

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
 Data File : VU060099.D
 Acq On : 22 Jul 2024 17:57
 Operator : MD/SY
 Sample : P3325-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B29

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 07:22:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 23 07:21:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	121414	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	127075	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65516	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	35317	4.181	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.907	69	35717	4.551	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.560	65	14010	4.248	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.621	46	109500	55.443	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.880%
24) Chloroform-d	5.055	84	86818	4.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.695	65	41296	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.721	84	148578	4.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.685	67	51820	4.776	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.894	98	120092	3.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.177	79	16681	4.517	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.627	63	91730	55.974	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.940%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	51981	5.383	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	57612	4.872	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	5638	0.454	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	29893	2.922	ug/L	97
12) 1,1-Dichloroethene	2.573	96	152628	16.469	ug/L #	80
13) Acetone	2.634	43	8101	6.201	ug/L	94
16) Methylene chloride	3.036	84	1394290	122.711	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	5414	0.256	ug/L #	83
18) trans-1,2-Dichloroethene	3.348	96	3624	0.376	ug/L	91
19) 1,1-Dichloroethane	3.859	63	42740	2.335	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	496534	45.987	ug/L	99
25) Chloroform	5.081	83	144480	7.178	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	13974	0.880	ug/L	98
31) Carbon tetrachloride	5.518	117	23936	1.748	ug/L	97
33) Benzene	5.775	78	6767	0.161	ug/L	100
34) Trichloroethene	6.537	95	17906005m	1608.290	ug/L	
38) Bromodichloromethane	7.103	83	3089	0.217	ug/L	92
42) Toluene	7.968	91	40911	0.916	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	4085	0.471	ug/L	96
47) Tetrachloroethene	8.547	164	447946	48.660	ug/L	99
52) Ethylbenzene	9.566	91	133928	3.006	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.688	106	225985	13.130	ug/L	99
54) o-Xylene	10.097	106	116348	7.069	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	17083	0.522	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	53688	1.697	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	23545	1.067	ug/L	99

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

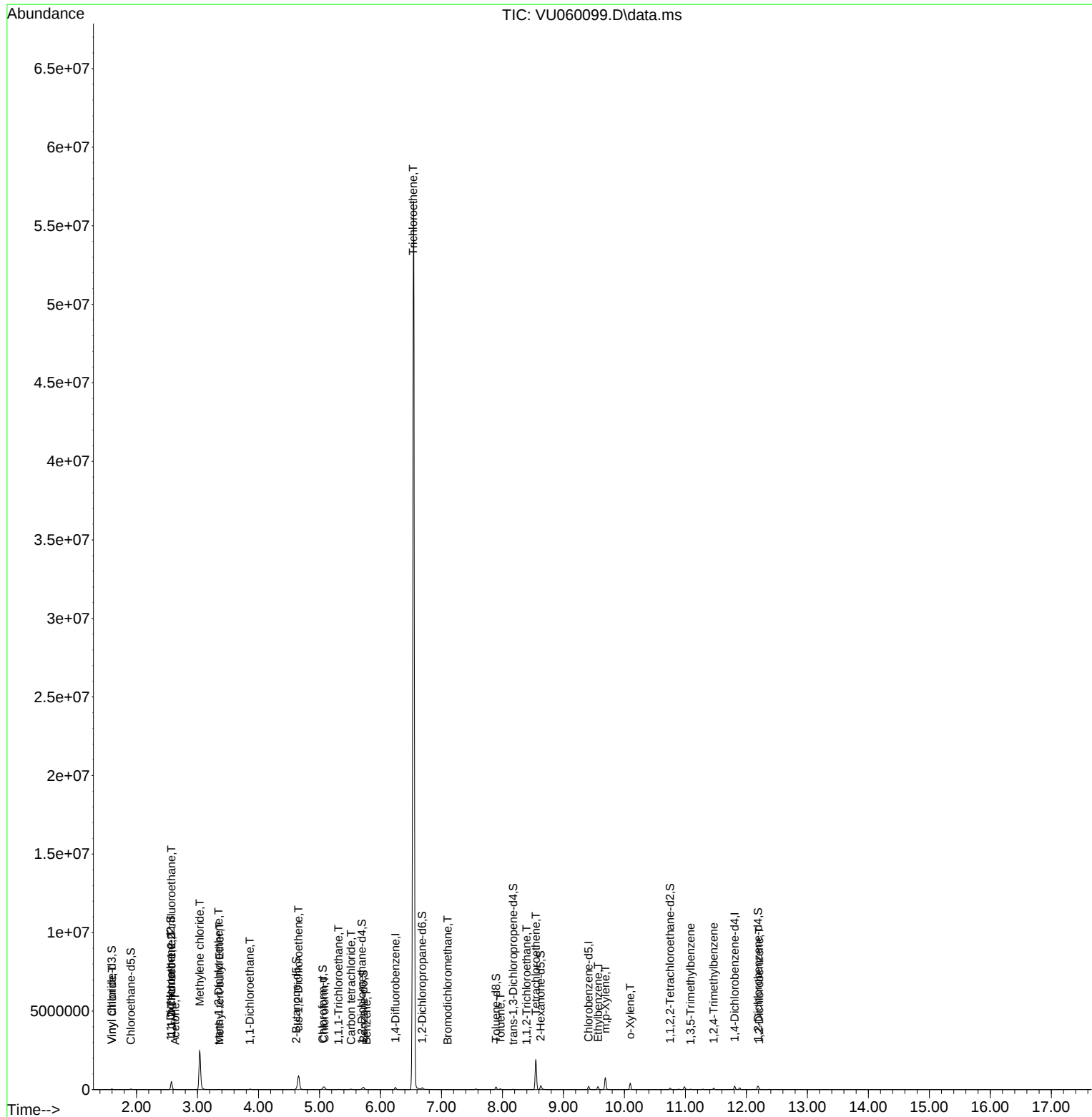
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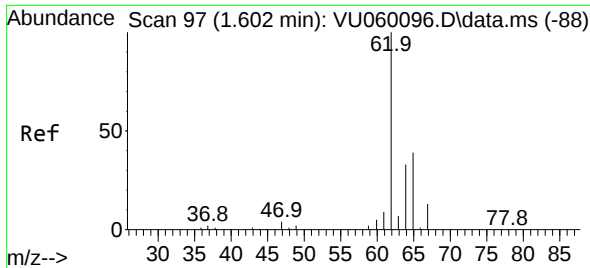
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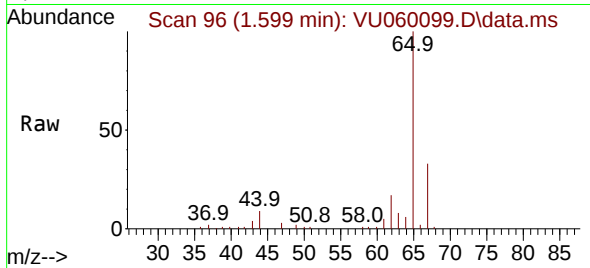
Quant Time: Jul 23 07:22:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 23 07:21:00 2024
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 0.454 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU060099.D
 Acq: 22 Jul 2024 17:57

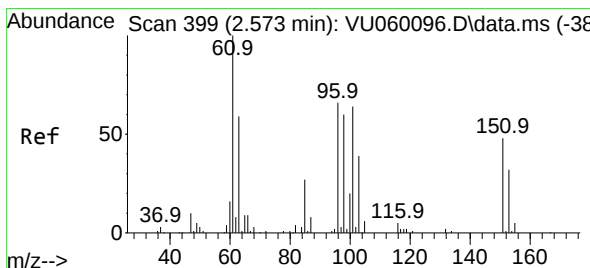
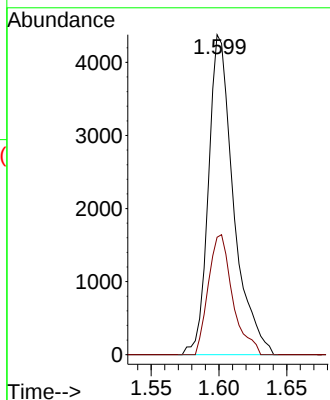
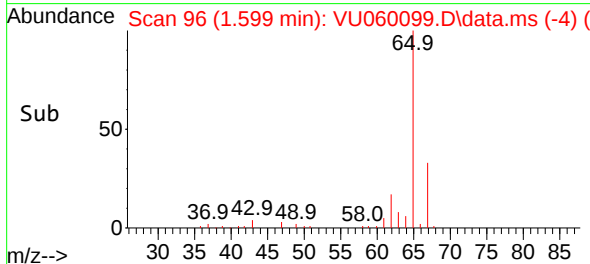
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B29



Tgt Ion: 62 Resp: 5638
 Ion Ratio Lower Upper
 62 100
 64 36.7 22.8 42.4

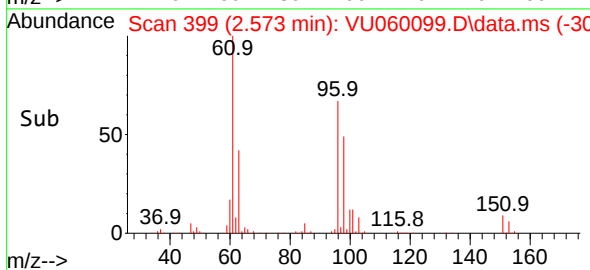
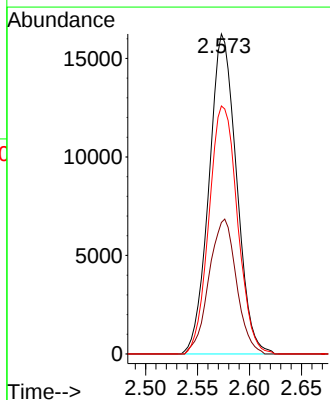
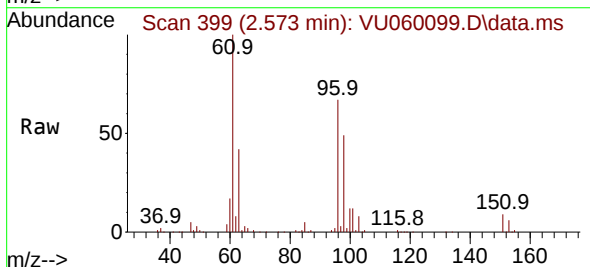
Manual Integrations
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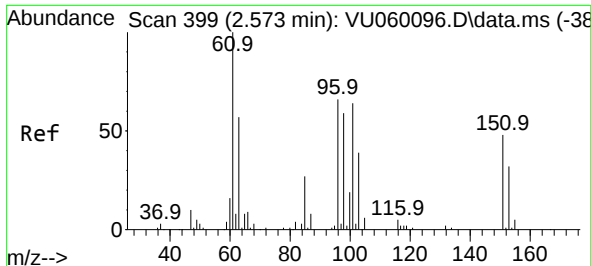
Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.922 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU060099.D
 Acq: 22 Jul 2024 17:57

Tgt Ion:101 Resp: 29893
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.2 49.8
 151 80.2 61.8 92.8





#12

1,1-Dichloroethene

Concen: 16.469 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU060099.D

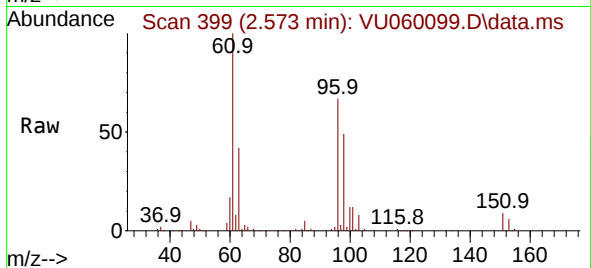
Acq: 22 Jul 2024 17:57

Instrument :

MSVOA_U

ClientSampleId :

C0B29



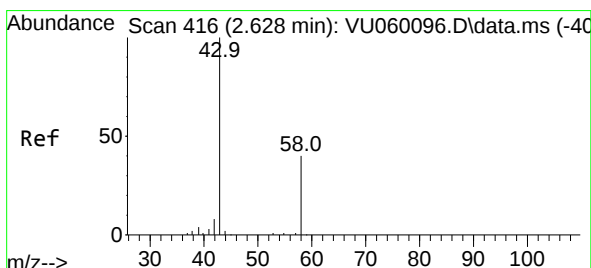
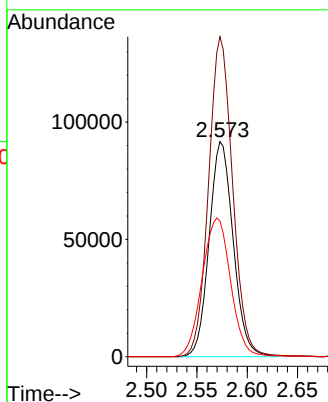
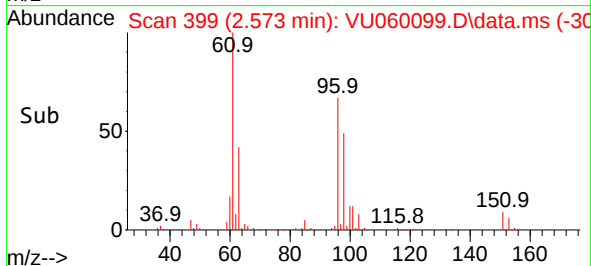
Tgt Ion: 96 Resp: 152628

Ion	Ratio	Lower	Upper
96	100		
61	148.8	107.0	198.6
63	63.0	76.4	142.0

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#13

Acetone

Concen: 6.201 ug/L

RT: 2.634 min Scan# 418

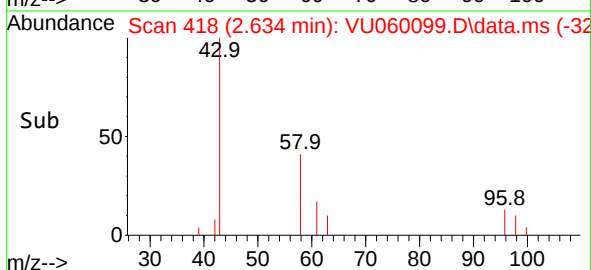
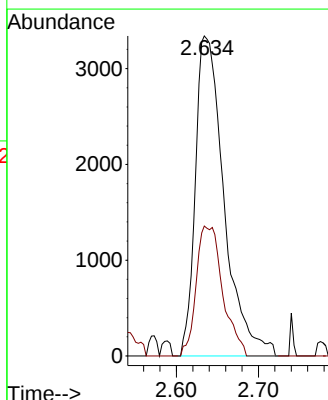
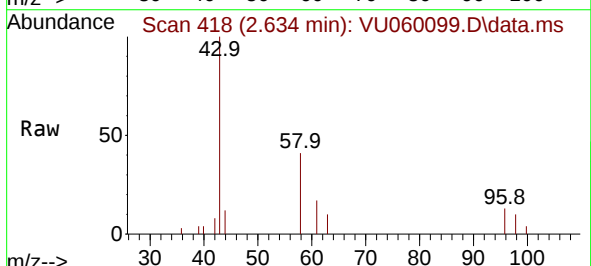
Delta R.T. 0.006 min

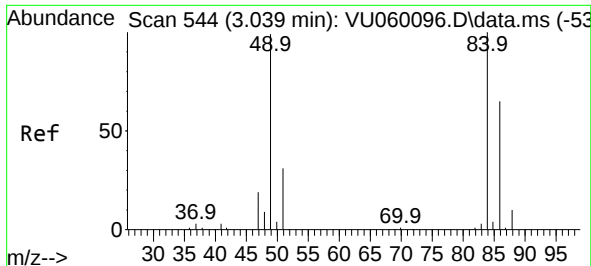
Lab File: VU060099.D

Acq: 22 Jul 2024 17:57

Tgt Ion: 43 Resp: 8101

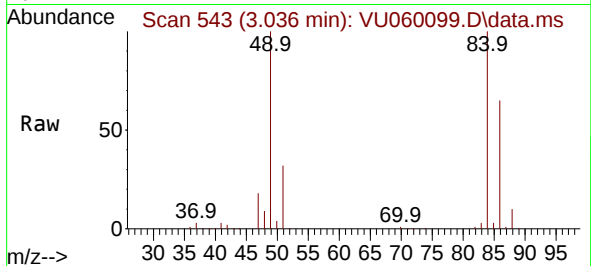
Ion	Ratio	Lower	Upper
43	100		
58	37.4	0.0	82.2





#16
Methylene chloride
Concen: 122.711 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

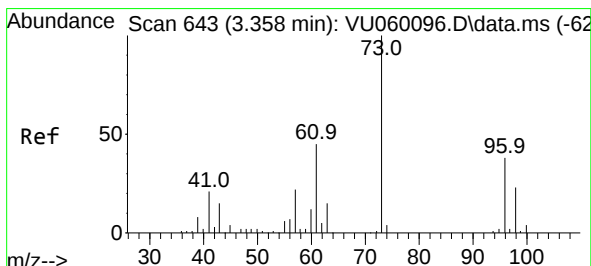
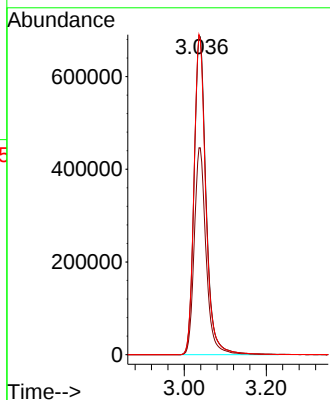
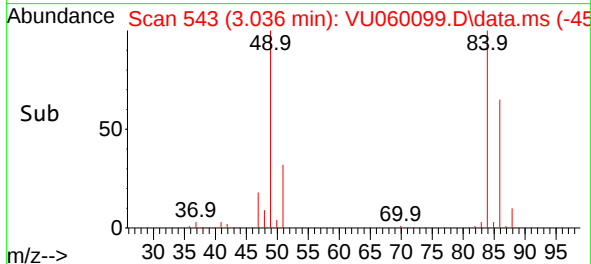
Instrument :
MSVOA_U
ClientSampleId :
C0B29



Tgt Ion: 84 Resp: 1394290
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.5
49 100.3 72.0 133.6

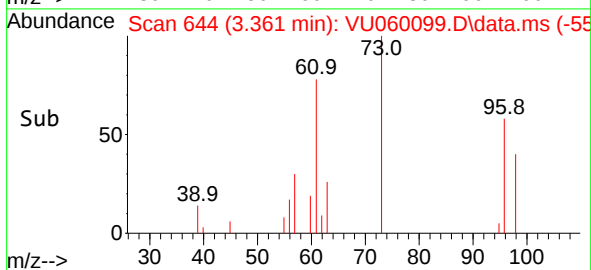
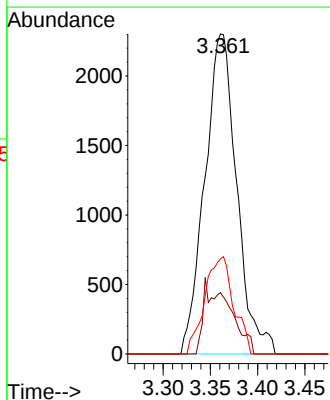
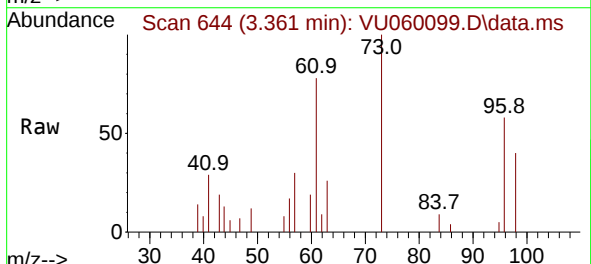
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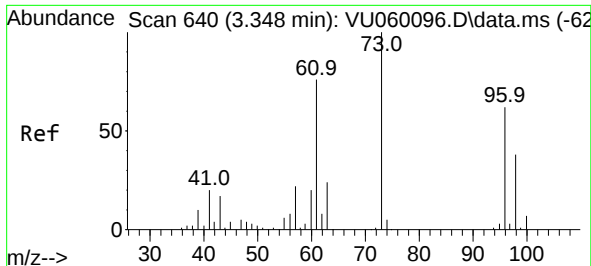
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#17
Methyl tert-butyl Ether
Concen: 0.256 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

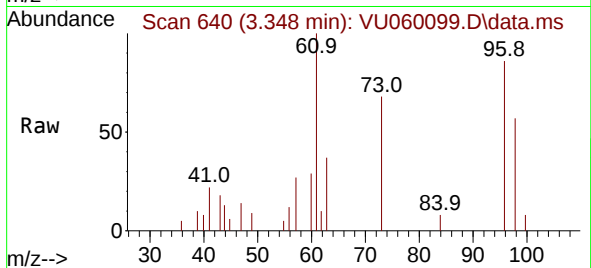
Tgt Ion: 73 Resp: 5414
Ion Ratio Lower Upper
73 100
43 7.3 13.1 19.7#
57 27.5 17.0 25.4#





#18
trans-1,2-Dichloroethene
Concen: 0.376 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

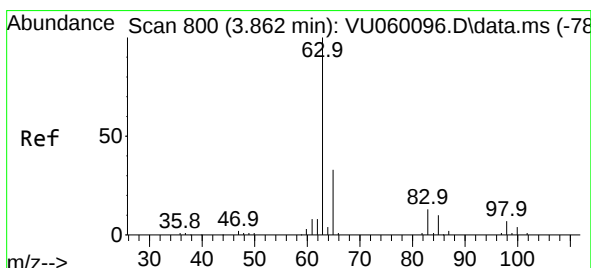
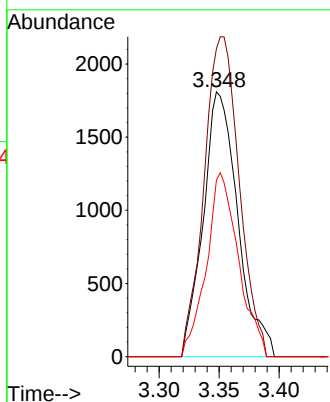
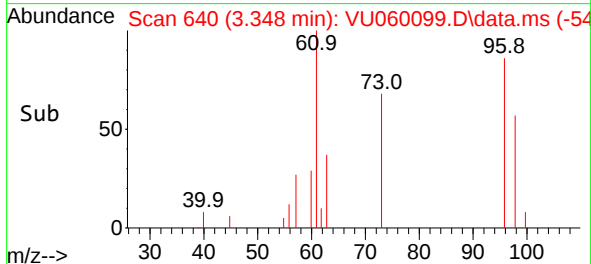
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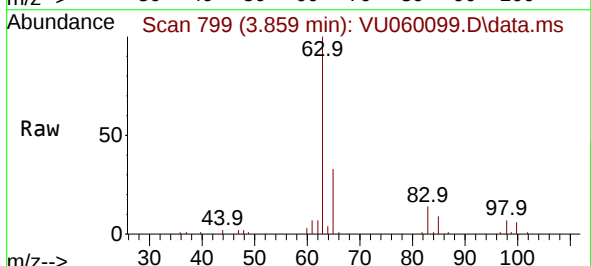
Tgt Ion: 96 Resp: 3624
Ion Ratio Lower Upper
96 100
61 116.3 91.6 170.0
98 66.6 47.7 88.5

Manual Integrations
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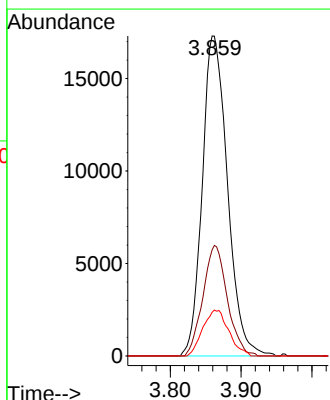
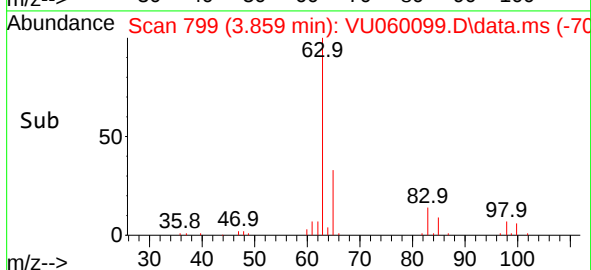
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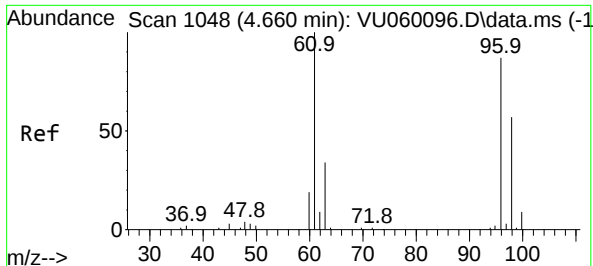


#19
1,1-Dichloroethane
Concen: 2.335 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57



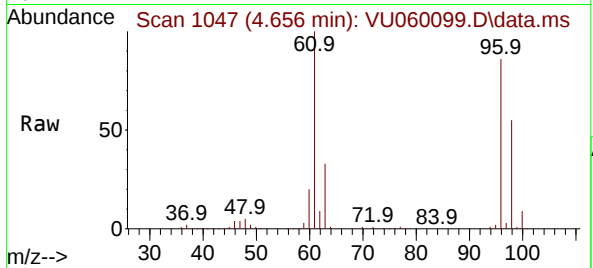
Tgt Ion: 63 Resp: 42740
Ion Ratio Lower Upper
63 100
65 33.1 22.0 40.8
83 13.7 9.7 17.9





#22
cis-1,2-Dichloroethene
Concen: 45.987 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

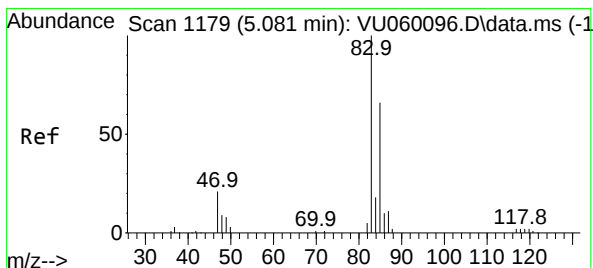
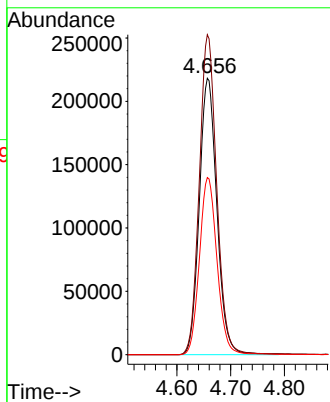
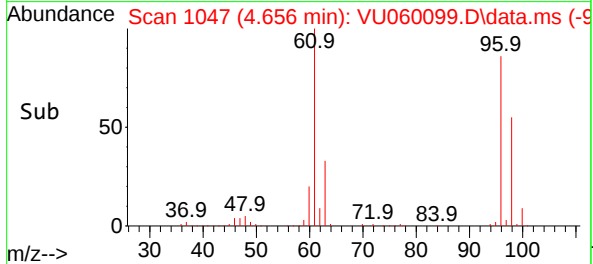
Instrument :
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Tgt Ion: 96 Resp: 496534
Ion Ratio Lower Upper
96 100
61 115.7 80.2 148.9
98 64.1 44.7 83.1

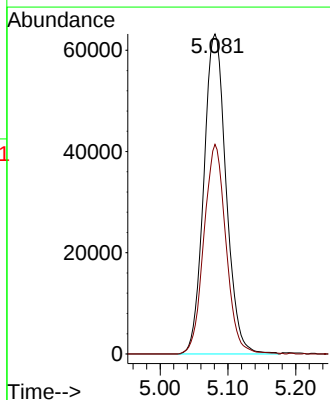
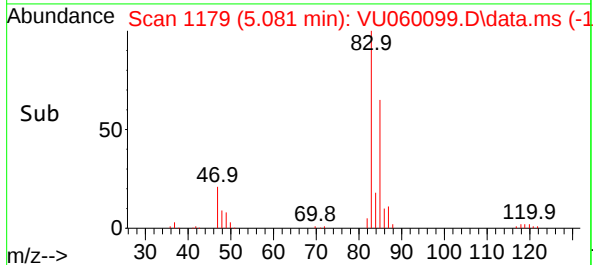
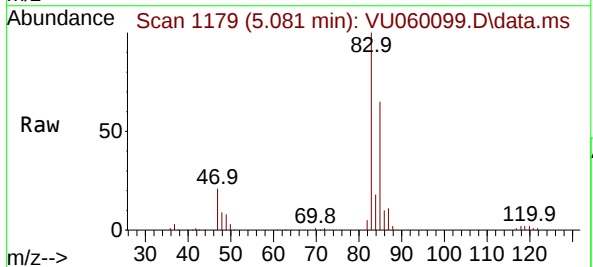
Manual Integrations
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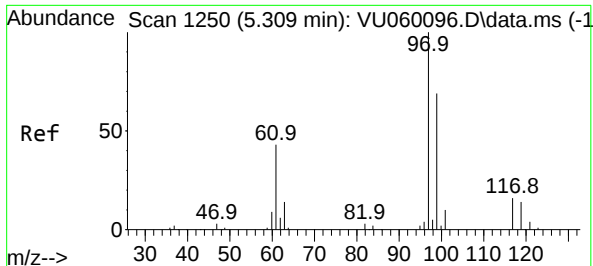
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#25
Chloroform
Concen: 7.178 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

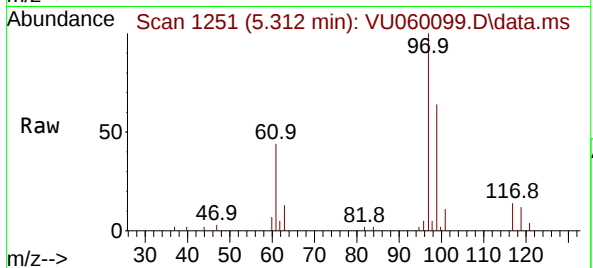
Tgt Ion: 83 Resp: 144480
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.2





#29
1,1,1-Trichloroethane
Concen: 0.880 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

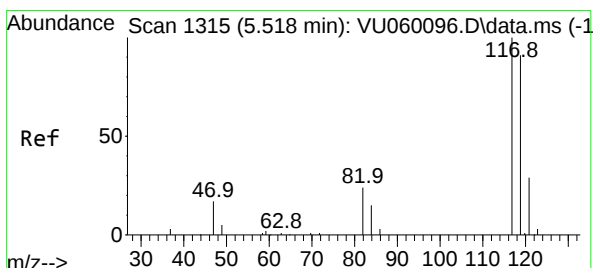
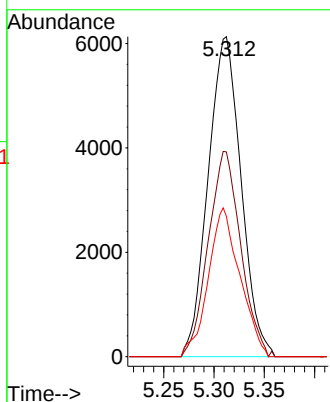
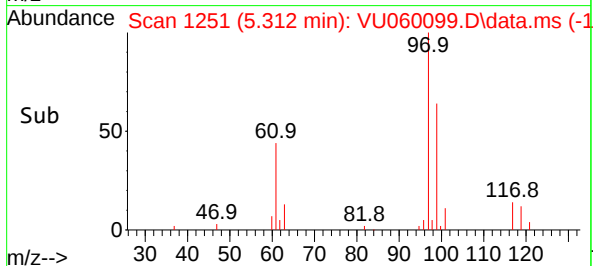
Instrument :
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Tgt Ion: 97 Resp: 13974
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.4
61 44.6 34.1 51.1

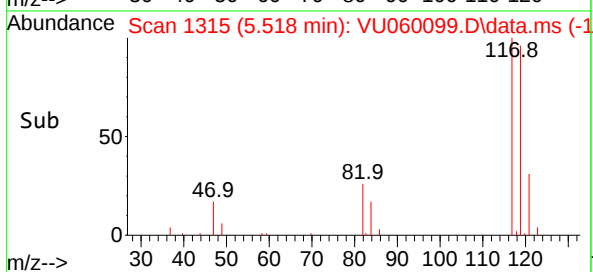
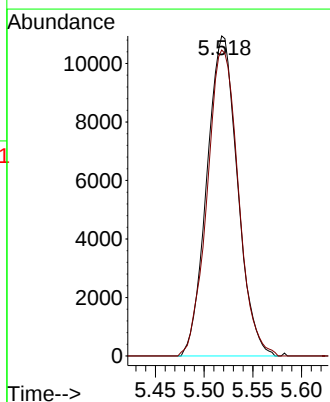
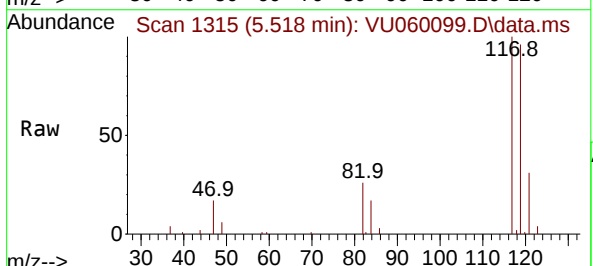
Manual Integrations
APPROVED

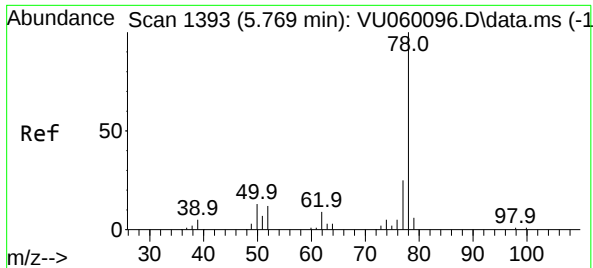
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#31
Carbon tetrachloride
Concen: 1.748 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Tgt Ion:117 Resp: 23936
Ion Ratio Lower Upper
117 100
119 97.3 75.6 113.4





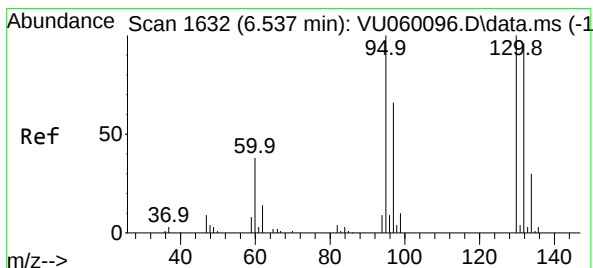
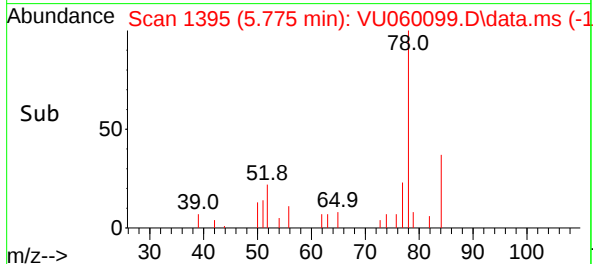
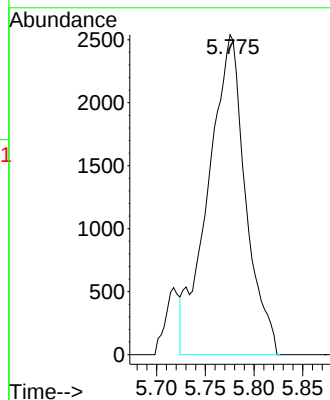
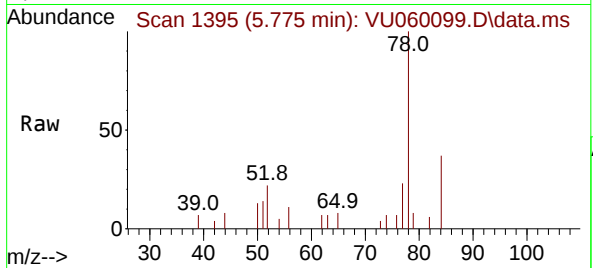
#33
Benzene
Concen: 0.161 ug/L
RT: 5.775 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Instrument :
MSVOA_U
ClientSampleId :
C0B29

Tgt Ion: 78 Resp: 676

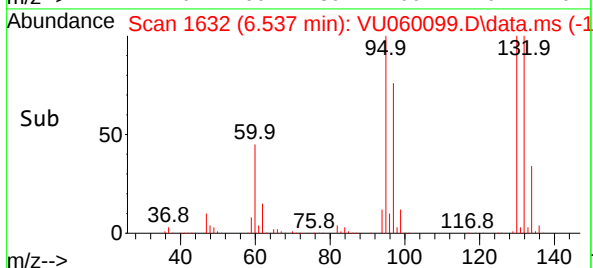
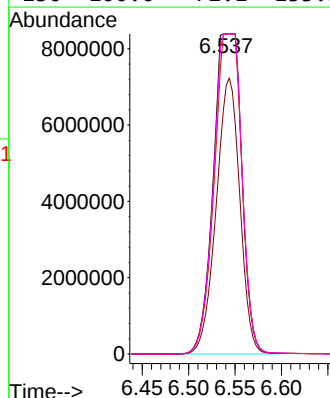
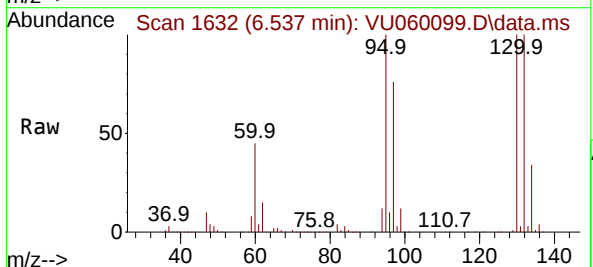
Manual Integrations
APPROVED

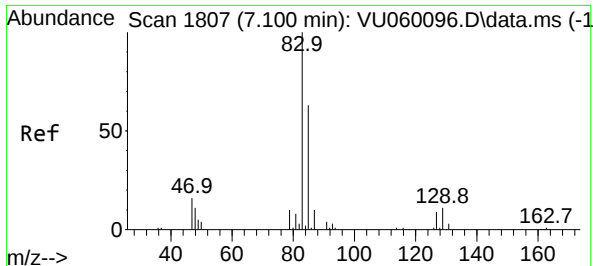
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#34
Trichloroethene
Concen: 1608.290 ug/L m
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Tgt Ion: 95 Resp:17906005
Ion Ratio Lower Upper
95 100
97 76.3 45.9 85.3
132 100.0 71.4 132.6
130 100.0 72.1 133.9





#38

Bromodichloromethane

Concen: 0.217 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU060099.D

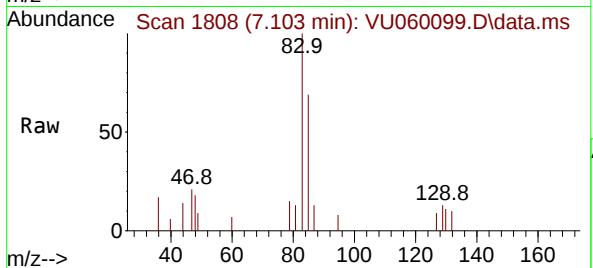
Acq: 22 Jul 2024 17:57

Instrument :

MSVOA_U

ClientSampleId :

C0B29



Tgt Ion: 83 Resp: 3089

Ion Ratio Lower Upper

83 100

85 69.4 43.5 80.7

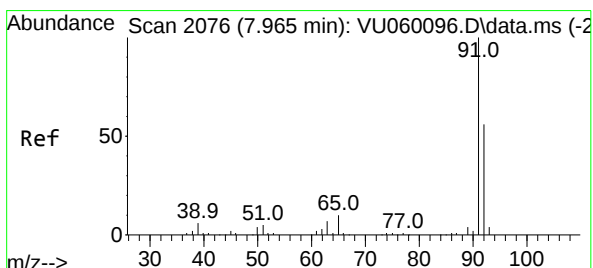
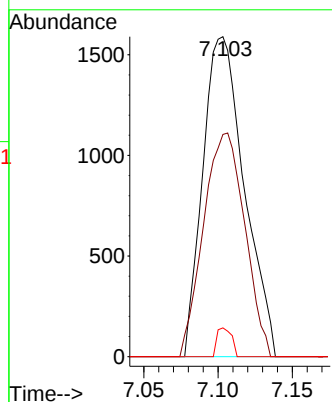
127 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#42

Toluene

Concen: 0.916 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU060099.D

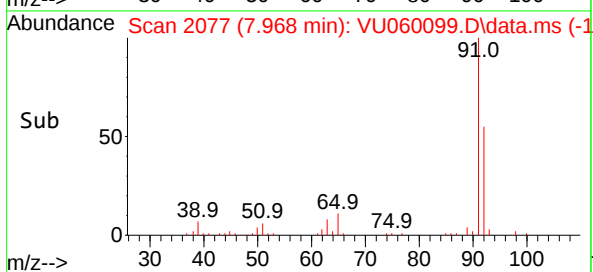
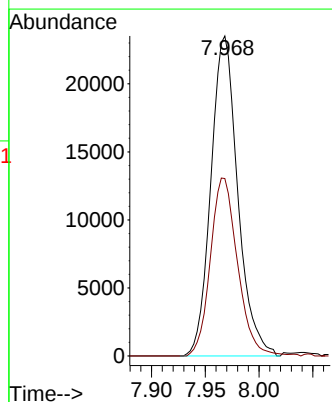
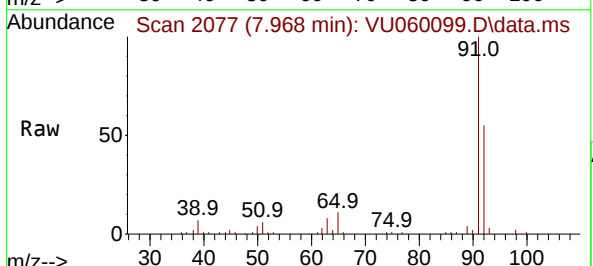
Acq: 22 Jul 2024 17:57

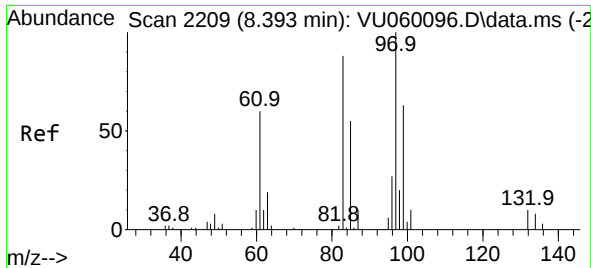
Tgt Ion: 91 Resp: 40911

Ion Ratio Lower Upper

91 100

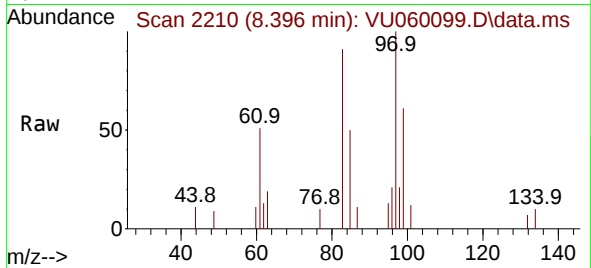
92 55.4 39.8 73.8





#45
1,1,2-Trichloroethane
Concen: 0.471 ug/L
RT: 8.396 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

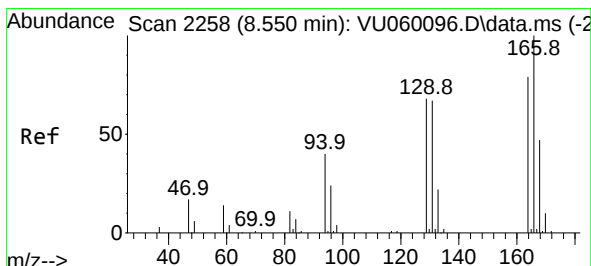
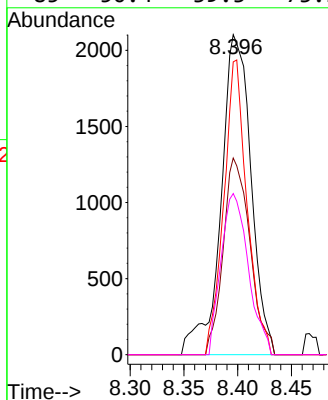
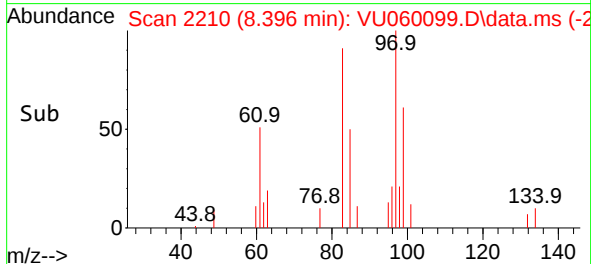
Instrument :
MSVOA_U
ClientSampleId :
C0B29



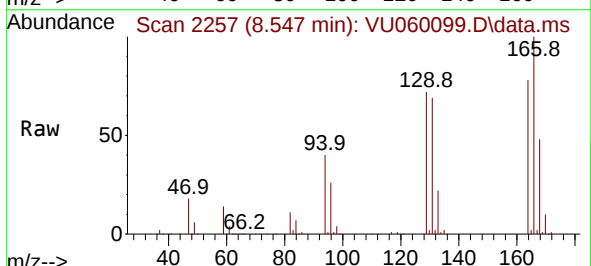
Tgt Ion: 97 Resp: 408
Ion Ratio Lower Upper
97 100
99 61.4 43.8 81.4
83 91.5 62.1 115.3
85 50.4 39.3 73.1

Manual Integrations
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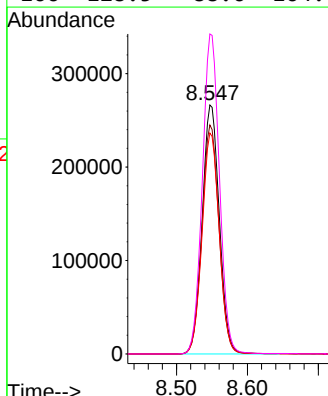
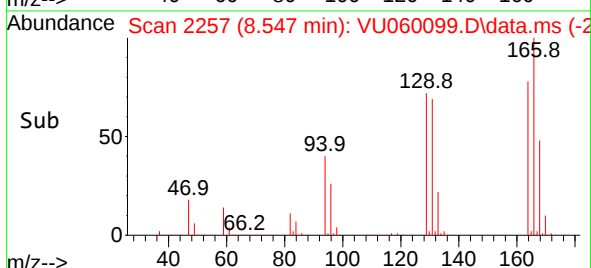
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

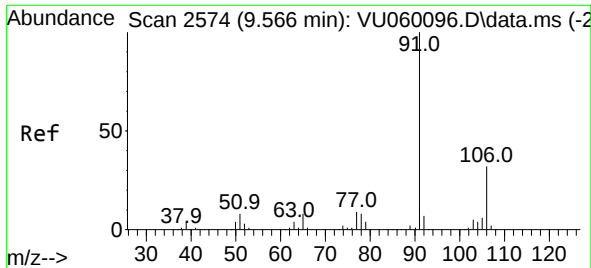


#47
Tetrachloroethene
Concen: 48.660 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57



Tgt Ion:164 Resp: 447946
Ion Ratio Lower Upper
164 100
129 92.0 64.6 120.0
131 88.7 61.2 113.8
166 128.5 88.6 164.6





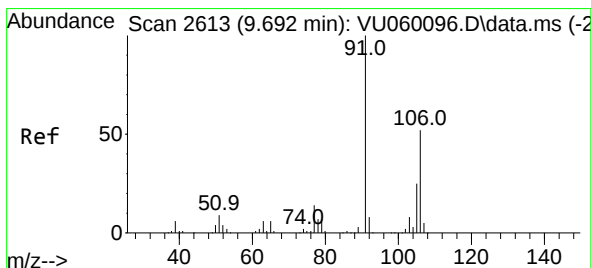
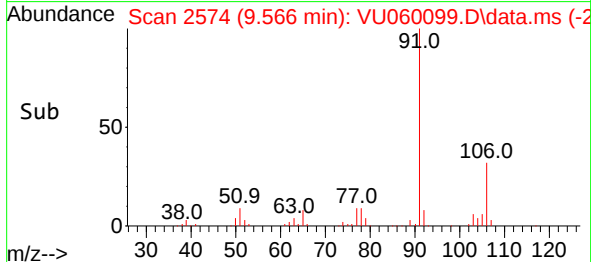
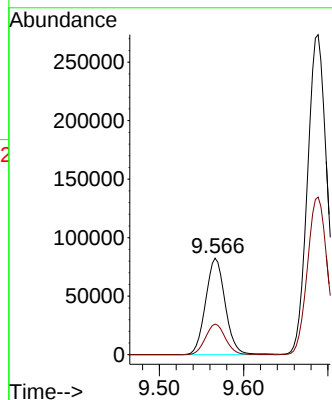
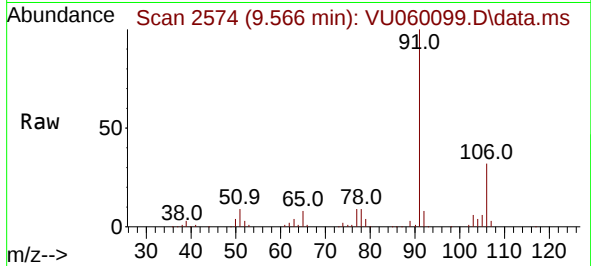
#52
Ethylbenzene
Concen: 3.006 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Instrument :
MSVOA_U
ClientSampleId :
C0B29

Tgt Ion: 91 Resp: 133928
Ion Ratio Lower Upper
91 100
106 31.7 21.9 40.7

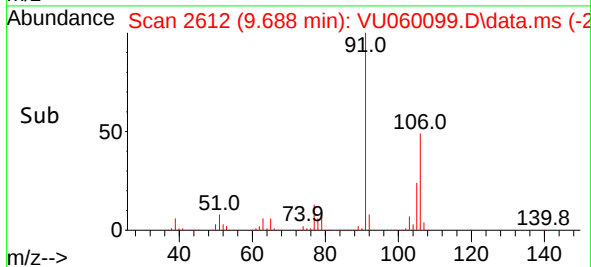
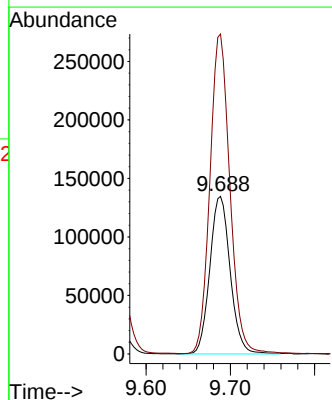
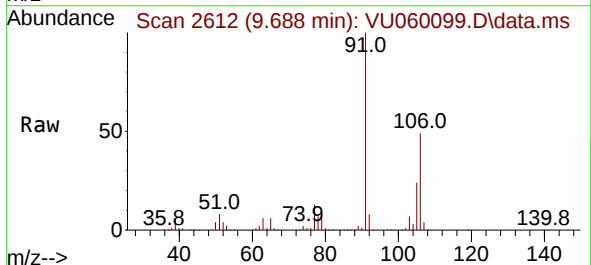
Manual Integrations
APPROVED

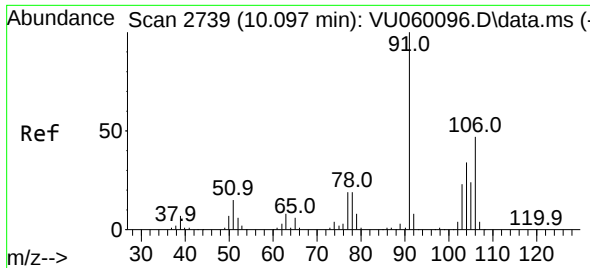
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#53
m,p-Xylene
Concen: 13.130 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Tgt Ion:106 Resp: 225985
Ion Ratio Lower Upper
106 100
91 203.0 141.3 262.5





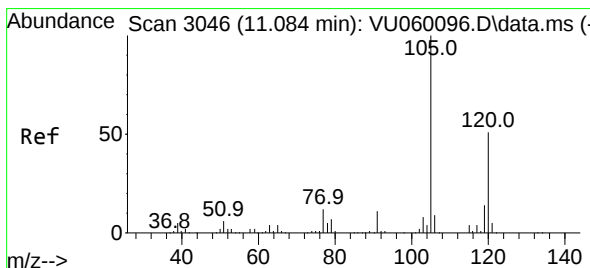
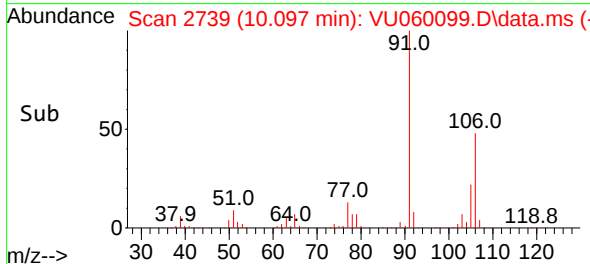
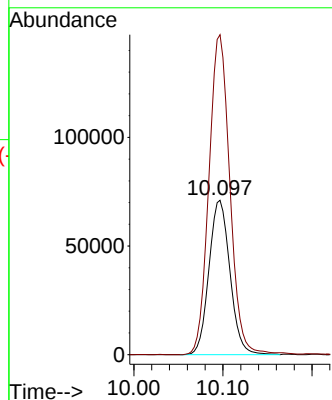
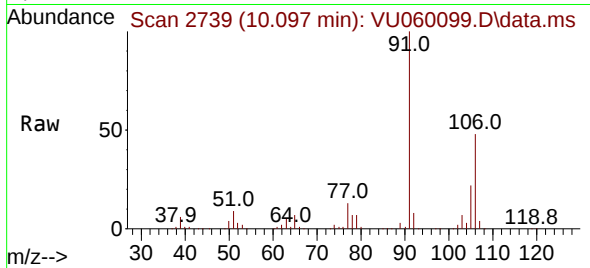
#54
o-Xylene
Concen: 7.069 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

Instrument :
MSVOA_U
ClientSampleId :
C0B29

Tgt Ion:106 Resp: 116348
Ion Ratio Lower Upper
106 100
91 207.3 143.6 266.6

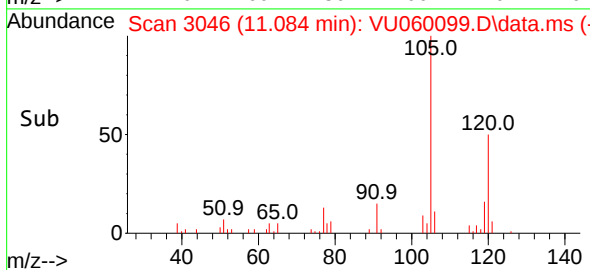
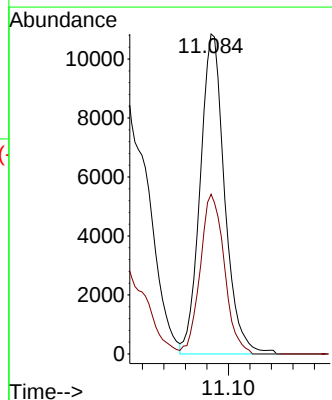
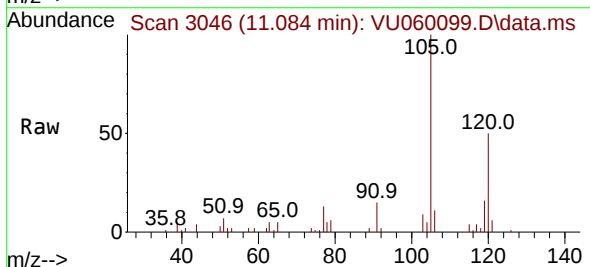
Manual Integrations
APPROVED

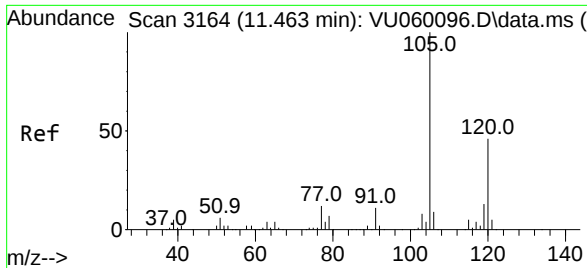
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.522 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

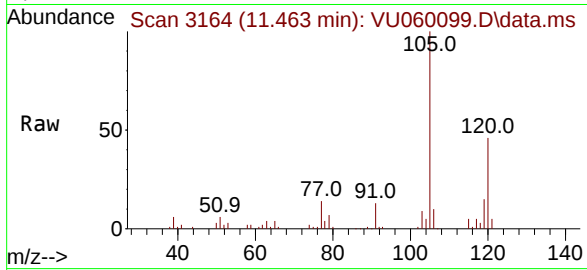
Tgt Ion:105 Resp: 17083
Ion Ratio Lower Upper
105 100
120 49.4 39.4 59.2





#63
1,2,4-Trimethylbenzene
Concen: 1.697 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57

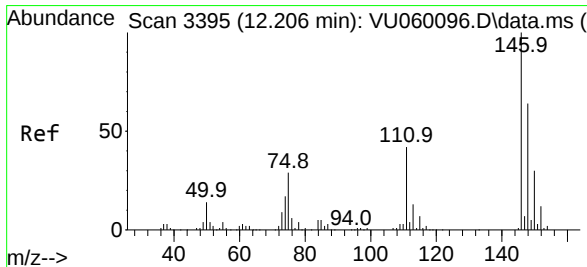
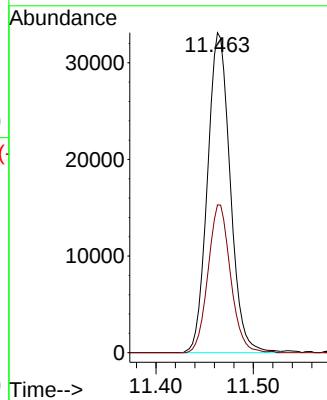
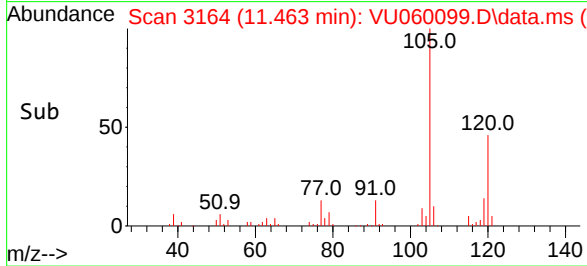
Instrument :
MSVOA_U
ClientSampleId :
C0B29



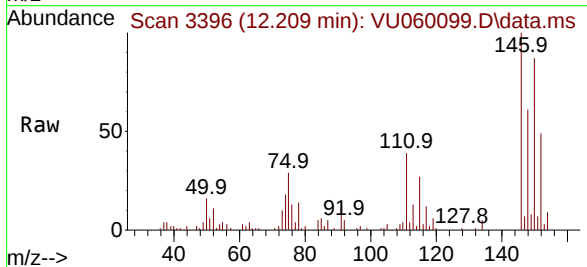
Tgt Ion:105 Resp: 5368
Ion Ratio Lower Upper
105 100
120 45.8 36.7 55.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#67
1,2-Dichlorobenzene
Concen: 1.067 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU060099.D
Acq: 22 Jul 2024 17:57



Tgt Ion:146 Resp: 23545
Ion Ratio Lower Upper
146 100
111 38.7 30.9 46.3
148 61.1 49.8 74.8

