

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063220.D
 Acq On : 10 Feb 2025 13:23
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 03:57:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 03:56:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	51567	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16040	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16904	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	18689	1.115	ug/l	97
3) Chloromethane	1.518	50	20645	1.070	ug/l	98
4) Vinyl Chloride	1.599	62	20135	1.055	ug/l	99
5) Bromomethane	1.846	94	10384	1.176	ug/l	96
6) Chloroethane	1.924	64	13381	1.113	ug/l	95
7) Trichlorofluoromethane	2.129	101	24378	1.078	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	14009	1.091	ug/l	98
9) 1,1-Dichloroethene	2.570	96	14118	1.079	ug/l	97
10) Iodomethane	2.711	142	21185	1.030	ug/l	98
11) Allyl Chloride	2.914	41	20123	1.071	ug/l	97
12) Acrylonitrile	3.322	53	5799	1.950	ug/l	99
13) Acetone	2.618	43	12193	5.255	ug/l	98
14) Carbon Disulfide	2.782	76	48738	1.065	ug/l	99
15) Methylene Chloride	3.033	84	17173	1.063	ug/l	95
16) trans-1,2-Dichloroethene	3.345	96	15731	1.054	ug/l	98
17) 1,1-Dichloroethane	3.856	63	30538	1.085	ug/l	98
18) 2-Butanone	4.711	43	18530m	4.944	ug/l	
19) Cyclohexane	5.374	56	21832m	0.965	ug/l	
20) Methylcyclohexane	6.753	83	23086	1.029	ug/l	99
21) 2,2-Dichloropropane	4.650	77	23852	1.086	ug/l	98
22) cis-1,2-Dichloroethene	4.657	96	17134	1.062	ug/l	98
23) Diethyl Ether	2.367	59	11921	1.062	ug/l	95
24) tert-Butyl Alcohol	3.165	59	19963	11.656	ug/l #	89
25) Methyl tert-Butyl Ether	3.351	73	33609	1.029	ug/l	98
26) Bromochloromethane	4.962	128	7742	1.098	ug/l	96
27) Chloroform	5.075	83	30302	1.067	ug/l	94
28) 1,1,1-Trichloroethane	5.300	97	24038	1.045	ug/l	96
29) 1,1-Dichloropropene	5.518	75	21427	1.040	ug/l	99
30) Carbon Tetrachloride	5.512	117	21505	1.090	ug/l	90
31) Isopropyl Ether	3.978	45	40509	1.008	ug/l	96
32) Ethyl-t-butyl ether	4.486	59	35372	0.968	ug/l	98
33) Tert-Amyl methyl ether	5.927	73	31129	0.975	ug/l	99
34) Propionitrile	4.782	54	5038m	4.335	ug/l	
35) Benzene	5.766	78	65980	1.041	ug/l	99
36) 1,2-Dichloroethane	5.788	62	19157	1.048	ug/l	97
37) Trichloroethene	6.534	130	16013	1.063	ug/l	97
38) 1,2-Dichloropropane	6.782	63	17158	1.035	ug/l	93
39) Methacrylonitrile	4.978	41	3478	0.838	ug/l #	84
40) Methyl acrylate	4.866	55	7528m	0.993	ug/l	
41) Tetrahydrofuran	5.049	42	4693	1.924	ug/l	91
42) 1-Chlorobutane	5.448	56	28598	1.014	ug/l	99
43) Dibromomethane	6.907	93	8944	1.065	ug/l	93
44) Bromodichloromethane	7.094	83	20720	1.060	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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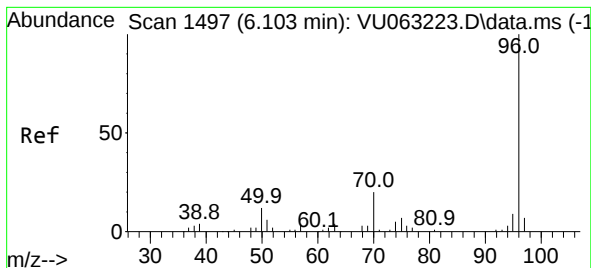
Manual Integrations
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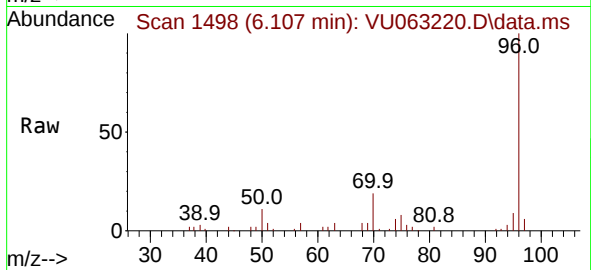
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	39981	4.541	ug/l	96
46) t-1,4-Dichloro-2-butene	10.820	75	8630m	1.981	ug/l	
47) Methyl methacrylate	6.956	69	12987	1.836	ug/l	98
48) Ethyl methacrylate	8.328	69	11711	0.882	ug/l	100
49) Toluene	7.962	92	36357	0.998	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	17681	0.988	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	22033	0.997	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	11610	1.025	ug/l	97
53) 1,3-Dichloropropane	8.566	76	21023	1.046	ug/l	99
54) 2-Hexanone	8.679	43	28078m	4.673	ug/l	
55) Dibromochloromethane	8.801	129	13259	1.018	ug/l	98
56) 1,2-Dibromoethane	8.917	107	10628	1.001	ug/l	94
58) Tetrachloroethene	8.544	164	13296	1.071	ug/l	95
59) Chlorobenzene	9.441	112	38774	1.008	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	14393	1.041	ug/l	99
61) Pentachloroethane	11.418	117	12686	1.027	ug/l	94
62) Hexachloroethane	12.463	117	11074	1.014	ug/l	93
63) Ethyl Benzene	9.560	91	63398	0.956	ug/l	99
64) m/p-Xylenes	9.685	106	45748	1.847	ug/l	99
65) o-Xylene	10.090	106	23138	0.954	ug/l	100
66) Styrene	10.110	104	34785	0.901	ug/l	99
67) Bromoform	10.280	173	7192	0.973	ug/l #	97
69) Isopropylbenzene	10.473	105	53372	0.936	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	15680	1.027	ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	11462m	0.991	ug/l	
72) Bromobenzene	10.775	156	15611	1.016	ug/l	95
73) n-propylbenzene	10.898	120	14761	0.904	ug/l	95
74) 2-Chlorotoluene	10.975	126	14317	0.952	ug/l	95
75) 1,3,5-Trimethylbenzene	11.078	105	48403	0.916	ug/l	99
76) 4-Chlorotoluene	11.090	126	15039	0.975	ug/l	89
77) tert-Butylbenzene	11.409	119	50914	0.953	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	46689	0.891	ug/l	100
79) sec-Butylbenzene	11.634	105	63226	0.930	ug/l	99
80) Nitrobenzene	13.232	77	1014	5.911	ug/l #	57
81) p-Isopropyltoluene	11.785	119	48578	0.905	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	28406	0.953	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	26529	0.910	ug/l	94
84) n-Butylbenzene	12.200	91	42404	0.876	ug/l	97
85) 1,2-Dichlorobenzene	12.203	146	27742	0.969	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	2103	0.982	ug/l	89
87) 1,2,4-Trichlorobenzene	13.836	180	12695	0.909	ug/l	99
88) Hexachlorobutadiene	14.010	225	10179	1.020	ug/l	97
89) Naphthalene	14.090	128	17271	1.192	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	12218	0.894	ug/l	96

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1497
Delta R.T. 0.004 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

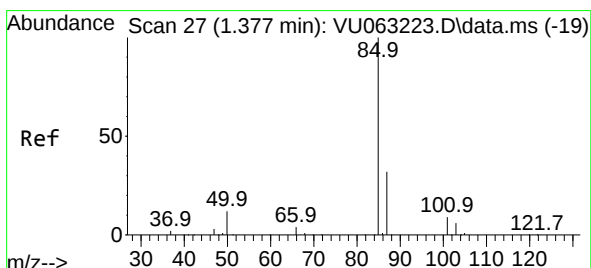
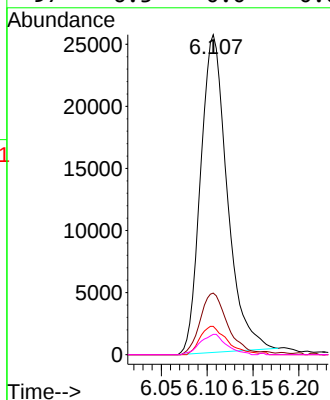
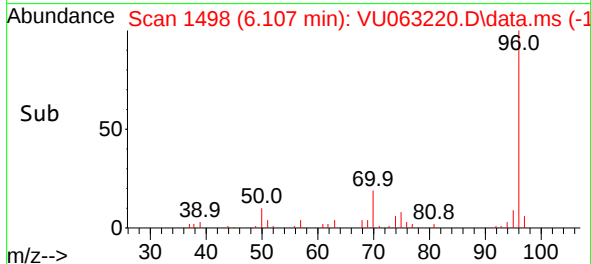
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 96 Resp: 5156
Ion Ratio Lower Upper
96 100
70 18.8 15.6 23.4
95 9.2 7.3 10.9
97 6.3 0.0 0.0#

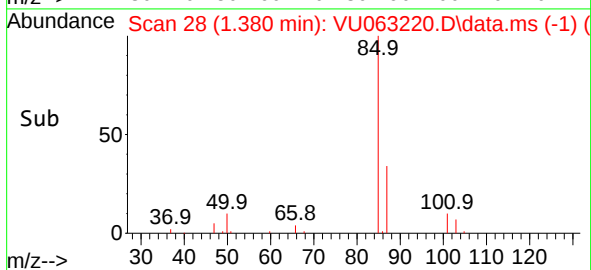
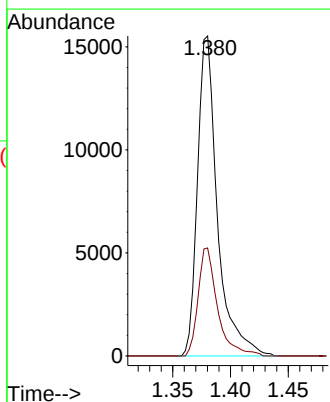
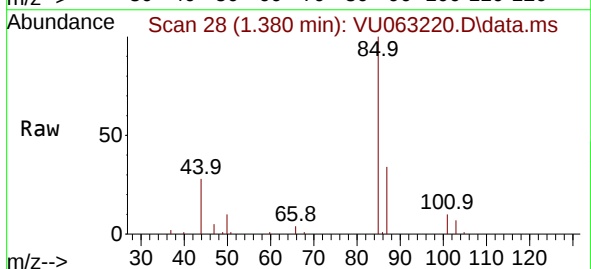
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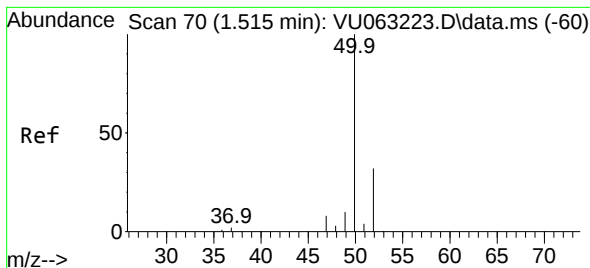
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#2
Dichlorodifluoromethane
Concen: 1.115 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 85 Resp: 18689
Ion Ratio Lower Upper
85 100
87 33.8 16.0 48.0





#3

Chloromethane

Concen: 1.070 ug/l

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 50 Resp: 2064

Ion Ratio Lower Upper

50 100

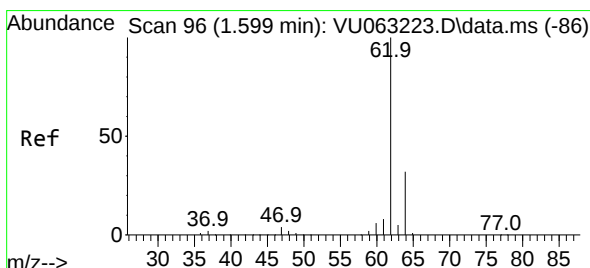
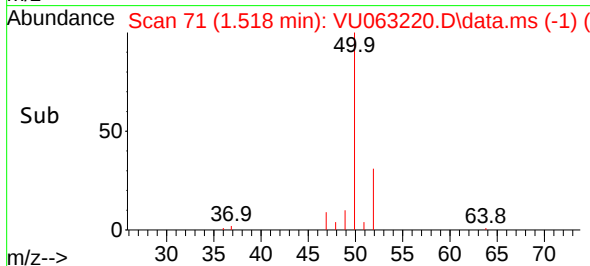
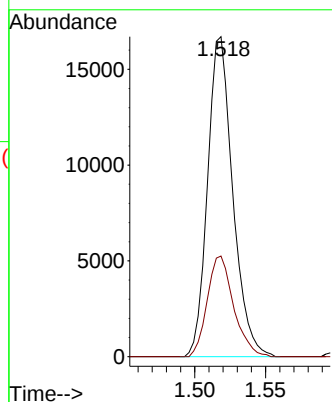
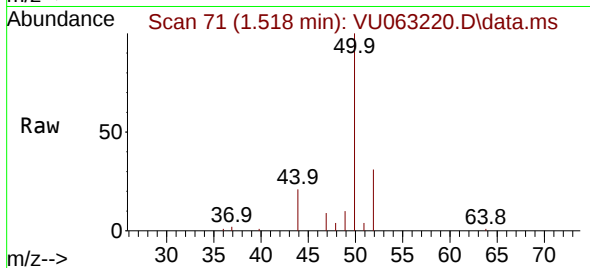
52 31.5 25.8 38.8

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#4

Vinyl Chloride

Concen: 1.055 ug/l

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063220.D

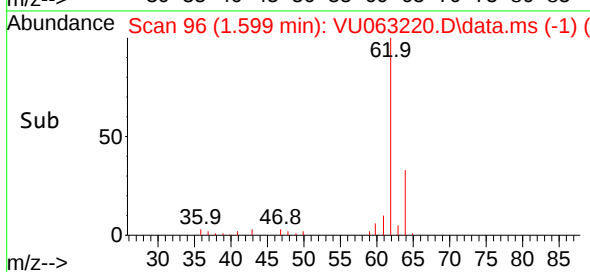
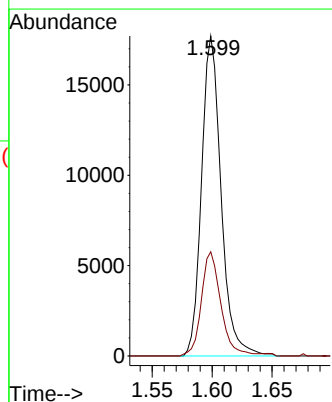
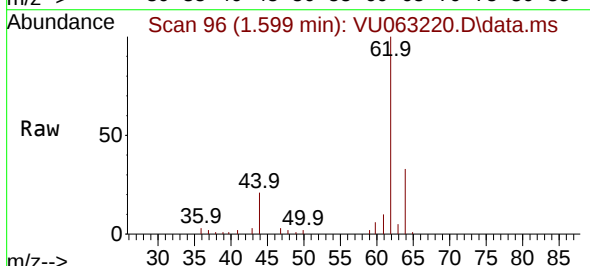
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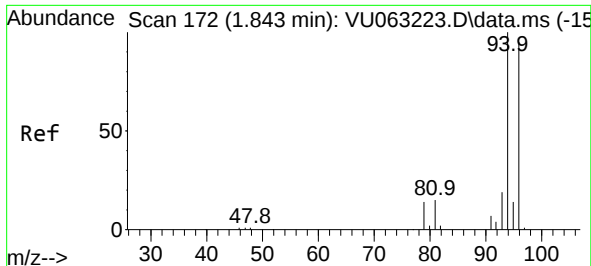
Tgt Ion: 62 Resp: 20135

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 1.176 ug/l

RT: 1.846 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 10384

Ion Ratio Lower Upper

94 100

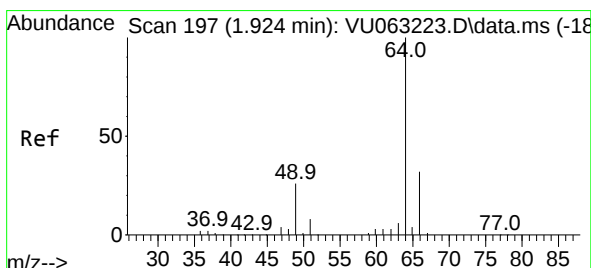
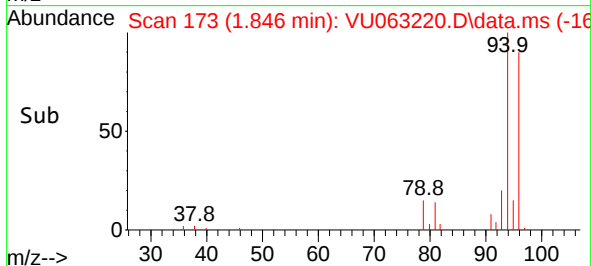
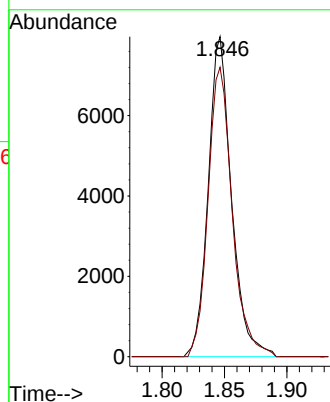
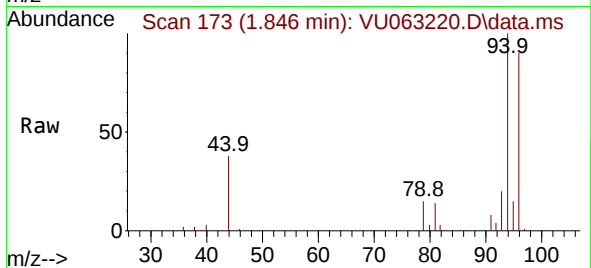
96 90.4 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 1.113 ug/l

RT: 1.924 min Scan# 197

Delta R.T. 0.000 min

Lab File: VU063220.D

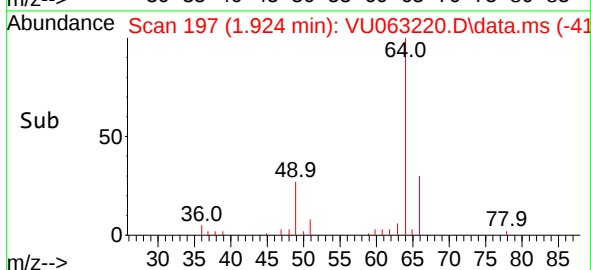
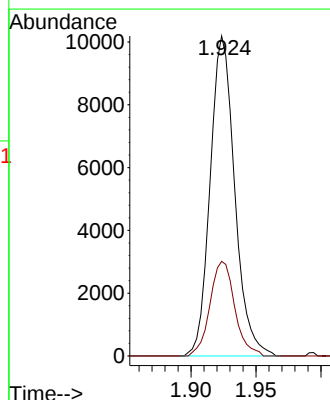
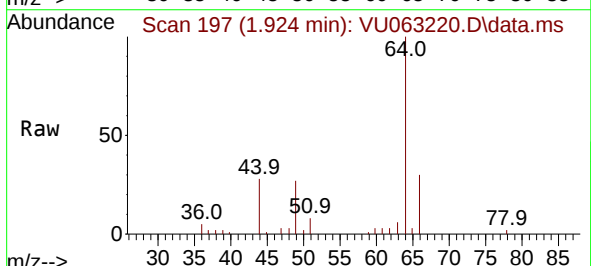
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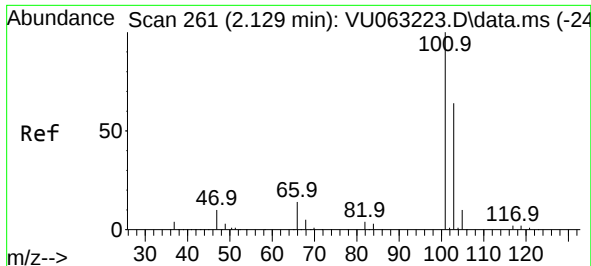
Tgt Ion: 64 Resp: 13381

Ion Ratio Lower Upper

64 100

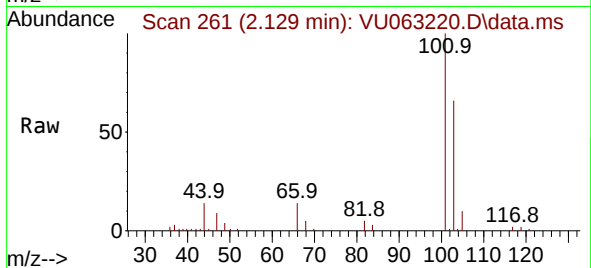
66 29.6 25.8 38.8





#7
 Trichlorofluoromethane
 Concen: 1.078 ug/l
 RT: 2.129 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

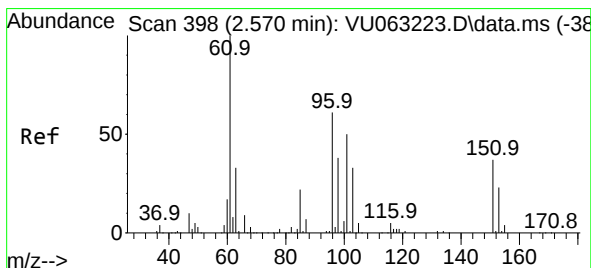
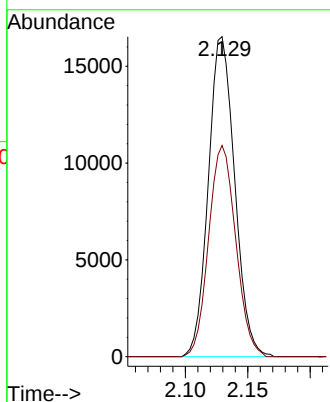
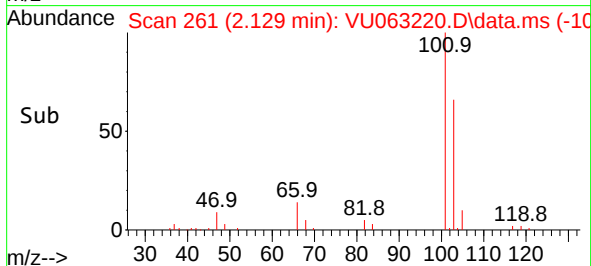
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001



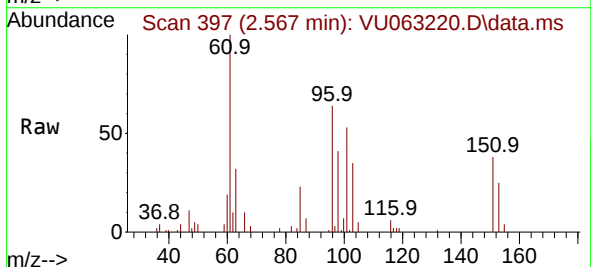
Tgt Ion:101 Resp: 24378
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.4 77.2

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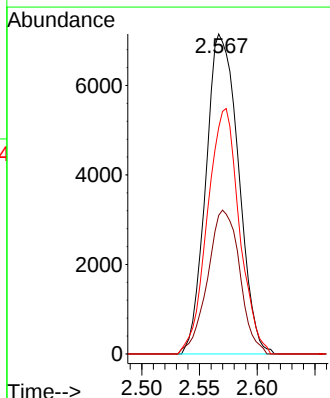
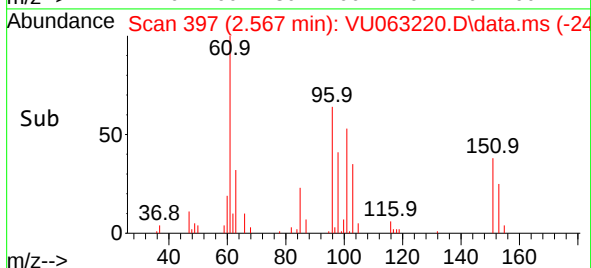
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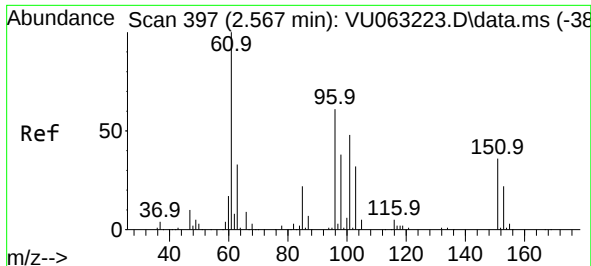


#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.091 ug/l
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23



Tgt Ion:101 Resp: 14009
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.4 53.0
 151 75.2 58.5 87.7





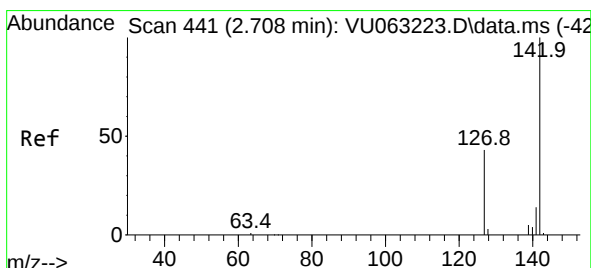
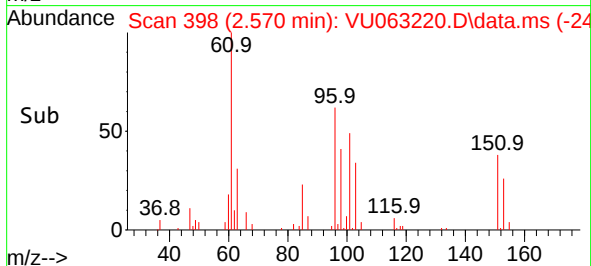
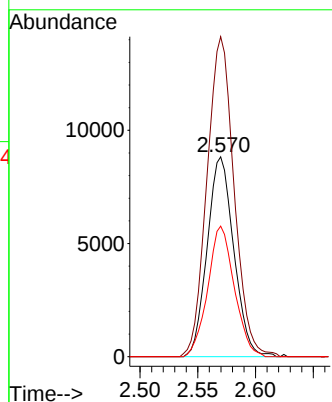
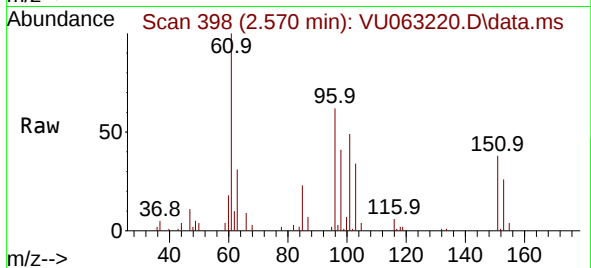
#9
1,1-Dichloroethene
Concen: 1.079 ug/l
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
Client Sample Id :
VSTDIC001

Tgt Ion: 96 Resp: 14118
Ion Ratio Lower Upper
96 100
61 160.1 0.0 492.9
98 65.4 0.0 124.0

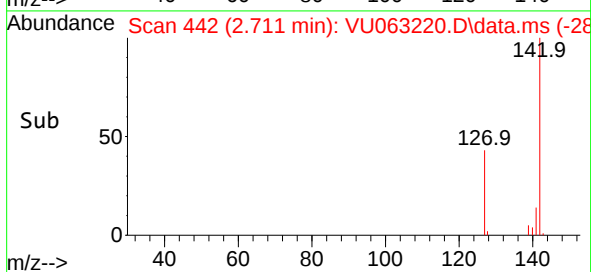
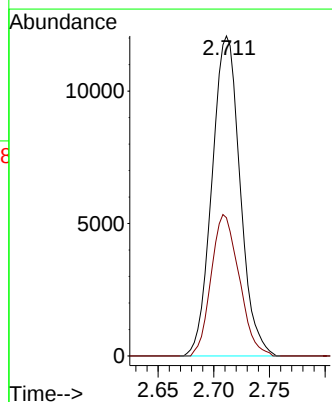
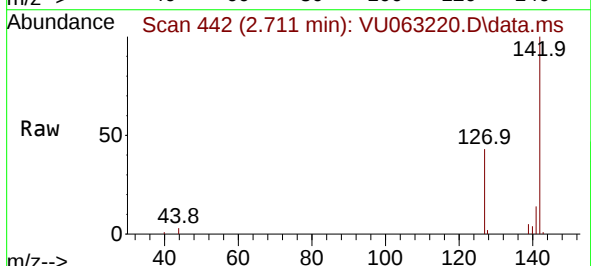
Manual Integrations
APPROVED

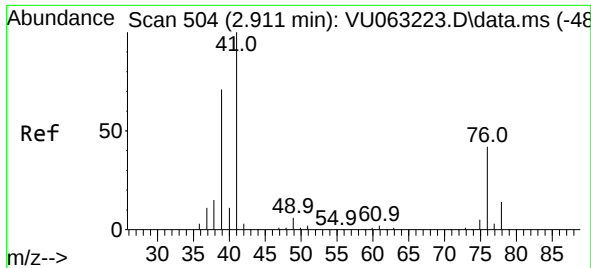
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#10
Iodomethane
Concen: 1.030 ug/l
RT: 2.711 min Scan# 442
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:142 Resp: 21185
Ion Ratio Lower Upper
142 100
127 44.1 34.5 51.7





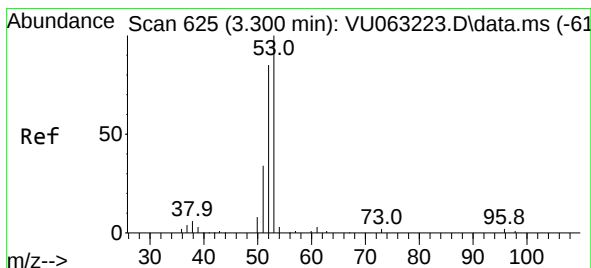
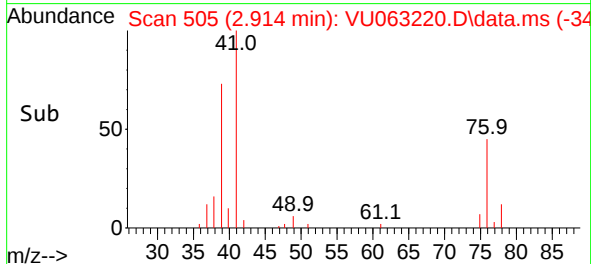
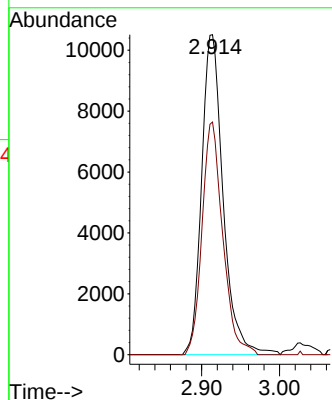
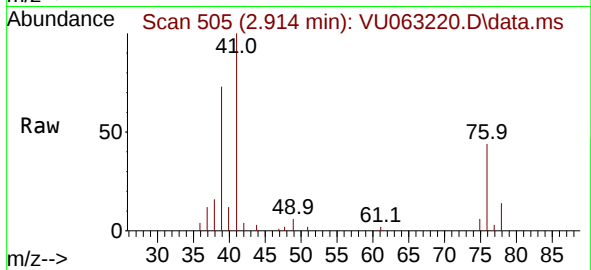
#11
 Allyl Chloride
 Concen: 1.071 ug/l
 RT: 2.914 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 2012
 Ion Ratio Lower Upper
 41 100
 39 70.1 57.9 86.9

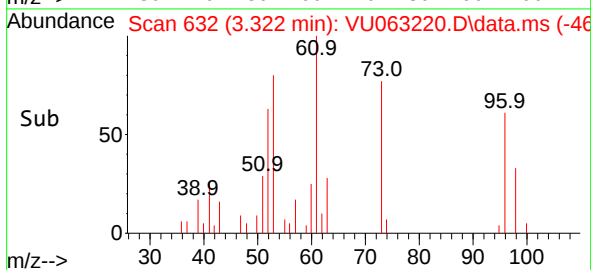
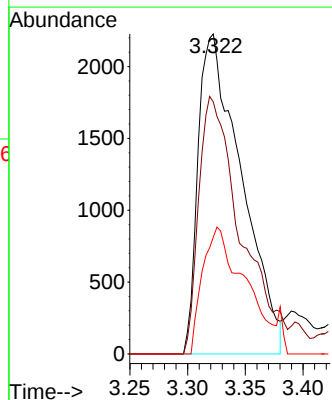
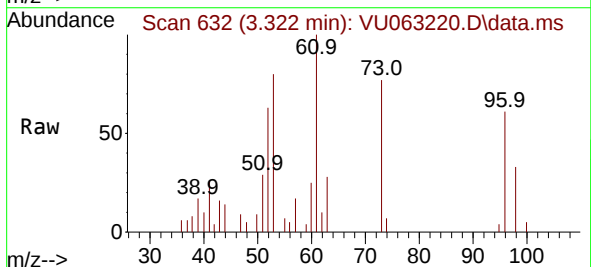
Manual Integrations
 APPROVED

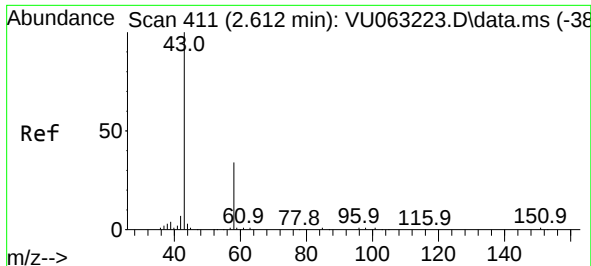
Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025



#12
 Acrylonitrile
 Concen: 1.950 ug/l
 RT: 3.322 min Scan# 632
 Delta R.T. 0.023 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

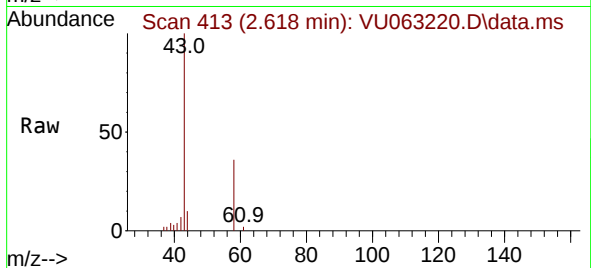
Tgt Ion: 53 Resp: 5799
 Ion Ratio Lower Upper
 53 100
 52 79.0 64.2 96.2
 51 38.4 30.8 46.2





#13
Acetone
Concen: 5.255 ug/l
RT: 2.618 min Scan# 411
Delta R.T. 0.006 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

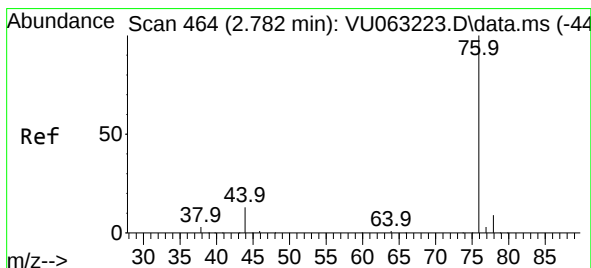
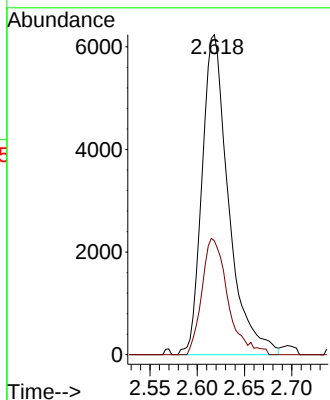
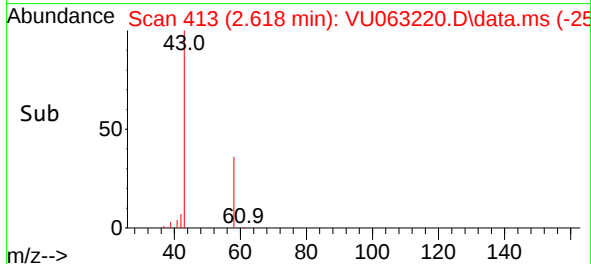
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 35.6 27.4 41.0

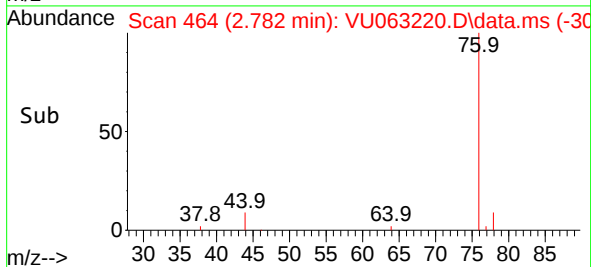
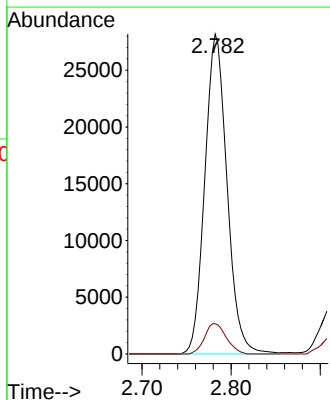
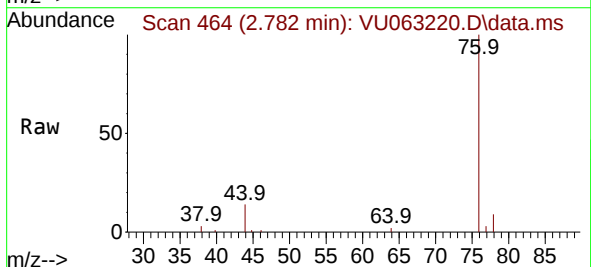
Manual Integrations
APPROVED

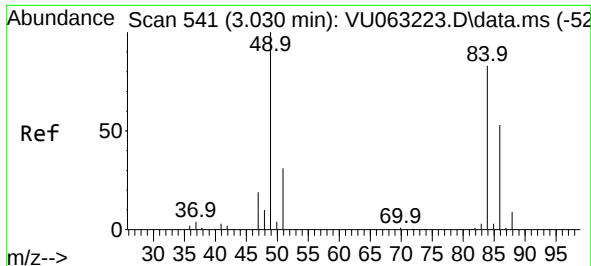
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#14
Carbon Disulfide
Concen: 1.065 ug/l
RT: 2.782 min Scan# 464
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

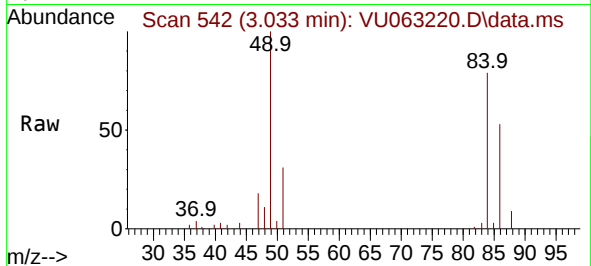
Tgt Ion: 76 Resp: 48738
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8





#15
Methylene Chloride
Concen: 1.063 ug/l
RT: 3.033 min Scan# 541
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

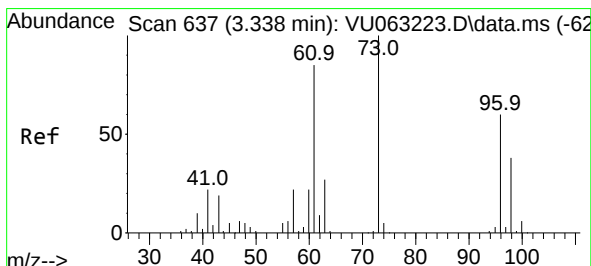
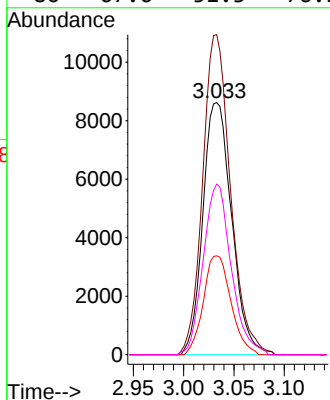
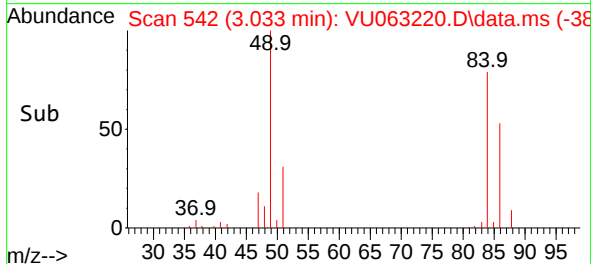
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



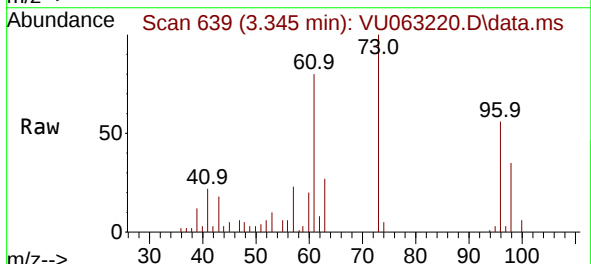
Tgt Ion: 84 Resp: 1717
Ion Ratio Lower Upper
84 100
49 126.9 96.4 144.6
51 39.2 0.0 74.8
86 67.6 51.3 76.9

Manual Integrations
APPROVED

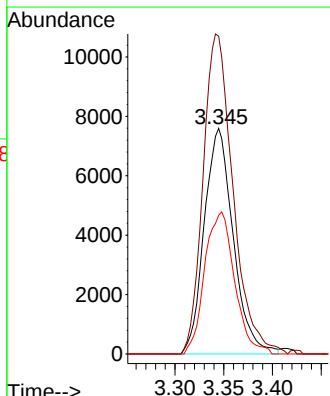
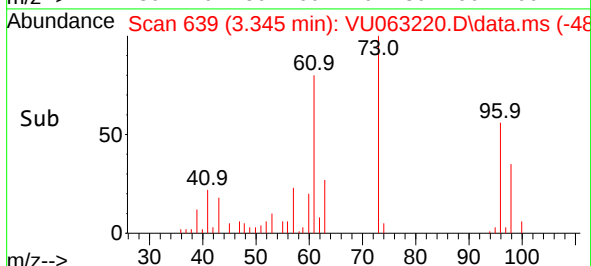
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

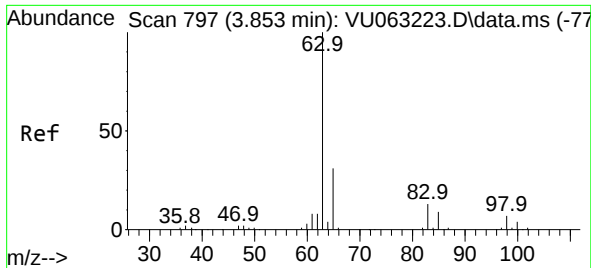


#16
trans-1,2-Dichloroethene
Concen: 1.054 ug/l
RT: 3.345 min Scan# 639
Delta R.T. 0.006 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion: 96 Resp: 15731
Ion Ratio Lower Upper
96 100
61 140.9 113.4 170.2
98 61.5 51.2 76.8





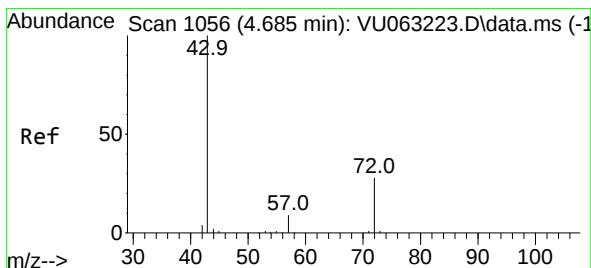
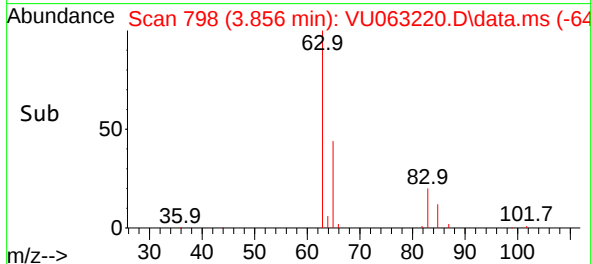
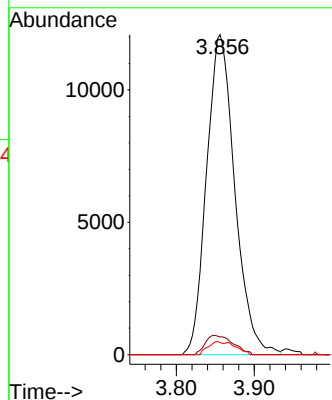
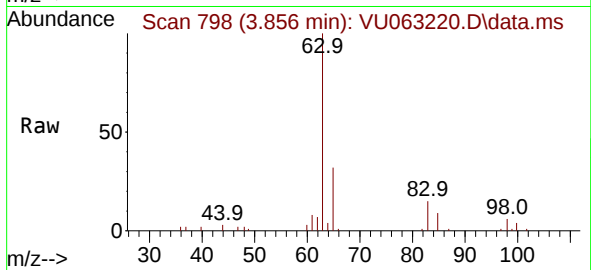
#17
1,1-Dichloroethane
Concen: 1.085 ug/l
RT: 3.856 min Scan# 797
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 63 Resp: 30538
Ion Ratio Lower Upper
63 100
98 5.6 3.3 9.9
100 3.8 2.1 6.2

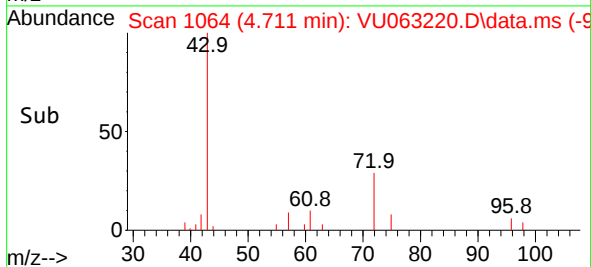
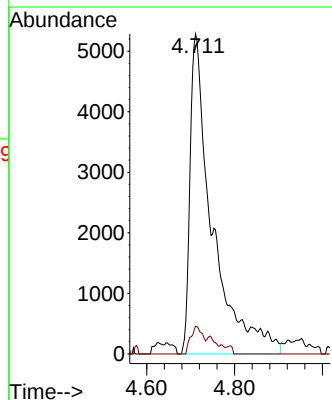
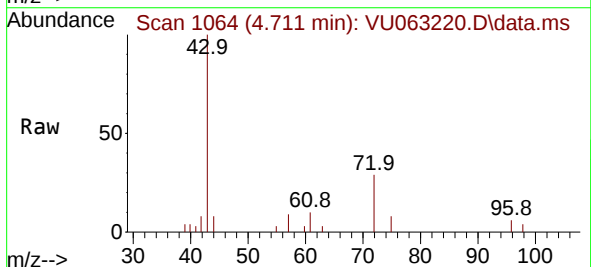
Manual Integrations
APPROVED

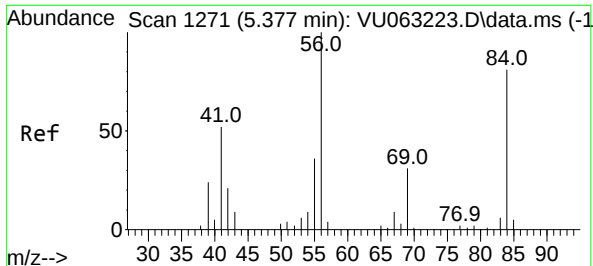
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#18
2-Butanone
Concen: 4.944 ug/l m
RT: 4.711 min Scan# 1064
Delta R.T. 0.026 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 43 Resp: 18530
Ion Ratio Lower Upper
43 100
57 8.7 0.0 17.0





#19

Cyclohexane

Concen: 0.965 ug/l m

RT: 5.374 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

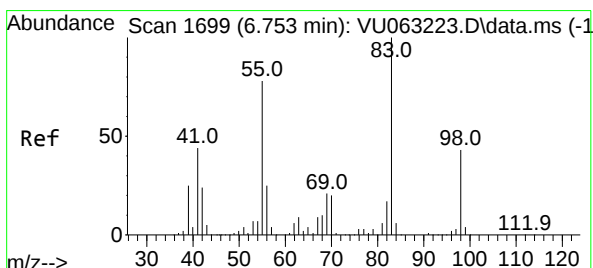
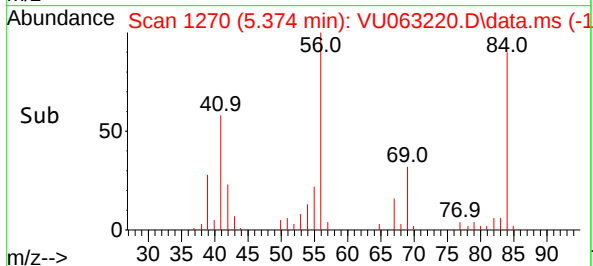
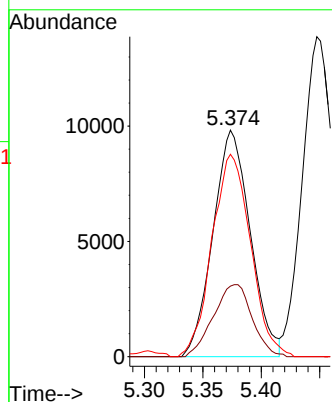
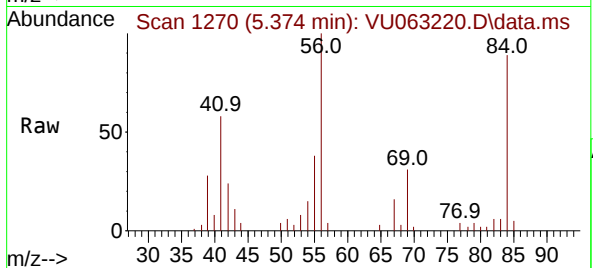
Tgt Ion:	56	Resp:	2183
Ion Ratio	Lower	Upper	
56	100		
69	33.0	24.5	36.7
84	92.3	65.2	97.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylcyclohexane

Concen: 1.029 ug/l

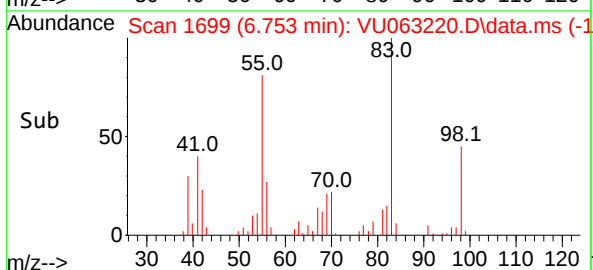
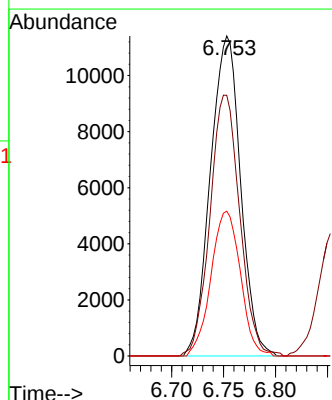
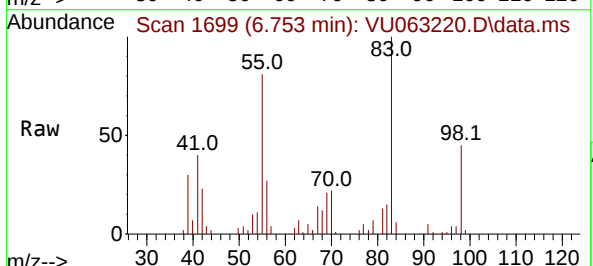
RT: 6.753 min Scan# 1699

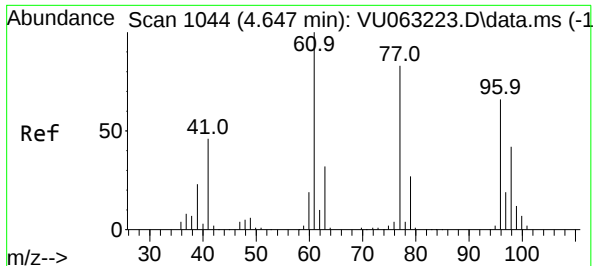
Delta R.T. 0.000 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Tgt Ion:	83	Resp:	23086
Ion Ratio	Lower	Upper	
83	100		
55	80.3	63.1	94.7
98	44.1	35.2	52.8





#21

2,2-Dichloropropane

Concen: 1.086 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 2385

Ion Ratio Lower Upper

77 100

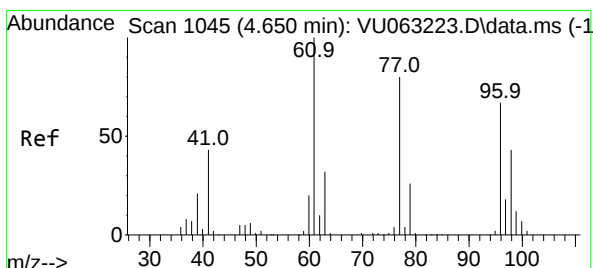
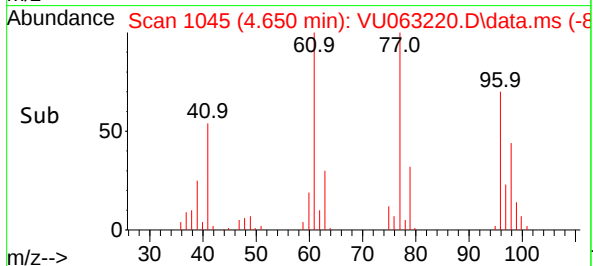
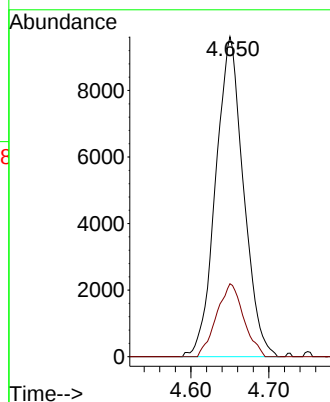
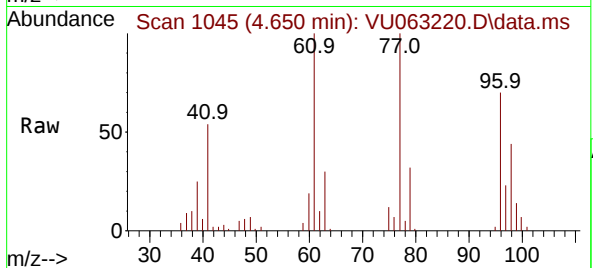
97 22.2 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#22

cis-1,2-Dichloroethene

Concen: 1.062 ug/l

RT: 4.657 min Scan# 1047

Delta R.T. 0.007 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

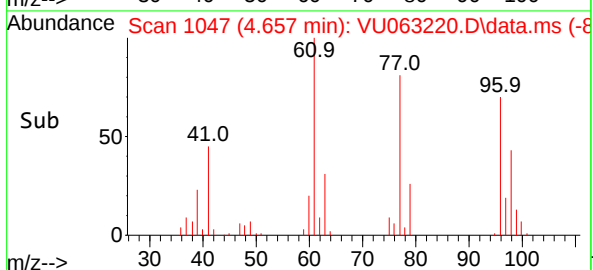
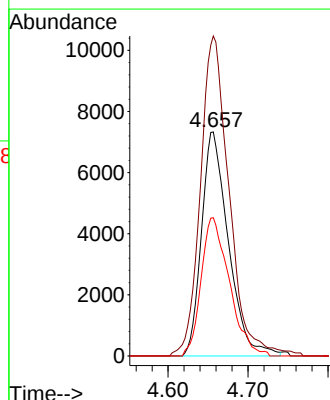
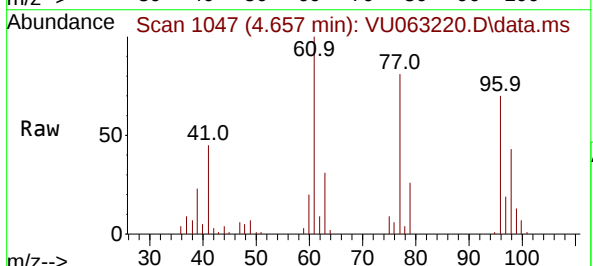
Tgt Ion: 96 Resp: 17134

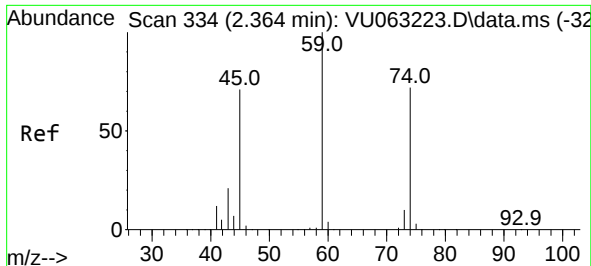
Ion Ratio Lower Upper

96 100

61 152.5 0.0 373.3

98 64.7 31.9 95.9





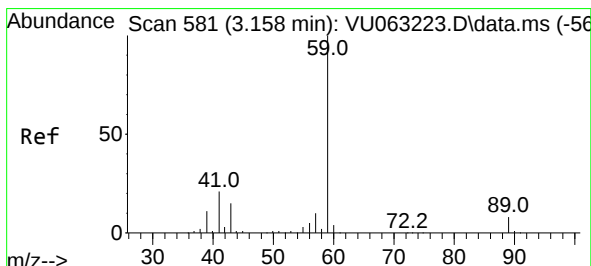
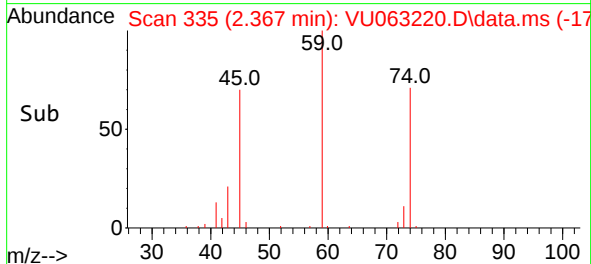
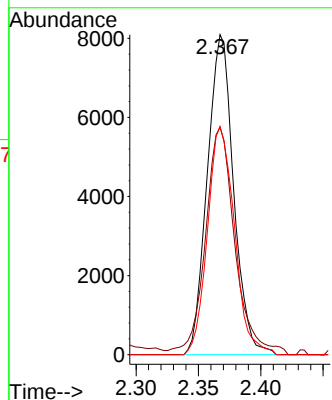
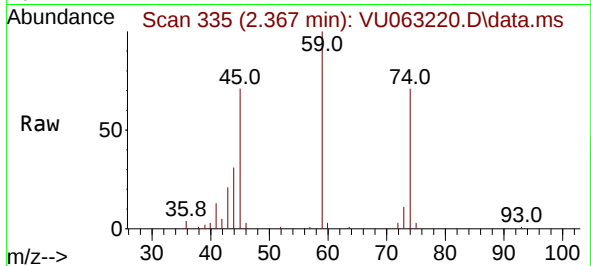
#23
Diethyl Ether
Concen: 1.062 ug/l
RT: 2.367 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1192
Ion Ratio Lower Upper
59 100
45 79.7 57.8 86.6
74 73.1 57.7 86.5

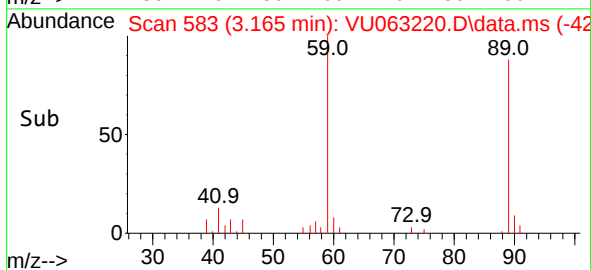
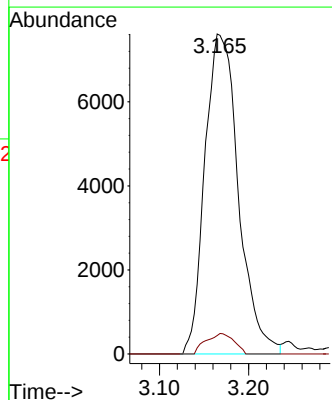
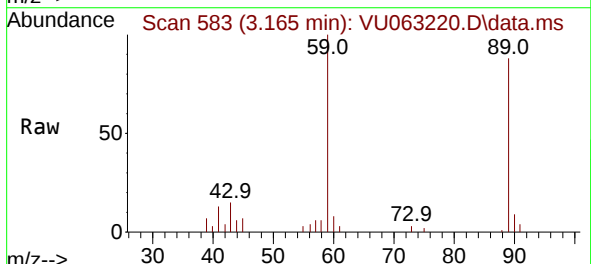
Manual Integrations
APPROVED

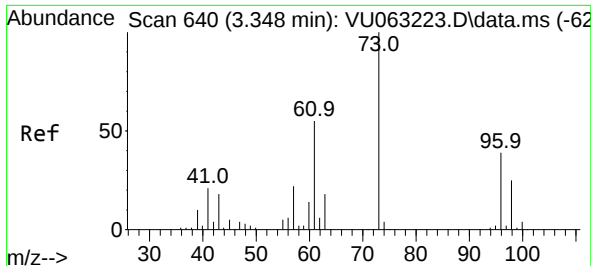
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#24
tert-Butyl Alcohol
Concen: 11.656 ug/l
RT: 3.165 min Scan# 583
Delta R.T. 0.007 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

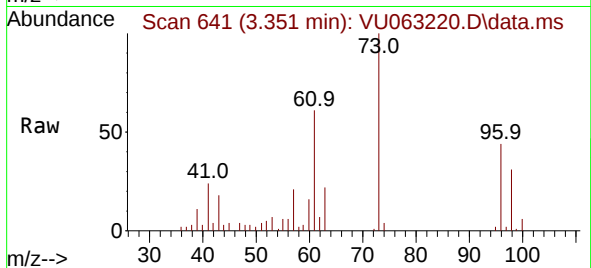
Tgt Ion: 59 Resp: 19963
Ion Ratio Lower Upper
59 100
57 5.3 7.5 11.3#





#25
Methyl tert-Butyl Ether
Concen: 1.029 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

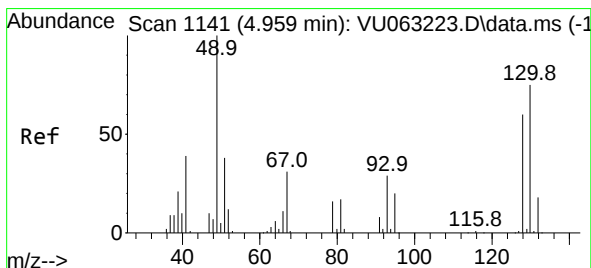
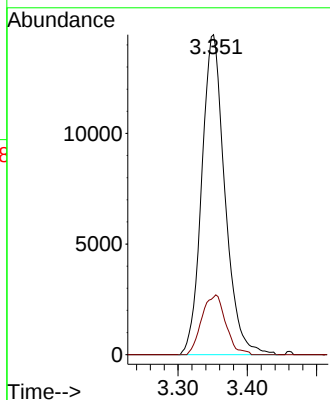
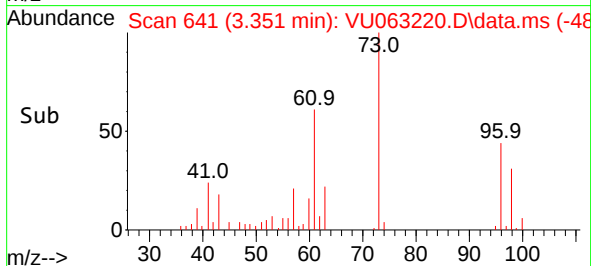
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 73 Resp: 33609
Ion Ratio Lower Upper
73 100
43 19.3 14.9 22.3

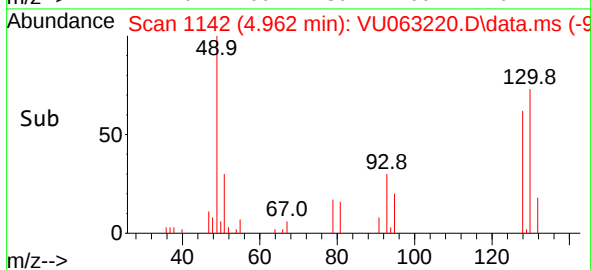
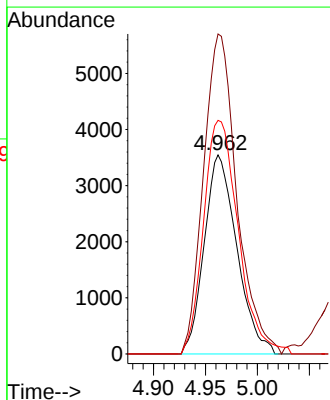
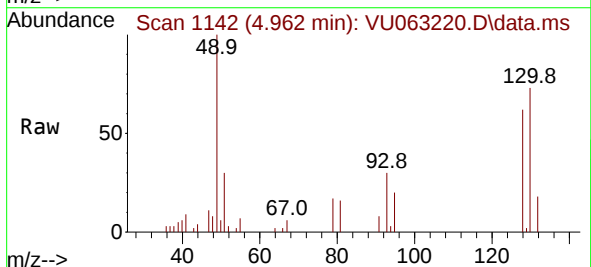
Manual Integrations
APPROVED

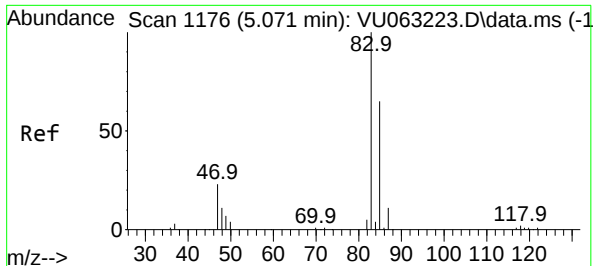
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#26
Bromochloromethane
Concen: 1.098 ug/l
RT: 4.962 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:128 Resp: 7742
Ion Ratio Lower Upper
128 100
49 164.2 0.0 343.4
130 125.4 102.9 154.3





#27

Chloroform

Concen: 1.067 ug/l

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 3030

Ion Ratio Lower Upper

83 100

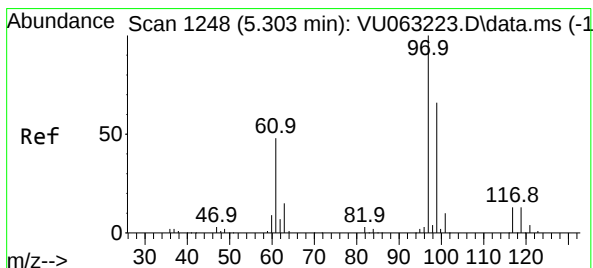
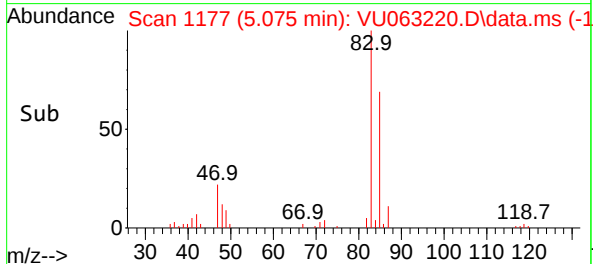
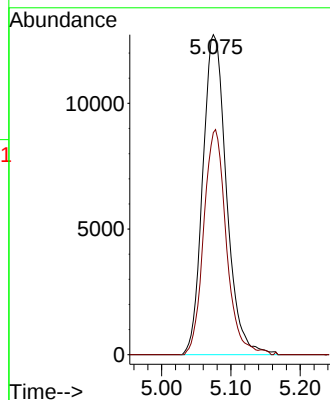
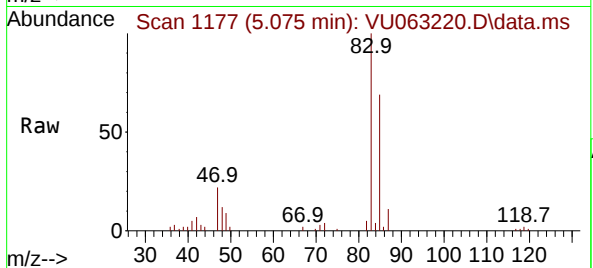
85 69.4 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

1,1,1-Trichloroethane

Concen: 1.045 ug/l

RT: 5.300 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

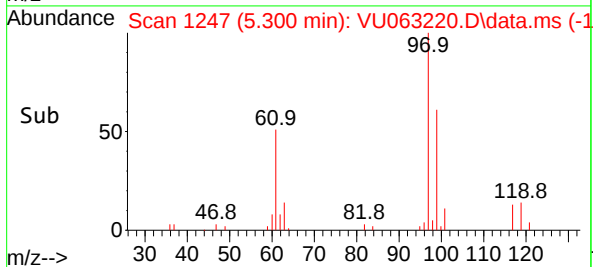
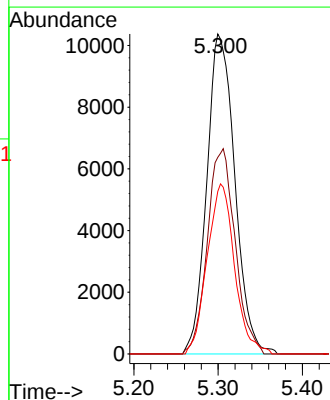
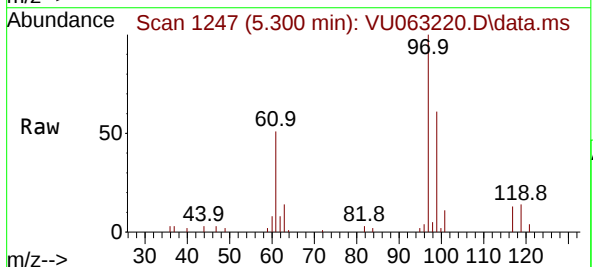
Tgt Ion: 97 Resp: 24038

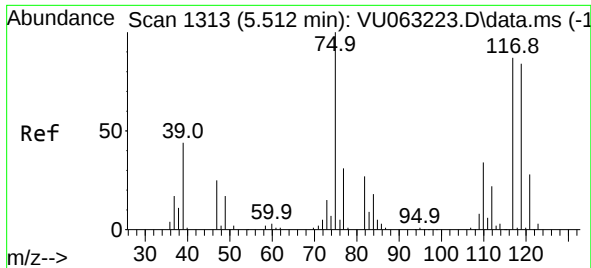
Ion Ratio Lower Upper

97 100

99 63.6 32.4 97.0

61 51.8 23.8 71.2





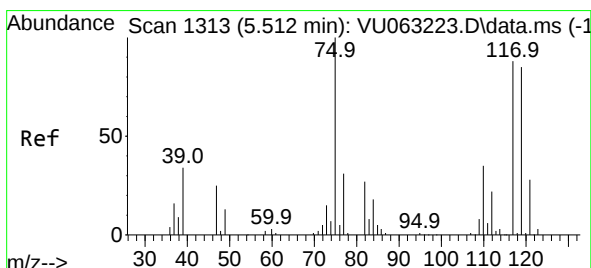
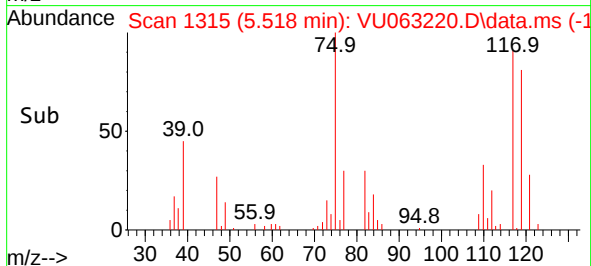
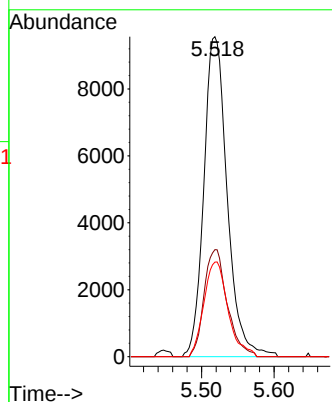
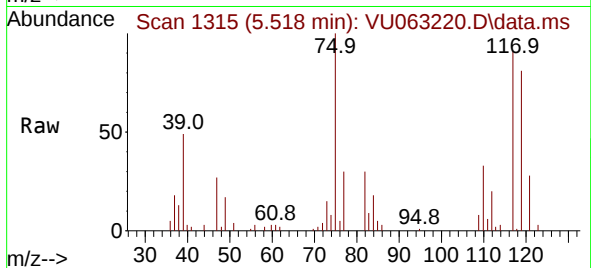
#29
1,1-Dichloropropene
Concen: 1.040 ug/l
RT: 5.518 min Scan# 111
Delta R.T. 0.006 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 2142
Ion Ratio Lower Upper
75 100
110 33.1 17.2 51.5
77 30.5 24.6 37.0

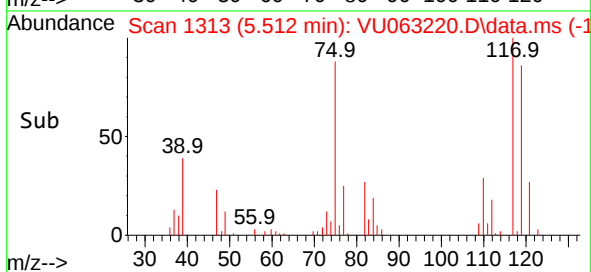
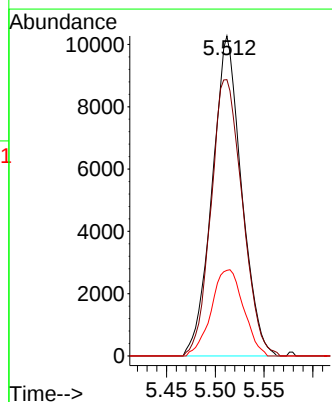
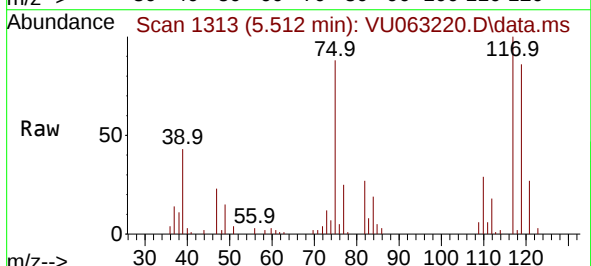
Manual Integrations
APPROVED

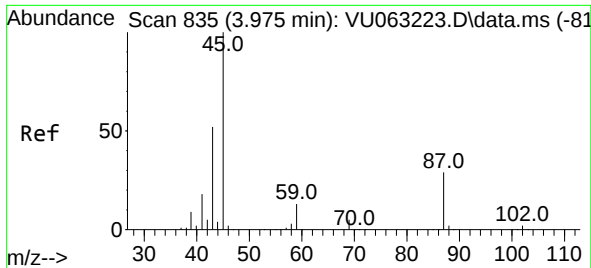
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#30
Carbon Tetrachloride
Concen: 1.090 ug/l
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:117 Resp: 21505
Ion Ratio Lower Upper
117 100
119 86.4 76.7 115.1
121 26.7 25.5 38.3





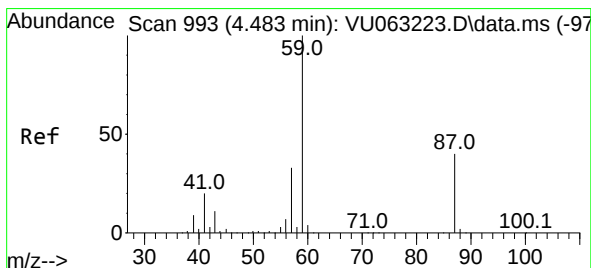
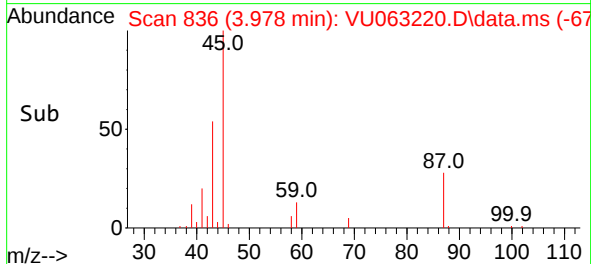
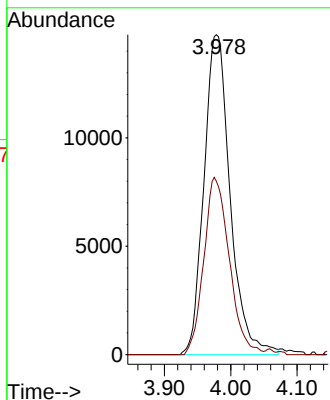
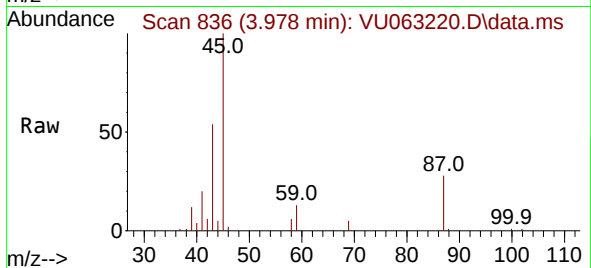
#31
Isopropyl Ether
Concen: 1.008 ug/l
RT: 3.978 min Scan# 836
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 40509
Ion Ratio Lower Upper
45 100
43 54.0 25.7 77.1

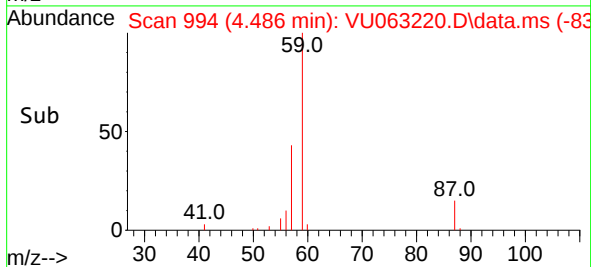
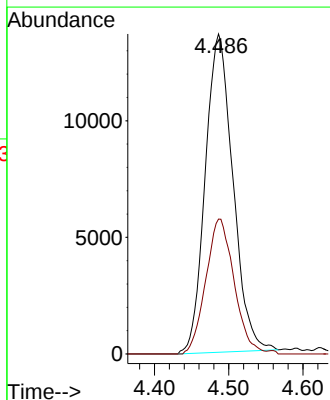
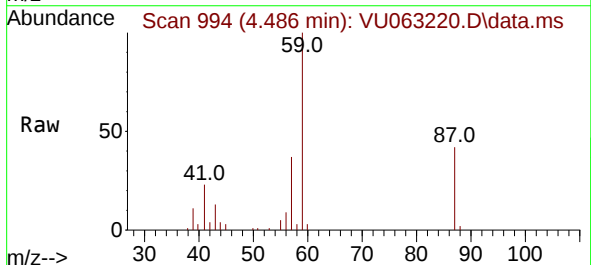
Manual Integrations
APPROVED

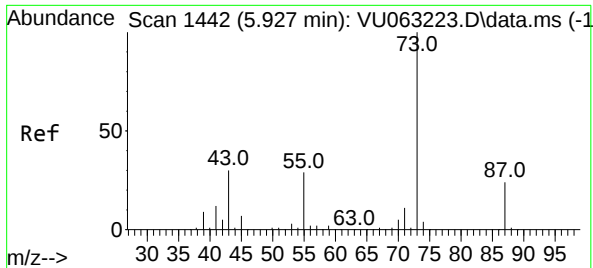
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#32
Ethyl-t-butyl ether
Concen: 0.968 ug/l
RT: 4.486 min Scan# 994
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 59 Resp: 35372
Ion Ratio Lower Upper
59 100
87 42.1 32.6 49.0





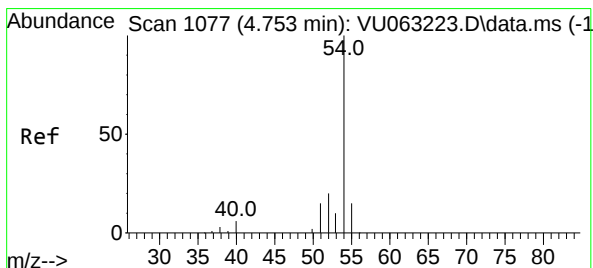
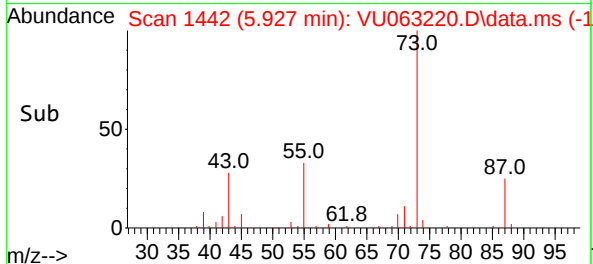
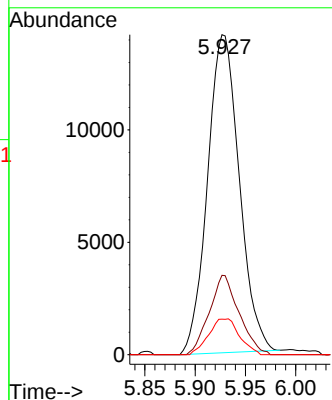
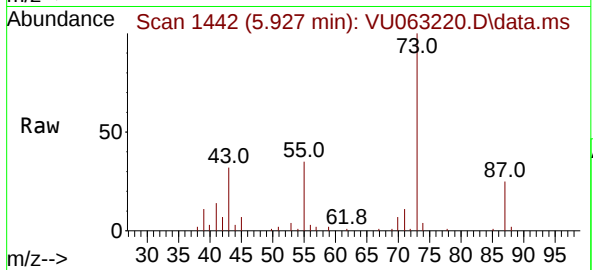
#33
Tert-Amyl methyl ether
Concen: 0.975 ug/l
RT: 5.927 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 31129
Ion Ratio Lower Upper
73 100
87 23.3 18.9 28.3
71 10.9 9.0 13.4

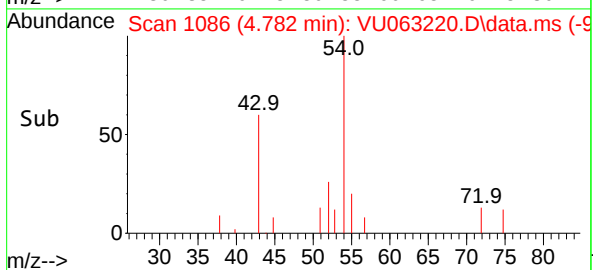
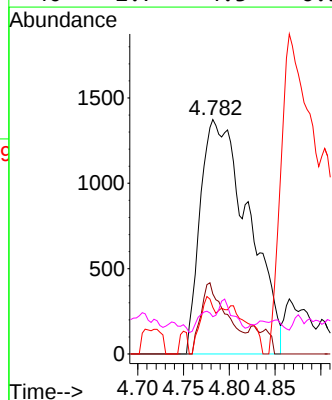
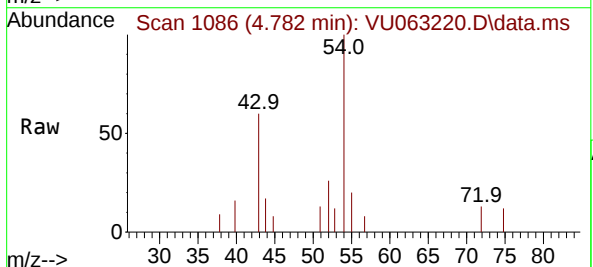
Manual Integrations
APPROVED

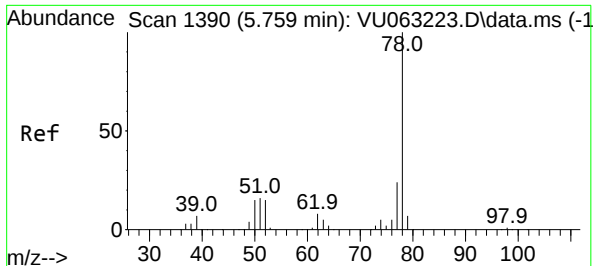
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#34
Propionitrile
Concen: 4.335 ug/l m
RT: 4.782 min Scan# 1086
Delta R.T. 0.029 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 54 Resp: 5038
Ion Ratio Lower Upper
54 100
52 16.5 16.3 24.5
55 7.3 11.8 17.6#
40 2.7 4.3 6.5#





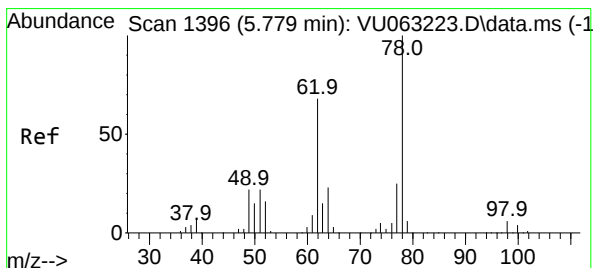
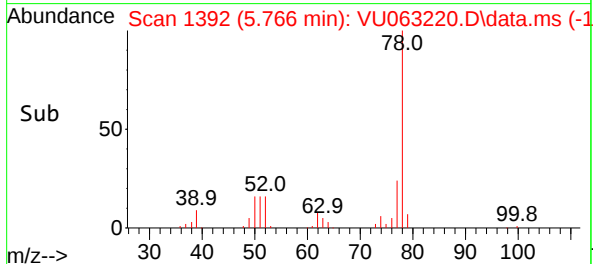
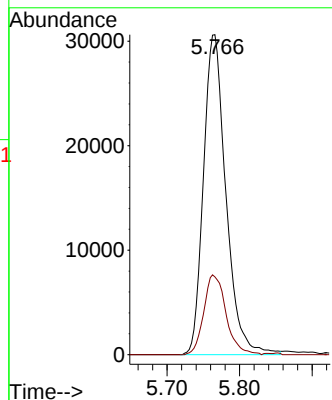
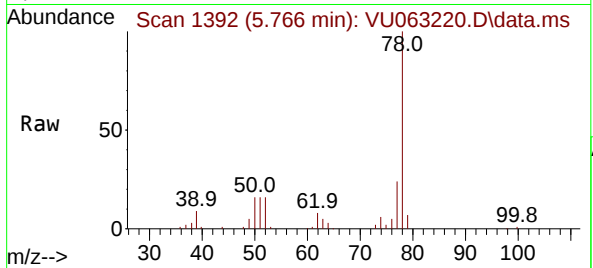
#35
Benzene
Concen: 1.041 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 78 Resp: 65980
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

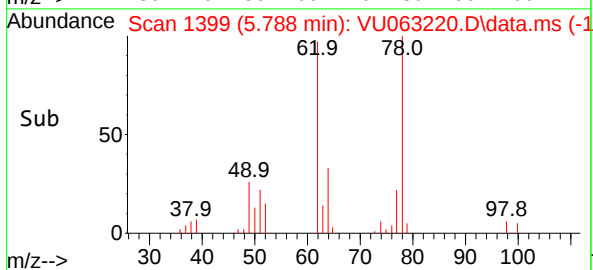
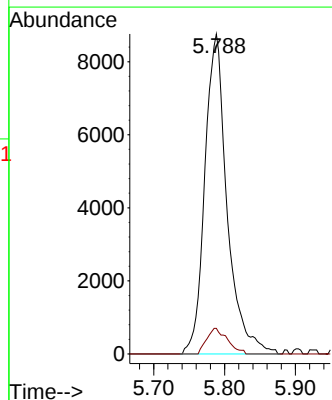
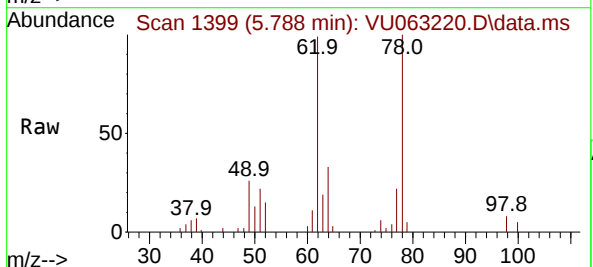
Manual Integrations
APPROVED

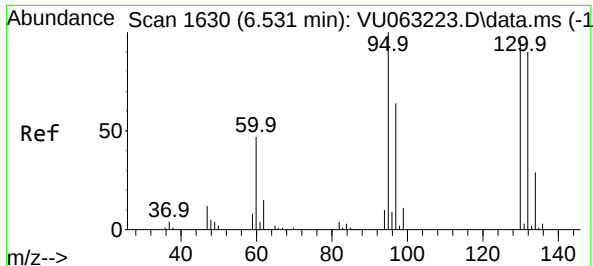
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#36
1,2-Dichloroethane
Concen: 1.048 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. 0.010 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 62 Resp: 19157
Ion Ratio Lower Upper
62 100
98 7.4 6.9 10.3





#37

Trichloroethene

Concen: 1.063 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 1601

Ion Ratio Lower Upper

130 100

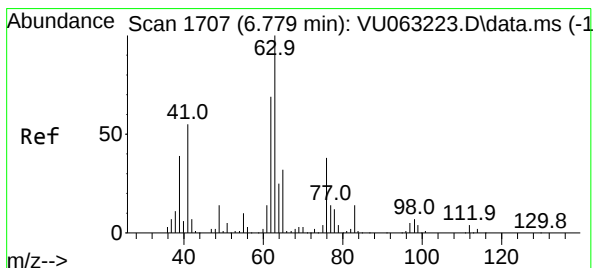
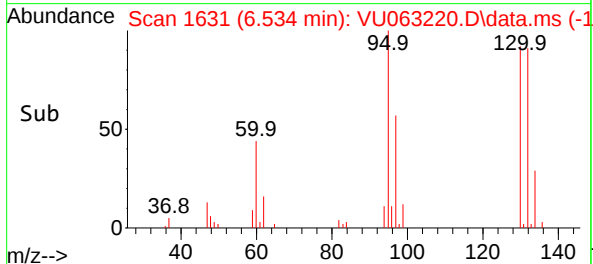
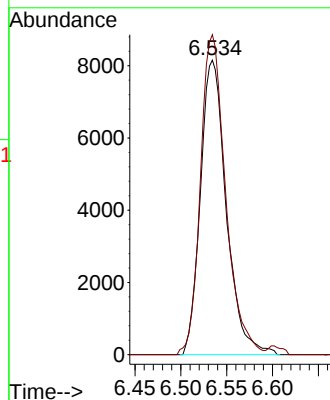
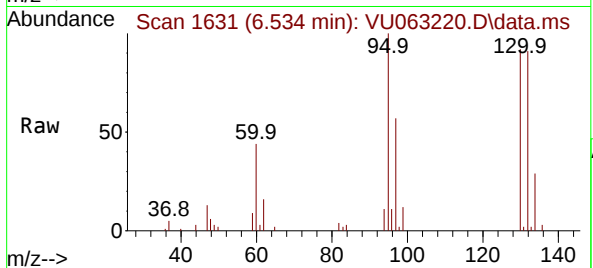
95 106.9 83.2 124.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#38

1,2-Dichloropropane

Concen: 1.035 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063220.D

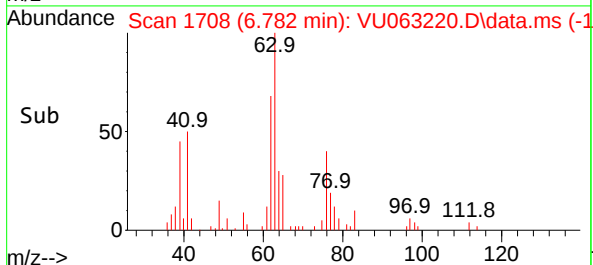
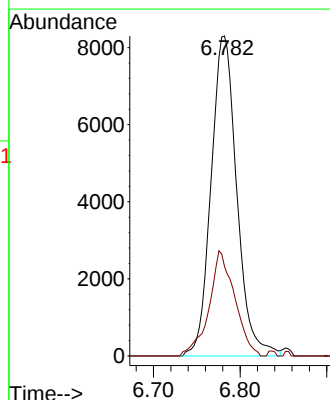
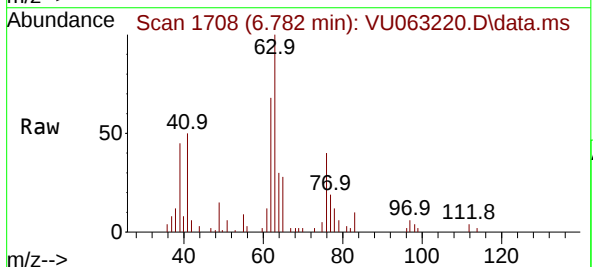
Acq: 10 Feb 2025 13:23

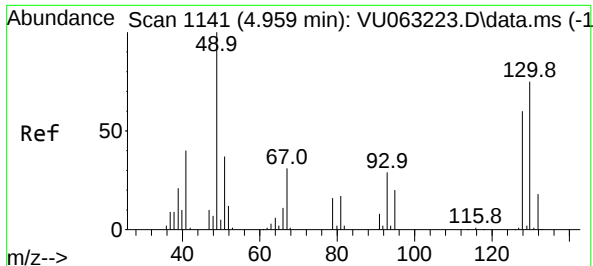
Tgt Ion: 63 Resp: 17158

Ion Ratio Lower Upper

63 100

65 28.0 25.3 37.9





#39

Methacrylonitrile

Concen: 0.838 ug/l

RT: 4.978 min Scan# 1147

Delta R.T. 0.019 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 3478

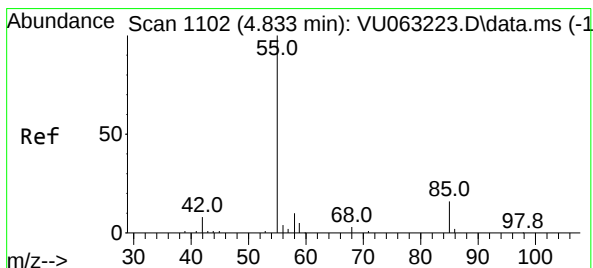
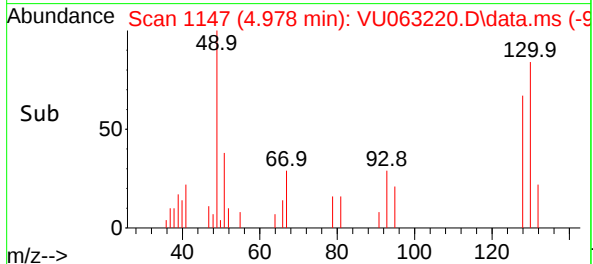
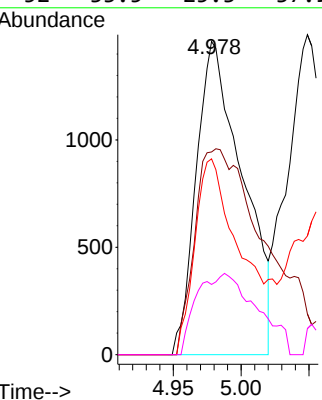
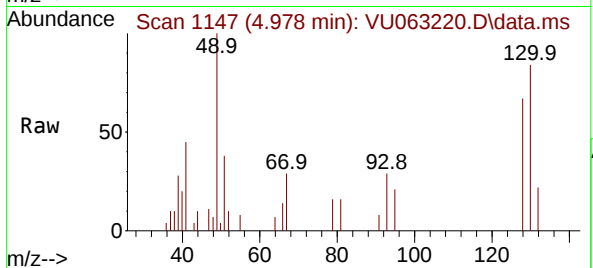
Ion	Ratio	Lower	Upper
41	100		
67	101.4	64.5	96.7
39	61.6	43.0	64.6
52	33.5	25.3	37.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Methyl acrylate

Concen: 0.993 ug/l m

RT: 4.866 min Scan# 1112

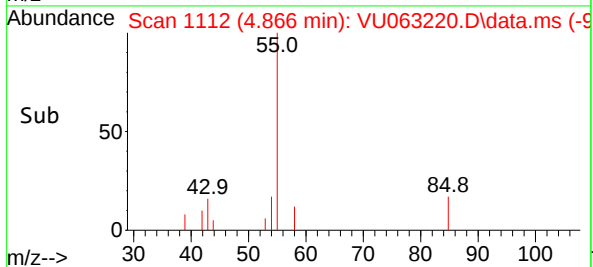
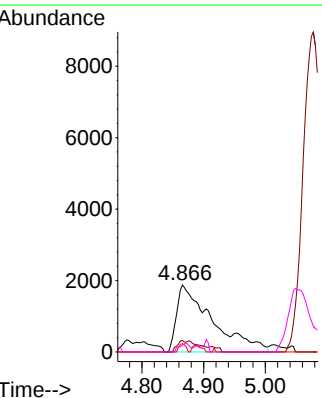
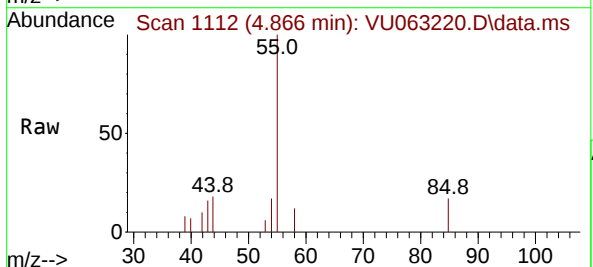
Delta R.T. 0.032 min

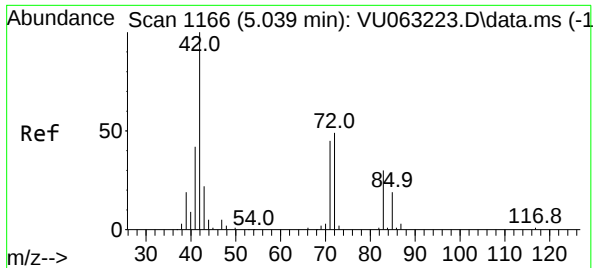
Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Tgt Ion: 55 Resp: 7528

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9
58	2.3	7.3	10.9
42	3.9	6.9	10.3





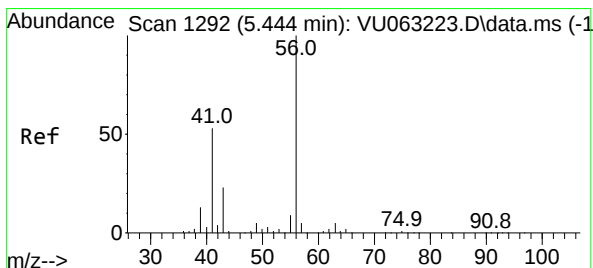
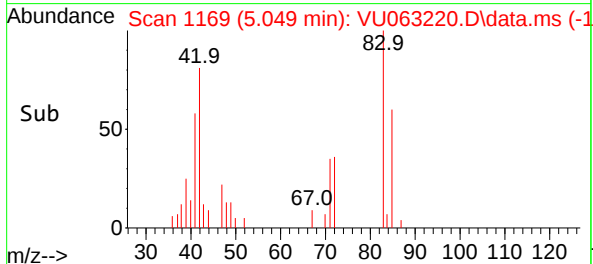
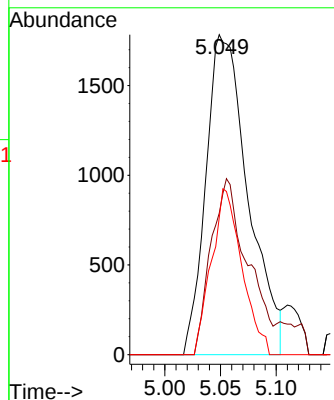
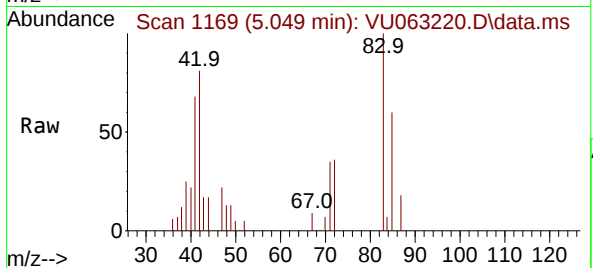
#41
Tetrahydrofuran
Concen: 1.924 ug/l
RT: 5.049 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 469
Ion Ratio Lower Upper
42 100
72 47.9 41.5 62.3
71 37.6 37.2 55.8

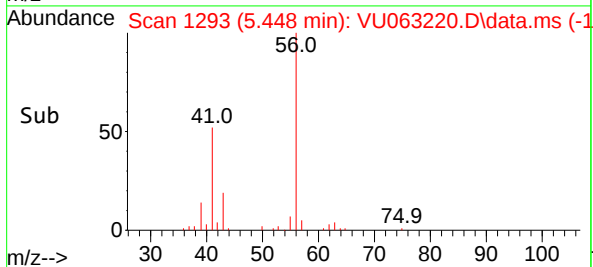
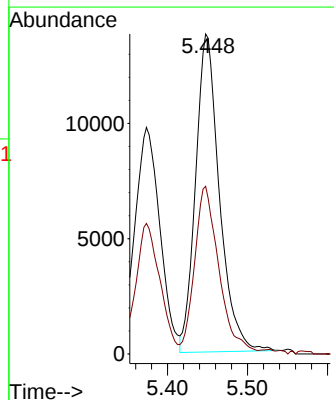
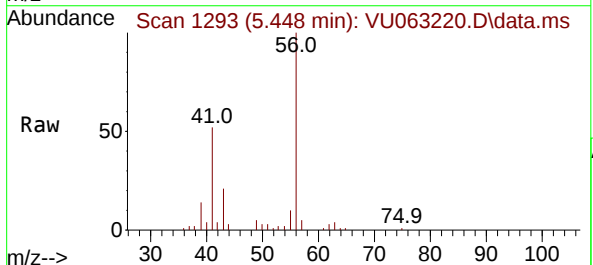
Manual Integrations
APPROVED

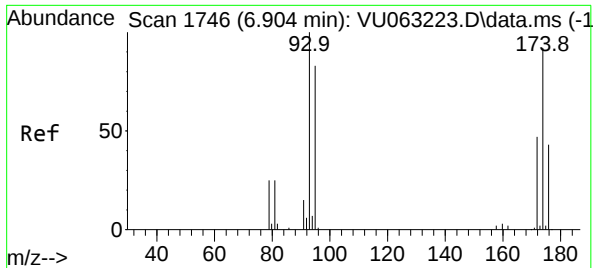
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#42
1-Chlorobutane
Concen: 1.014 ug/l
RT: 5.448 min Scan# 1293
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion: 56 Resp: 28598
Ion Ratio Lower Upper
56 100
41 51.7 26.3 78.8





#43

Dibromomethane

Concen: 1.065 ug/l

RT: 6.907 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 894

Ion Ratio Lower Upper

93 100

95 81.7 67.2 100.8

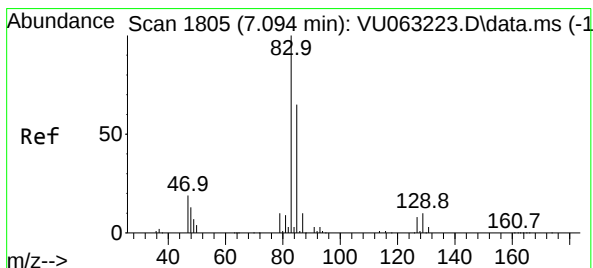
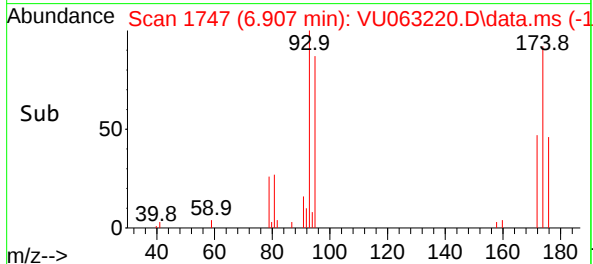
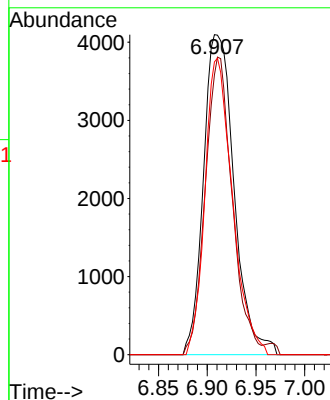
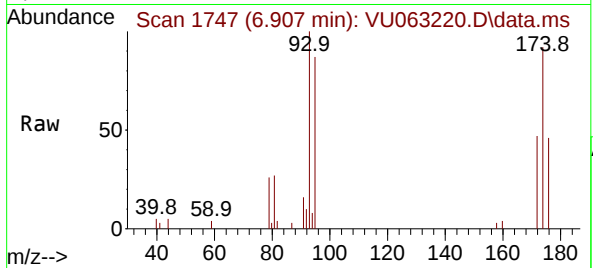
174 83.3 75.7 113.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#44

Bromodichloromethane

Concen: 1.060 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

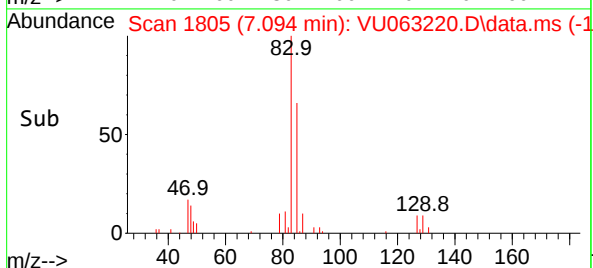
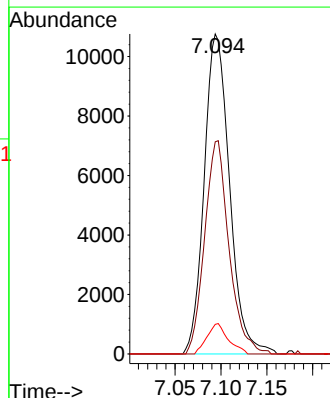
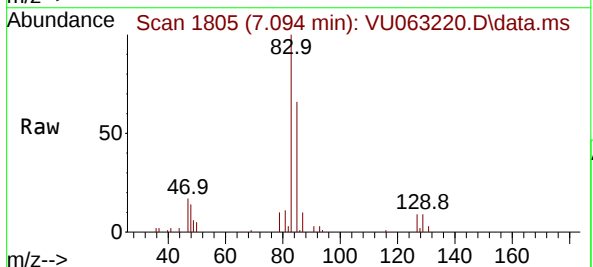
Tgt Ion: 83 Resp: 20720

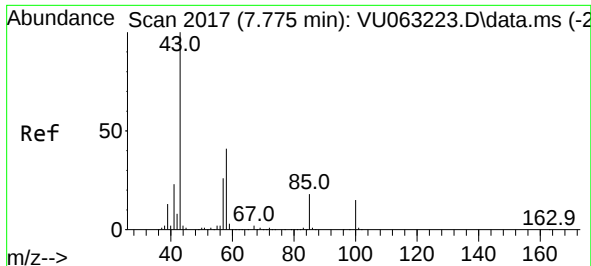
Ion Ratio Lower Upper

83 100

85 66.3 51.7 77.5

127 9.2 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 4.541 ug/l

RT: 7.782 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

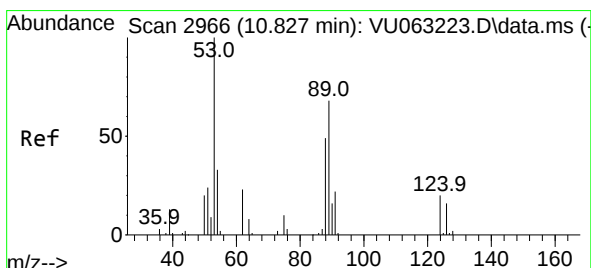
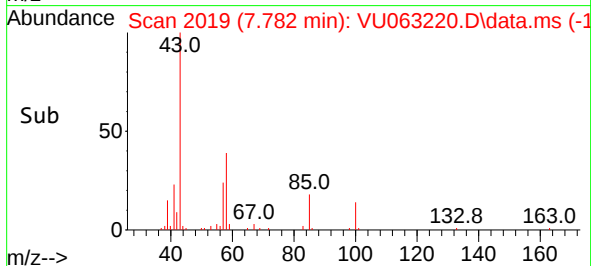
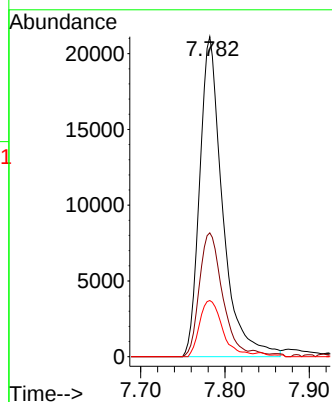
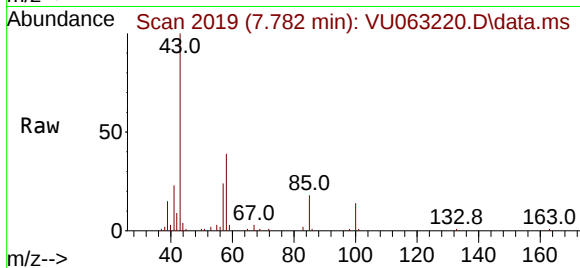
Tgt Ion: 43	Resp: 3998
Ion Ratio	Lower Upper
43	100
58	38.7 20.8 62.5
85	17.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

t-1,4-Dichloro-2-butene

Concen: 1.981 ug/l m

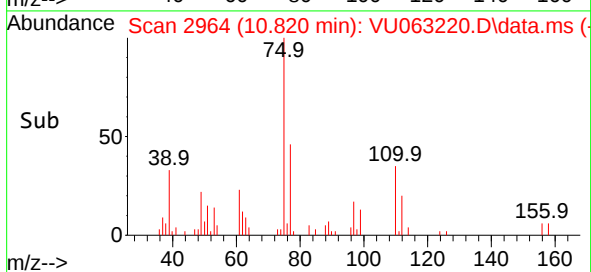
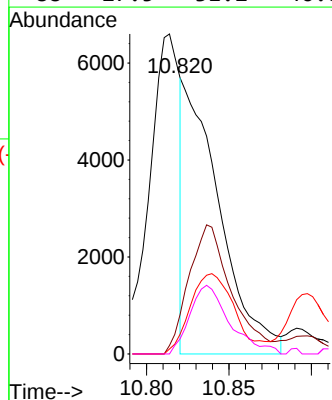
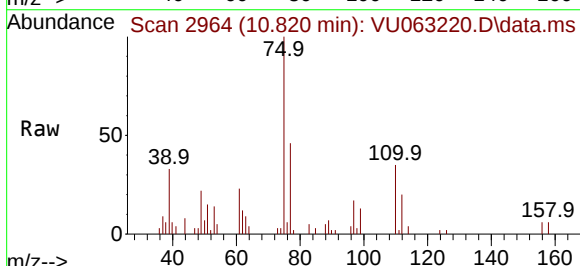
RT: 10.820 min Scan# 2964

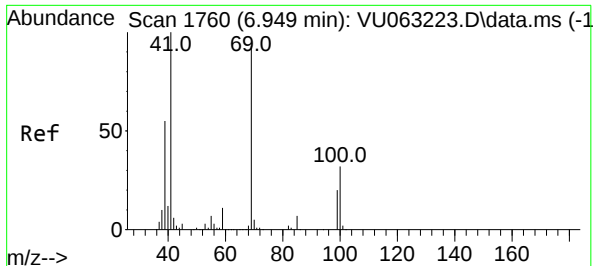
Delta R.T. -0.006 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Tgt Ion: 75	Resp: 8630
Ion Ratio	Lower Upper
75	100
53	55.7 64.5 96.7#
89	36.6 43.4 65.2#
88	27.5 31.2 46.8#





#47

Methyl methacrylate

Concen: 1.836 ug/l

RT: 6.956 min Scan# 1762

Delta R.T. 0.006 min

Lab File: VU063220.D

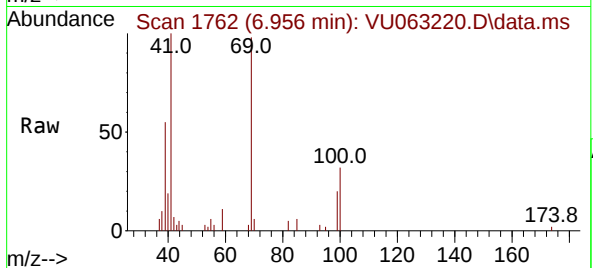
Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001



Tgt Ion: 69 Resp: 1298

Ion Ratio Lower Upper

69 100

41 109.0 0.0 217.0

39 62.7 47.7 71.5

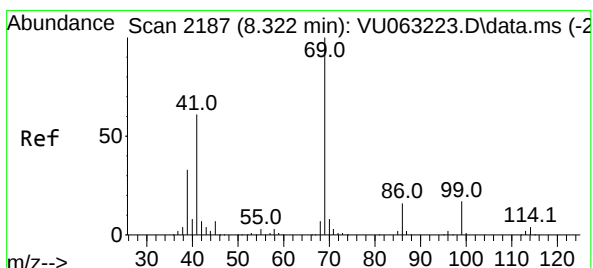
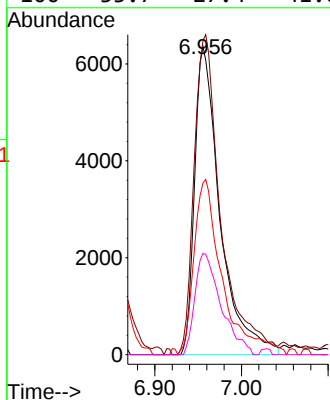
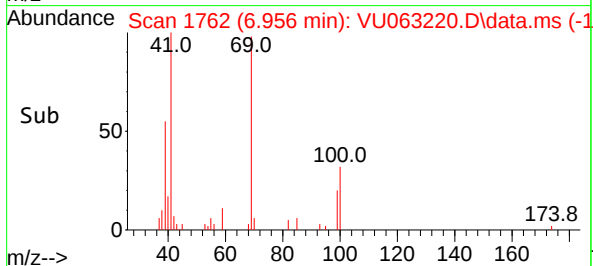
100 33.7 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Ethyl methacrylate

Concen: 0.882 ug/l

RT: 8.328 min Scan# 2189

Delta R.T. 0.007 min

Lab File: VU063220.D

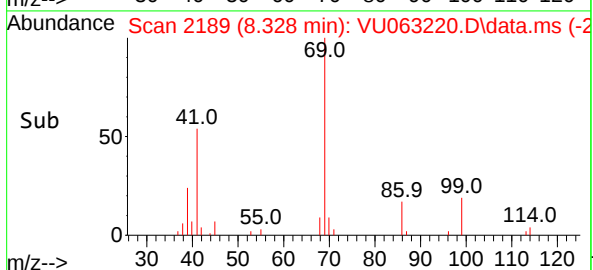
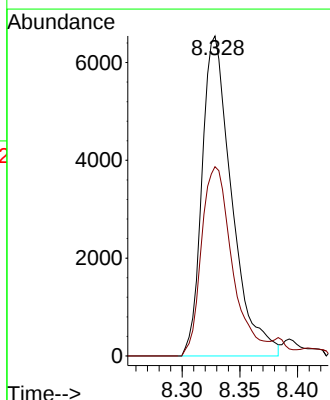
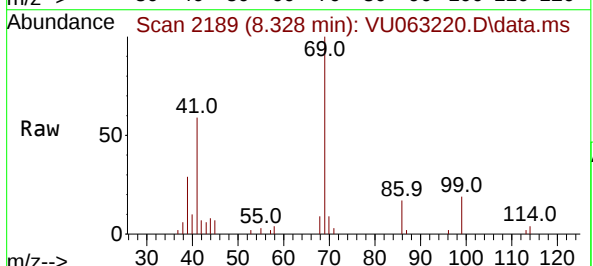
Acq: 10 Feb 2025 13:23

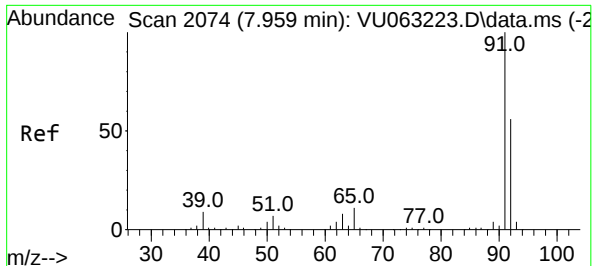
Tgt Ion: 69 Resp: 11711

Ion Ratio Lower Upper

69 100

41 61.3 30.6 92.0





#49

Toluene

Concen: 0.998 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 3635

Ion Ratio Lower Upper

92 100

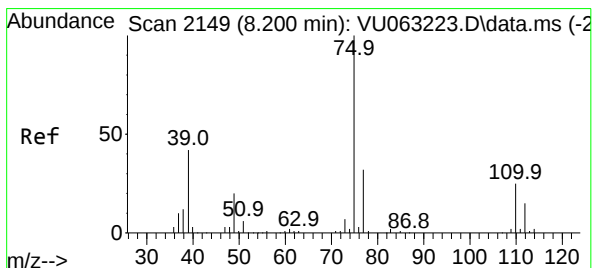
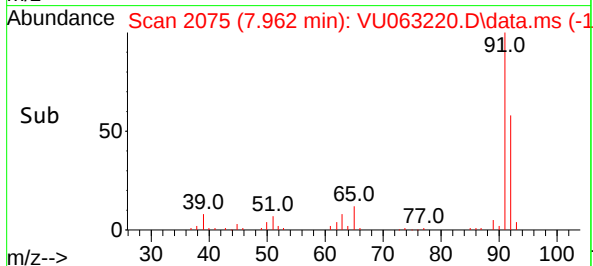
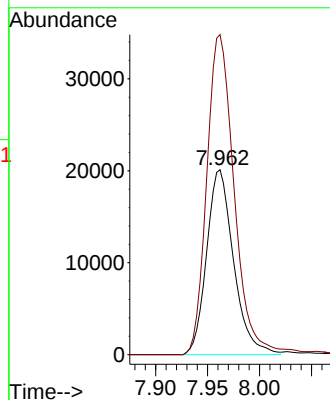
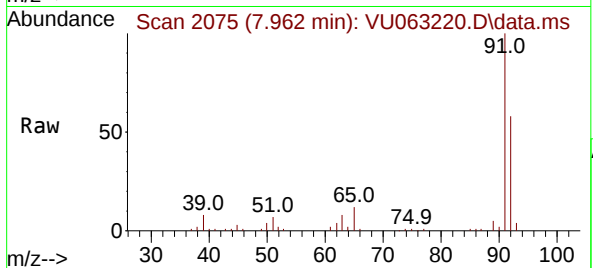
91 176.9 141.8 212.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.988 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.007 min

Lab File: VU063220.D

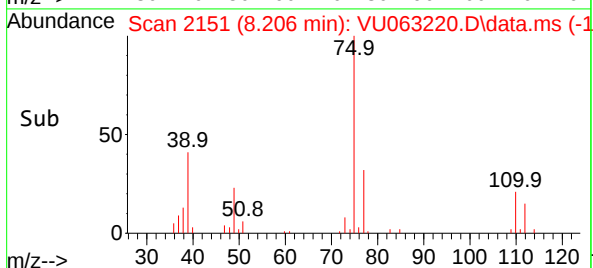
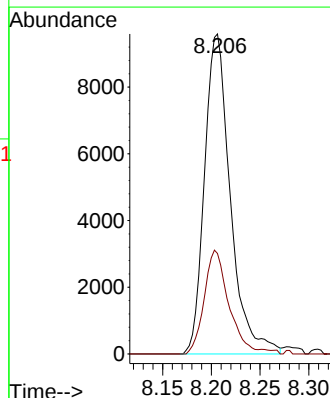
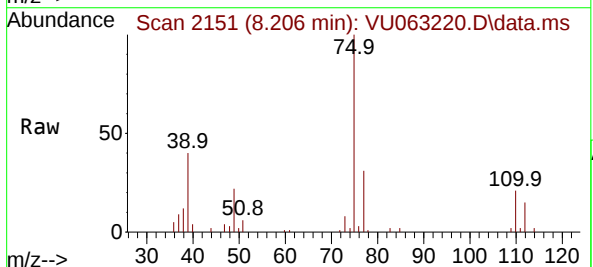
Acq: 10 Feb 2025 13:23

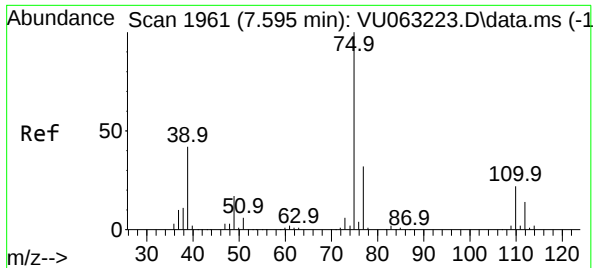
Tgt Ion: 75 Resp: 17681

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9





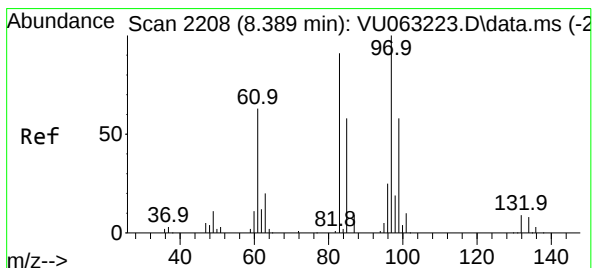
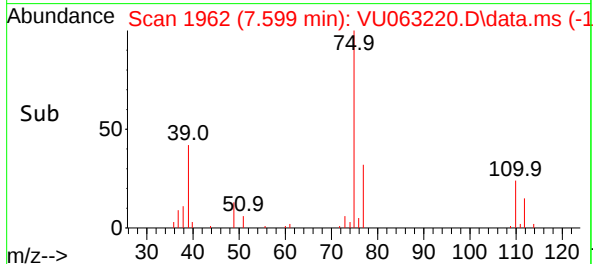
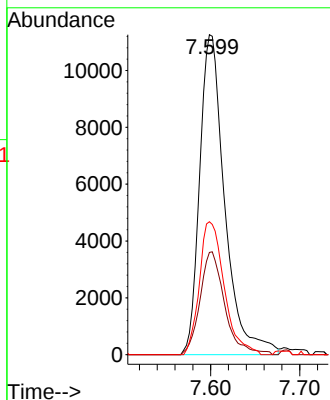
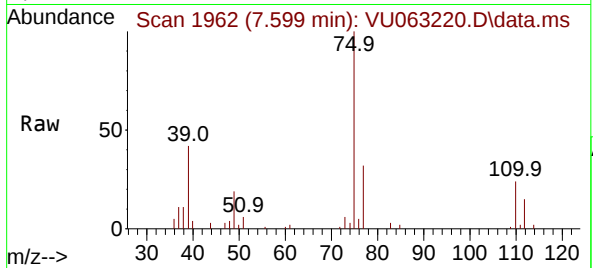
#51
 cis-1,3-Dichloropropene
 Concen: 0.997 ug/l
 RT: 7.599 min Scan# 1961
 Delta R.T. 0.003 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 2203
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 41.5 33.5 50.3

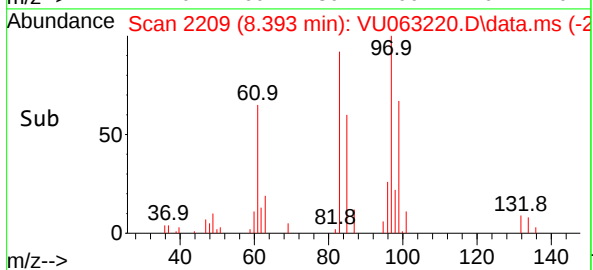
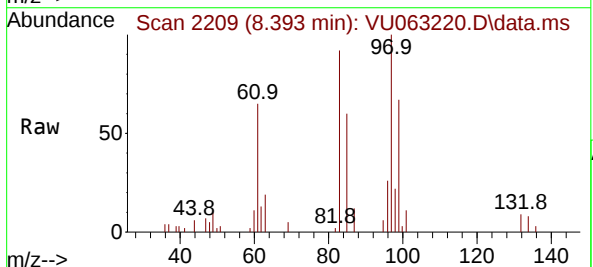
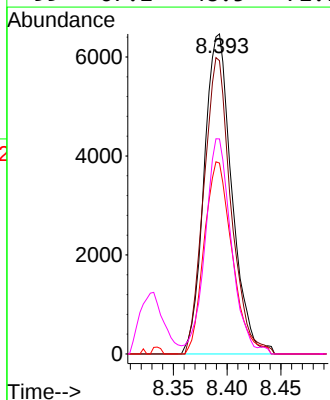
Manual Integrations
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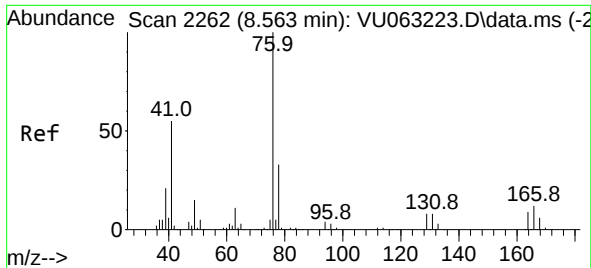
Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025



#52
 1,1,2-Trichloroethane
 Concen: 1.025 ug/l
 RT: 8.393 min Scan# 2209
 Delta R.T. 0.003 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

Tgt Ion: 97 Resp: 11610
 Ion Ratio Lower Upper
 97 100
 83 91.6 73.0 109.4
 85 59.6 46.3 69.5
 99 67.2 48.5 72.7





#53

1,3-Dichloropropane

Concen: 1.046 ug/l

RT: 8.566 min Scan# 2102

Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 2102

Ion Ratio Lower Upper

76 100

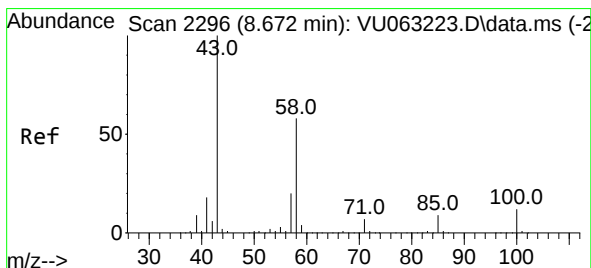
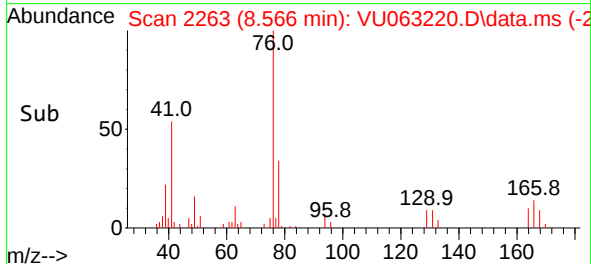
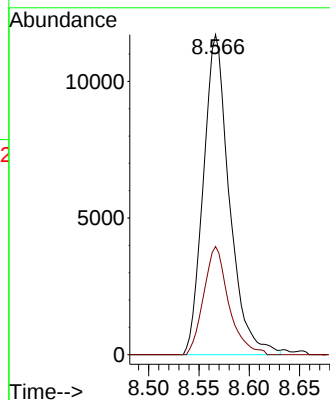
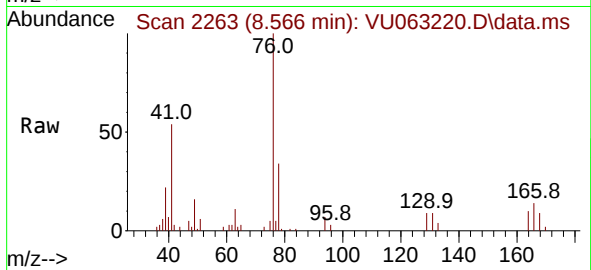
78 32.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#54

2-Hexanone

Concen: 4.673 ug/l m

RT: 8.679 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

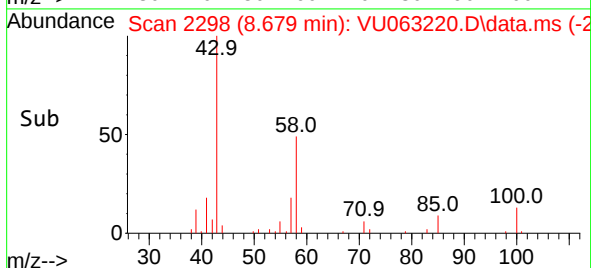
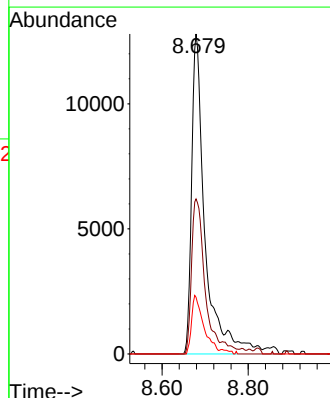
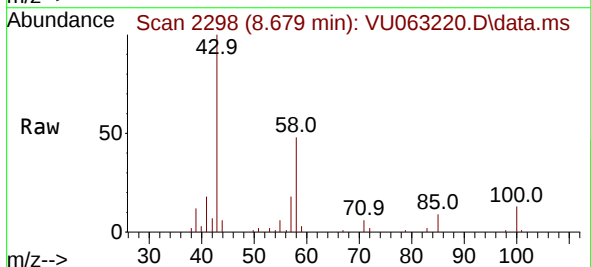
Tgt Ion: 43 Resp: 28078

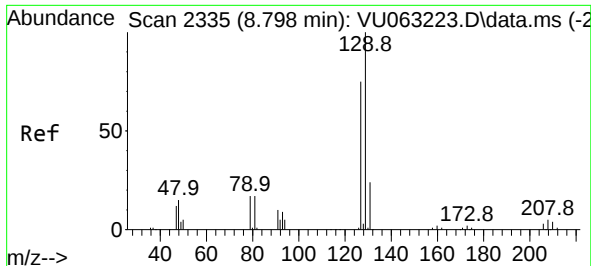
Ion Ratio Lower Upper

43 100

58 46.0 38.0 78.0

57 16.4 0.0 39.1





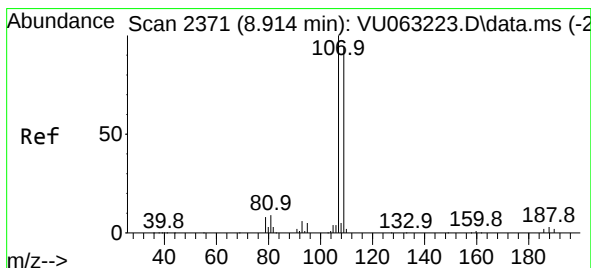
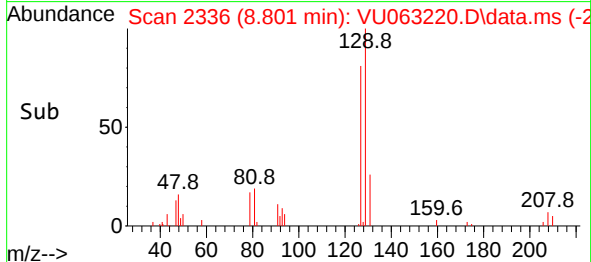
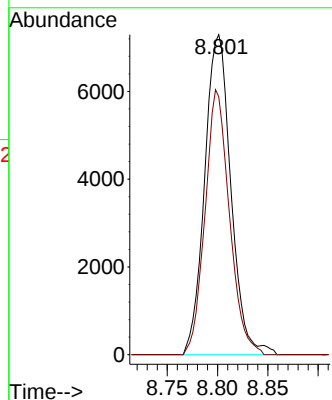
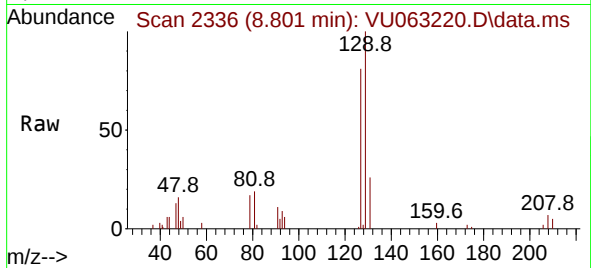
#55
Dibromochloromethane
Concen: 1.018 ug/l
RT: 8.801 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:129 Resp: 1325
Ion Ratio Lower Upper
129 100
127 77.0 60.4 90.6

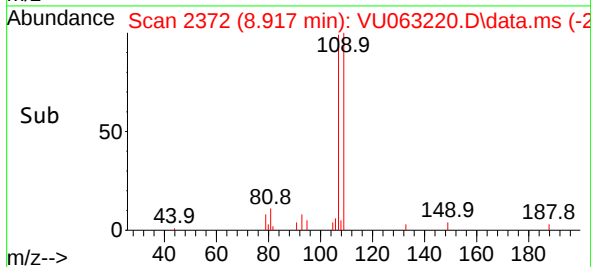
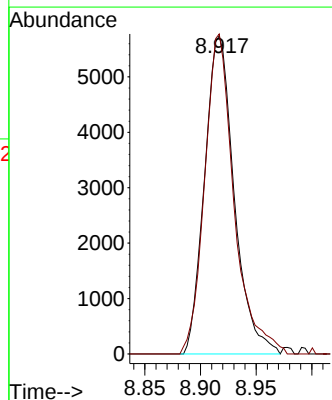
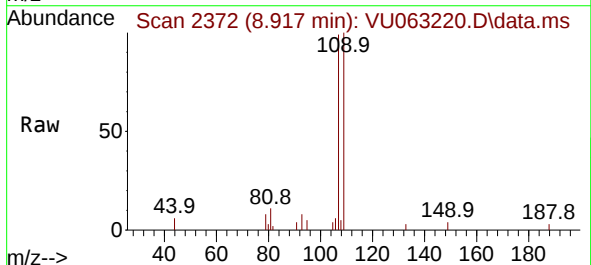
Manual Integrations
APPROVED

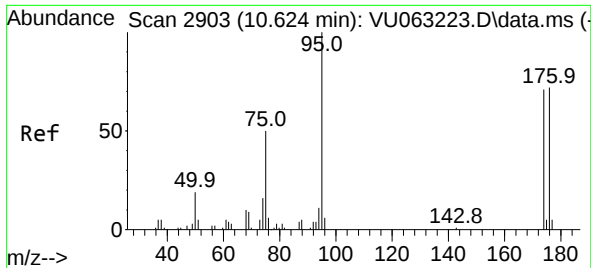
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#56
1,2-Dibromoethane
Concen: 1.001 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

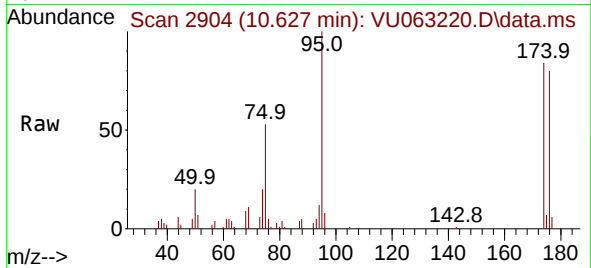
Tgt Ion:107 Resp: 10628
Ion Ratio Lower Upper
107 100
109 99.6 0.0 187.8





#57
4-Bromofluorobenzene
Concen: 0.943 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

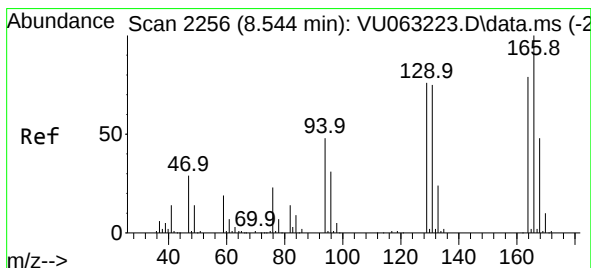
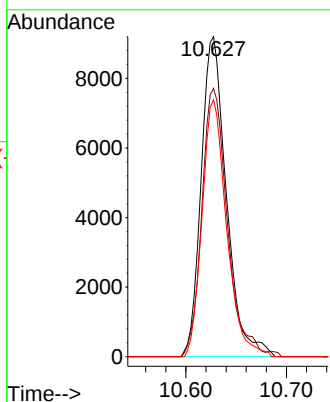
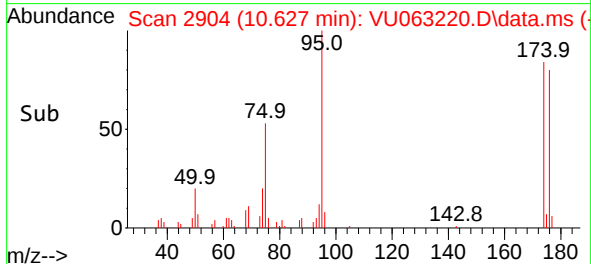
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



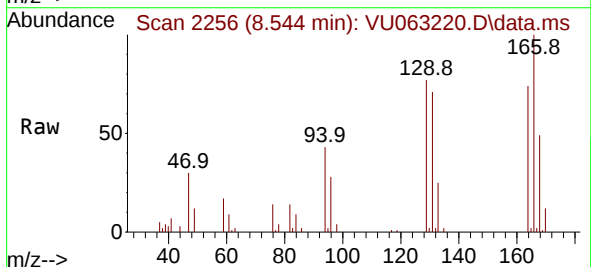
Tgt Ion: 95 Resp: 16040
Ion Ratio Lower Upper
95 100
174 84.4 58.6 88.0
176 78.3 58.2 87.4

Manual Integrations
APPROVED

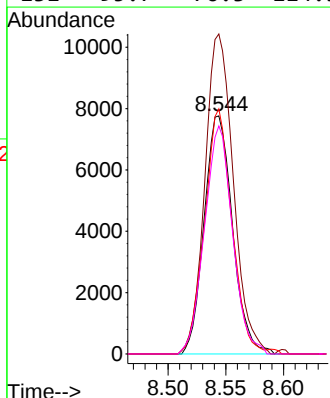
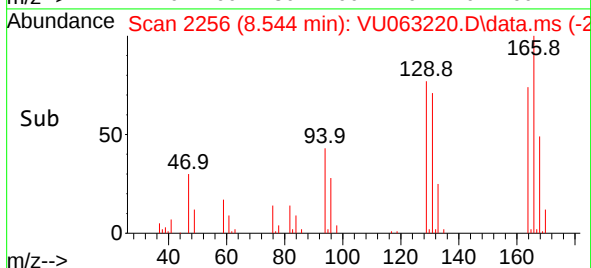
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

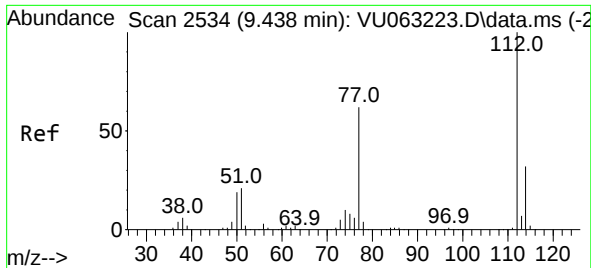


#58
Tetrachloroethene
Concen: 1.071 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion:164 Resp: 13296
Ion Ratio Lower Upper
164 100
166 134.4 101.4 152.0
129 102.9 77.0 115.4
131 95.7 76.3 114.5





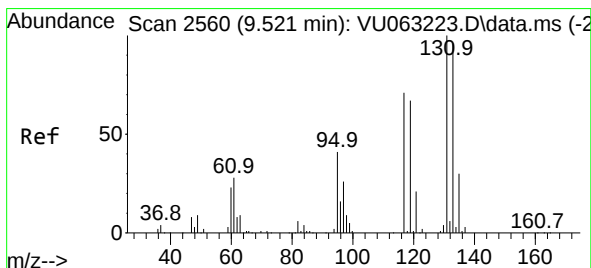
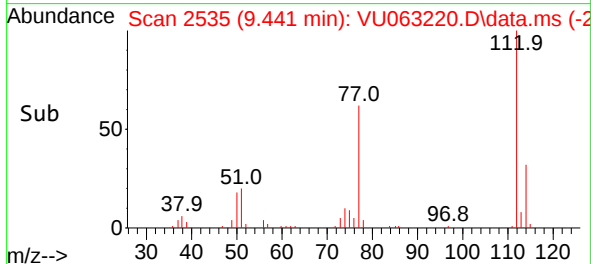
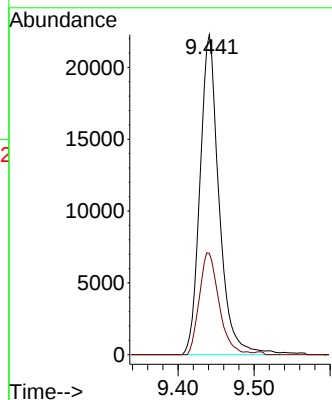
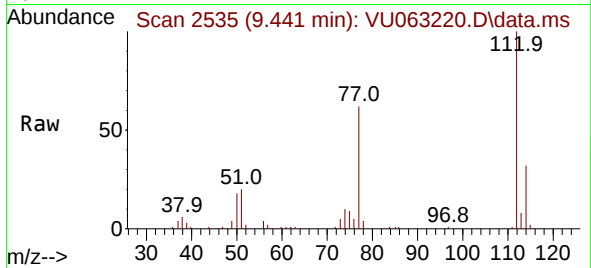
#59
Chlorobenzene
Concen: 1.008 ug/l
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:112 Resp: 38774
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

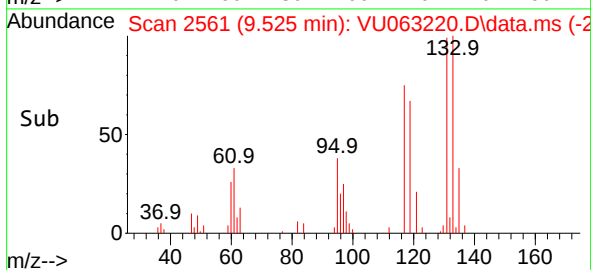
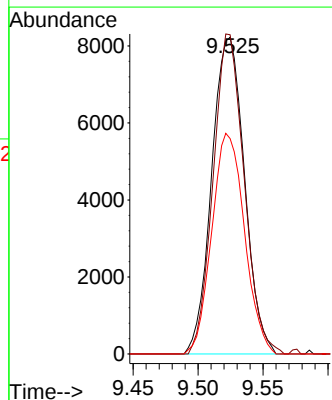
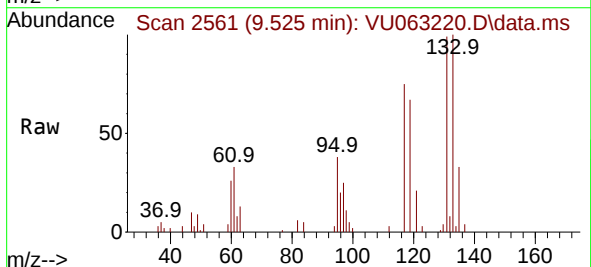
Manual Integrations
APPROVED

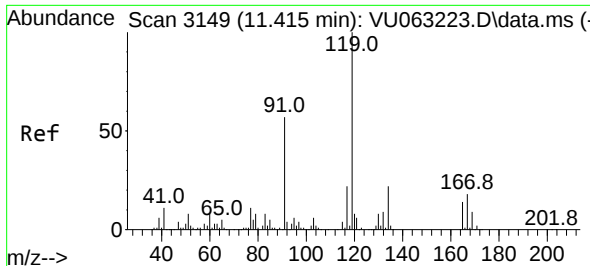
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#60
1,1,1,2-Tetrachloroethane
Concen: 1.041 ug/l
RT: 9.525 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

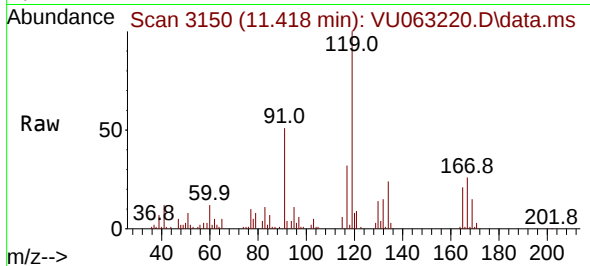
Tgt Ion:131 Resp: 14393
Ion Ratio Lower Upper
131 100
133 95.6 76.7 115.1
119 69.6 54.4 81.6





#61
Pentachloroethane
Concen: 1.027 ug/l
RT: 11.418 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

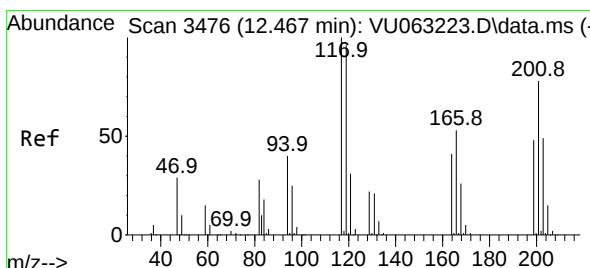
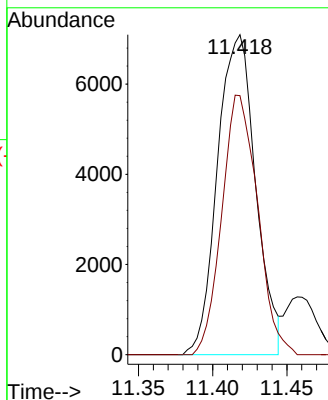
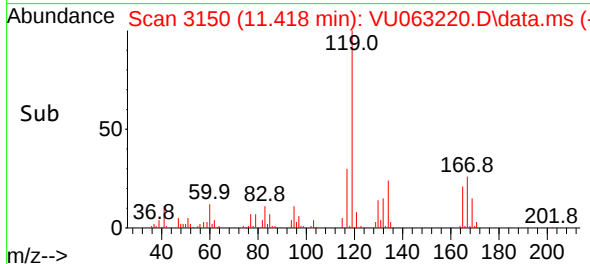
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 12680
Ion Ratio Lower Upper
117 100
167 76.1 65.0 97.6

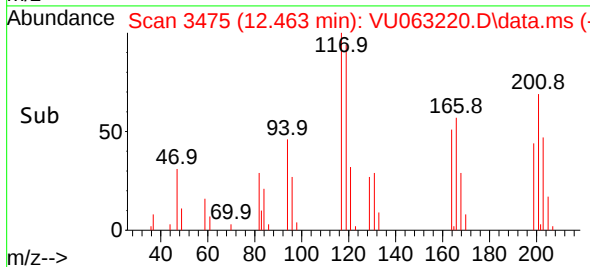
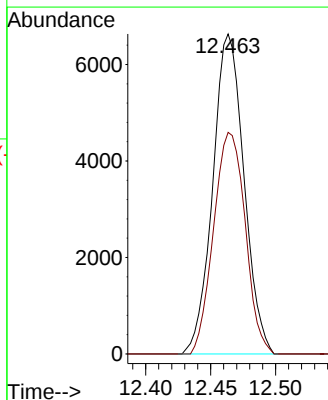
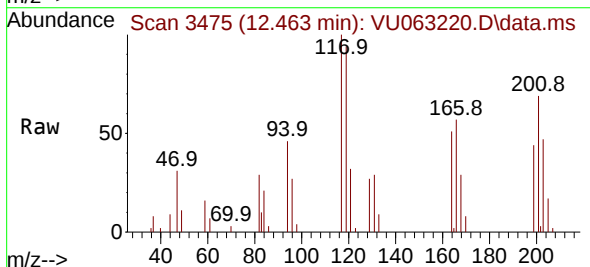
Manual Integrations
APPROVED

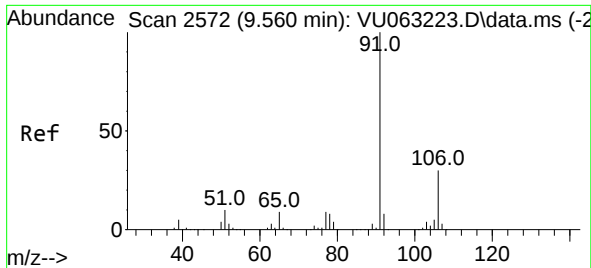
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#62
Hexachloroethane
Concen: 1.014 ug/l
RT: 12.463 min Scan# 3475
Delta R.T. -0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:117 Resp: 11074
Ion Ratio Lower Upper
117 100
201 70.2 61.3 91.9





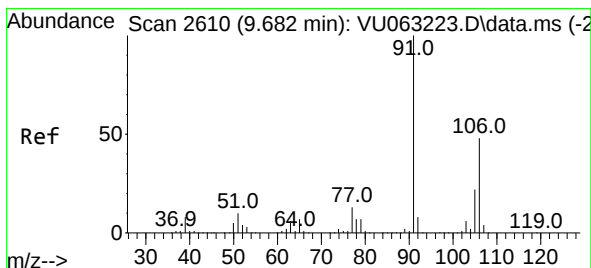
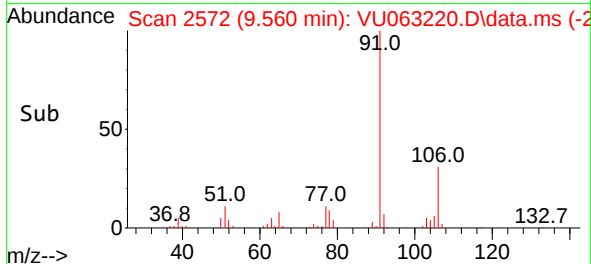
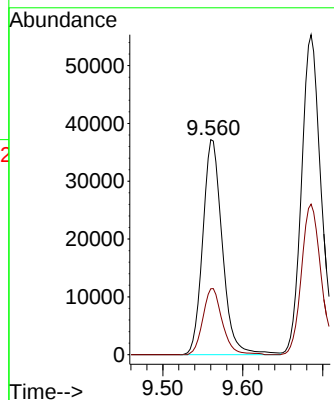
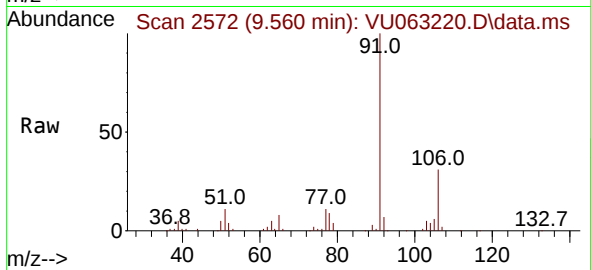
#63
Ethyl Benzene
Concen: 0.956 ug/l
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 63398
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

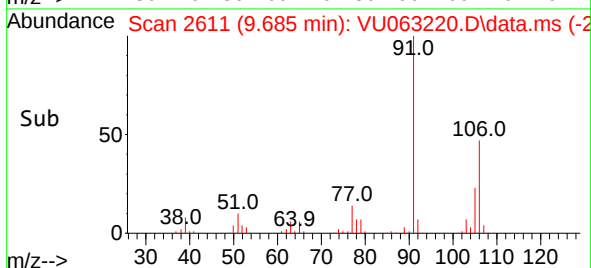
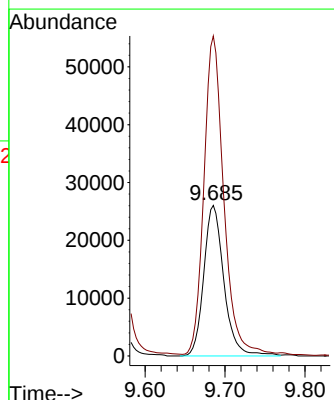
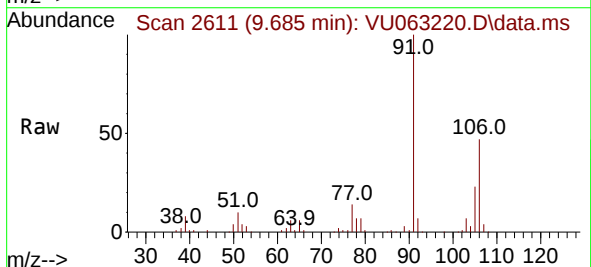
Manual Integrations
APPROVED

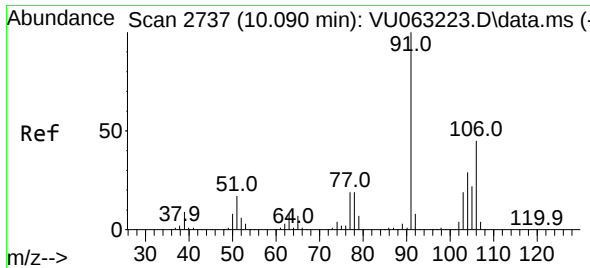
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#64
m/p-Xylenes
Concen: 1.847 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:106 Resp: 45748
Ion Ratio Lower Upper
106 100
91 207.1 166.9 250.3





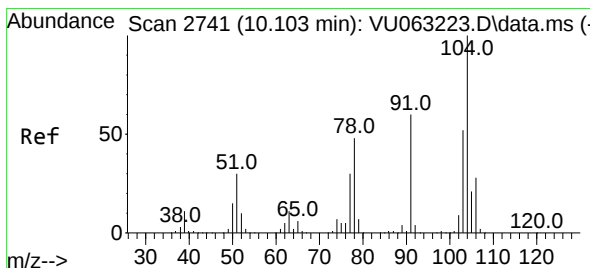
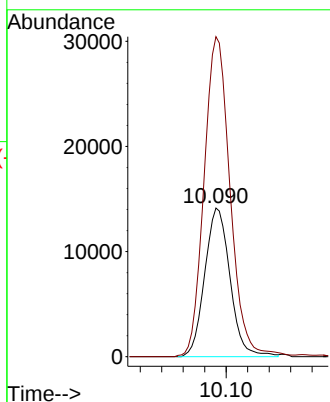
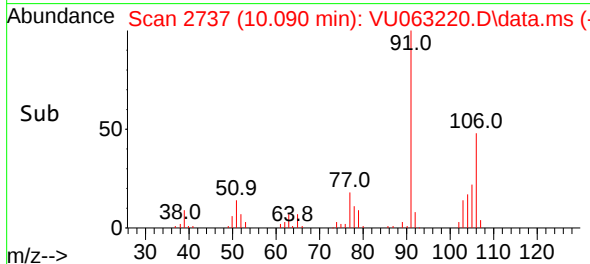
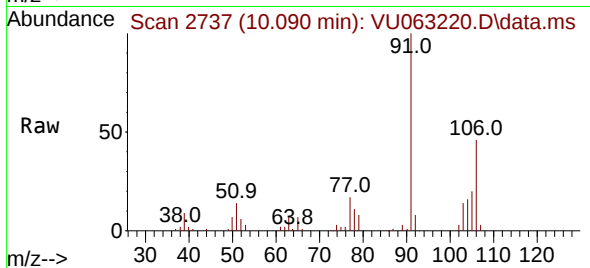
#65
o-Xylene
Concen: 0.954 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 23138
Ion Ratio Lower Upper
106 100
91 221.5 110.9 332.9

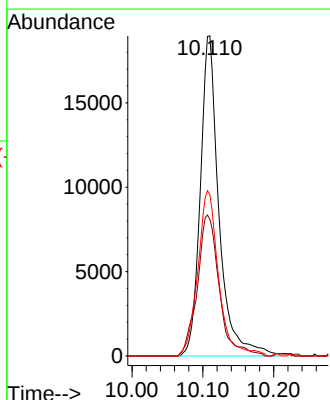
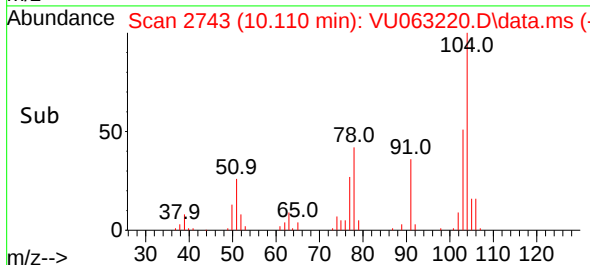
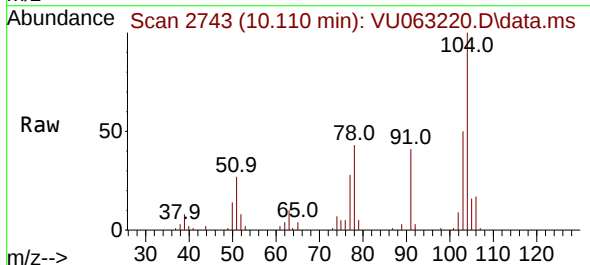
Manual Integrations
APPROVED

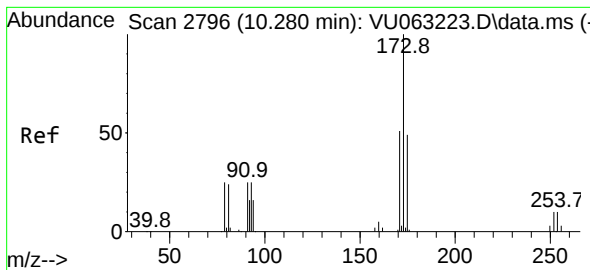
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#66
Styrene
Concen: 0.901 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.007 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:104 Resp: 34785
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 57.5 44.8 67.2





#67

Bromoform

Concen: 0.973 ug/l

RT: 10.280 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

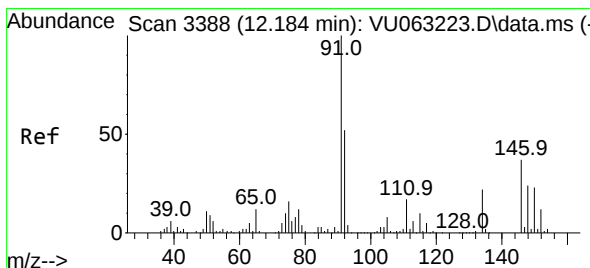
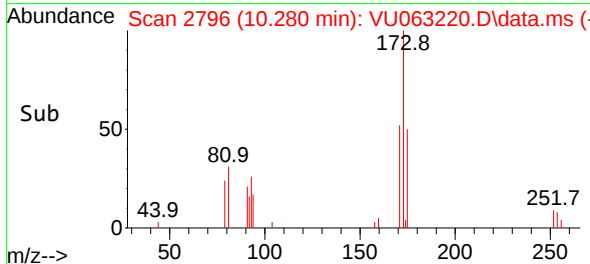
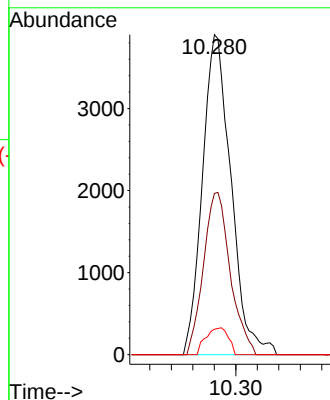
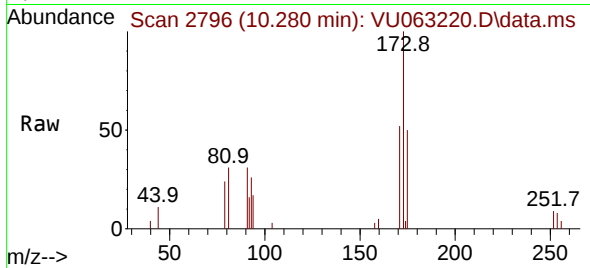
Tgt Ion:	173	Resp:	719
Ion Ratio	Lower	Upper	
173	100		
175	47.4	39.0	58.4
254	6.6	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.956 ug/l

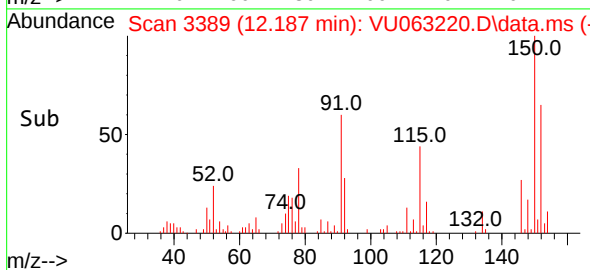
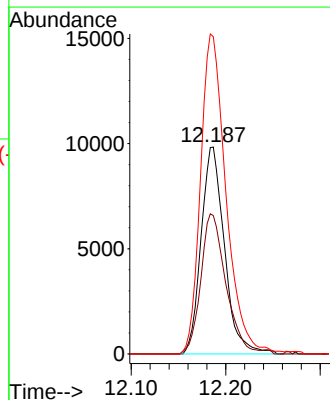
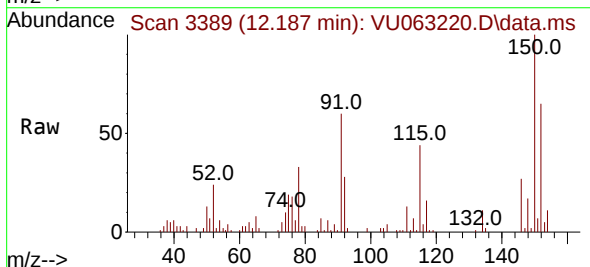
RT: 12.187 min Scan# 3389

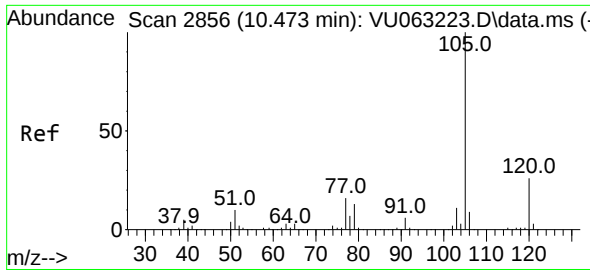
Delta R.T. 0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Tgt Ion:	152	Resp:	16904
Ion Ratio	Lower	Upper	
152	100		
115	72.2	0.0	275.2
150	168.3	0.0	658.4





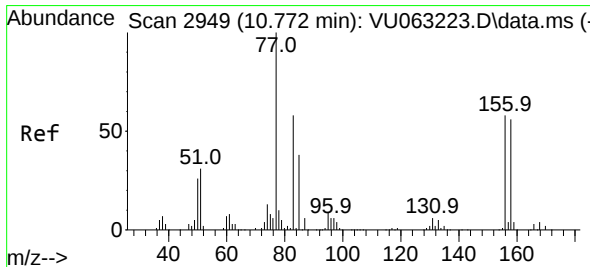
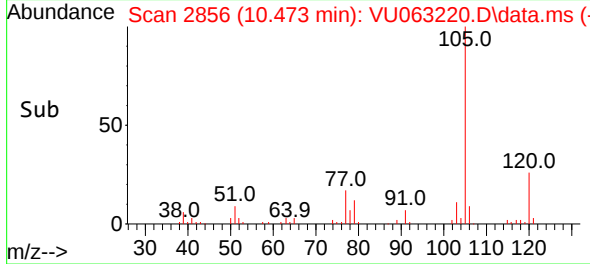
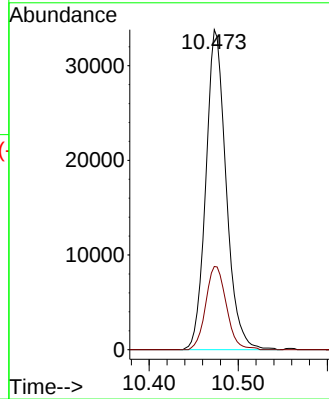
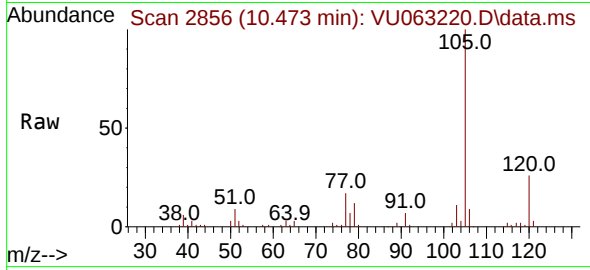
#69
Isopropylbenzene
Concen: 0.936 ug/l
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:105 Resp: 53372
Ion Ratio Lower Upper
105 100
120 26.5 12.8 38.4

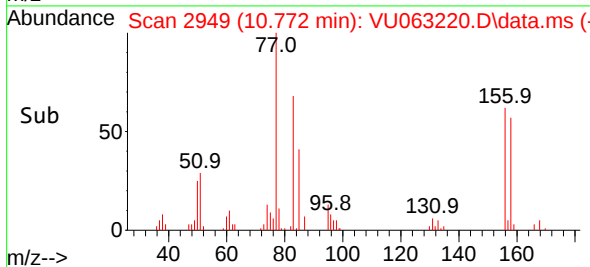
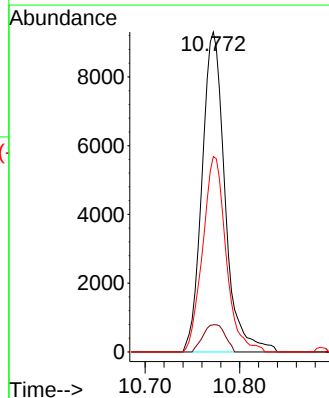
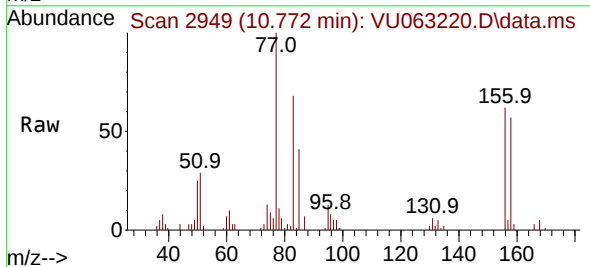
Manual Integrations
APPROVED

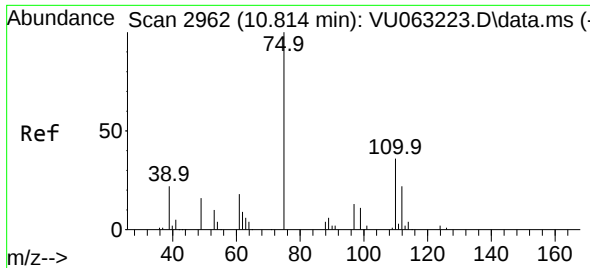
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 1.027 ug/l
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

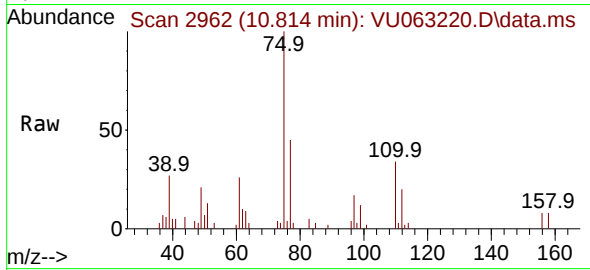
Tgt Ion: 83 Resp: 15680
Ion Ratio Lower Upper
83 100
131 8.2 7.4 11.0
85 62.2 51.8 77.8





#71
1,2,3-Trichloropropane
Concen: 0.991 ug/l m
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

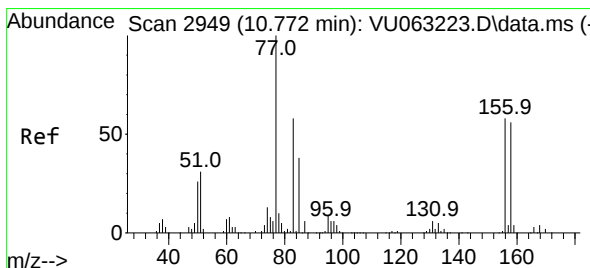
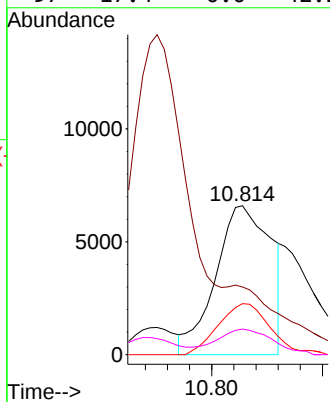
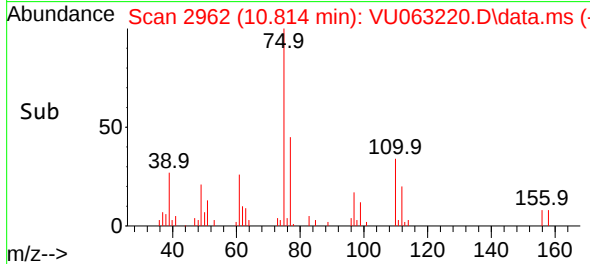
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



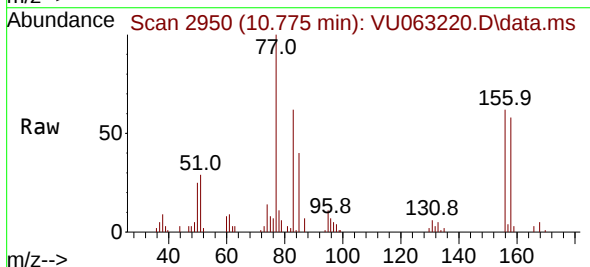
Tgt Ion: 75 Resp: 11462
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 32.3 0.0 77.0
97 17.4 0.0 42.2

Manual Integrations
APPROVED

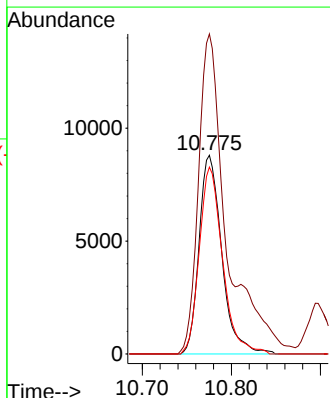
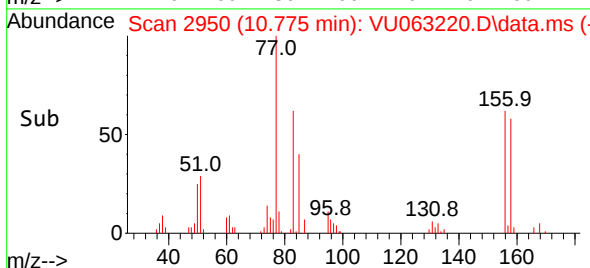
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

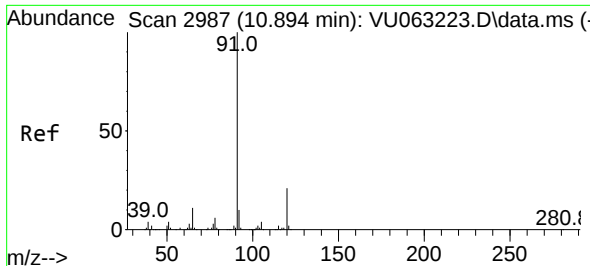


#72
Bromobenzene
Concen: 1.016 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion:156 Resp: 15611
Ion Ratio Lower Upper
156 100
77 161.9 0.0 343.6
158 96.3 0.0 193.0





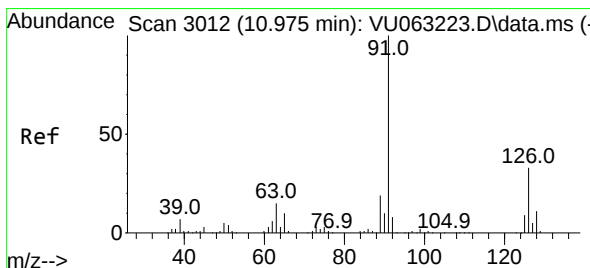
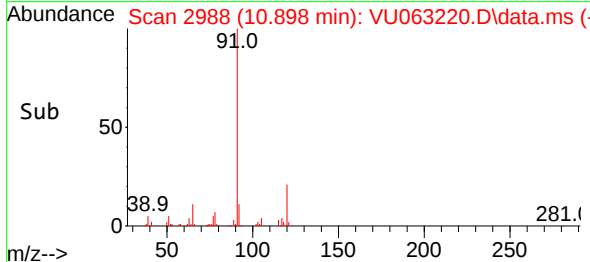
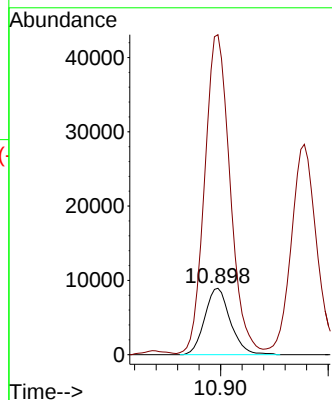
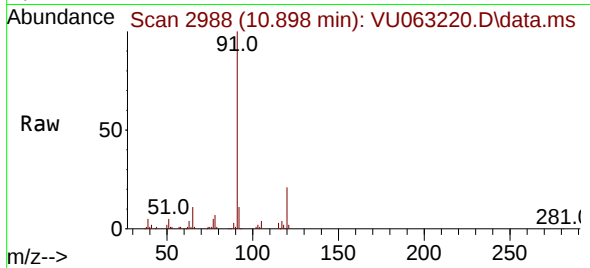
#73
n-propylbenzene
Concen: 0.904 ug/l
RT: 10.898 min Scan# 2987
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:120 Resp: 1476
Ion Ratio Lower Upper
120 100
91 476.2 369.8 554.6

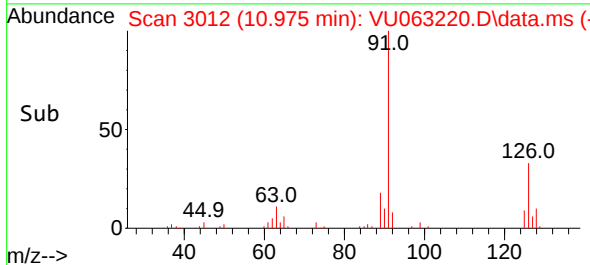
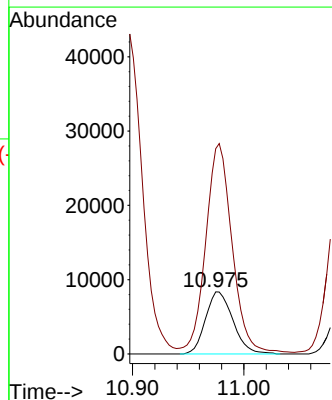
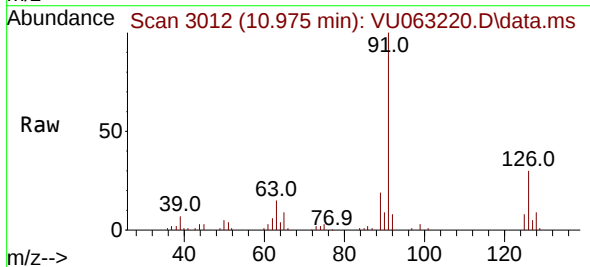
Manual Integrations
APPROVED

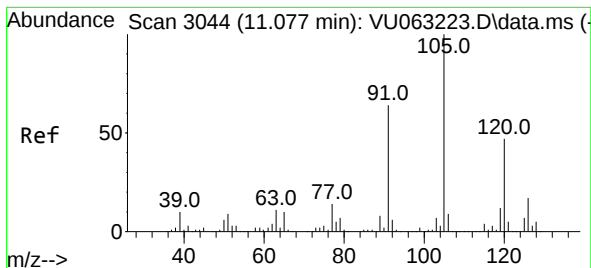
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#74
2-Chlorotoluene
Concen: 0.952 ug/l
RT: 10.975 min Scan# 3012
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Tgt Ion:126 Resp: 14317
Ion Ratio Lower Upper
126 100
91 322.6 0.0 623.8





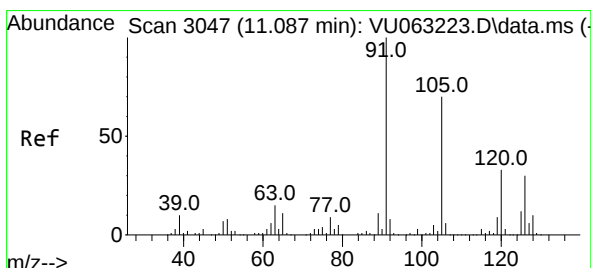
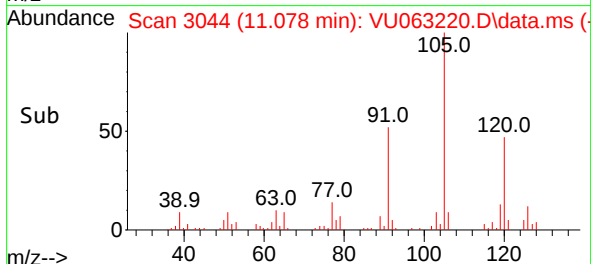
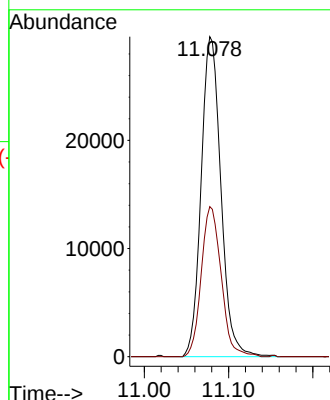
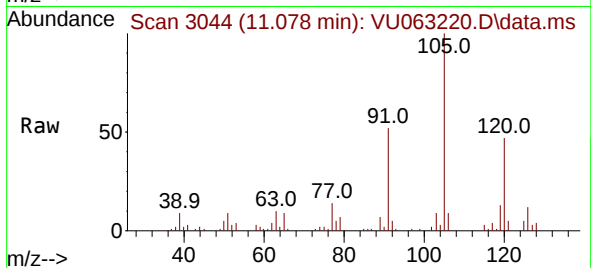
#75
1,3,5-Trimethylbenzene
Concen: 0.916 ug/l
RT: 11.078 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:105 Resp: 4840
Ion Ratio Lower Upper
105 100
120 47.2 37.3 55.9

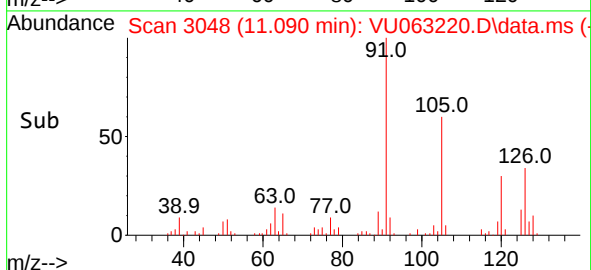
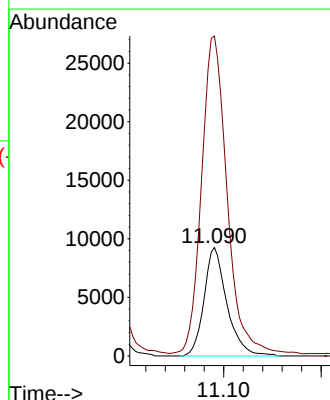
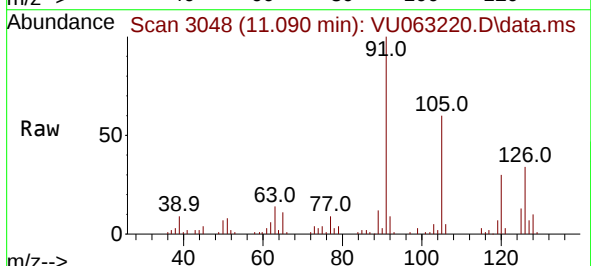
Manual Integrations
APPROVED

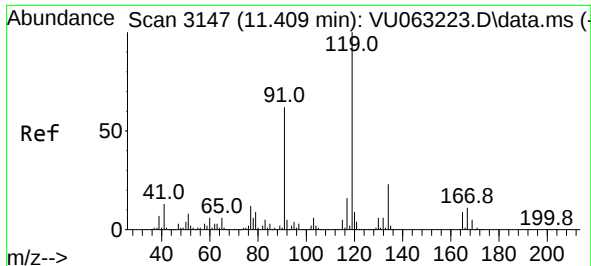
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#76
4-Chlorotoluene
Concen: 0.975 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

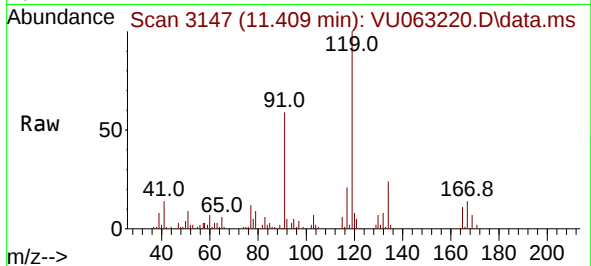
Tgt Ion:126 Resp: 15039
Ion Ratio Lower Upper
126 100
91 327.4 0.0 703.6





#77
tert-Butylbenzene
Concen: 0.953 ug/l
RT: 11.409 min Scan# 3147
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

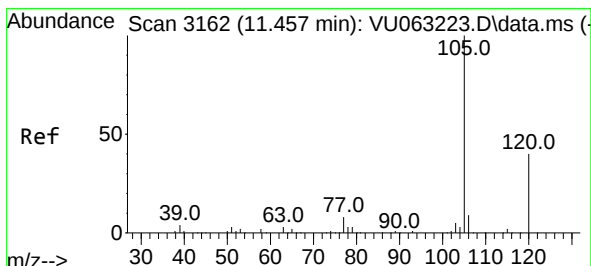
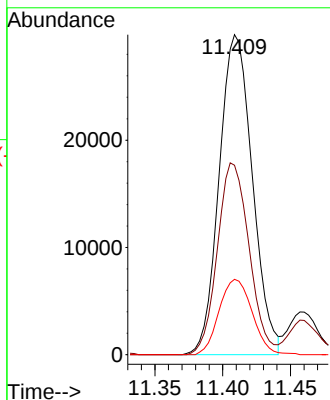
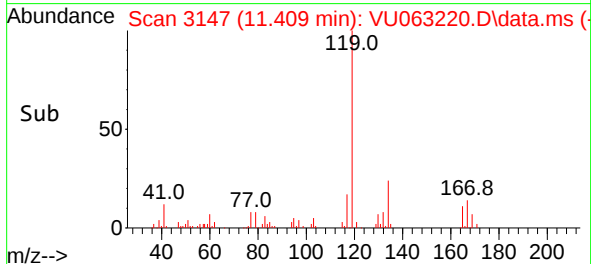
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



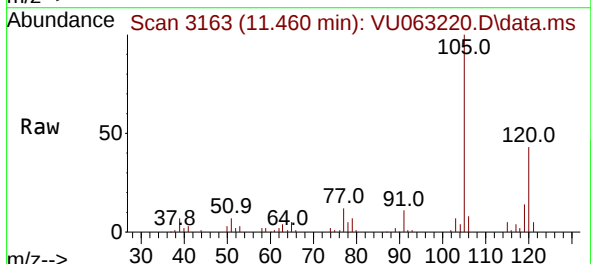
Tgt Ion:119 Resp: 50914
Ion Ratio Lower Upper
119 100
91 57.4 29.4 88.3
134 23.4 17.6 26.4

Manual Integrations
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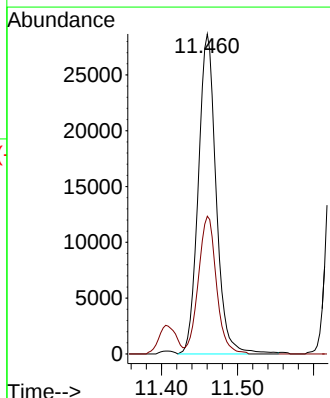
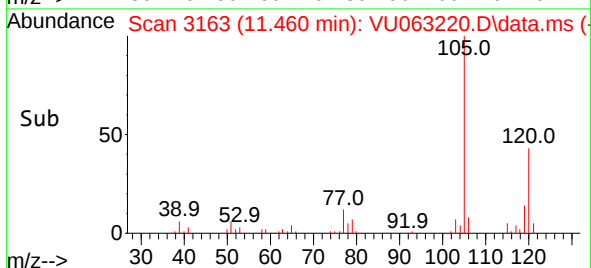
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

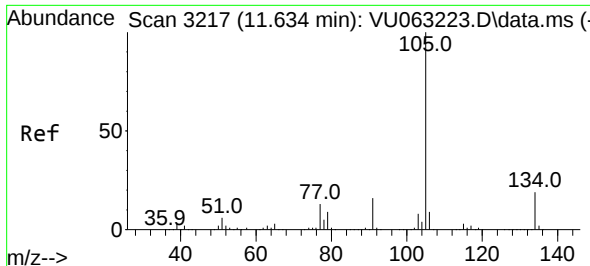


#78
1,2,4-Trimethylbenzene
Concen: 0.891 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion:105 Resp: 46689
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7





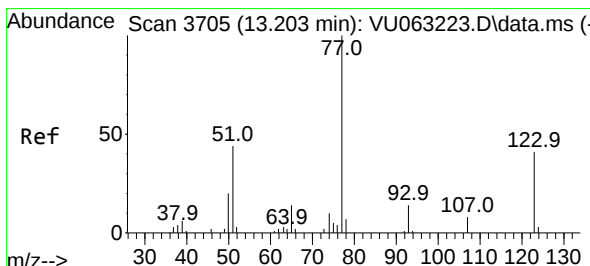
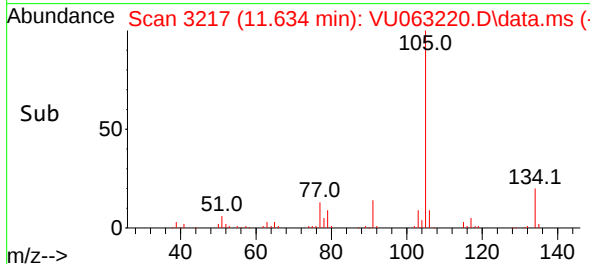
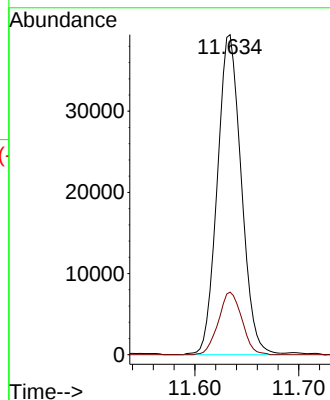
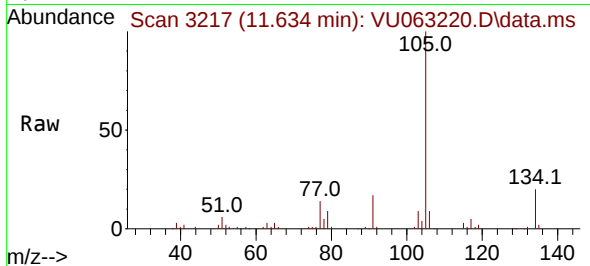
#79
 sec-Butylbenzene
 Concen: 0.930 ug/l
 RT: 11.634 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 63220
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.1 22.7

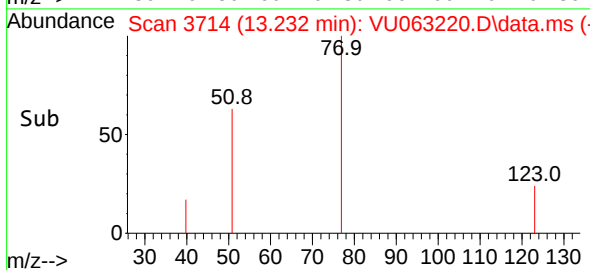
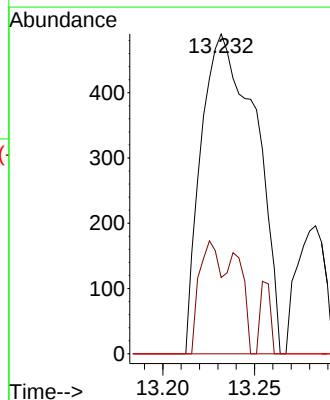
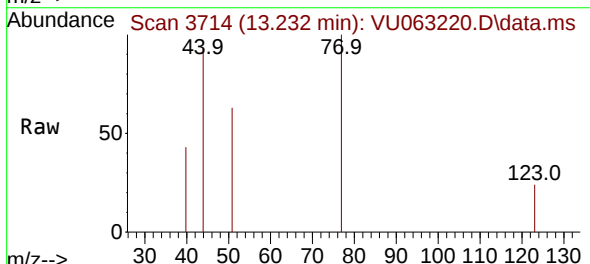
Manual Integrations
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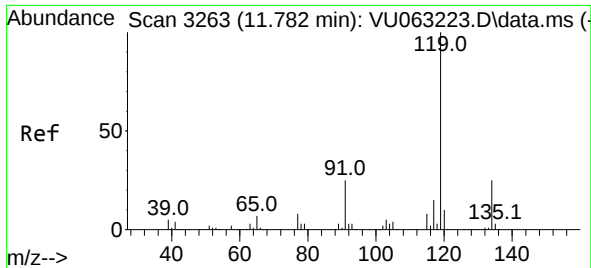
Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025



#80
 Nitrobenzene
 Concen: 5.911 ug/l
 RT: 13.232 min Scan# 3714
 Delta R.T. 0.029 min
 Lab File: VU063220.D
 Acq: 10 Feb 2025 13:23

Tgt Ion: 77 Resp: 1014
 Ion Ratio Lower Upper
 77 100
 123 13.5 18.9 67.1#
 65 0.0 11.9 15.1#





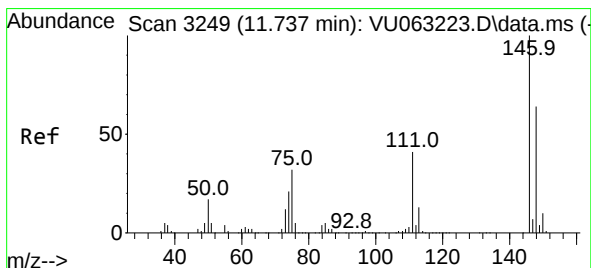
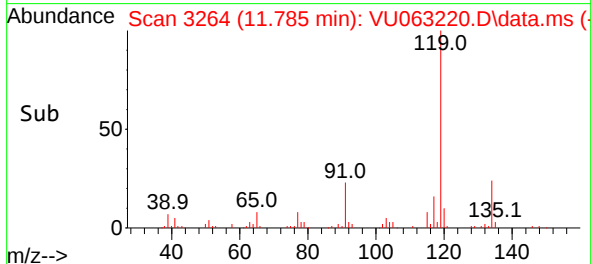
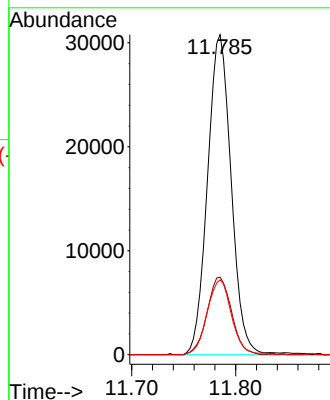
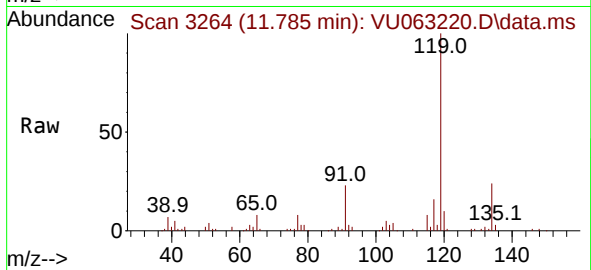
#81
p-Isopropyltoluene
Concen: 0.905 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 48578
Ion Ratio Lower Upper
119 100
134 25.0 20.3 30.5
91 24.1 19.4 29.2

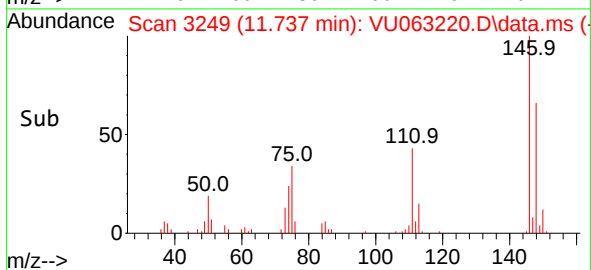
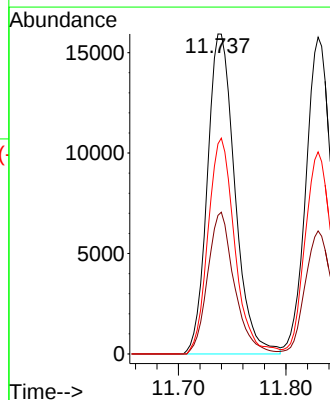
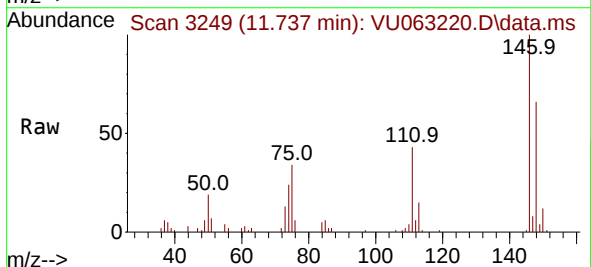
Manual Integrations
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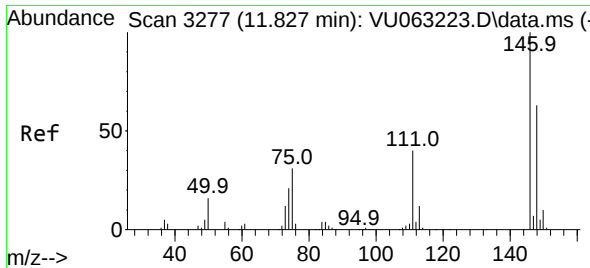
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#82
1,3-Dichlorobenzene
Concen: 0.953 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

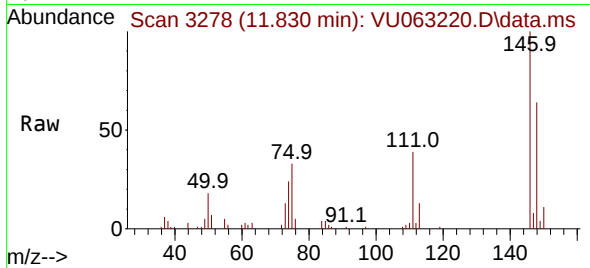
Tgt Ion:146 Resp: 28406
Ion Ratio Lower Upper
146 100
111 42.9 32.8 49.2
148 65.4 51.1 76.7





#83
1,4-Dichlorobenzene
Concen: 0.910 ug/l
RT: 11.830 min Scan# 3277
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

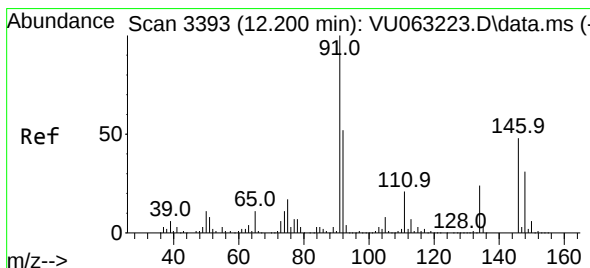
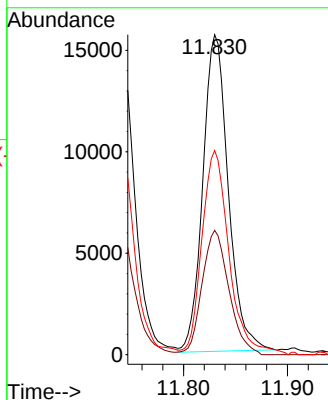
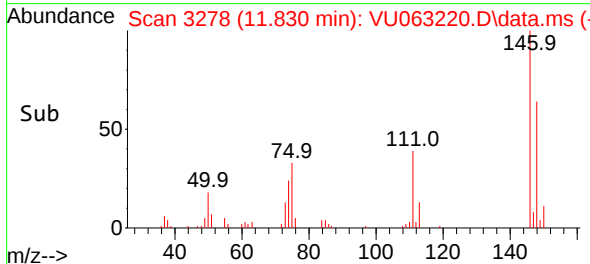
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



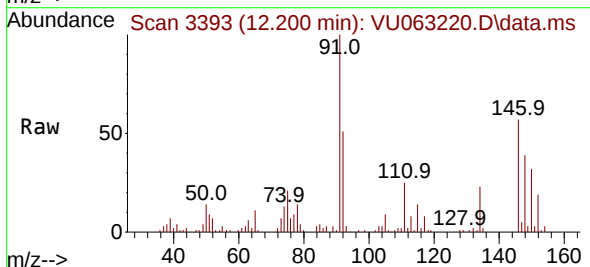
Tgt Ion:146 Resp: 26529
Ion Ratio Lower Upper
146 100
111 41.5 32.1 48.1
148 69.0 50.2 75.4

Manual Integrations
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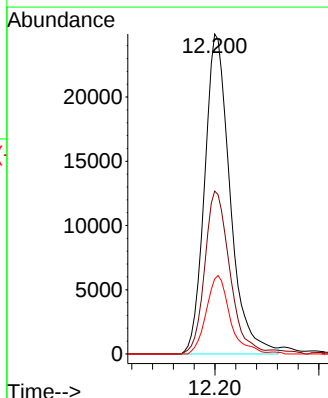
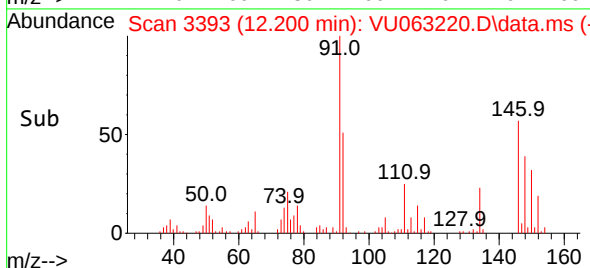
Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

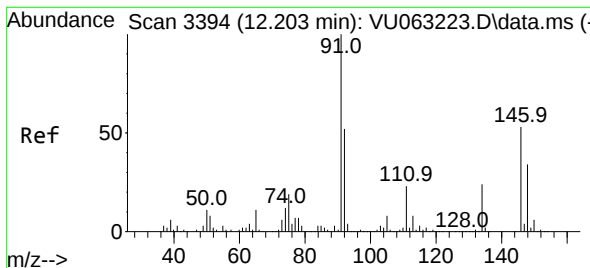


#84
n-Butylbenzene
Concen: 0.876 ug/l
RT: 12.200 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion: 91 Resp: 42404
Ion Ratio Lower Upper
91 100
92 49.9 41.8 62.8
134 22.8 18.6 28.0





#85

1,2-Dichlorobenzene

Concen: 0.969 ug/l

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 2774

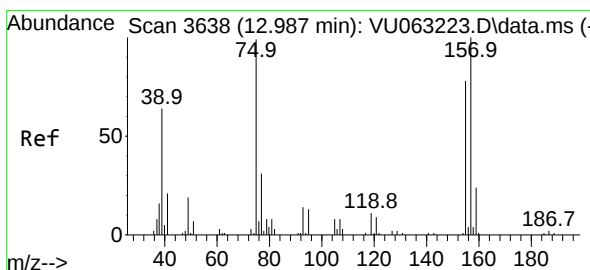
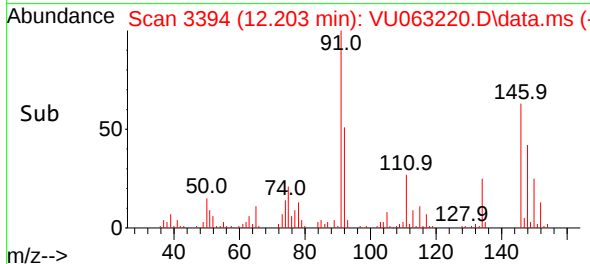
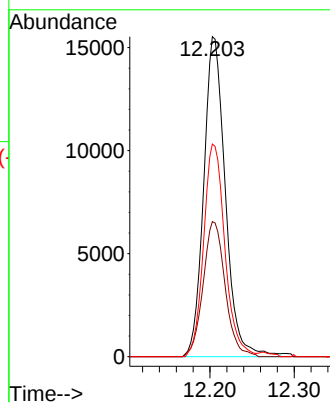
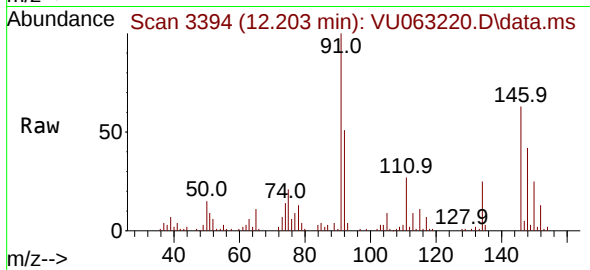
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	65.4	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.982 ug/l

RT: 12.997 min Scan# 3641

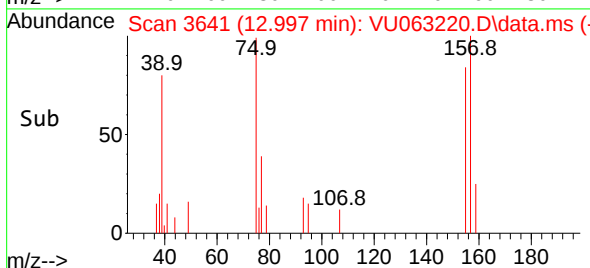
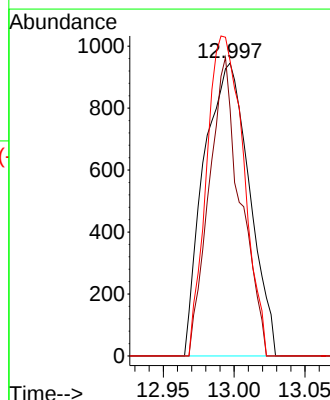
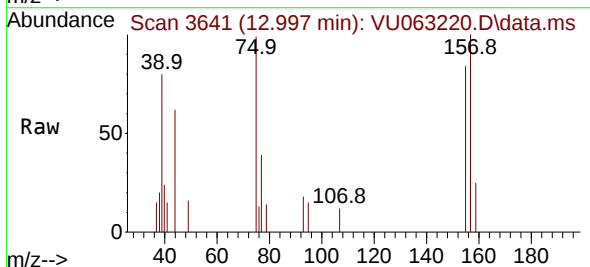
Delta R.T. 0.010 min

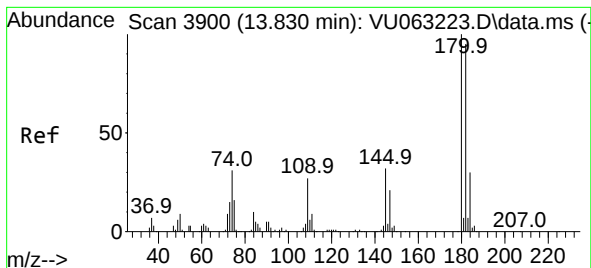
Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Tgt Ion: 75 Resp: 2103

Ion	Ratio	Lower	Upper
75	100		
155	71.2	63.5	95.3
157	89.2	81.8	122.6





#87

1,2,4-Trichlorobenzene

Concen: 0.909 ug/l

RT: 13.836 min Scan# 3900

Delta R.T. 0.007 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

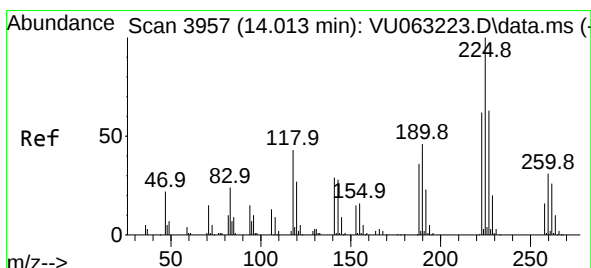
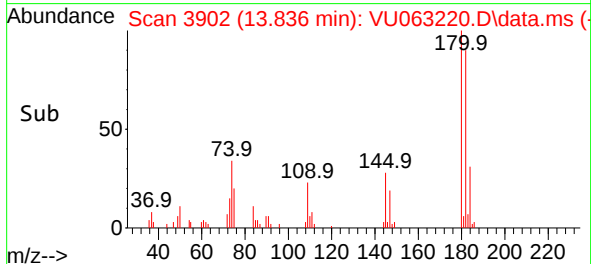
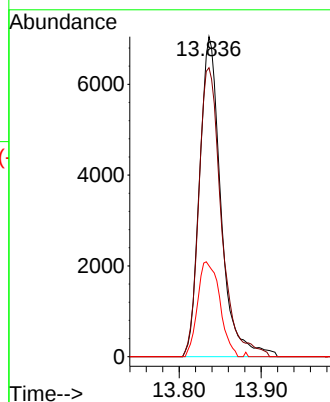
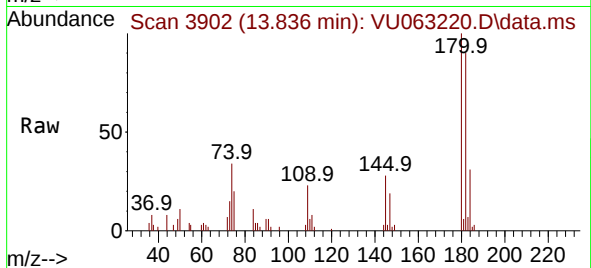
Tgt Ion:180	Resp:	1269
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.6 115.0
145	30.9	25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#88

Hexachlorobutadiene

Concen: 1.020 ug/l

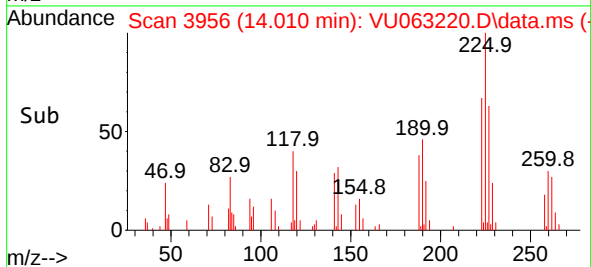
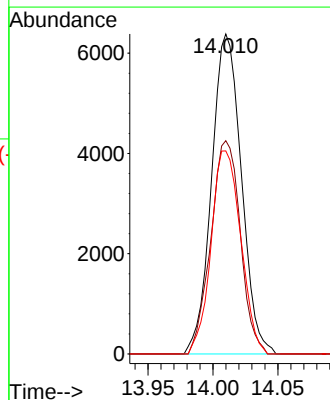
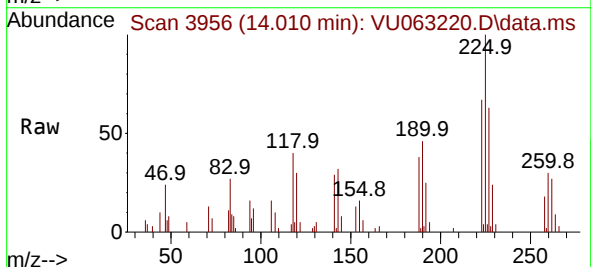
RT: 14.010 min Scan# 3956

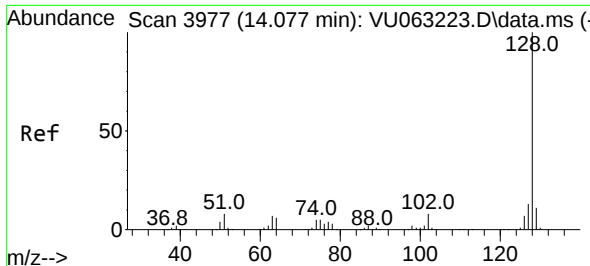
Delta R.T. -0.003 min

Lab File: VU063220.D

Acq: 10 Feb 2025 13:23

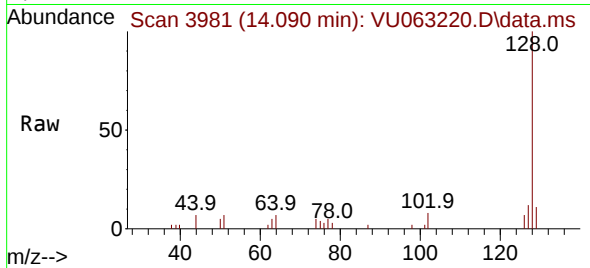
Tgt Ion:225	Resp:	10179
Ion Ratio	Lower	Upper
225	100	
223	65.9	49.5 74.3
227	63.2	51.0 76.4





#89
Naphthalene
Concen: 1.192 ug/l
RT: 14.090 min Scan# 3977
Delta R.T. 0.013 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23

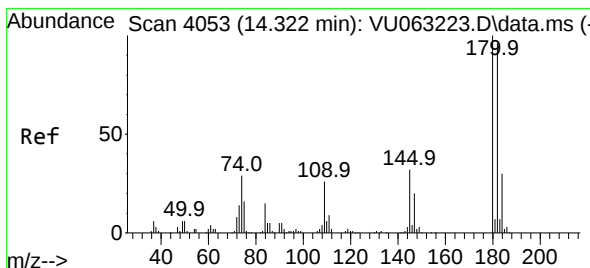
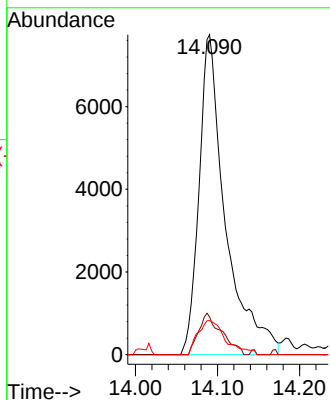
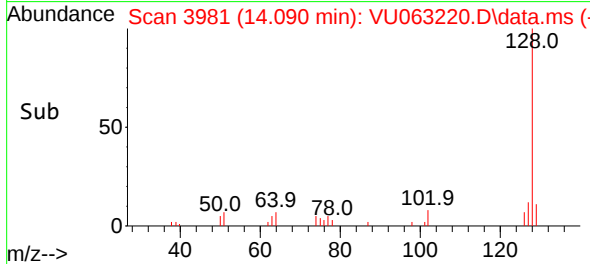
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



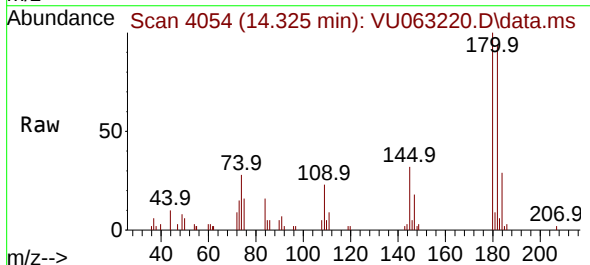
Tgt Ion:128 Resp: 1727
Ion Ratio Lower Upper
128 100
127 11.3 10.6 16.0
129 11.3 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#90
1,2,3-Trichlorobenzene
Concen: 0.894 ug/l
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU063220.D
Acq: 10 Feb 2025 13:23



Tgt Ion:180 Resp: 12218
Ion Ratio Lower Upper
180 100
182 93.2 78.2 117.2
145 31.9 26.1 39.1

