

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051951.D
 Acq On : 19 Nov 2022 13:28
 Operator : JC/MD
 Sample : N5693-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBN89

Quant Time: Nov 19 21:43:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	229529	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231428	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	85750	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	104379	4.675	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.909	69	83094	4.792	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.565	65	36579	4.571	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.616	46	191893	47.417	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.840%
24) Chloroform-d	5.060	84	153647	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.700	65	80320	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.726	84	327141	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.687	67	107882	5.074	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.896	98	261345	4.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	8.179	79	32338	4.173	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.629	63	145205	44.220	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.440%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	84201	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	84833	5.167	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	8913	0.357	ug/L #	27
8) Chloroethane	1.668	64	8275	0.533	ug/L #	58
9) Trichlorofluoromethane	2.417	101	1365	0.050	ug/L #	18
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	884	0.053	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	3568	0.214	ug/L #	1
13) Acetone	2.620	43	315863	114.938	ug/L	98
16) Methylene chloride	3.044	84	79458	3.527	ug/L	99
17) Methyl tert-butyl Ether	3.362	73	4602	0.123	ug/L	94
18) trans-1,2-Dichloroethene	3.356	96	21984	1.232	ug/L	87
19) 1,1-Dichloroethane	3.874	63	4906	0.153	ug/L	89
22) cis-1,2-Dichloroethene	4.665	96	1801170	96.154	ug/L	97
25) Chloroform	5.086	83	12855	0.394	ug/L	85
27) 1,2-Dichloroethane	5.793	62	19858	0.995	ug/L	95
29) 1,1,1-Trichloroethane	5.311	97	16011	0.624	ug/L	93
33) Benzene	5.774	78	23245	0.309	ug/L	100
34) Trichloroethene	6.539	95	4197520	223.442	ug/L	99
35) Methylcyclohexane	6.687	83	24435	0.904	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	10687	0.548	ug/L #	88
47) Tetrachloroethene	8.552	164	39332	2.732	ug/L	99

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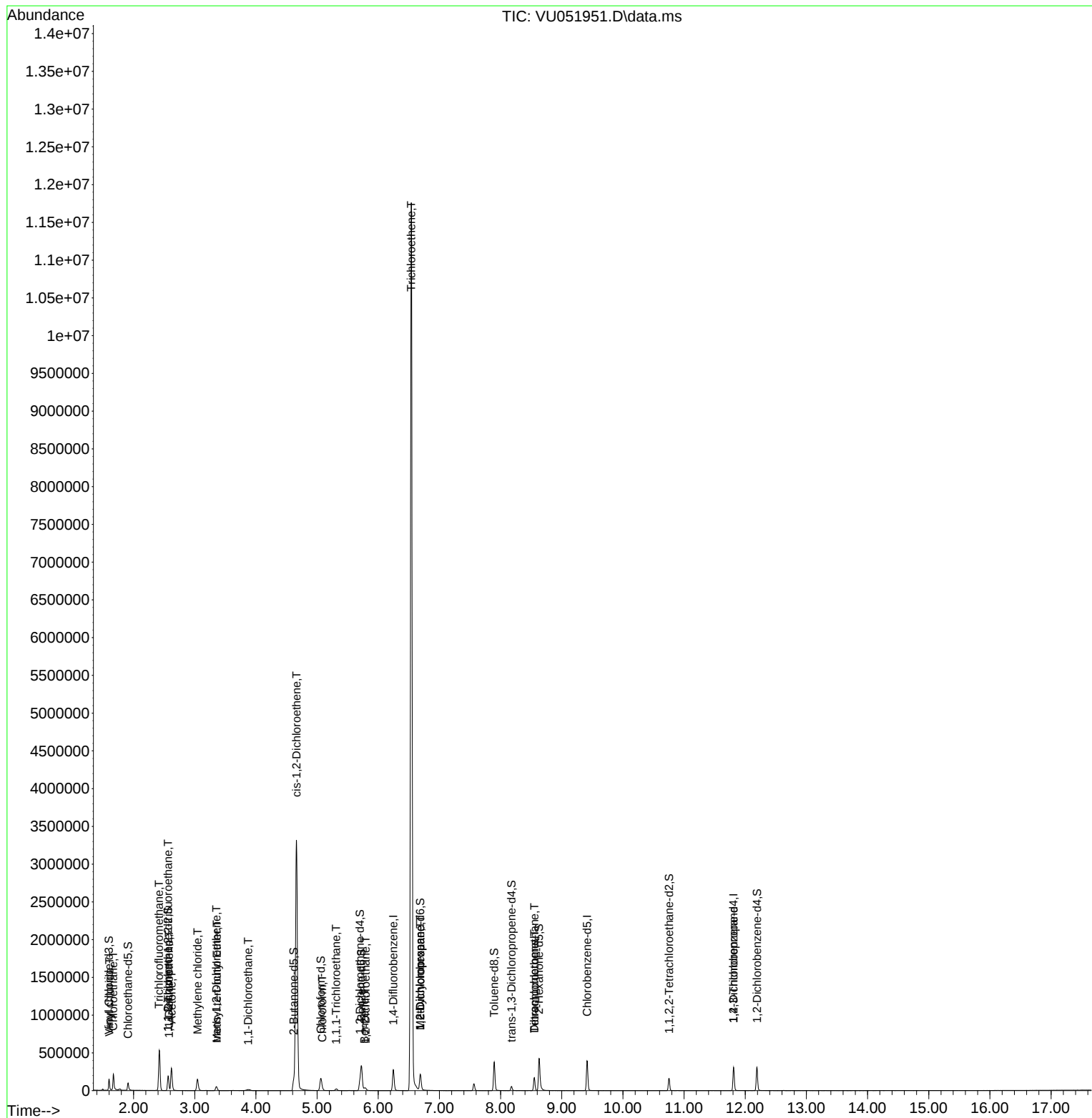
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.552	129	37797	2.303	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	10067	1.026	ug/L #	71

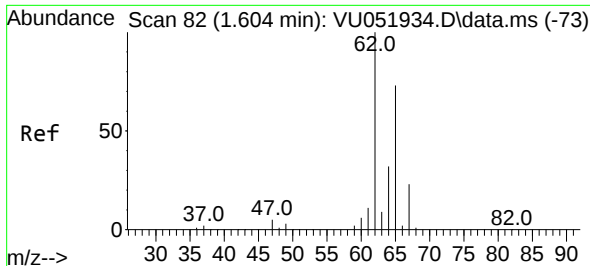
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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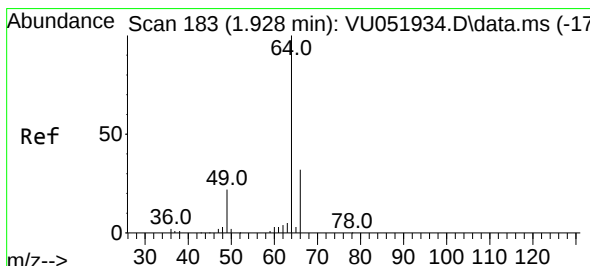
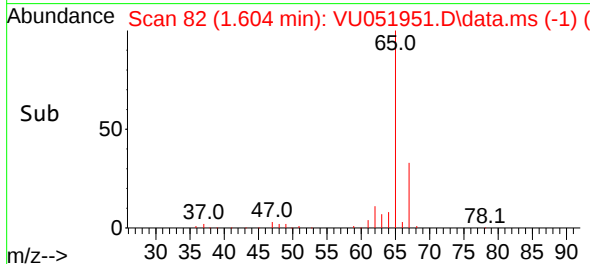
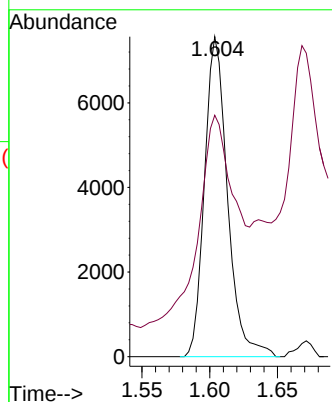
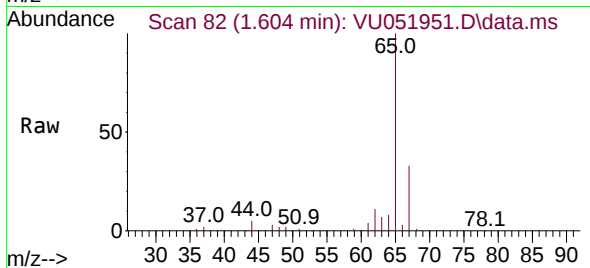




#5
 Vinyl chloride
 Concen: 0.357 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

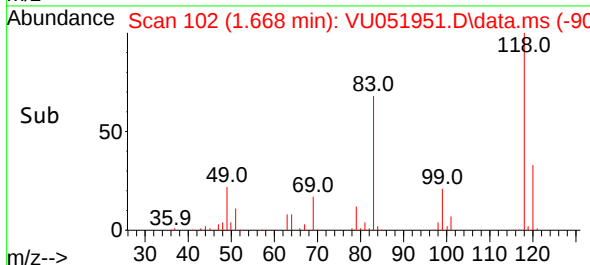
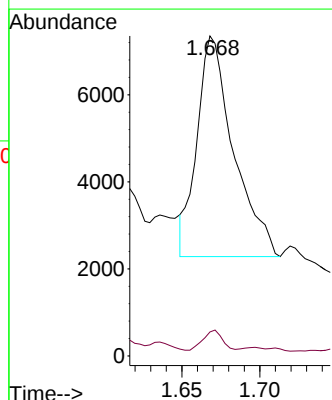
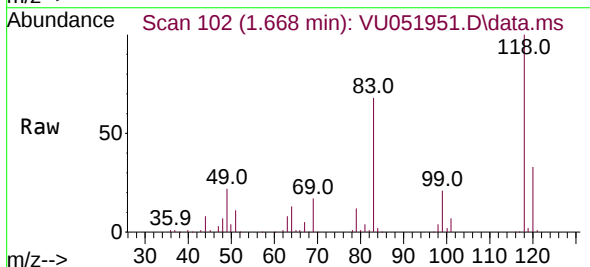
Instrument :
 MSVOA_U
 ClientSampleId :
 GBN89

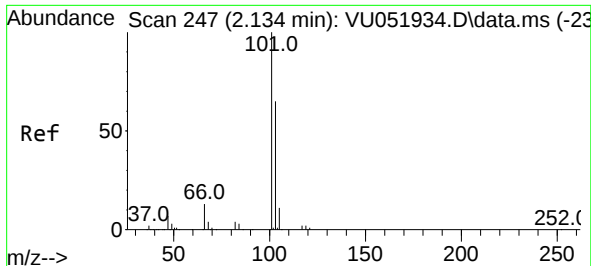
Tgt Ion: 62 Resp: 8913
 Ion Ratio Lower Upper
 62 100
 64 75.4 23.5 43.7#



#8
 Chloroethane
 Concen: 0.533 ug/L
 RT: 1.668 min Scan# 102
 Delta R.T. -0.260 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

Tgt Ion: 64 Resp: 8275
 Ion Ratio Lower Upper
 64 100
 66 7.5 21.1 39.1#

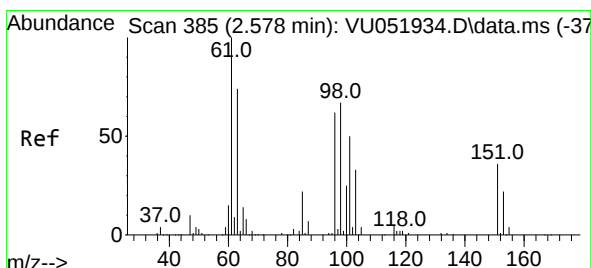
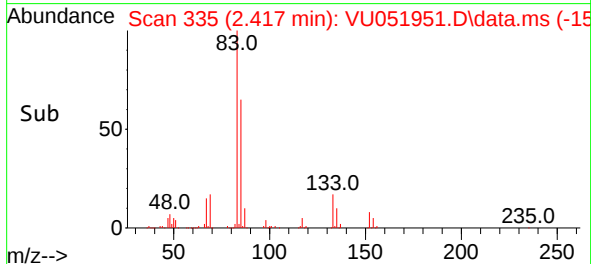
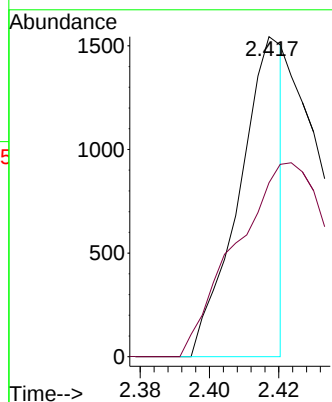
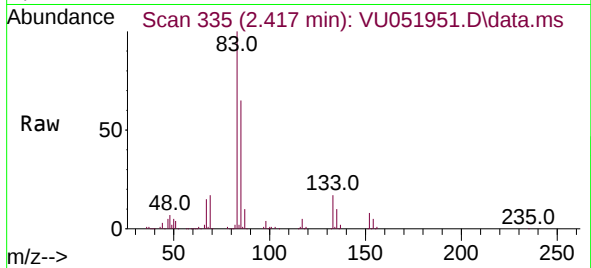




#9
 Trichlorofluoromethane
 Concen: 0.050 ug/L
 RT: 2.417 min Scan# 31
 Delta R.T. 0.283 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

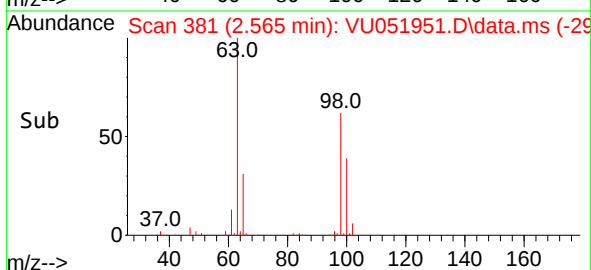
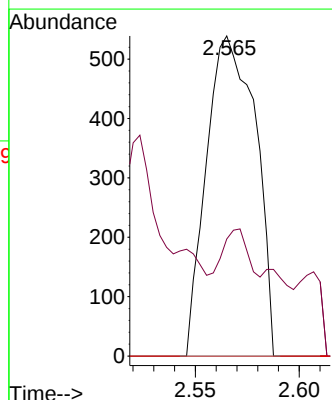
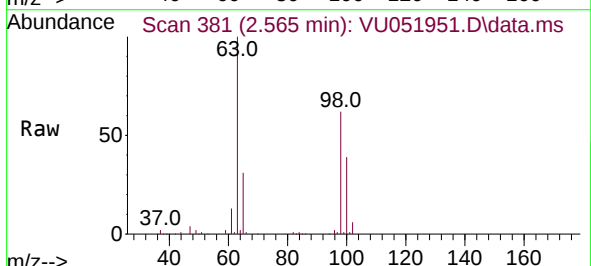
Instrument :
 MSVOA_U
 ClientSampleId :
 GBN89

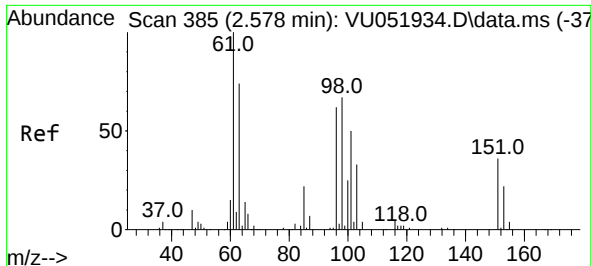
Tgt Ion:101 Resp: 1365
 Ion Ratio Lower Upper
 101 100
 103 0.0 51.6 77.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.053 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

Tgt Ion:101 Resp: 884
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 0.214 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051951.D

Acq: 19 Nov 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

GBN89

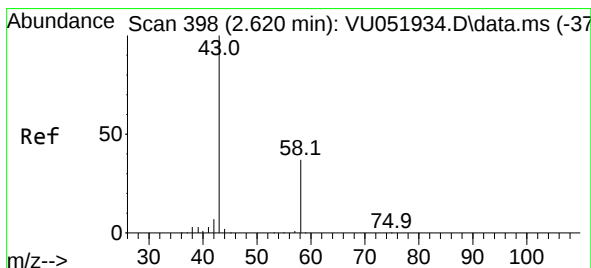
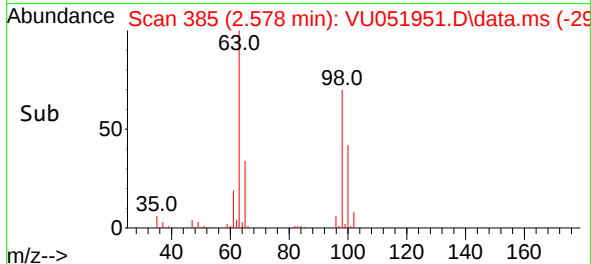
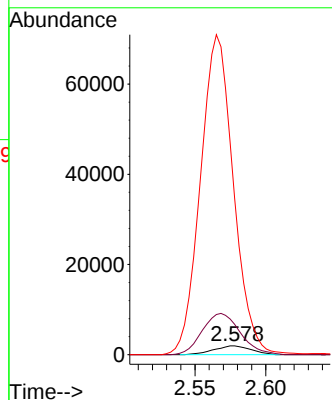
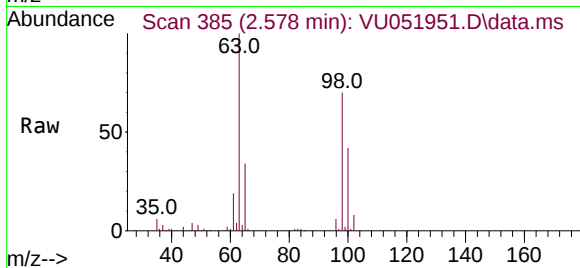
Tgt Ion: 96 Resp: 3568

Ion Ratio Lower Upper

96 100

61 343.2 114.8 213.2#

63 1766.3 93.7 174.1#



#13

Acetone

Concen: 114.938 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051951.D

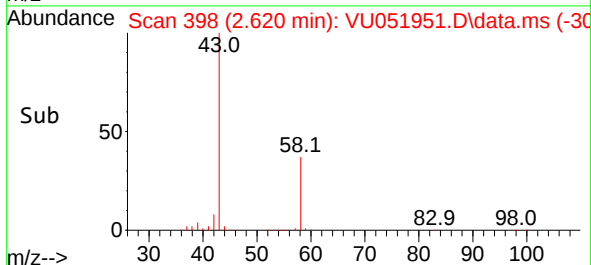
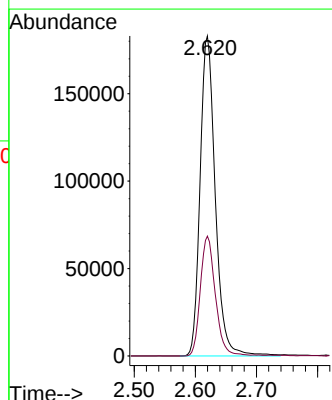
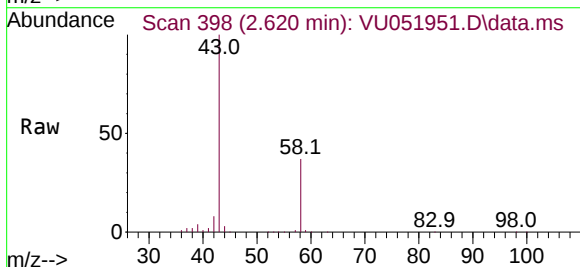
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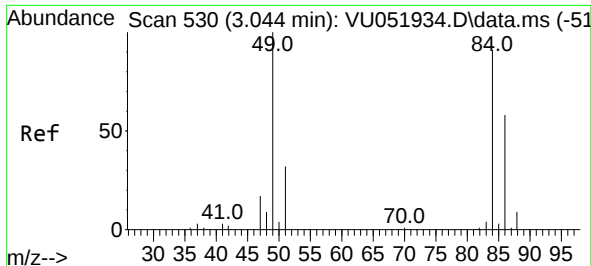
Tgt Ion: 43 Resp: 315863

Ion Ratio Lower Upper

43 100

58 36.9 0.0 76.0

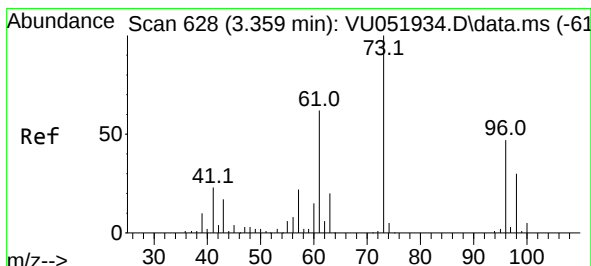
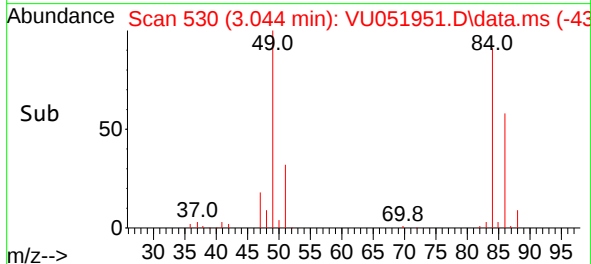
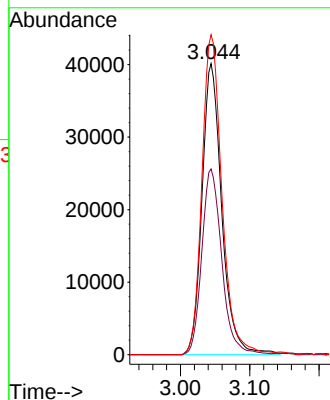
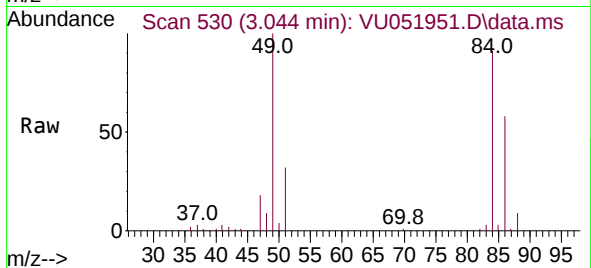




#16
Methylene chloride
Concen: 3.527 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

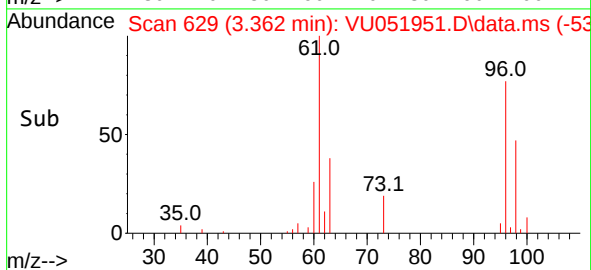
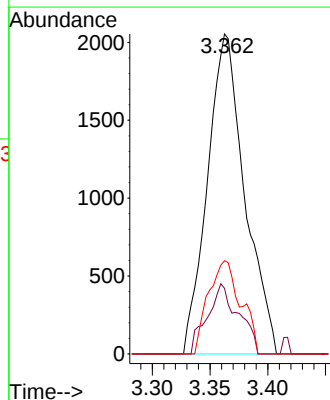
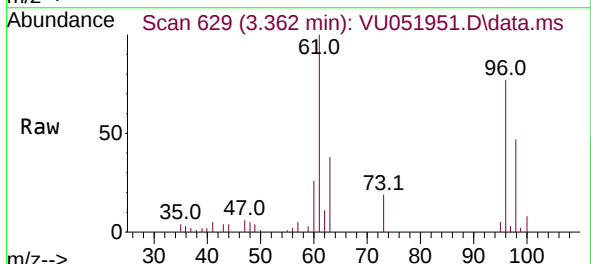
Instrument :
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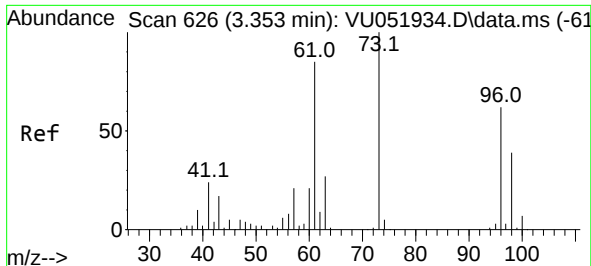
Tgt Ion: 84 Resp: 79458
Ion Ratio Lower Upper
84 100
86 63.9 43.8 81.4
49 110.0 75.9 141.1



#17
Methyl tert-butyl Ether
Concen: 0.123 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Tgt Ion: 73 Resp: 4602
Ion Ratio Lower Upper
73 100
43 18.4 13.2 19.8
57 25.4 17.8 26.8

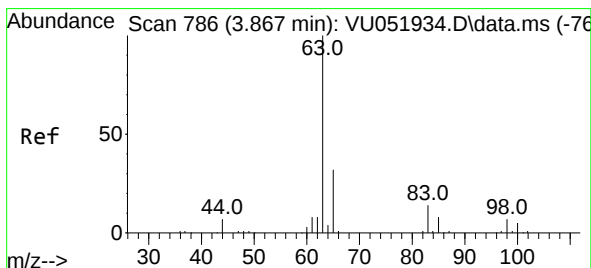
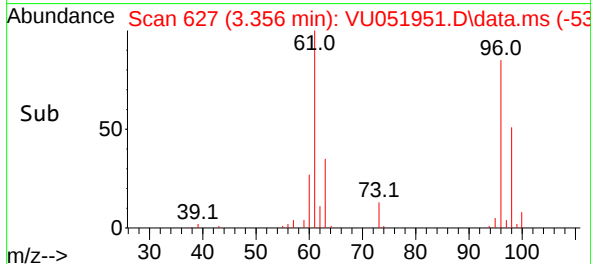
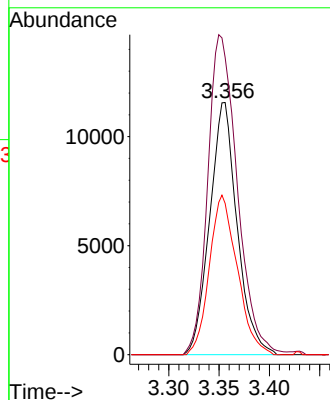
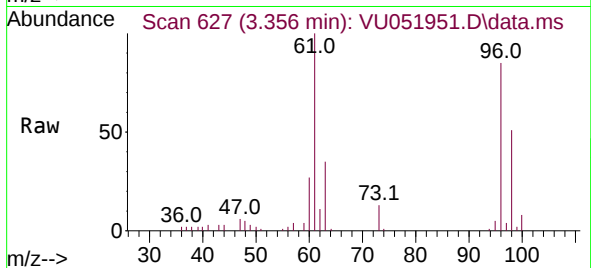




#18
trans-1,2-Dichloroethene
Concen: 1.232 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

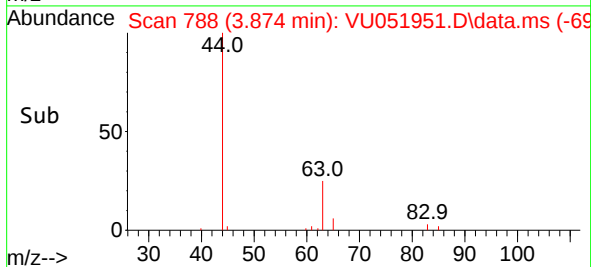
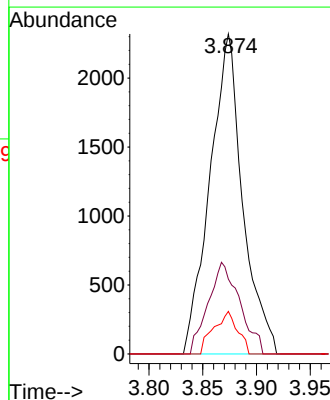
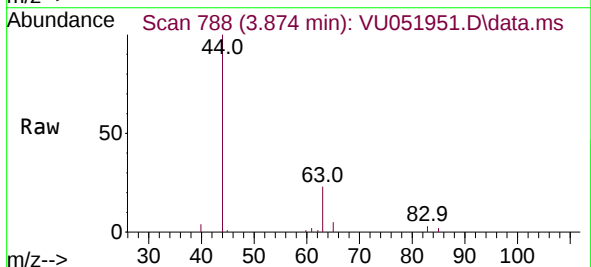
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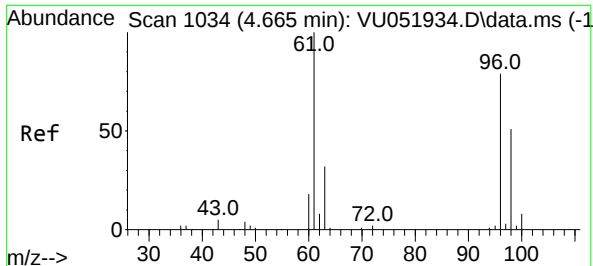
Tgt Ion: 96 Resp: 21984
Ion Ratio Lower Upper
96 100
61 117.9 97.9 181.7
98 60.0 43.8 81.3



#19
1,1-Dichloroethane
Concen: 0.153 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Tgt Ion: 63 Resp: 4906
Ion Ratio Lower Upper
63 100
65 23.4 22.2 41.2
83 13.3 9.2 17.0



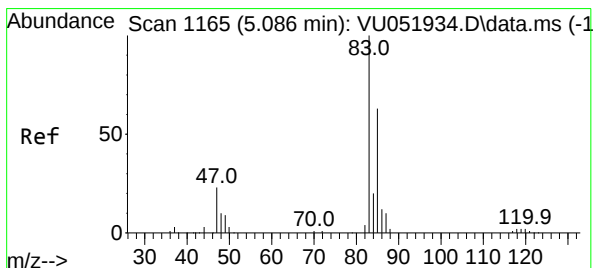
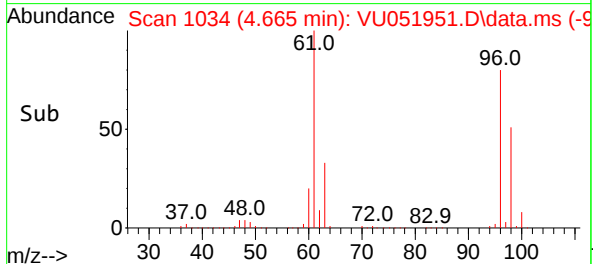
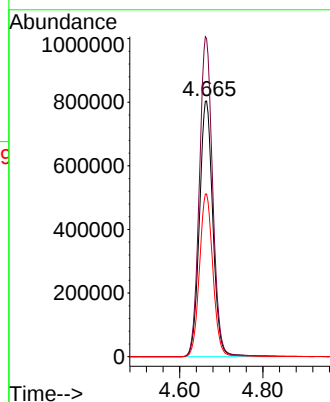
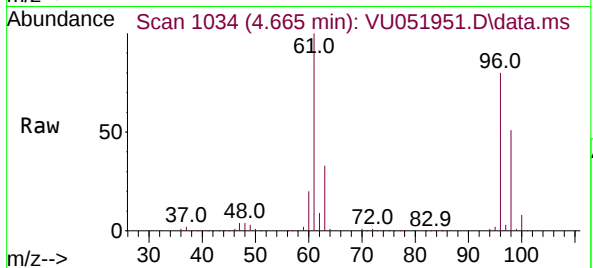


#22
 cis-1,2-Dichloroethene
 Concen: 96.154 ug/L
 RT: 4.665 min Scan# 110
 Delta R.T. 0.000 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

Instrument :
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 ClientSampleId :
 GBN89

Tgt Ion: 96 Resp: 1801170

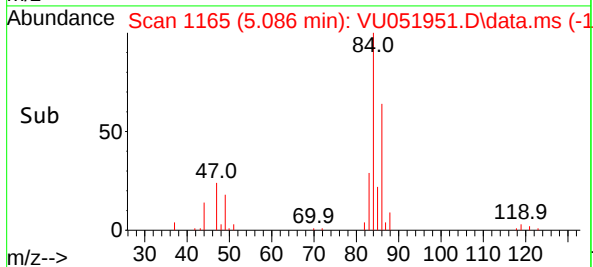
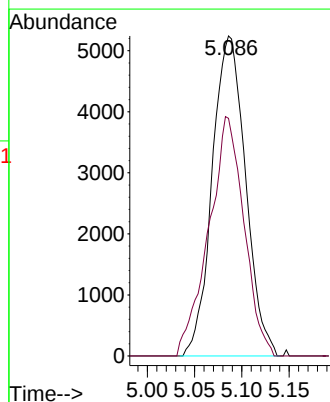
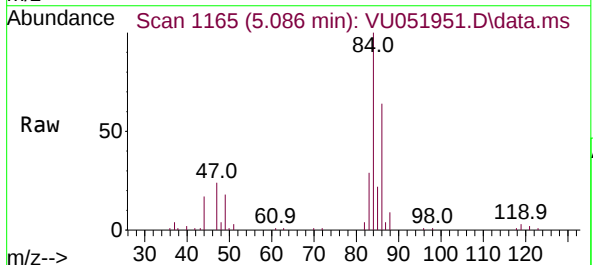
Ion	Ratio	Lower	Upper
96	100		
61	124.4	85.1	158.1
98	63.6	42.8	79.6

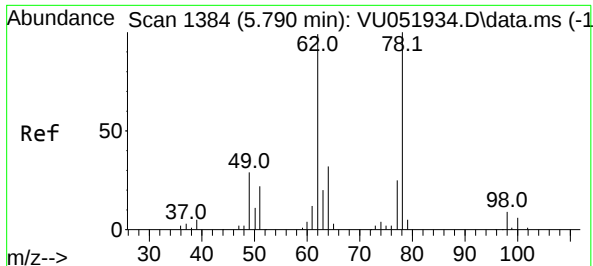


#25
 Chloroform
 Concen: 0.394 ug/L
 RT: 5.086 min Scan# 1165
 Delta R.T. 0.000 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

Tgt Ion: 83 Resp: 12855

Ion	Ratio	Lower	Upper
83	100		
85	74.3	43.8	81.4

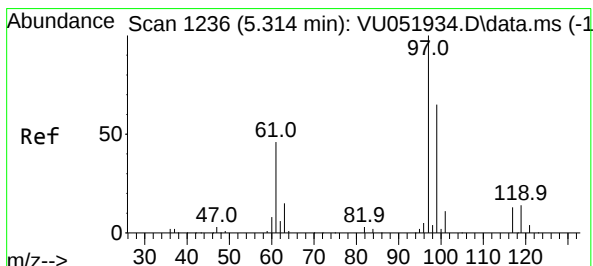
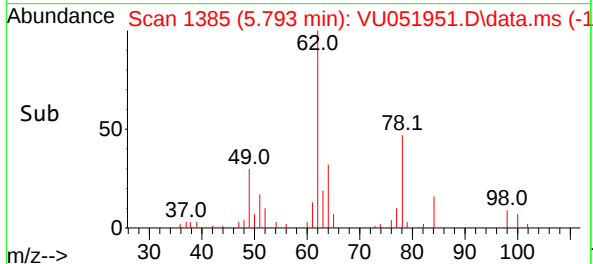
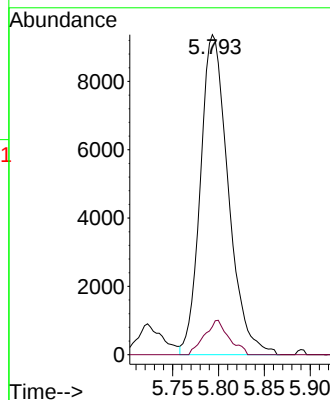
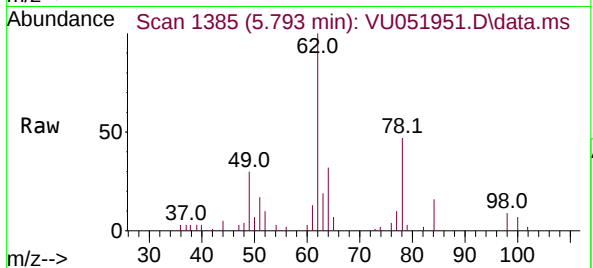




#27
1,2-Dichloroethane
Concen: 0.995 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

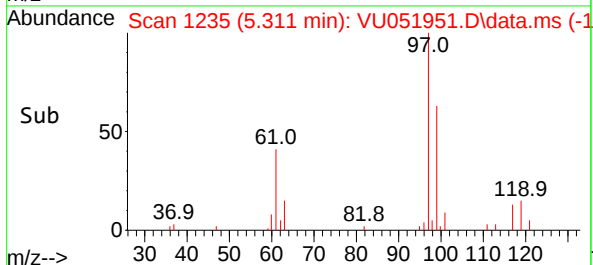
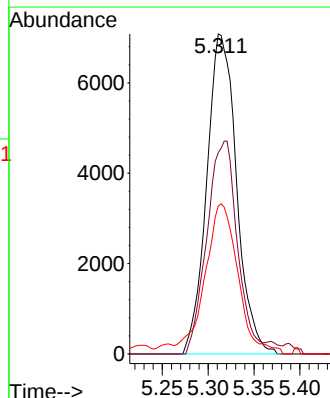
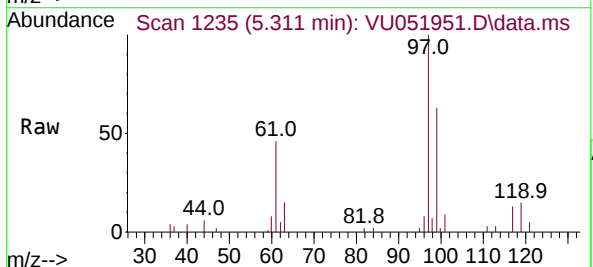
Instrument :
MSVOA_U
ClientSampleId :
GBN89

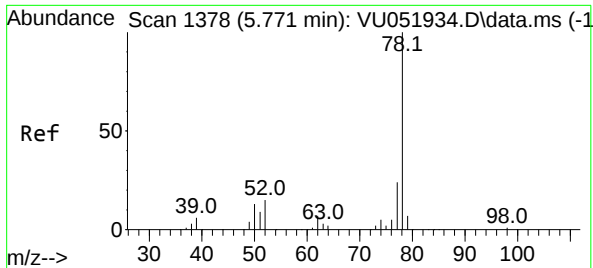
Tgt Ion: 62 Resp: 19858
Ion Ratio Lower Upper
62 100
98 8.8 8.4 12.6



#29
1,1,1-Trichloroethane
Concen: 0.624 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Tgt Ion: 97 Resp: 16011
Ion Ratio Lower Upper
97 100
99 67.9 51.0 76.6
61 52.0 36.9 55.3

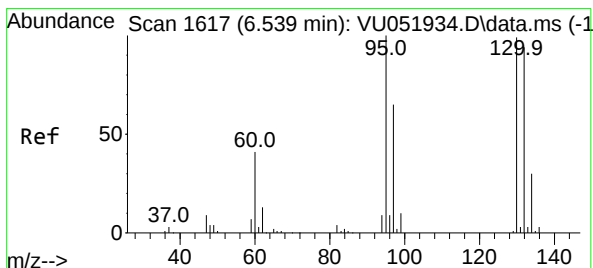
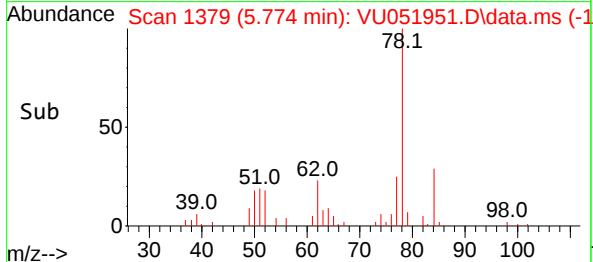
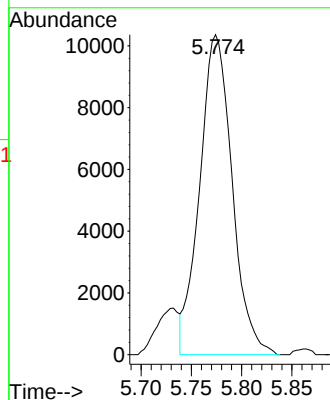
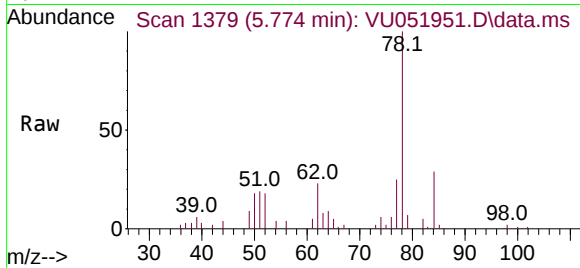




#33
Benzene
Concen: 0.309 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Instrument :
MSVOA_U
ClientSampleId :
GBN89

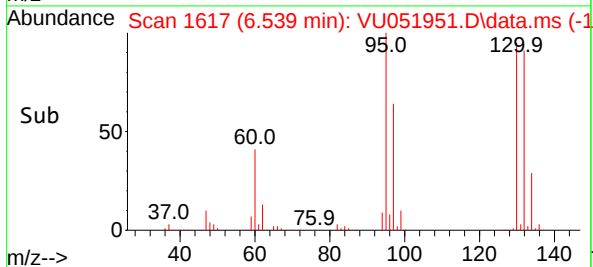
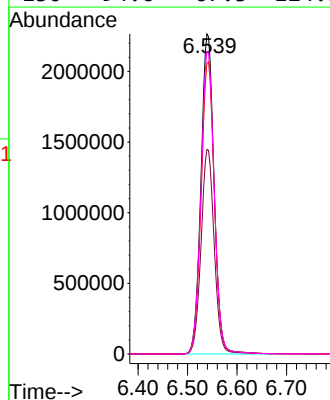
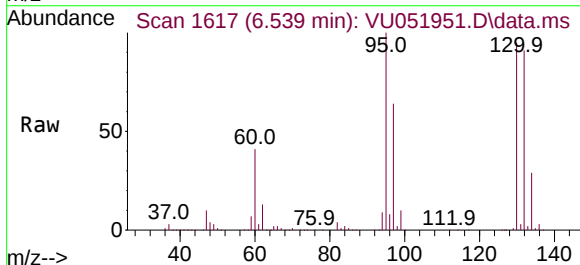
Tgt Ion: 78 Resp: 23245

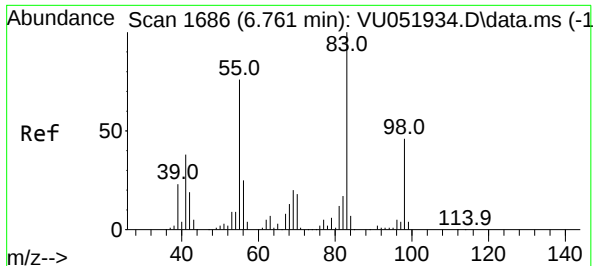


#34
Trichloroethene
Concen: 223.442 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Tgt Ion: 95 Resp: 4197520

Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.7	81.1
132	90.9	64.3	119.3
130	94.6	67.3	124.9

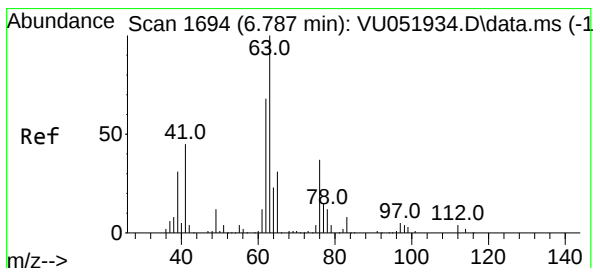
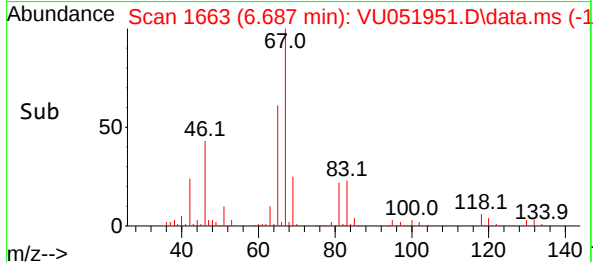
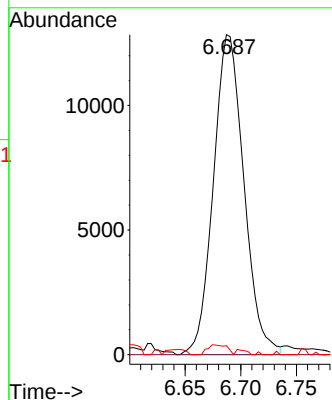
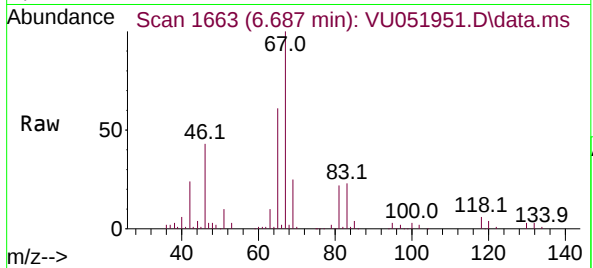




#35
Methylcyclohexane
Concen: 0.904 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

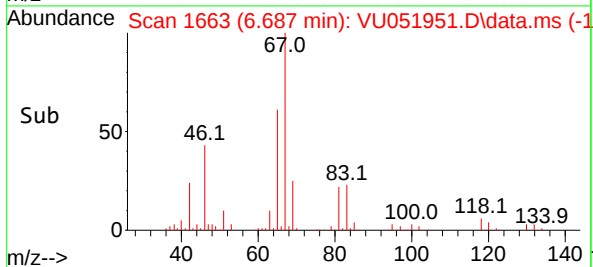
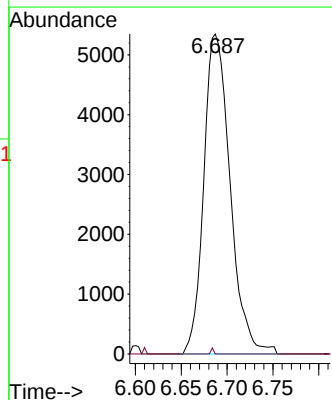
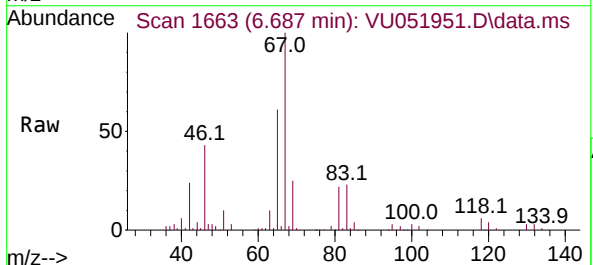
Instrument :
MSVOA_U
ClientSampleId :
GBN89

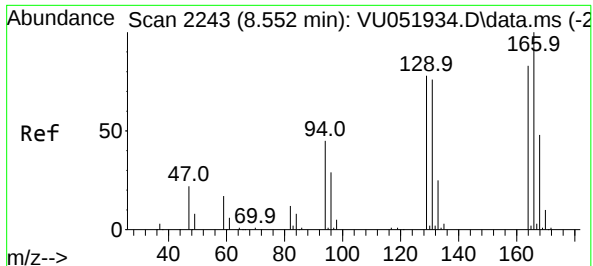
Tgt Ion: 83 Resp: 24435
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 0.0 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 0.548 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU051951.D
Acq: 19 Nov 2022 13:28

Tgt Ion: 63 Resp: 10687
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#





#47

Tetrachloroethene

Concen: 2.732 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051951.D

Acq: 19 Nov 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

GBN89

Tgt Ion:164 Resp: 39332

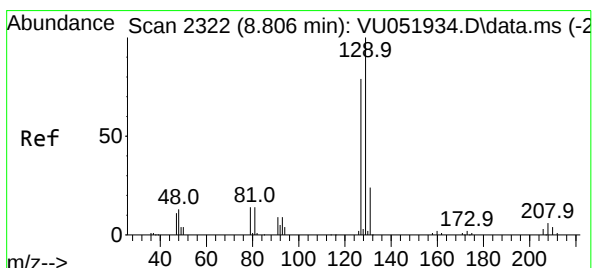
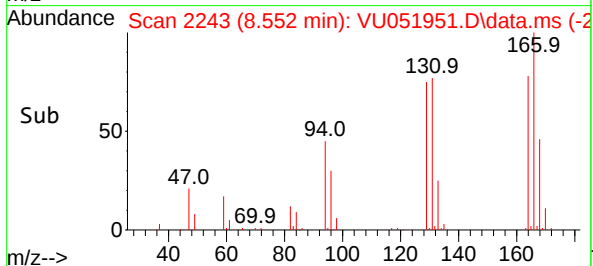
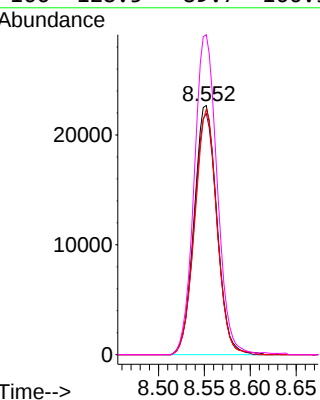
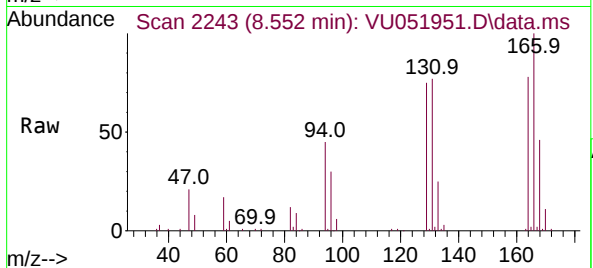
Ion Ratio Lower Upper

164 100

129 96.8 67.4 125.2

131 98.6 67.1 124.7

166 128.5 89.7 166.5



#49

Dibromochloromethane

Concen: 2.303 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.254 min

Lab File: VU051951.D

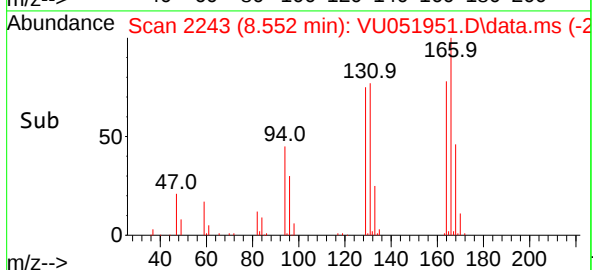
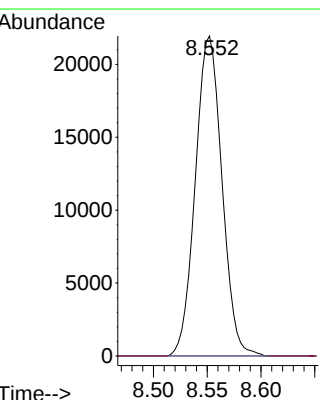
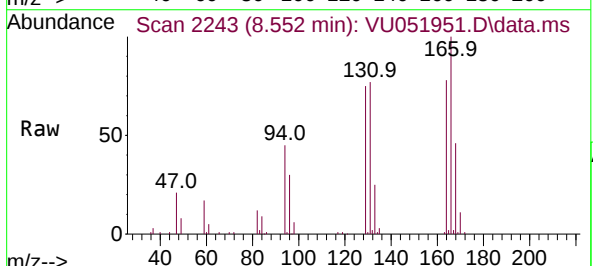
Acq: 19 Nov 2022 13:28

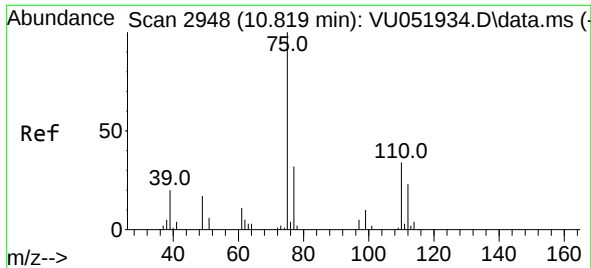
Tgt Ion:129 Resp: 37797

Ion Ratio Lower Upper

129 100

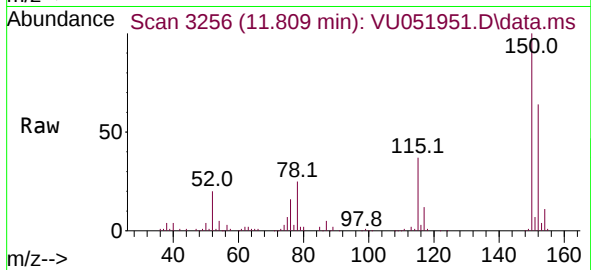
127 0.0 52.8 98.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.026 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU051951.D
 Acq: 19 Nov 2022 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 GBN89



Tgt Ion: 75 Resp: 10067
 Ion Ratio Lower Upper
 75 100
 110 3.1 28.3 42.5#
 77 32.6 26.2 39.2

