

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063055.D
 Acq On : 28 Jan 2025 08:10
 Operator : MD/SY
 Sample : Q1196-02MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2964MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025

Quant Time: Jan 29 08:22:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.344	114	117415	5.000	ug/L	0.11
28) Chlorobenzene-d5	9.431	117	103797	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	61227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.708	65	20942	4.962	ug/L	0.11
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	2.029	69	21668	6.761	ug/L	0.13
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.200%#
11) 1,1-Dichloroethene-d2	2.685	65	14380	5.697	ug/L	0.13
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.000%
20) 2-Butanone-d5	4.798	46	30963	25.275	ug/L	0.20
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.560%
24) Chloroform-d	5.139	84	55136	3.288	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.800%#
26) 1,2-Dichloroethane-d4	5.827	65	38594	4.032	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	5.849	84	105137	4.433	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.772	67	25663	4.249	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.939	98	106166	4.527	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.213	79	16536	4.423	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.663	63	41241	44.208	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.420%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	23999	4.185	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	48114	4.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.505	85	54953	5.225	ug/L	100
3) Chloromethane	1.631	50	25625m	5.065	ug/L	
5) Vinyl chloride	1.714	62	32466	5.748	ug/L	88
6) Bromomethane	1.972	94	13906	5.146	ug/L	95
8) Chloroethane	2.049	64	21449	7.520	ug/L	94
9) Trichlorofluoromethane	2.255	101	91015	6.373	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.698	101	42059	5.986	ug/L	91
12) 1,1-Dichloroethene	2.701	96	36905	6.050	ug/L	89
13) Acetone	2.859	43	71081m	89.736	ug/L	
14) Carbon disulfide	2.914	76	109983	7.038	ug/L	100
15) Methyl Acetate	3.126	43	22722m	14.937	ug/L	
16) Methylene chloride	3.177	84	35987	5.597	ug/L	97
17) Methyl tert-butyl Ether	3.521	73	104421	5.715	ug/L	97
18) trans-1,2-Dichloroethene	3.480	96	39196	6.005	ug/L	98
19) 1,1-Dichloroethane	3.997	63	46575	4.116	ug/L	96
21) 2-Butanone	4.869	43	33477	30.987	ug/L	86
22) cis-1,2-Dichloroethene	4.762	96	30277	3.881	ug/L	84
23) Bromochloromethane	5.049	128	15898	4.061	ug/L #	74
25) Chloroform	5.161	83	57738	3.532	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.917	62	47764	4.168	ug/L	98
29) 1,1,1-Trichloroethane	5.396	97	77914	4.841	ug/L	98
30) Cyclohexane	5.470	56	36594	4.881	ug/L #	78
31) Carbon tetrachloride	5.627	117	74725	4.822	ug/L	100
33) Benzene	5.891	78	144835	5.760	ug/L	100
34) Trichloroethene	6.624	95	54296	6.354	ug/L	92
35) Methylcyclohexane	6.833	83	52585	4.884	ug/L	92
37) 1,2-Dichloropropane	6.869	63	24722	4.371	ug/L #	94
38) Bromodichloromethane	7.168	83	53220	4.696	ug/L	98
39) cis-1,3-Dichloropropene	7.656	75	48163	4.523	ug/L	98
40) 4-Methyl-2-pentanone	7.840	43	121288	44.453	ug/L #	94
42) Toluene	8.007	91	316328	10.583	ug/L	100
44) trans-1,3-Dichloropropene	8.241	75	45596	4.649	ug/L	99
45) 1,1,2-Trichloroethane	8.431	97	24377	4.580	ug/L	89
47) Tetrachloroethene	8.579	164	345437	46.479	ug/L	92
48) 2-Hexanone	8.711	43	82657m	43.677	ug/L	
49) Dibromochloromethane	8.833	129	39724	4.782	ug/L	93
50) 1,2-Dibromoethane	8.949	107	25290	4.703	ug/L	100
51) Chlorobenzene	9.460	112	102469	4.944	ug/L	94
52) Ethylbenzene	9.582	91	234710	6.738	ug/L	97
53) m,p-Xylene	9.701	106	143002	10.630	ug/L	100
54) o-Xylene	10.106	106	107971	8.761	ug/L	98
55) Styrene	10.119	104	114803	5.510	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.782	83	25583	4.296	ug/L #	93
59) Bromoform	10.296	173	27388	4.707	ug/L	98
60) Isopropylbenzene	10.486	105	197352	5.087	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	19428	3.943	ug/L	92
62) 1,3,5-Trimethylbenzene	11.084	105	187096	5.500	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	221157	6.874	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	94423	4.794	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	94021	4.758	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	82780	4.467	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	6629	5.088	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.209	180	79108	5.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	72554	5.892	ug/L	99
71) Naphthalene	14.074	128	640039	40.502	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	63620	5.979	ug/L	95

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

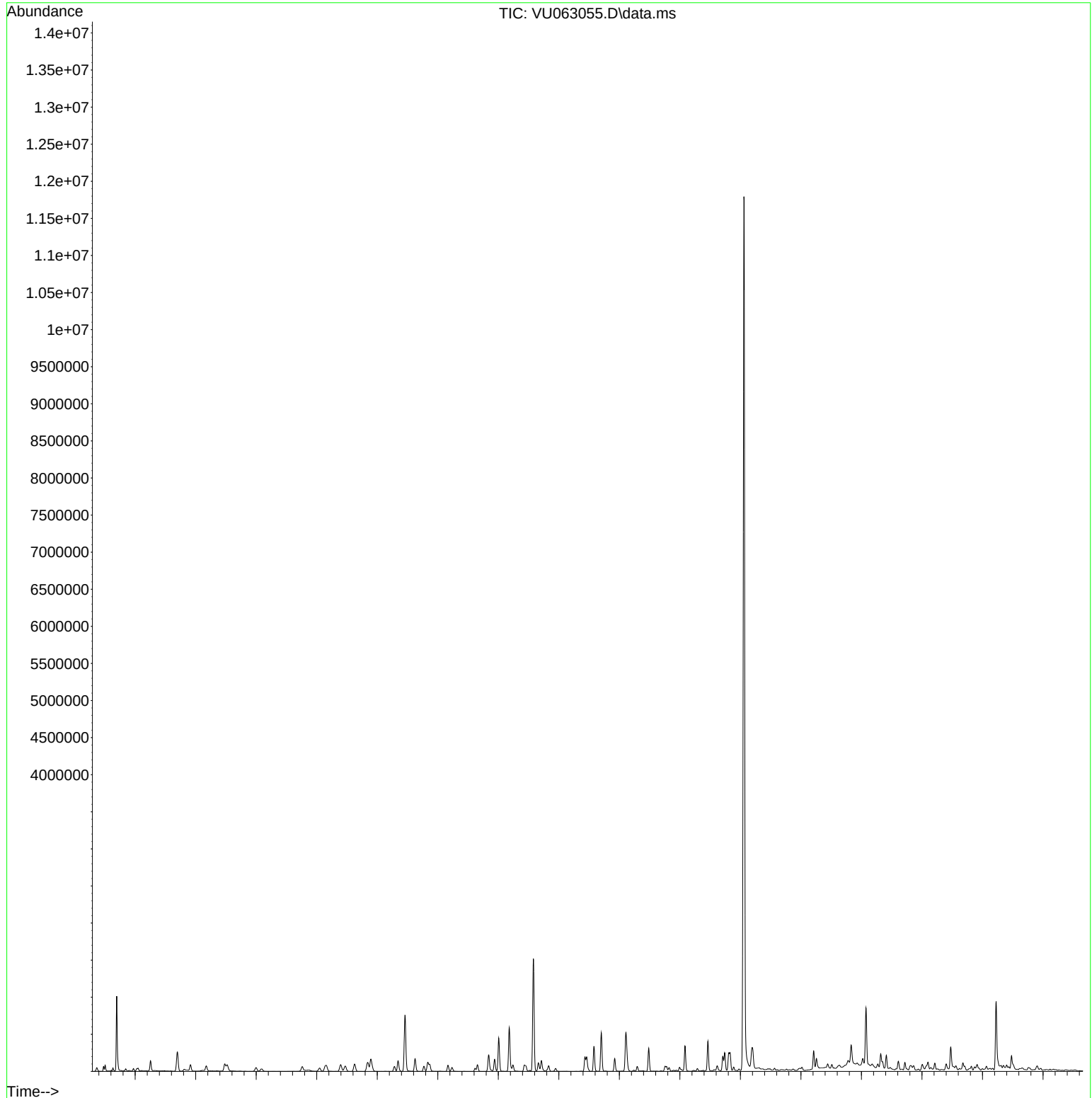
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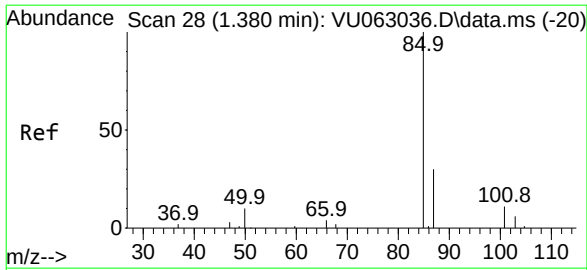
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ClientSampleId :
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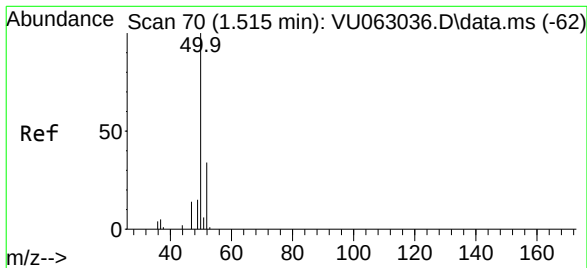
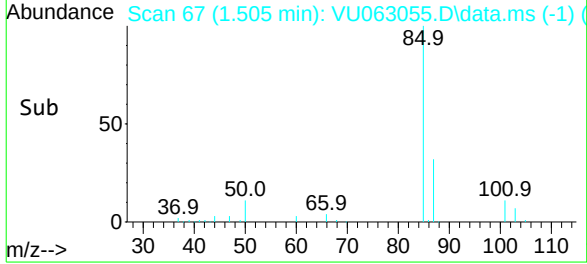
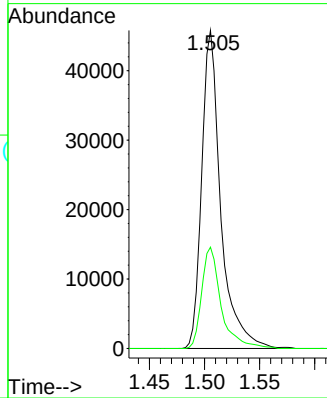
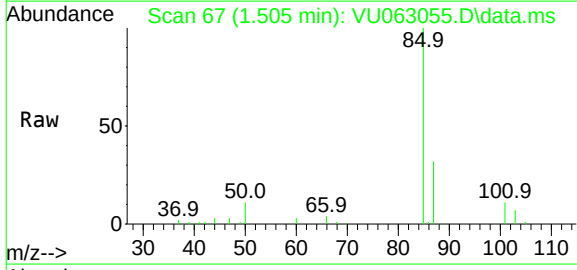
#2
 Dichlorodifluoromethane
 Concen: 5.225 ug/L
 RT: 1.505 min Scan# 67
 Delta R.T. 0.125 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Instrument :
 MSVOA_U
 ClientSampleId :
 E2964MS

Tgt Ion: 85 Resp: 54953
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1

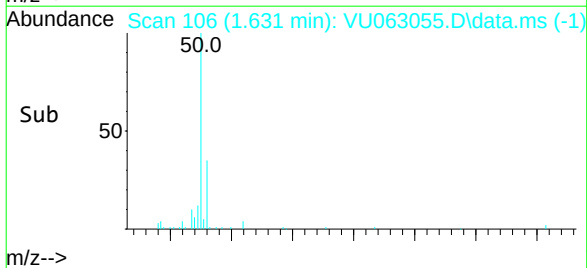
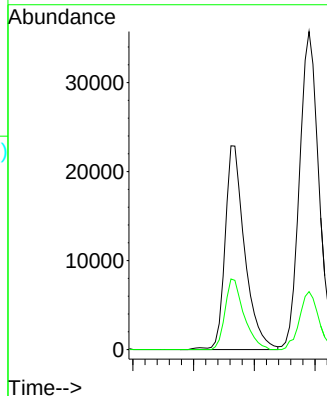
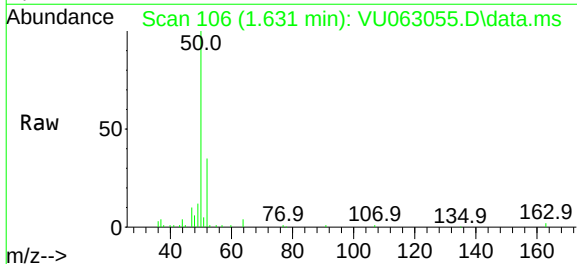
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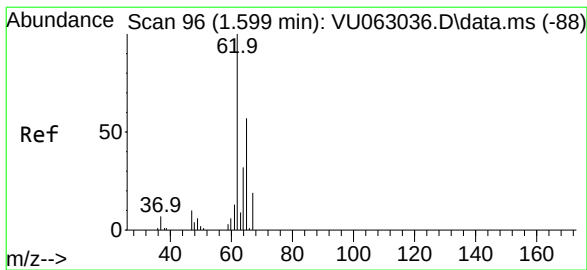
Reviewed By :Mahesh Dadoda 01/30/2025
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#3
 Chloromethane
 Concen: 5.065 ug/L m
 RT: 1.631 min Scan# 106
 Delta R.T. 0.116 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion: 50 Resp: 25625
 Ion Ratio Lower Upper
 50 100
 52 34.7 24.1 44.7





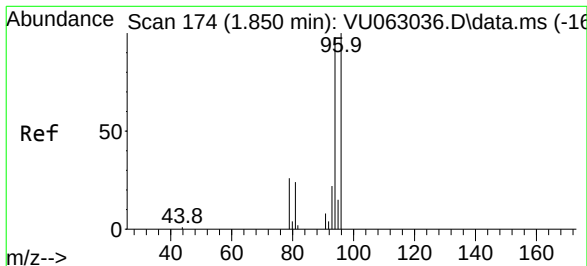
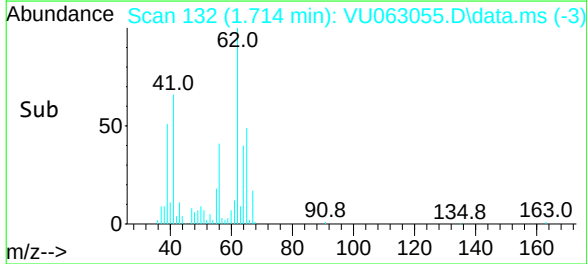
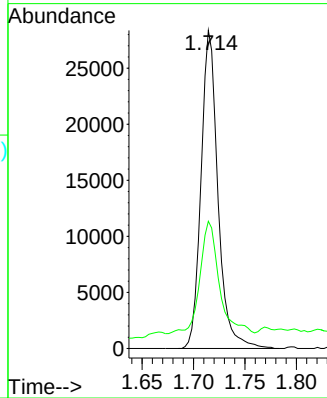
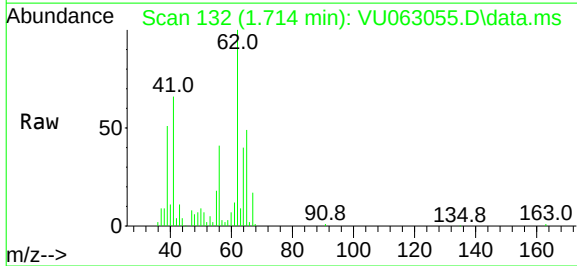
#5
 Vinyl chloride
 Concen: 5.748 ug/L
 RT: 1.714 min Scan# 13
 Delta R.T. 0.116 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Instrument :
 MSVOA_U
 ClientSampleId :
 E2964MS

Tgt Ion: 62 Resp: 32466
 Ion Ratio Lower Upper
 62 100
 64 40.0 23.4 43.4

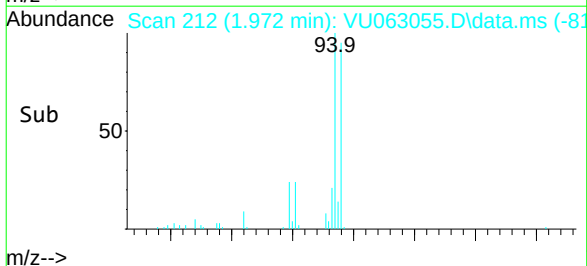
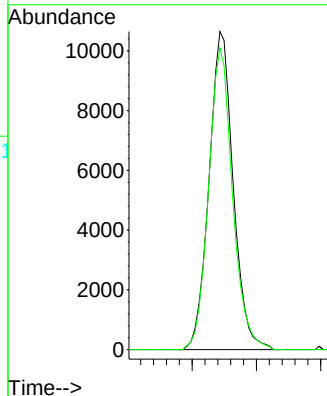
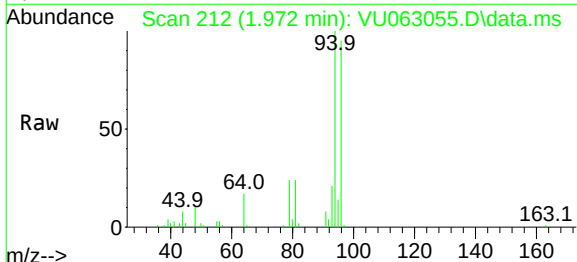
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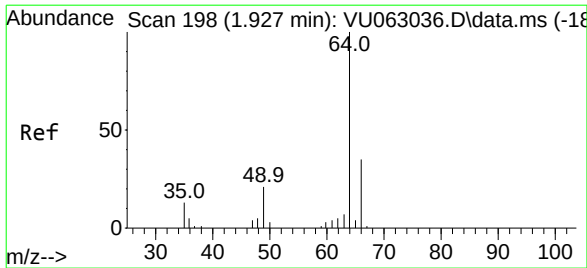
Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025



#6
 Bromomethane
 Concen: 5.146 ug/L
 RT: 1.972 min Scan# 212
 Delta R.T. 0.122 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

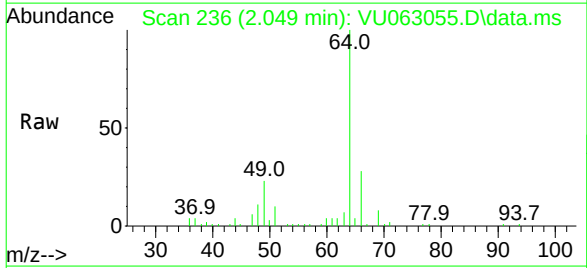
Tgt Ion: 94 Resp: 13906
 Ion Ratio Lower Upper
 94 100
 96 94.8 62.9 116.7





#8
Chloroethane
Concen: 7.520 ug/L
RT: 2.049 min Scan# 23
Delta R.T. 0.122 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

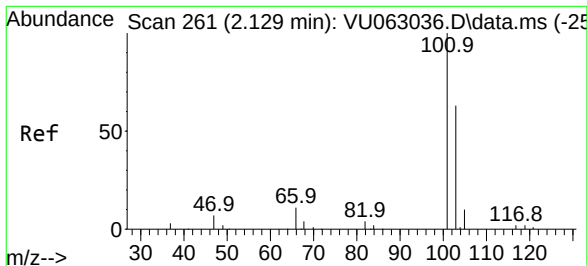
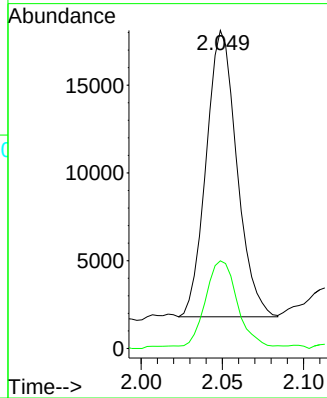
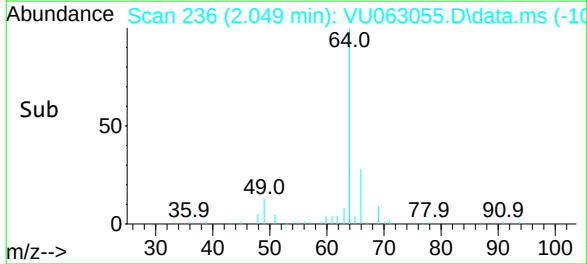
Instrument :
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E2964MS



Tgt Ion: 64 Resp: 21449
Ion Ratio Lower Upper
64 100
66 27.6 21.6 40.2

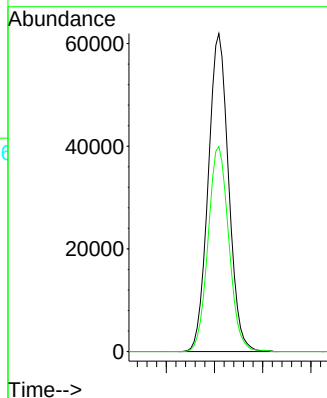
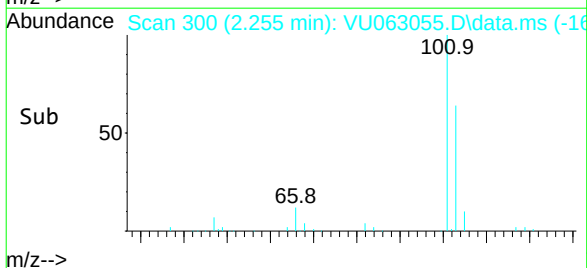
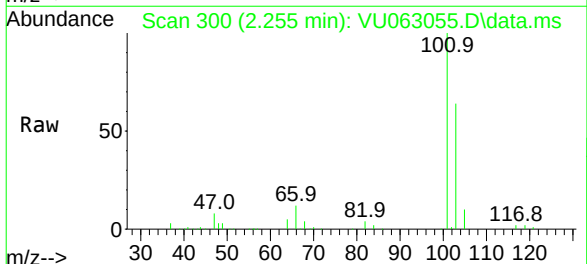
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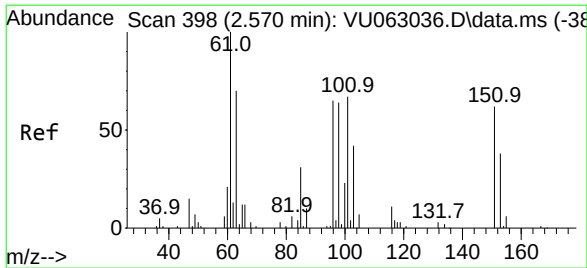
Reviewed By :Mahesh Dadoda 01/30/2025
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#9
Trichlorofluoromethane
Concen: 6.373 ug/L
RT: 2.255 min Scan# 300
Delta R.T. 0.125 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:101 Resp: 91015
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.0





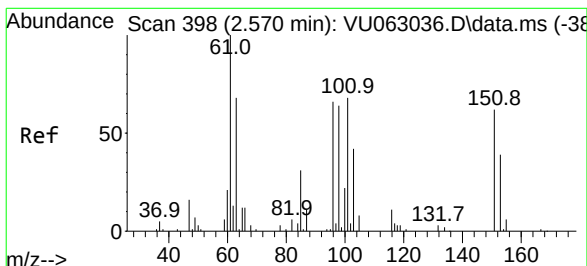
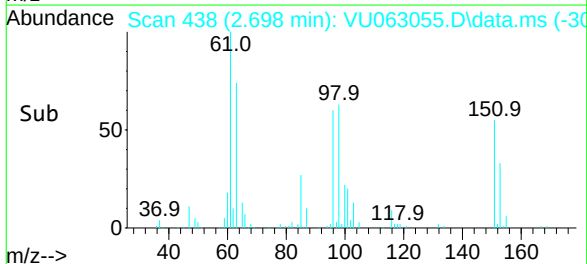
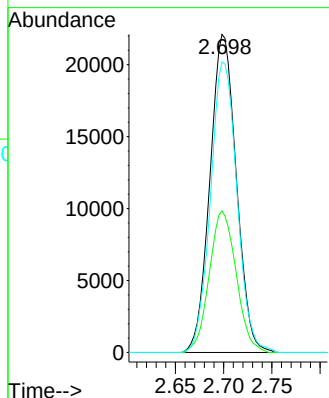
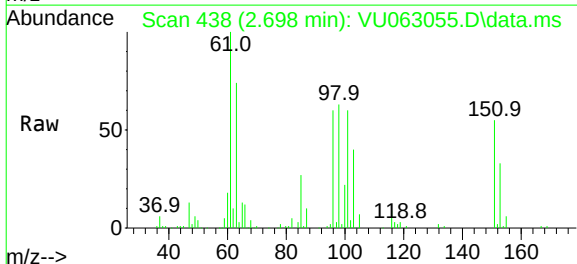
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.986 ug/L
RT: 2.698 min Scan# 438
Delta R.T. 0.128 min
Lab File: VU063055.D
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Tgt Ion: 101 Resp: 42059
Ion Ratio Lower Upper
101 100
85 45.4 37.0 55.6
151 92.0 64.4 96.6

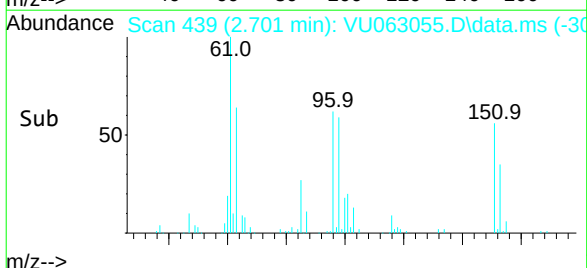
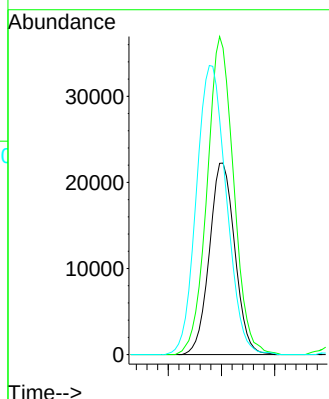
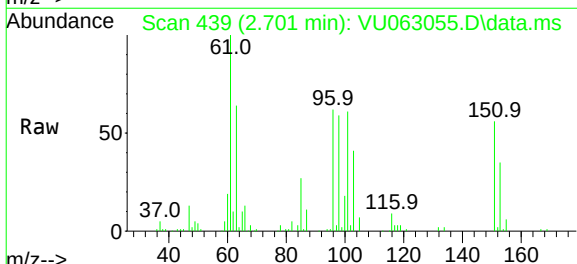
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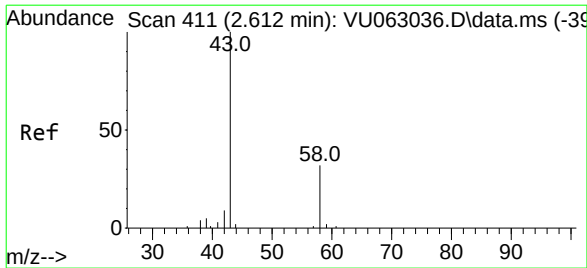
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#12
1,1-Dichloroethene
Concen: 6.050 ug/L
RT: 2.701 min Scan# 439
Delta R.T. 0.132 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 96 Resp: 36905
Ion Ratio Lower Upper
96 100
61 160.1 120.4 223.6
63 102.5 82.3 152.9





#13

Acetone

Concen: 89.736 ug/L m

RT: 2.859 min Scan# 48

Delta R.T. 0.247 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

E2964MS

Tgt Ion: 43 Resp: 71081

Ion Ratio Lower Upper

43 100

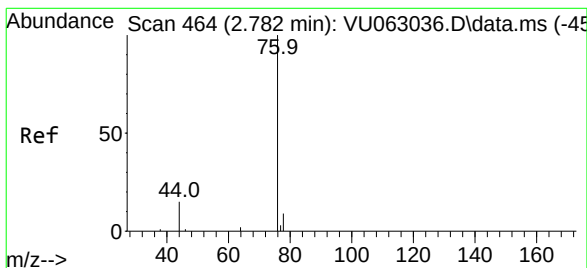
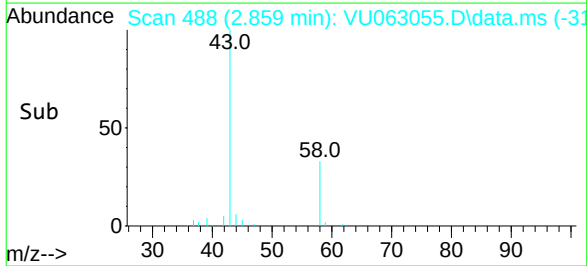
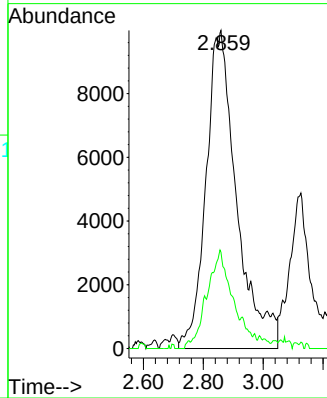
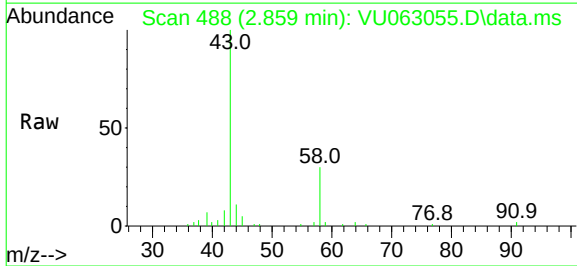
58 8.5 0.0 64.4

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#14

Carbon disulfide

Concen: 7.038 ug/L

RT: 2.914 min Scan# 505

Delta R.T. 0.132 min

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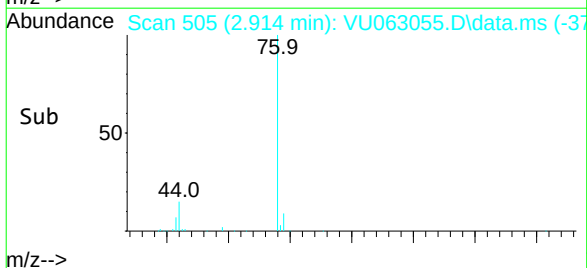
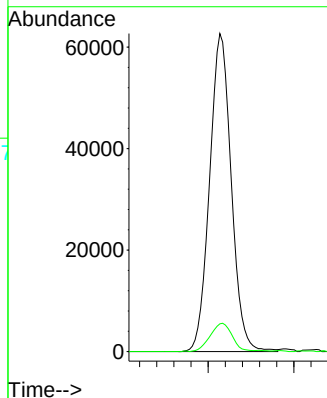
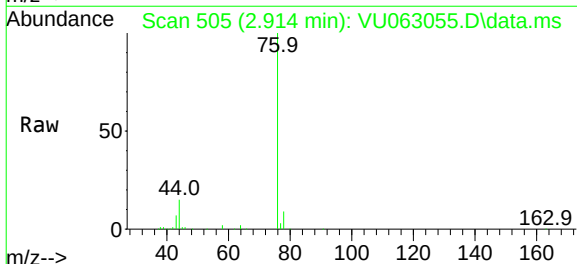
Acq: 28 Jan 2025 08:10

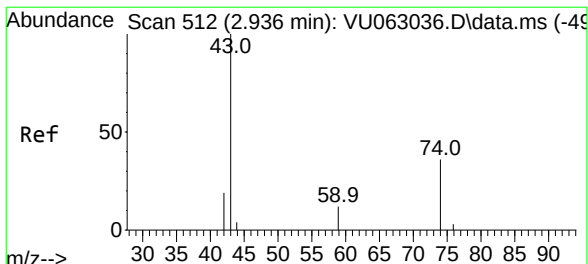
Tgt Ion: 76 Resp: 109983

Ion Ratio Lower Upper

76 100

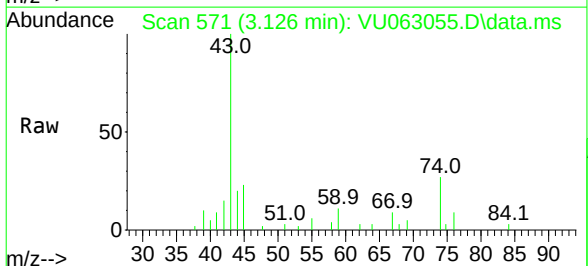
78 8.7 7.0 10.6





#15
Methyl Acetate
 Concen: 14.937 ug/L m
 RT: 3.126 min Scan# 571
 Delta R.T. 0.190 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

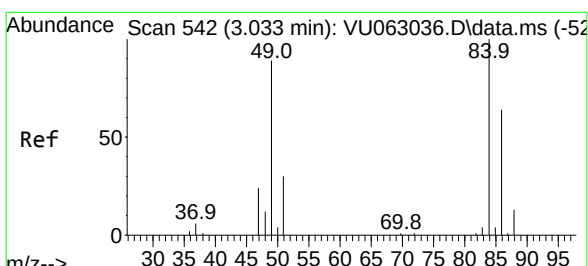
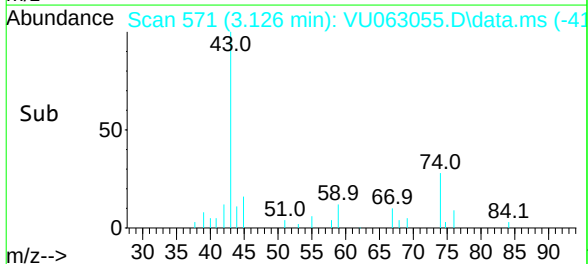
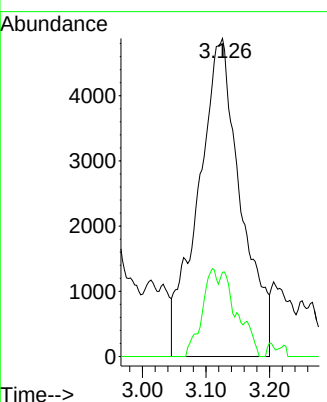
Instrument : MSVOA_U
ClientSampleId : E2964MS



Tgt Ion: 43 Resp: 22722

Ion	Ratio	Lower	Upper
43	100		
74	0.0	24.4	36.6

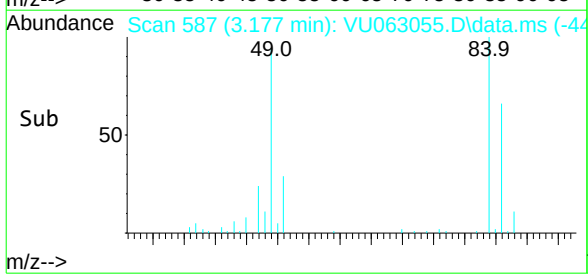
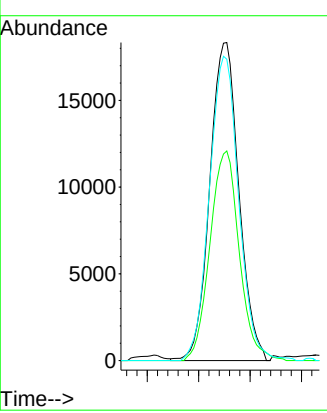
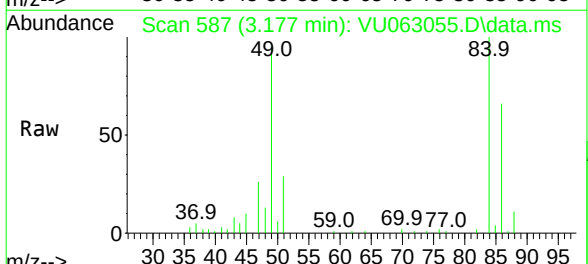
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025

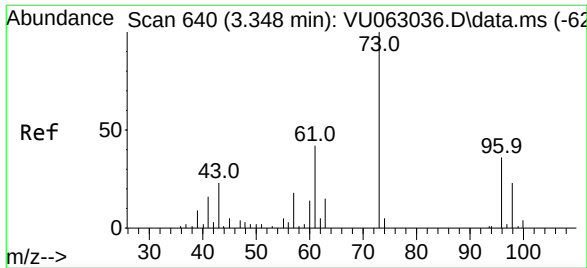


#16
Methylene chloride
 Concen: 5.597 ug/L
 RT: 3.177 min Scan# 587
 Delta R.T. 0.145 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion: 84 Resp: 35987

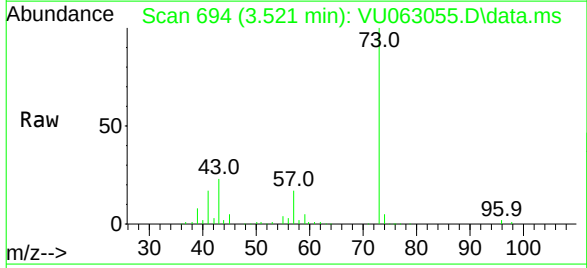
Ion	Ratio	Lower	Upper
84	100		
86	65.9	44.7	83.1
49	94.8	68.3	126.9





#17
Methyl tert-butyl Ether
Concen: 5.715 ug/L
RT: 3.521 min Scan# 69
Delta R.T. 0.173 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

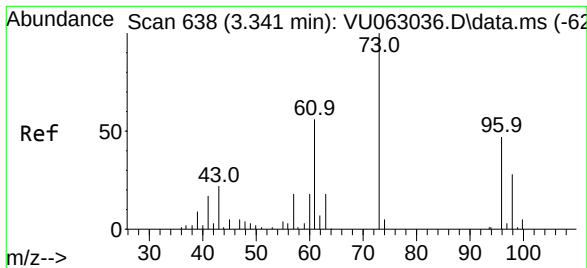
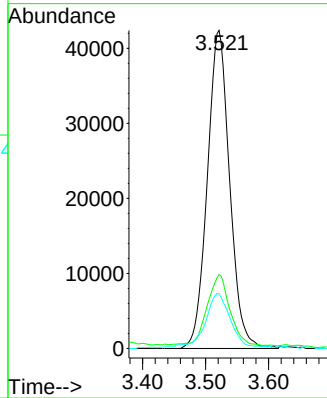
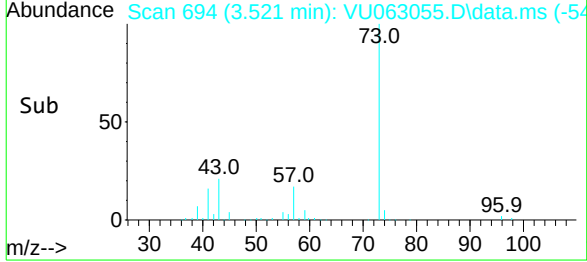
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



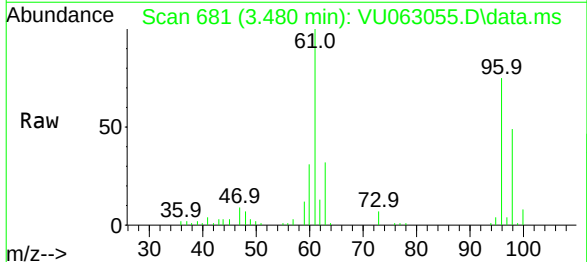
Tgt Ion: 73 Resp: 104421
Ion Ratio Lower Upper
73 100
43 22.6 16.2 24.4
57 18.1 14.6 22.0

Manual Integrations
APPROVED

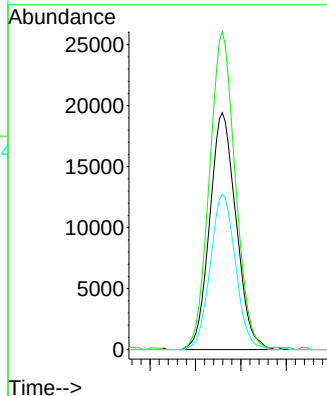
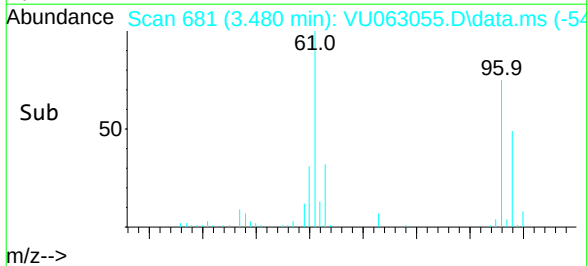
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025

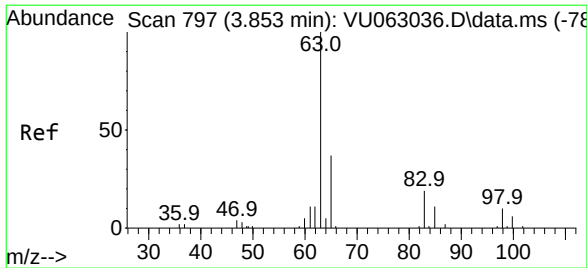


#18
trans-1,2-Dichloroethene
Concen: 6.005 ug/L
RT: 3.480 min Scan# 681
Delta R.T. 0.138 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10



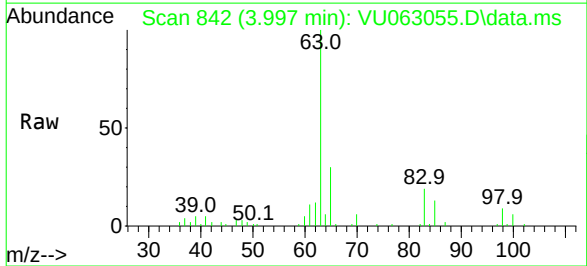
Tgt Ion: 96 Resp: 39196
Ion Ratio Lower Upper
96 100
61 134.2 94.4 175.2
98 65.5 42.8 79.4





#19
1,1-Dichloroethane
Concen: 4.116 ug/L
RT: 3.997 min Scan# 84
Delta R.T. 0.145 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

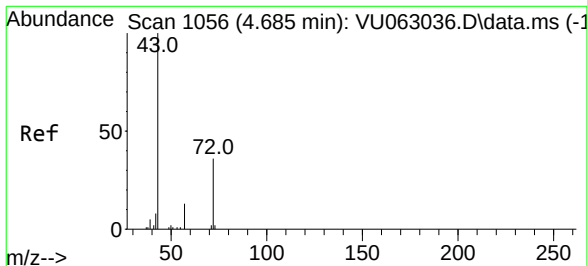
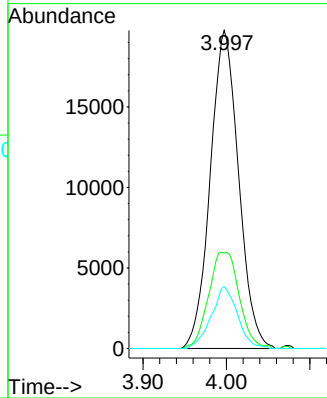
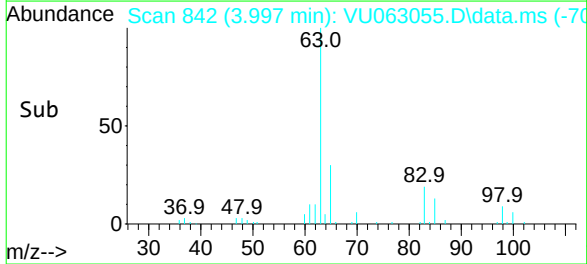
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



Tgt Ion: 63 Resp: 46575
Ion Ratio Lower Upper
63 100
65 30.1 20.7 38.5
83 19.5 10.5 19.5

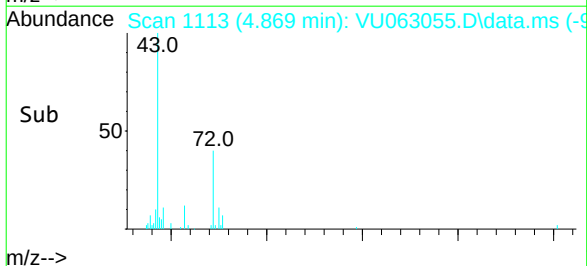
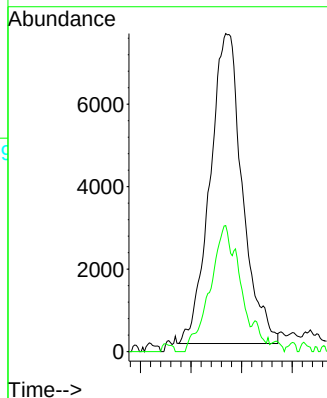
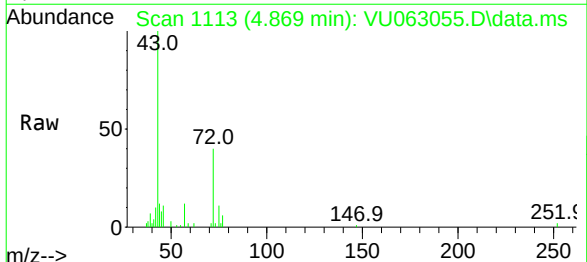
Manual Integrations
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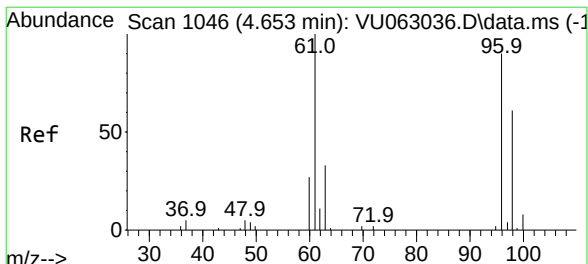
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#21
2-Butanone
Concen: 30.987 ug/L
RT: 4.869 min Scan# 1113
Delta R.T. 0.183 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

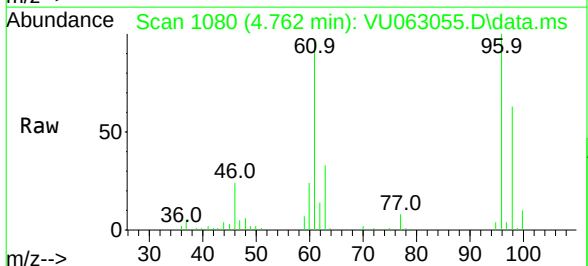
Tgt Ion: 43 Resp: 33477
Ion Ratio Lower Upper
43 100
72 26.0 17.1 51.2





#22
 cis-1,2-Dichloroethene
 Concen: 3.881 ug/L
 RT: 4.762 min Scan# 1046
 Delta R.T. 0.109 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

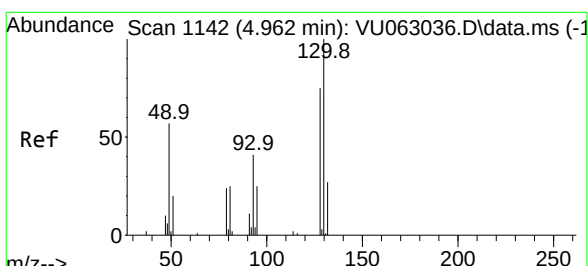
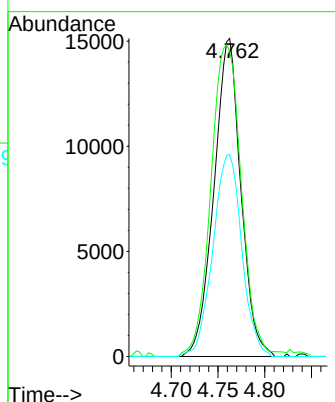
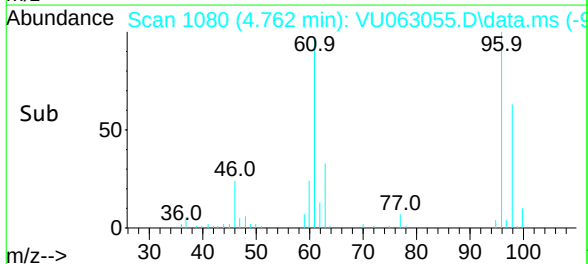
Instrument : MSVOA_U
 ClientSampleId : E2964MS



Tgt Ion	Ratio	Lower	Upper
96	100		
61	95.9	84.8	157.6
98	63.5	43.1	80.1

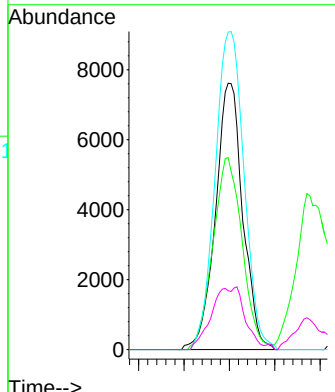
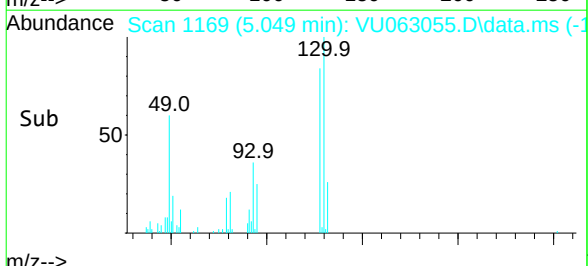
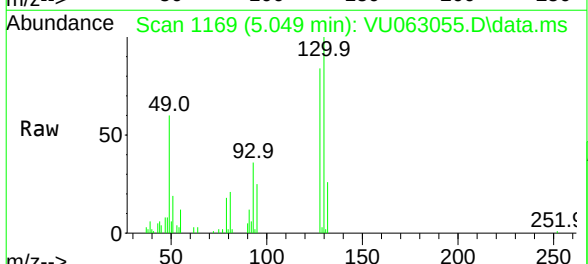
Manual Integrations
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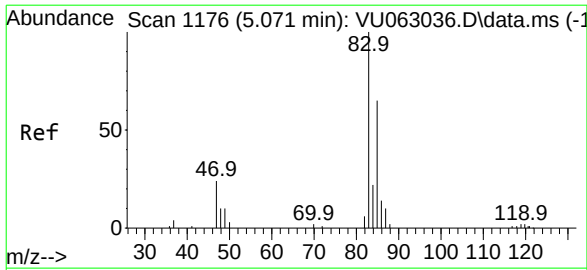
Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025



#23
 Bromochloromethane
 Concen: 4.061 ug/L
 RT: 5.049 min Scan# 1169
 Delta R.T. 0.087 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	72.1	81.1	150.7#
130	119.2	94.9	176.3
51	22.1	30.6	46.0#





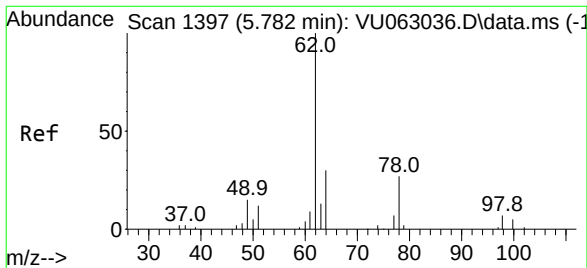
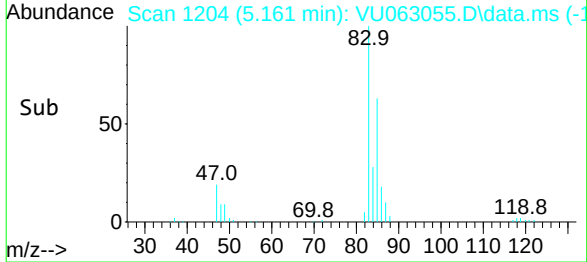
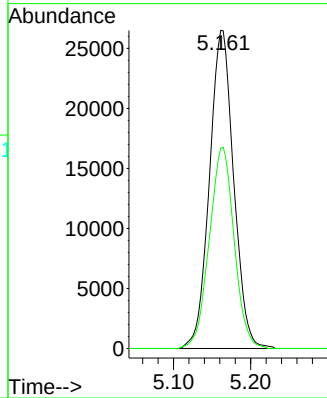
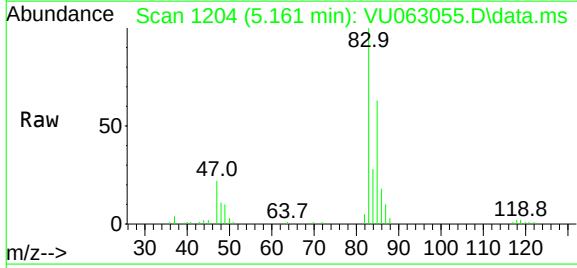
#25
Chloroform
Concen: 3.532 ug/L
RT: 5.161 min Scan# 12
Delta R.T. 0.090 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :
E2964MS

Tgt Ion: 83 Resp: 57738
Ion Ratio Lower Upper
83 100
85 63.0 45.8 85.2

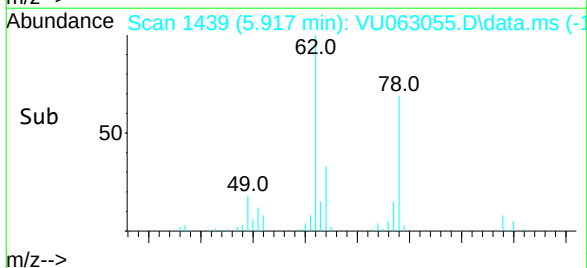
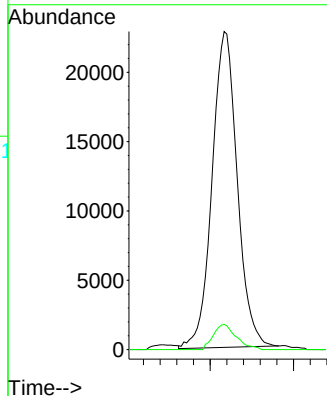
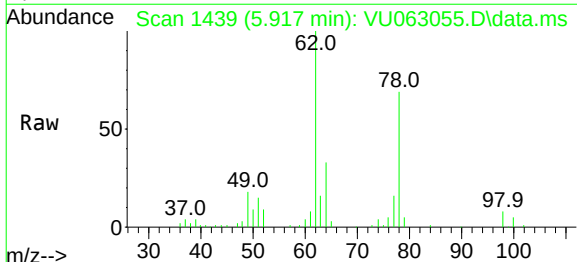
Manual Integrations
APPROVED

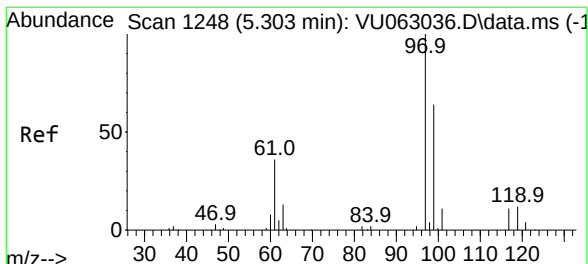
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#27
1,2-Dichloroethane
Concen: 4.168 ug/L
RT: 5.917 min Scan# 1439
Delta R.T. 0.135 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 62 Resp: 47764
Ion Ratio Lower Upper
62 100
98 7.9 5.8 8.6



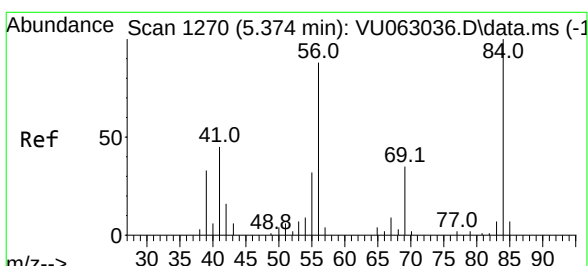
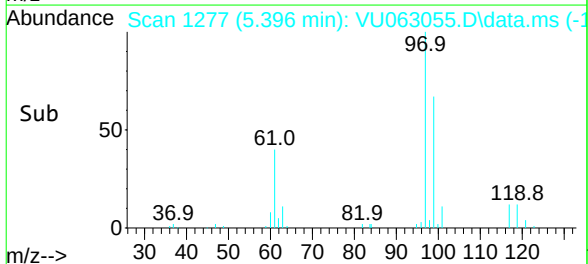
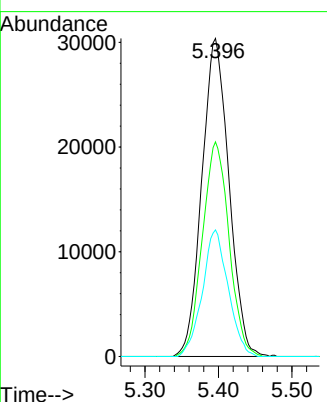
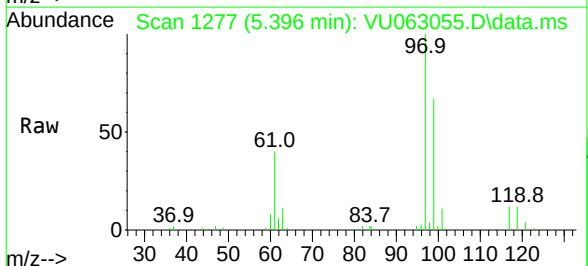


#29
 1,1,1-Trichloroethane
 Concen: 4.841 ug/L
 RT: 5.396 min Scan# 12
 Delta R.T. 0.093 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Instrument : MSVOA_U
 ClientSampleId : E2964MS

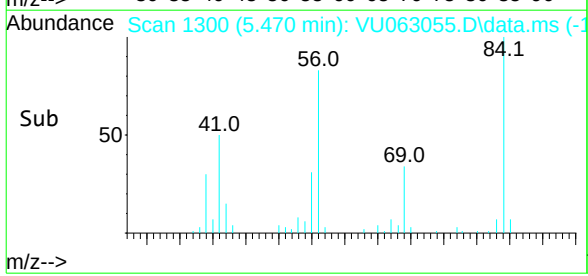
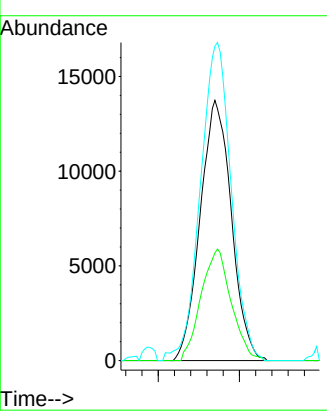
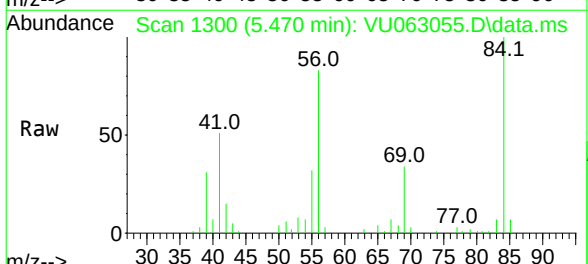
Tgt Ion:	97	Resp:	77914
Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.4	78.6
61	37.9	32.2	48.4

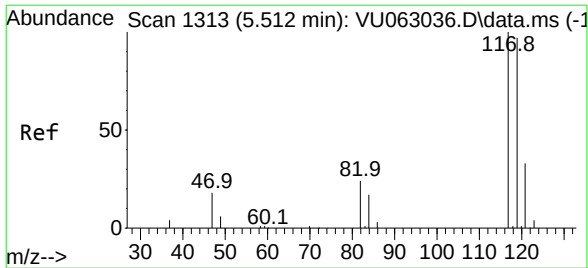
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025



#30
 Cyclohexane
 Concen: 4.881 ug/L
 RT: 5.470 min Scan# 1300
 Delta R.T. 0.096 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

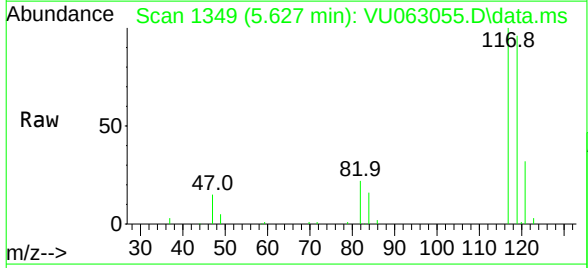
Tgt Ion:	56	Resp:	36594
Ion	Ratio	Lower	Upper
56	100		
69	41.4	28.3	42.5
84	120.9	76.5	114.7





#31
Carbon tetrachloride
Concen: 4.822 ug/L
RT: 5.627 min Scan# 1313
Delta R.T. 0.116 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

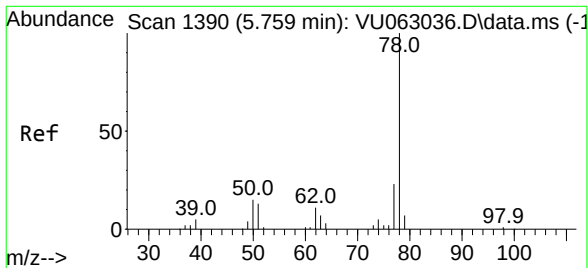
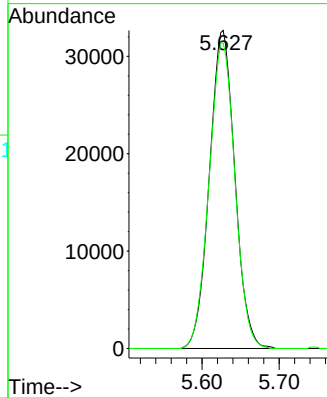
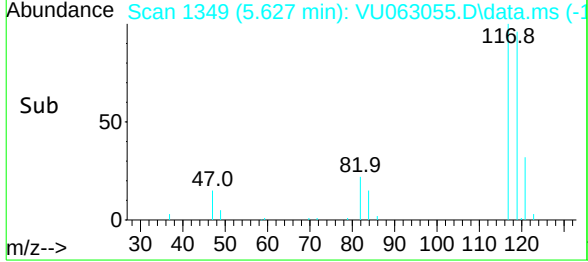
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



Tgt Ion:117 Resp: 74725
Ion Ratio Lower Upper
117 100
119 98.0 78.6 118.0

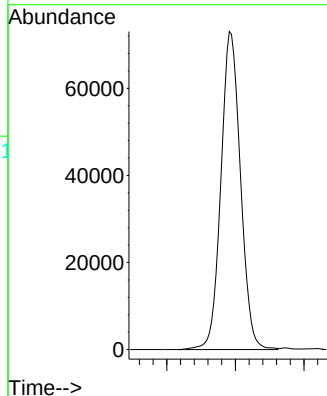
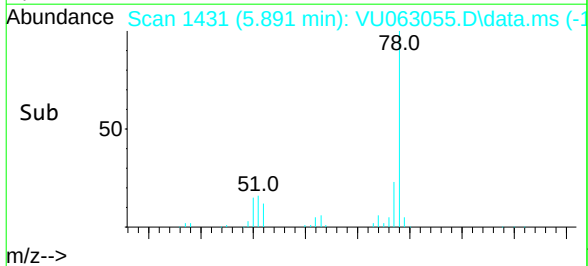
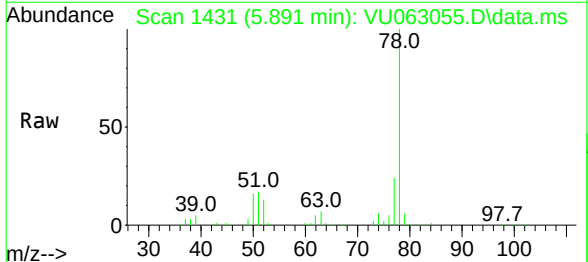
Manual Integrations
APPROVED

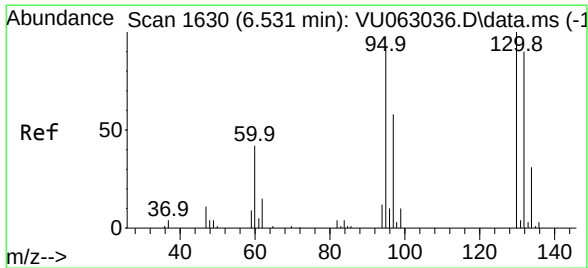
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#33
Benzene
Concen: 5.760 ug/L
RT: 5.891 min Scan# 1431
Delta R.T. 0.132 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

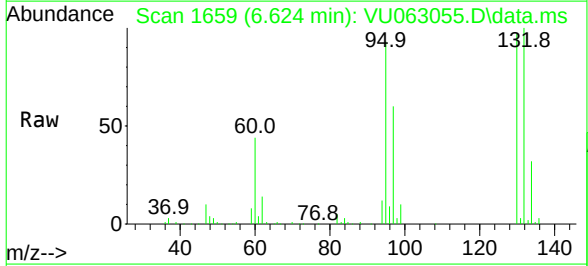
Tgt Ion: 78 Resp: 144835





#34
Trichloroethene
Concen: 6.354 ug/L
RT: 6.624 min Scan# 1619
Delta R.T. 0.093 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

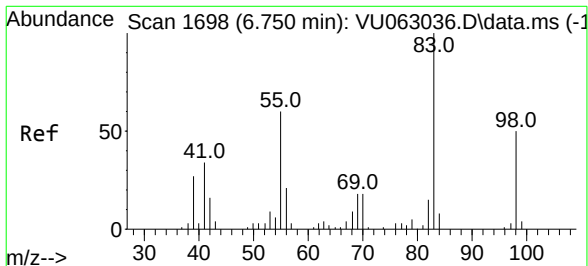
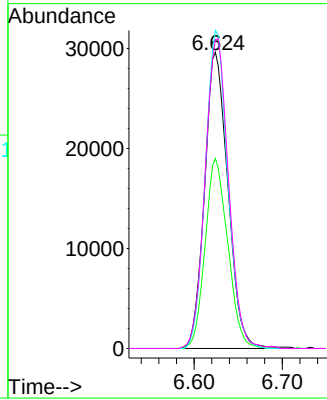
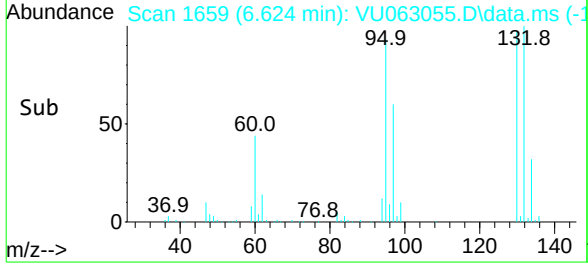
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



Tgt Ion: 95 Resp: 54296
Ion Ratio Lower Upper
95 100
97 64.2 47.5 88.3
132 107.4 66.9 124.3
130 104.3 68.6 127.4

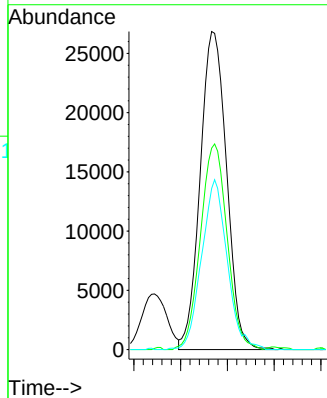
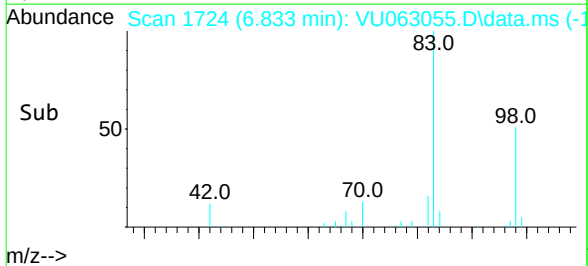
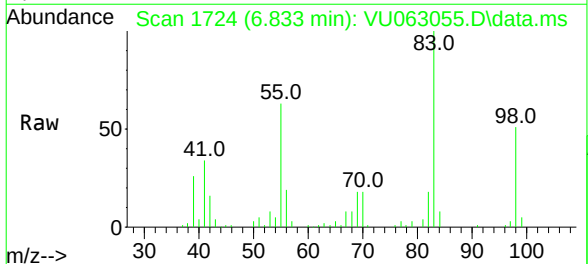
Manual Integrations
APPROVED

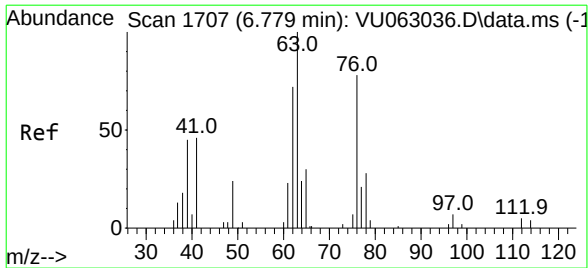
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#35
Methylcyclohexane
Concen: 4.884 ug/L
RT: 6.833 min Scan# 1724
Delta R.T. 0.083 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

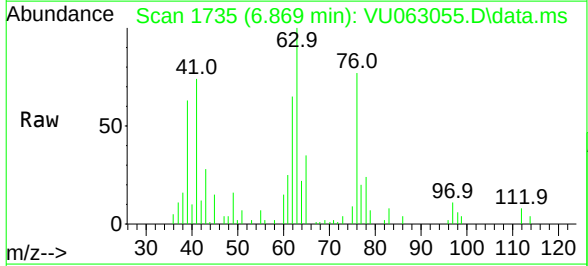
Tgt Ion: 83 Resp: 52585
Ion Ratio Lower Upper
83 100
55 65.3 57.2 85.8
98 51.9 36.6 55.0





#37
1,2-Dichloropropane
Concen: 4.371 ug/L
RT: 6.869 min Scan# 1712
Delta R.T. 0.090 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

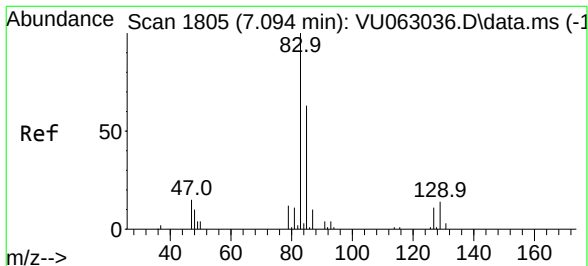
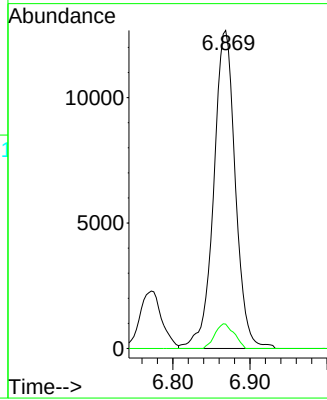
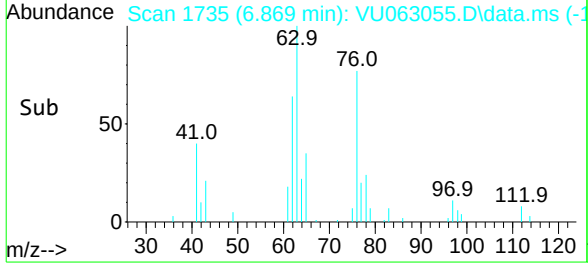
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



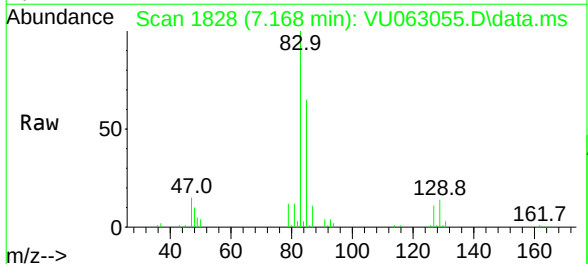
Tgt Ion: 63 Resp: 24722
Ion Ratio Lower Upper
63 100
112 6.9 3.8 5.8#

Manual Integrations
APPROVED

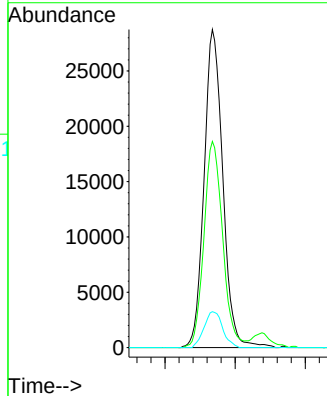
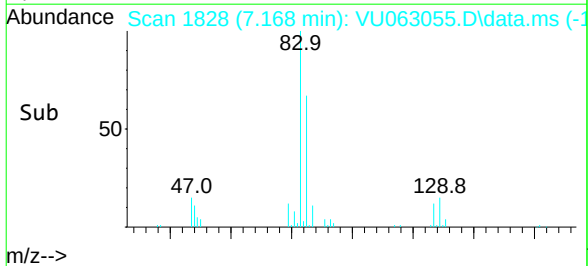
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025

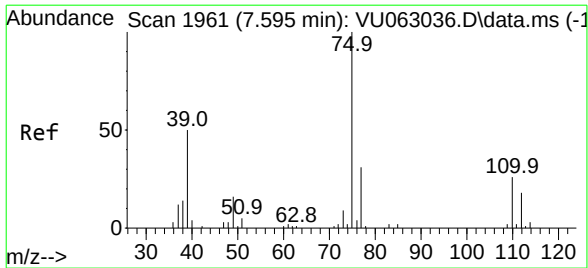


#38
Bromodichloromethane
Concen: 4.696 ug/L
RT: 7.168 min Scan# 1828
Delta R.T. 0.074 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10



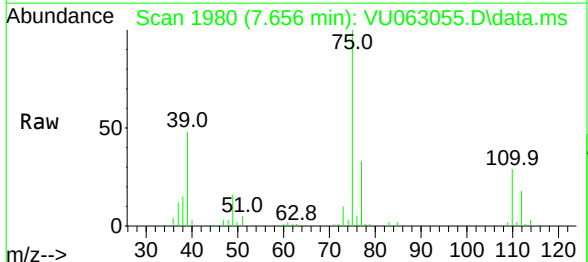
Tgt Ion: 83 Resp: 53220
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.0
127 11.3 7.8 11.8





#39
 cis-1,3-Dichloropropene
 Concen: 4.523 ug/L
 RT: 7.656 min Scan# 1961
 Delta R.T. 0.061 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

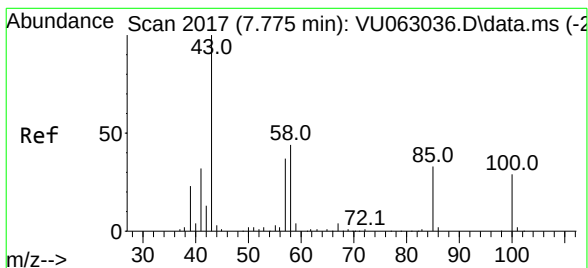
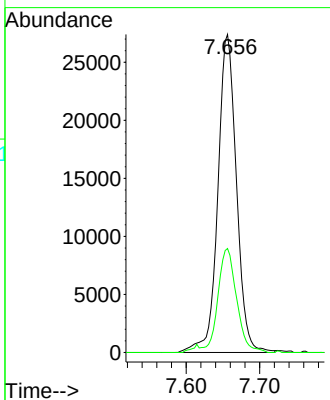
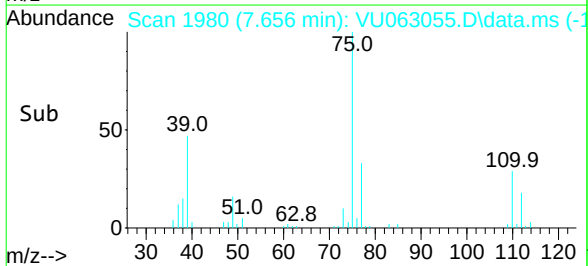
Instrument :
 MSVOA_U
 ClientSampleId :
 E2964MS



Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	22.3	41.3

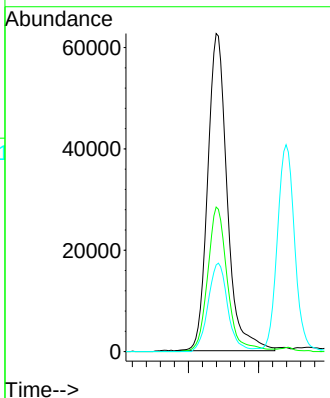
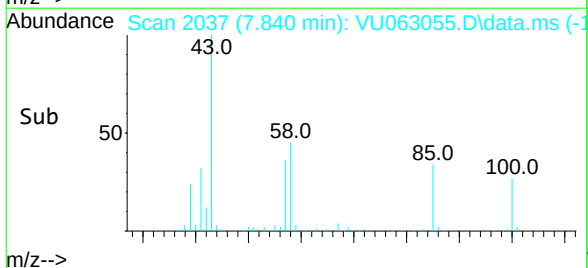
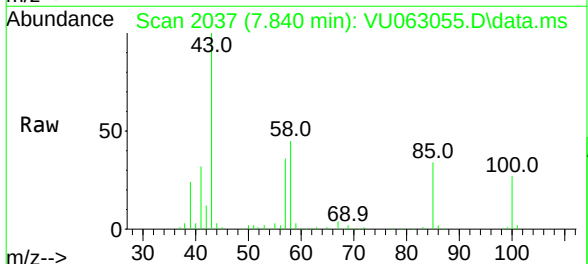
Manual Integrations
 APPROVED

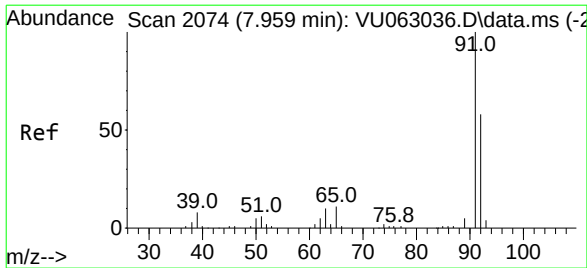
Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025



#40
 4-Methyl-2-pentanone
 Concen: 44.453 ug/L
 RT: 7.840 min Scan# 2037
 Delta R.T. 0.064 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.9	35.8	53.8
100	27.9	16.8	25.2





#42

Toluene

Concen: 10.583 ug/L

RT: 8.007 min Scan# 20

Delta R.T. 0.048 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

E2964MS

Tgt Ion: 91 Resp: 316328

Ion Ratio Lower Upper

91 100

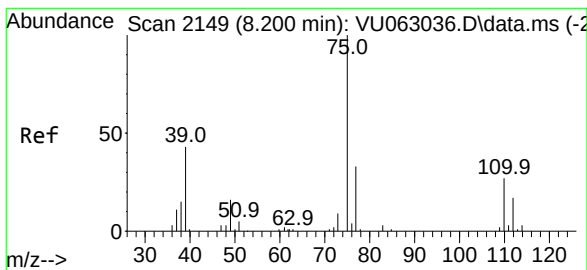
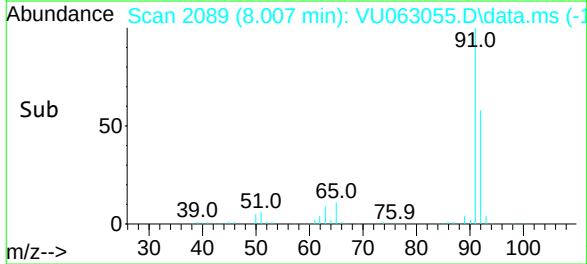
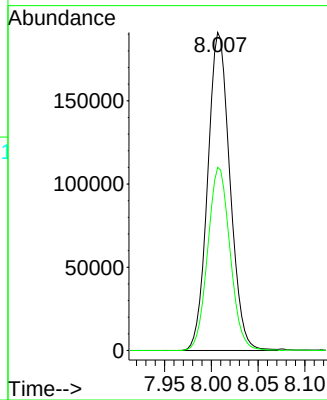
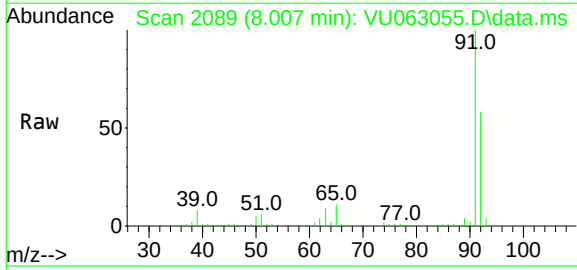
92 57.6 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025

Supervised By :Semsettin Yesilyurt 01/30/2025



#44

trans-1,3-Dichloropropene

Concen: 4.649 ug/L

RT: 8.241 min Scan# 2162

Delta R.T. 0.042 min

Lab File: VU063055.D

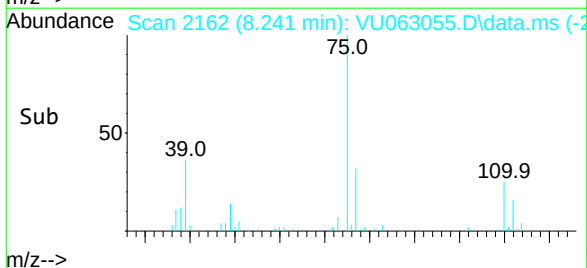
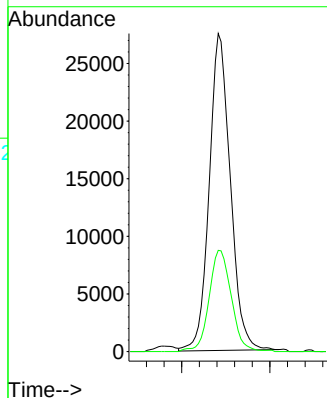
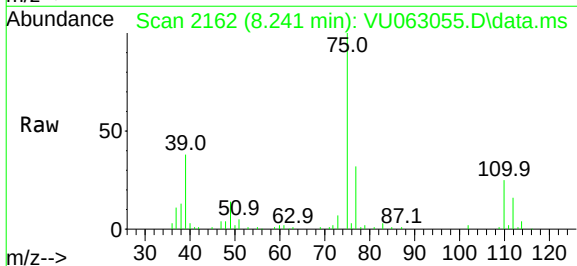
Acq: 28 Jan 2025 08:10

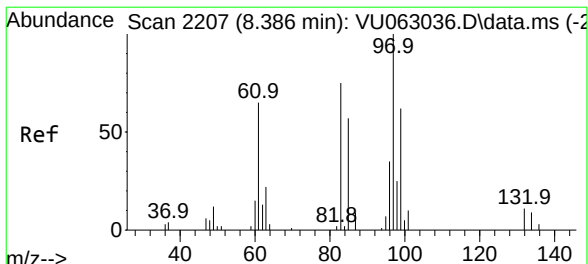
Tgt Ion: 75 Resp: 45596

Ion Ratio Lower Upper

75 100

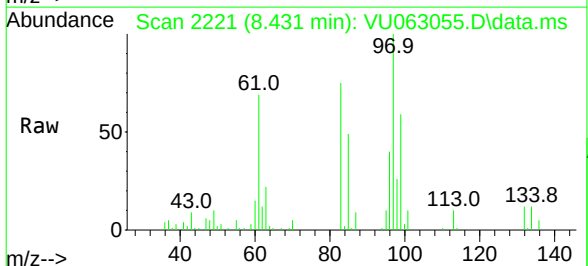
77 31.8 21.8 40.6





#45
 1,1,2-Trichloroethane
 Concen: 4.580 ug/L
 RT: 8.431 min Scan# 2207
 Delta R.T. 0.045 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

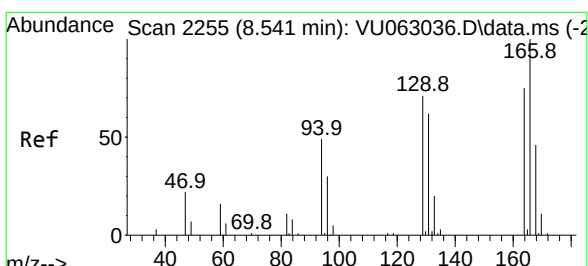
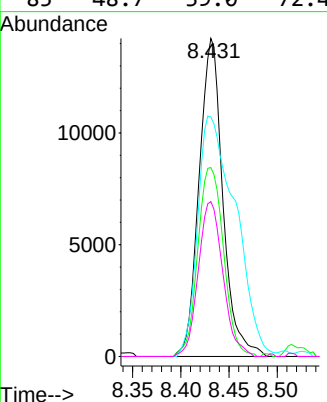
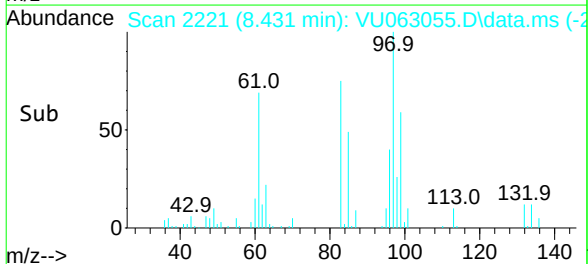
Instrument : MSVOA_U
 ClientSampleId : E2964MS



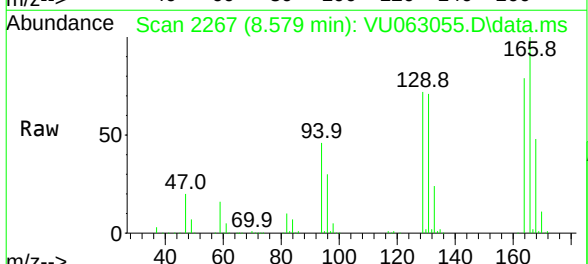
Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	45.6	84.6
83	75.3	63.0	117.0
85	48.7	39.0	72.4

Manual Integrations
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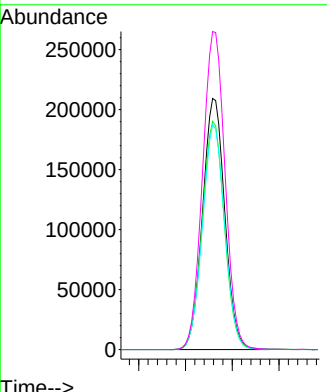
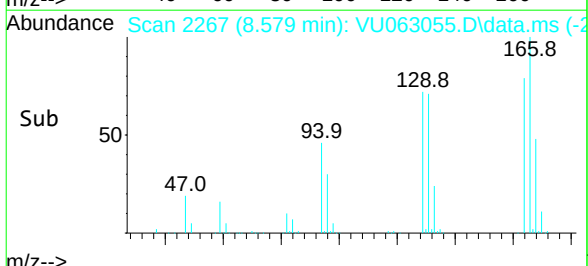
Reviewed By :Mahesh Dadoda 01/30/2025
 Supervised By :Semsettin Yesilyurt 01/30/2025

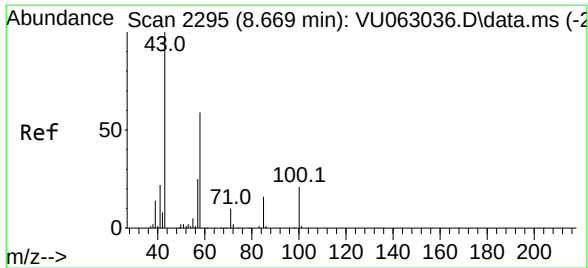


#47
 Tetrachloroethene
 Concen: 46.479 ug/L
 RT: 8.579 min Scan# 2267
 Delta R.T. 0.038 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10



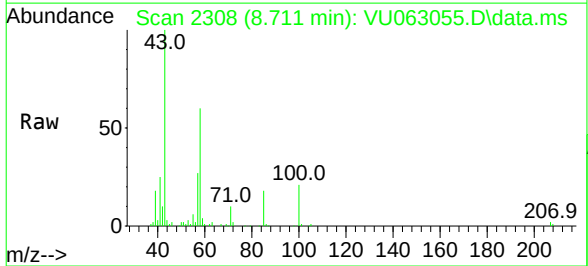
Tgt Ion	Ratio	Lower	Upper
164	100		
129	90.9	71.0	131.9
131	89.6	69.4	129.0
166	126.7	92.7	172.3





#48
2-Hexanone
Concen: 43.677 ug/L m
RT: 8.711 min Scan# 2308
Delta R.T. 0.042 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

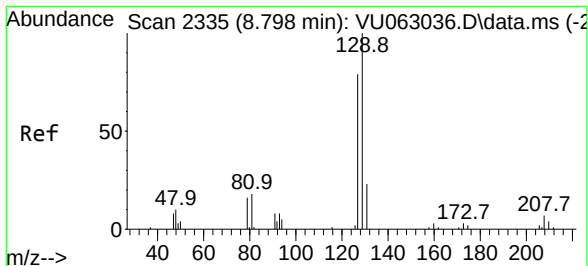
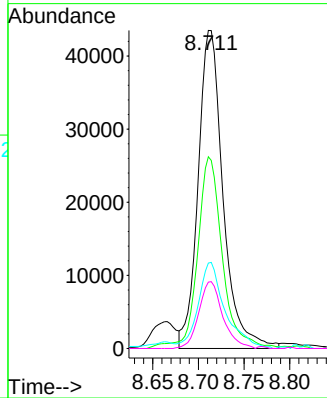
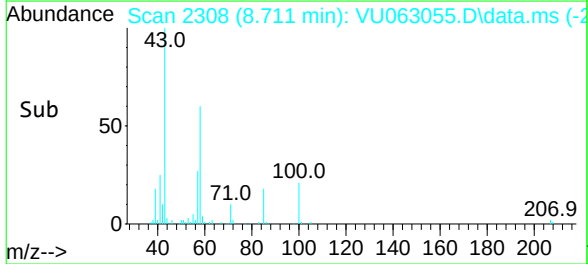
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



Tgt Ion: 43 Resp: 82657
Ion Ratio Lower Upper
43 100
58 0.0 50.2 75.4#
57 2.4 19.9 29.9#
100 0.0 12.6 18.8#

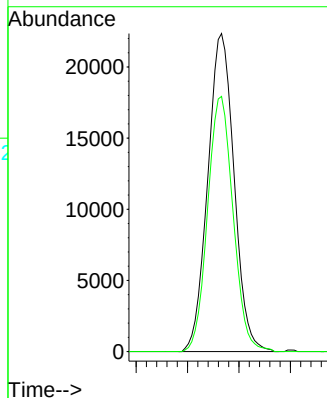
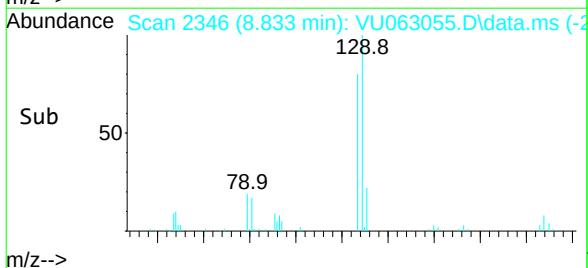
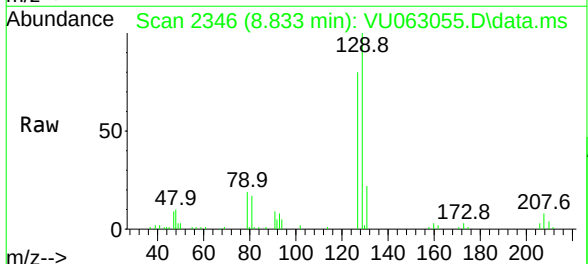
Manual Integrations
APPROVED

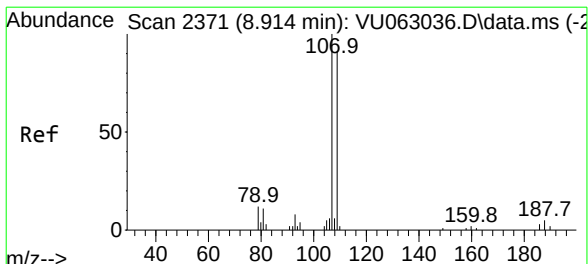
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#49
Dibromochloromethane
Concen: 4.782 ug/L
RT: 8.833 min Scan# 2346
Delta R.T. 0.035 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:129 Resp: 39724
Ion Ratio Lower Upper
129 100
127 80.2 52.1 96.9





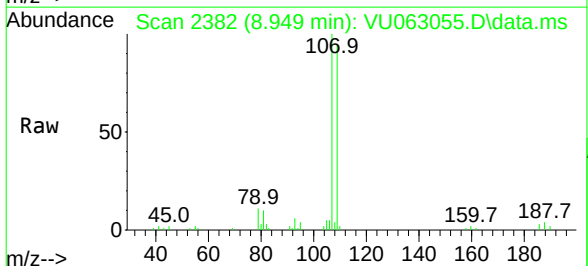
#50
1,2-Dibromoethane
Concen: 4.703 ug/L
RT: 8.949 min Scan# 2371
Delta R.T. 0.035 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

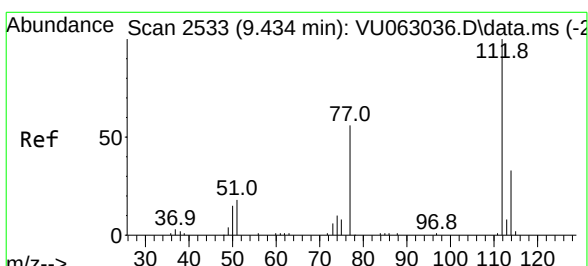
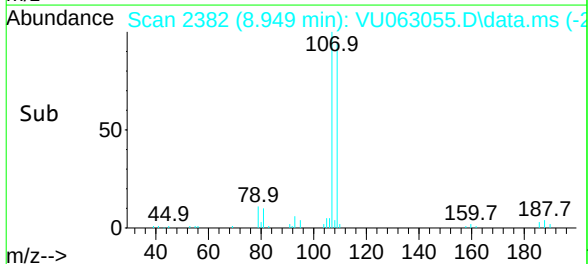
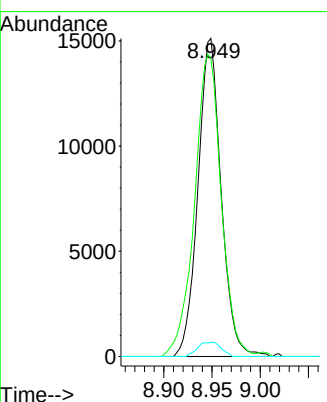
E2964MS



Tgt Ion:	107	Resp:	25296
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.7	121.9
188	4.4	3.4	5.2

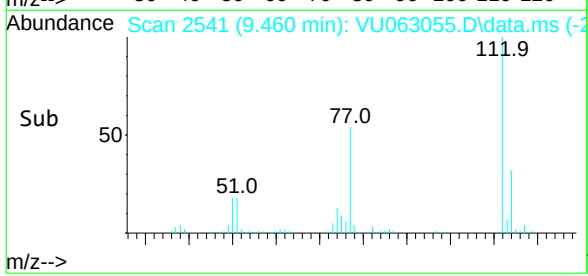
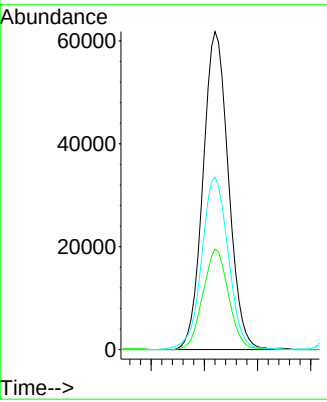
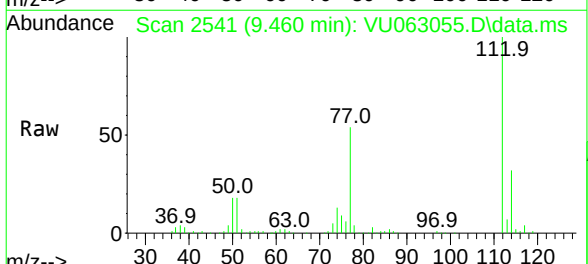
Manual Integrations
APPROVED

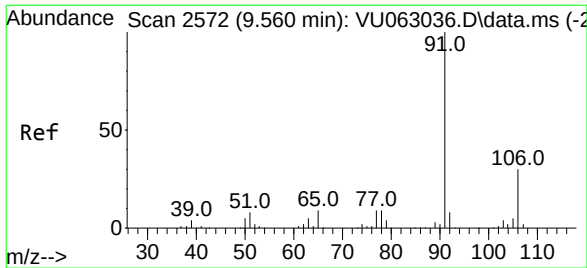
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#51
Chlorobenzene
Concen: 4.944 ug/L
RT: 9.460 min Scan# 2541
Delta R.T. 0.026 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:	112	Resp:	102469
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.7	40.3
77	54.2	48.6	73.0





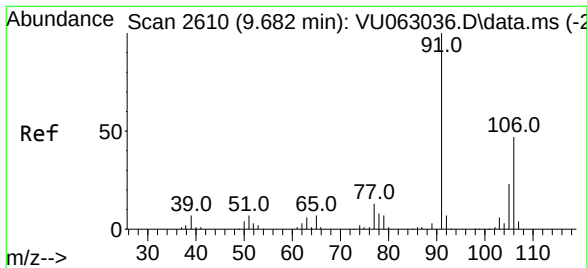
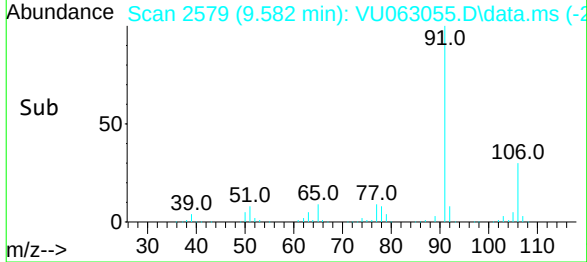
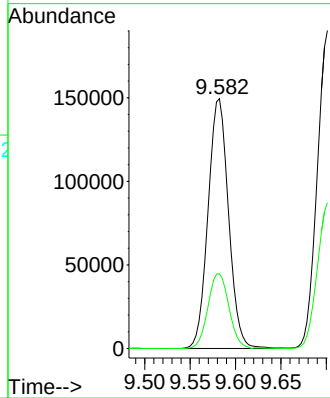
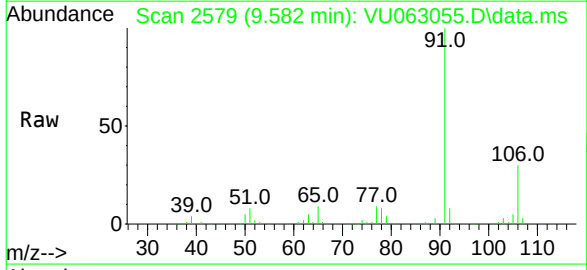
#52
Ethylbenzene
Concen: 6.738 ug/L
RT: 9.582 min Scan# 2572
Delta R.T. 0.022 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :
E2964MS

Tgt Ion: 91 Resp: 234710
Ion Ratio Lower Upper
91 100
106 29.9 21.9 40.7

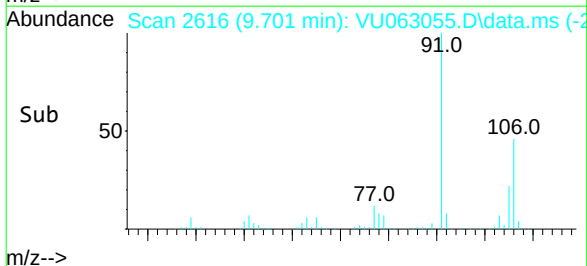
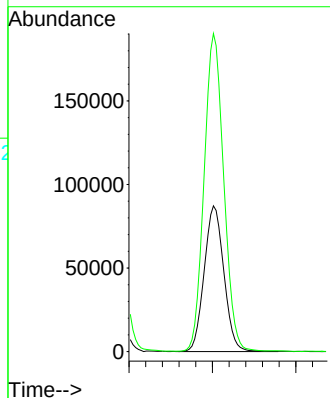
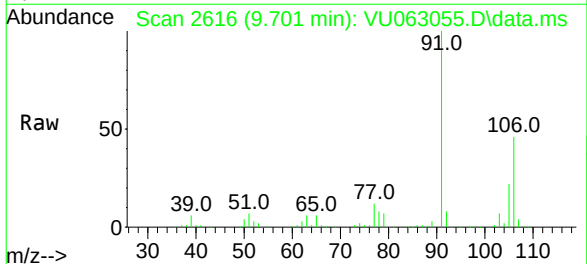
Manual Integrations
APPROVED

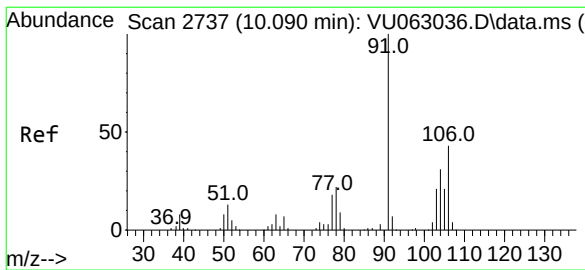
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#53
m,p-Xylene
Concen: 10.630 ug/L
RT: 9.701 min Scan# 2616
Delta R.T. 0.019 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:106 Resp: 143002
Ion Ratio Lower Upper
106 100
91 218.2 153.1 284.3





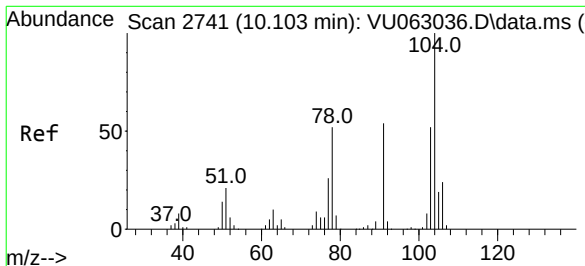
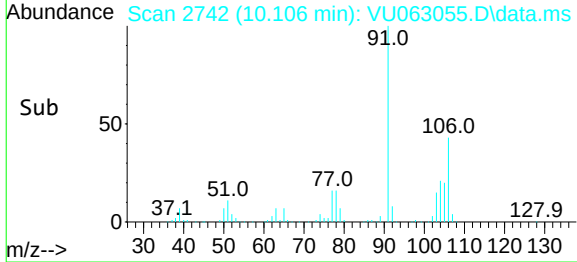
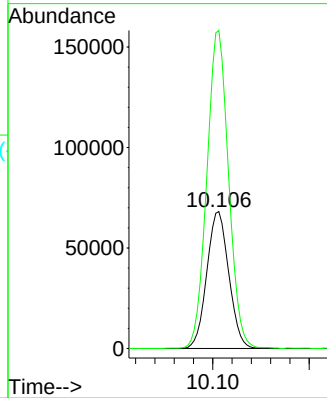
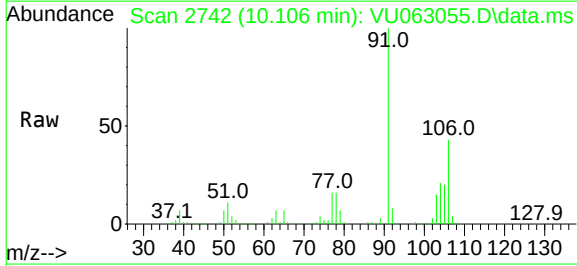
#54
o-Xylene
Concen: 8.761 ug/L
RT: 10.106 min Scan# 2737
Delta R.T. 0.016 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :
E2964MS

Tgt Ion:106 Resp: 107971
Ion Ratio Lower Upper
106 100
91 232.3 160.4 297.8

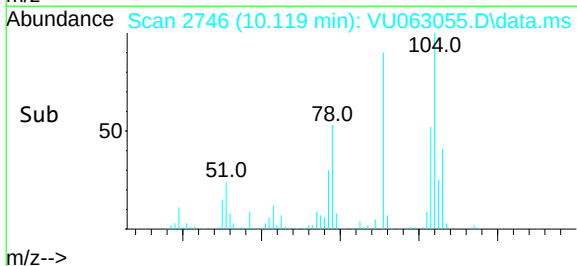
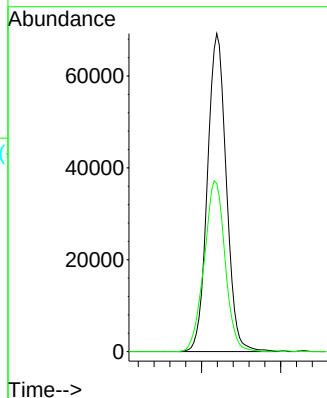
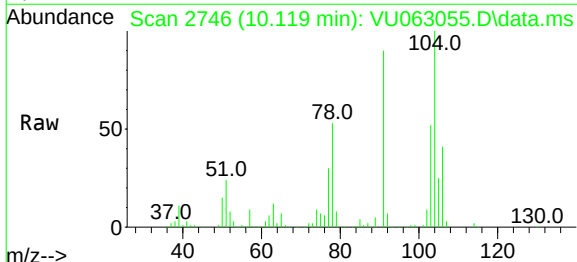
Manual Integrations
APPROVED

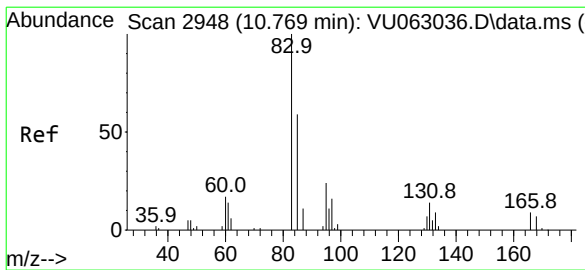
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#55
Styrene
Concen: 5.510 ug/L
RT: 10.119 min Scan# 2746
Delta R.T. 0.016 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:104 Resp: 114803
Ion Ratio Lower Upper
104 100
78 52.9 35.5 65.9





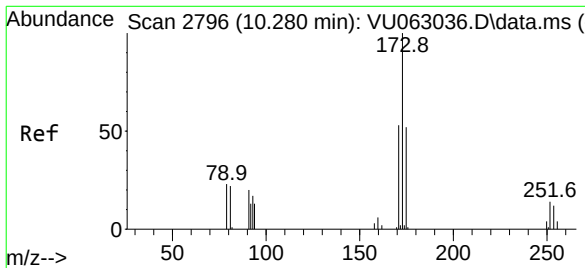
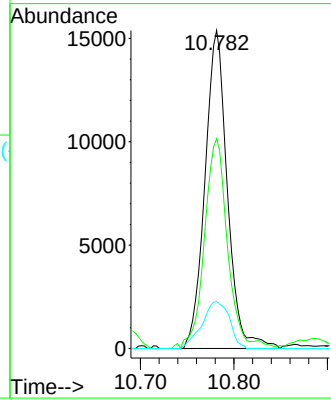
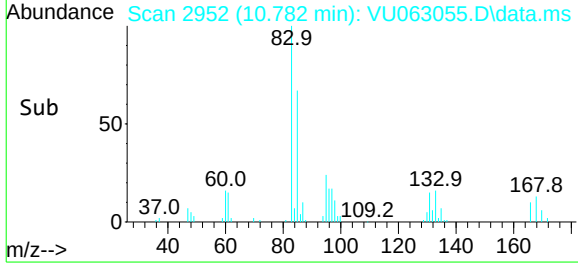
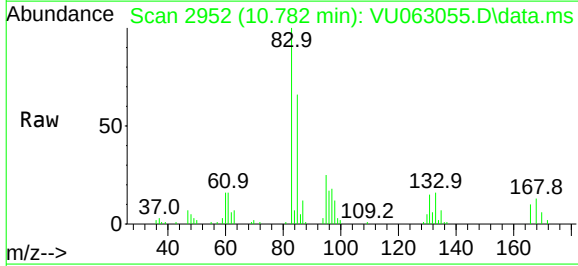
#57
1,1,2,2-Tetrachloroethane
Concen: 4.296 ug/L
RT: 10.782 min Scan# 2948
Delta R.T. 0.013 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :
E2964MS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	43.0	79.8
131	14.8	7.4	11.0

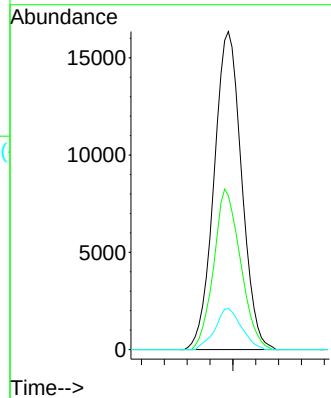
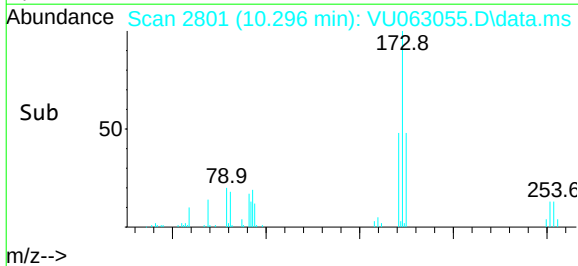
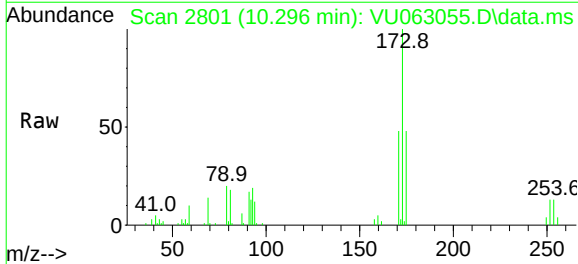
Manual Integrations
APPROVED

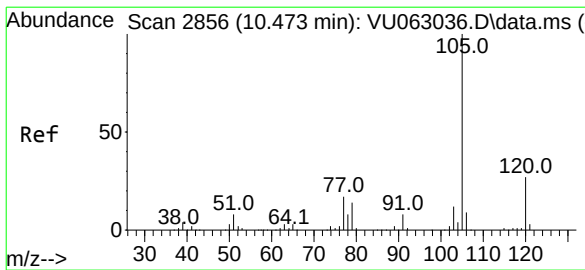
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#59
Bromoform
Concen: 4.707 ug/L
RT: 10.296 min Scan# 2801
Delta R.T. 0.016 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.8	59.8
254	12.4	8.6	12.8





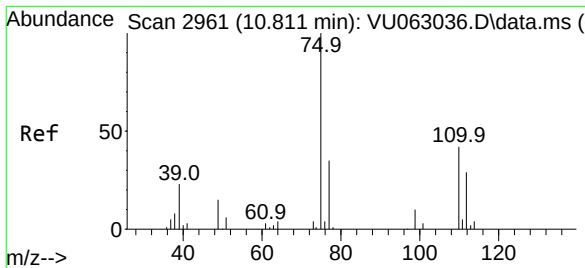
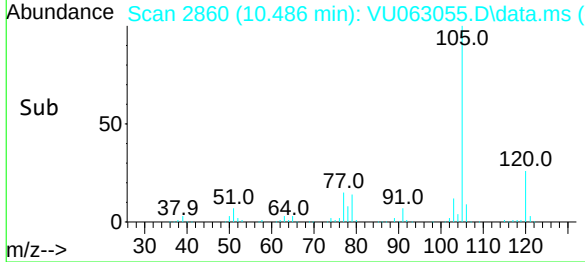
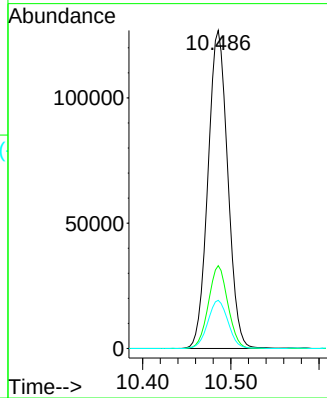
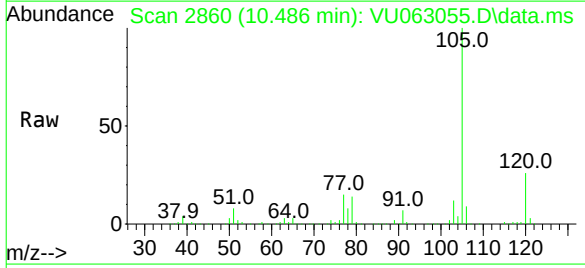
#60
Isopropylbenzene
Concen: 5.087 ug/L
RT: 10.486 min Scan# 2856
Delta R.T. 0.013 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :
E2964MS

Tgt	Ion	105	Resp	197352
Ion	Ratio	Lower	Upper	
105	100			
120	25.6	20.2	30.2	
77	15.6	13.0	19.4	

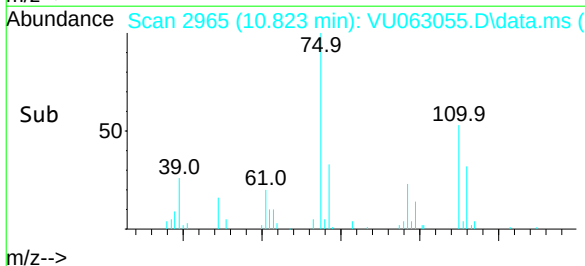
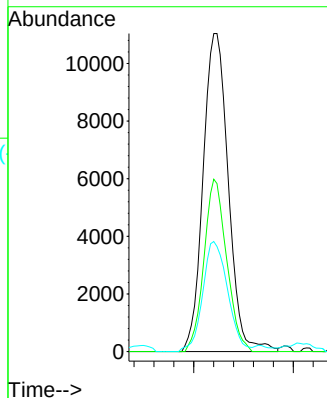
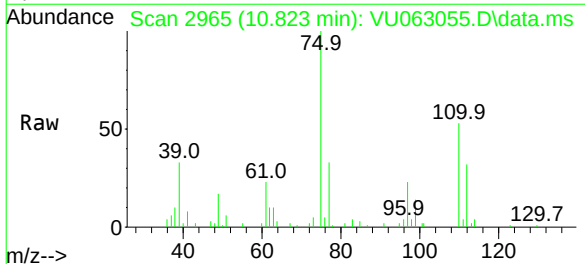
Manual Integrations
APPROVED

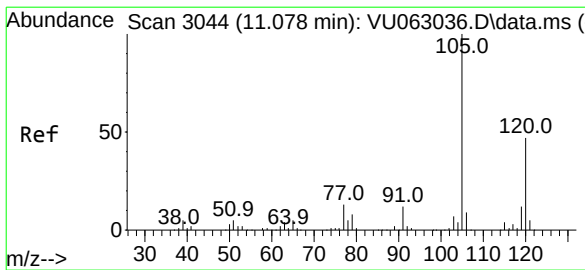
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#61
1,2,3-Trichloropropane
Concen: 3.943 ug/L
RT: 10.823 min Scan# 2965
Delta R.T. 0.013 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt	Ion	75	Resp	19428
Ion	Ratio	Lower	Upper	
75	100			
110	48.7	33.2	49.8	
77	34.2	25.9	38.9	





#62

1,3,5-Trimethylbenzene

Concen: 5.500 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

E2964MS

Tgt Ion:105 Resp: 187096

Ion Ratio Lower Upper

105 100

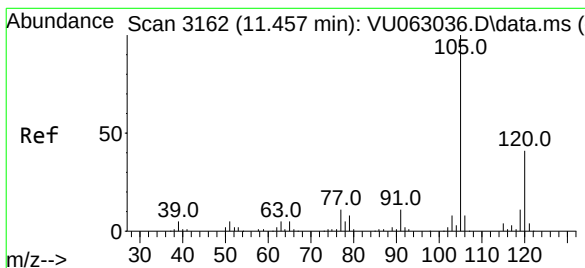
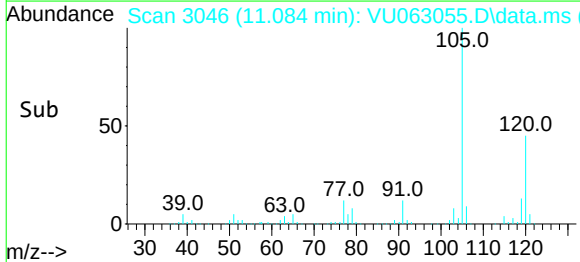
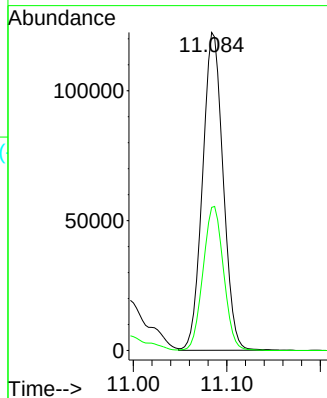
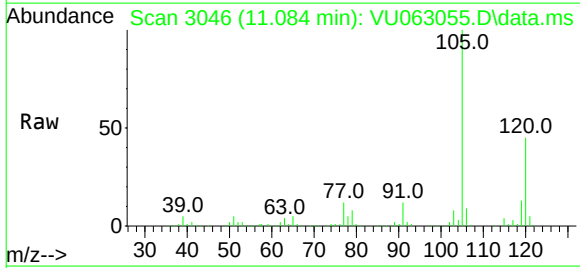
120 45.4 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025

Supervised By :Semsettin Yesilyurt 01/30/2025



#63

1,2,4-Trimethylbenzene

Concen: 6.874 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VU063055.D

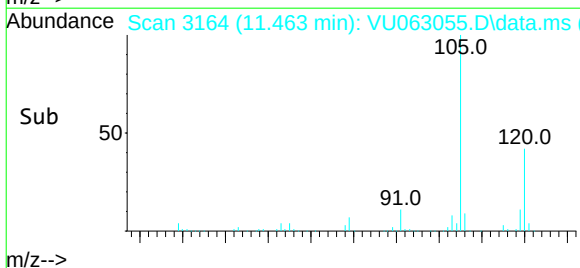
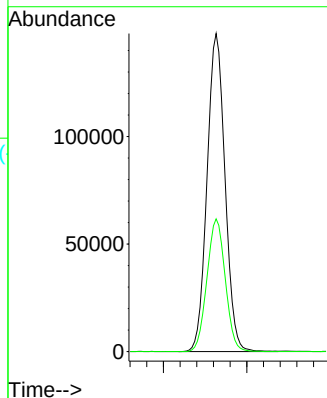
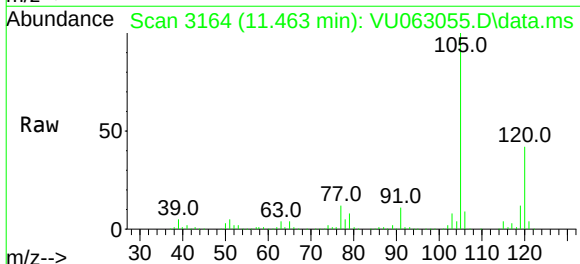
Acq: 28 Jan 2025 08:10

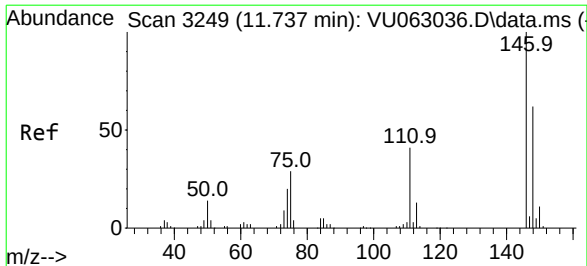
Tgt Ion:105 Resp: 221157

Ion Ratio Lower Upper

105 100

120 42.5 34.2 51.2





#64

1,3-Dichlorobenzene

Concen: 4.794 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

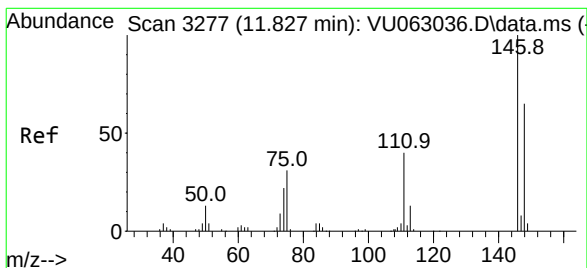
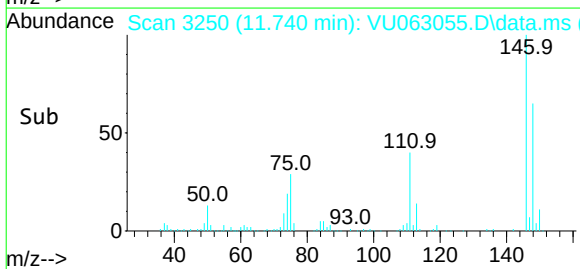
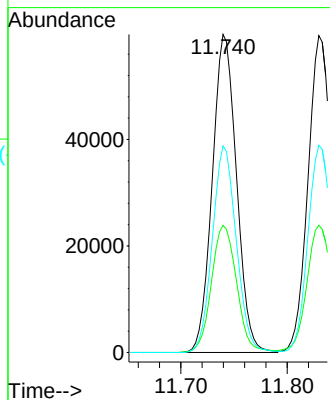
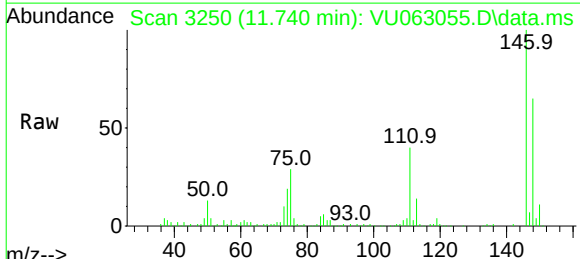
E2964MS

Tgt Ion:	146	Resp:	94423
Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.6	53.0
148	65.0	44.0	81.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#65

1,4-Dichlorobenzene

Concen: 4.758 ug/L

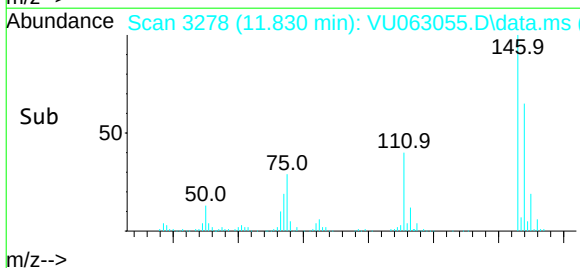
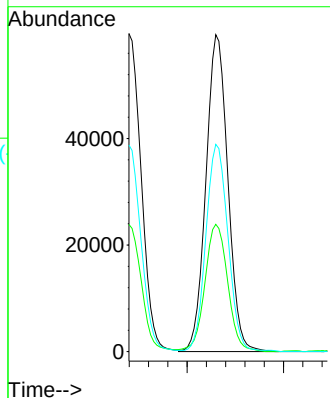
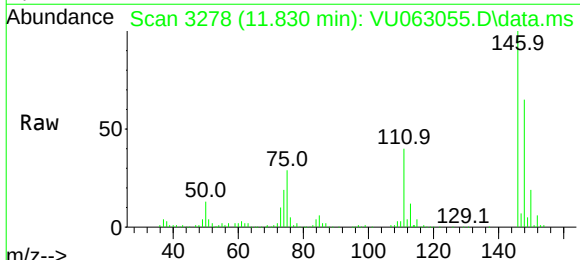
RT: 11.830 min Scan# 3278

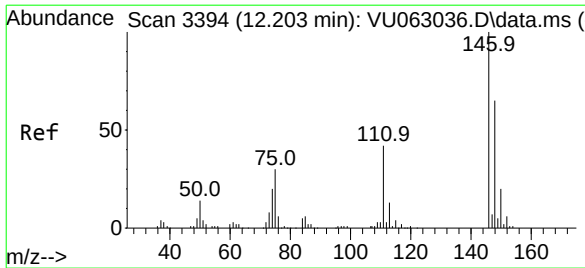
Delta R.T. 0.003 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

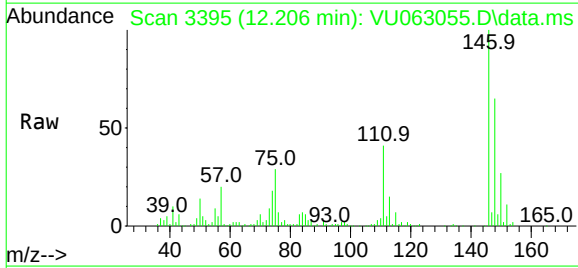
Tgt Ion:	146	Resp:	94021
Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.5	54.9
148	65.4	45.1	83.9





#67
1,2-Dichlorobenzene
Concen: 4.467 ug/L
RT: 12.206 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

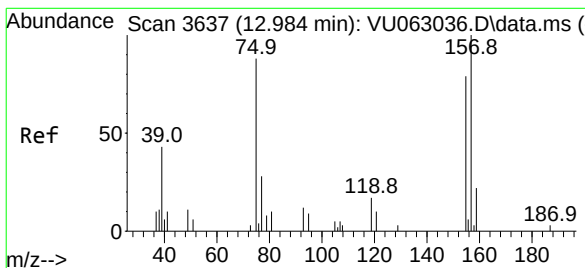
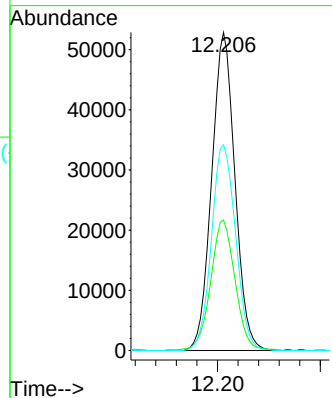
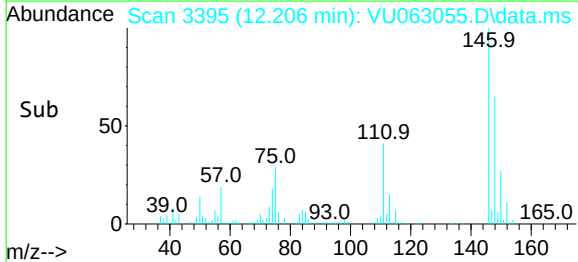
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



Tgt Ion: 146 Resp: 82780
Ion Ratio Lower Upper
146 100
111 41.0 36.3 54.5
148 64.7 52.0 78.0

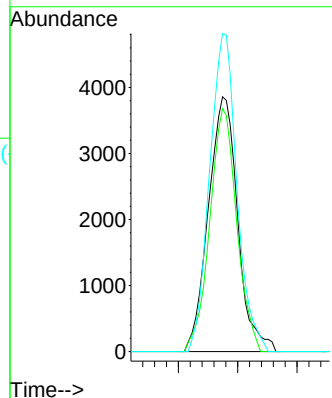
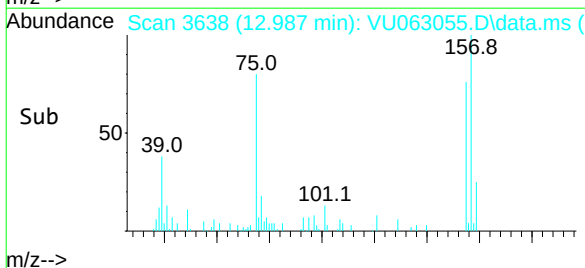
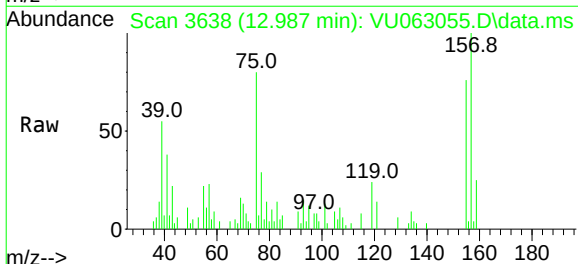
Manual Integrations
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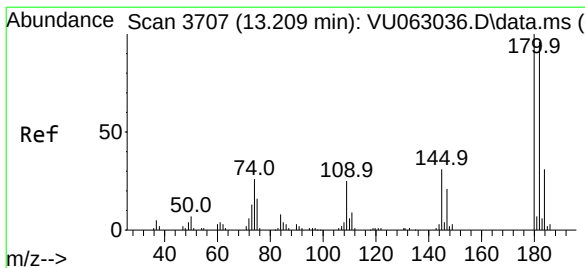
Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#68
1,2-Dibromo-3-chloropropane
Concen: 5.088 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 75 Resp: 6629
Ion Ratio Lower Upper
75 100
155 95.3 59.6 89.4#
157 124.8 70.8 106.2#





#69

1,3,5-Trichlorobenzene

Concen: 5.027 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. -0.000 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

E2964MS

Tgt Ion:180 Resp: 79108

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

184 30.2 24.7 37.1

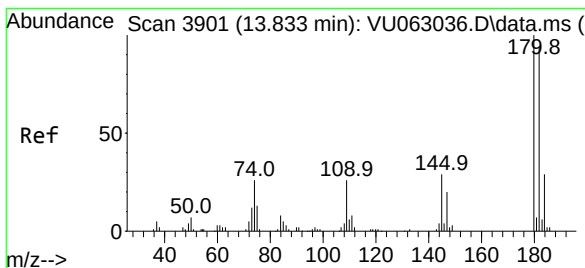
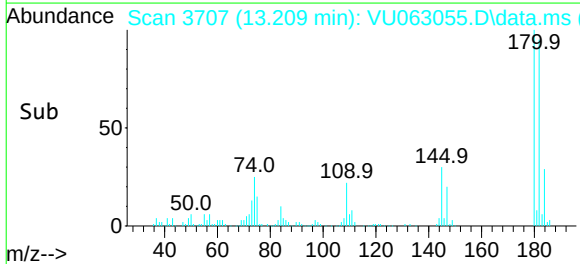
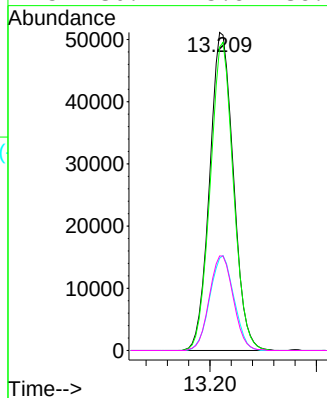
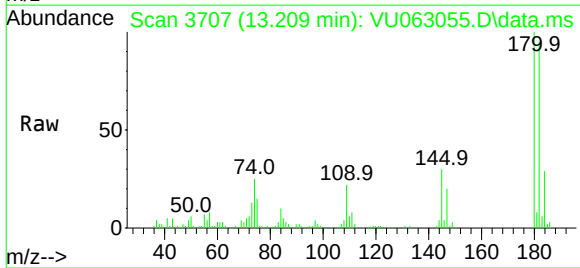
145 30.1 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025

Supervised By :Semsettin Yesilyurt 01/30/2025



#70

1,2,4-trichlorobenzene

Concen: 5.892 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

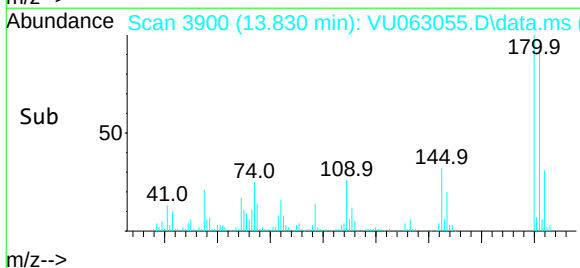
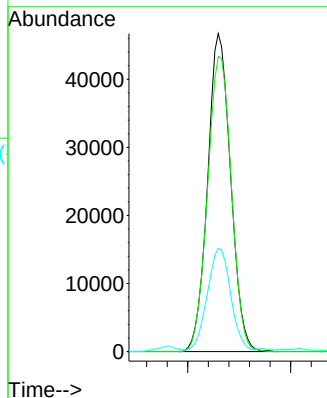
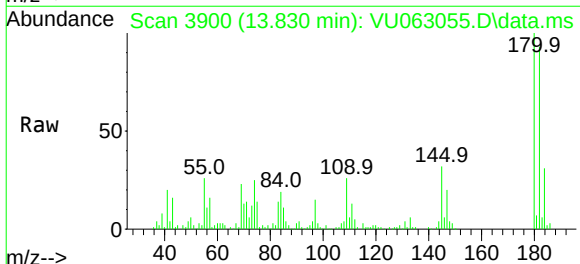
Tgt Ion:180 Resp: 72554

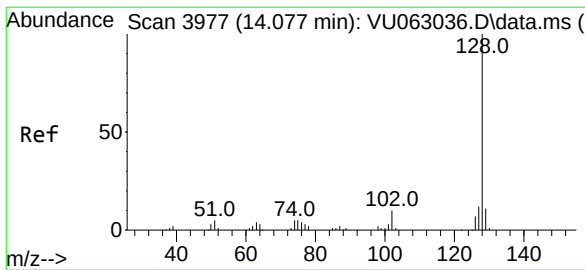
Ion Ratio Lower Upper

180 100

182 96.0 77.1 115.7

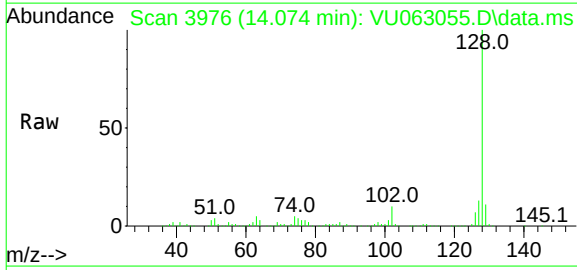
145 32.3 26.9 40.3





#71
Naphthalene
Concen: 40.502 ug/L
RT: 14.074 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

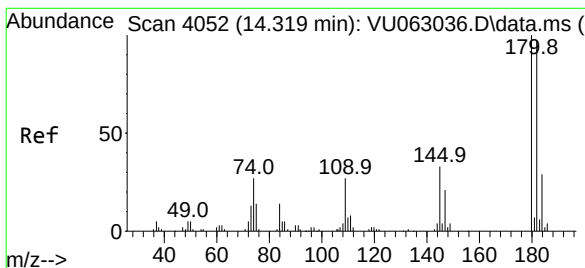
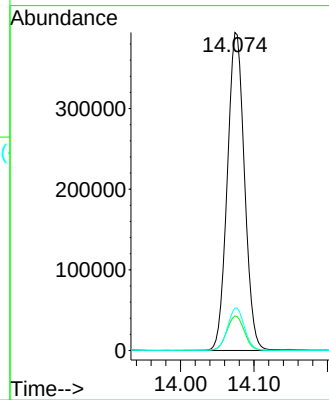
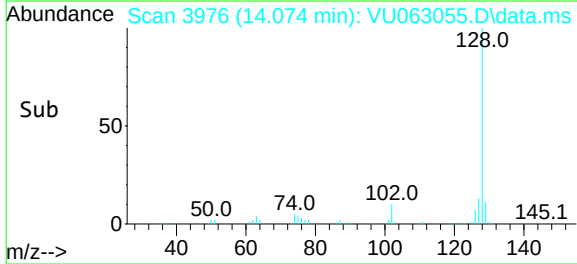
Instrument :
MSVOA_U
ClientSampleId :
E2964MS



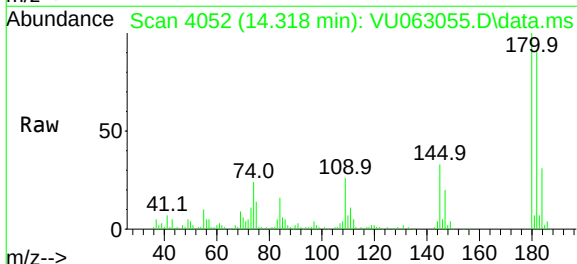
Tgt Ion:128 Resp: 640039
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.0 10.2 15.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/30/2025
Supervised By :Semsettin Yesilyurt 01/30/2025



#72
1,2,3-Trichlorobenzene
Concen: 5.979 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.000 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10



Tgt Ion:180 Resp: 63620
Ion Ratio Lower Upper
180 100
182 94.3 79.8 119.6
145 34.8 29.2 43.8

