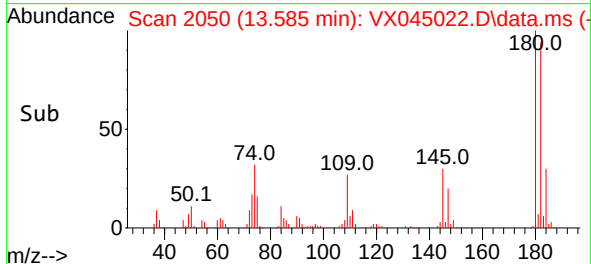
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020



Tgt Ion:180 Resp: 35049
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.7 116.5
 145 31.7 25.8 38.6

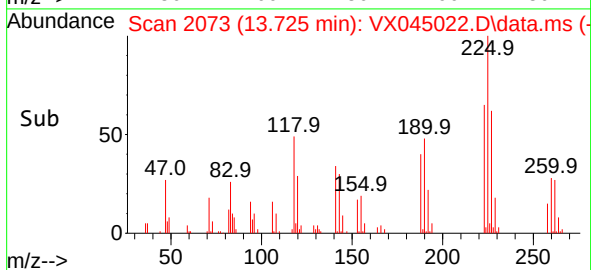
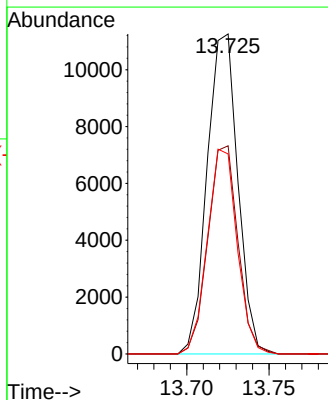
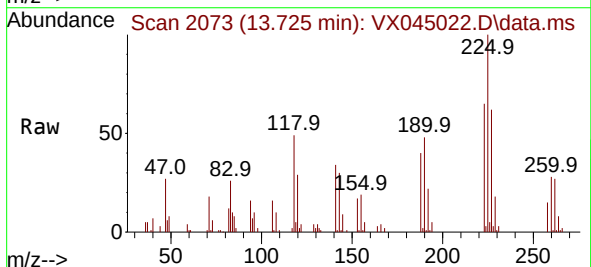
Manual Integrations
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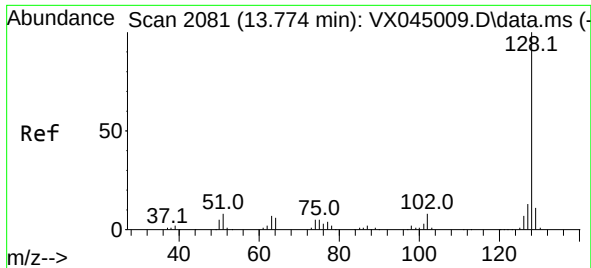
Reviewed By :John Carlone 02/25/2025
 Supervised By :Mahesh Dadoda 02/25/2025



#90
 Hexachlorobutadiene
 Concen: 21.465 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: VX045022.D
 Acq: 24 Feb 2025 10:16

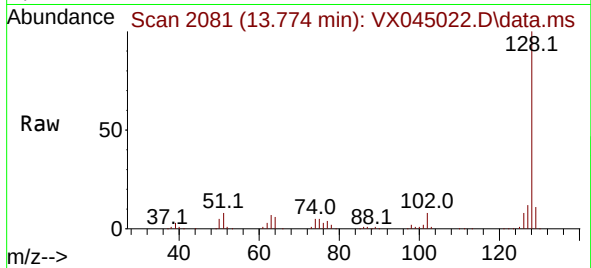
Tgt Ion:225 Resp: 14648
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 123.4
 227 62.1 0.0 127.4





#91
Naphthalene
Concen: 20.836 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16

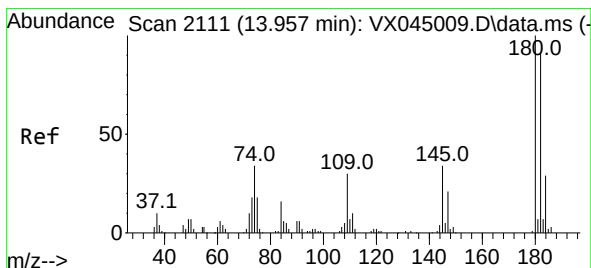
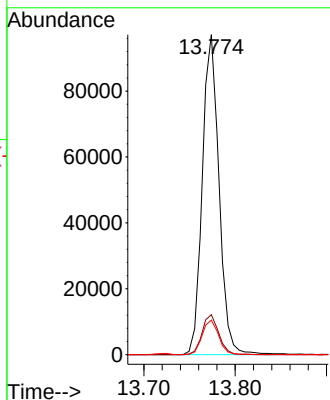
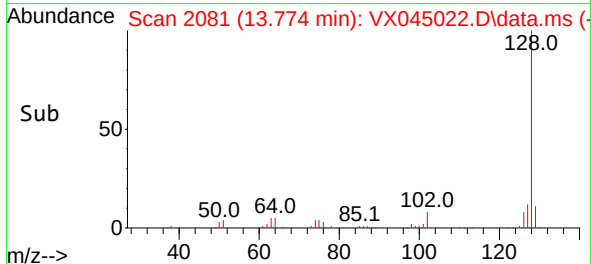
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



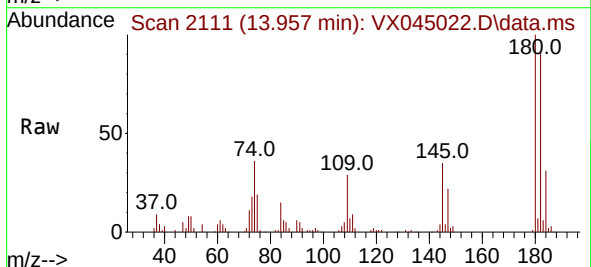
Tgt Ion:128 Resp: 12294
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.6 8.7 13.1

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: 20.608 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045022.D
Acq: 24 Feb 2025 10:16



Tgt Ion:180 Resp: 35502
Ion Ratio Lower Upper
180 100
182 91.9 0.0 186.6
145 34.0 0.0 68.4

