

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051646.D
 Acq On : 01 Nov 2022 06:13
 Operator : JC/MD
 Sample : N5319-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAA5

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Nov 01 07:30:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 02:34:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	247739	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	250090	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	133505	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	79396	4.255	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.912	69	86641	4.452	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.562	65	26154	3.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	4.636	46	365682	54.116	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.240%
24) Chloroform-d	5.060	84	179990	4.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.706	65	102330	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.732	84	356403	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.690	67	129349	4.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.902	98	288625	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.179	79	30773	3.647	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.632	63	278505	54.828	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.660%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	120733	4.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	115603	4.718	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.600	62	1325204	40.506	ug/L	94
8) Chloroethane	1.932	64	785388	39.534	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	34529	1.635	ug/L	98
12) 1,1-Dichloroethene	2.578	96	18322	0.851	ug/L #	52
13) Acetone	2.645	43	1010115	294.618	ug/L	97
14) Carbon disulfide	2.790	76	12550	0.181	ug/L	98
15) Methyl Acetate	2.957	43	24472	2.726	ug/L #	76
16) Methylene chloride	3.044	84	18438	0.523	ug/L	88
18) trans-1,2-Dichloroethene	3.353	96	9838	0.426	ug/L	96
19) 1,1-Dichloroethane	3.867	63	422899	9.919	ug/L	99
21) 2-Butanone	4.713	43	367594	68.464	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	9122213	356.676	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	41201	1.213	ug/L	95
30) Cyclohexane	5.388	56	154170	4.931	ug/L	99
33) Benzene	5.755	78	34242743m	346.965	ug/L	
34) Trichloroethene	6.546	95	4645	0.195	ug/L	88
35) Methylcyclohexane	6.761	83	167178	5.077	ug/L	98
40) 4-Methyl-2-pentanone	7.803	43	699291	54.923	ug/L	100
42) Toluene	7.957	91	39182398m	386.578	ug/L	

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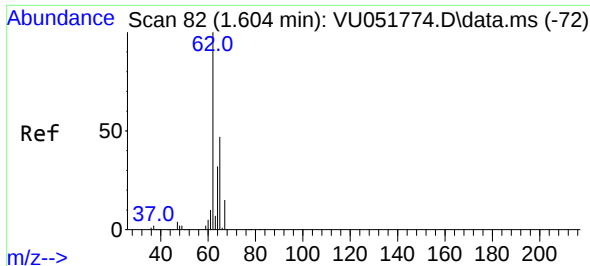
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.446	112	6021955	94.399	ug/L	98
52) Ethylbenzene	9.561	91	19628513m	200.706	ug/L	98
53) m,p-Xylene	9.690	106	18055756m	475.326	ug/L	98
54) o-Xylene	10.102	106	6500643	175.106	ug/L	93
60) Isopropylbenzene	10.484	105	9023237	92.582	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	1371222	52.261	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	6423841	84.909	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	53014	1.093	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	446408	9.176	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	583395	12.344	ug/L	99

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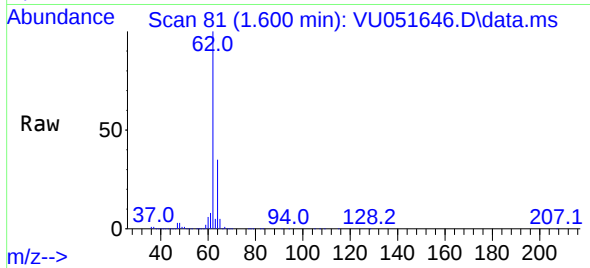
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 40.506 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051646.D
 Acq: 01 Nov 2022 06:13

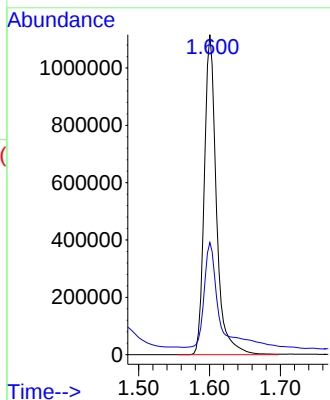
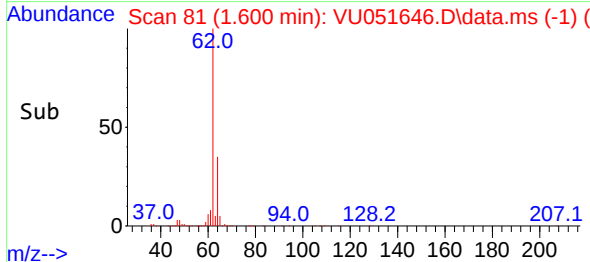
Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 62 Resp: 1325204
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.1 41.1

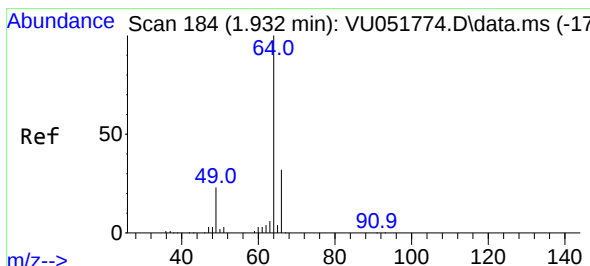
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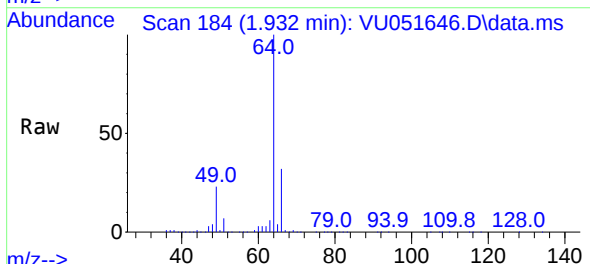


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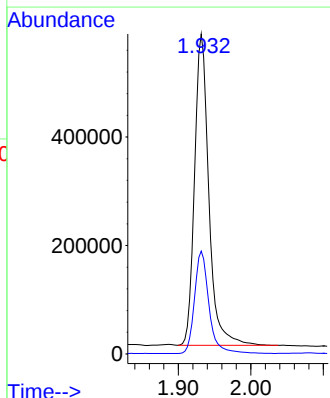
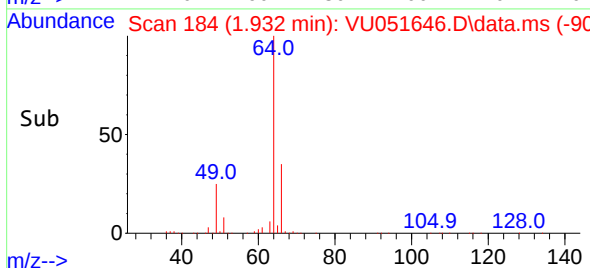
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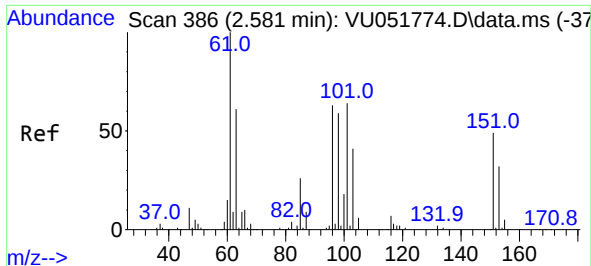


#8
 Chloroethane
 Concen: 39.534 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.003 min
 Lab File: VU051646.D
 Acq: 01 Nov 2022 06:13



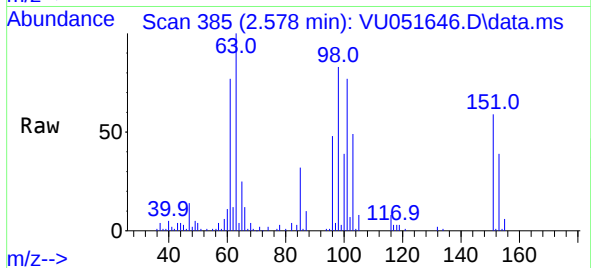
Tgt Ion: 64 Resp: 785388
 Ion Ratio Lower Upper
 64 100
 66 32.2 22.3 41.5





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.635 ug/L
RT: 2.578 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

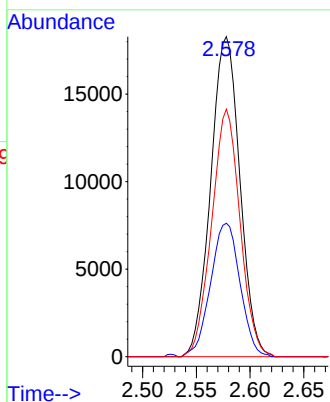
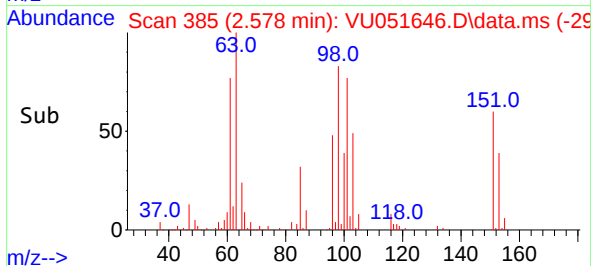
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion:101 Resp: 34529
Ion Ratio Lower Upper
101 100
85 42.1 35.6 53.4
151 75.3 59.6 89.4

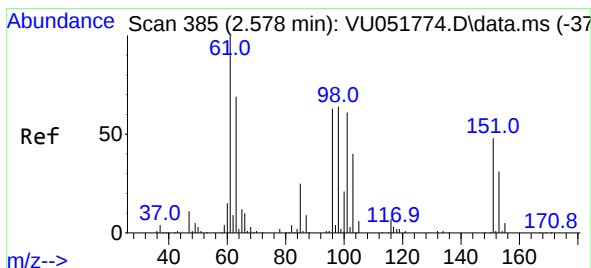
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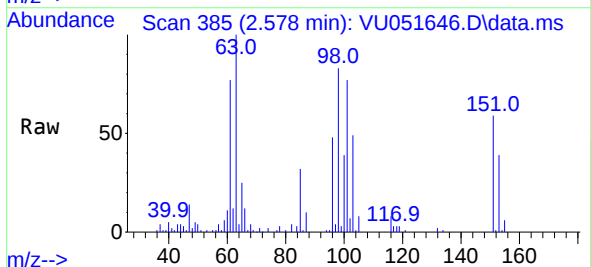


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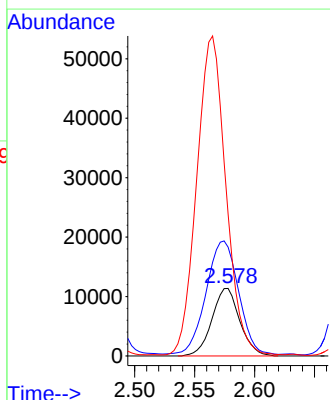
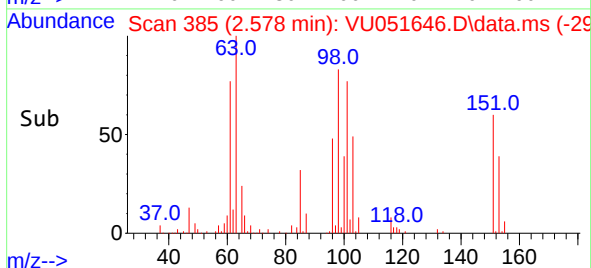
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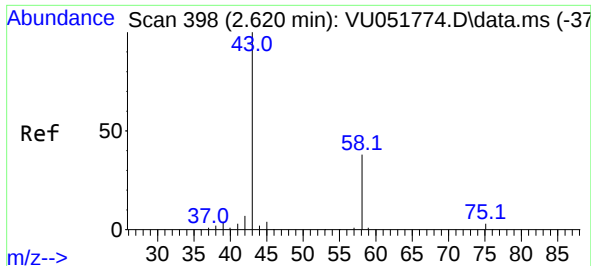


#12
1,1-Dichloroethene
Concen: 0.851 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13



Tgt Ion: 96 Resp: 18322
Ion Ratio Lower Upper
96 100
61 161.0 108.8 202.0
63 209.6 64.9 120.5#





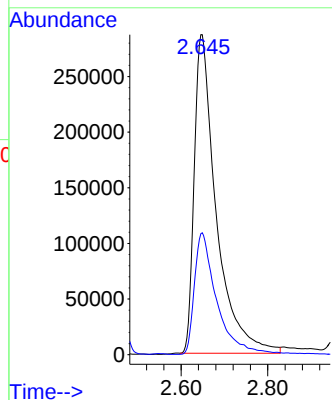
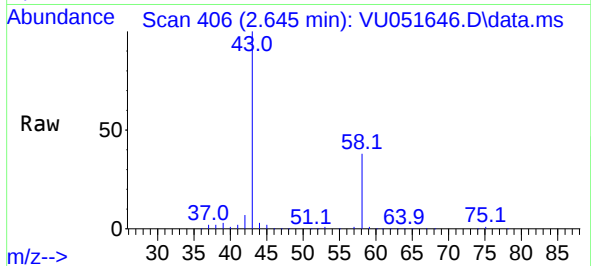
#13
Acetone
Concen: 294.618 ug/L
RT: 2.645 min Scan# 406
Delta R.T. 0.022 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion: 43 Resp: 101011
Ion Ratio Lower Upper
43 100
58 38.4 0.0 73.8

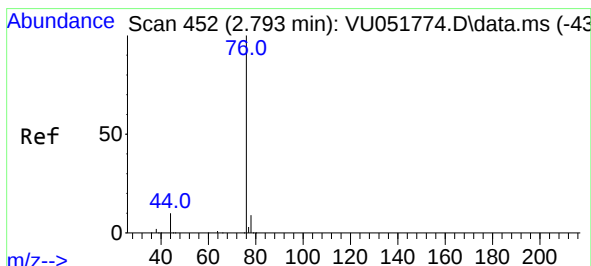
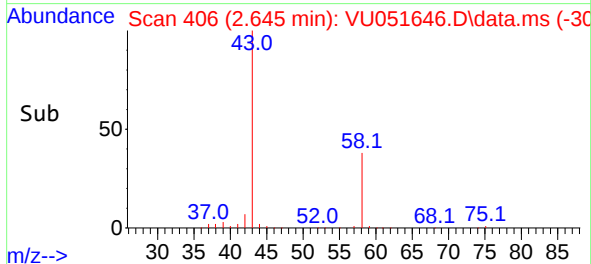
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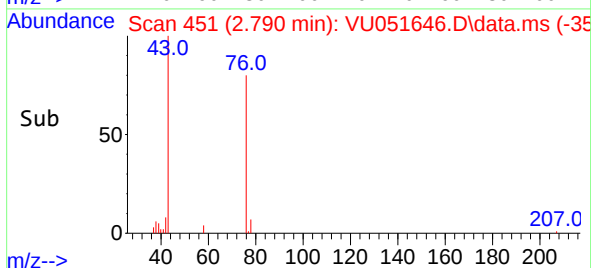
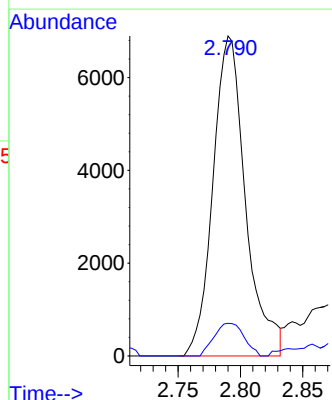
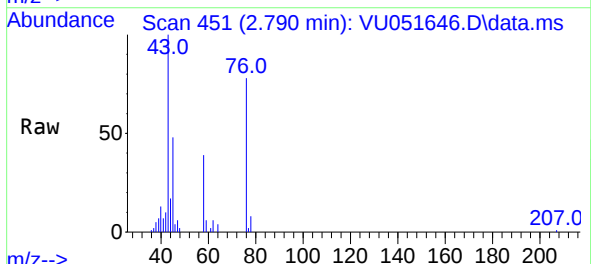
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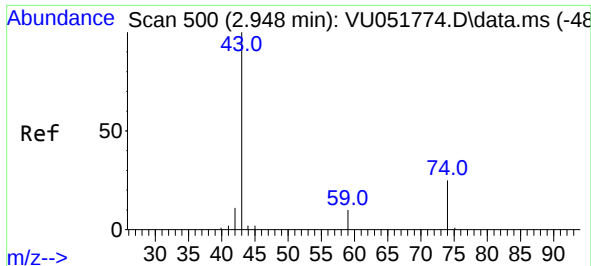
11/03/2022



#14
Carbon disulfide
Concen: 0.181 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

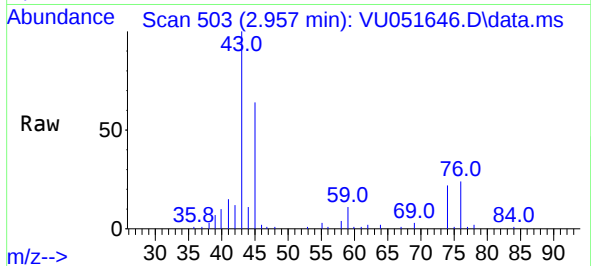
Tgt Ion: 76 Resp: 12550
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2





#15
Methyl Acetate
Concen: 2.726 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

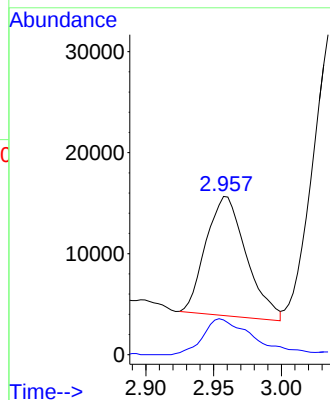
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion: 43 Resp: 24472
Ion Ratio Lower Upper
43 100
74 37.3 20.2 30.4

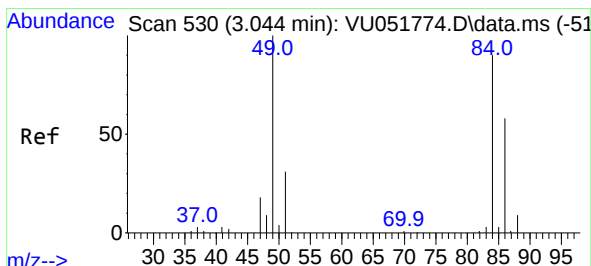
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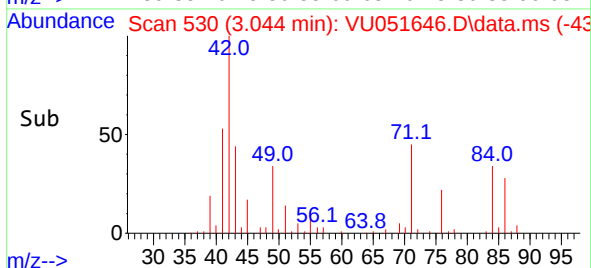
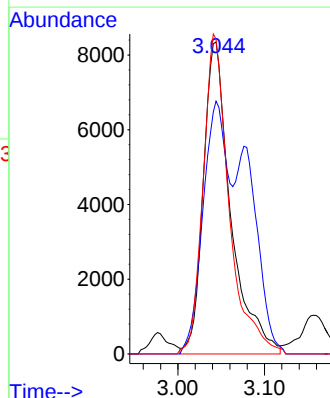
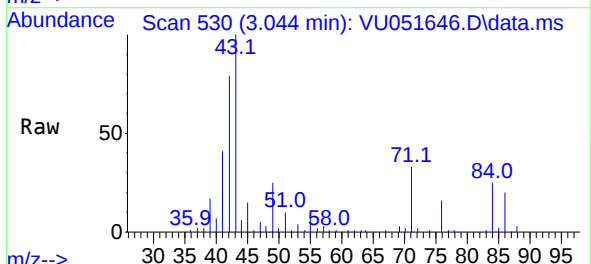
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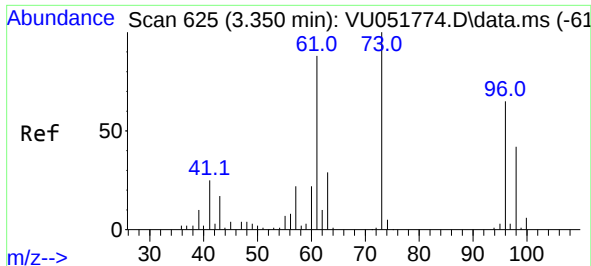
11/03/2022



#16
Methylene chloride
Concen: 0.523 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

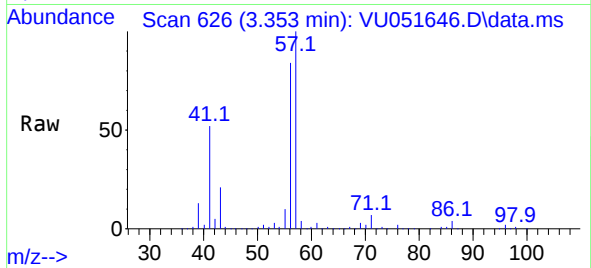
Tgt Ion: 84 Resp: 18438
Ion Ratio Lower Upper
84 100
86 81.0 46.3 85.9
49 100.9 76.0 141.2





#18
trans-1,2-Dichloroethene
Concen: 0.426 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

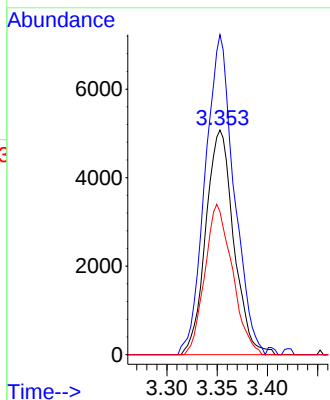
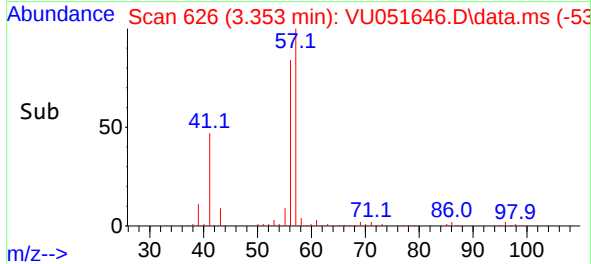
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion: 96 Resp: 9838
Ion Ratio Lower Upper
96 100
61 142.4 94.7 175.9
98 63.6 44.2 82.0

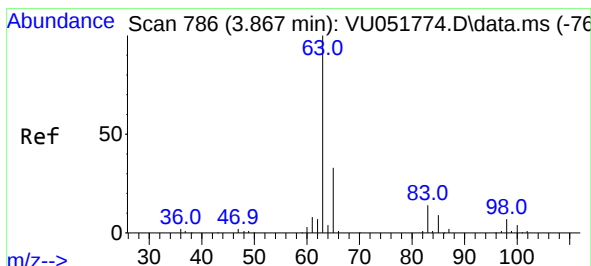
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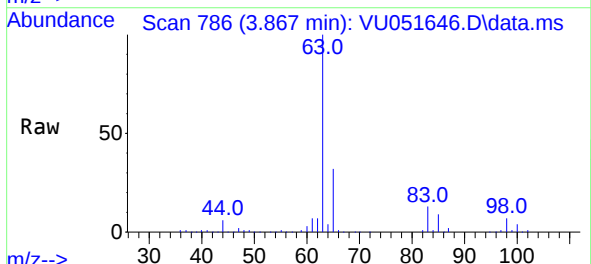


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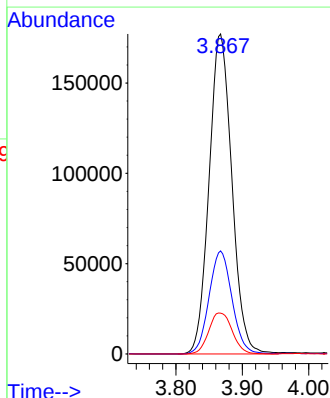
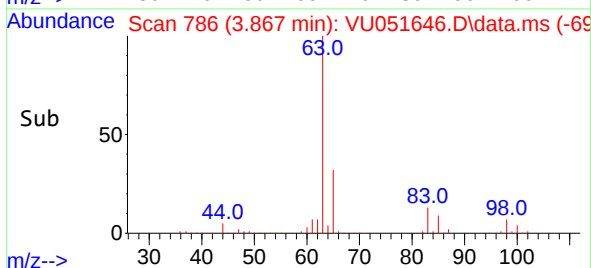
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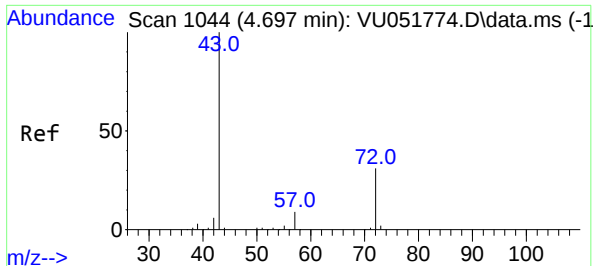


#19
1,1-Dichloroethane
Concen: 9.919 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13



Tgt Ion: 63 Resp: 422899
Ion Ratio Lower Upper
63 100
65 32.2 22.7 42.1
83 12.7 9.2 17.0





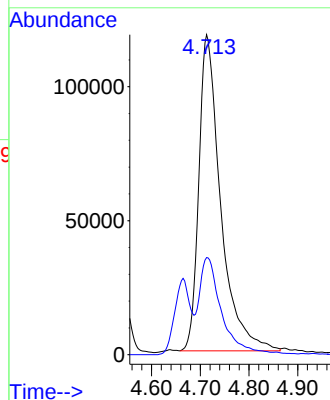
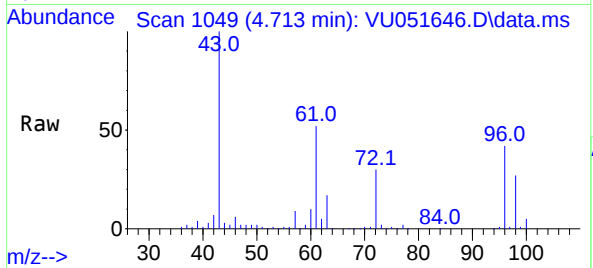
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2-Butanone
Concen: 68.464 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion: 43 Resp: 367594
Ion Ratio Lower Upper
43 100
72 29.8 16.2 48.5

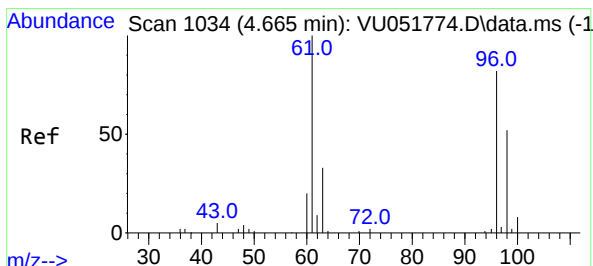
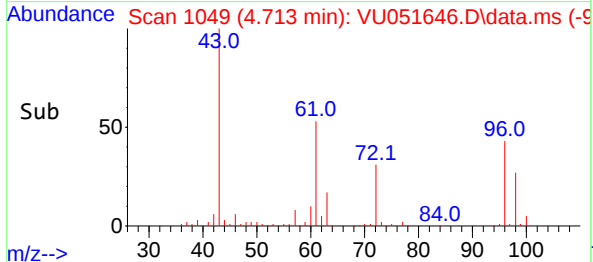
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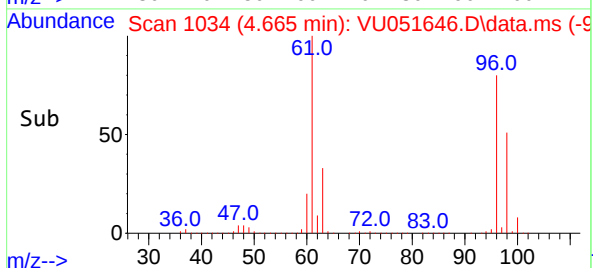
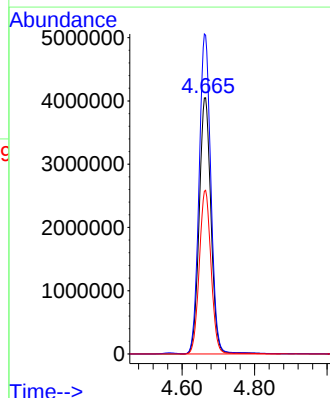
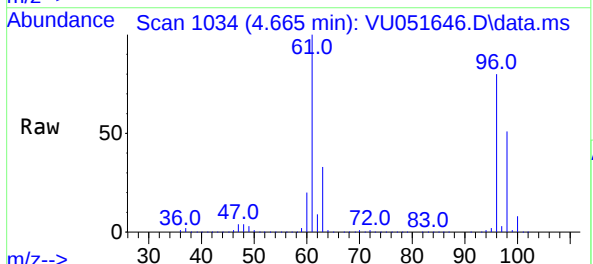
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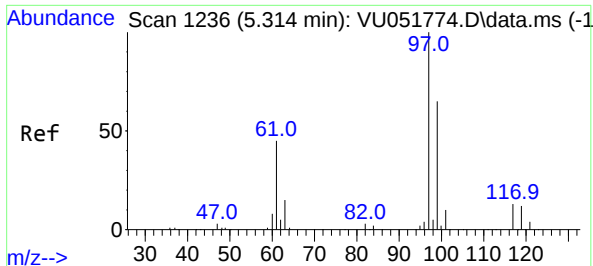
11/03/2022



#22
cis-1,2-Dichloroethene
Concen: 356.676 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Tgt Ion: 96 Resp: 9122213
Ion Ratio Lower Upper
96 100
61 124.4 86.4 160.4
98 63.9 44.2 82.2





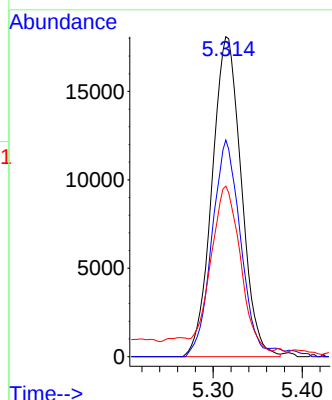
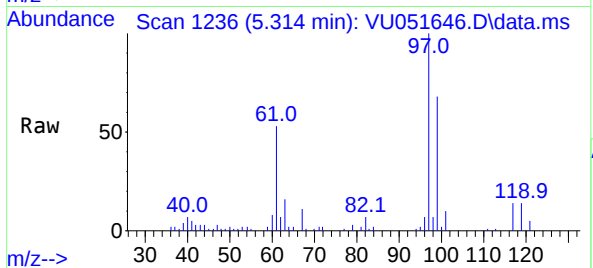
#29
1,1,1-Trichloroethane
Concen: 1.213 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion: 97 Resp: 4120
Ion Ratio Lower Upper
97 100
99 66.3 51.1 76.7
61 52.0 37.4 56.0

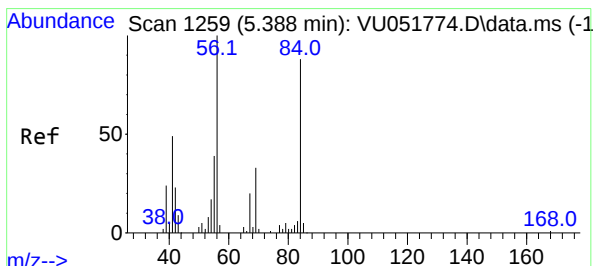
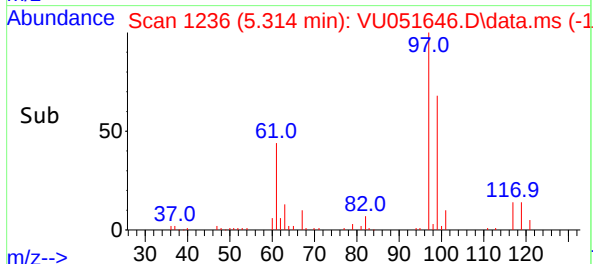
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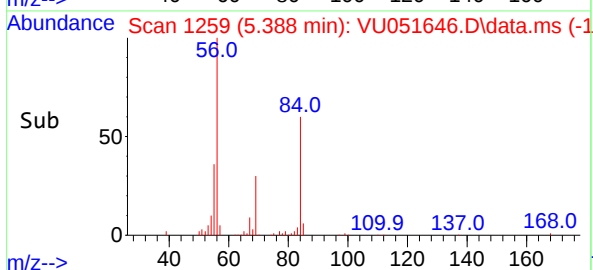
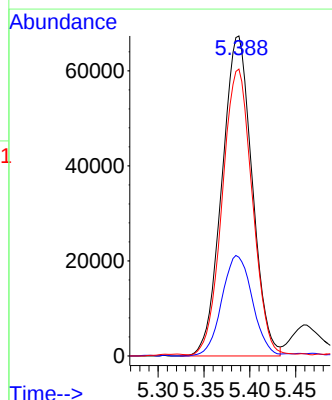
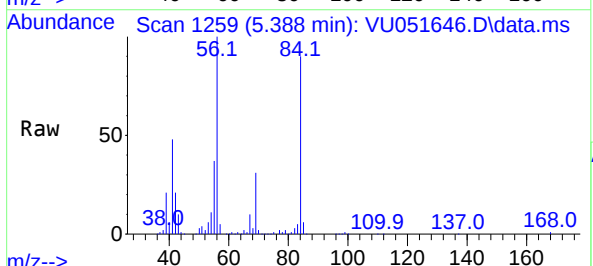
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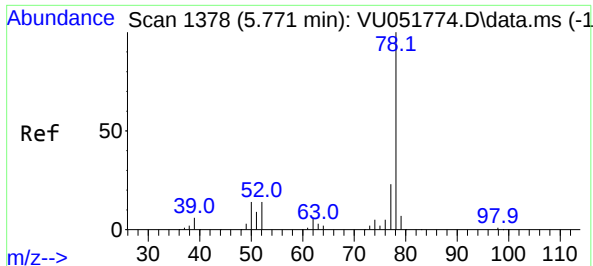
11/03/2022



#30
Cyclohexane
Concen: 4.931 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Tgt Ion: 56 Resp: 154170
Ion Ratio Lower Upper
56 100
69 31.7 25.4 38.0
84 88.4 71.4 107.0





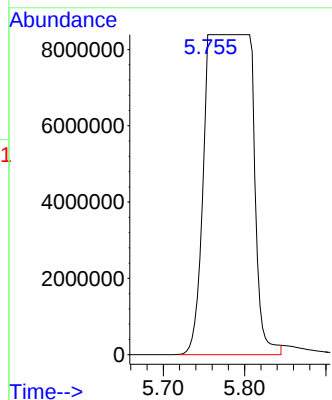
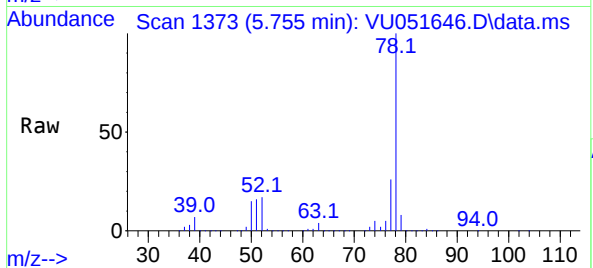
#33
Benzene
Concen: 346.965 ug/L m
RT: 5.755 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion: 78 Resp:3424274

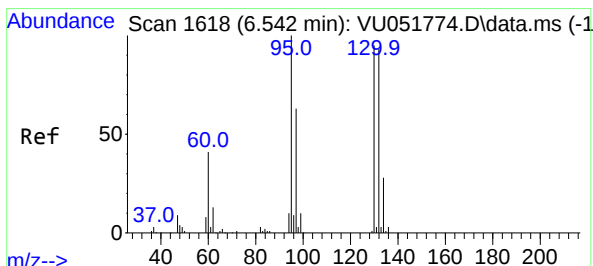
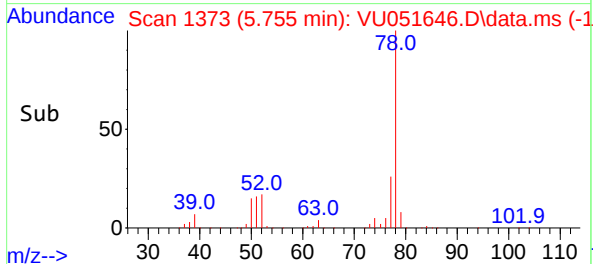
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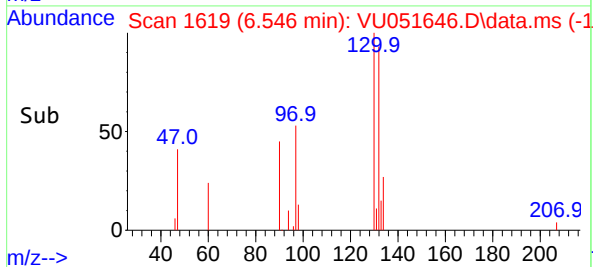
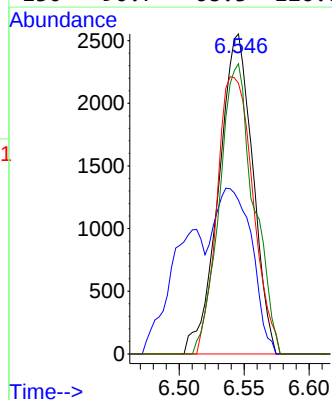
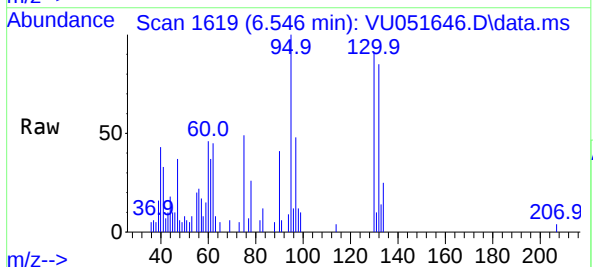
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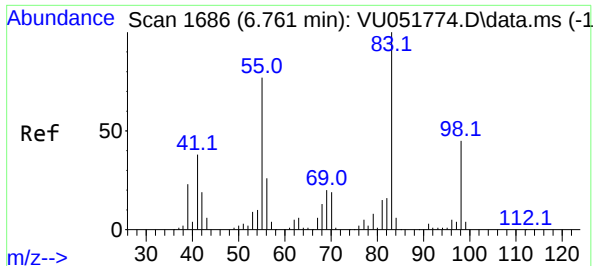
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#34
Trichloroethene
Concen: 0.195 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

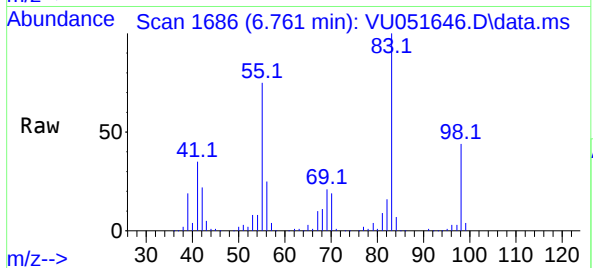
Tgt Ion: 95 Resp: 4645
Ion Ratio Lower Upper
95 100
97 48.0 45.2 84.0
132 84.6 66.5 123.5
130 90.7 68.3 126.8





#35
Methylcyclohexane
Concen: 5.077 ug/L
RT: 6.761 min Scan# 10
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

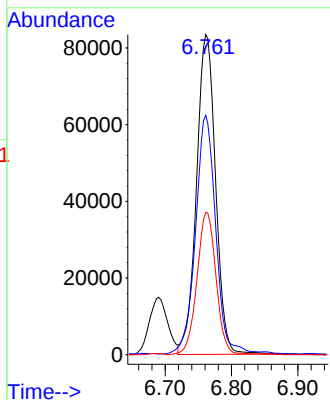
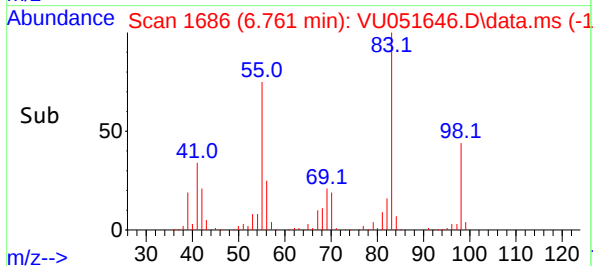
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion: 83 Resp: 167178
Ion Ratio Lower Upper
83 100
55 78.7 60.6 90.8
98 44.6 35.8 53.6

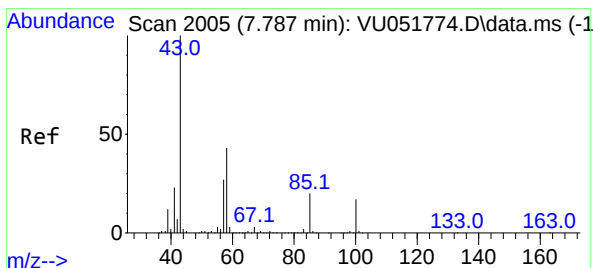
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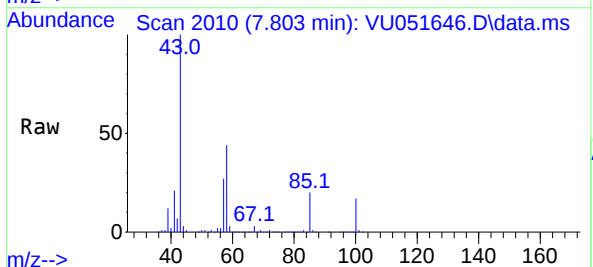


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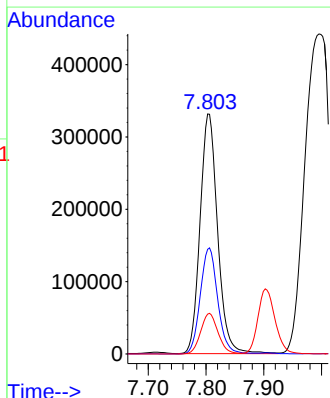
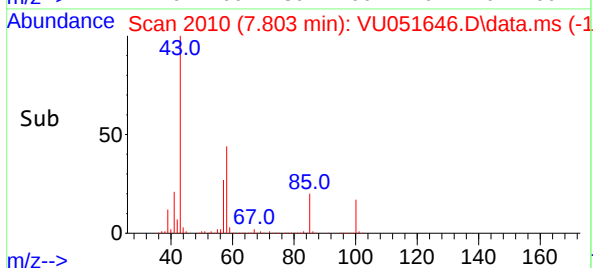
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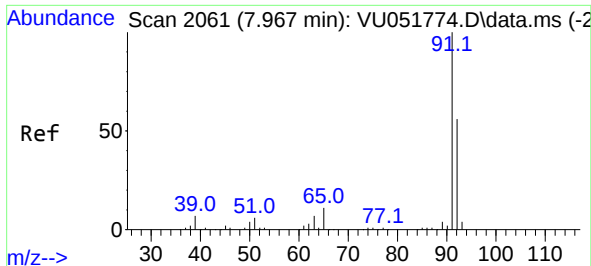


#40
4-Methyl-2-pentanone
Concen: 54.923 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.016 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13



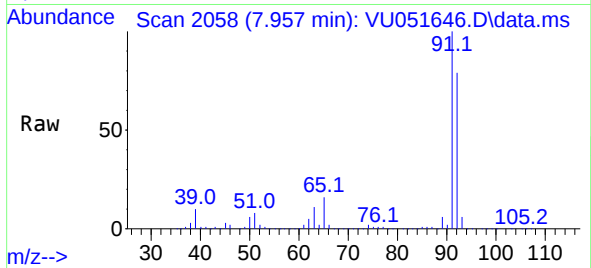
Tgt Ion: 43 Resp: 699291
Ion Ratio Lower Upper
43 100
58 43.9 35.0 52.6
100 16.8 13.4 20.0





#42
Toluene
Concen: 386.578 ug/L m
RT: 7.957 min Scan# 2061
Delta R.T. -0.010 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

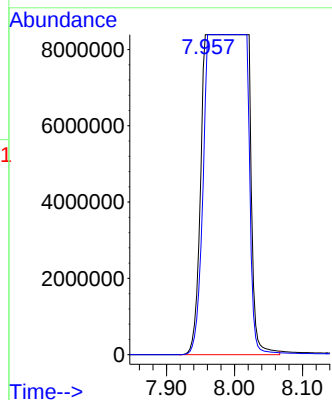
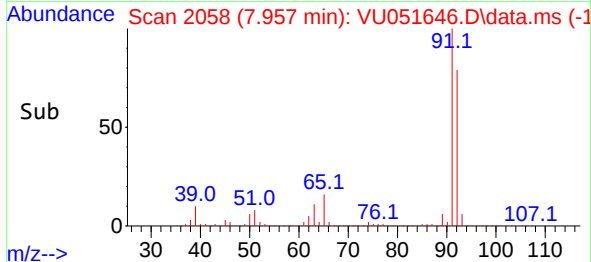
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion: 91 Resp: 3918239
Ion Ratio Lower Upper
91 100
92 79.5 40.5 75.3

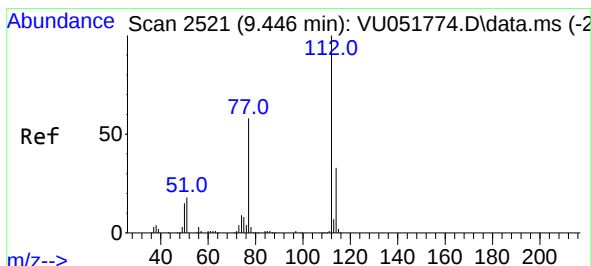
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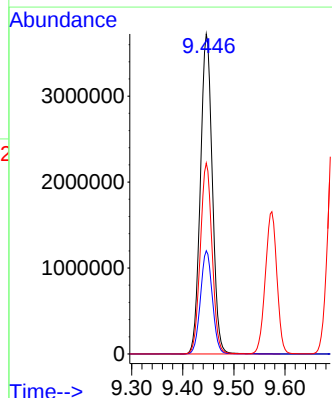
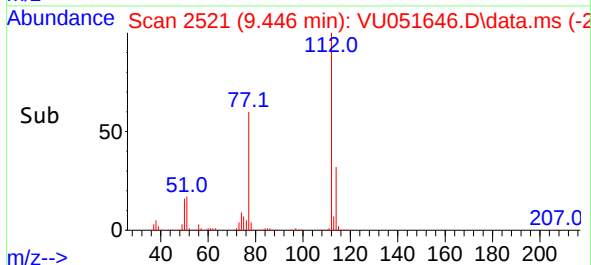
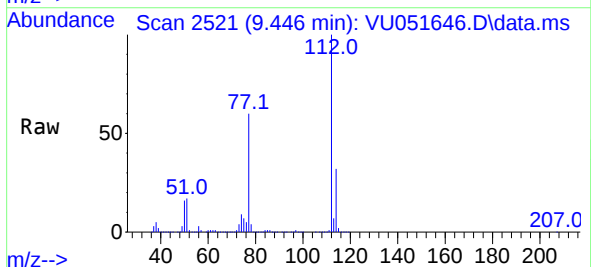
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Supervised By :Mahesh
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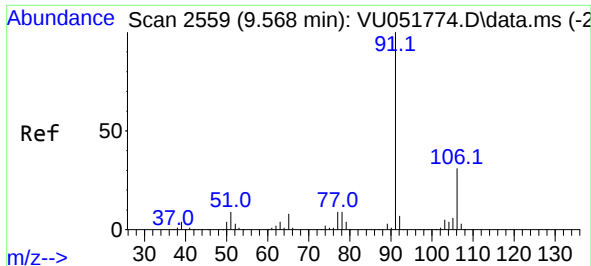
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#51
Chlorobenzene
Concen: 94.399 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Tgt Ion:112 Resp: 6021955
Ion Ratio Lower Upper
112 100
114 32.2 22.0 40.8
77 59.7 46.7 70.1





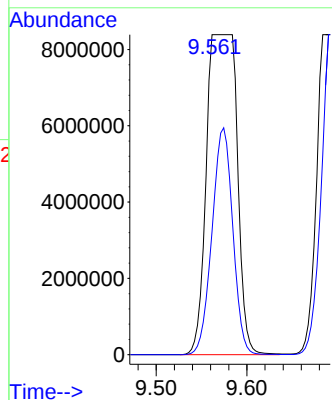
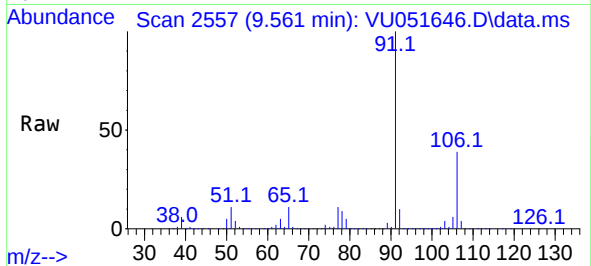
#52
Ethylbenzene
Concen: 200.706 ug/L m
RT: 9.561 min Scan# 2559
Delta R.T. -0.007 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion: 91 Resp:1962851
Ion Ratio Lower Upper
91 100
106 38.5 21.8 40.6

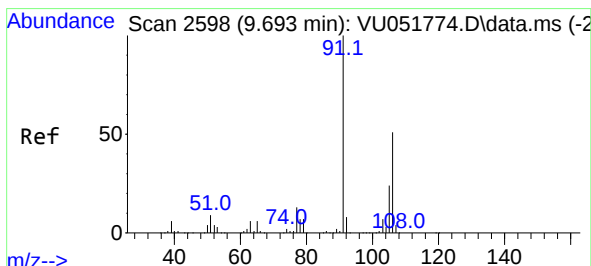
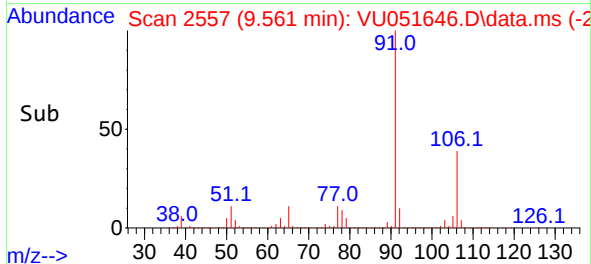
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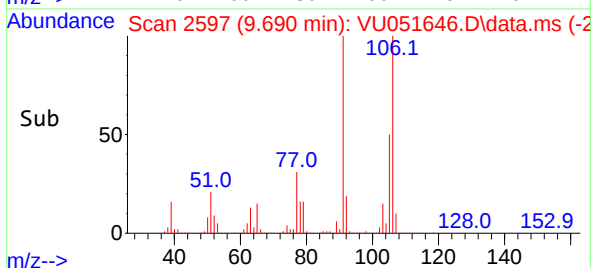
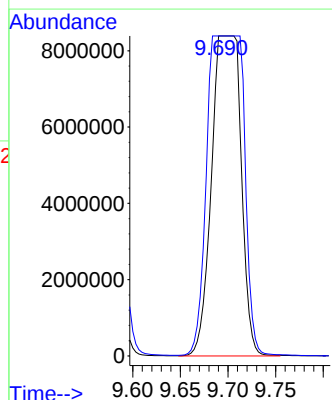
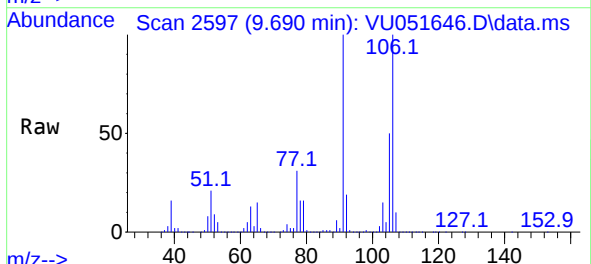
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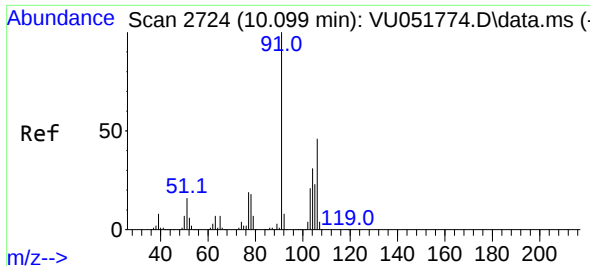
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#53
m,p-Xylene
Concen: 475.326 ug/L m
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Tgt Ion:106 Resp:18055756
Ion Ratio Lower Upper
106 100
91 100.0 139.4 259.0#





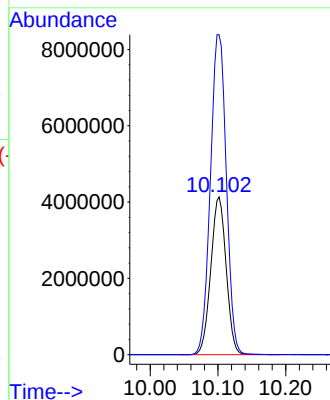
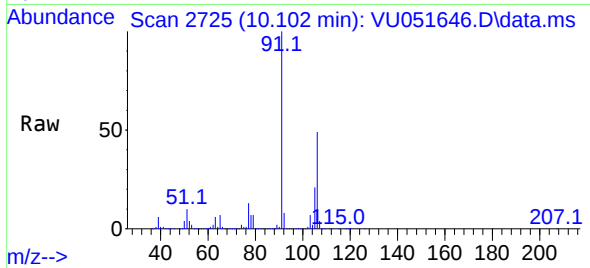
#54
o-Xylene
Concen: 175.106 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion:106 Resp: 650064
Ion Ratio Lower Upper
106 100
91 202.7 149.2 277.2

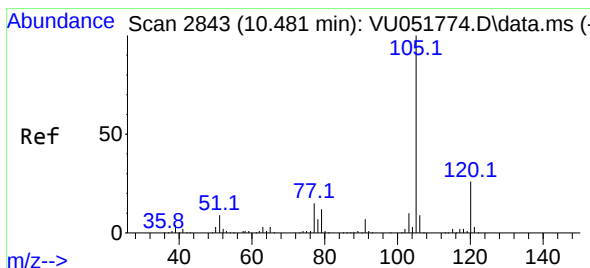
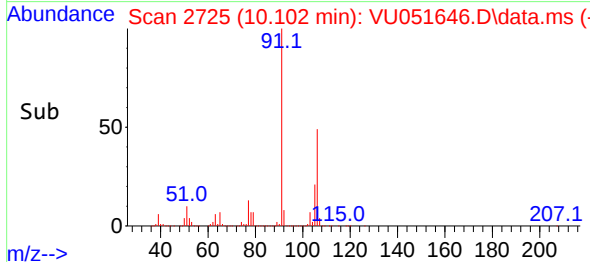
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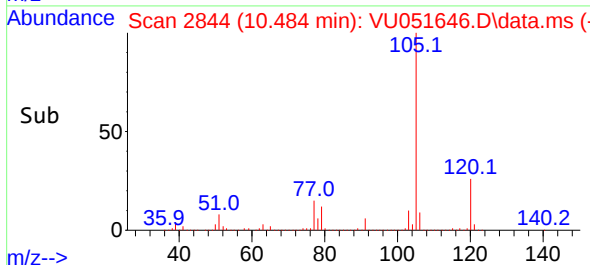
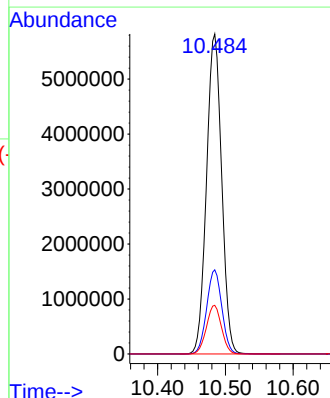
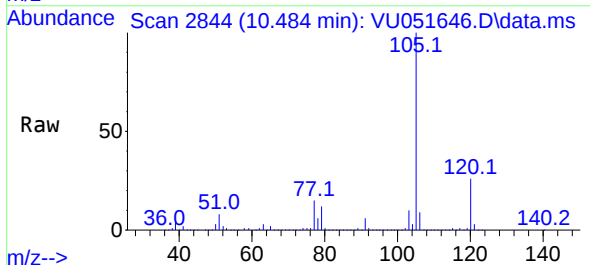
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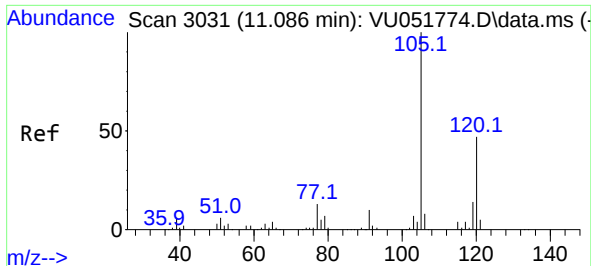
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#60
Isopropylbenzene
Concen: 92.582 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

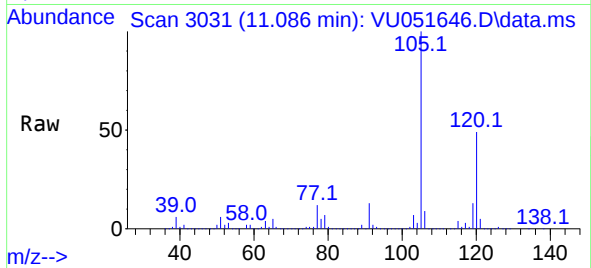
Tgt Ion:105 Resp: 9023237
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 15.1 12.3 18.5





#62
1,3,5-Trimethylbenzene
Concen: 52.261 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

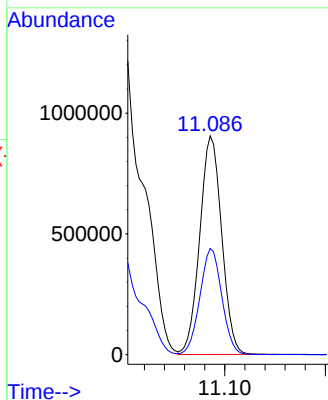
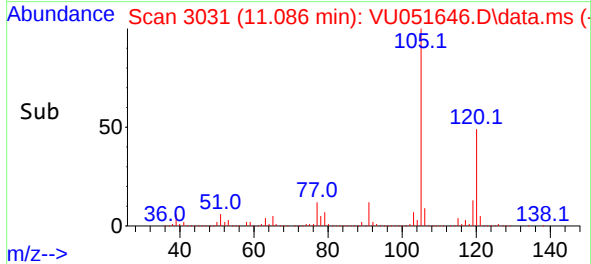
Instrument :
MSVOA_U
ClientSampleId :
BHAA5



Tgt Ion:105 Resp: 1371222
Ion Ratio Lower Upper
105 100
120 48.4 38.6 57.8

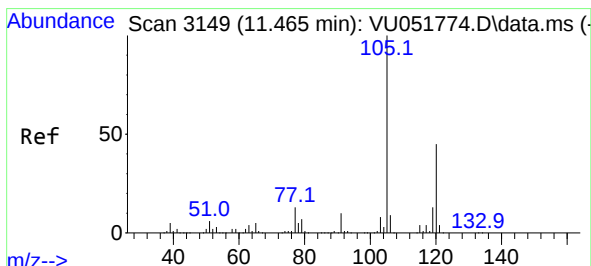
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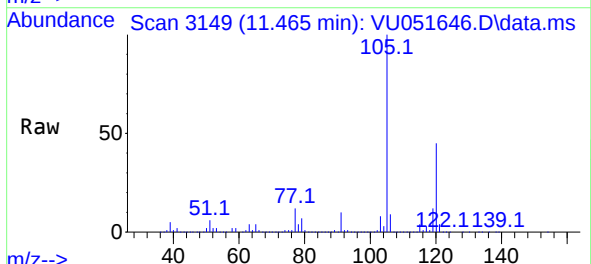


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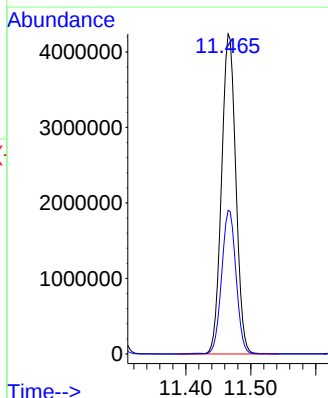
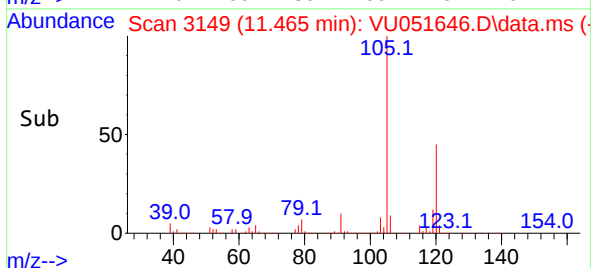
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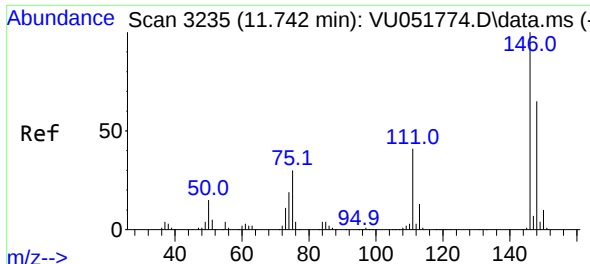


#63
1,2,4-Trimethylbenzene
Concen: 84.909 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13



Tgt Ion:105 Resp: 6423841
Ion Ratio Lower Upper
105 100
120 45.1 35.8 53.6





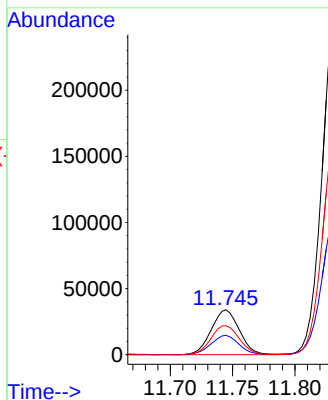
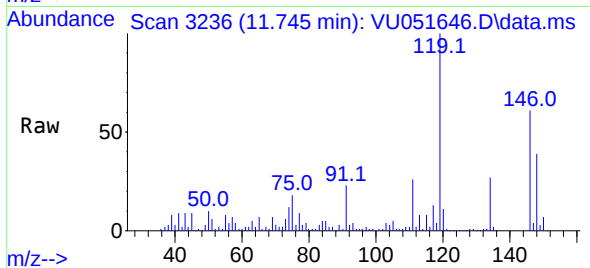
#64
1,3-Dichlorobenzene
Concen: 1.093 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Instrument :
MSVOA_U
ClientSampleId :
BHAA5

Tgt Ion:146 Resp: 53014
Ion Ratio Lower Upper
146 100
111 42.9 28.6 53.2
148 64.3 44.7 82.9

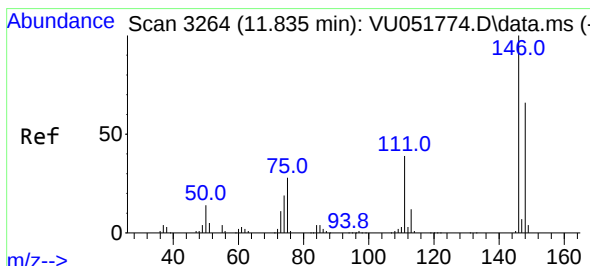
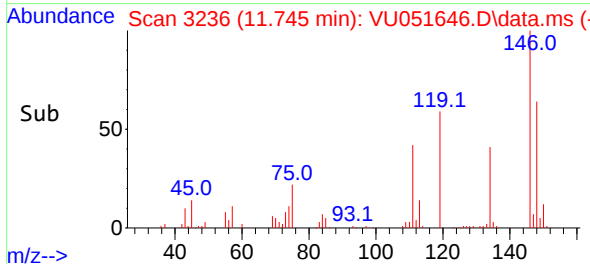
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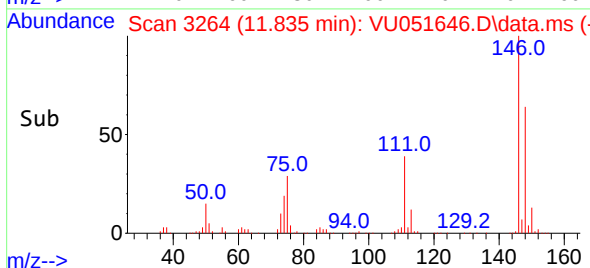
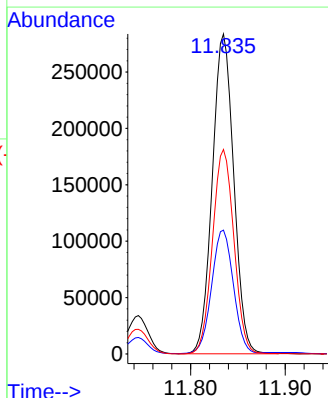
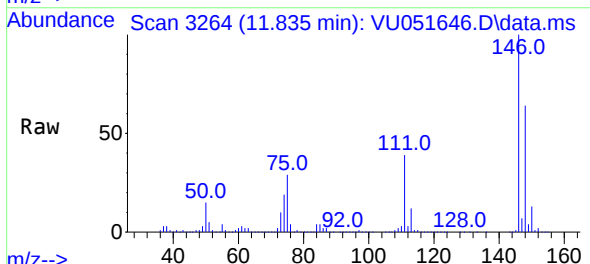
11/01/2022
Supervised By :Mahesh
Dadoda

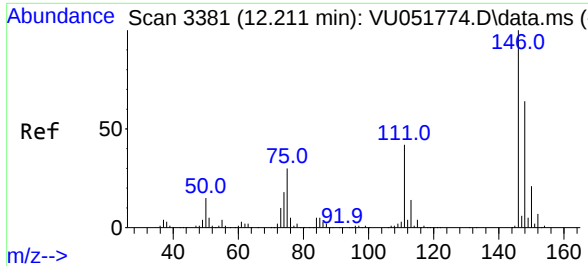
11/03/2022



#65
1,4-Dichlorobenzene
Concen: 9.176 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051646.D
Acq: 01 Nov 2022 06:13

Tgt Ion:146 Resp: 446408
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.5
148 63.9 43.5 80.9





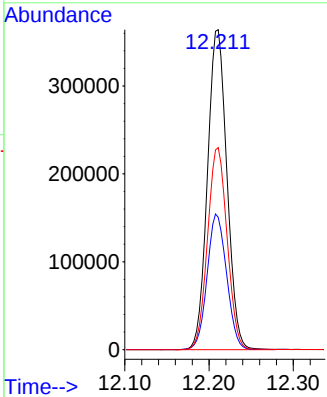
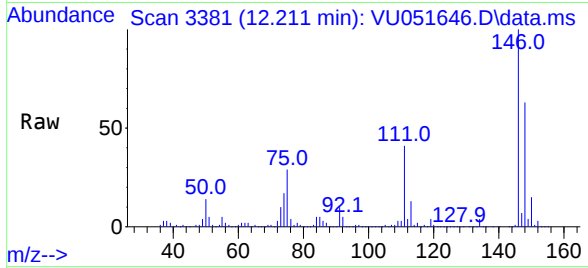
#67
 1,2-Dichlorobenzene
 Concen: 12.344 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051646.D
 Acq: 01 Nov 2022 06:13

Instrument : MSVOA_U
 ClientSampleId : BHAA5

Tgt Ion:146 Resp: 58339

Ion	Ratio	Lower	Upper
146	100		
111	41.4	34.2	51.2
148	63.1	50.1	75.1

Manual Integrations
APPROVED
 Reviewed By :Krupa Patel



11/01/2022
 Supervised By :Mahesh Dadoda

11/03/2022

