

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060281.D
 Acq On : 31 Jul 2024 14:01
 Operator : MD/SY
 Sample : P3287-05
 Misc : 10.00g/10.0mL//100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 XB504

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

08/01/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Aug 01 00:22:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	241242	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	257292	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131843	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	67949	43.868	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.740%
7) Chloroethane-d5	1.872	69	31983	24.548	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	49.100%#
11) 1,1-Dichloroethene-d2	2.538	63	77326	28.100	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.200%#
21) 2-Butanone-d5	4.628	46	96087	89.263	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.260%
24) Chloroform-d	5.052	84	113803	37.940	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.880%
26) 1,2-Dichloroethane-d4	5.692	65	67564	37.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.760%
32) Benzene-d6	5.714	84	227354	34.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.020%#
36) 1,2-Dichloropropane-d6	6.682	67	75163	36.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.720%
41) Toluene-d8	7.891	98	199990	31.919	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.840%#
43) trans-1,3-Dichloroprop...	8.174	79	35857	37.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.160%
47) 2-Hexanone-d5	8.637	63	65485	76.201	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	123532	39.470	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.940%
66) 1,2-Dichlorobenzene-d4	12.190	152	84938m	35.059	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.120%#

Target Compounds						Qvalue
13) Acetone	2.634	43	321008	289.599	ug/L	98
15) Methyl Acetate	2.949	43	22218	13.295	ug/L	95
16) Methylene chloride	3.026	84	326953	181.264	ug/L	93
18) Methyl tert-butyl Ether	3.361	73	222033	46.422	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	186811	104.763	ug/L	94
22) 2-Butanone	4.698	43	512837	376.043	ug/L	93
25) Chloroform	5.075	83	167890	55.861	ug/L	95
27) 1,2-Dichloroethane	5.782	62	454464	199.185	ug/L	99
37) 1,2-Dichloropropane	6.782	63	210714	110.182	ug/L	100
38) Bromodichloromethane	7.097	83	133436	55.067	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	388223	132.682	ug/L	97
42) Toluene	7.962	91	1533820	202.218	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	162843	60.589	ug/L	97
46) Tetrachloroethene	8.547	164	116999	76.707	ug/L	95
48) 2-Hexanone	8.689	43	948310	468.781	ug/L	97
49) Dibromochloromethane	8.808	129	48584	24.620	ug/L	98
50) 1,2-Dibromoethane	8.917	107	186639	89.127	ug/L	98
51) Chlorobenzene	9.444	112	588167	116.804	ug/L	97
52) Ethylbenzene	9.566	91	460507	56.853	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Aug 01 00:19:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.692	106	339107	107.523	ug/L	96
54) o-Xylene	10.097	106	112690	37.158	ug/L	96
55) Styrene	10.113	104	1050075	205.234	ug/L	98
59) Bromoform	10.290	173	98838	62.000	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	594150	237.452	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	420954	105.615	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	443929	107.742	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	608558	151.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	93751	137.004	ug/L	93

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

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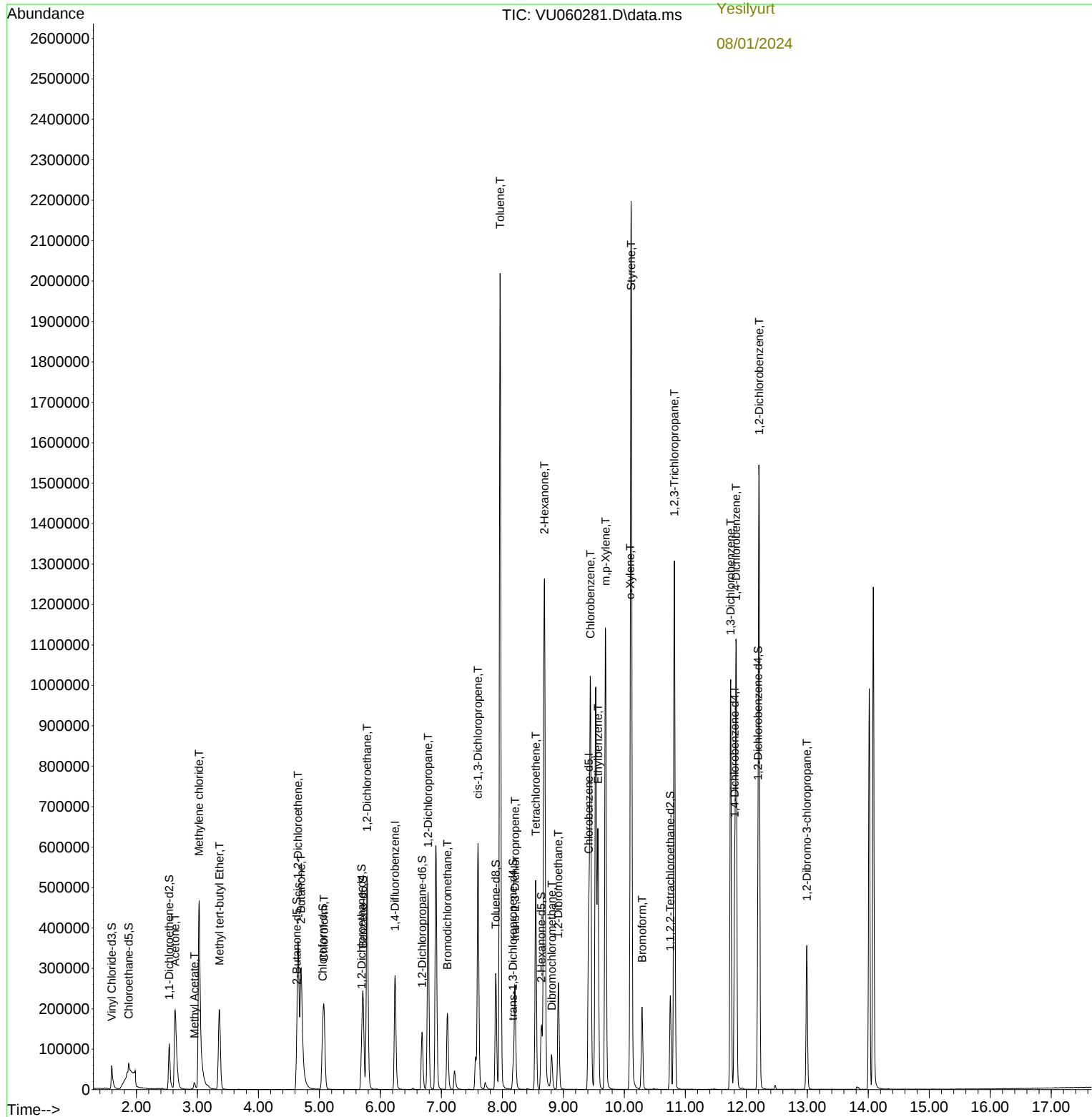
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
Quant Title : VOC Analysis
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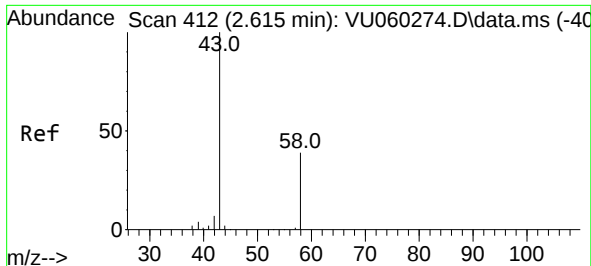
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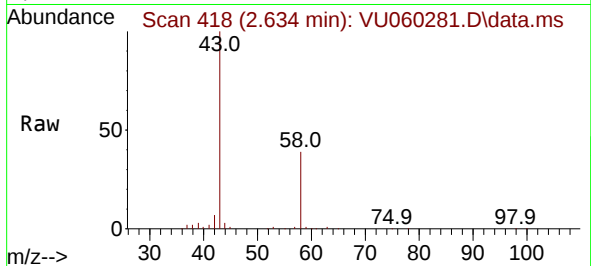
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#13
Acetone
Concen: 289.599 ug/L
RT: 2.634 min Scan# 412
Delta R.T. 0.019 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



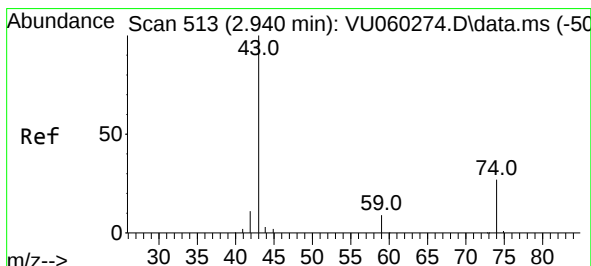
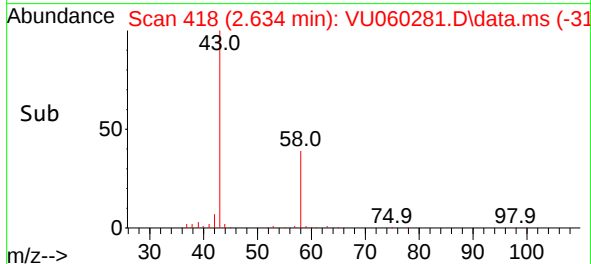
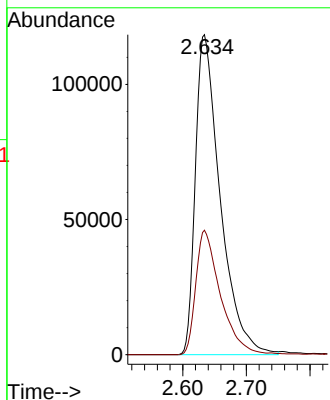
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Ion Ratio Lower Upper
43 100
58 38.3 0.0 73.8

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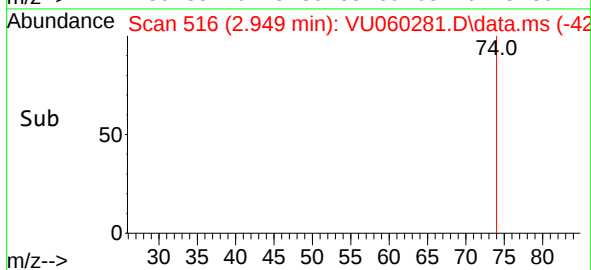
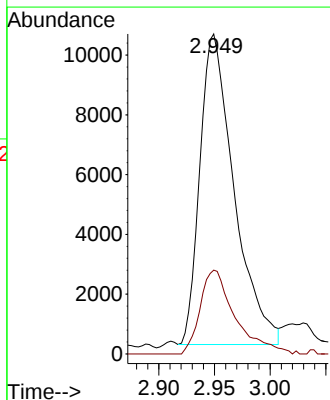
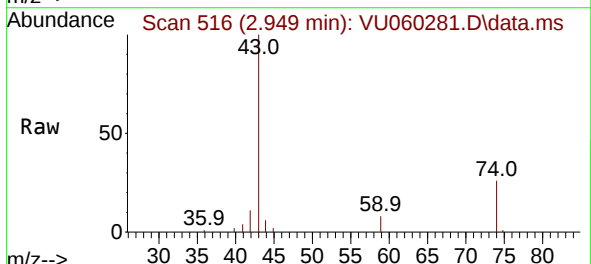
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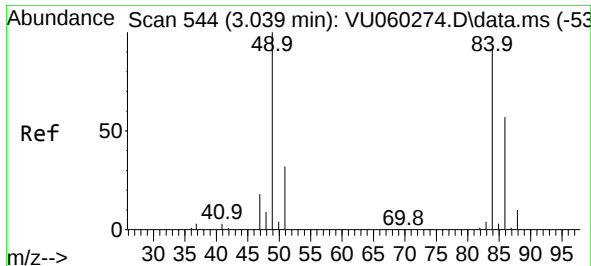
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#15
Methyl Acetate
Concen: 13.295 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.010 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

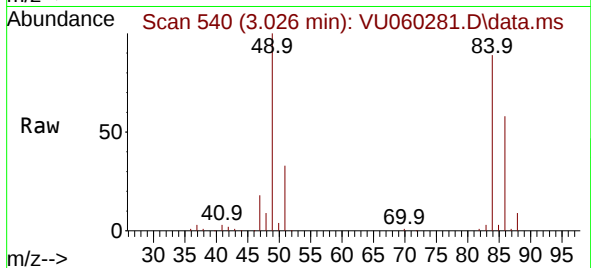
Tgt Ion: 43 Resp: 22218
Ion Ratio Lower Upper
43 100
74 27.5 24.1 36.1





#16
Methylene chloride
Concen: 181.264 ug/L
RT: 3.026 min Scan# 544
Delta R.T. -0.013 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
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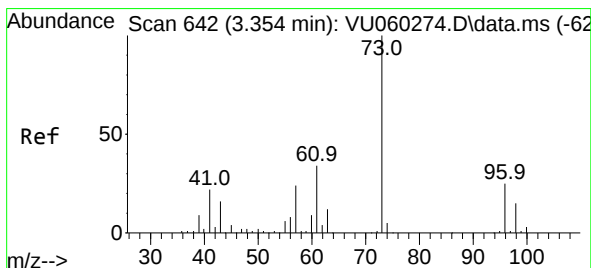
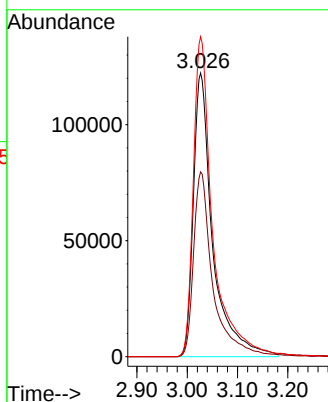
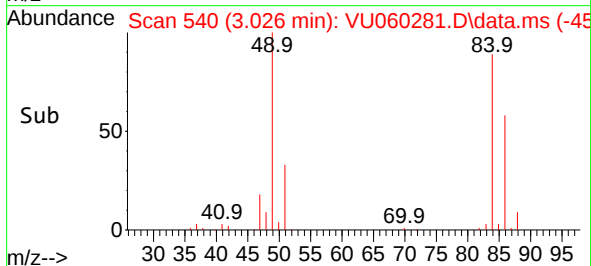
Tgt Ion: 84 Resp: 32695
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 112.8 71.6 133.0

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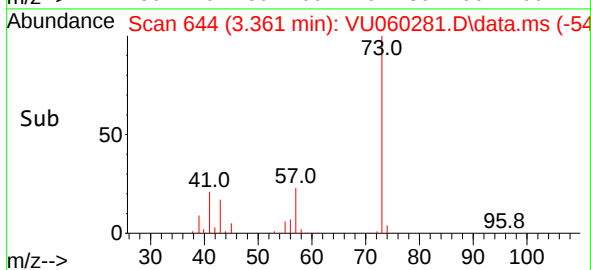
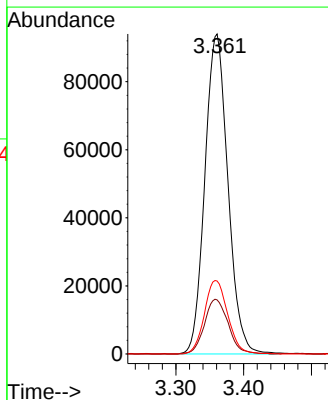
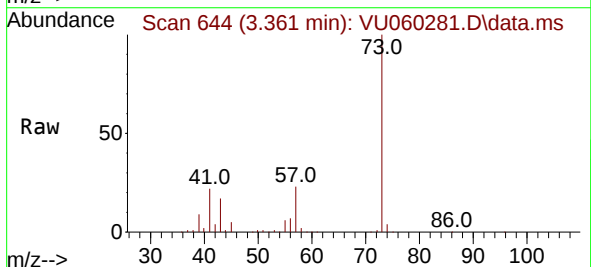
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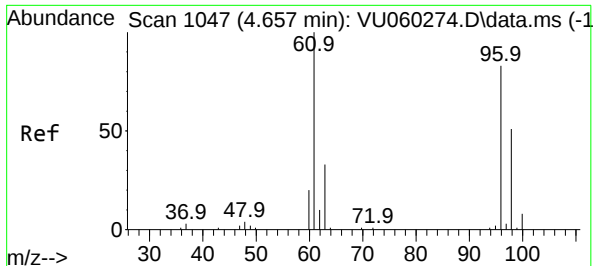
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#18
Methyl tert-butyl Ether
Concen: 46.422 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.006 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

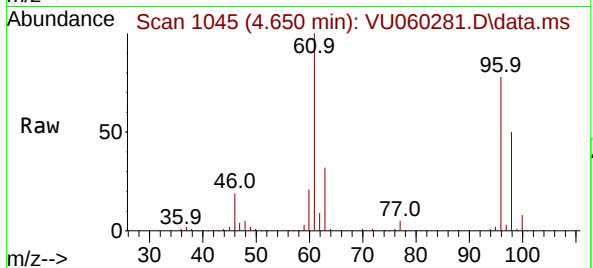
Tgt Ion: 73 Resp: 222033
Ion Ratio Lower Upper
73 100
43 17.6 14.1 21.1
57 23.2 17.1 25.7





#20
cis-1,2-Dichloroethene
Concen: 104.763 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.006 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



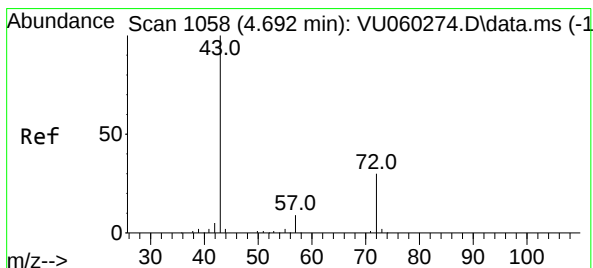
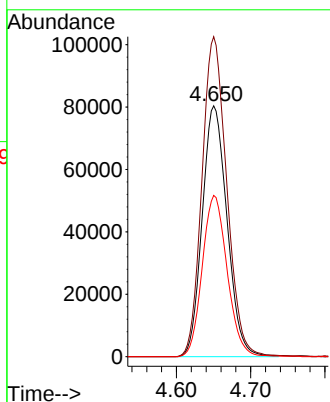
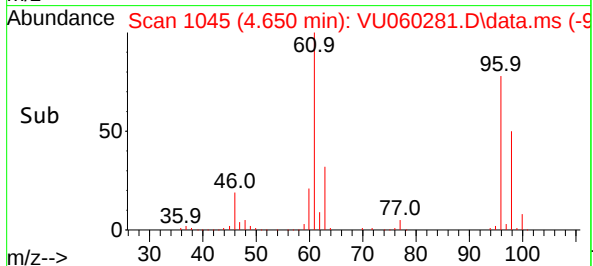
Tgt Ion: 96 Resp: 18681
Ion Ratio Lower Upper
96 100
61 127.6 83.2 154.4
98 64.3 45.9 85.3

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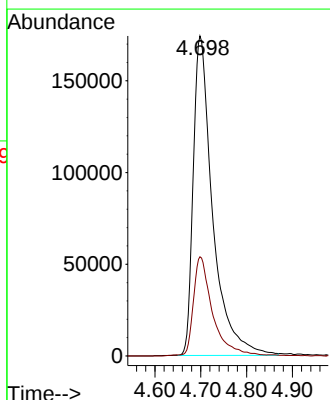
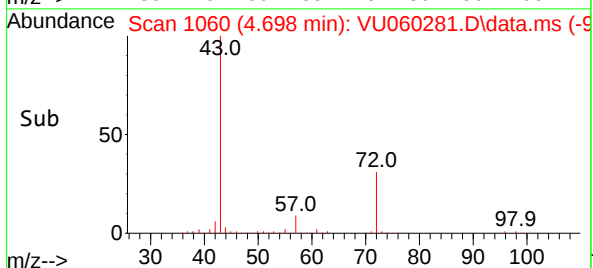
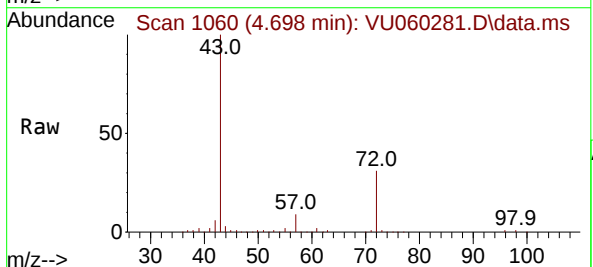
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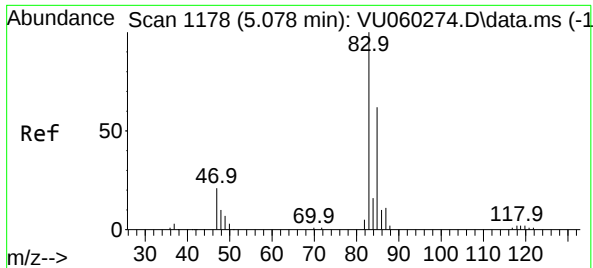
08/01/2024



#22
2-Butanone
Concen: 376.043 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

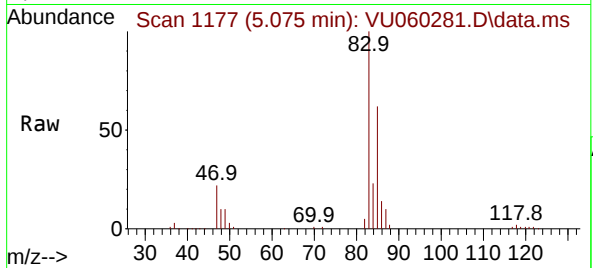
Tgt Ion: 43 Resp: 512837
Ion Ratio Lower Upper
43 100
72 29.1 16.4 49.2





#25
Chloroform
Concen: 55.861 ug/L
RT: 5.075 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

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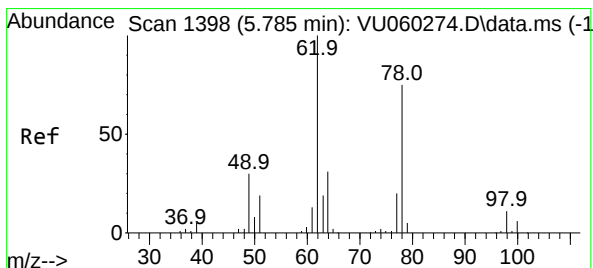
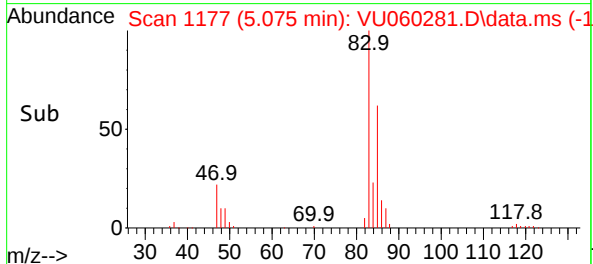
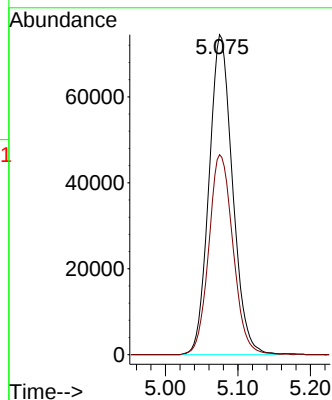
Tgt Ion: 83 Resp: 167890
Ion Ratio Lower Upper
83 100
85 62.5 46.7 86.7

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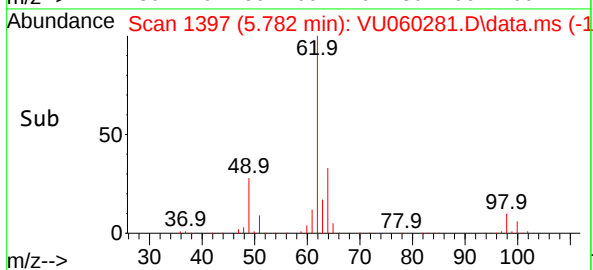
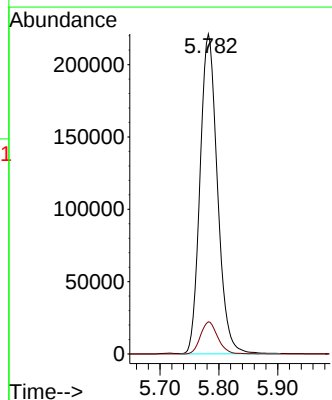
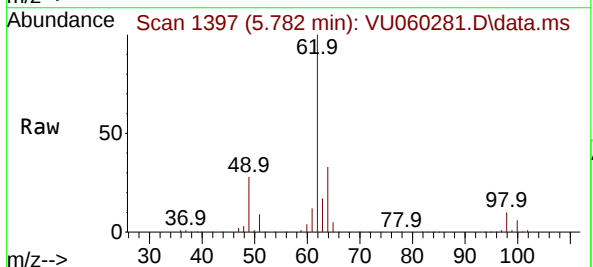
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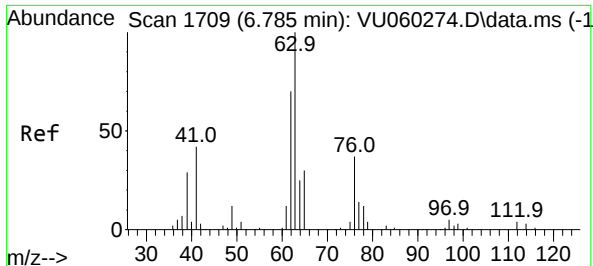
08/01/2024



#27
1,2-Dichloroethane
Concen: 199.185 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. -0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Tgt Ion: 62 Resp: 454464
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8





#37
1,2-Dichloropropane
Concen: 110.182 ug/L
RT: 6.782 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
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ClientSampleId :
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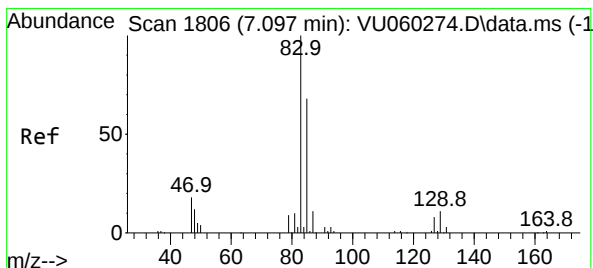
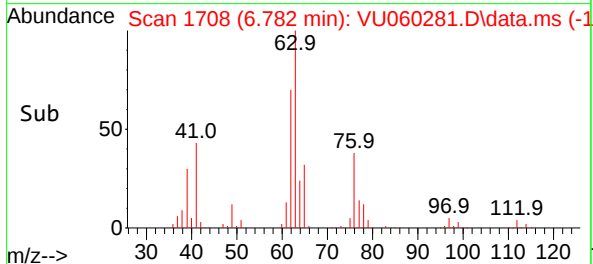
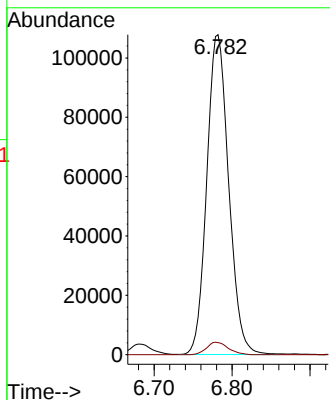
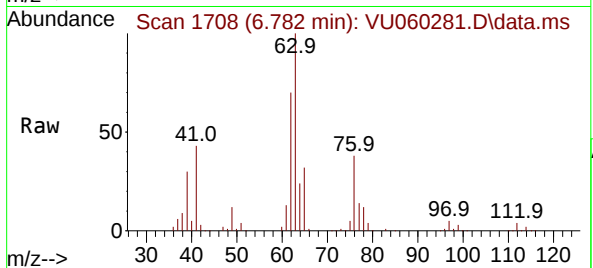
Tgt Ion: 63 Resp: 210714
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6

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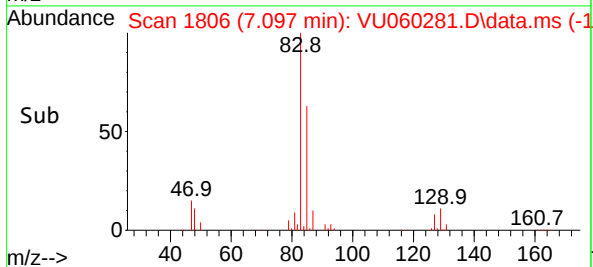
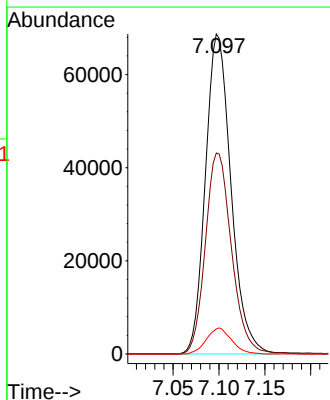
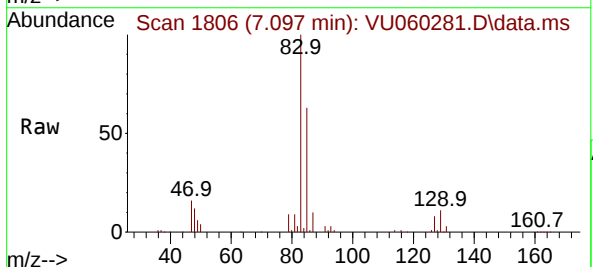
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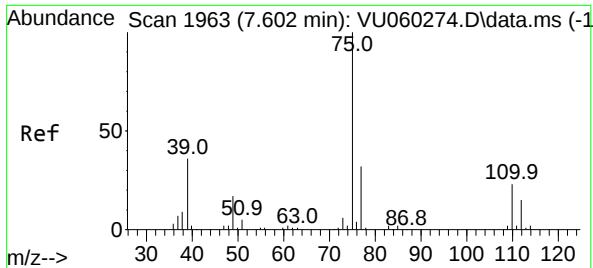
08/01/2024



#38
Bromodichloromethane
Concen: 55.067 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Tgt Ion: 83 Resp: 133436
Ion Ratio Lower Upper
83 100
85 62.8 45.0 83.6
127 7.8 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 132.682 ug/L

RT: 7.599 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU060281.D

Acq: 31 Jul 2024 14:01

Instrument :

MSVOA_U

ClientSampleId :

XB504

Tgt Ion: 75 Resp: 38822

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.2

Manual Integrations

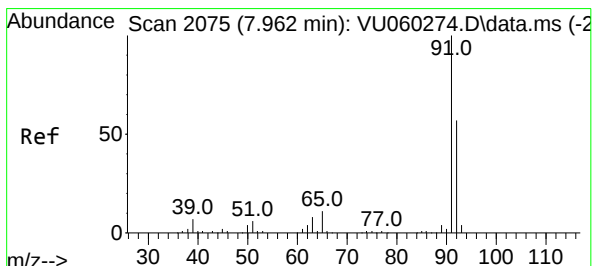
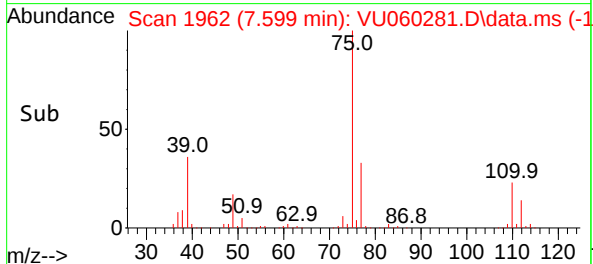
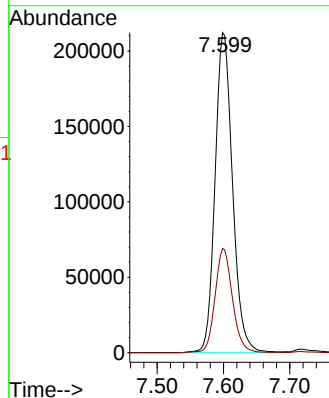
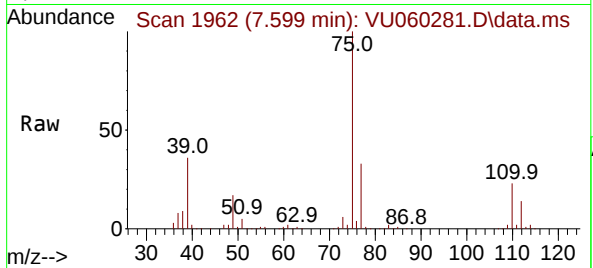
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Reviewed By :Mahesh
Dadoda

08/01/2024

Supervised By :Semsettin
Yesilyurt

08/01/2024



#42

Toluene

Concen: 202.218 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060281.D

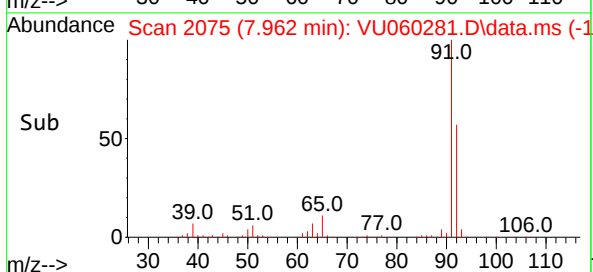
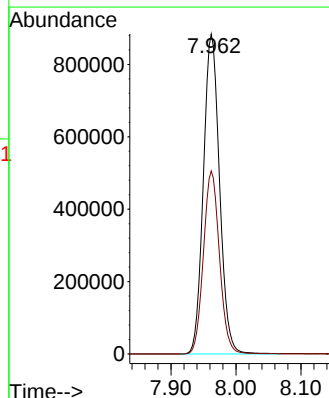
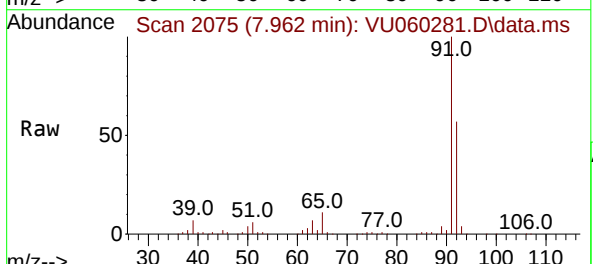
Acq: 31 Jul 2024 14:01

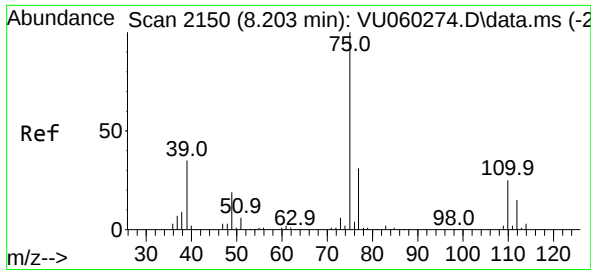
Tgt Ion: 91 Resp: 1533820

Ion Ratio Lower Upper

91 100

92 57.2 39.3 72.9





#44
trans-1,3-Dichloropropene
Concen: 60.589 ug/L
RT: 8.206 min Scan# 2150
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504

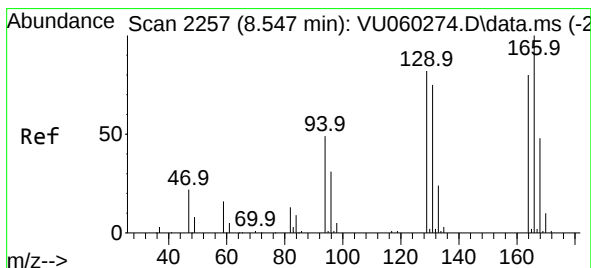
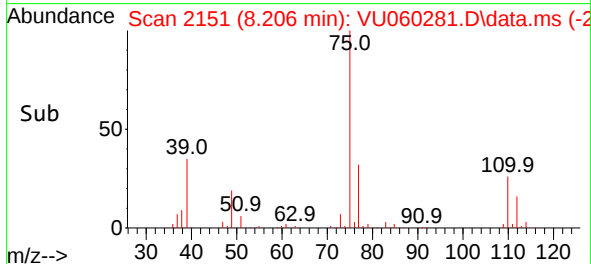
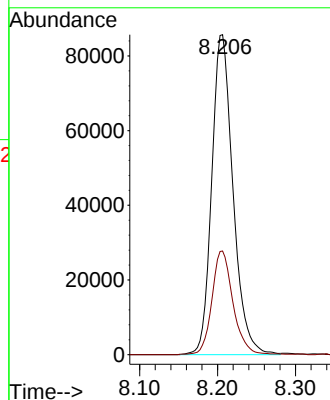
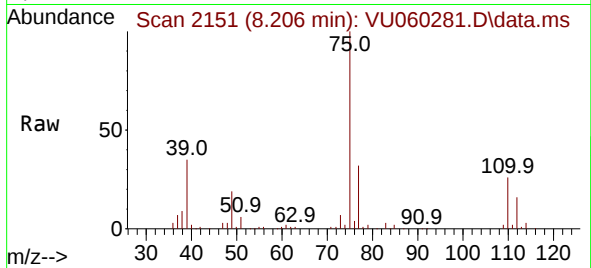
Tgt Ion: 75 Resp: 16284
Ion Ratio Lower Upper
75 100
77 32.4 21.7 40.3

Manual Integrations
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Reviewed By :Mahesh
Dadoda

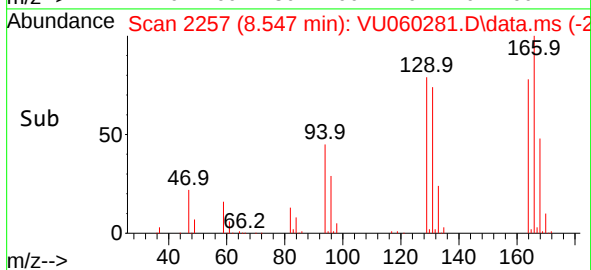
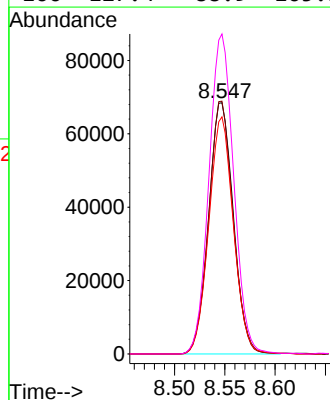
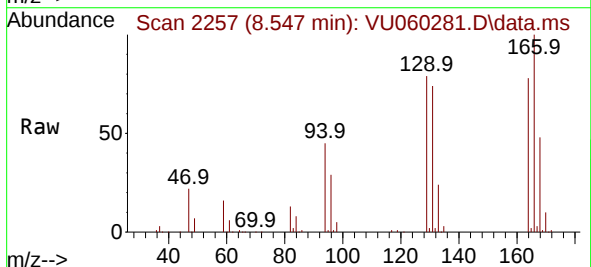
08/01/2024
Supervised By :Semsettin
Yesilyurt

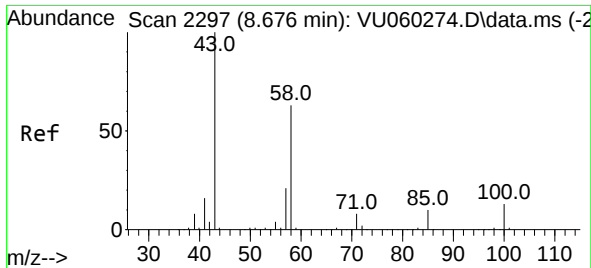
08/01/2024



#46
Tetrachloroethene
Concen: 76.707 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

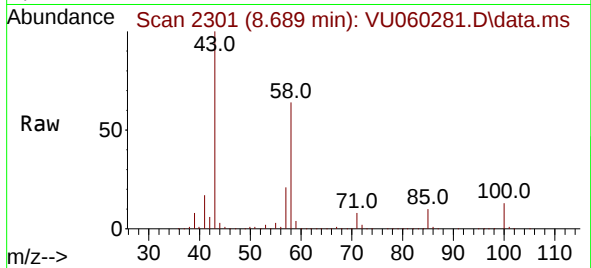
Tgt Ion:164 Resp: 116999
Ion Ratio Lower Upper
164 100
129 100.7 62.7 116.5
131 94.4 62.3 115.7
166 127.4 88.9 165.1





#48
2-Hexanone
Concen: 468.781 ug/L
RT: 8.689 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



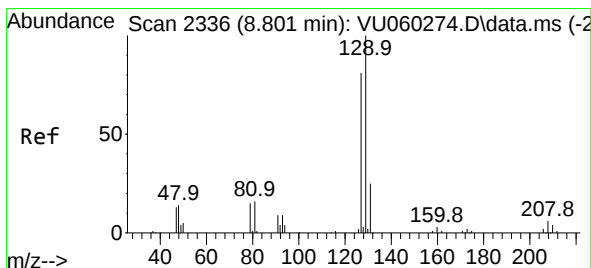
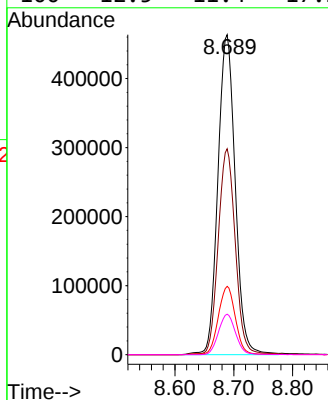
Tgt Ion: 43 Resp: 948310
Ion Ratio Lower Upper
43 100
58 63.5 49.0 73.6
57 20.7 16.7 25.1
100 12.5 11.4 17.2

Manual Integrations
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Reviewed By :Mahesh
Dadoda

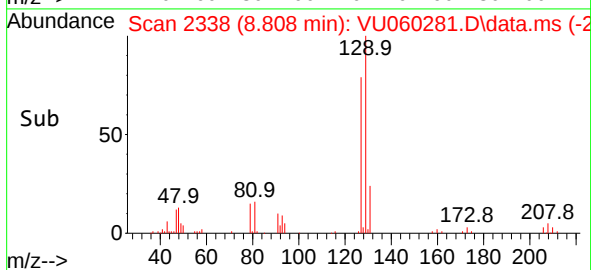
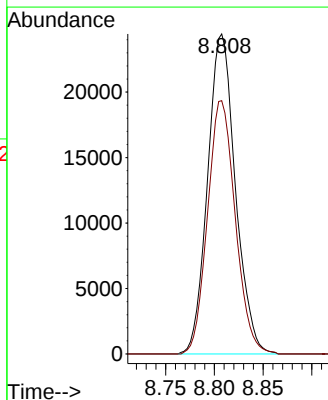
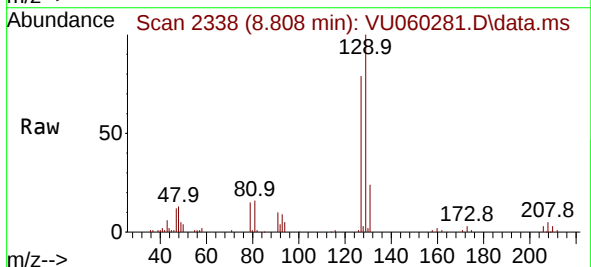
08/01/2024
Supervised By :Semsettin
Yesilyurt

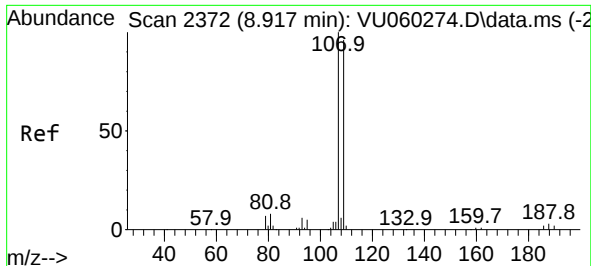
08/01/2024



#49
Dibromochloromethane
Concen: 24.620 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

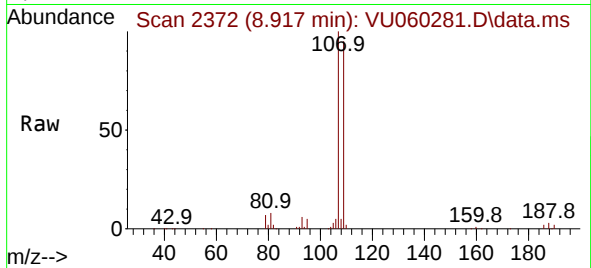
Tgt Ion:129 Resp: 48584
Ion Ratio Lower Upper
129 100
127 79.1 54.0 100.2





#50
1,2-Dibromoethane
Concen: 89.127 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



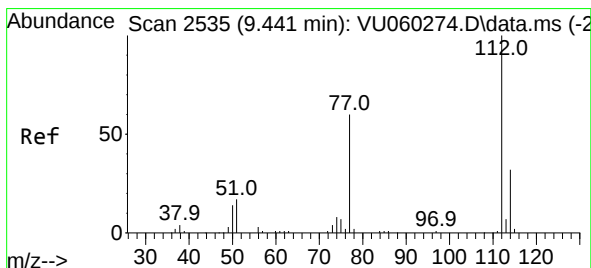
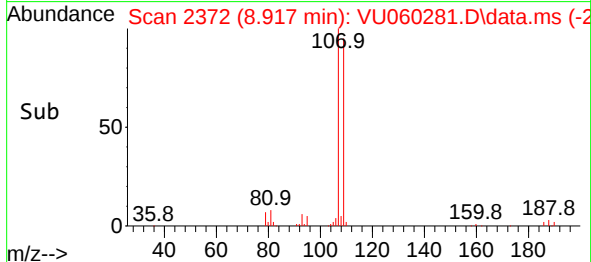
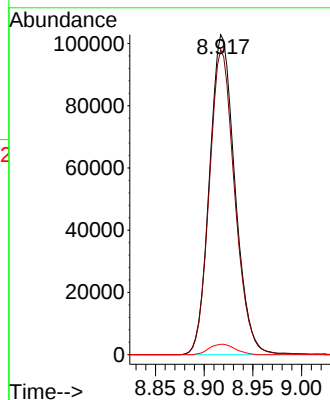
Tgt Ion:107 Resp: 186639
Ion Ratio Lower Upper
107 100
109 95.3 65.5 121.6
188 3.3 3.0 4.4

Manual Integrations
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Reviewed By :Mahesh
Dadoda

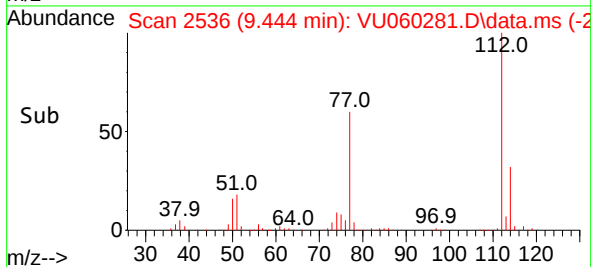
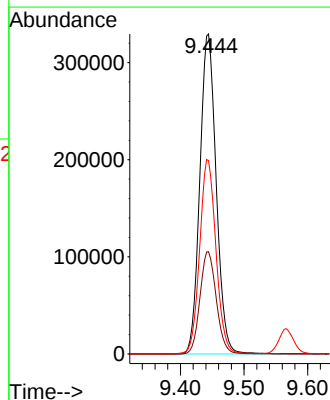
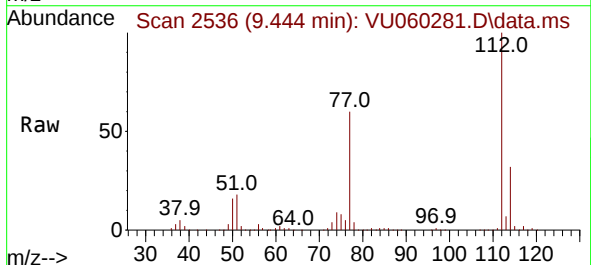
08/01/2024
Supervised By :Semsettin
Yesilyurt

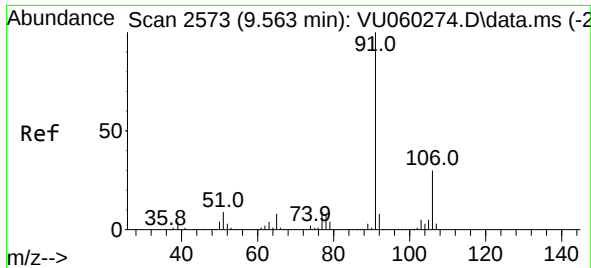
08/01/2024



#51
Chlorobenzene
Concen: 116.804 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

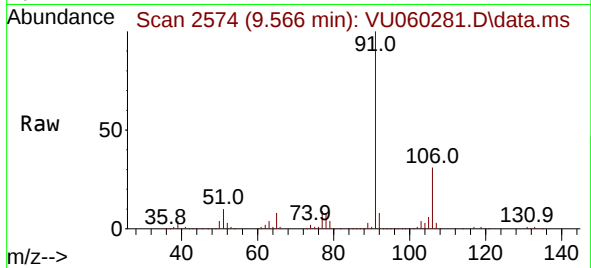
Tgt Ion:112 Resp: 588167
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 60.4 45.8 68.6





#52
Ethylbenzene
Concen: 56.853 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



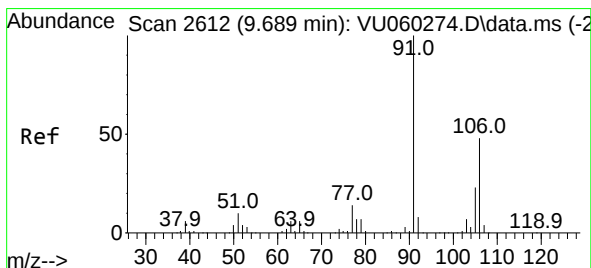
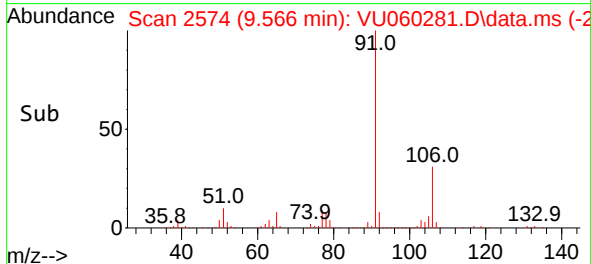
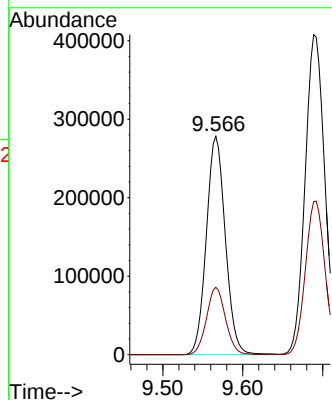
Tgt Ion: 91 Resp: 460507
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6

Manual Integrations
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Reviewed By :Mahesh
Dadoda

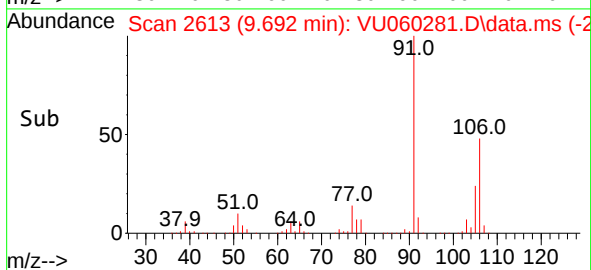
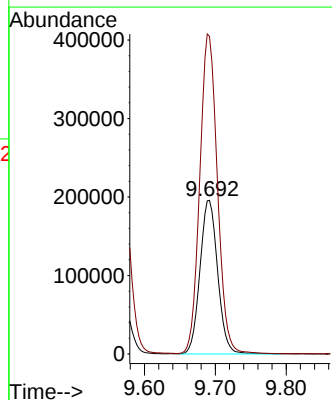
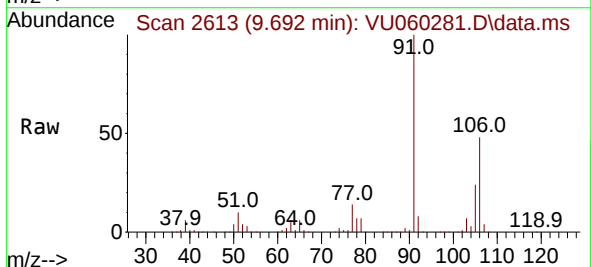
08/01/2024
Supervised By :Semsettin
Yesilyurt

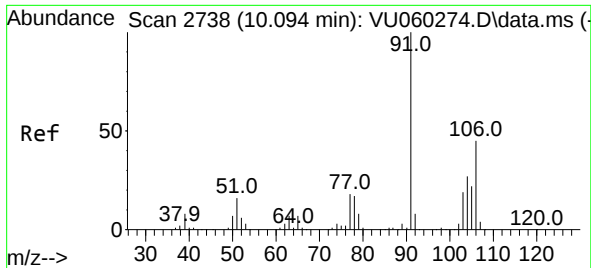
08/01/2024



#53
m,p-Xylene
Concen: 107.523 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Tgt Ion:106 Resp: 339107
Ion Ratio Lower Upper
106 100
91 206.8 140.9 261.7





#54
o-Xylene
Concen: 37.158 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504

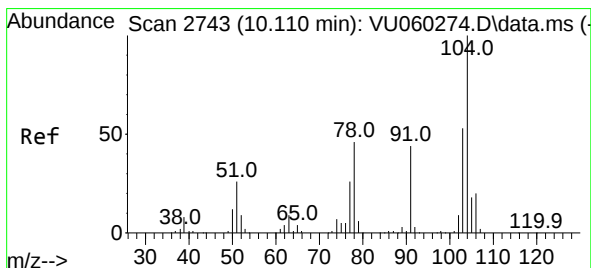
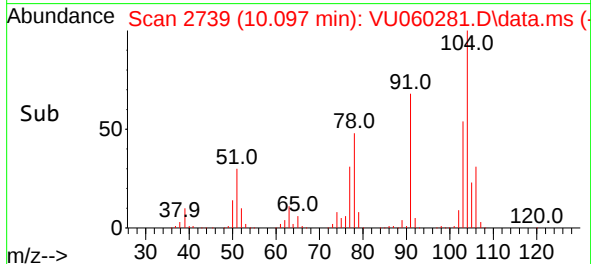
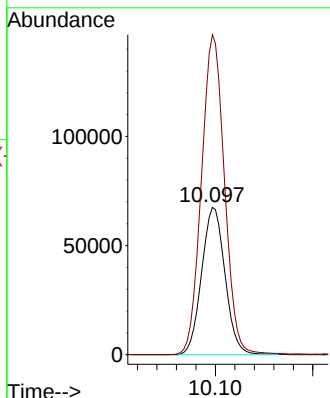
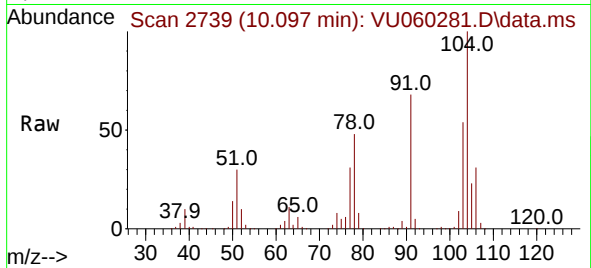
Tgt Ion:106 Resp: 112690
Ion Ratio Lower Upper
106 100
91 217.1 147.4 273.8

Manual Integrations
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Reviewed By :Mahesh
Dadoda

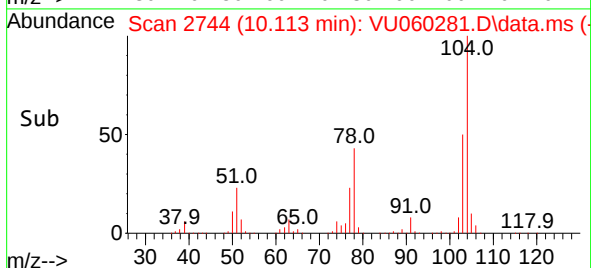
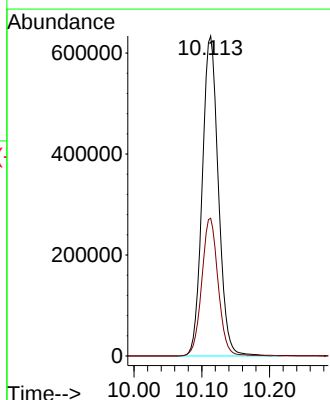
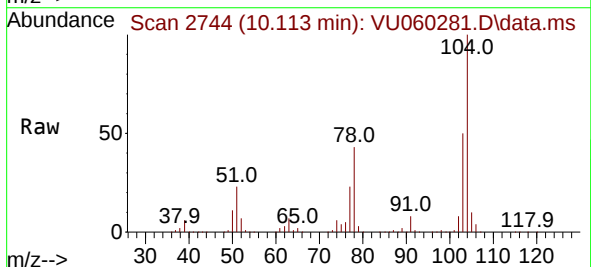
08/01/2024
Supervised By :Semsettin
Yesilyurt

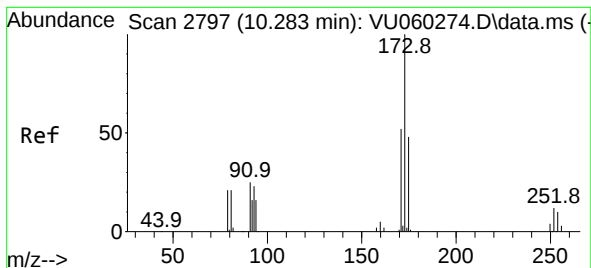
08/01/2024



#55
Styrene
Concen: 205.234 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Tgt Ion:104 Resp: 1050075
Ion Ratio Lower Upper
104 100
78 43.0 30.9 57.5





#59

Bromoform

Concen: 62.000 ug/L

RT: 10.290 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU060281.D

Acq: 31 Jul 2024 14:01

Instrument :

MSVOA_U

ClientSampleId :

XB504

Tgt Ion:	173	Resp:	98838
Ion Ratio	Lower	Upper	
173	100		
175	49.2	39.4	59.2
254	10.2	9.0	13.4

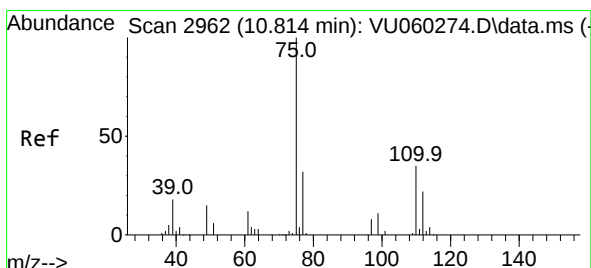
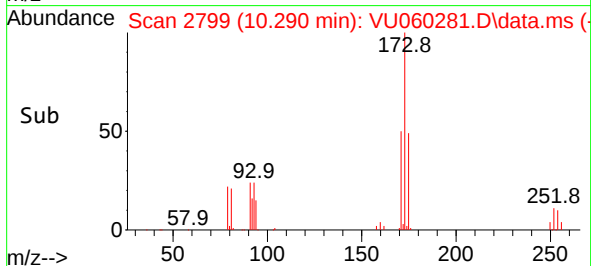
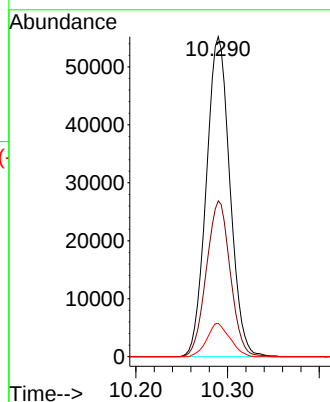
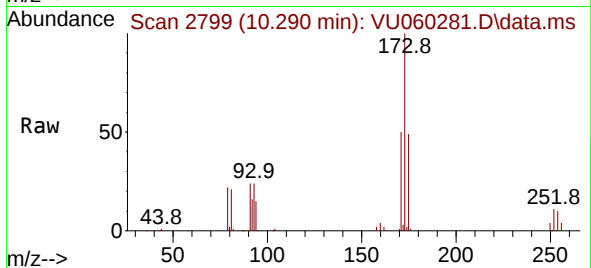
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

08/01/2024

Supervised By :Semsettin
Yesilyurt

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#60

1,2,3-Trichloropropane

Concen: 237.452 ug/L

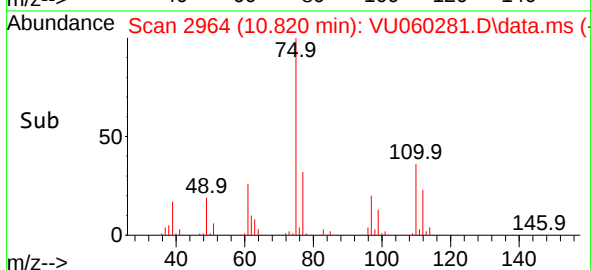
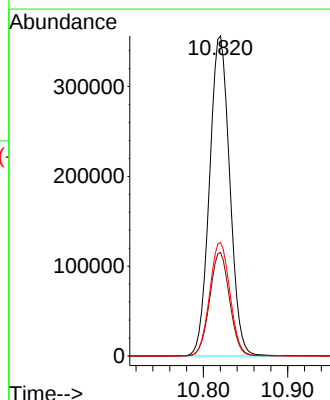
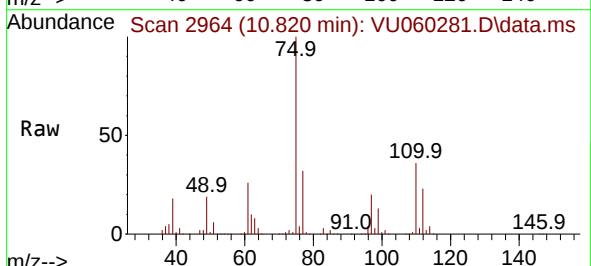
RT: 10.820 min Scan# 2964

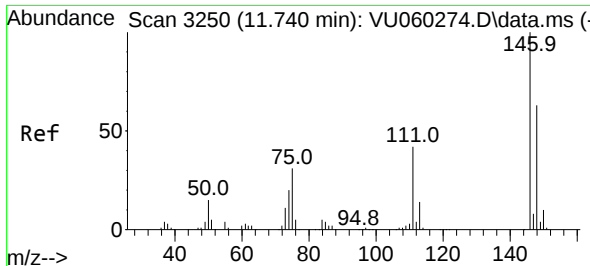
Delta R.T. 0.006 min

Lab File: VU060281.D

Acq: 31 Jul 2024 14:01

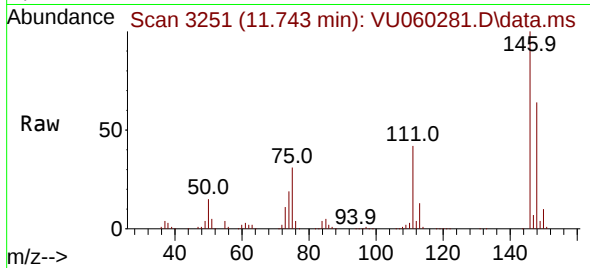
Tgt Ion:	75	Resp:	594150
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.5	38.3
110	35.7	30.7	46.1





#64
1,3-Dichlorobenzene
Concen: 105.615 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



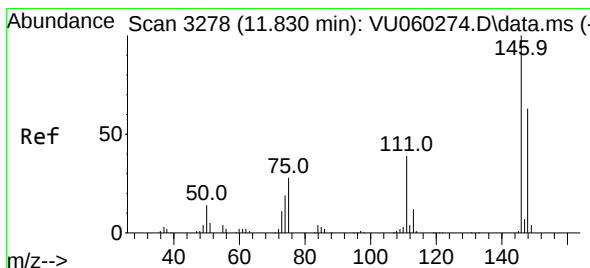
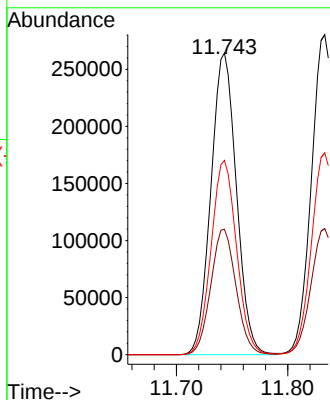
Tgt Ion:146 Resp: 420954
Ion Ratio Lower Upper
146 100
111 41.6 26.5 49.1
148 64.4 43.8 81.3

Manual Integrations
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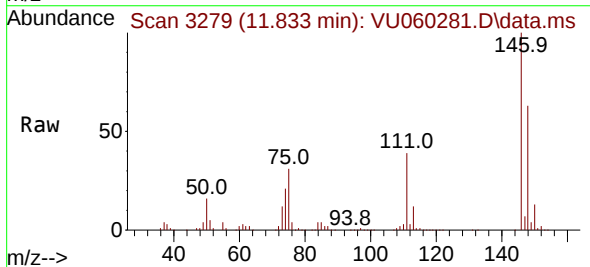
Reviewed By :Mahesh
Dadoda

08/01/2024
Supervised By :Semsettin
Yesilyurt

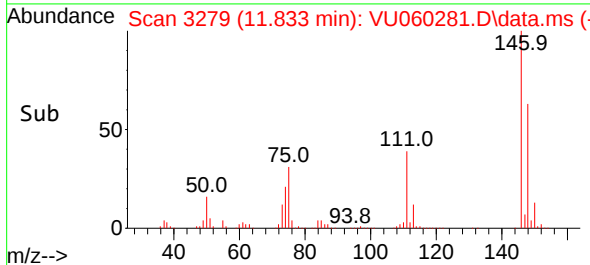
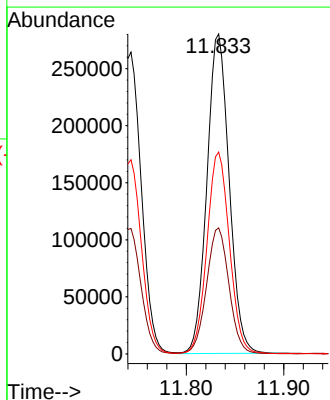
08/01/2024

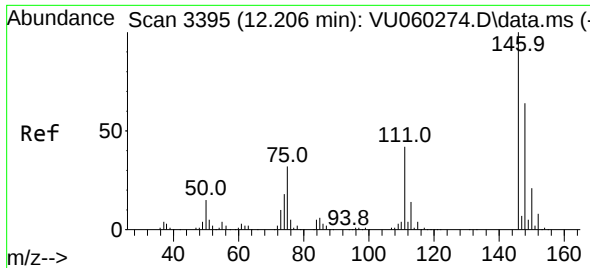


#65
1,4-Dichlorobenzene
Concen: 107.742 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01



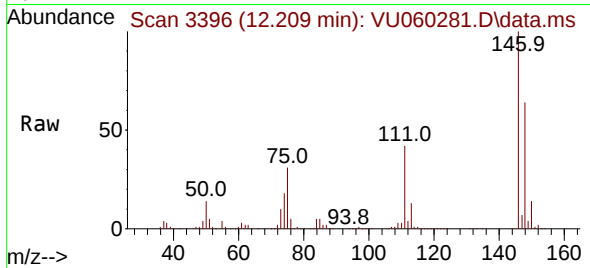
Tgt Ion:146 Resp: 443929
Ion Ratio Lower Upper
146 100
111 39.4 25.9 48.1
148 63.1 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 151.142 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
XB504



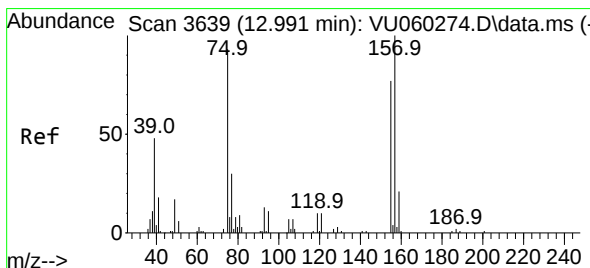
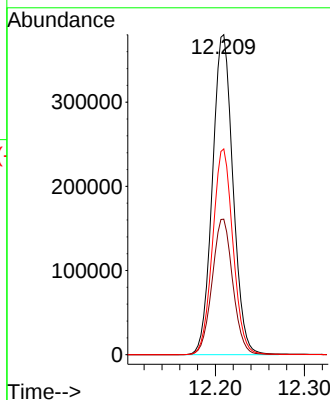
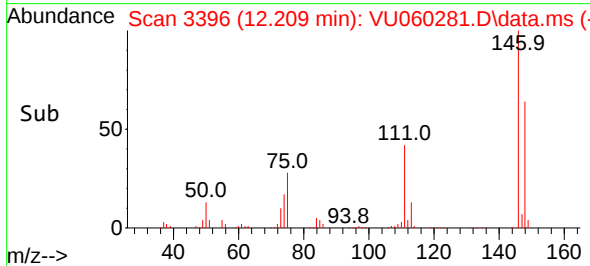
Tgt Ion:146 Resp: 608558
Ion Ratio Lower Upper
146 100
111 42.3 31.7 47.5
148 64.3 50.8 76.2

Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

08/01/2024
Supervised By :Semsettin
Yesilyurt

08/01/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 137.004 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU060281.D
Acq: 31 Jul 2024 14:01

Tgt Ion: 75 Resp: 93751
Ion Ratio Lower Upper
75 100
155 84.8 73.5 110.3
157 108.8 93.5 140.3

