

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080422\
 Data File : U080422.D
 Acq On : 04 Aug 2022 18:31
 Operator : SY/MD
 Sample : N4022-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5D40

Quant Time: Aug 05 04:54:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	72077	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	73917	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32482	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	32285	5.382	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.600%
7) Chloroethane-d5	1.912	69	27341	5.650	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.000%
11) 1,1-Dichloroethene-d2	2.562	65	12608	5.378	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.600%
20) 2-Butanone-d5	4.642	46	92041	62.924	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.840%
24) Chloroform-d	5.063	84	62425	5.595	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.000%
26) 1,2-Dichloroethane-d4	5.707	65	33349	5.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.400%
32) Benzene-d6	5.726	84	127220	5.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.400%
36) 1,2-Dichloropropane-d6	6.694	67	43581	5.737	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.800%
41) Toluene-d8	7.899	98	103135	5.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.182	79	14921	5.482	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.600%
46) 2-Hexanone-d5	8.639	63	57557	59.628	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	39130	5.866	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	38787	6.095	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.800%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3844	0.496	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	389	0.082	ug/L #	22
13) Acetone	2.652	43	3512	4.311	ug/L	88
14) Carbon disulfide	2.787	76	3865	0.217	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	27627	2.125	ug/L	98
18) trans-1,2-Dichloroethene	3.356	96	1307	0.234	ug/L	76
22) cis-1,2-Dichloroethene	4.665	96	3549	0.573	ug/L	93
25) Chloroform	5.073	83	104	0.009	ug/L #	1
33) Benzene	5.774	78	22439	0.866	ug/L	100
34) Trichloroethene	6.546	95	1769	0.282	ug/L	93
37) 1,2-Dichloropropane	6.694	63	4205	0.610	ug/L #	89
39) cis-1,3-Dichloropropene	7.568	75	996	0.111	ug/L #	76
42) Toluene	7.970	91	63582	2.448	ug/L	98
48) 2-Hexanone	8.687	43	12714	4.114	ug/L #	89
52) Ethylbenzene	9.571	91	12390	0.489	ug/L	100
53) m,p-Xylene	9.693	106	14182	1.519	ug/L	93
54) o-Xylene	10.099	106	4460	0.479	ug/L	87
61) 1,2,3-Trichloropropane	11.812	75	4009	0.906	ug/L #	52
62) 1,3,5-Trimethylbenzene	11.089	105	2112	0.345	ug/L	91

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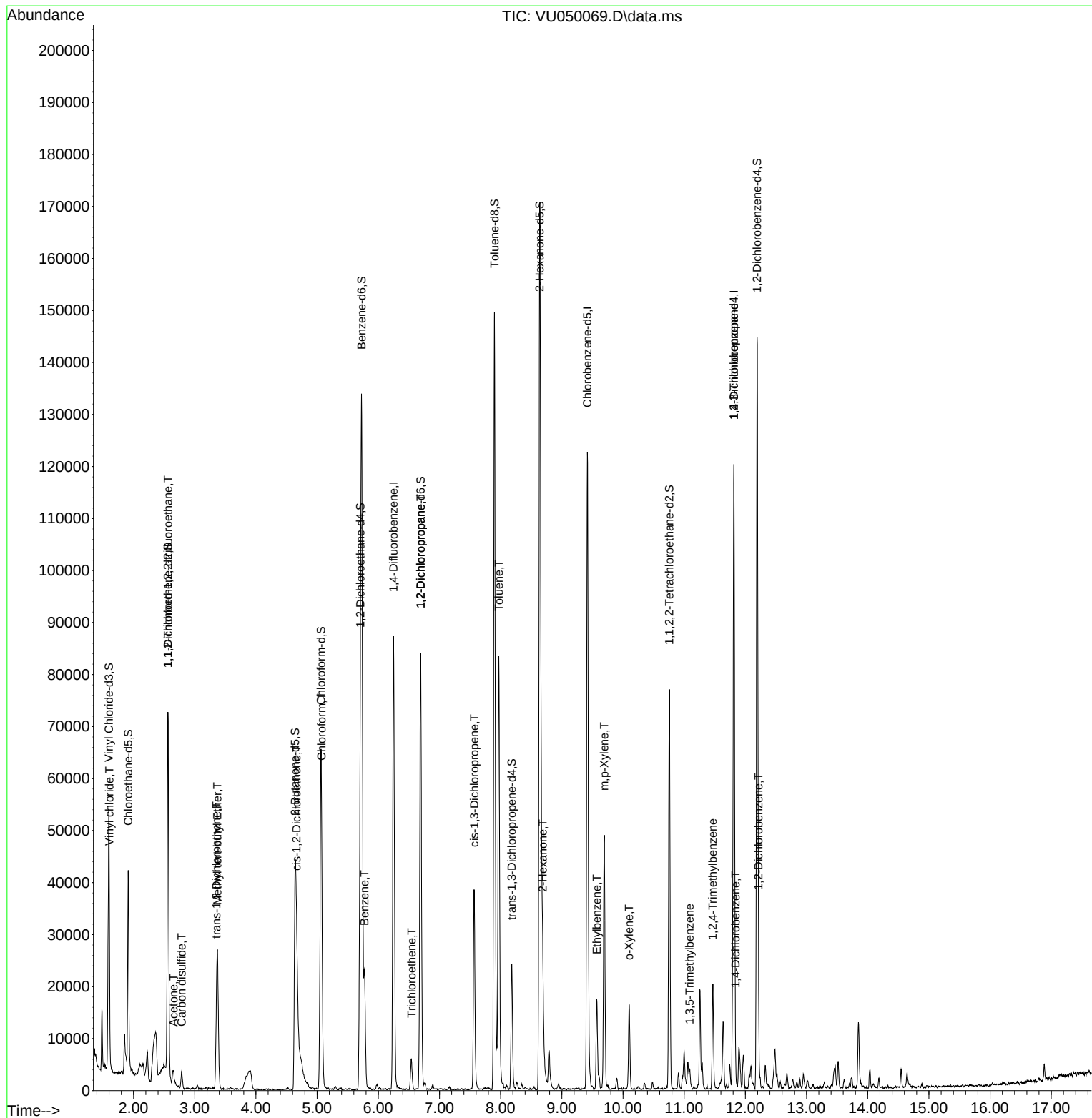
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	10305	0.617	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	868	0.082	ug/L	92
67) 1,2-Dichlorobenzene	12.214	146	898	0.085	ug/L	87

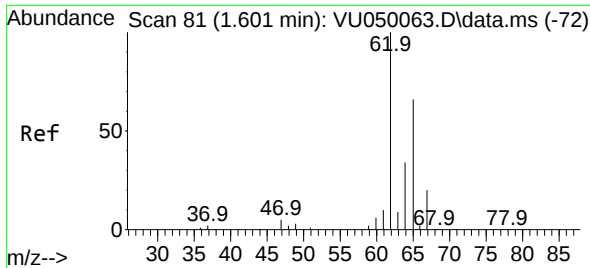
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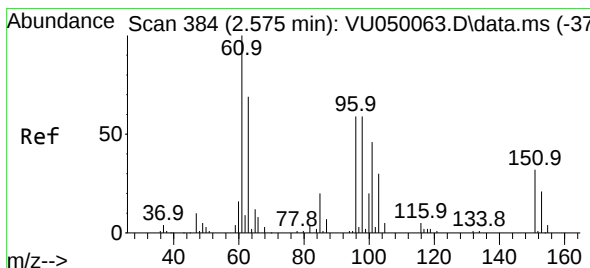
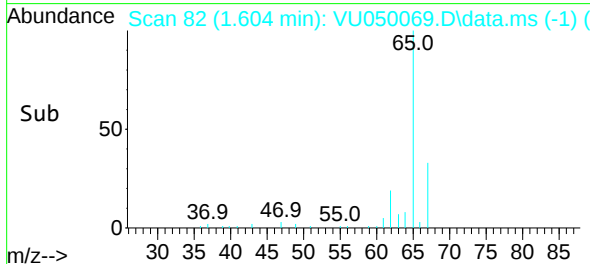
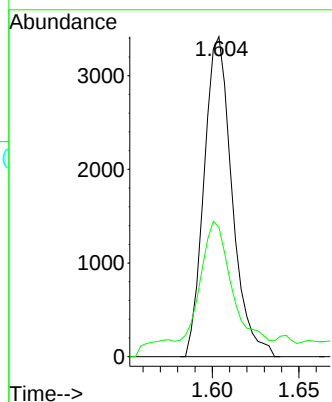
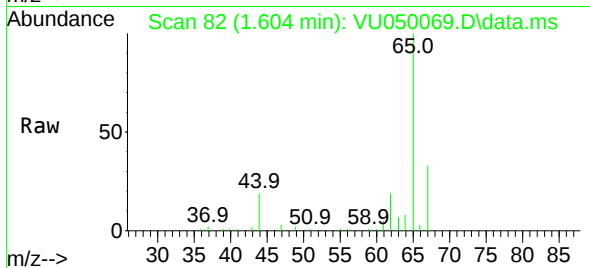




#5
 Vinyl chloride
 Concen: 0.496 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050069.D
 Acq: 04 Aug 2022 18:31

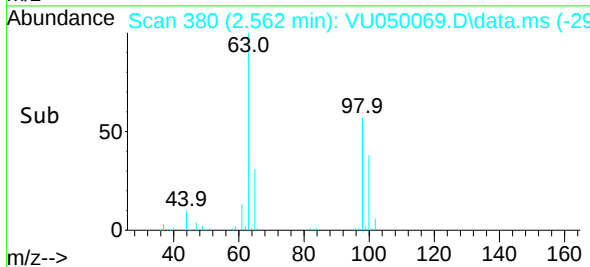
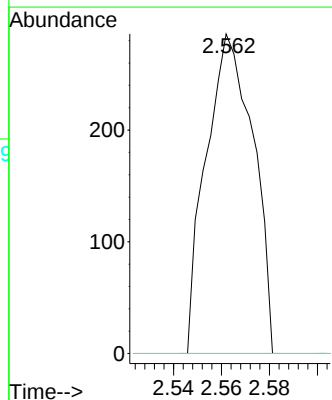
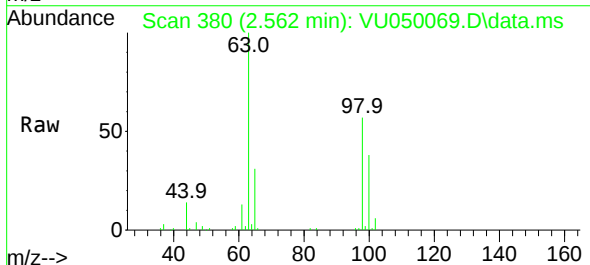
Instrument :
 MSVOA_U
 ClientSampleId :
 F5D40

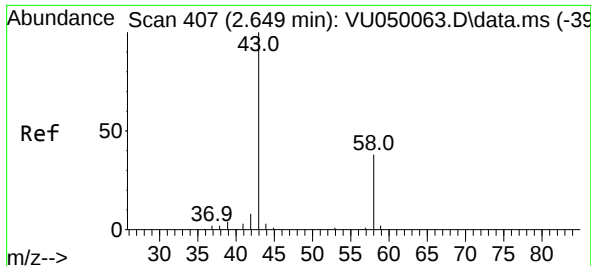
Tgt Ion: 62 Resp: 3844
 Ion Ratio Lower Upper
 62 100
 64 40.5 22.8 42.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.082 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU050069.D
 Acq: 04 Aug 2022 18:31

Tgt Ion: 101 Resp: 389
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 55.2 82.8#





#13

Acetone

Concen: 4.311 ug/L

RT: 2.652 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU050069.D

Acq: 04 Aug 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

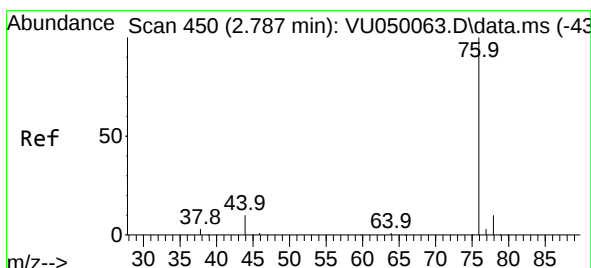
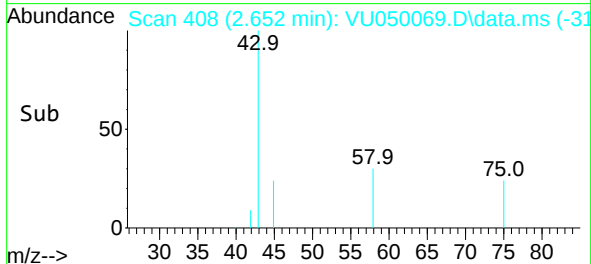
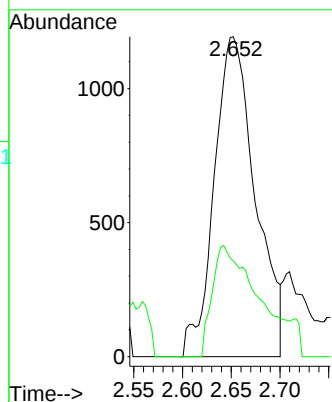
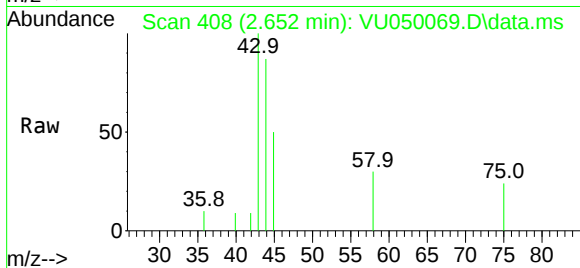
F5D40

Tgt Ion: 43 Resp: 3512

Ion Ratio Lower Upper

43 100

58 38.5 0.0 64.0



#14

Carbon disulfide

Concen: 0.217 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050069.D

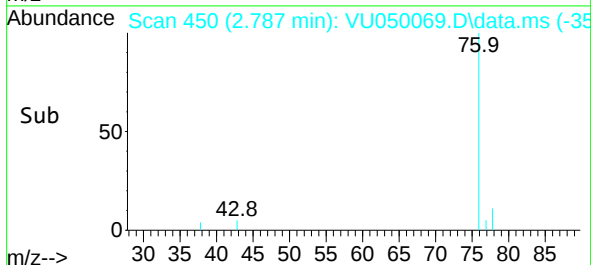
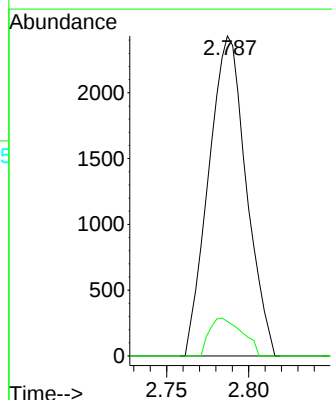
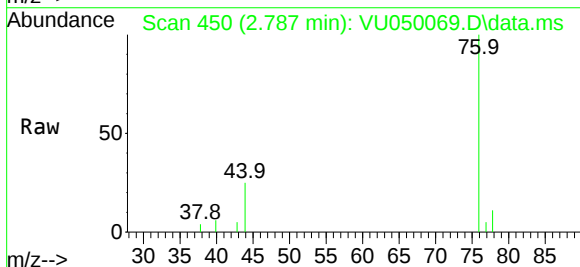
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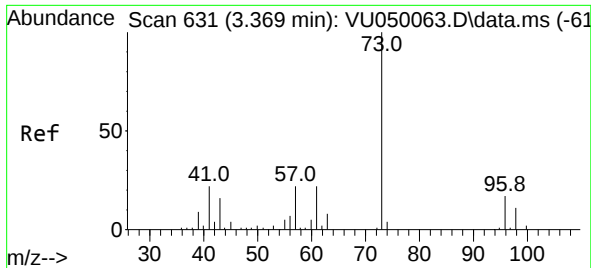
Tgt Ion: 76 Resp: 3865

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0

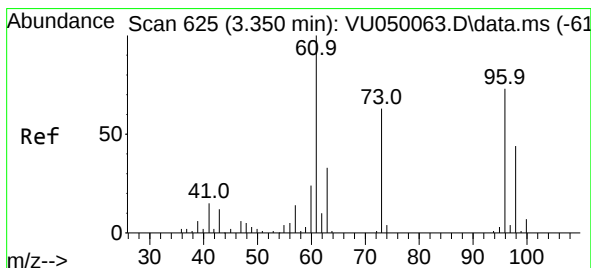
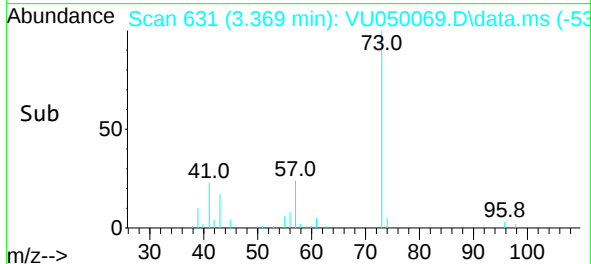
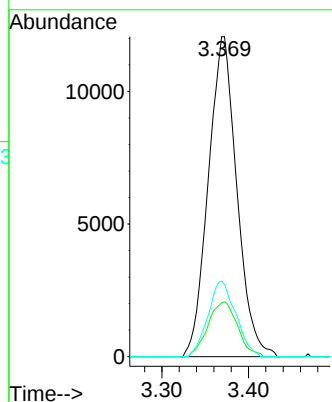
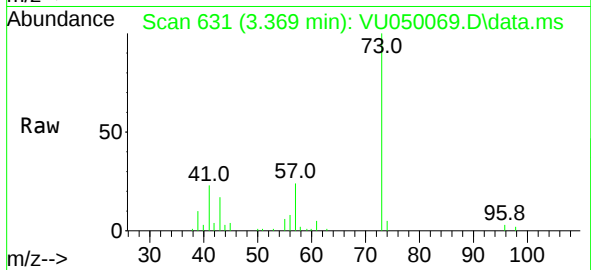




#17
Methyl tert-butyl Ether
Concen: 2.125 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

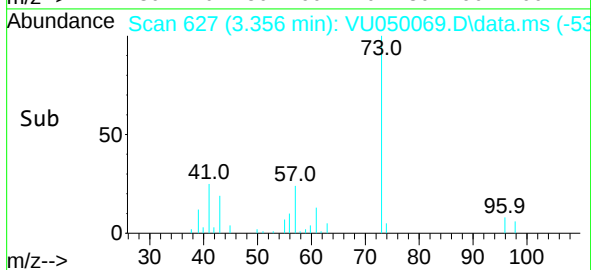
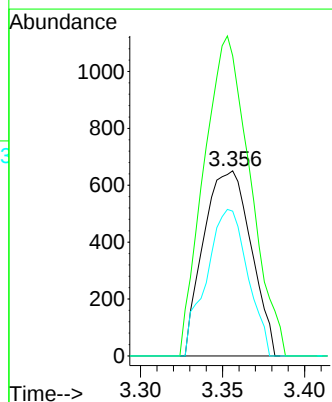
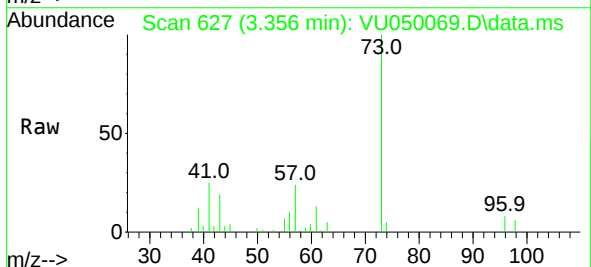
Instrument :
MSVOA_U
ClientSampleId :
F5D40

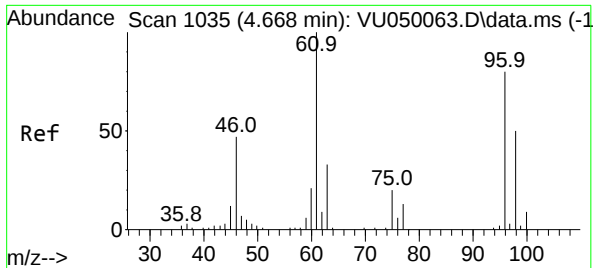
Tgt Ion: 73 Resp: 27627
Ion Ratio Lower Upper
73 100
43 17.8 13.5 20.3
57 23.0 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.006 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 96 Resp: 1307
Ion Ratio Lower Upper
96 100
61 162.1 92.3 171.5
98 78.2 43.2 80.2





#22

cis-1,2-Dichloroethene

Concen: 0.573 ug/L

RT: 4.665 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VU050069.D

Acq: 04 Aug 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

F5D40

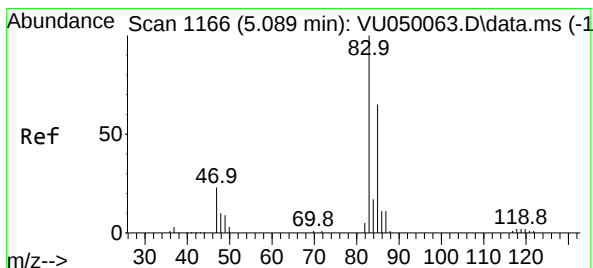
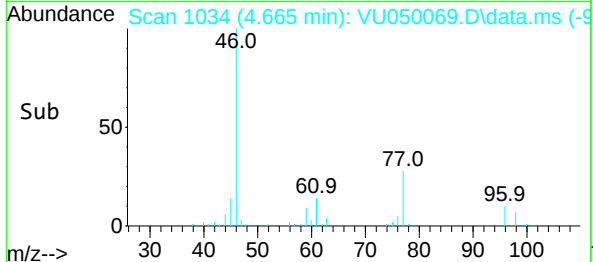
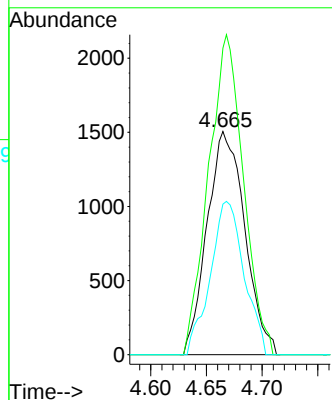
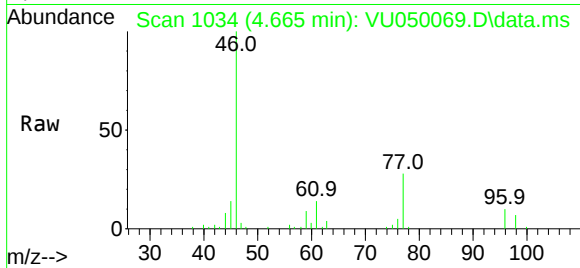
Tgt Ion: 96 Resp: 3549

Ion Ratio Lower Upper

96 100

61 137.3 89.0 165.4

98 67.5 45.2 84.0



#25

Chloroform

Concen: 0.009 ug/L

RT: 5.073 min Scan# 1161

Delta R.T. -0.016 min

Lab File: VU050069.D

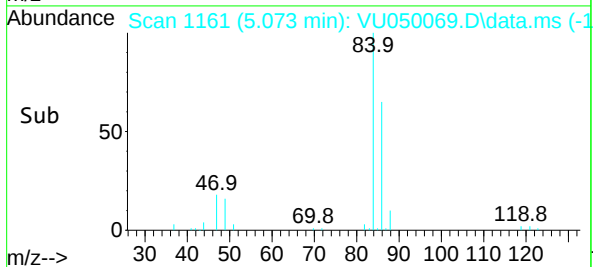
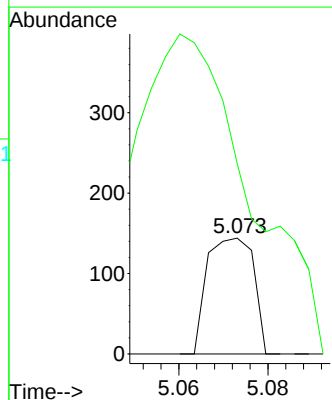
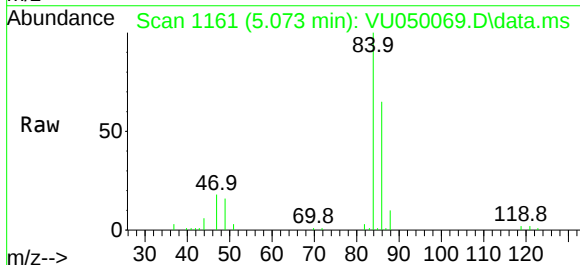
Acq: 04 Aug 2022 18:31

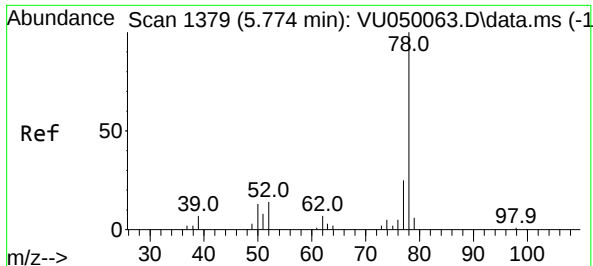
Tgt Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

85 164.6 46.1 85.5#

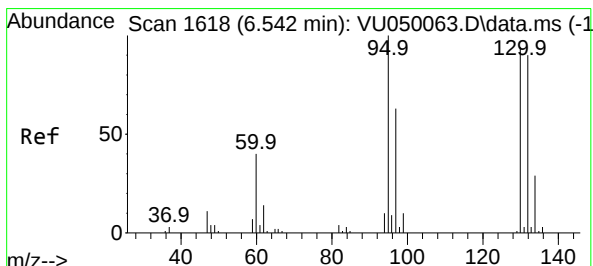
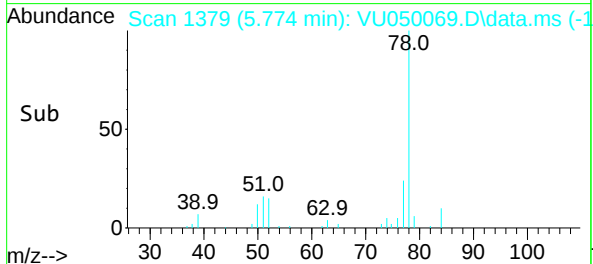
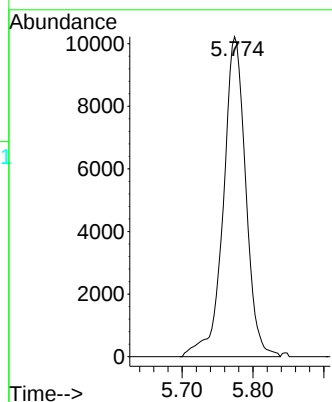
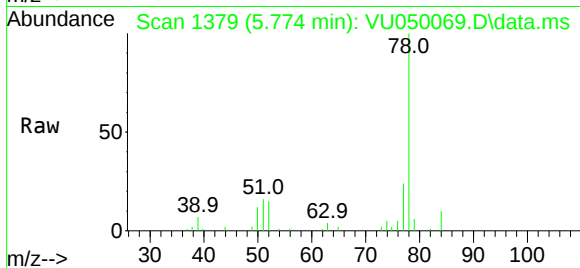




#33
Benzene
Concen: 0.866 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
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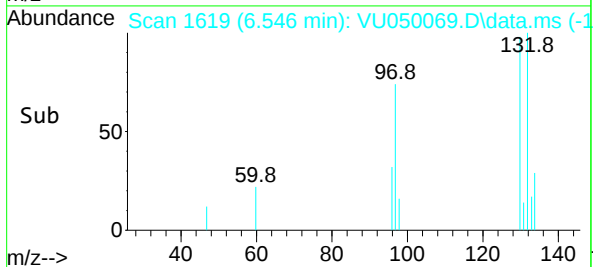
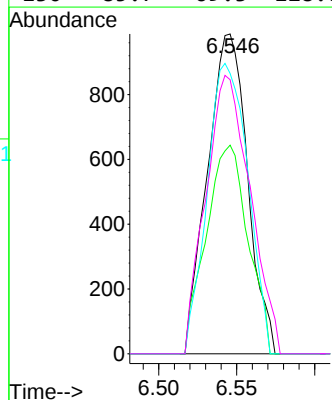
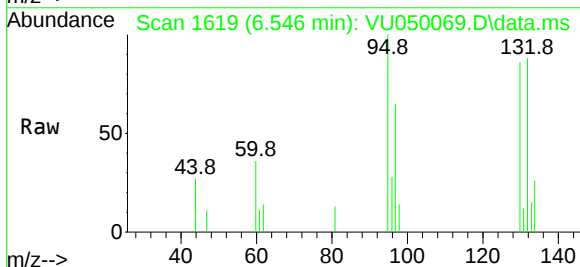
Tgt Ion: 78 Resp: 22439

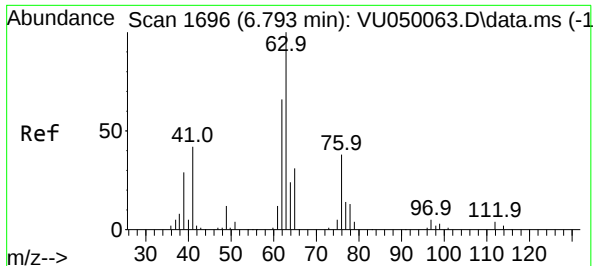


#34
Trichloroethene
Concen: 0.282 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 95 Resp: 1769

Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.6	84.8
132	87.6	65.0	120.6
130	85.7	69.3	128.7

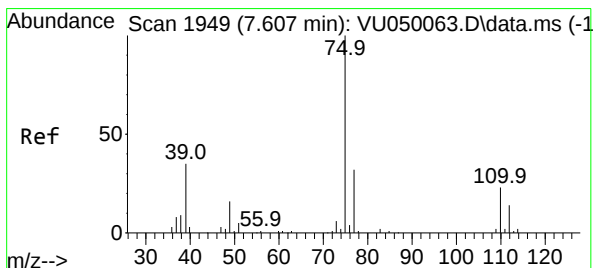
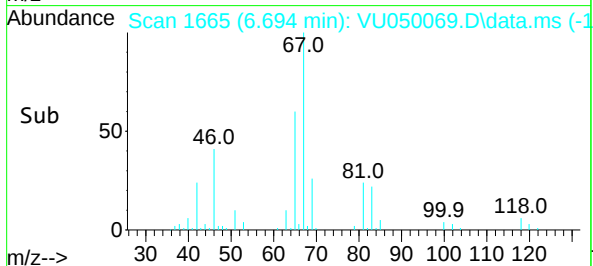
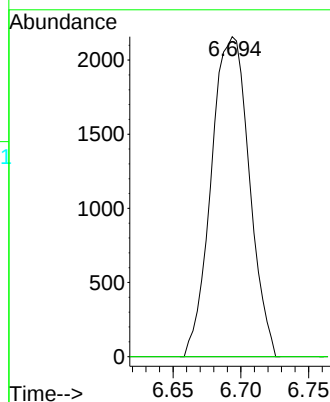
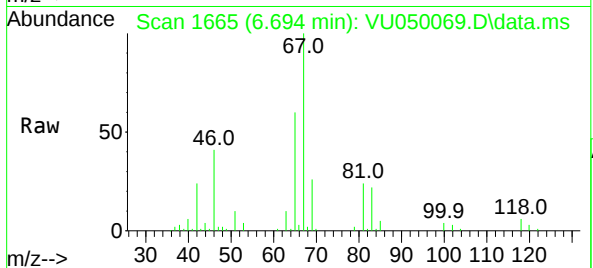




#37
1,2-Dichloropropane
Concen: 0.610 ug/L
RT: 6.694 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

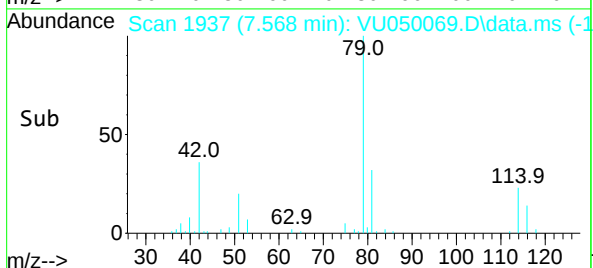
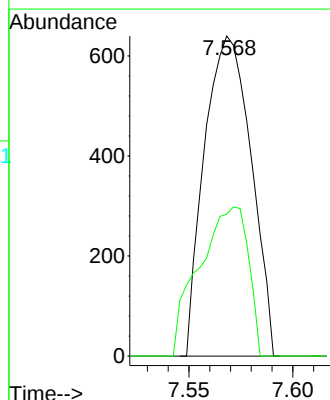
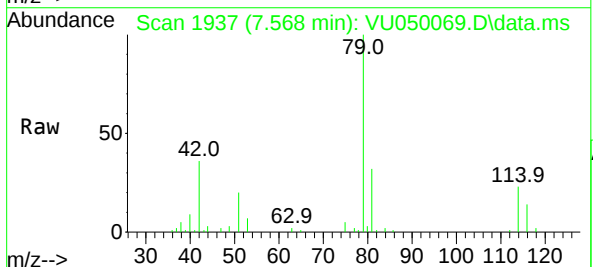
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ClientSampleId :
F5D40

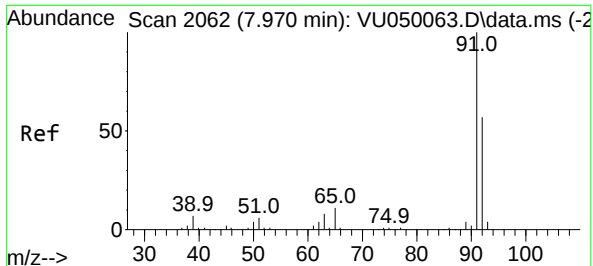
Tgt Ion: 63 Resp: 4205
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.039 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 75 Resp: 996
Ion Ratio Lower Upper
75 100
77 44.4 21.8 40.4#

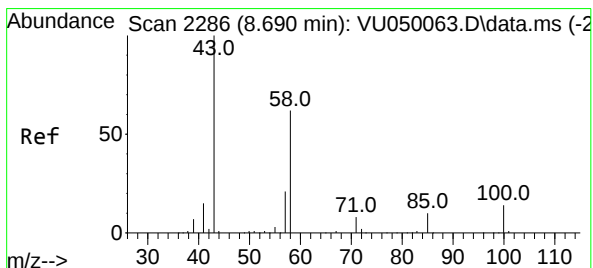
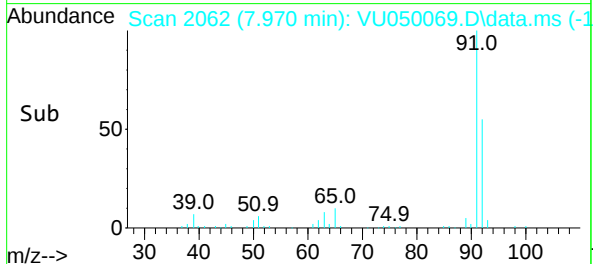
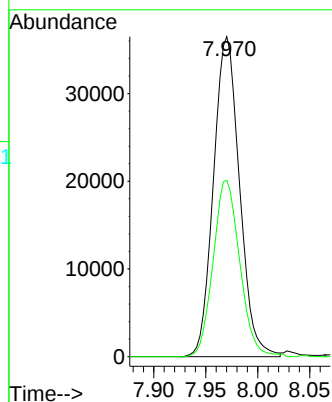
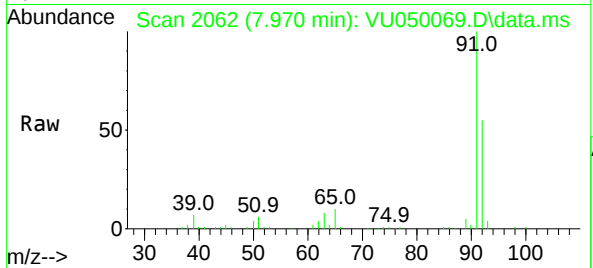




#42
Toluene
Concen: 2.448 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

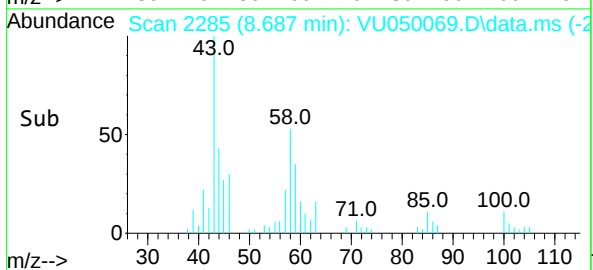
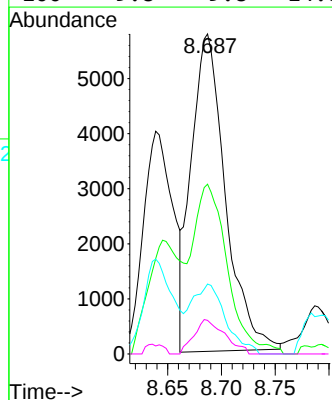
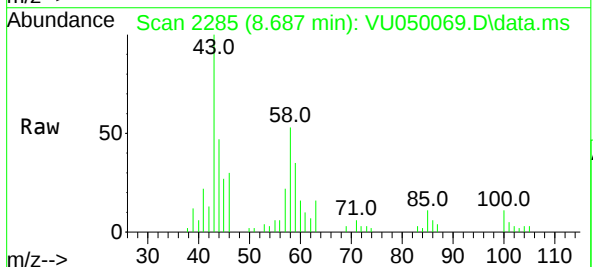
Instrument :
MSVOA_U
ClientSampleId :
F5D40

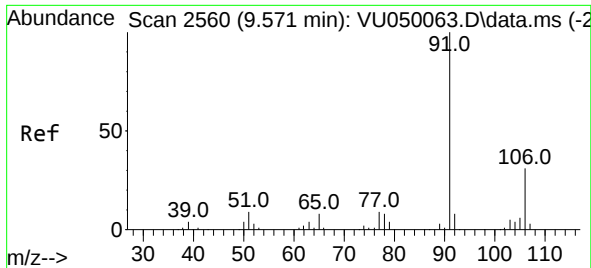
Tgt Ion: 91 Resp: 63582
Ion Ratio Lower Upper
91 100
92 55.1 39.8 74.0



#48
2-Hexanone
Concen: 4.114 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 43 Resp: 12714
Ion Ratio Lower Upper
43 100
58 52.4 50.6 76.0
57 22.1 16.0 24.0
100 9.8 9.8 14.8

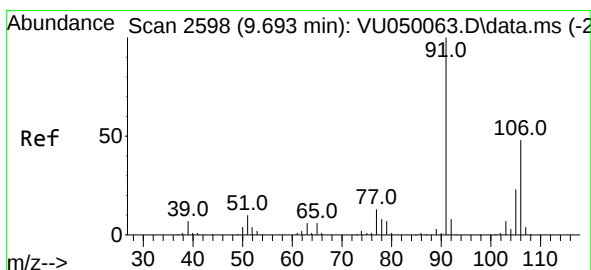
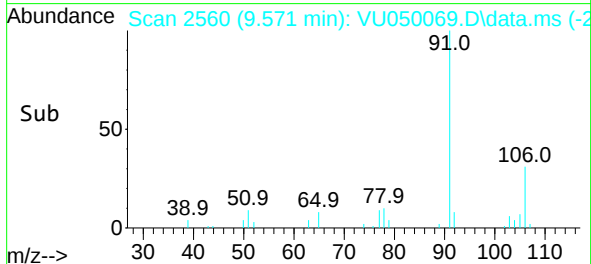
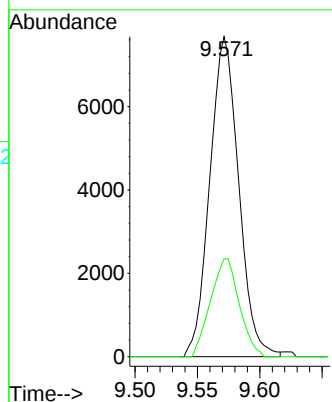
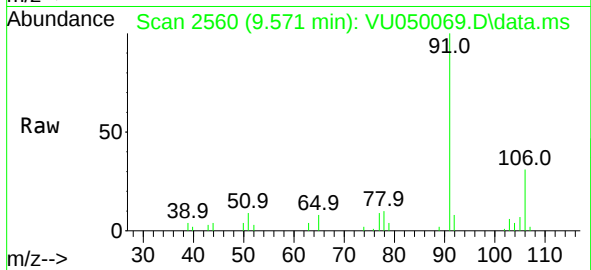




#52
Ethylbenzene
Concen: 0.489 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

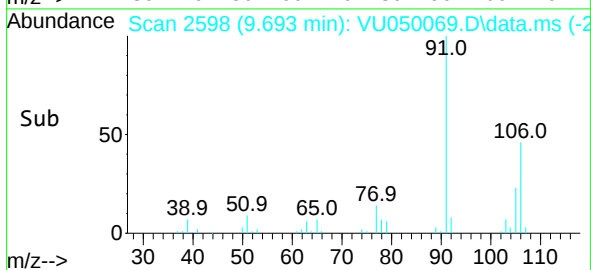
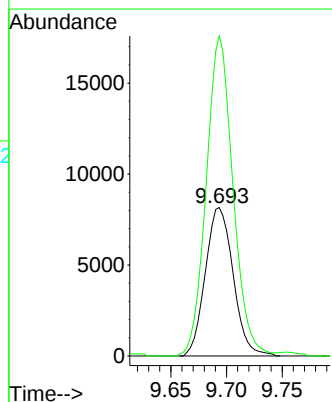
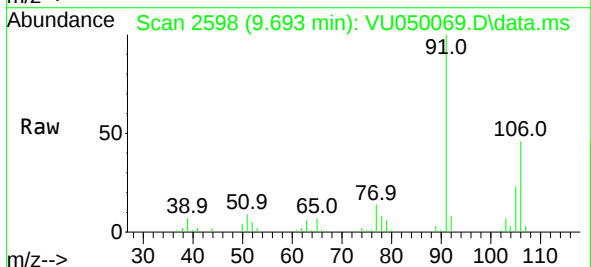
Instrument :
MSVOA_U
ClientSampleId :
F5D40

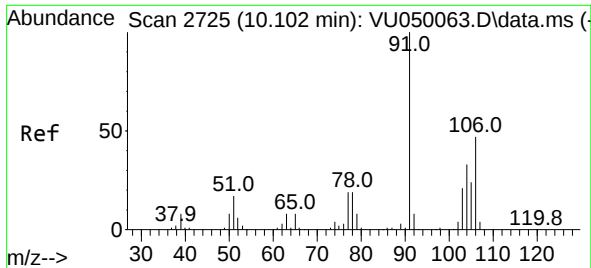
Tgt Ion: 91 Resp: 12390
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.5



#53
m,p-Xylene
Concen: 1.519 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 106 Resp: 14182
Ion Ratio Lower Upper
106 100
91 215.4 143.1 265.9

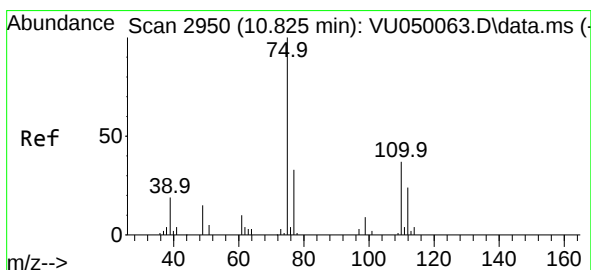
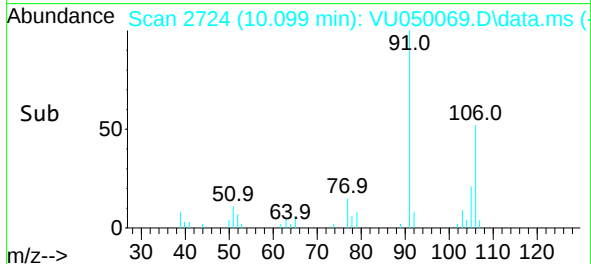
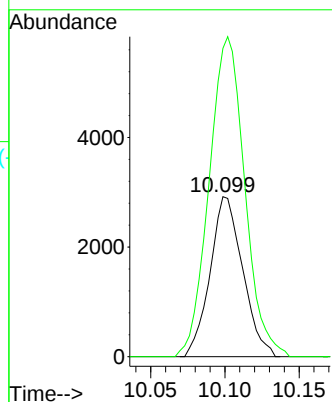
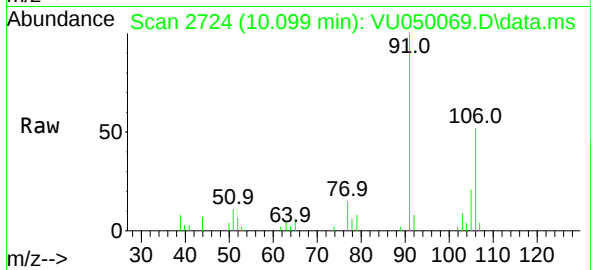




#54
o-Xylene
Concen: 0.479 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

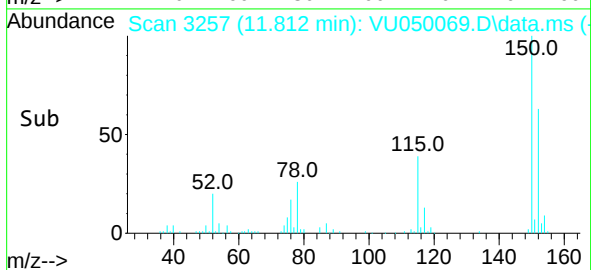
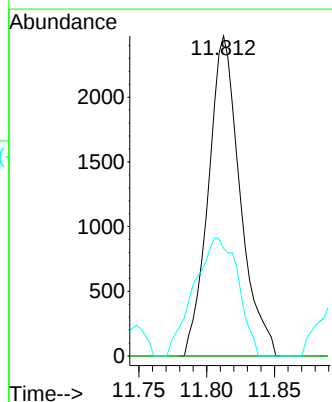
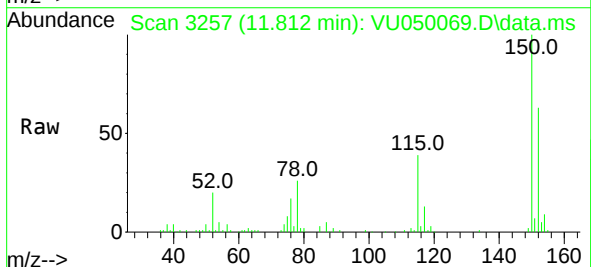
Instrument :
MSVOA_U
ClientSampleId :
F5D40

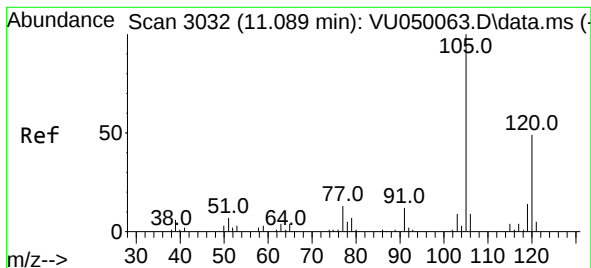
Tgt Ion:106 Resp: 4460
Ion Ratio Lower Upper
106 100
91 192.6 149.4 277.4



#61
1,2,3-Trichloropropane
Concen: 0.906 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion: 75 Resp: 4009
Ion Ratio Lower Upper
75 100
110 0.0 28.5 42.7#
77 51.4 25.8 38.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.345 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050069.D

Acq: 04 Aug 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

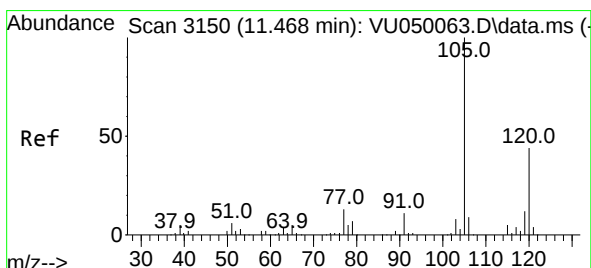
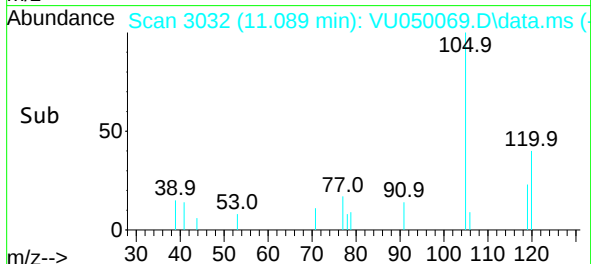
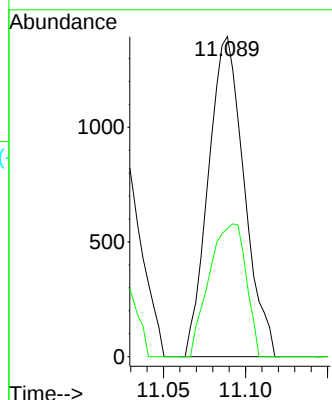
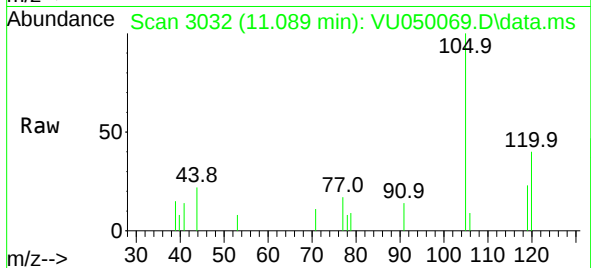
F5D40

Tgt Ion:105 Resp: 2112

Ion Ratio Lower Upper

105 100

120 42.5 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 0.617 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050069.D

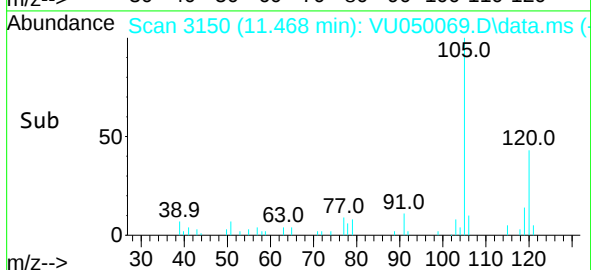
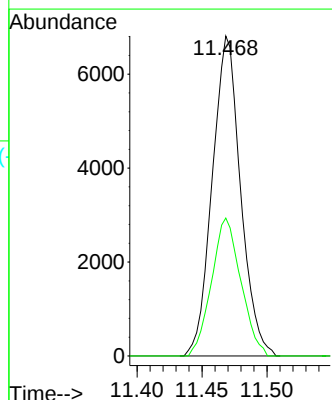
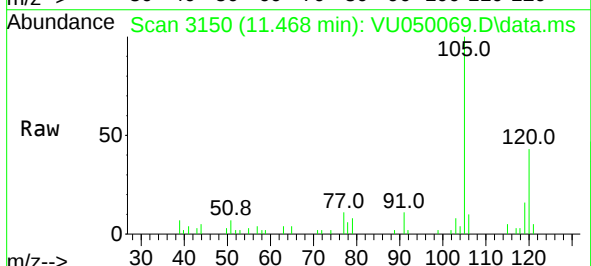
Acq: 04 Aug 2022 18:31

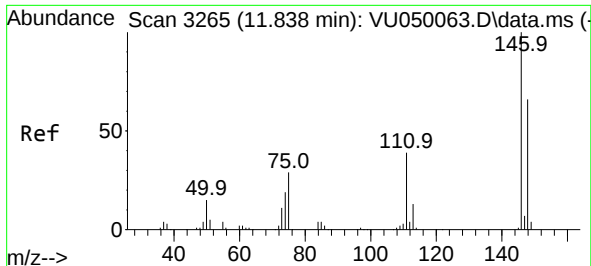
Tgt Ion:105 Resp: 10305

Ion Ratio Lower Upper

105 100

120 44.6 35.9 53.9

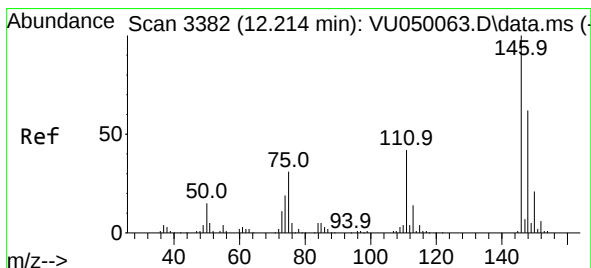
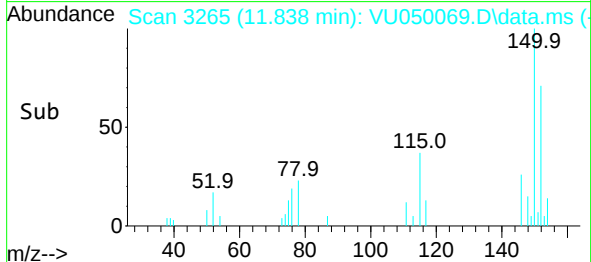
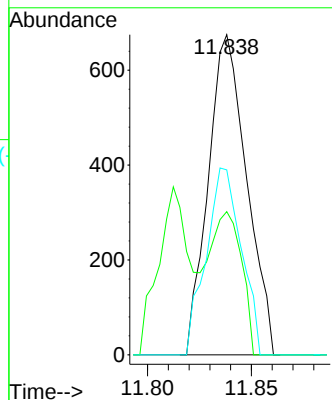
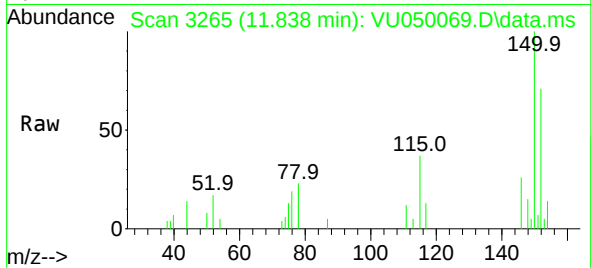




#65
1,4-Dichlorobenzene
Concen: 0.082 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Instrument :
MSVOA_U
ClientSampleId :
F5D40

Tgt Ion:146	Resp:	868	
Ion	Ratio	Lower	Upper
146	100		
111	44.7	28.1	52.1
148	57.8	44.6	82.8



#67
1,2-Dichlorobenzene
Concen: 0.085 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU050069.D
Acq: 04 Aug 2022 18:31

Tgt Ion:146	Resp:	898	
Ion	Ratio	Lower	Upper
146	100		
111	47.1	32.9	49.3
148	75.4	50.4	75.6

