

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020623\
 Data File : VU052979.D
 Acq On : 06 Feb 2023 14:41
 Operator : JC/MD
 Sample : 01422-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B69

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

Quant Time: Feb 07 01:06:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	151738	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	152825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68240	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44816	3.362	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	67.200%		
7) Chloroethane-d5	1.912	69	43995	4.051	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	81.000%		
11) 1,1-Dichloroethene-d2	2.562	65	20824	3.547	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	71.000%		
20) 2-Butanone-d5	4.642	46	144202	40.457	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	80.920%		
24) Chloroform-d	5.057	84	107029	4.304	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.000%		
26) 1,2-Dichloroethane-d4	5.697	65	55472	4.344	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	86.800%		
32) Benzene-d6	5.722	84	204980	4.138	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	82.800%		
36) 1,2-Dichloropropane-d6	6.687	67	67827	4.109	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	82.200%		
41) Toluene-d8	7.893	98	172260	3.944	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	78.800%		
43) trans-1,3-Dichloroprop...	8.176	79	23559	3.838	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	76.800%		
46) 2-Hexanone-d5	8.635	63	119446	46.843	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	93.680%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	61382	4.857	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	97.200%		
66) 1,2-Dichlorobenzene-d4	12.188	152	70041	5.638	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	112.800%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	620640	32.767	ug/L	98
12) 1,1-Dichloroethene	2.575	96	13768	1.047	ug/L #	41
15) Methyl Acetate	2.957	43	3387	0.553	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	5635	0.194	ug/L #	88
18) trans-1,2-Dichloroethene	3.349	96	62382	4.650	ug/L	85
21) 2-Butanone	4.726	43	24625	5.984	ug/L	90
22) cis-1,2-Dichloroethene	4.658	96	2696517	187.153	ug/L	91
25) Chloroform	5.083	83	66329	2.422	ug/L	99
34) Trichloroethene	6.536	95	1928563	134.785	ug/L	98
37) 1,2-Dichloropropane	6.787	63	13283	0.818	ug/L	99
38) Bromodichloromethane	7.102	83	33870	1.772	ug/L	100
42) Toluene	7.967	91	518854	8.611	ug/L	100
47) Tetrachloroethene	8.558	164	8647334	820.259	ug/L	98
49) Dibromochloromethane	8.806	129	21741m	1.842	ug/L	
52) Ethylbenzene	9.568	91	9199	0.150	ug/L	98
53) m,p-Xylene	9.687	106	5493	0.236	ug/L	85
54) o-Xylene	10.098	106	3461	0.156	ug/L	92
59) Bromoform	10.291	173	3342	0.630	ug/L #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

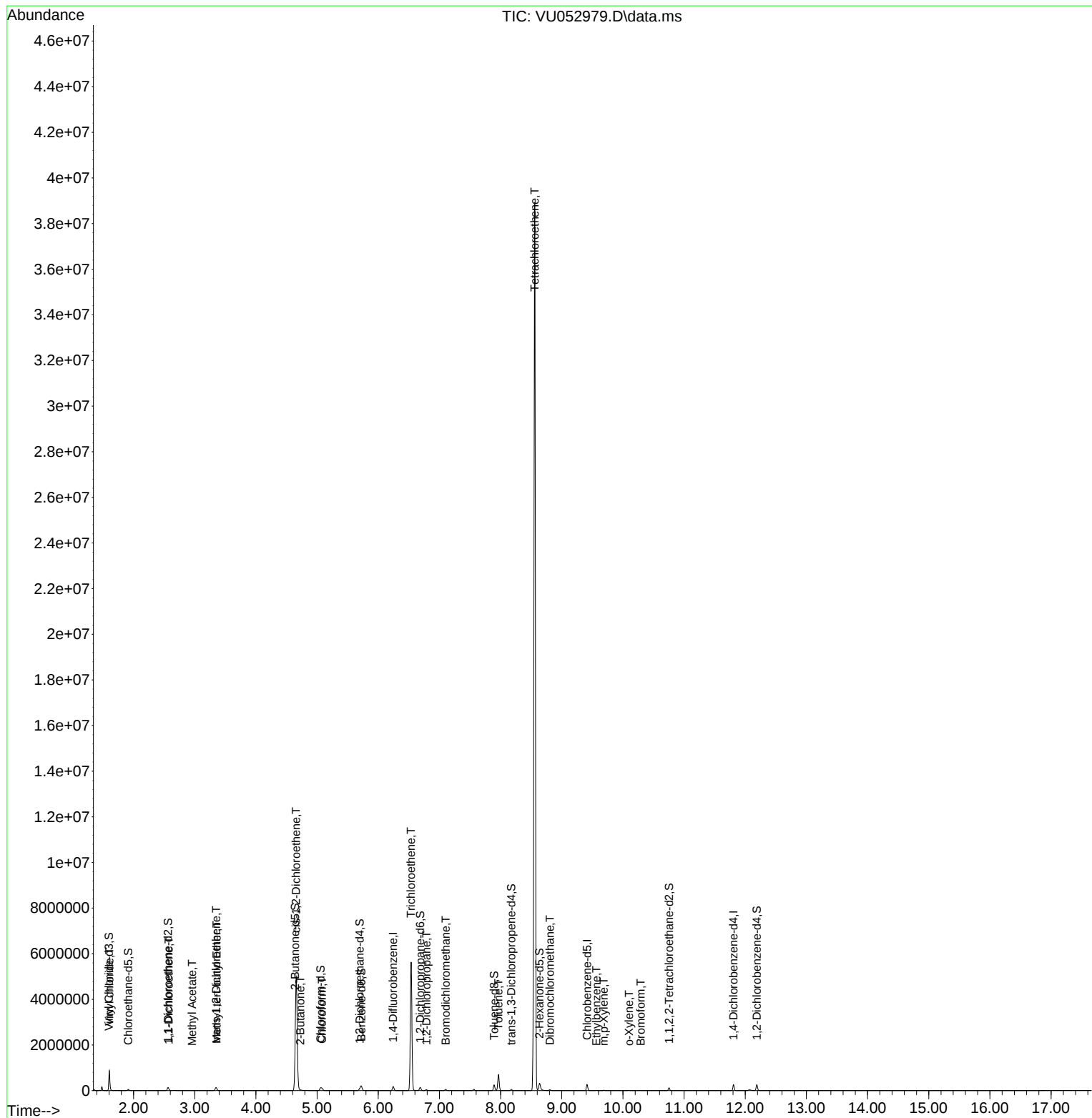
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020623\
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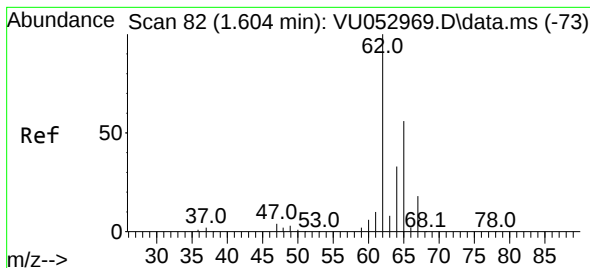
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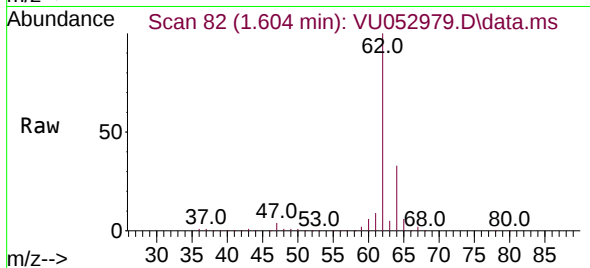
Quant Time: Feb 07 01:06:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
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#5
 Vinyl chloride
 Concen: 32.767 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052979.D
 Acq: 06 Feb 2023 14:41

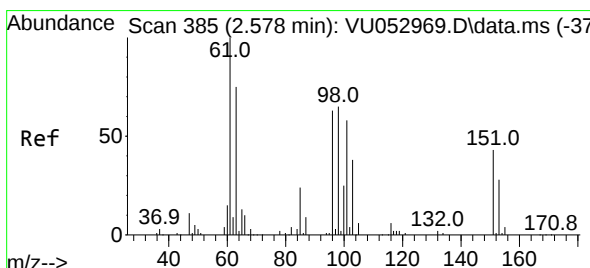
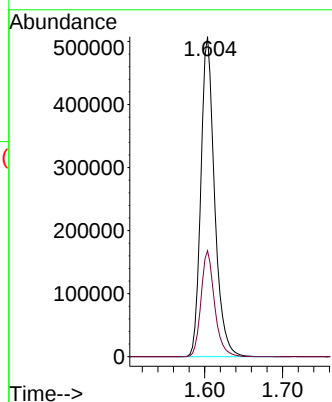
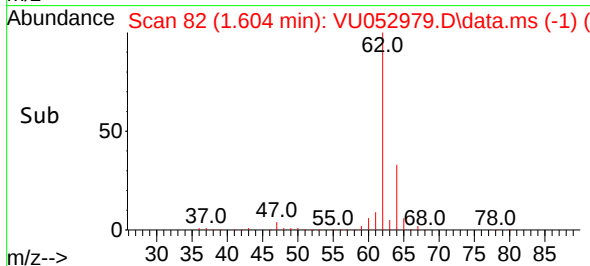
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B69



Tgt Ion: 62 Resp: 620640
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.3 41.3

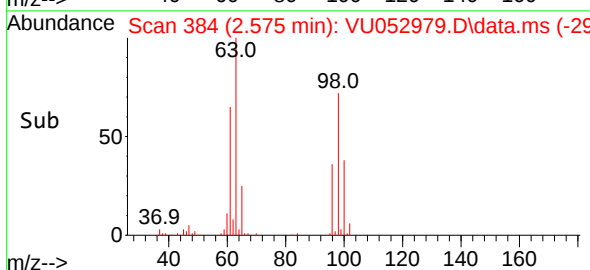
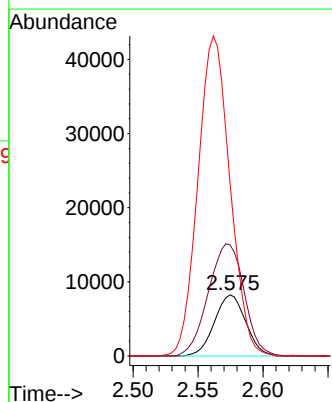
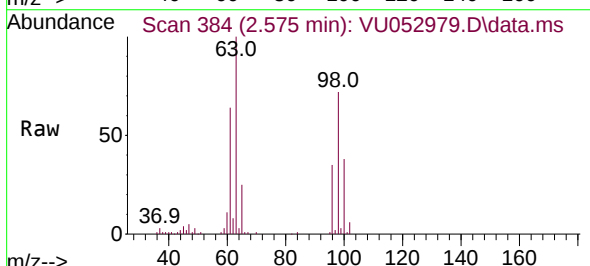
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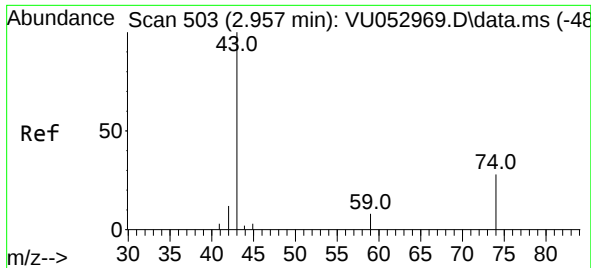
Reviewed By :John Carlone 02/07/2023
 Supervised By :Mahesh Dadoda 02/07/2023



#12
 1,1-Dichloroethene
 Concen: 1.047 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052979.D
 Acq: 06 Feb 2023 14:41

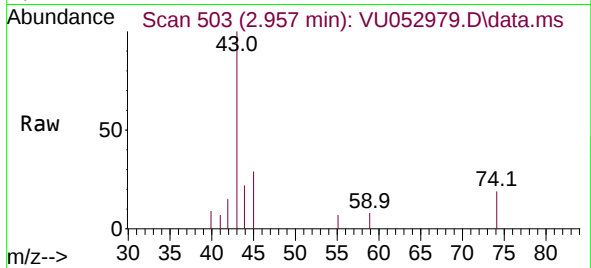
Tgt Ion: 96 Resp: 13768
 Ion Ratio Lower Upper
 96 100
 61 181.5 129.6 240.8
 63 282.2 83.7 155.5





#15
Methyl Acetate
Concen: 0.553 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

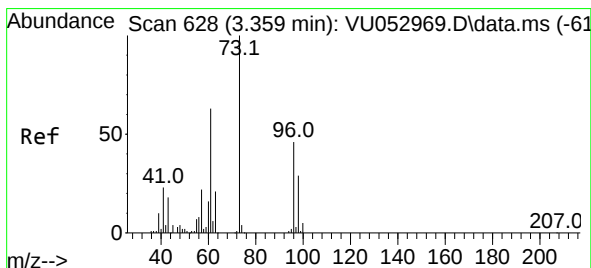
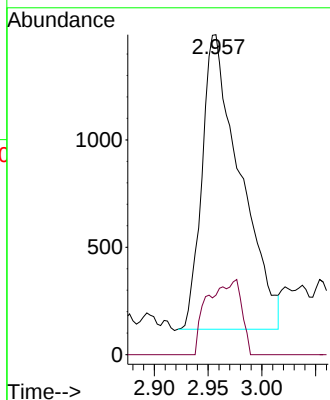
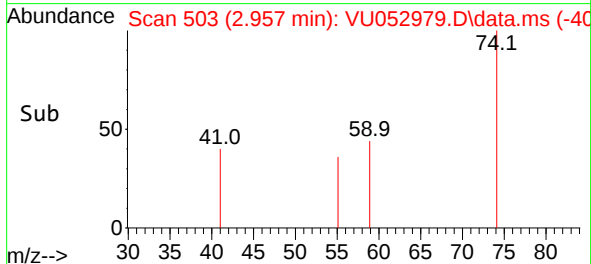
Instrument :
MSVOA_U
ClientSampleId :
C0B69



Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
74 22.4 17.5 26.3

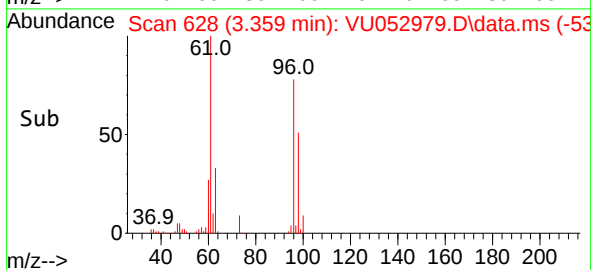
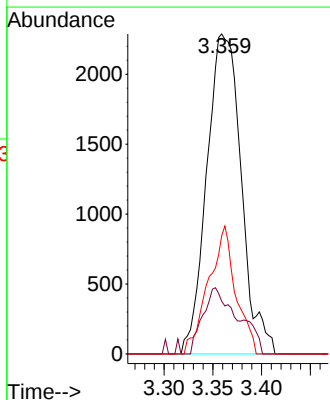
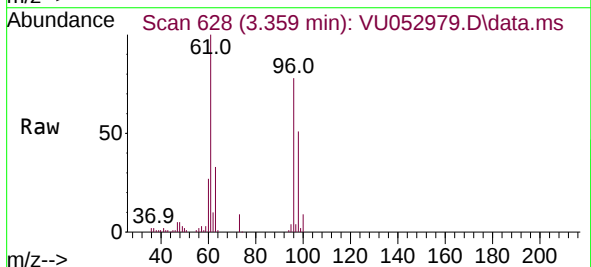
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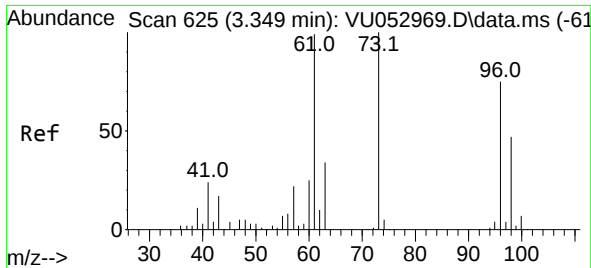
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#17
Methyl tert-butyl Ether
Concen: 0.194 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

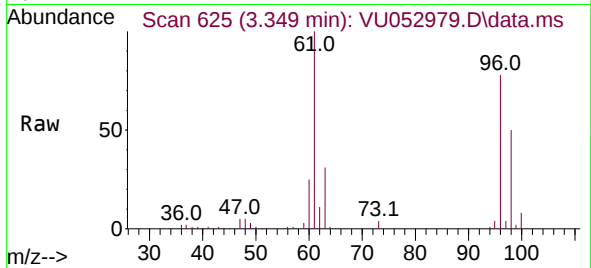
Tgt Ion: 73 Resp: 5635
Ion Ratio Lower Upper
73 100
43 17.1 15.8 23.8
57 31.6 18.6 28.0#





#18
trans-1,2-Dichloroethene
Concen: 4.650 ug/L
RT: 3.349 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

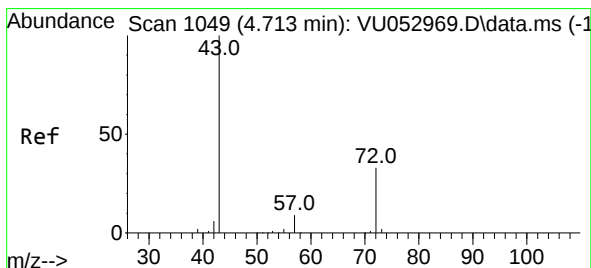
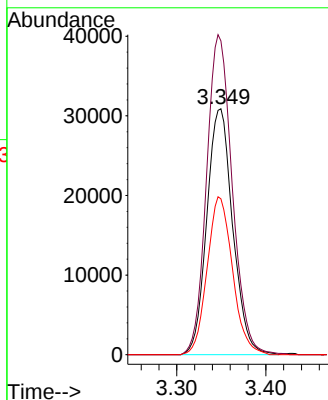
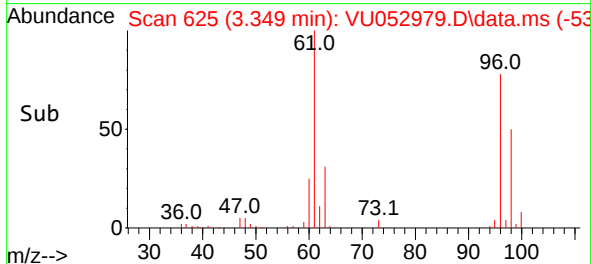
Instrument :
MSVOA_U
ClientSampleId :
C0B69



Tgt Ion: 96 Resp: 6238
Ion Ratio Lower Upper
96 100
61 127.6 108.4 201.4
98 63.4 43.8 81.4

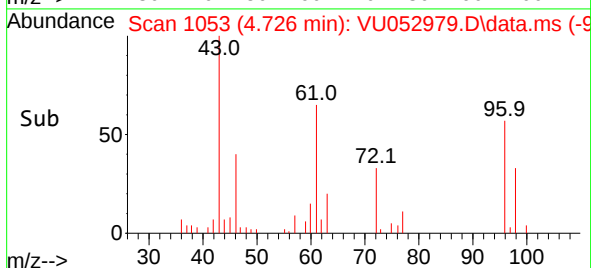
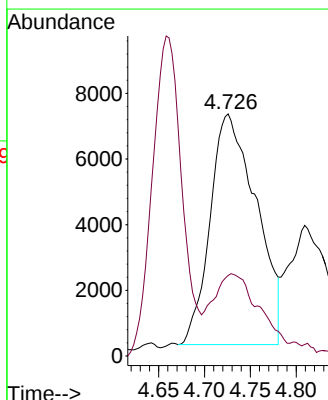
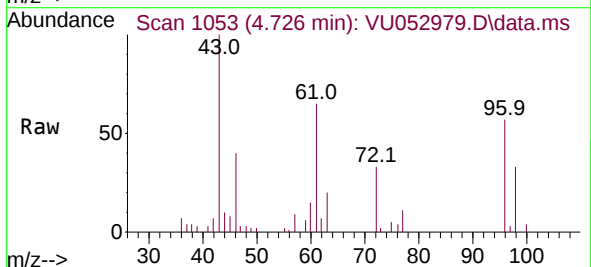
Manual Integrations
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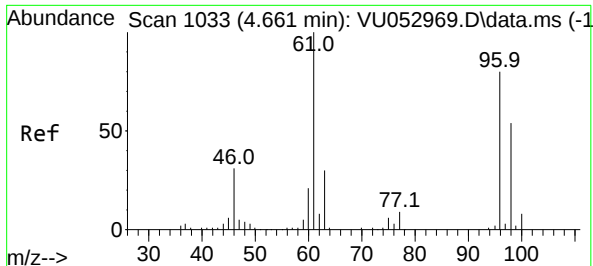
Reviewed By :John Carlone 02/07/2023
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#21
2-Butanone
Concen: 5.984 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.013 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Tgt Ion: 43 Resp: 24625
Ion Ratio Lower Upper
43 100
72 30.5 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 187.153 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052979.D

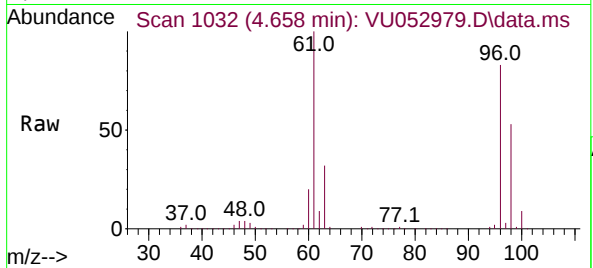
Acq: 06 Feb 2023 14:41

Instrument :

MSVOA_U

ClientSampleId :

C0B69



Tgt Ion: 96 Resp: 269651

Ion Ratio Lower Upper

96 100

61 121.0 94.6 175.8

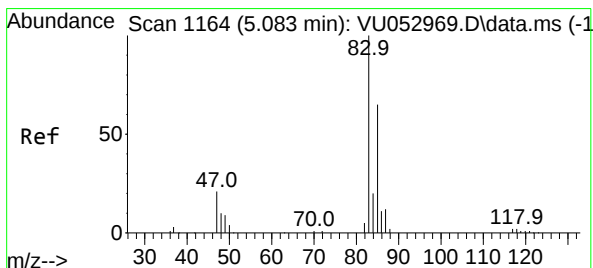
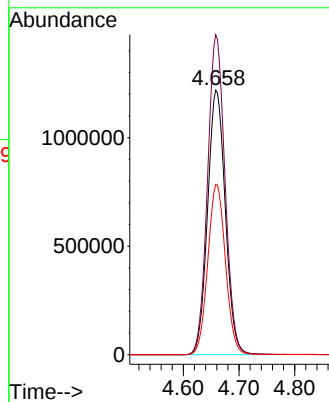
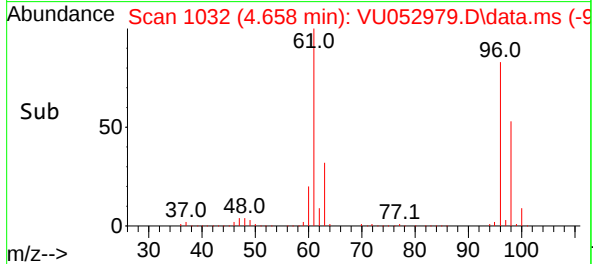
98 64.4 43.3 80.3

Manual Integrations

APPROVED

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#25

Chloroform

Concen: 2.422 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052979.D

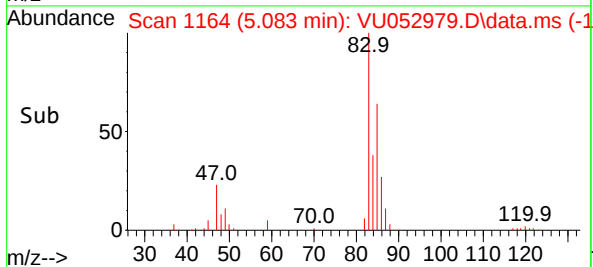
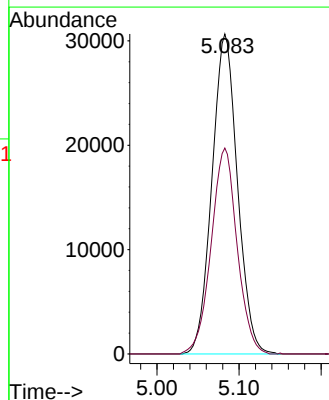
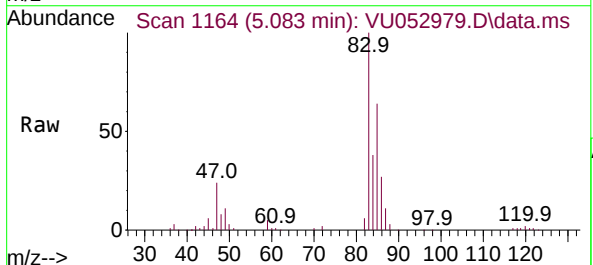
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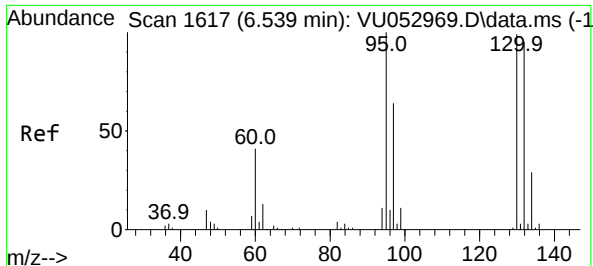
Tgt Ion: 83 Resp: 66329

Ion Ratio Lower Upper

83 100

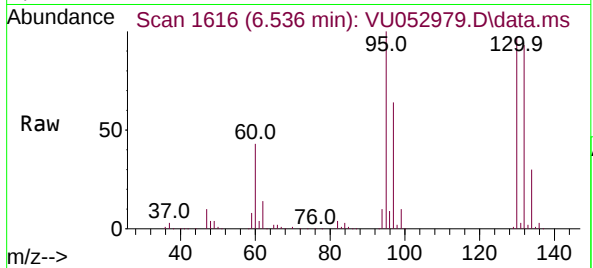
85 64.3 45.6 84.6





#34
Trichloroethene
Concen: 134.785 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

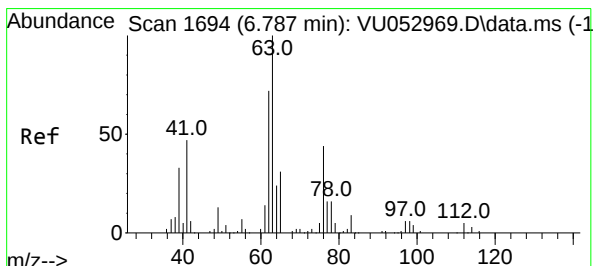
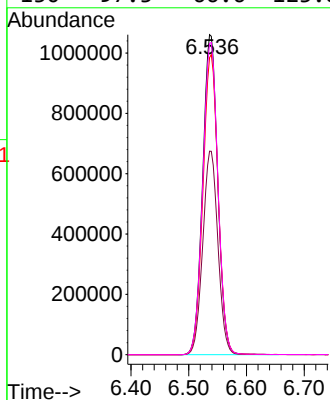
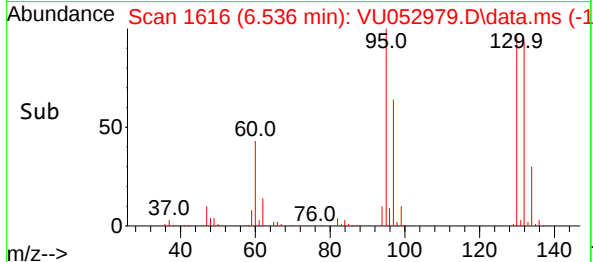
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Tgt Ion: 95 Resp: 192856
Ion Ratio Lower Upper
95 100
97 63.6 46.0 85.4
132 92.9 64.0 118.8
130 97.3 66.6 123.8

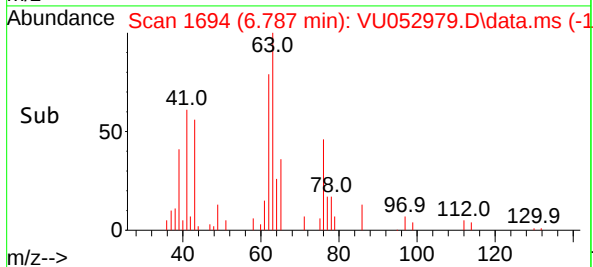
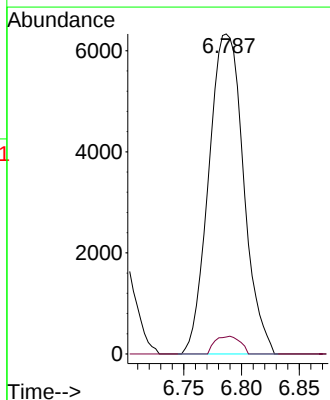
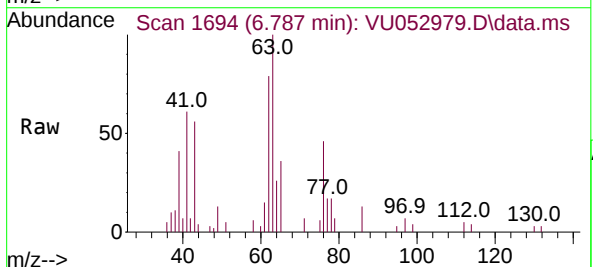
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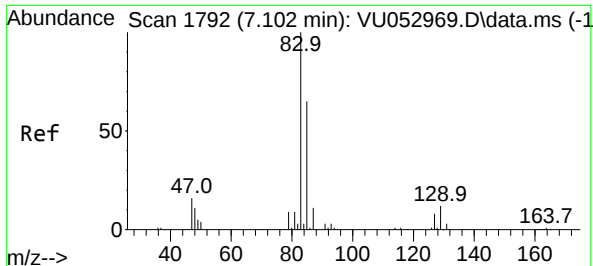
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#37
1,2-Dichloropropane
Concen: 0.818 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

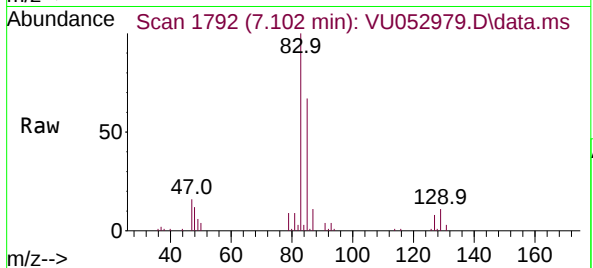
Tgt Ion: 63 Resp: 13283
Ion Ratio Lower Upper
63 100
112 4.0 2.9 4.3





#38
Bromodichloromethane
Concen: 1.772 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

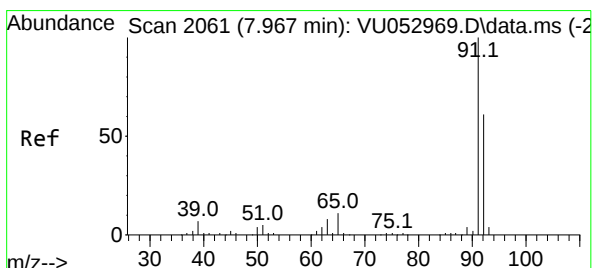
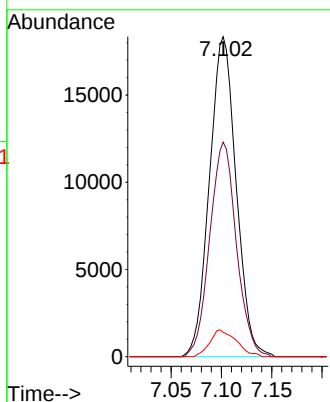
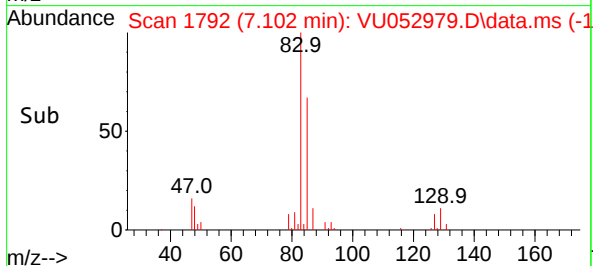
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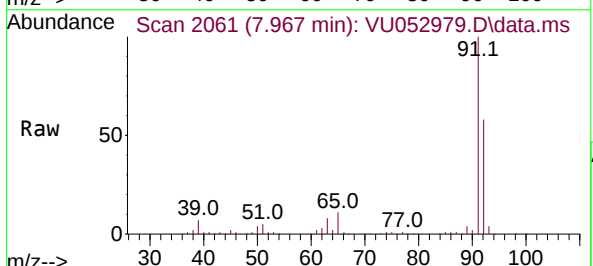
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Ion Ratio Lower Upper
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85 67.0 47.0 87.4
127 7.7 6.9 10.3

Manual Integrations
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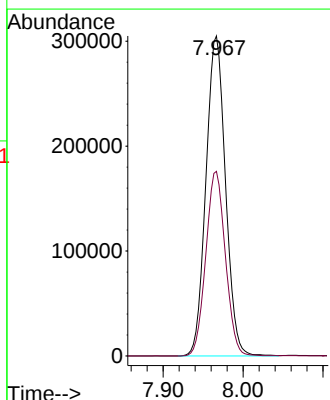
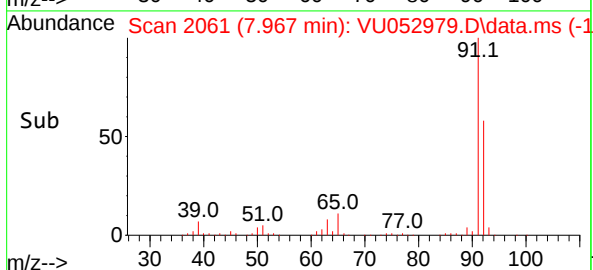
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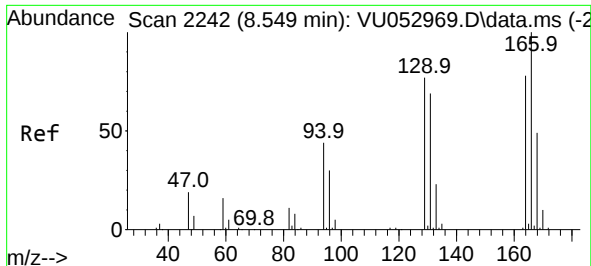


#42
Toluene
Concen: 8.611 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41



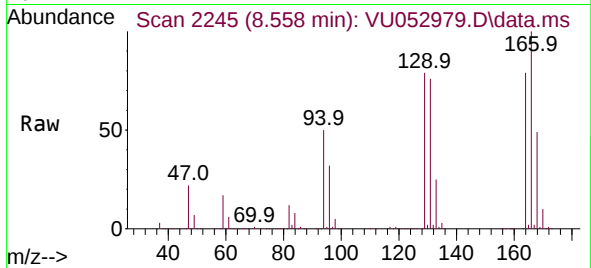
Tgt Ion: 91 Resp: 518854
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.1





#47
Tetrachloroethene
Concen: 820.259 ug/L
RT: 8.558 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

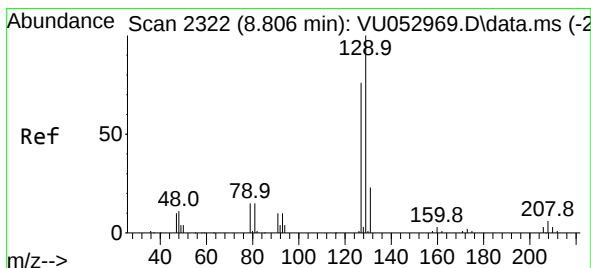
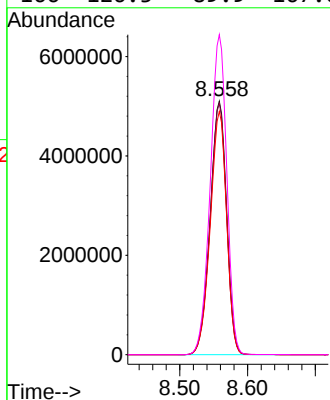
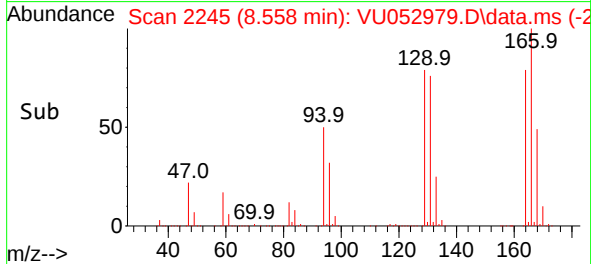
Instrument :
MSVOA_U
ClientSampleId :
C0B69



Tgt Ion:164 Resp: 8647334
Ion Ratio Lower Upper
164 100
129 99.3 71.8 133.4
131 96.0 66.6 123.6
166 126.3 89.9 167.0

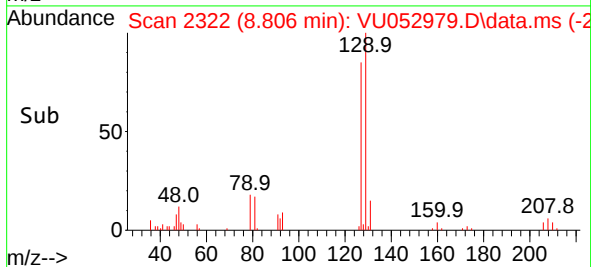
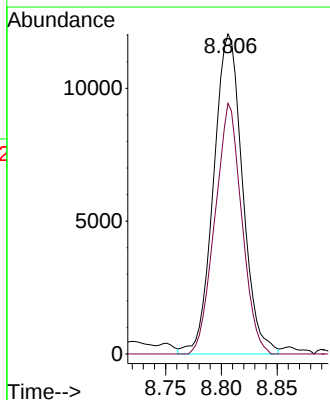
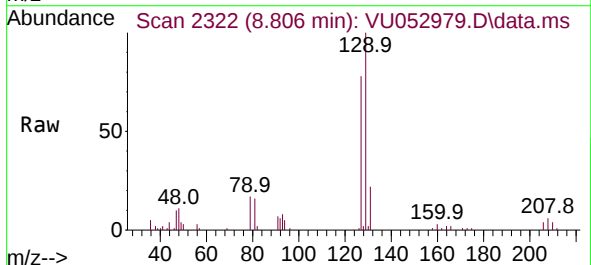
Manual Integrations
APPROVED

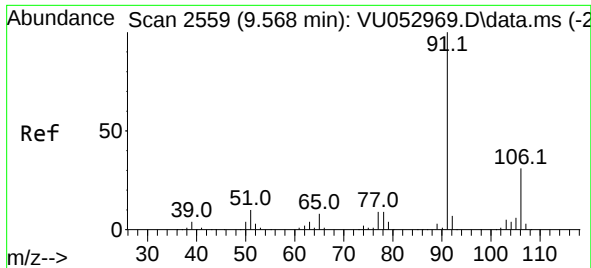
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#49
Dibromochloromethane
Concen: 1.842 ug/L m
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Tgt Ion:129 Resp: 21741
Ion Ratio Lower Upper
129 100
127 78.3 53.5 99.5





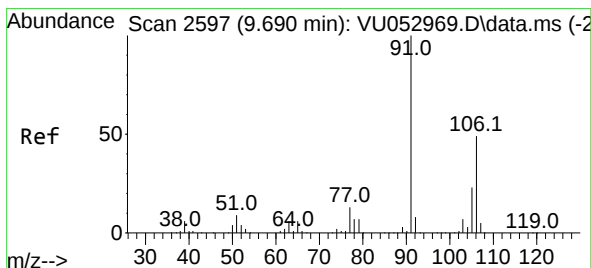
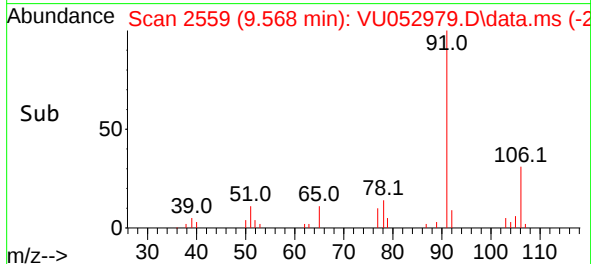
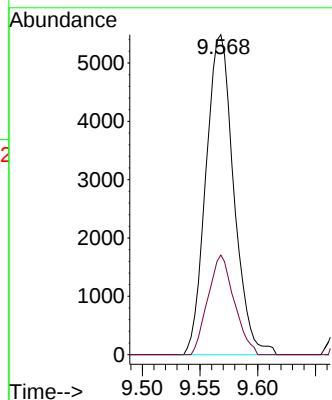
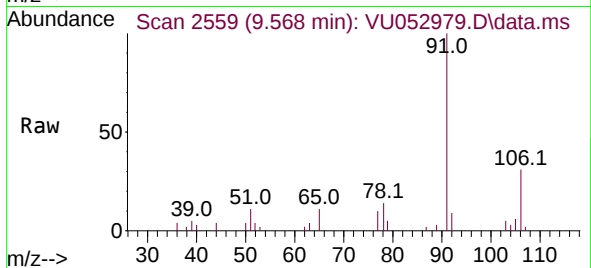
#52
Ethylbenzene
Concen: 0.150 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Instrument :
MSVOA_U
ClientSampleId :
C0B69

Tgt Ion: 91 Resp: 919
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.3

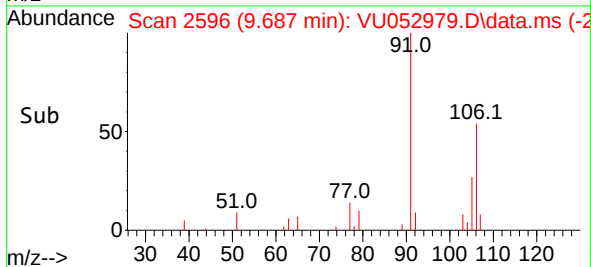
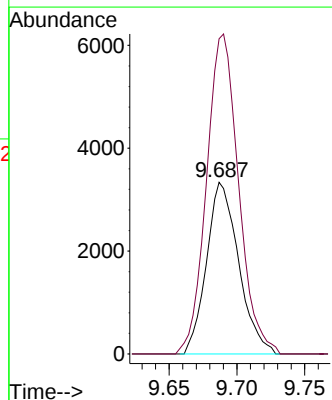
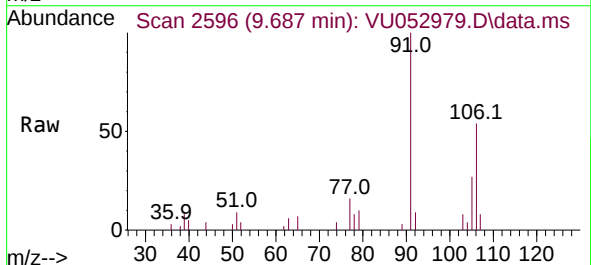
Manual Integrations
APPROVED

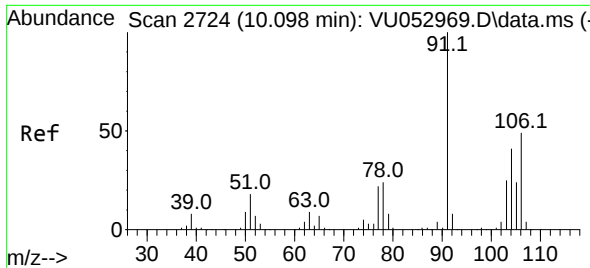
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#53
m,p-Xylene
Concen: 0.236 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Tgt Ion:106 Resp: 5493
Ion Ratio Lower Upper
106 100
91 183.7 144.3 267.9





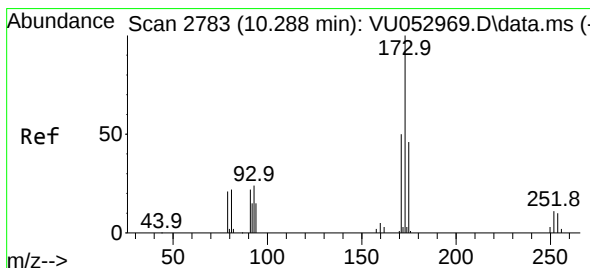
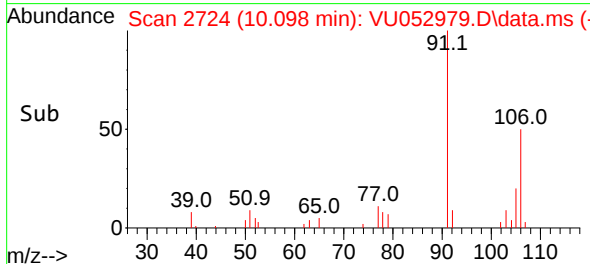
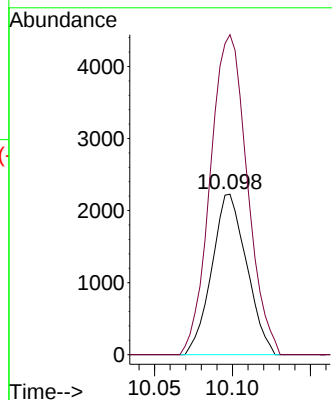
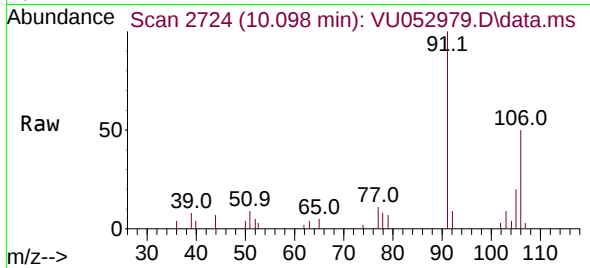
#54
o-Xylene
Concen: 0.156 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Instrument :
MSVOA_U
ClientSampleId :
C0B69

Tgt Ion:106 Resp: 346
Ion Ratio Lower Upper
106 100
91 199.4 148.7 276.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#59
Bromoform
Concen: 0.630 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.003 min
Lab File: VU052979.D
Acq: 06 Feb 2023 14:41

Tgt Ion:173 Resp: 3342
Ion Ratio Lower Upper
173 100
175 43.1 38.2 57.4
254 5.0 7.3 10.9#

