

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051329.D
 Acq On : 10 Oct 2022 16:03
 Operator : JC/MD
 Sample : N5041-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGS18

Quant Time: Oct 11 01:02:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 00:58:34 2022
 Response via : Initial Calibration

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

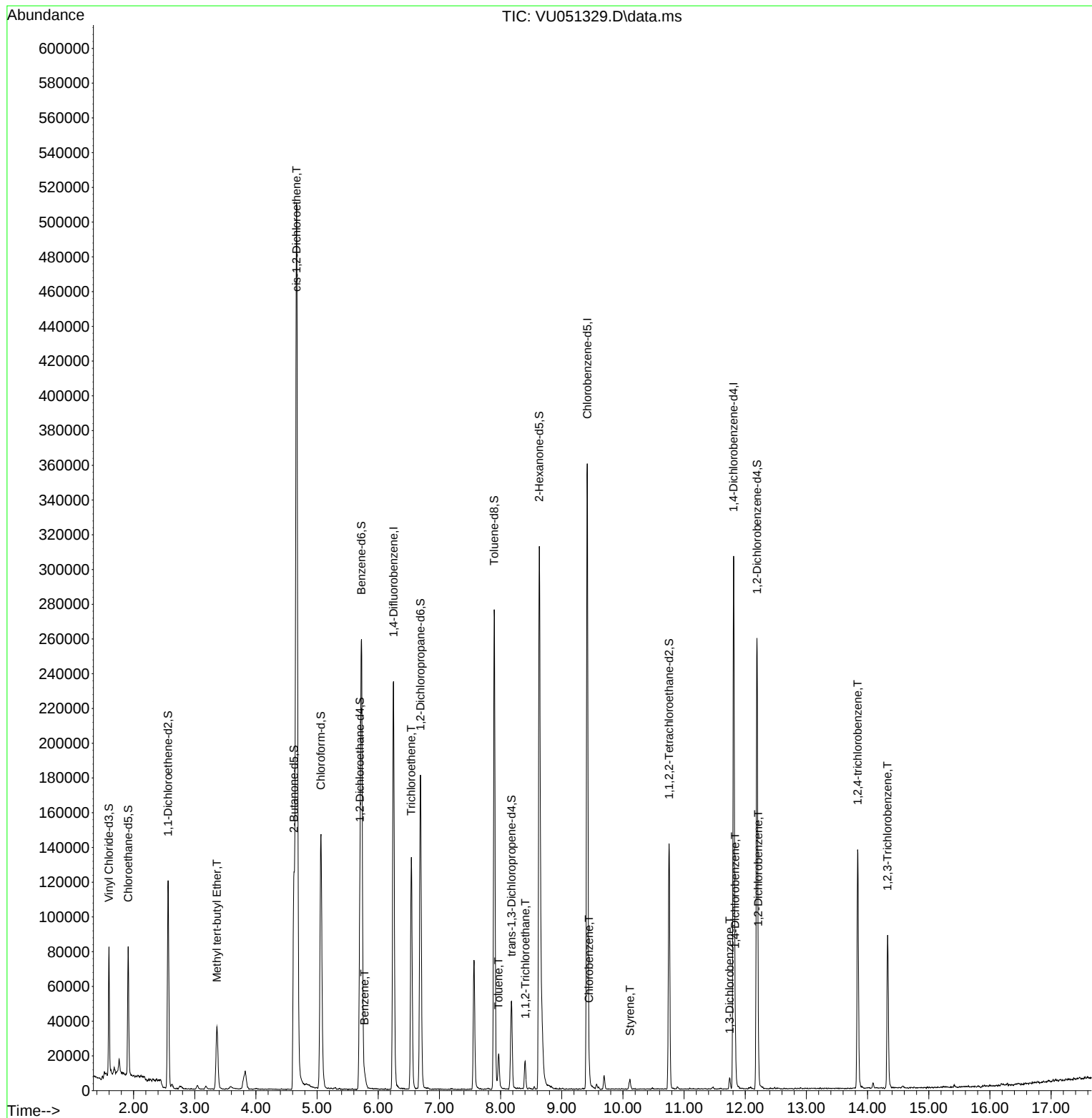
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	185253	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	201190	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	80911	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	54073	3.619	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.912	69	54223	4.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.565	65	21740	3.680	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	4.620	46	170243	51.745	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.500%
24) Chloroform-d	5.063	84	134292	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.700	65	71941	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.726	84	246057	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.690	67	88433	4.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.896	98	185621	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	8.179	79	26443	4.282	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.632	63	91706	44.061	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.120%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	71980	4.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	68677	4.883	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	3.362	73	35043	1.132	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	263337	16.727	ug/L	96
33) Benzene	5.774	78	5989	0.089	ug/L	100
34) Trichloroethene	6.539	95	47545	2.838	ug/L	96
42) Toluene	7.967	91	14763	0.207	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	5112	0.396	ug/L	93
51) Chlorobenzene	9.446	112	3070	0.072	ug/L #	84
55) Styrene	10.118	104	2197	0.054	ug/L	92
64) 1,3-Dichlorobenzene	11.745	146	3079	0.121	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	11880	0.475	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	4693	0.190	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	43697	3.519	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	27370	2.131	ug/L	97

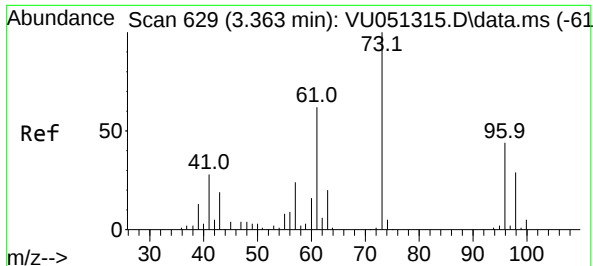
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Methyl tert-butyl Ether

Concen: 1.132 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

BGS18

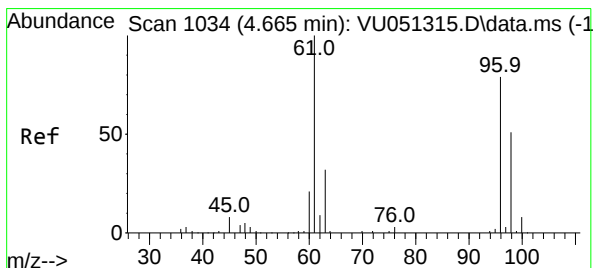
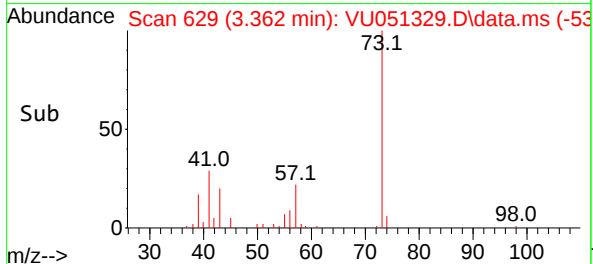
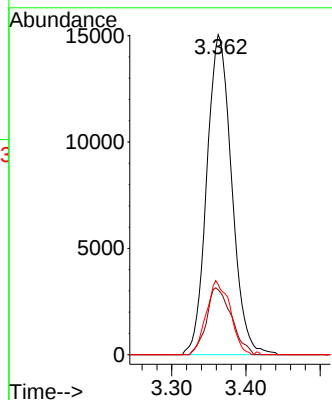
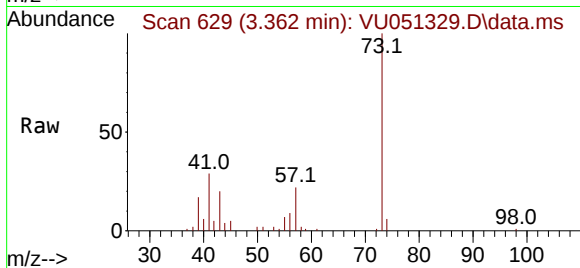
Tgt Ion: 73 Resp: 35043

Ion Ratio Lower Upper

73 100

43 20.9 15.4 23.0

57 22.2 18.9 28.3



#22

cis-1,2-Dichloroethene

Concen: 16.727 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

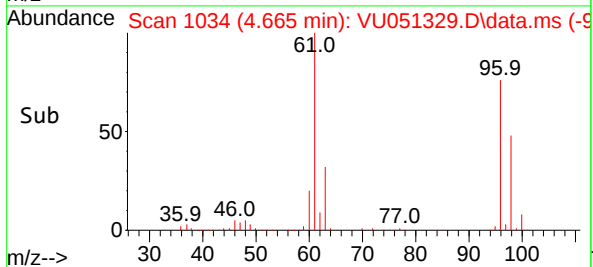
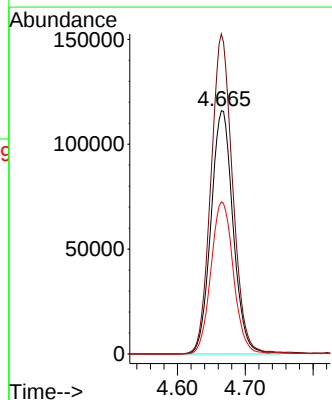
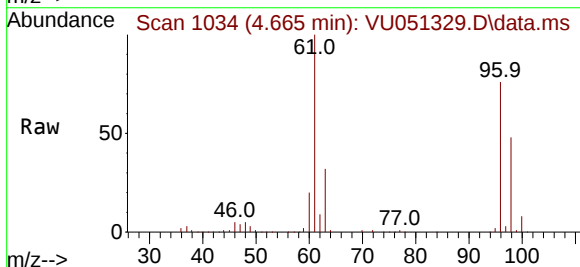
Tgt Ion: 96 Resp: 263337

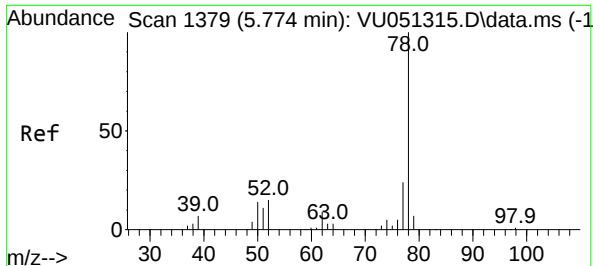
Ion Ratio Lower Upper

96 100

61 131.6 90.6 168.2

98 62.6 47.5 88.3

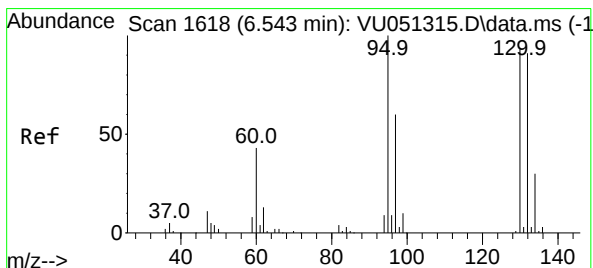
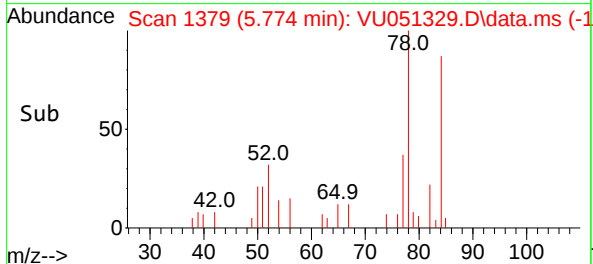
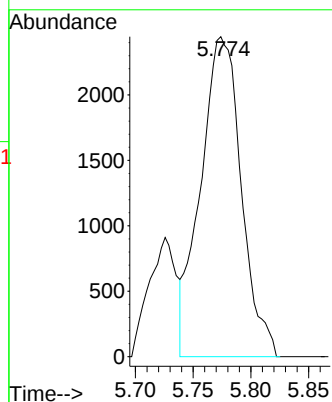
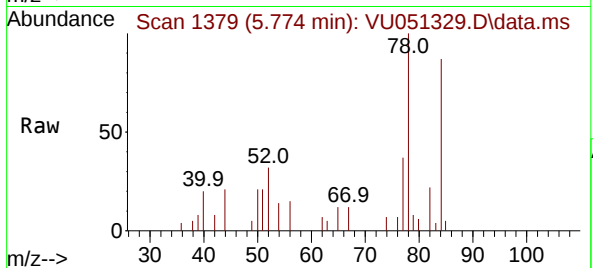




#33
Benzene
Concen: 0.089 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Instrument :
MSVOA_U
ClientSampleId :
BGS18

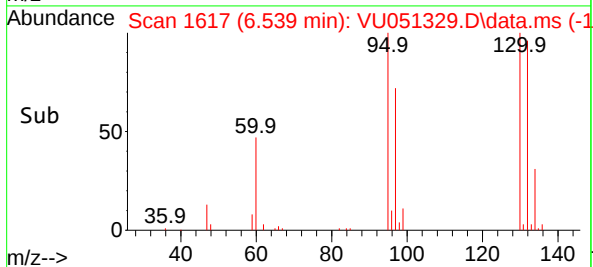
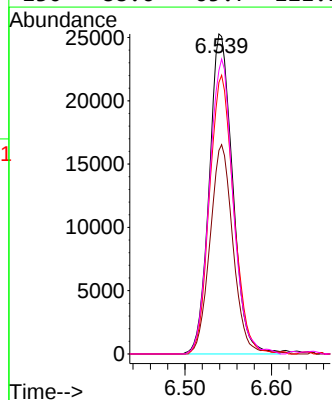
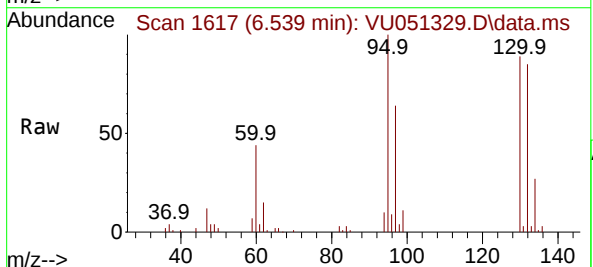
Tgt Ion: 78 Resp: 5989

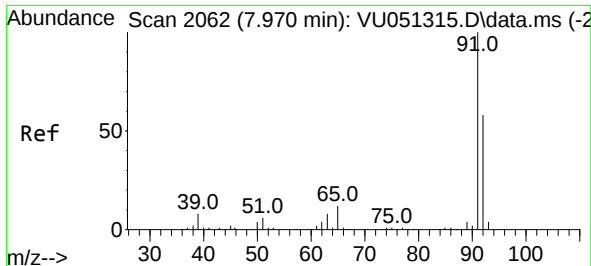


#34
Trichloroethene
Concen: 2.838 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Tgt Ion: 95 Resp: 47545

Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.4	84.2
132	84.8	63.1	117.3
130	88.6	65.7	121.9





#42

Toluene

Concen: 0.207 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

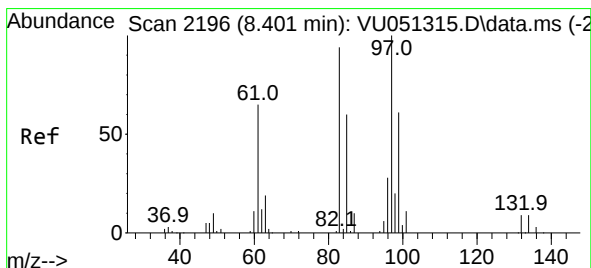
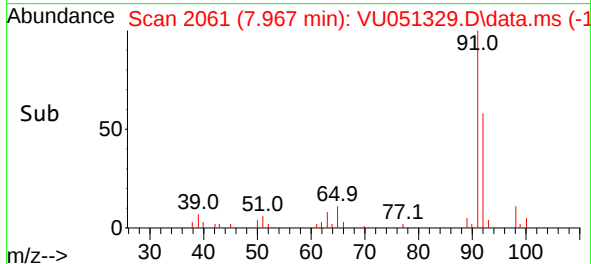
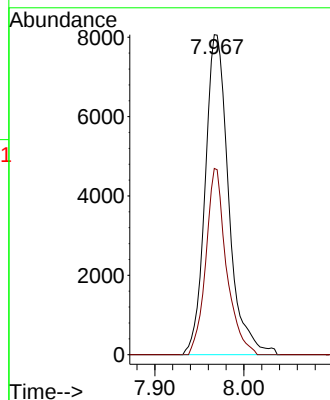
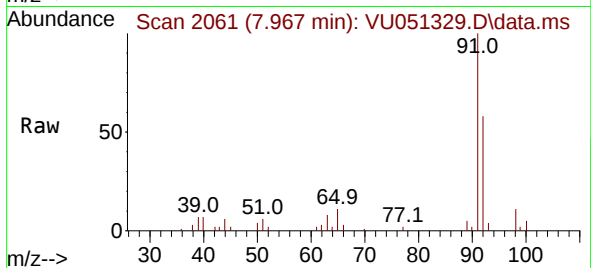
BGS18

Tgt Ion: 91 Resp: 14763

Ion Ratio Lower Upper

91 100

92 58.2 39.9 74.1



#45

1,1,2-Trichloroethane

Concen: 0.396 ug/L

RT: 8.404 min Scan# 2197

Delta R.T. 0.003 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

Tgt Ion: 97 Resp: 5112

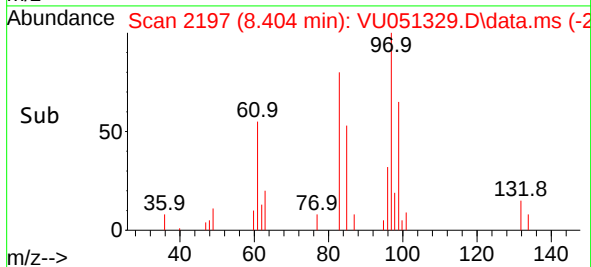
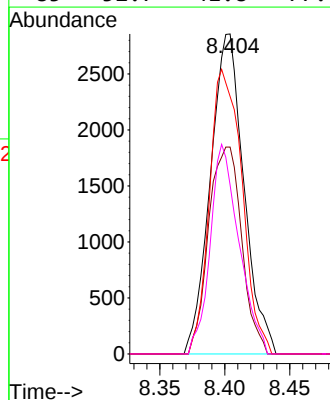
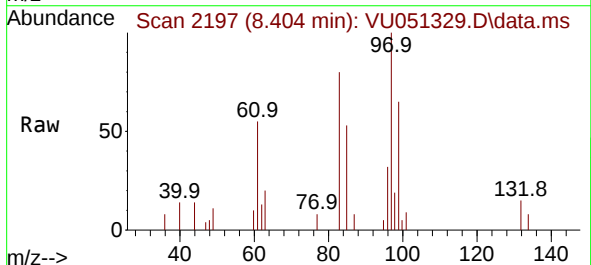
Ion Ratio Lower Upper

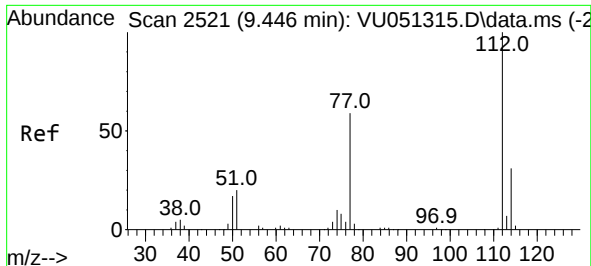
97 100

99 64.6 45.3 84.1

83 80.4 63.1 117.1

85 52.7 41.8 77.6

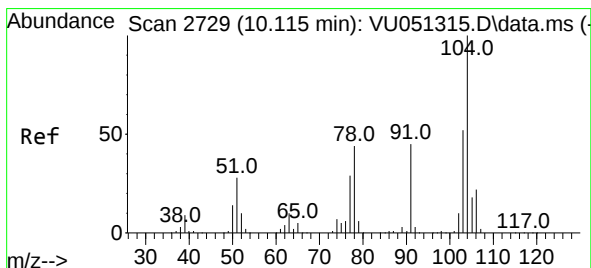
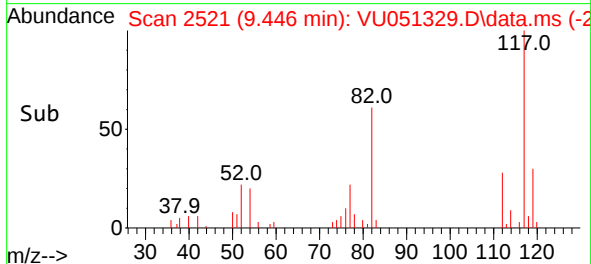
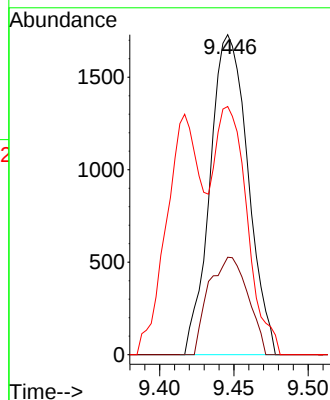
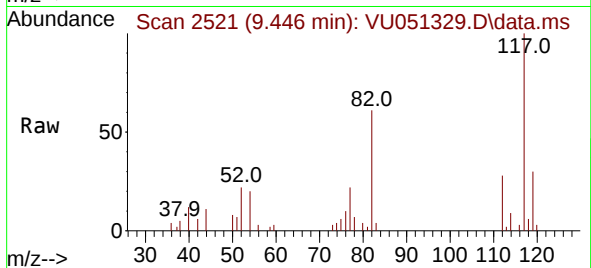




#51
Chlorobenzene
Concen: 0.072 ug/L
RT: 9.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

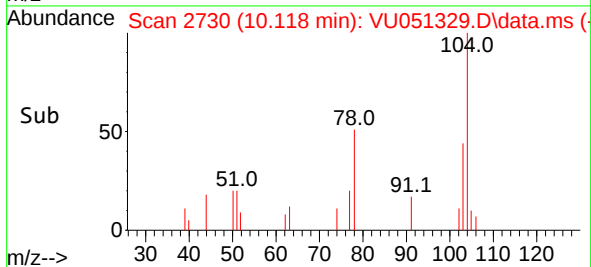
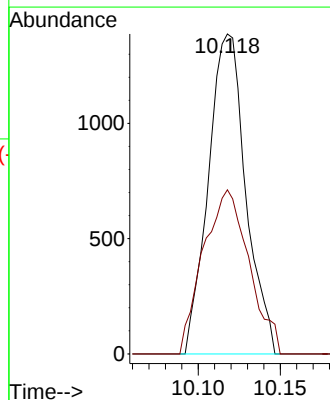
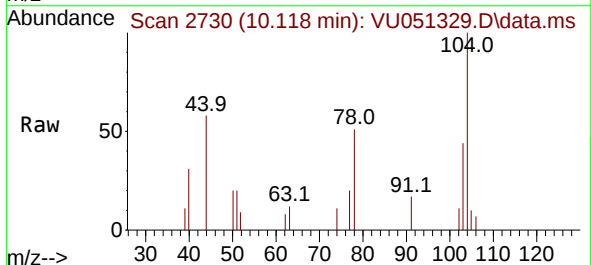
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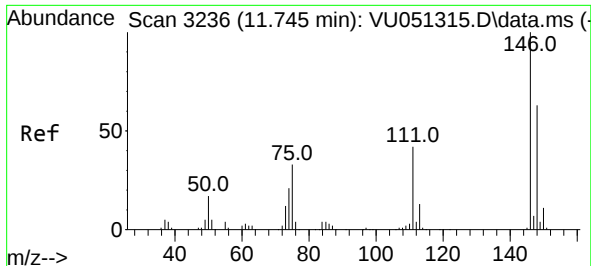
Tgt Ion:112 Resp: 3070
Ion Ratio Lower Upper
112 100
114 30.5 22.3 41.5
77 77.6 48.1 72.1#



#55
Styrene
Concen: 0.054 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Tgt Ion:104 Resp: 2197
Ion Ratio Lower Upper
104 100
78 51.3 32.1 59.7

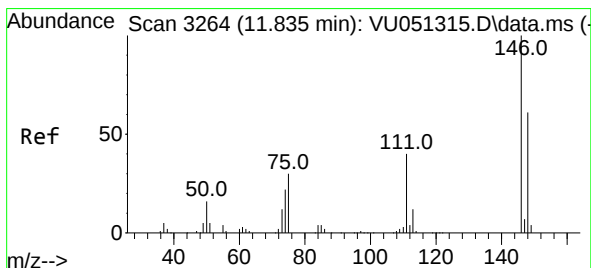
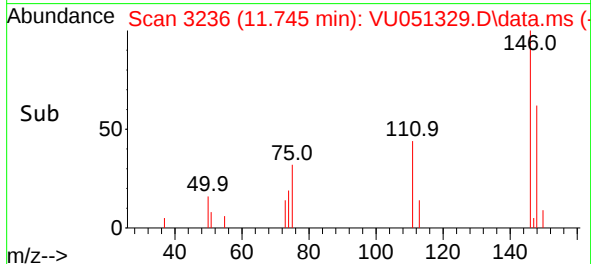
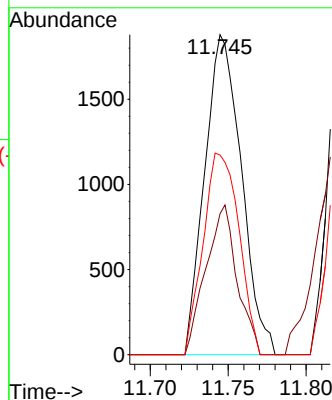
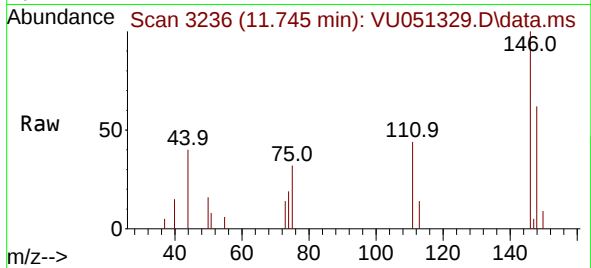




#64
1,3-Dichlorobenzene
Concen: 0.121 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

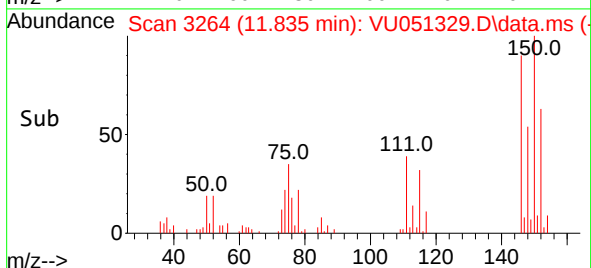
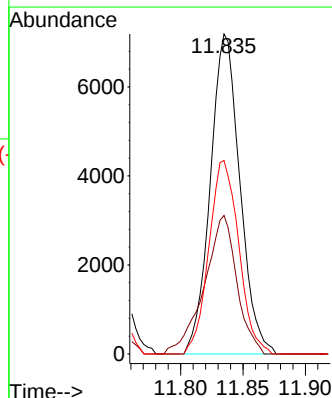
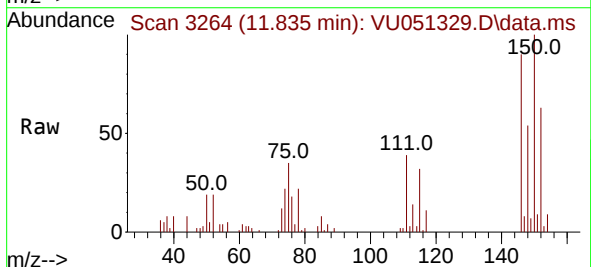
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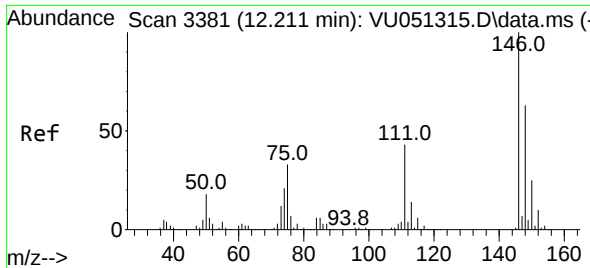
Tgt Ion:146 Resp: 3079
Ion Ratio Lower Upper
146 100
111 44.1 28.3 52.7
148 62.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 0.475 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Tgt Ion:146 Resp: 11880
Ion Ratio Lower Upper
146 100
111 43.3 29.1 54.1
148 60.4 44.2 82.0

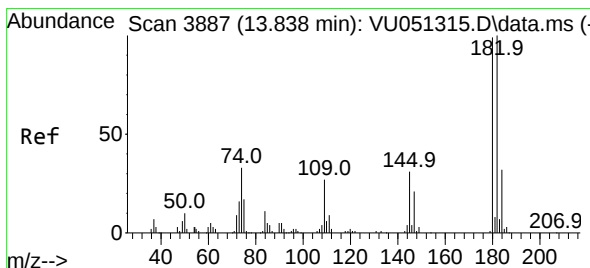
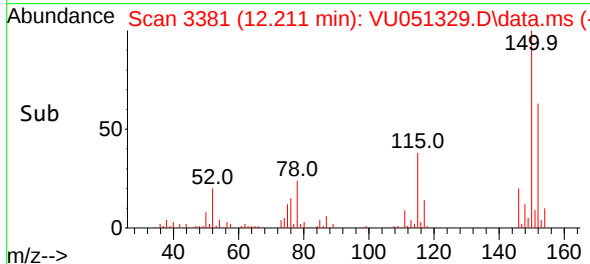
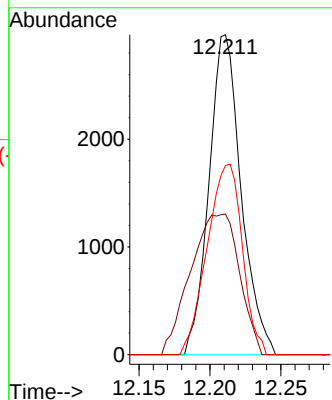
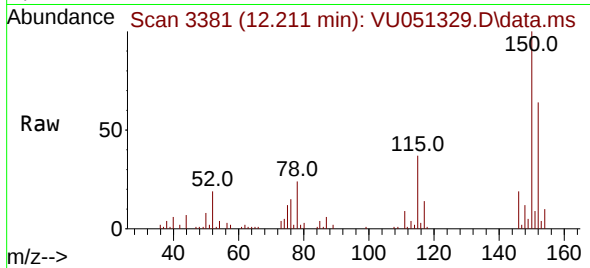




#67
1,2-Dichlorobenzene
Concen: 0.190 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

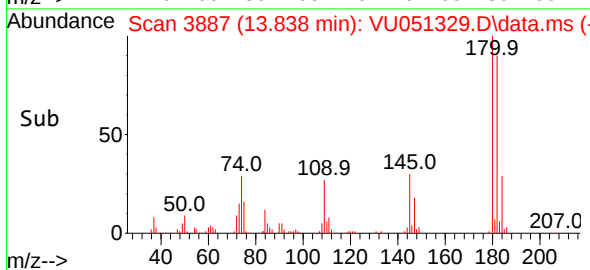
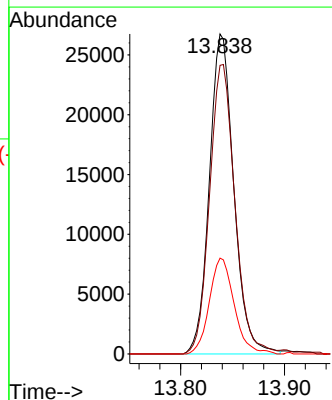
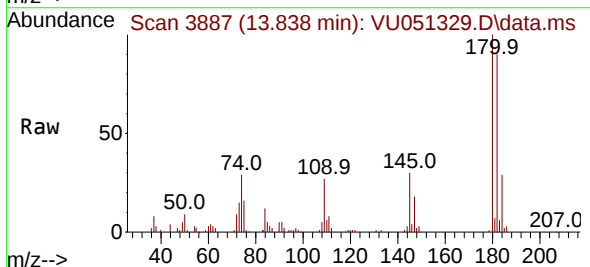
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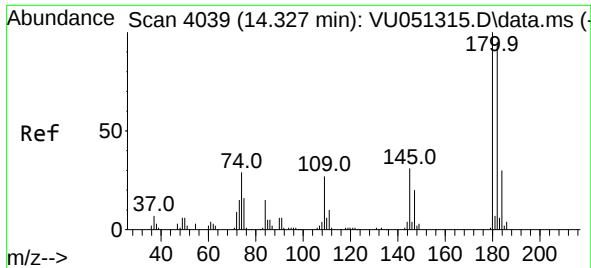
Tgt Ion:146 Resp: 4693
Ion Ratio Lower Upper
146 100
111 44.0 35.5 53.3
148 59.1 50.9 76.3



#70
1,2,4-trichlorobenzene
Concen: 3.519 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

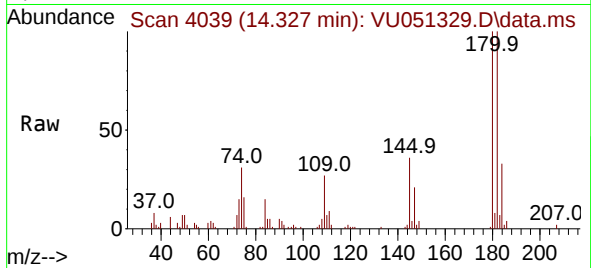
Tgt Ion:180 Resp: 43697
Ion Ratio Lower Upper
180 100
182 93.5 78.7 118.1
145 30.4 25.0 37.4





#72
1,2,3-Trichlorobenzene
Concen: 2.131 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Instrument :
MSVOA_U
ClientSampleId :
BGS18



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.6	114.8
145	34.1	25.8	38.8

