

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
 Data File : VU050079.D
 Acq On : 04 Aug 2022 22:36
 Operator : SY/MD
 Sample : N4027-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG7

Quant Time: Aug 05 04:57:42 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	72807	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	72302	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	29274	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31070	5.128	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.912	69	26089	5.337	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.565	65	12179	5.143	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.633	46	96453	65.279	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.560%#
24) Chloroform-d	5.063	84	63844	5.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.200%
26) 1,2-Dichloroethane-d4	5.703	65	33512	5.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.800%
32) Benzene-d6	5.729	84	123737	5.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.600%
36) 1,2-Dichloropropane-d6	6.694	67	43358	5.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.800%
41) Toluene-d8	7.899	98	102611	5.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
43) trans-1,3-Dichloroprop...	8.179	79	14214	5.339	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.800%
46) 2-Hexanone-d5	8.636	63	57034	60.406	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.820%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37931	5.813	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	35296	6.154	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	905	0.116	ug/L #	24
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	507	0.106	ug/L	91
12) 1,1-Dichloroethene	2.578	96	2637	0.524	ug/L #	1
13) Acetone	2.646	43	7275	8.841	ug/L	96
17) Methyl tert-butyl Ether	3.363	73	2636	0.201	ug/L #	83
18) trans-1,2-Dichloroethene	3.353	96	684	0.121	ug/L	91
19) 1,1-Dichloroethane	3.867	63	10787	1.011	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	43767	6.998	ug/L	98
25) Chloroform	5.089	83	41200	3.622	ug/L	98
27) 1,2-Dichloroethane	5.797	62	1663	0.240	ug/L #	73
31) Carbon tetrachloride	5.523	117	28549	3.927	ug/L	99
34) Trichloroethene	6.543	95	203093	33.149	ug/L	99
35) Methylcyclohexane	6.690	83	9797	1.239	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	4306	0.638	ug/L #	89
39) cis-1,3-Dichloropropene	7.568	75	878	0.100	ug/L #	49
47) Tetrachloroethene	8.555	164	6016	1.370	ug/L	94
48) 2-Hexanone	8.687	43	13526	4.475	ug/L #	84
49) Dibromochloromethane	8.552	129	5721	1.025	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3424	0.859	ug/L #	66

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Response via : Initial Calibration

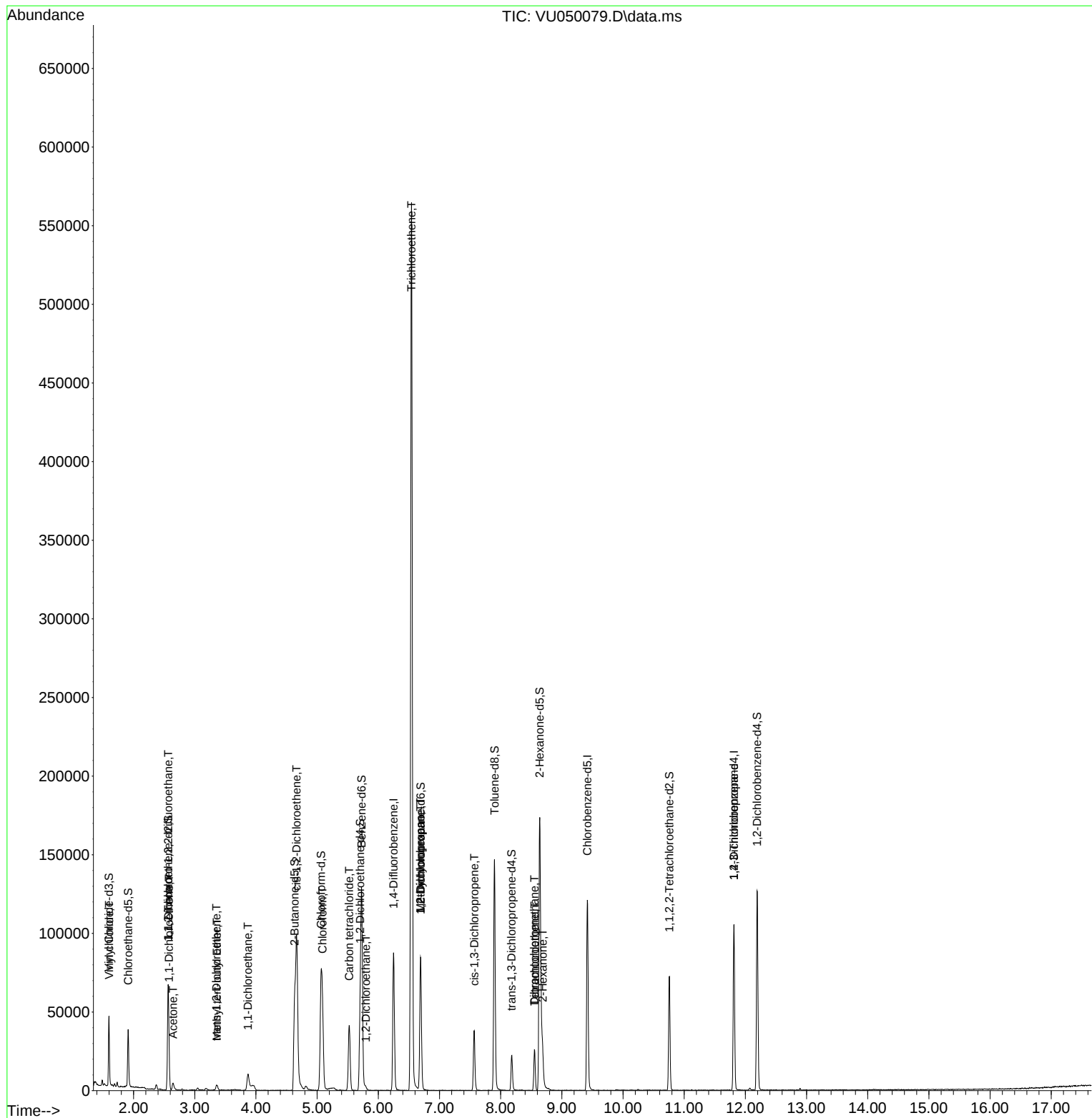
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

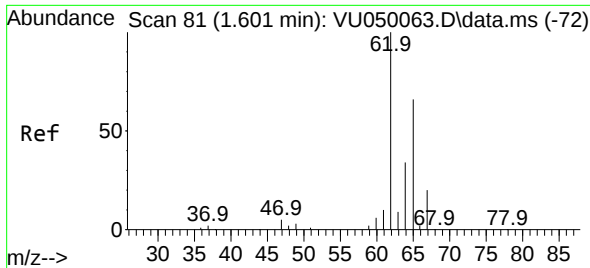
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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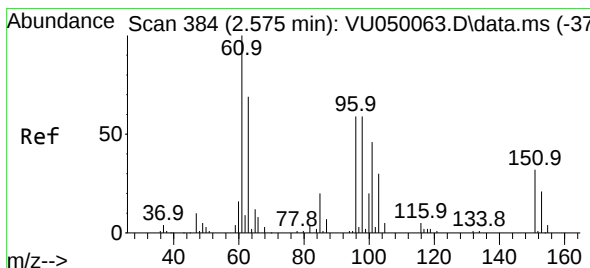
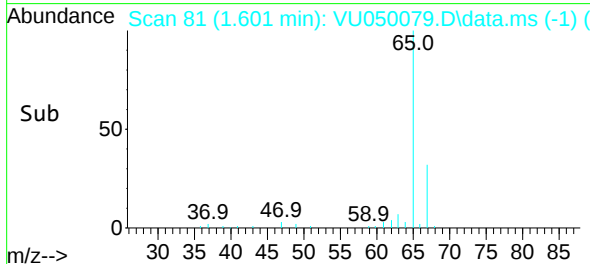
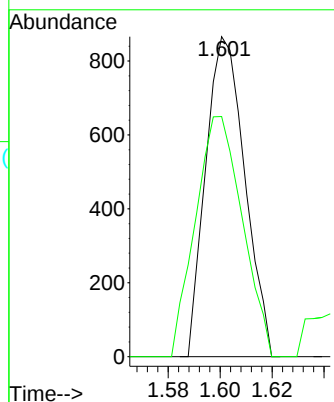
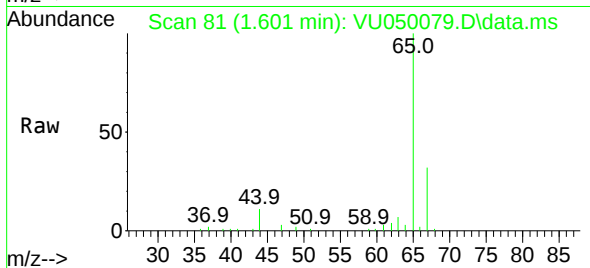




#5
 Vinyl chloride
 Concen: 0.116 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050079.D
 Acq: 04 Aug 2022 22:36

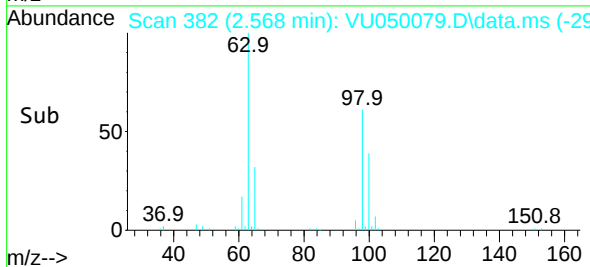
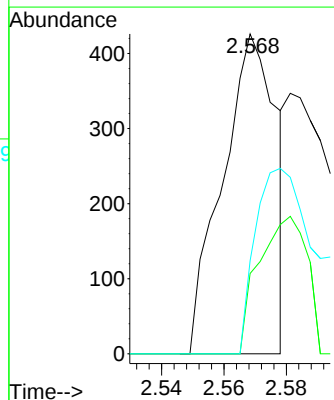
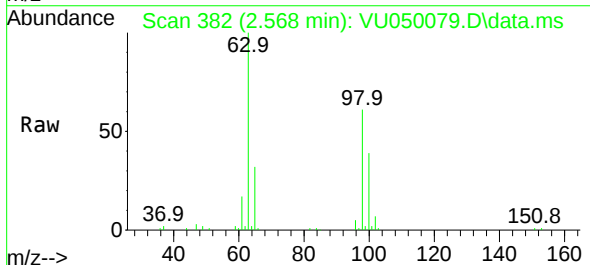
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG7

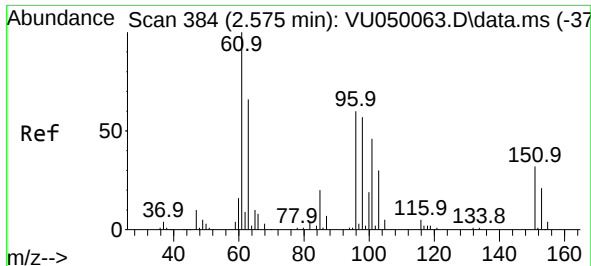
Tgt Ion: 62 Resp: 905
 Ion Ratio Lower Upper
 62 100
 64 75.1 22.8 42.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.106 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.006 min
 Lab File: VU050079.D
 Acq: 04 Aug 2022 22:36

Tgt Ion: 101 Resp: 507
 Ion Ratio Lower Upper
 101 100
 85 38.7 35.6 53.4
 151 62.3 55.2 82.8





#12

1,1-Dichloroethene

Concen: 0.524 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

GBJG7

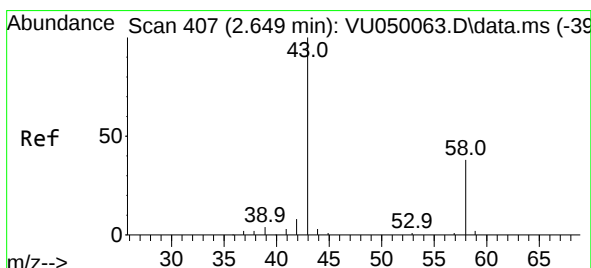
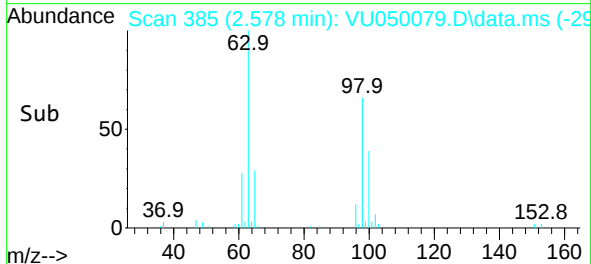
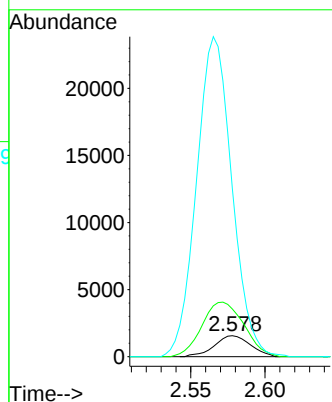
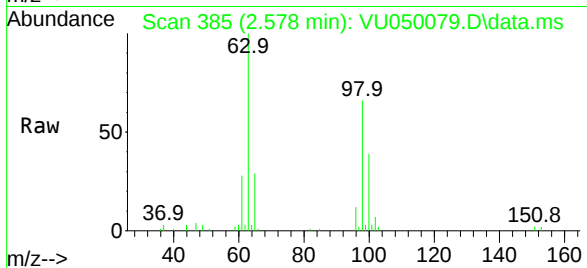
Tgt Ion: 96 Resp: 2637

Ion Ratio Lower Upper

96 100

61 227.5 122.7 227.9

63 801.6 85.1 158.1#



#13

Acetone

Concen: 8.841 ug/L

RT: 2.646 min Scan# 406

Delta R.T. -0.003 min

Lab File: VU050079.D

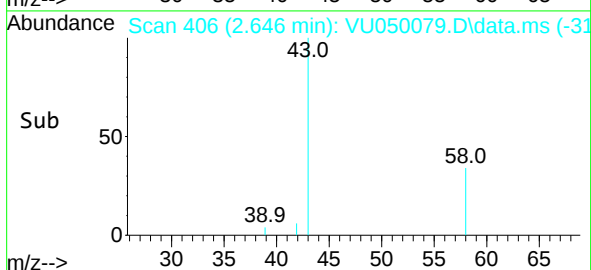
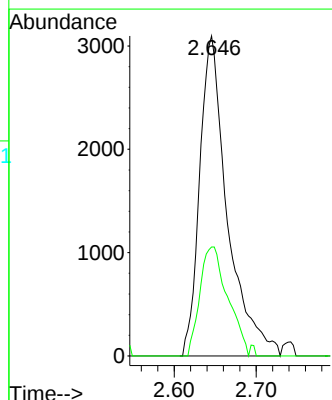
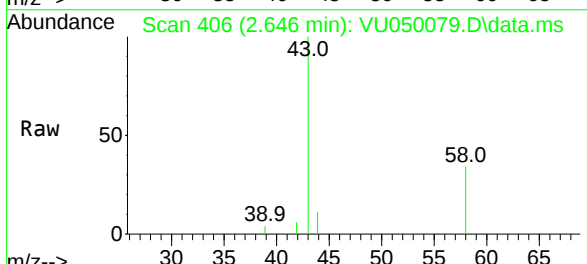
Acq: 04 Aug 2022 22:36

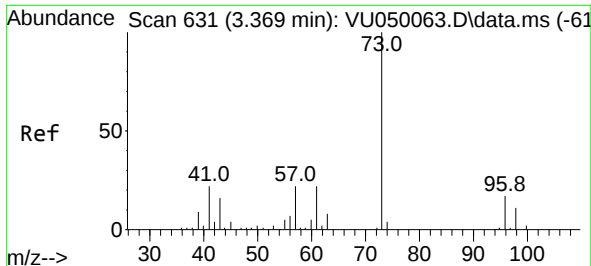
Tgt Ion: 43 Resp: 7275

Ion Ratio Lower Upper

43 100

58 34.3 0.0 64.0





#17

Methyl tert-butyl Ether

Concen: 0.201 ug/L

RT: 3.363 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

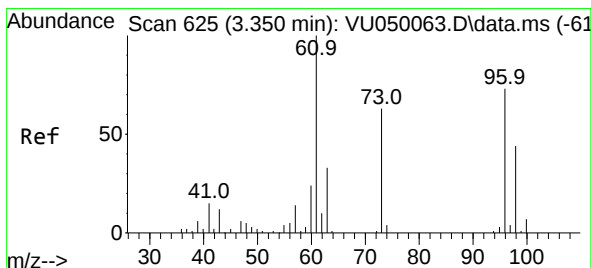
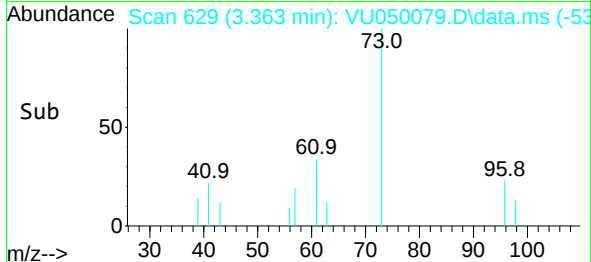
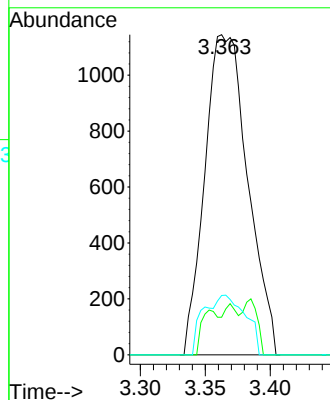
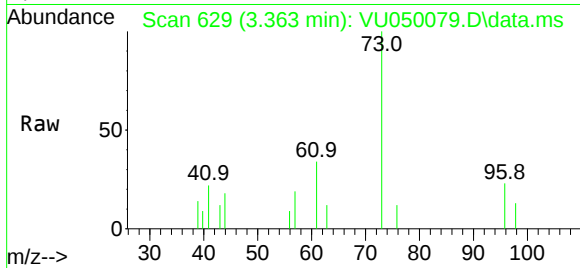
Instrument :

MSVOA_U

ClientSampleId :

GBJG7

Tgt Ion: 73	Resp:	2636
Ion	Ratio	Lower Upper
73	100	
43	4.7	13.5 20.3#
57	18.2	17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 0.121 ug/L

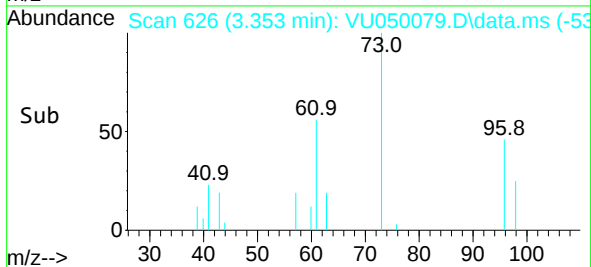
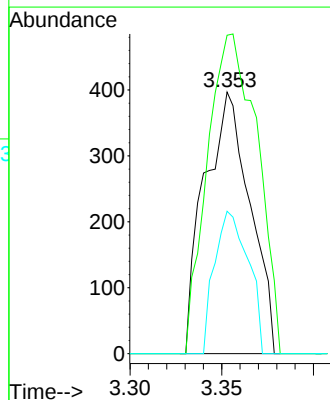
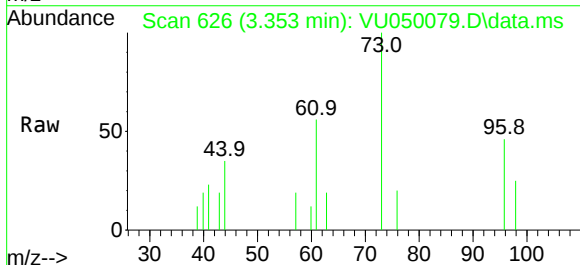
RT: 3.353 min Scan# 626

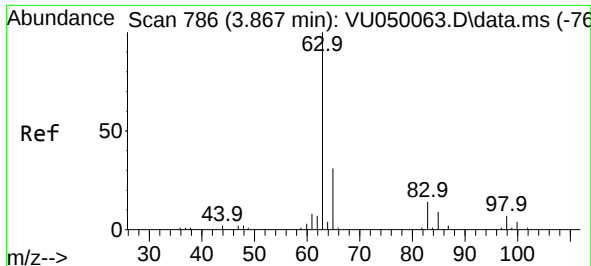
Delta R.T. 0.003 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Tgt Ion: 96	Resp:	684
Ion	Ratio	Lower Upper
96	100	
61	121.7	92.3 171.5
98	54.4	43.2 80.2

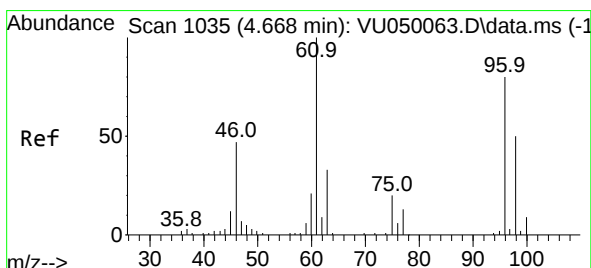
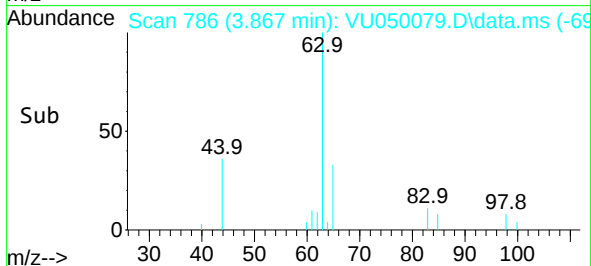
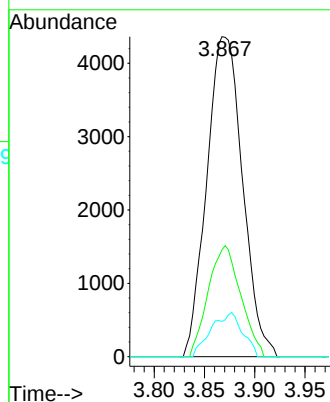
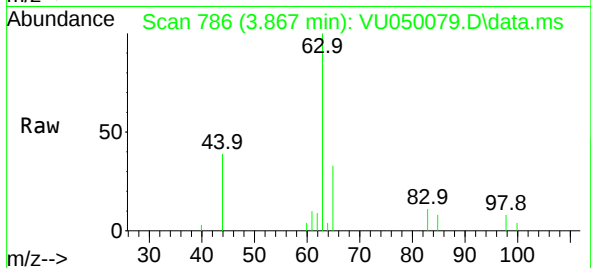




#19
1,1-Dichloroethane
Concen: 1.011 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

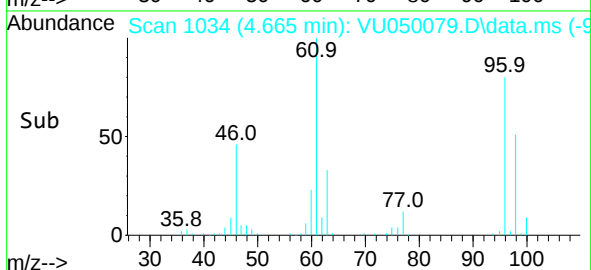
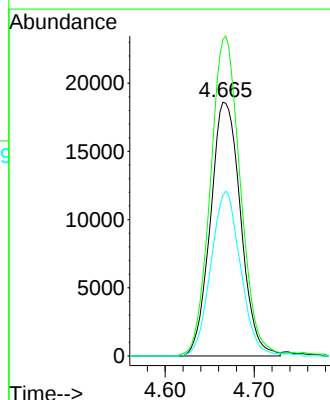
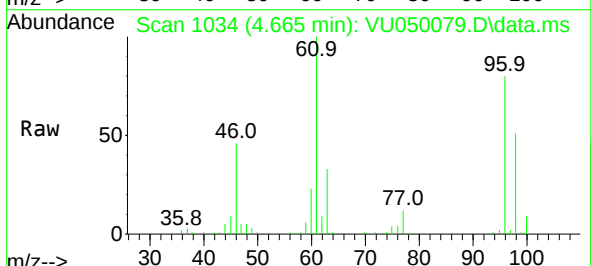
Instrument :
MSVOA_U
ClientSampleId :
GBJG7

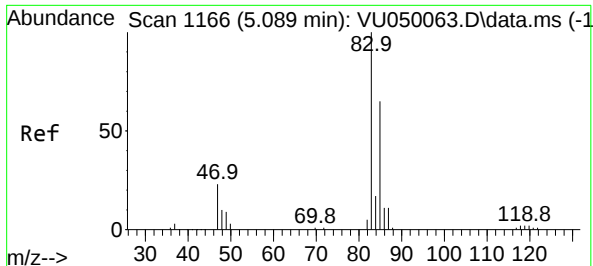
Tgt Ion: 63 Resp: 10787
Ion Ratio Lower Upper
63 100
65 33.3 22.7 42.3
83 11.0 9.8 18.2



#22
cis-1,2-Dichloroethene
Concen: 6.998 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

Tgt Ion: 96 Resp: 43767
Ion Ratio Lower Upper
96 100
61 124.7 89.0 165.4
98 63.3 45.2 84.0





#25

Chloroform

Concen: 3.622 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

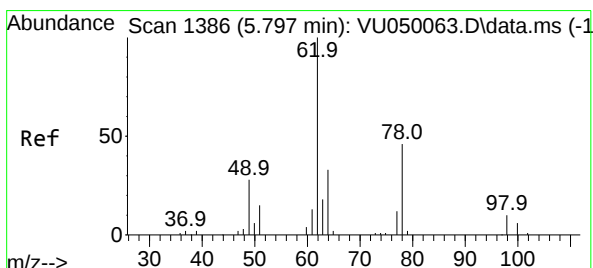
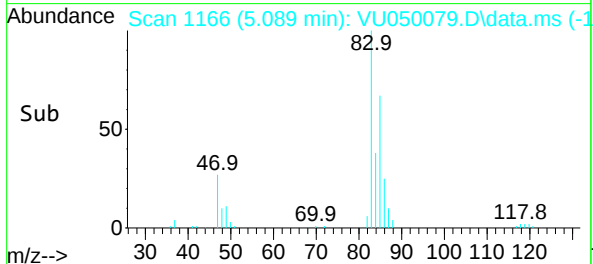
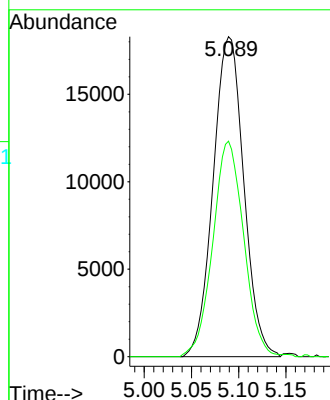
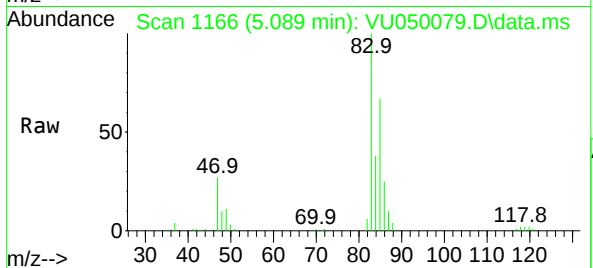
GBJG7

Tgt Ion: 83 Resp: 41200

Ion Ratio Lower Upper

83 100

85 67.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 0.240 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050079.D

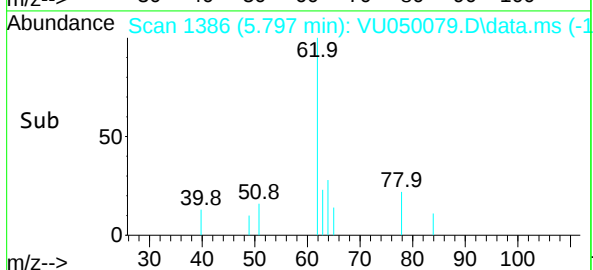
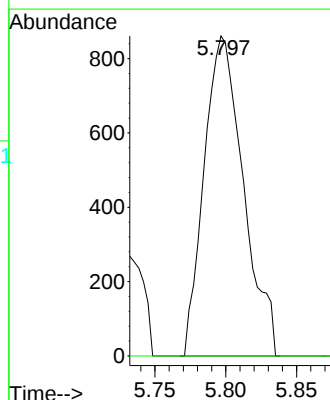
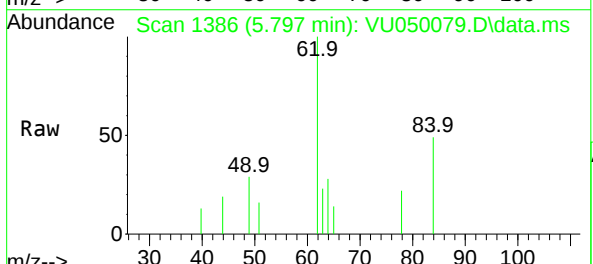
Acq: 04 Aug 2022 22:36

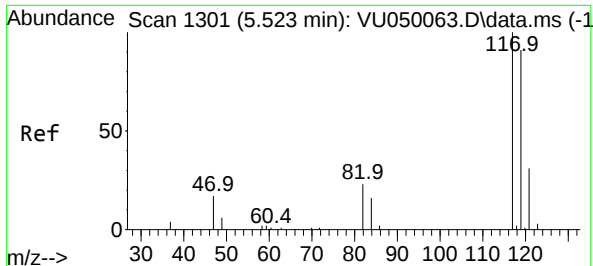
Tgt Ion: 62 Resp: 1663

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#

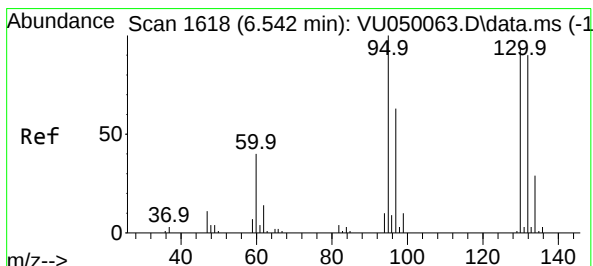
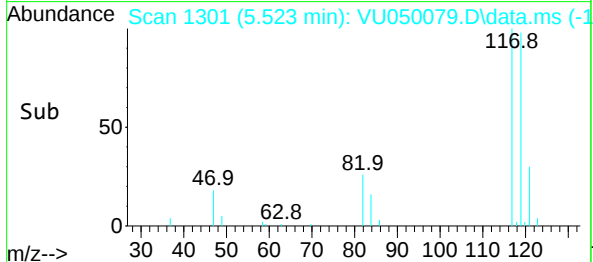
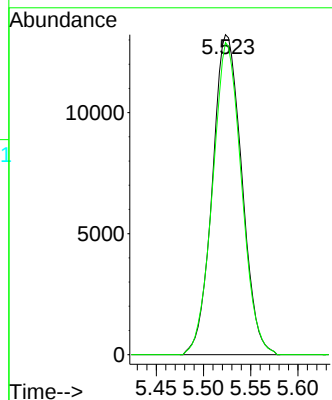
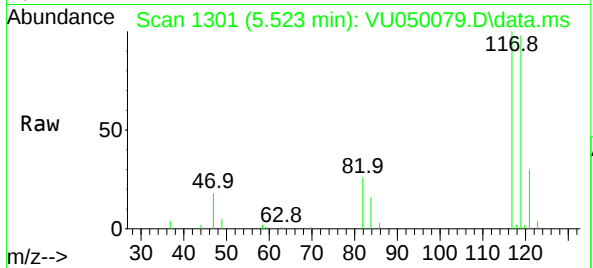




#31
Carbon tetrachloride
Concen: 3.927 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

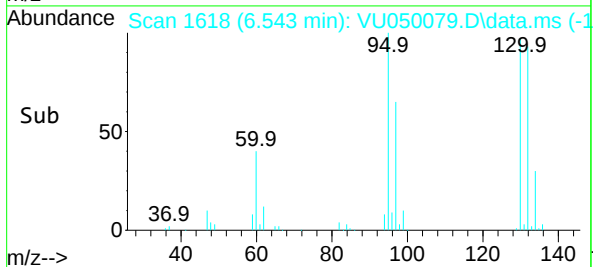
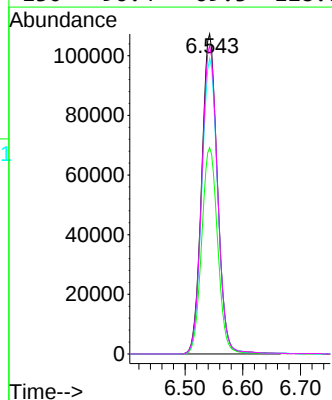
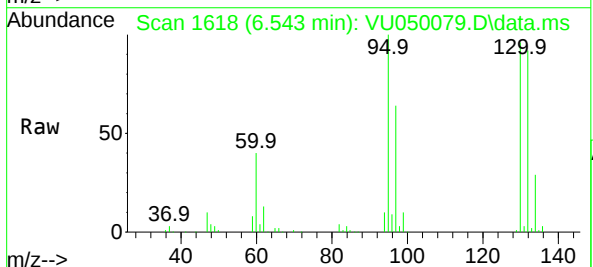
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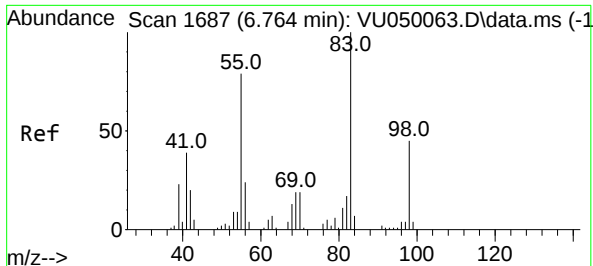
Tgt Ion:117 Resp: 28549
Ion Ratio Lower Upper
117 100
119 96.0 76.0 114.0



#34
Trichloroethene
Concen: 33.149 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

Tgt Ion: 95 Resp: 203093
Ion Ratio Lower Upper
95 100
97 64.5 45.6 84.8
132 92.3 65.0 120.6
130 96.4 69.3 128.7





#35

Methylcyclohexane

Concen: 1.239 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

GBJG7

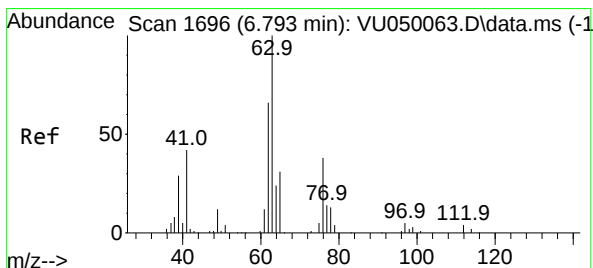
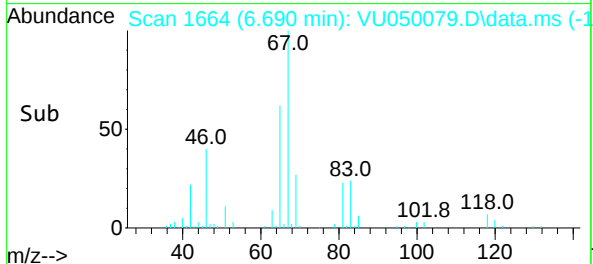
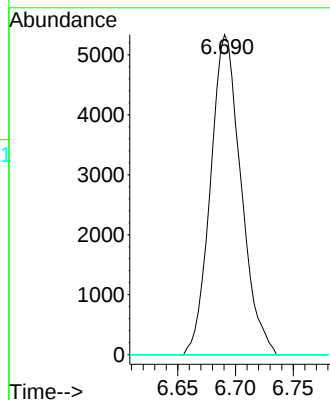
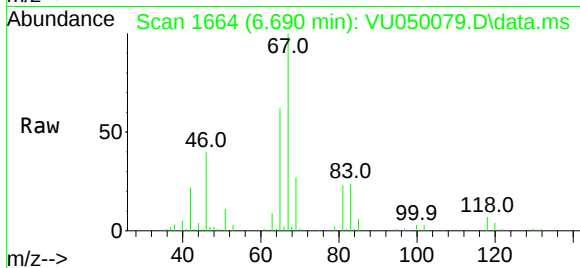
Tgt Ion: 83 Resp: 9797

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 6.3 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.638 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU050079.D

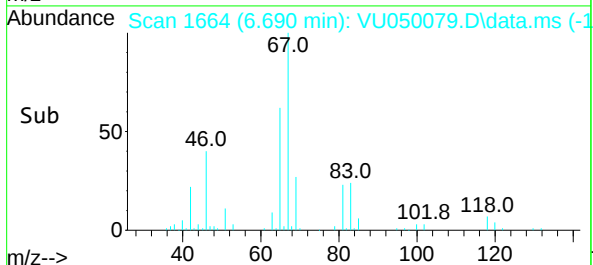
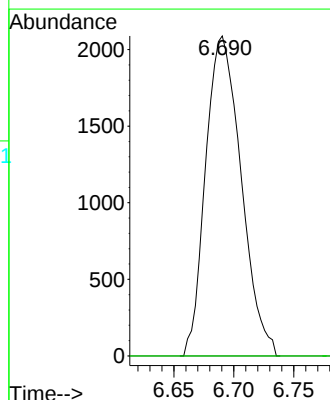
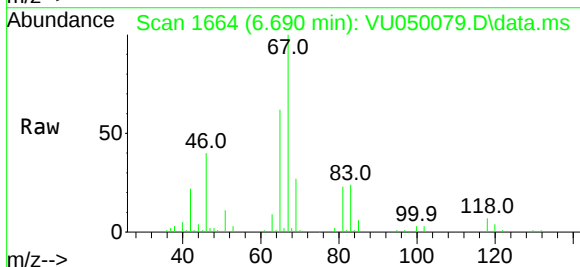
Acq: 04 Aug 2022 22:36

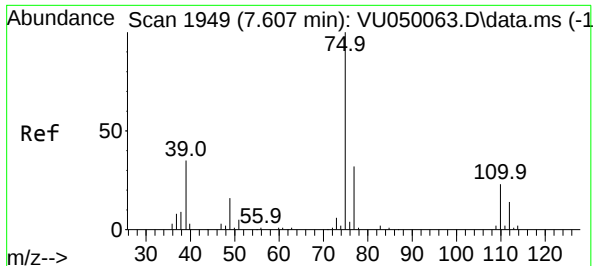
Tgt Ion: 63 Resp: 4306

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

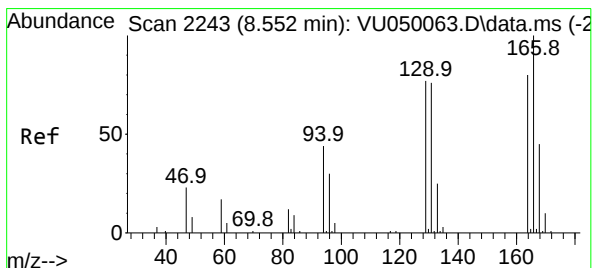
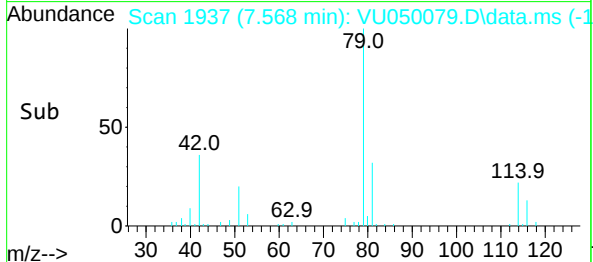
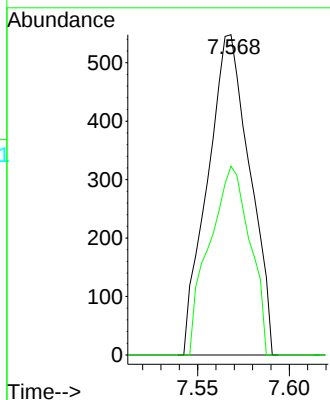
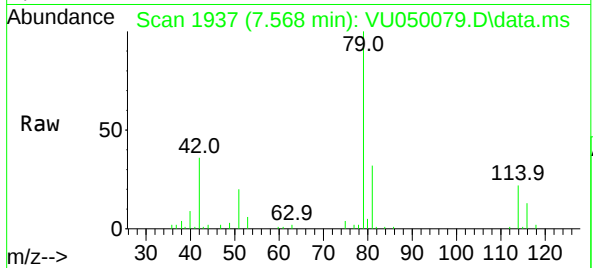
GBJG7

Tgt Ion: 75 Resp: 878

Ion Ratio Lower Upper

75 100

77 58.9 21.8 40.4#



#47

Tetrachloroethene

Concen: 1.370 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU050079.D

Acq: 04 Aug 2022 22:36

Tgt Ion: 164 Resp: 6016

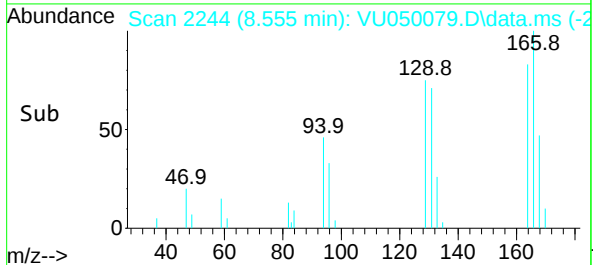
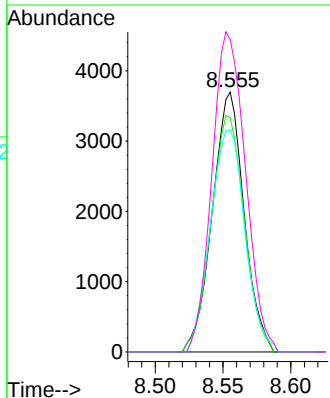
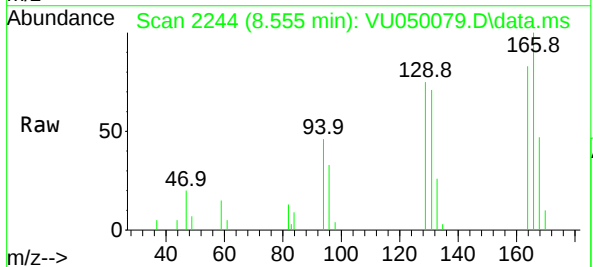
Ion Ratio Lower Upper

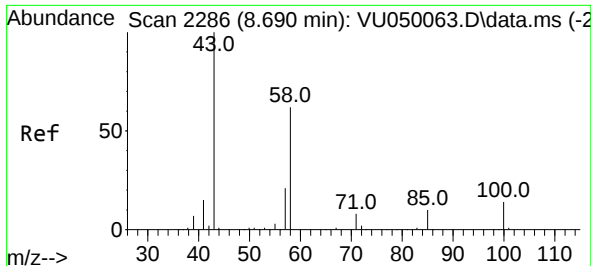
164 100

129 90.2 69.0 128.1

131 85.4 65.8 122.2

166 120.2 86.1 159.9

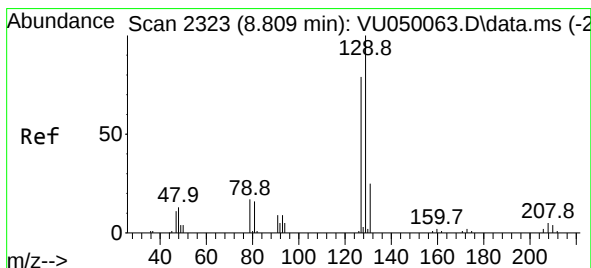
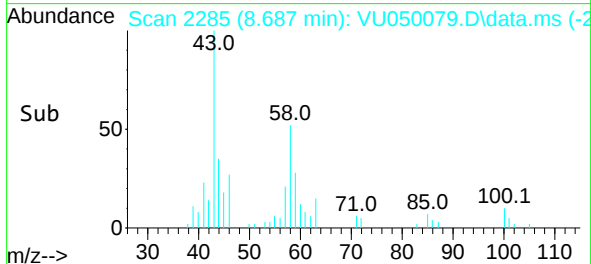
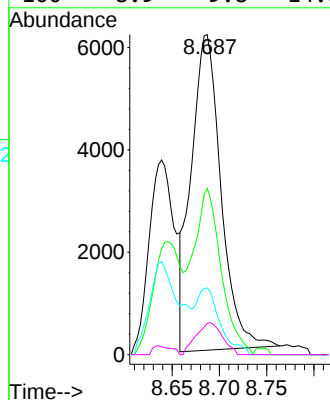
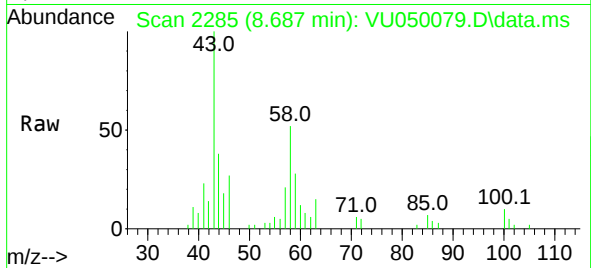




#48
2-Hexanone
Concen: 4.475 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

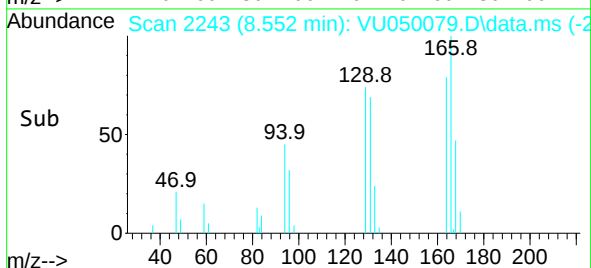
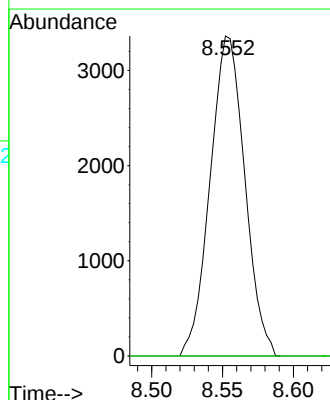
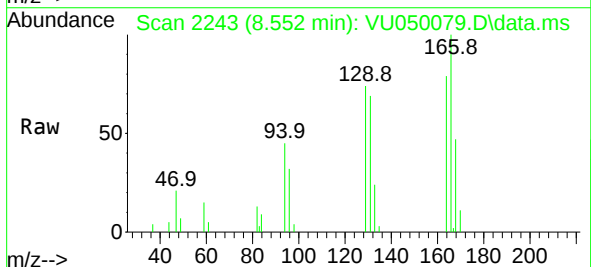
Instrument :
MSVOA_U
ClientSampleId :
GBJG7

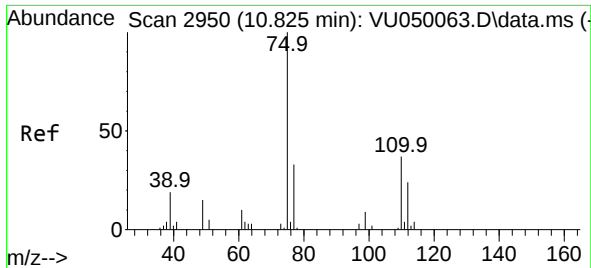
Tgt Ion: 43 Resp: 13526
Ion Ratio Lower Upper
43 100
58 47.6 50.6 76.0#
57 16.9 16.0 24.0
100 8.9 9.8 14.8#



#49
Dibromochloromethane
Concen: 1.025 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU050079.D
Acq: 04 Aug 2022 22:36

Tgt Ion: 129 Resp: 5721
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#





#61
 1,2,3-Trichloropropane
 Concen: 0.859 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU050079.D
 Acq: 04 Aug 2022 22:36

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG7

Tgt Ion: 75 Resp: 3424
 Ion Ratio Lower Upper
 75 100
 110 0.0 28.5 42.7#
 77 29.6 25.8 38.6

