

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
 Data File : VU063529.D
 Acq On : 17 Jul 2025 17:20
 Operator : MD/SY
 Sample : Q2552-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-RVOA-WS

Quant Time: Jul 18 05:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 18 05:14:02 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

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

Internal Standards						
1) Fluorobenzene	6.097	96	21368m	1.000	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	8119	1.004	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7549	1.009	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.599	62	169988	22.788	ug/l	99
9) 1,1-Dichloroethene	2.567	96	47673	8.594	ug/l	96
15) Methylene Chloride	3.030	84	87096	13.335	ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	116242	18.450	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	34837	5.096	ug/l	90
28) 1,1,1-Trichloroethane	5.293	97	180945	17.891	ug/l	98
30) Carbon Tetrachloride	5.496	117	18569	2.281	ug/l	93
35) Benzene	5.750	78	377988	15.016	ug/l	99
36) 1,2-Dichloroethane	5.779	62	103598	13.245	ug/l	99
37) Trichloroethene	6.525	130	76177	11.861	ug/l	97
38) 1,2-Dichloropropane	6.779	63	85102	14.445	ug/l	99
49) Toluene	7.959	92	31066	2.260	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	58960	14.349	ug/l	99
58) Tetrachloroethene	8.541	164	77148	13.124	ug/l	98
59) Chlorobenzene	9.438	112	280950	17.797	ug/l	100
63) Ethyl Benzene	9.560	91	445992	16.418	ug/l	99
64) m/p-Xylenes	9.685	106	141952	13.444	ug/l	98
65) o-Xylene	10.090	106	133669	13.175	ug/l	97
83) 1,4-Dichlorobenzene	11.830	146	77219	6.091	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	66816	5.615	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	125271	16.930	ug/l	100

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

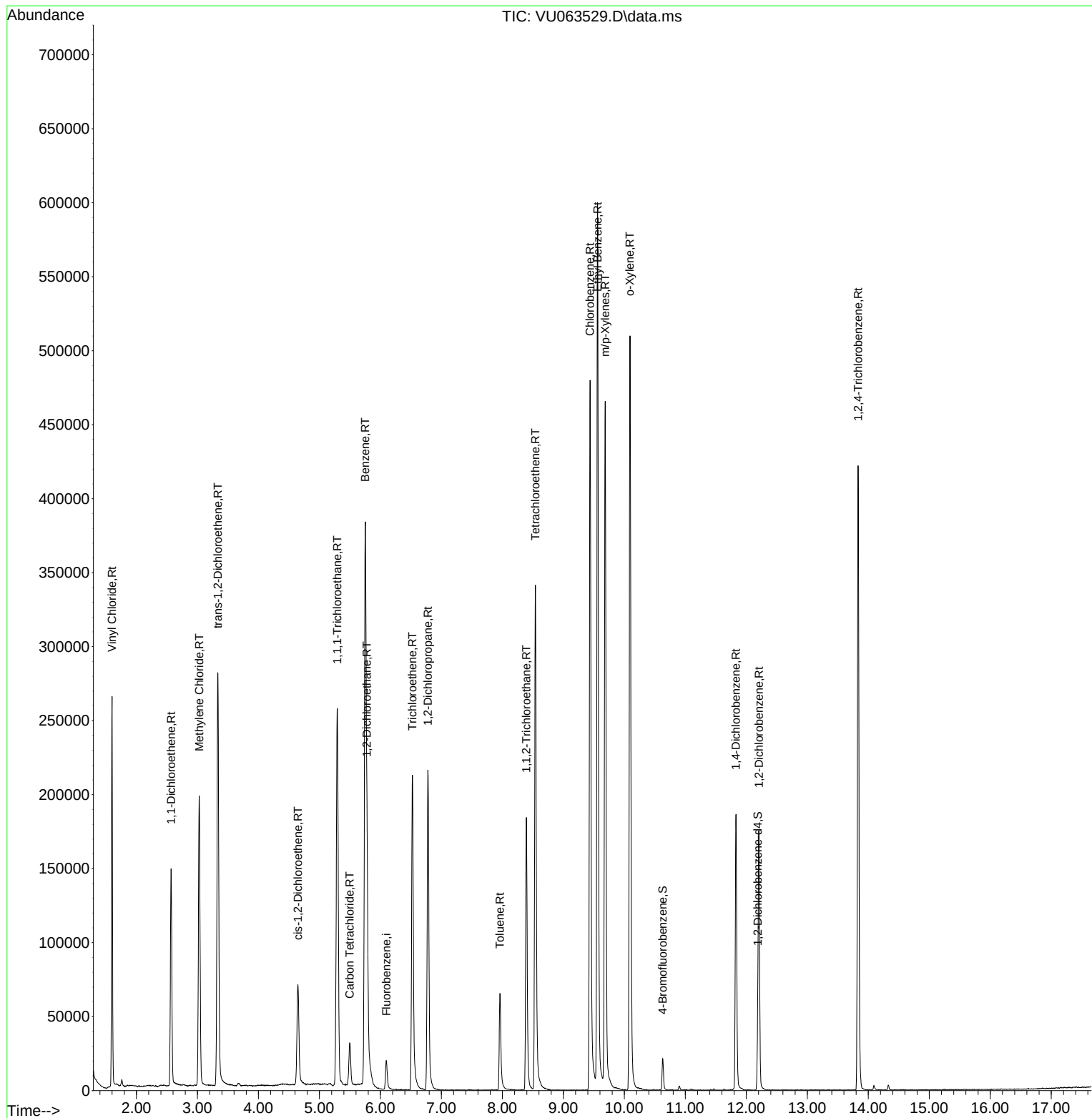
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Data File : VU063529.D
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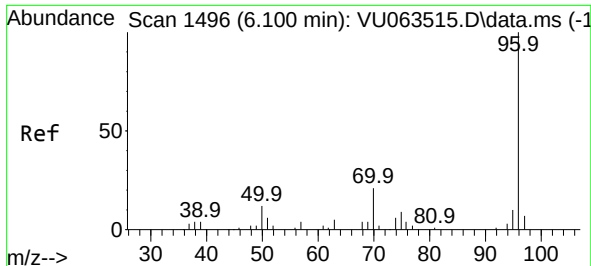
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS

Quant Time: Jul 18 05:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
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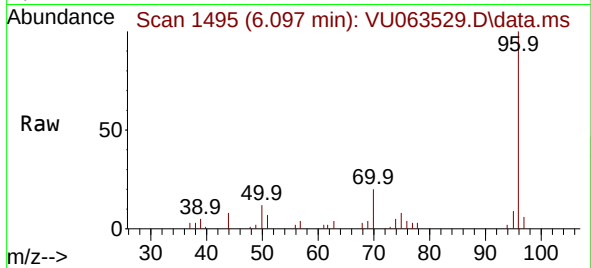
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025





#1
Fluorobenzene
Concen: 1.000 ug/l m
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

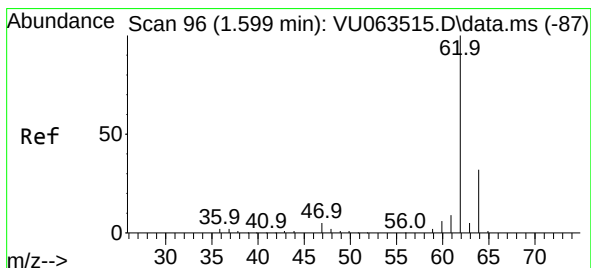
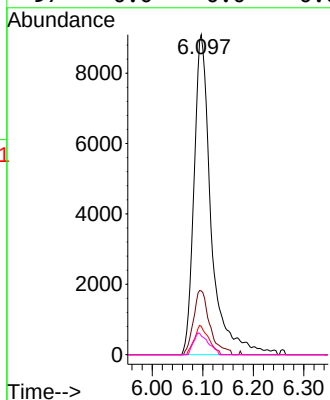
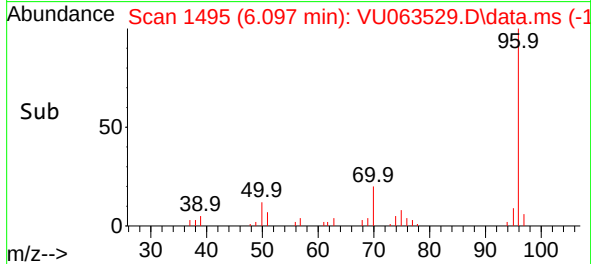
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS



Tgt Ion: 96 Resp: 21368
Ion Ratio Lower Upper
96 100
70 19.1 15.0 22.4
95 7.6 7.4 11.0
97 0.0 0.0 0.0

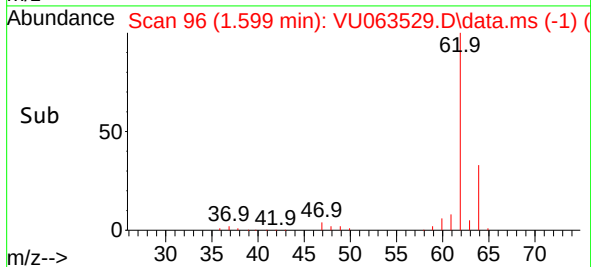
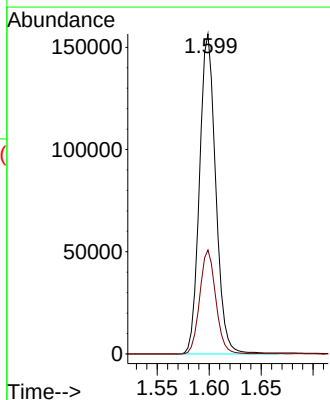
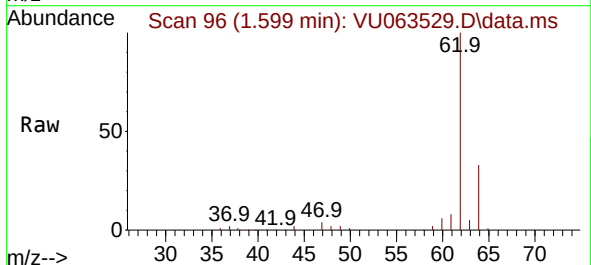
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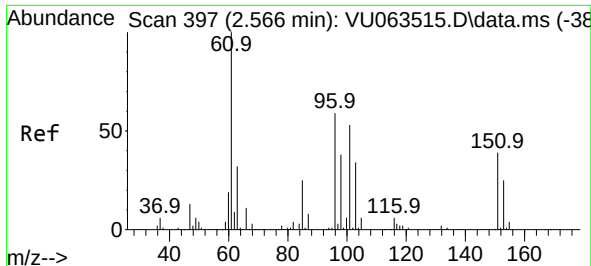
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#4
Vinyl Chloride
Concen: 22.788 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

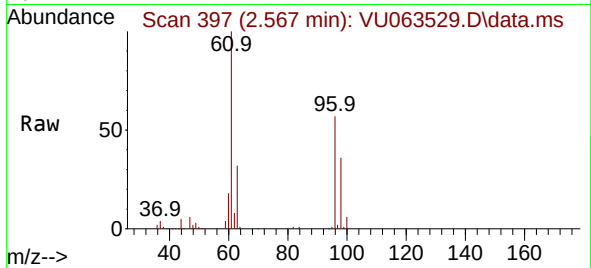
Tgt Ion: 62 Resp: 169988
Ion Ratio Lower Upper
62 100
64 32.5 25.7 38.5





#9
1,1-Dichloroethene
Concen: 8.594 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

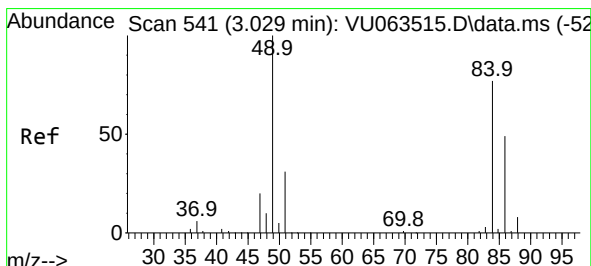
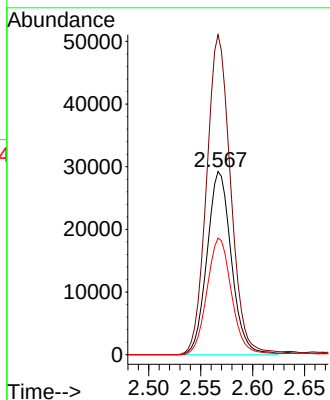
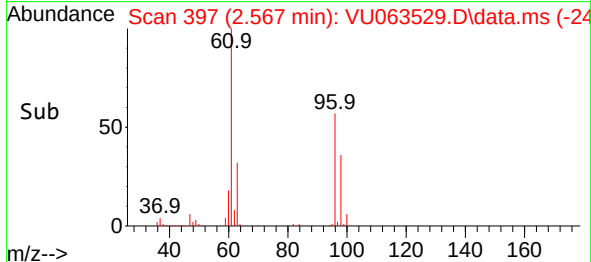
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS



Tgt Ion: 96 Resp: 4767
Ion Ratio Lower Upper
96 100
61 174.7 0.0 504.3
98 63.6 0.0 126.8

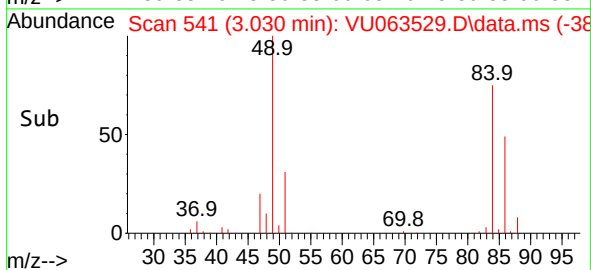
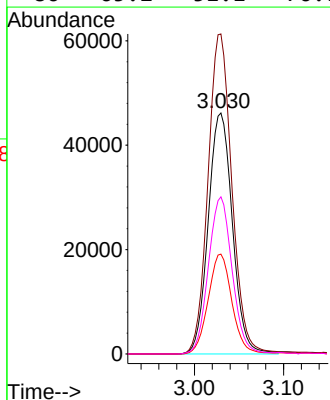
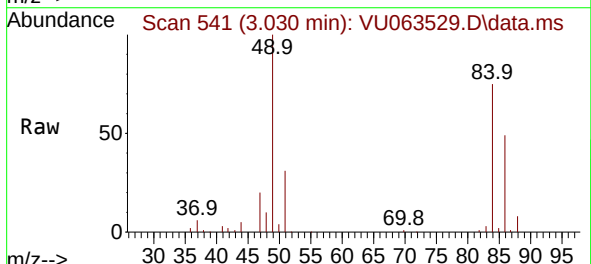
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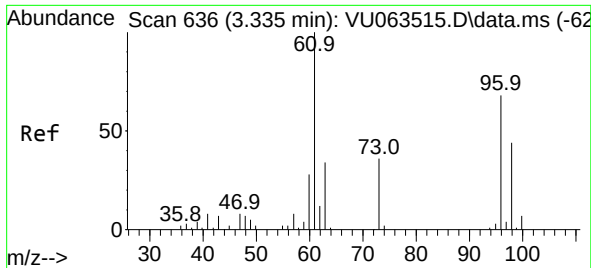
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#15
Methylene Chloride
Concen: 13.335 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

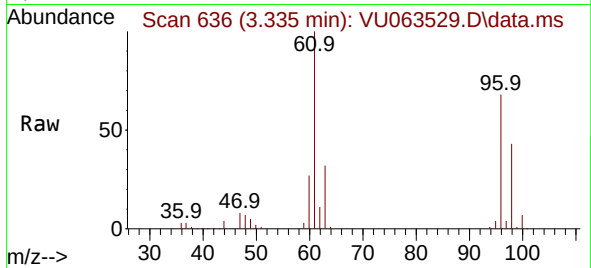
Tgt Ion: 84 Resp: 87096
Ion Ratio Lower Upper
84 100
49 132.8 103.8 155.8
51 41.5 0.0 80.4
86 65.2 51.1 76.7





#16
trans-1,2-Dichloroethene
Concen: 18.450 ug/l
RT: 3.335 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

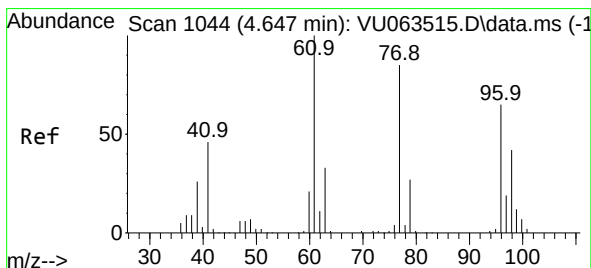
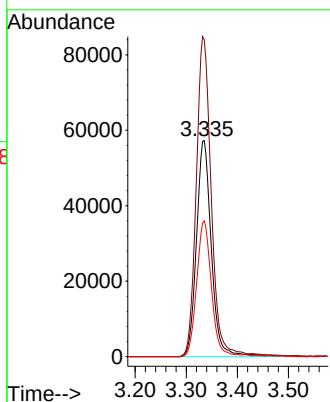
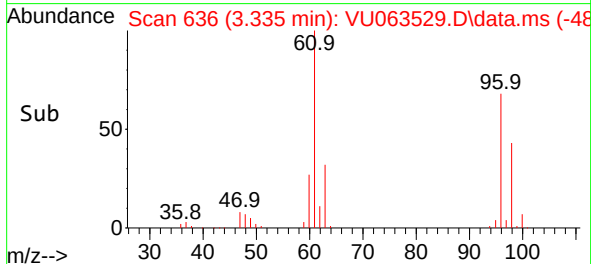
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS



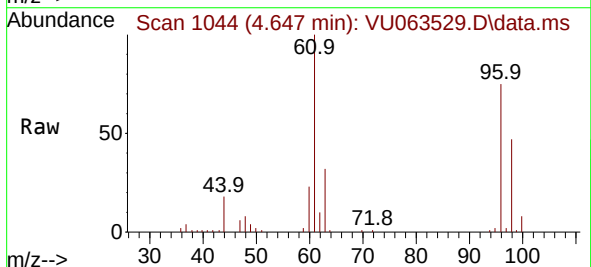
Tgt Ion: 96 Resp: 11624
Ion Ratio Lower Upper
96 100
61 146.6 117.2 175.8
98 62.9 51.4 77.2

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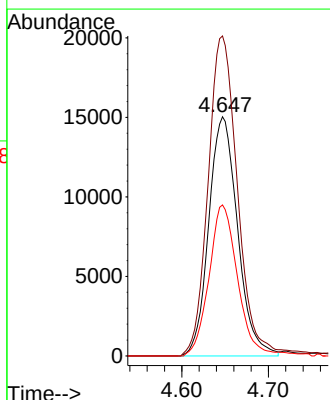
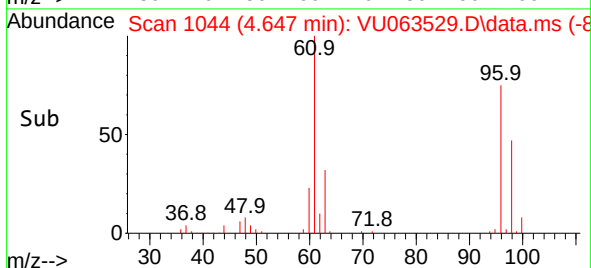
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

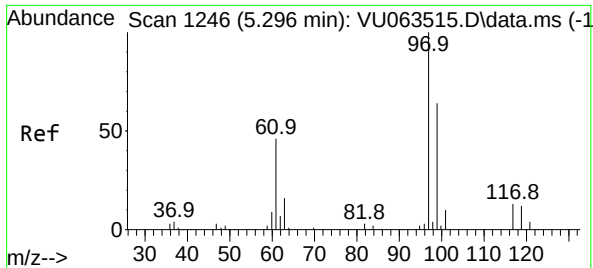


#22
cis-1,2-Dichloroethene
Concen: 5.096 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20



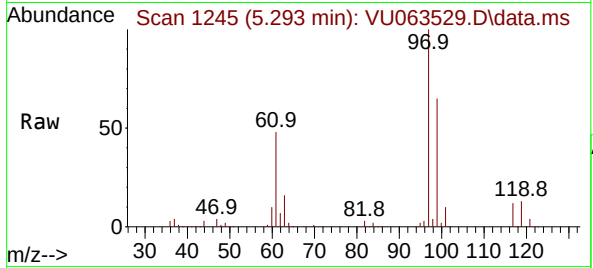
Tgt Ion: 96 Resp: 34837
Ion Ratio Lower Upper
96 100
61 137.5 0.0 384.7
98 62.8 32.1 96.3





#28
 1,1,1-Trichloroethane
 Concen: 17.891 ug/l
 RT: 5.293 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU063529.D
 Acq: 17 Jul 2025 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-RVOA-WS

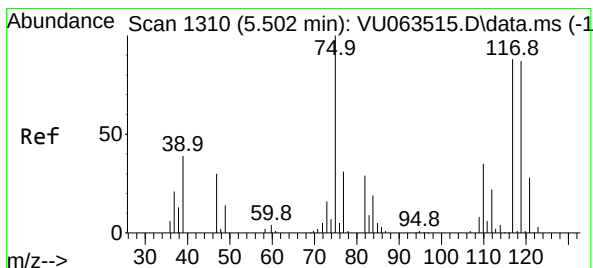
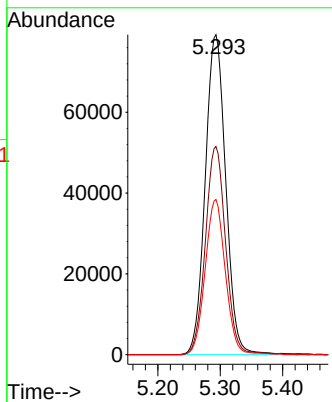
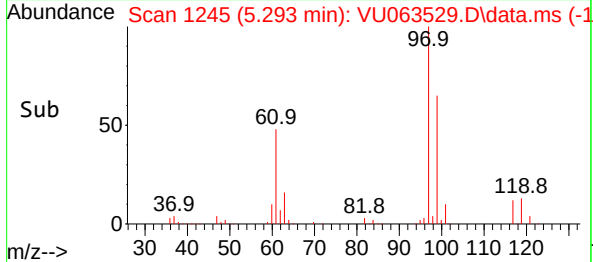


Tgt Ion: 97 Resp: 18094

Ion	Ratio	Lower	Upper
97	100		
99	64.7	31.8	95.3
61	47.9	23.3	69.9

Manual Integrations
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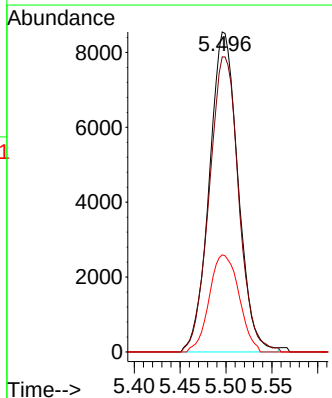
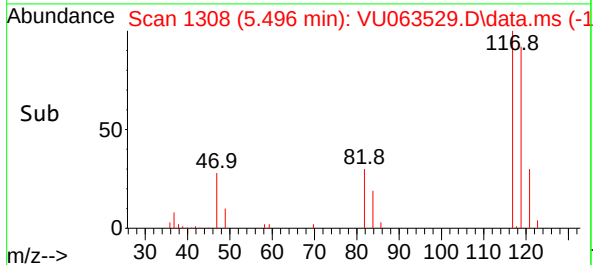
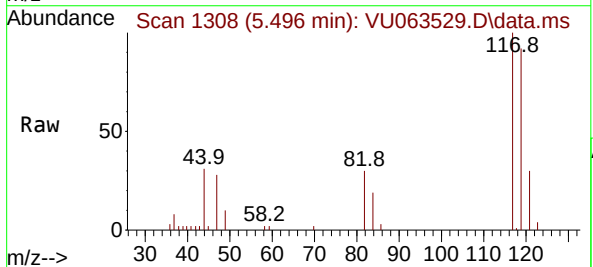
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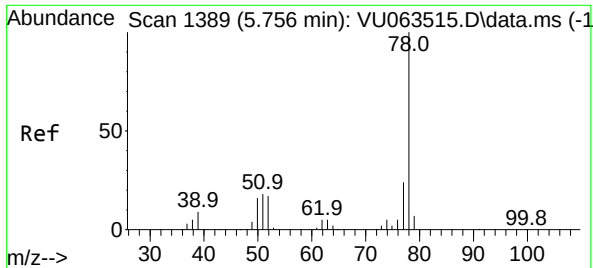


#30
 Carbon Tetrachloride
 Concen: 2.281 ug/l
 RT: 5.496 min Scan# 1308
 Delta R.T. -0.006 min
 Lab File: VU063529.D
 Acq: 17 Jul 2025 17:20

Tgt Ion:117 Resp: 18569

Ion	Ratio	Lower	Upper
117	100		
119	91.0	79.2	118.8
121	30.0	25.5	38.3





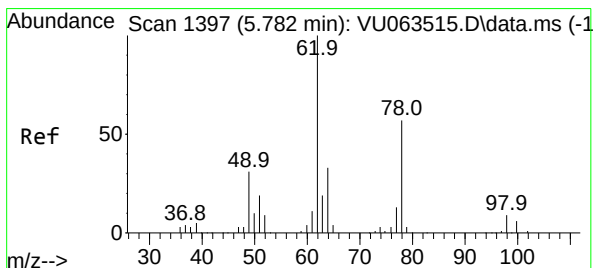
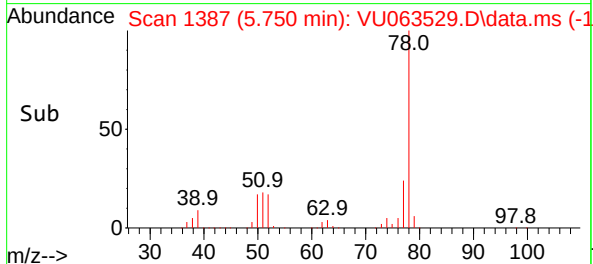
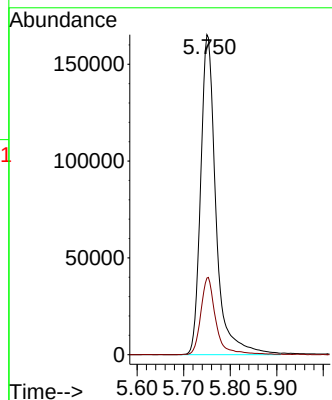
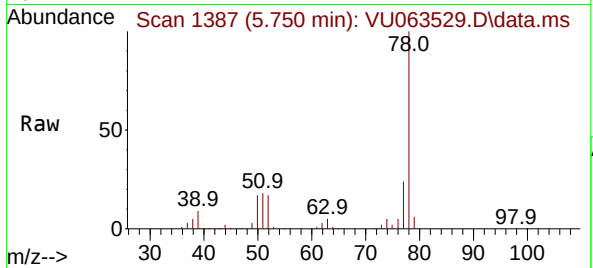
#35
Benzene
Concen: 15.016 ug/l
RT: 5.750 min Scan# 1389
Delta R.T. -0.006 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS

Tgt Ion: 78 Resp: 37798
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2

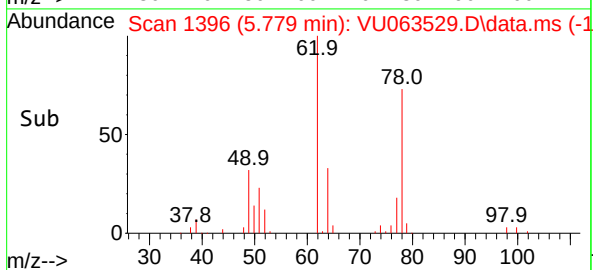
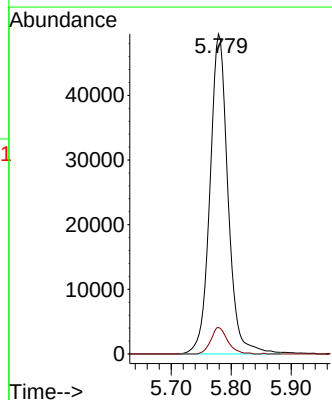
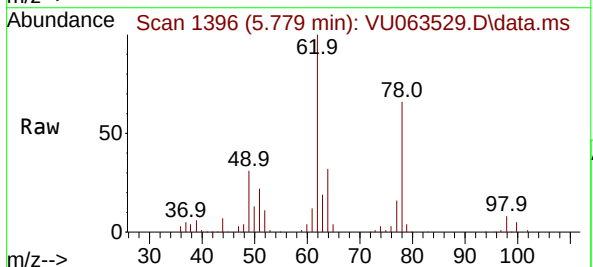
Manual Integrations
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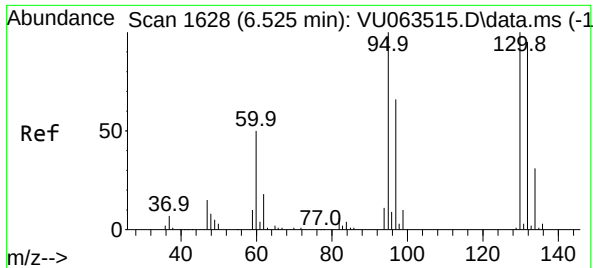
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#36
1,2-Dichloroethane
Concen: 13.245 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

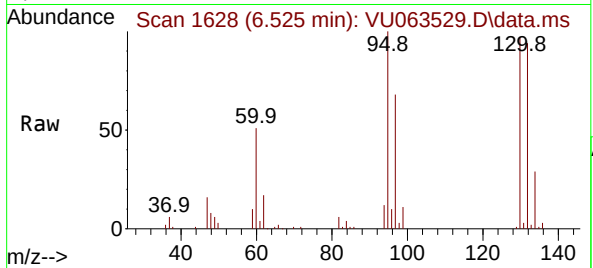
Tgt Ion: 62 Resp: 103598
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6





#37
Trichloroethene
Concen: 11.861 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

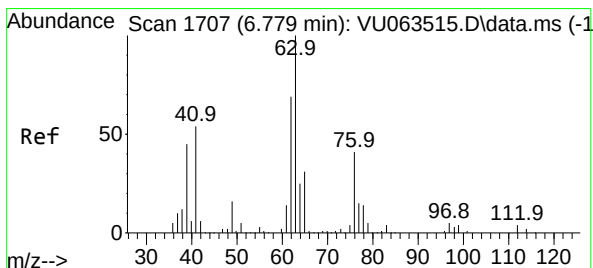
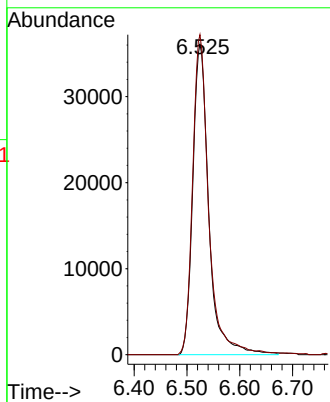
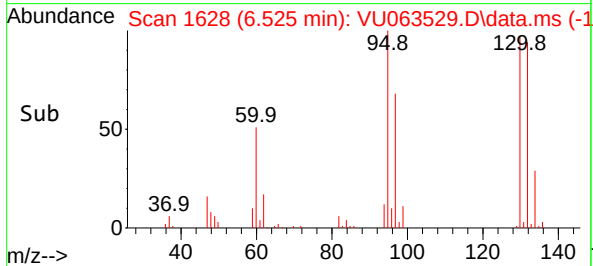
Instrument :
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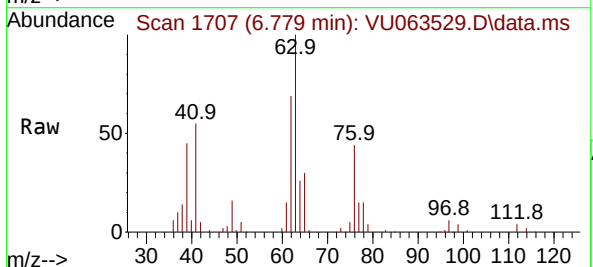
Tgt Ion:130 Resp: 7617
Ion Ratio Lower Upper
130 100
95 103.0 80.3 120.5

Manual Integrations
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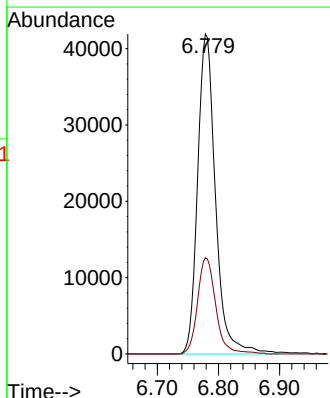
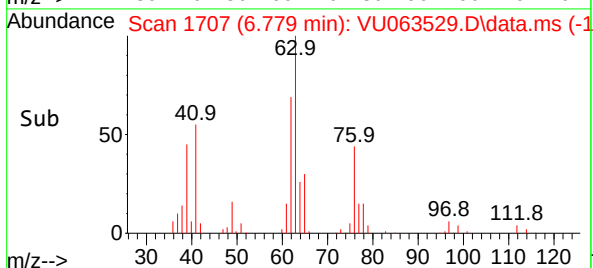
Reviewed By :Mahesh Dadoda 07/18/2025
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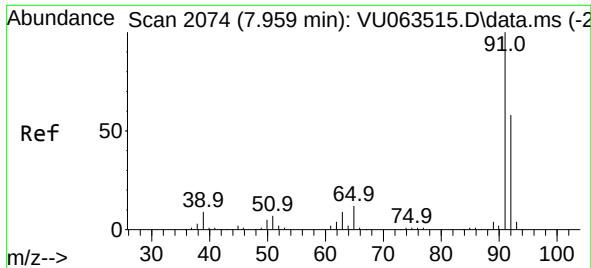


#38
1,2-Dichloropropane
Concen: 14.445 ug/l
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20



Tgt Ion: 63 Resp: 85102
Ion Ratio Lower Upper
63 100
65 30.1 24.6 36.8





#49

Toluene

Concen: 2.260 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063529.D

Acq: 17 Jul 2025 17:20

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-RVOA-WS

Tgt Ion: 92 Resp: 31060

Ion Ratio Lower Upper

92 100

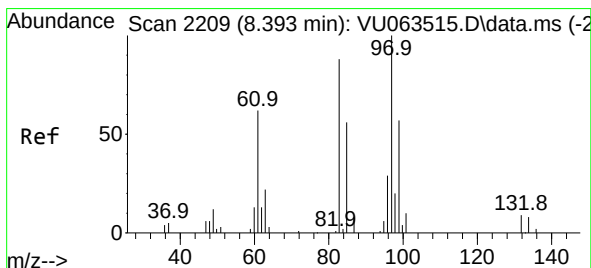
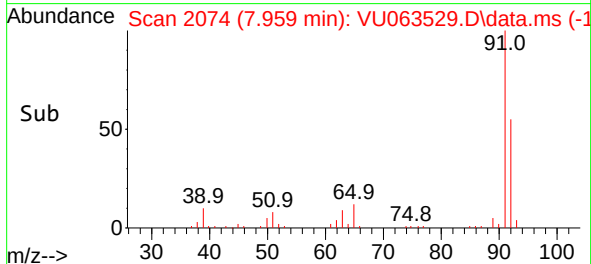
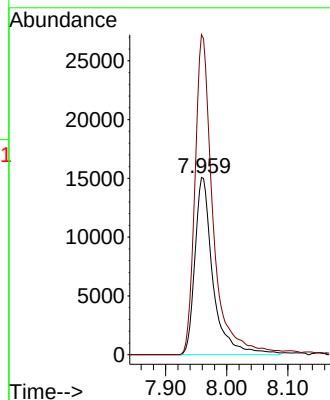
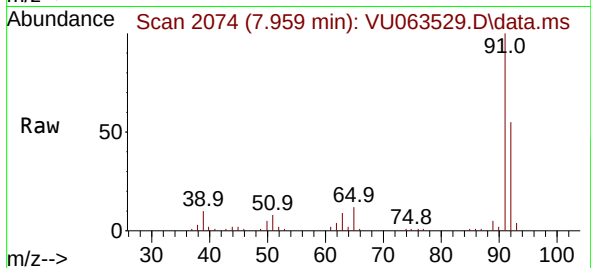
91 179.5 140.4 210.6

Manual Integrations

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#52

1,1,2-Trichloroethane

Concen: 14.349 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063529.D

Acq: 17 Jul 2025 17:20

Tgt Ion: 97 Resp: 58960

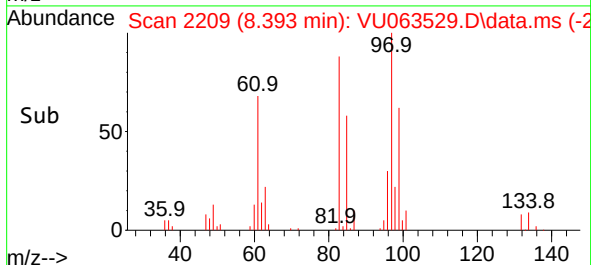
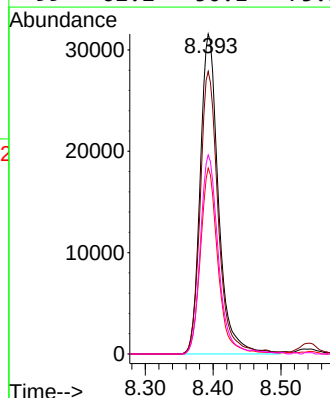
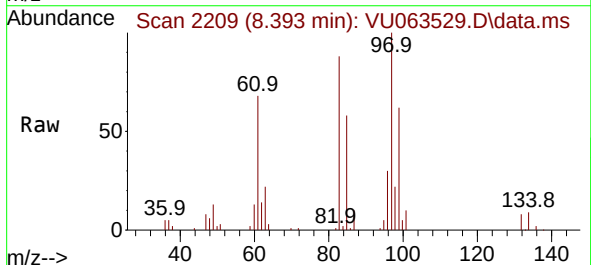
Ion Ratio Lower Upper

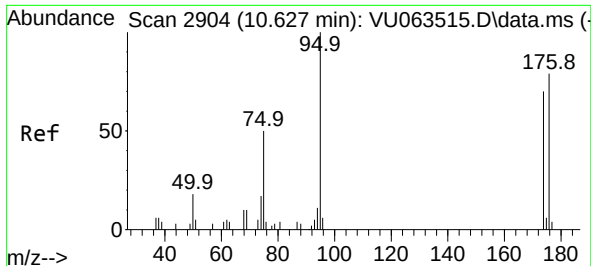
97 100

83 88.3 70.2 105.2

85 58.1 45.2 67.8

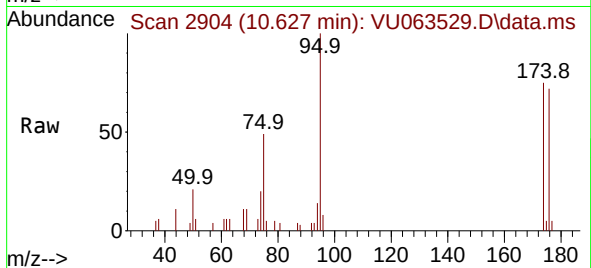
99 62.2 50.1 75.1





#57
4-Bromofluorobenzene
Concen: 1.004 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

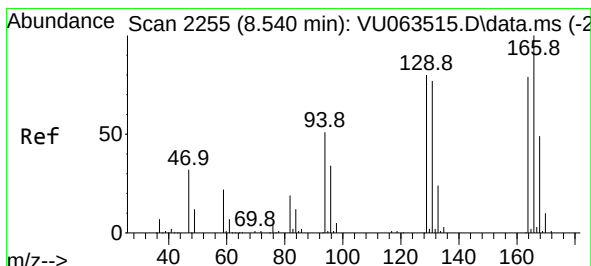
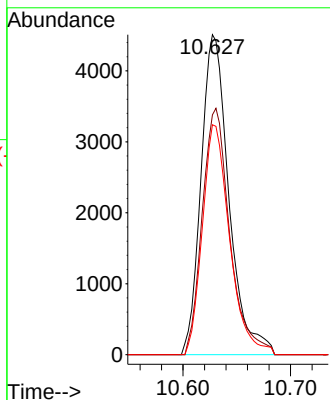
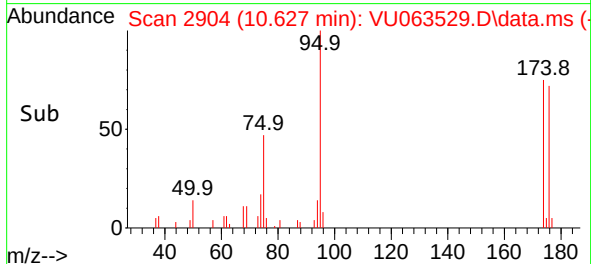
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS



Tgt Ion: 95 Resp: 8119
Ion Ratio Lower Upper
95 100
174 76.2 59.8 89.8
176 70.3 61.8 92.8

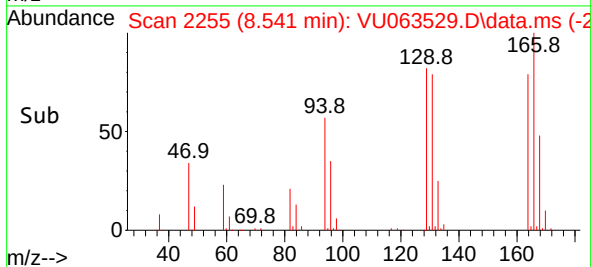
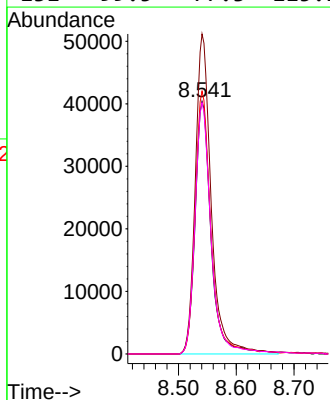
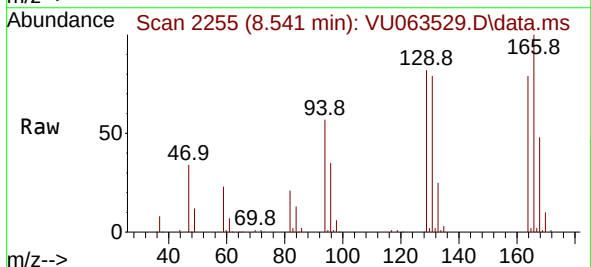
Manual Integrations
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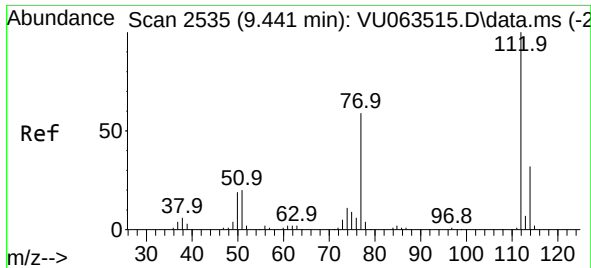
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#58
Tetrachloroethene
Concen: 13.124 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:164 Resp: 77148
Ion Ratio Lower Upper
164 100
166 126.7 100.7 151.1
129 104.0 80.6 120.8
131 99.5 77.3 115.9





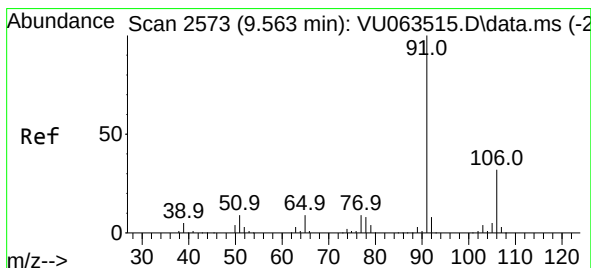
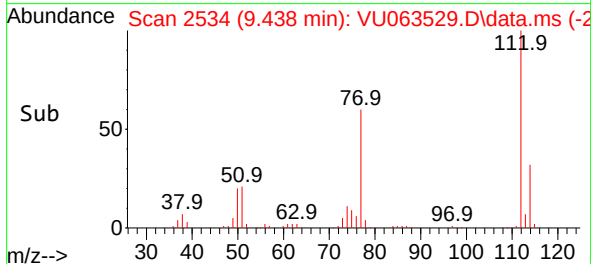
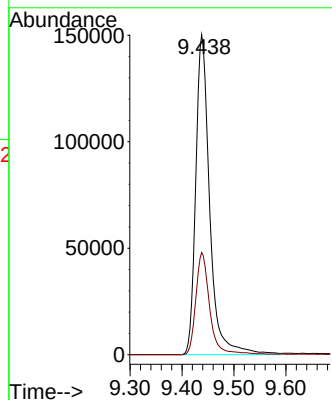
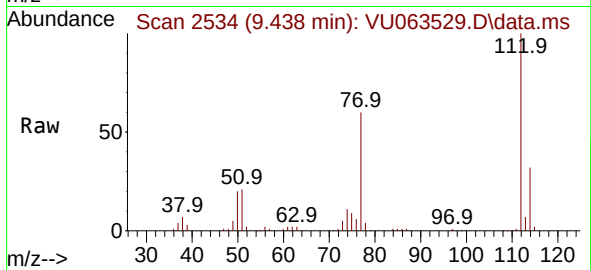
#59
Chlorobenzene
Concen: 17.797 ug/l
RT: 9.438 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS

Tgt Ion:112 Resp: 280950
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

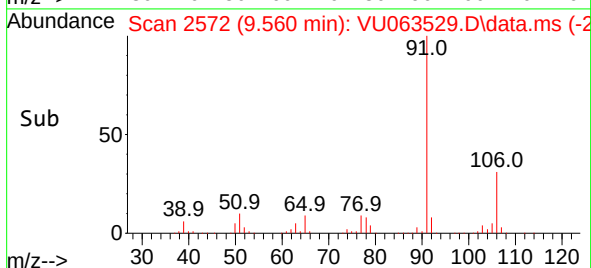
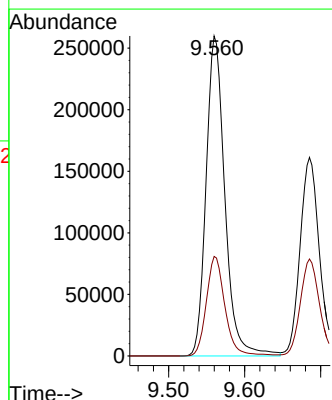
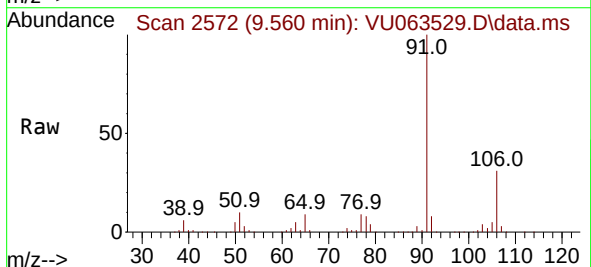
Manual Integrations
APPROVED

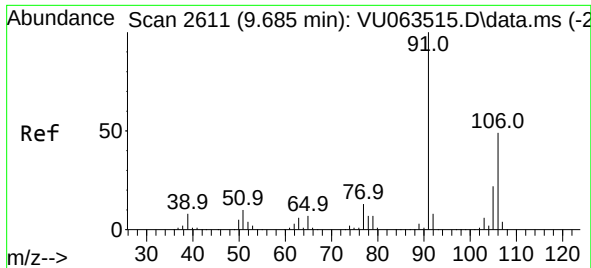
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#63
Ethyl Benzene
Concen: 16.418 ug/l
RT: 9.560 min Scan# 2572
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 91 Resp: 445992
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0





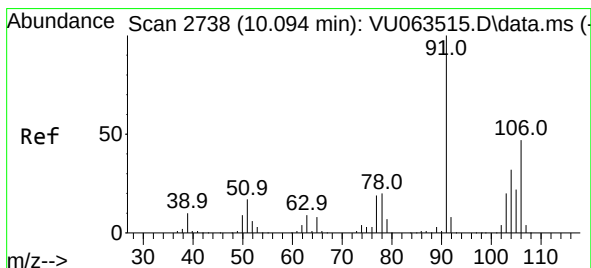
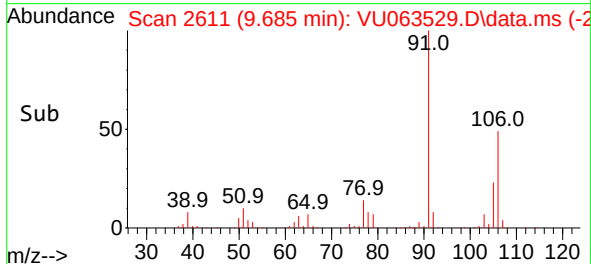
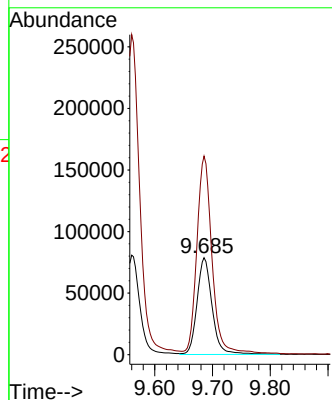
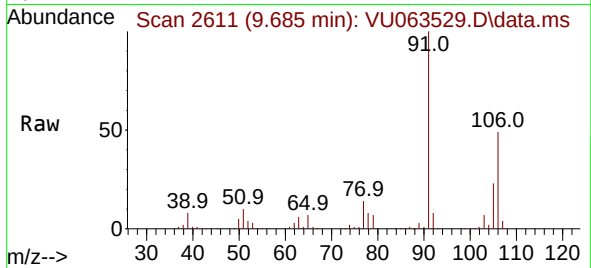
#64
m/p-Xylenes
Concen: 13.444 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-RVOA-WS

Tgt Ion:106 Resp: 141952
Ion Ratio Lower Upper
106 100
91 207.5 163.6 245.4

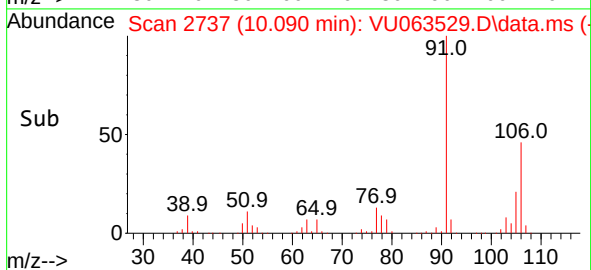
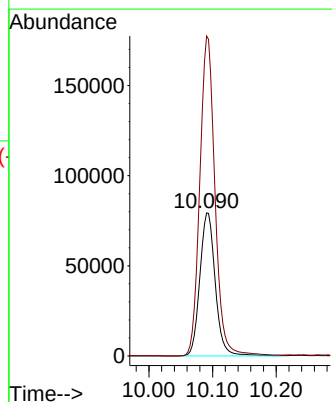
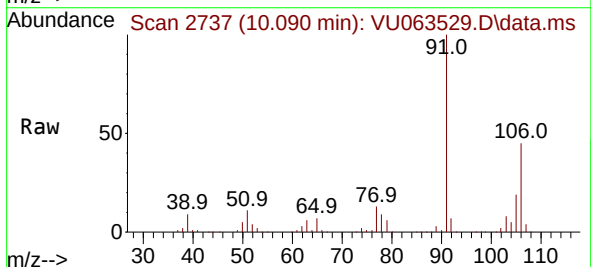
Manual Integrations
APPROVED

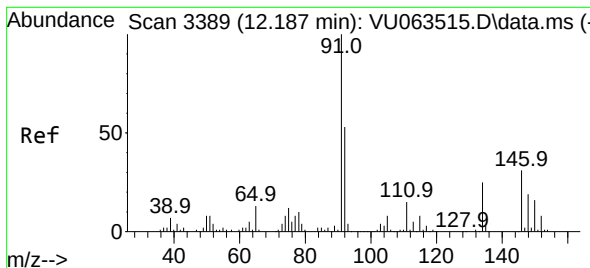
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#65
o-Xylene
Concen: 13.175 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:106 Resp: 133669
Ion Ratio Lower Upper
106 100
91 220.7 108.1 324.4





#68

1,2-Dichlorobenzene-d4

Concen: 1.009 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU063529.D

Acq: 17 Jul 2025 17:20

Instrument :

MSVOA_U

ClientSampleId :

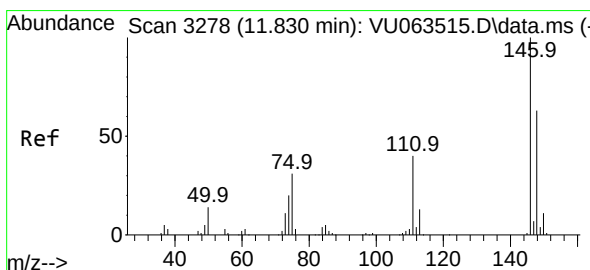
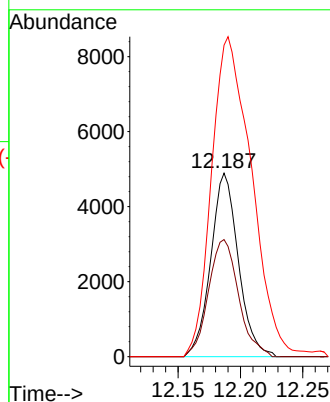
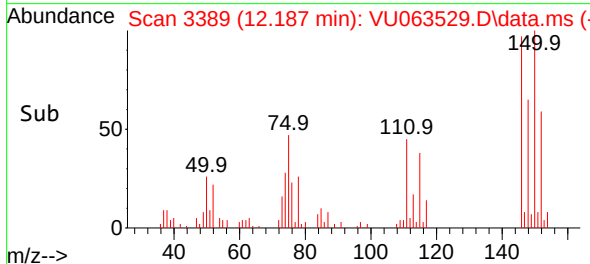
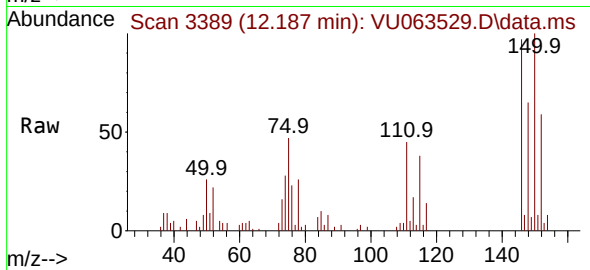
WS0725-PT-RVOA-WS

Tgt Ion:	152	Resp:	7549
Ion Ratio	Lower	Upper	
152	100		
115	69.5	0.0	262.2
150	252.4	0.0	651.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#83

1,4-Dichlorobenzene

Concen: 6.091 ug/l

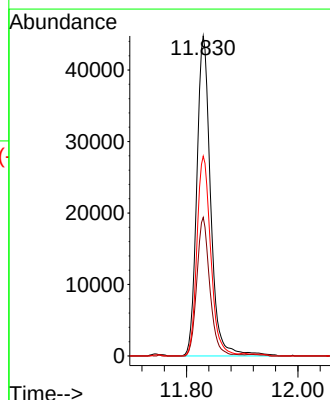
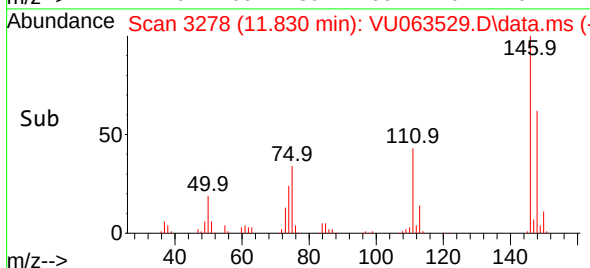
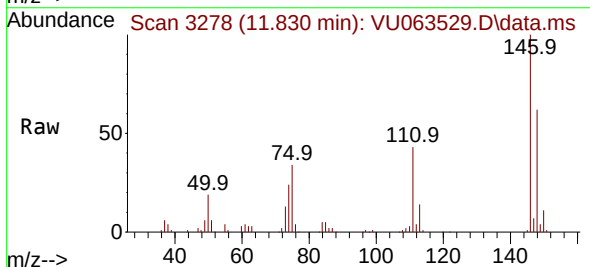
RT: 11.830 min Scan# 3278

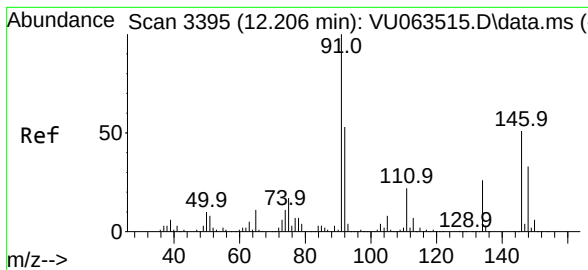
Delta R.T. 0.000 min

Lab File: VU063529.D

Acq: 17 Jul 2025 17:20

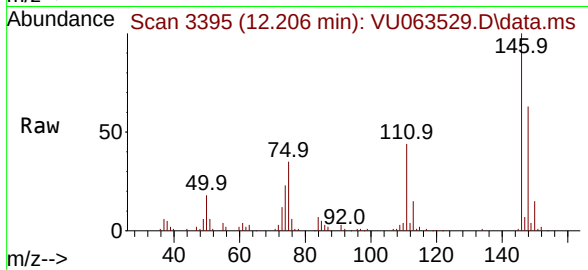
Tgt Ion:	146	Resp:	77219
Ion Ratio	Lower	Upper	
146	100		
111	40.9	32.0	48.0
148	62.3	50.2	75.2





#85
 1,2-Dichlorobenzene
 Concen: 5.615 ug/l
 RT: 12.206 min Scan# 3395
 Delta R.T. 0.000 min
 Lab File: VU063529.D
 Acq: 17 Jul 2025 17:20

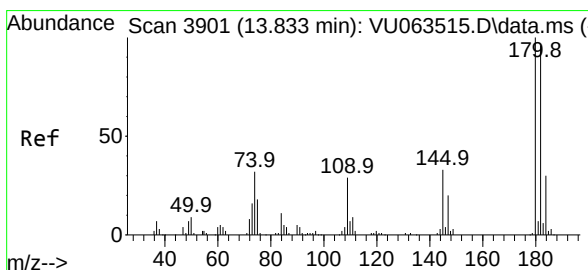
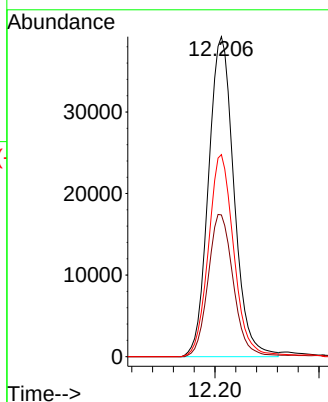
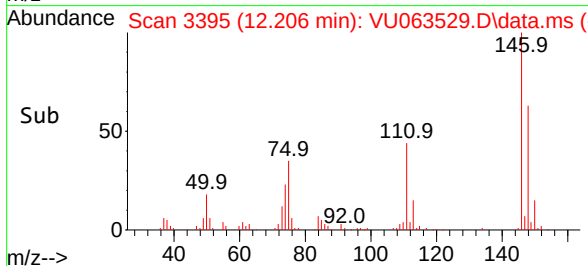
Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-RVOA-WS



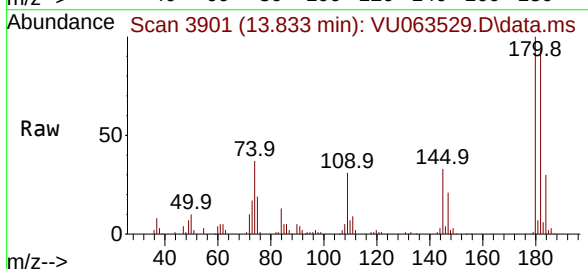
Tgt Ion:146 Resp: 66810
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.7 65.1
 148 63.2 31.8 95.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025



#87
 1,2,4-Trichlorobenzene
 Concen: 16.930 ug/l
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063529.D
 Acq: 17 Jul 2025 17:20



Tgt Ion:180 Resp: 125271
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.4
 145 32.7 26.2 39.2

