

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 :

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	
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	632	0.044	ug/L #	21
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
35) Methylcyclohexane	6.690	83	20128	0.952	ug/L #	17
37) 1,2-Dichloropropane	6.687	63	9241	0.502	ug/L #	88
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
69) 1,3,5-Trichlorobenzene	13.838	180	43697	2.501	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	43697	3.519	ug/L	96
71) Naphthalene	14.092	128	2895	0.125	ug/L #	97
72) 1,2,3-Trichlorobenzene	14.327	180	27370	2.131	ug/L	97

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Response via : Initial Calibration

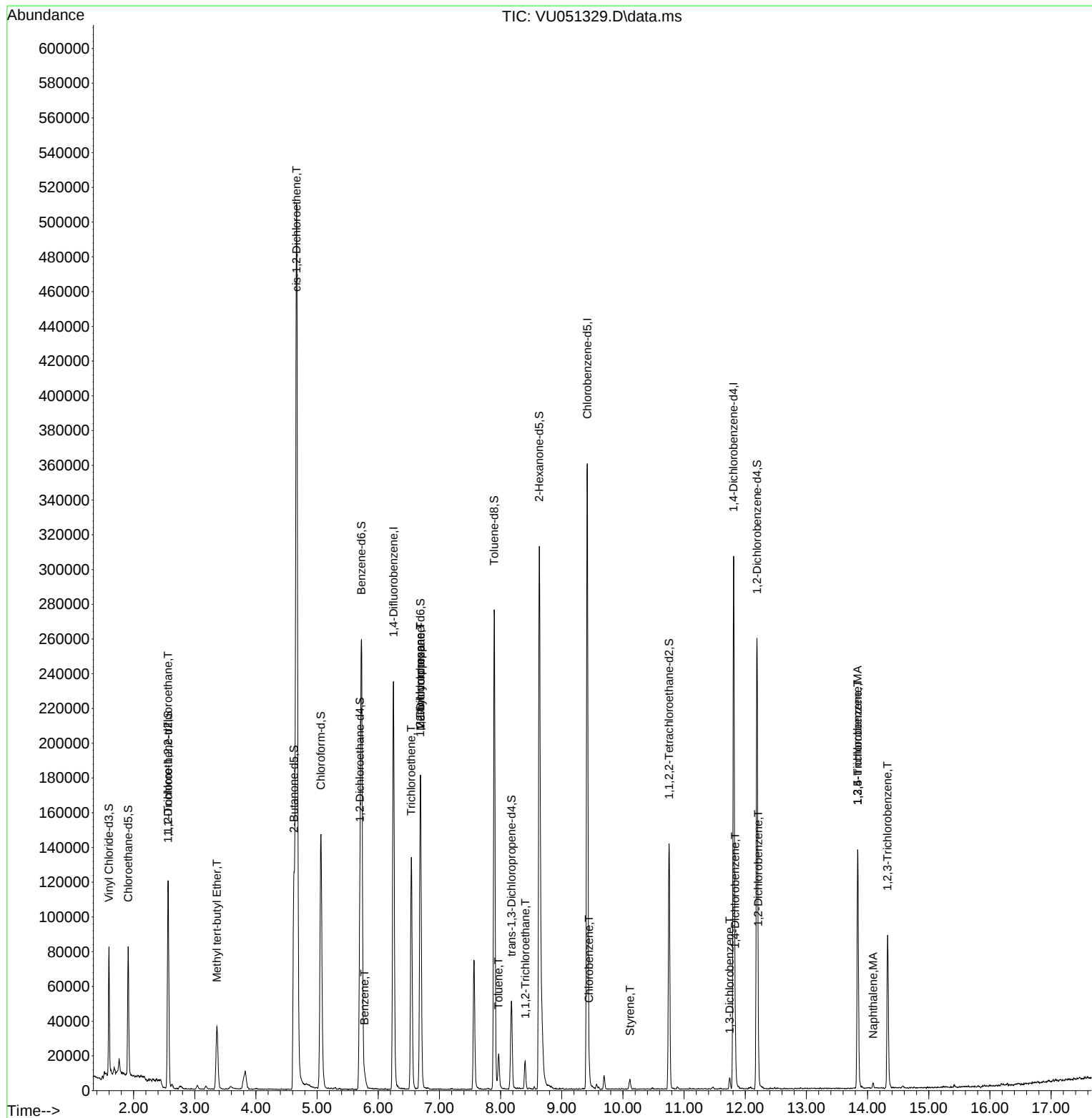
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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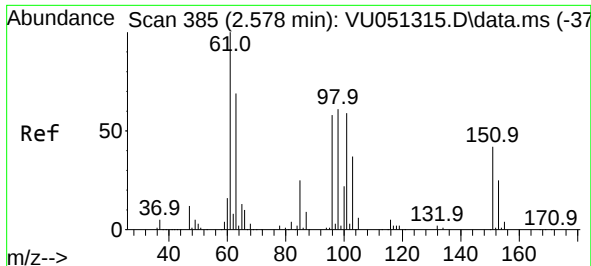
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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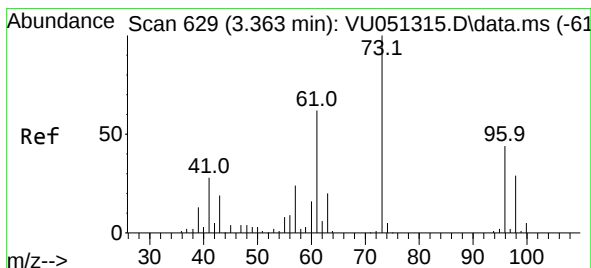
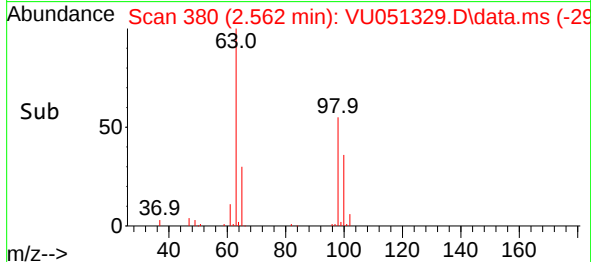
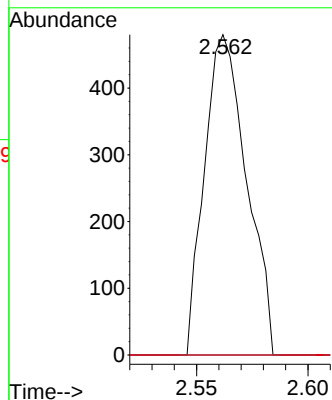
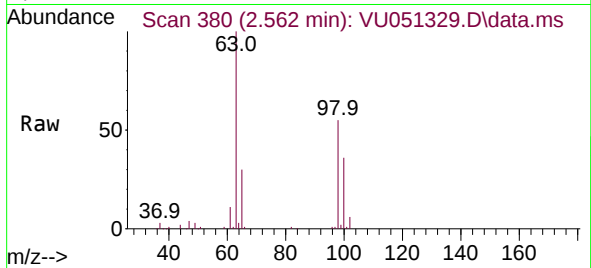




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.044 ug/L
 RT: 2.562 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU051329.D
 Acq: 10 Oct 2022 16:03

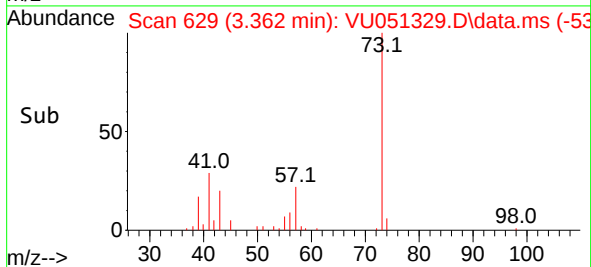
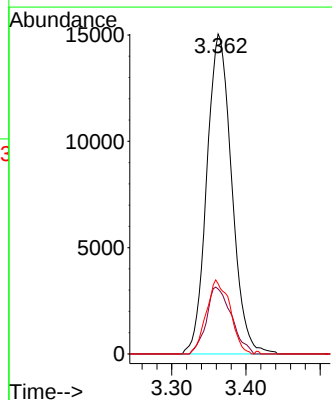
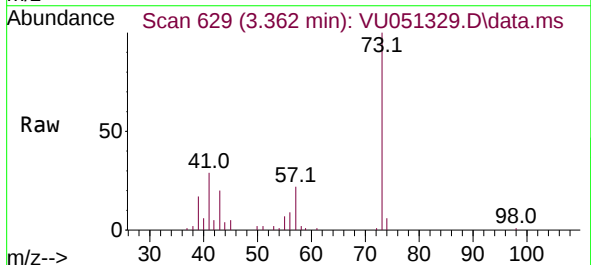
Instrument :
 MSVOA_U
 ClientSampleId :

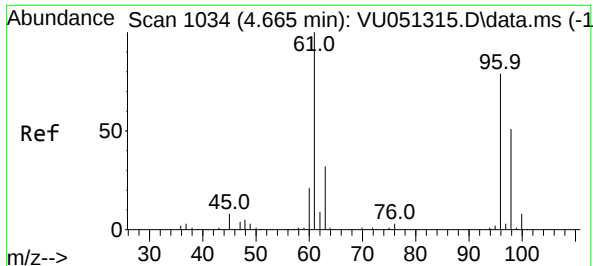
Tgt Ion:101 Resp: 632
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.5 84.7#



#17
 Methyl tert-butyl Ether
 Concen: 1.132 ug/L
 RT: 3.362 min Scan# 629
 Delta R.T. -0.000 min
 Lab File: VU051329.D
 Acq: 10 Oct 2022 16:03

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

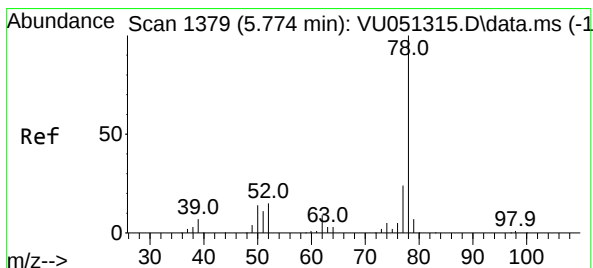
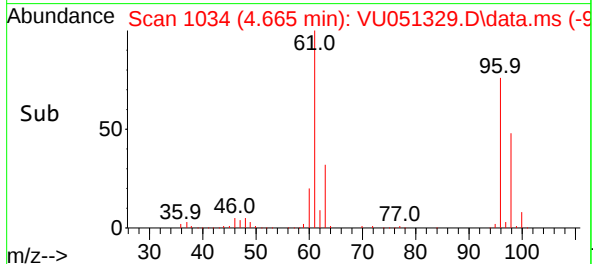
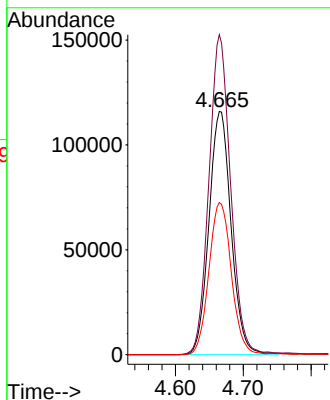
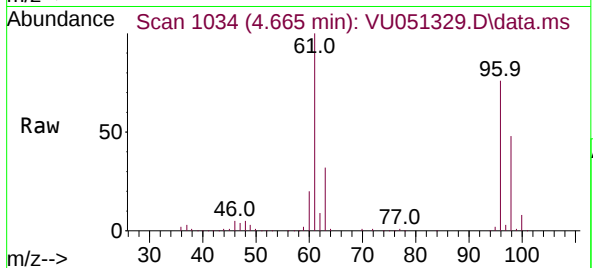




#22
 cis-1,2-Dichloroethene
 Concen: 16.727 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051329.D
 Acq: 10 Oct 2022 16:03

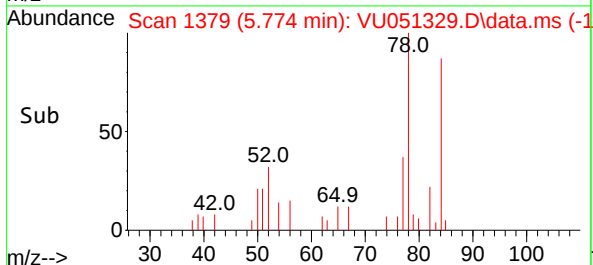
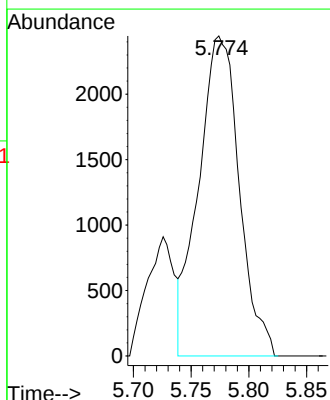
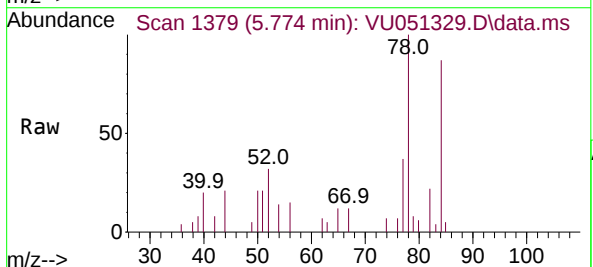
Instrument :
 MSVOA_U
 ClientSampleId :

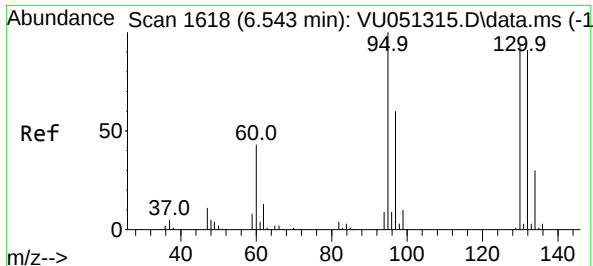
Tgt Ion: 96 Resp: 263337
 Ion Ratio Lower Upper
 96 100
 61 131.6 90.6 168.2
 98 62.6 47.5 88.3



#33
 Benzene
 Concen: 0.089 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. -0.000 min
 Lab File: VU051329.D
 Acq: 10 Oct 2022 16:03

Tgt Ion: 78 Resp: 5989

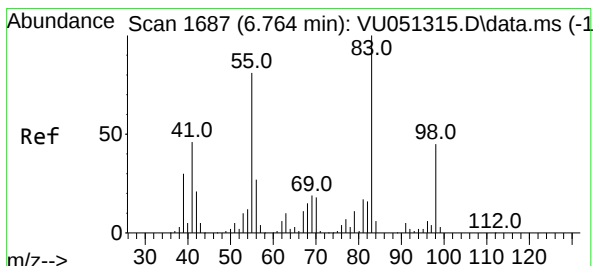
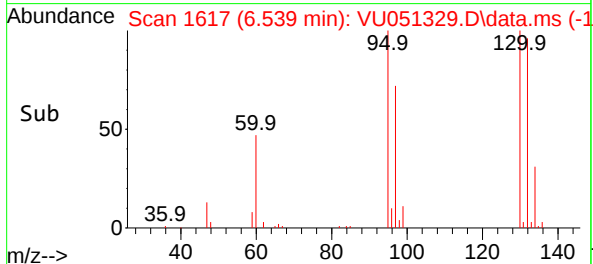
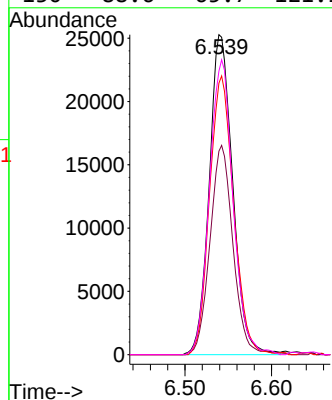
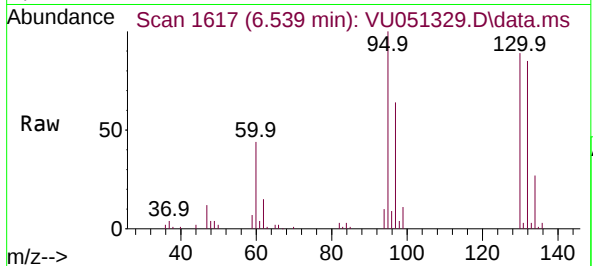




#34
Trichloroethene
Concen: 2.838 ug/L
RT: 6.539 min Scan# 1664
Delta R.T. -0.003 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

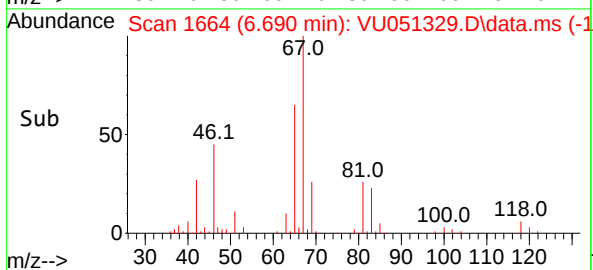
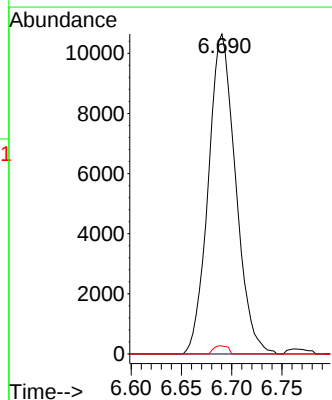
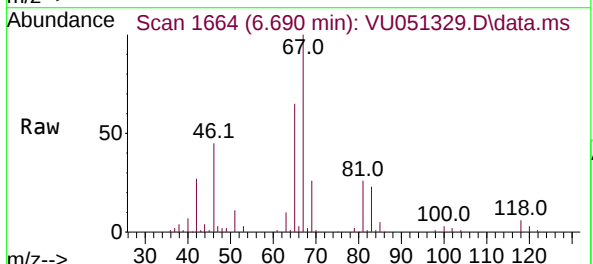
Instrument :
MSVOA_U
ClientSampleId :

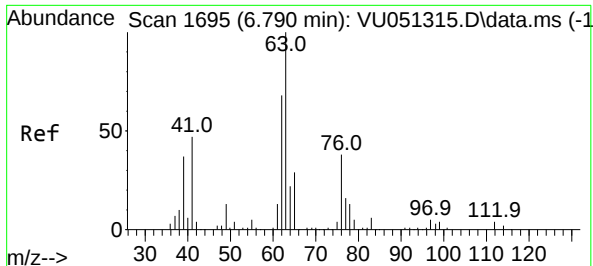
Tgt Ion: 95 Resp: 47545
Ion Ratio Lower Upper
95 100
97 63.6 45.4 84.2
132 84.8 63.1 117.3
130 88.6 65.7 121.9



#35
Methylcyclohexane
Concen: 0.952 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Tgt Ion: 83 Resp: 20128
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 1.3 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.502 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

Instrument :

MSVOA_U

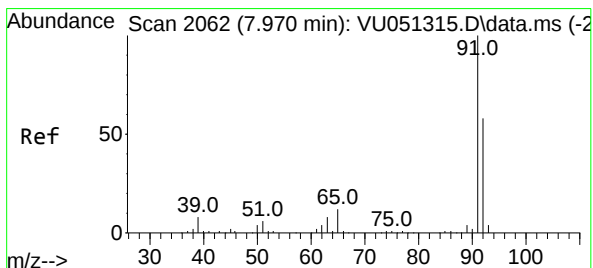
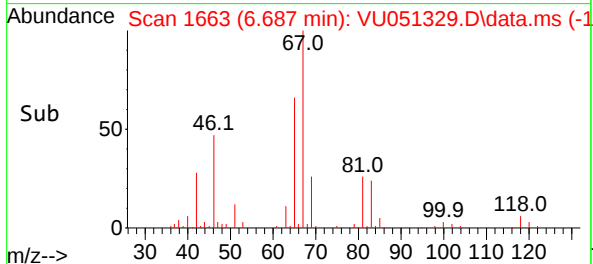
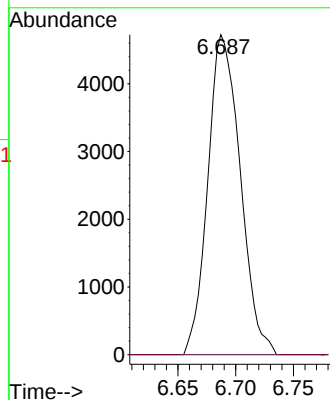
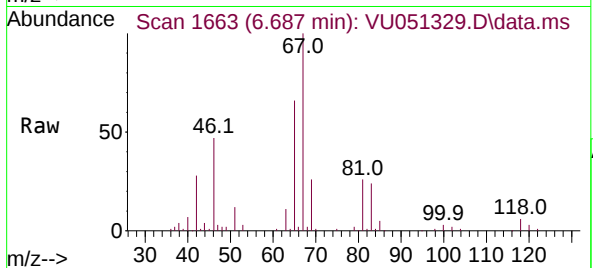
ClientSampleId :

Tgt Ion: 63 Resp: 9241

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#42

Toluene

Concen: 0.207 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU051329.D

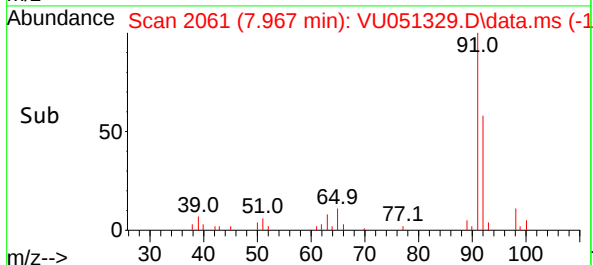
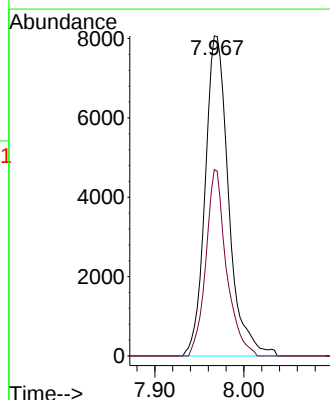
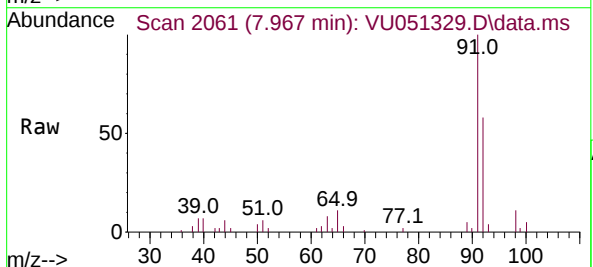
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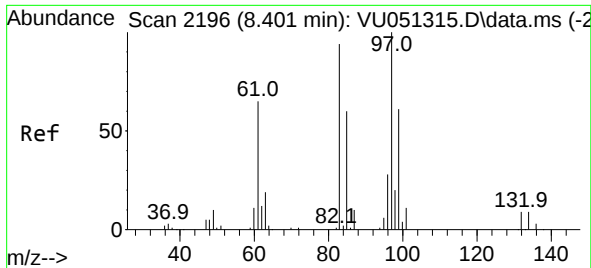
Tgt Ion: 91 Resp: 14763

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# 2196

Delta R.T. 0.003 min

Lab File: VU051329.D

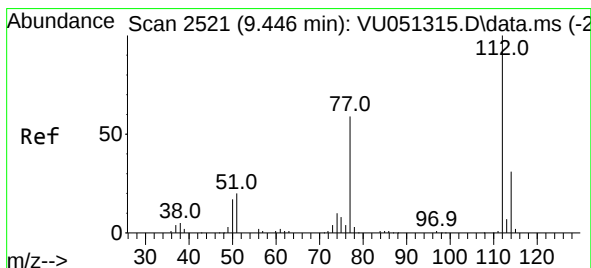
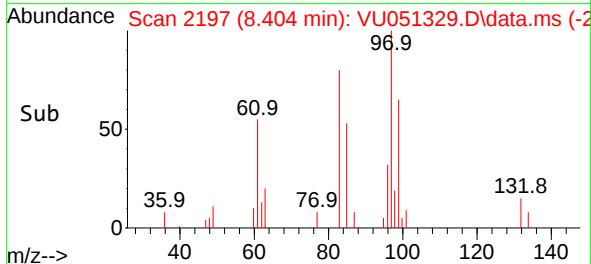
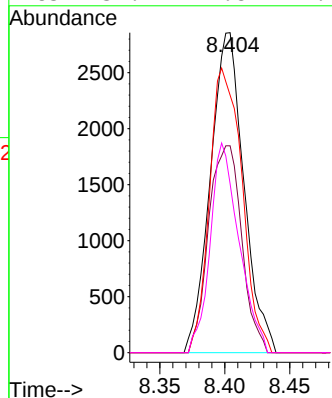
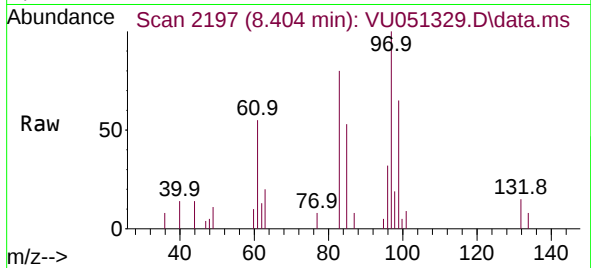
Acq: 10 Oct 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

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

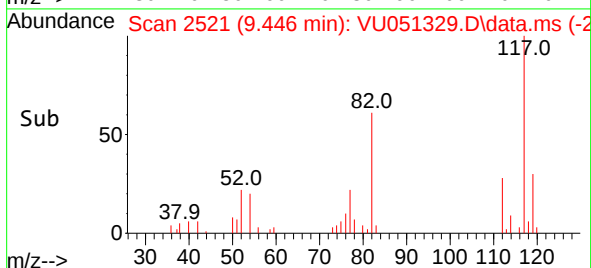
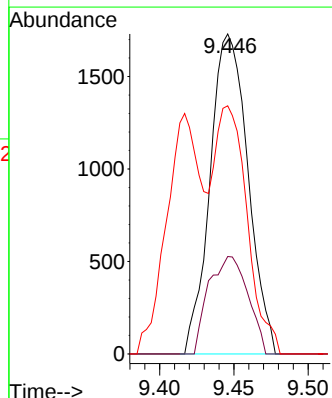
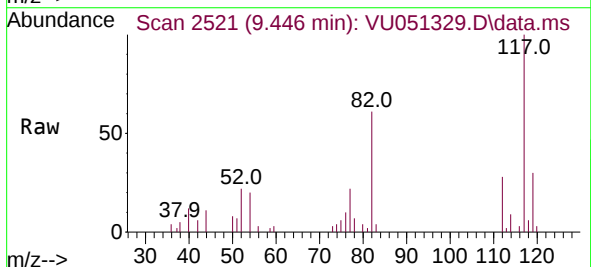
RT: 9.446 min Scan# 2521

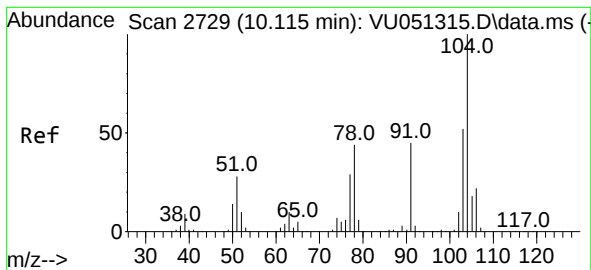
Delta R.T. -0.000 min

Lab File: VU051329.D

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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# 21

Delta R.T. 0.003 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

Instrument :

MSVOA_U

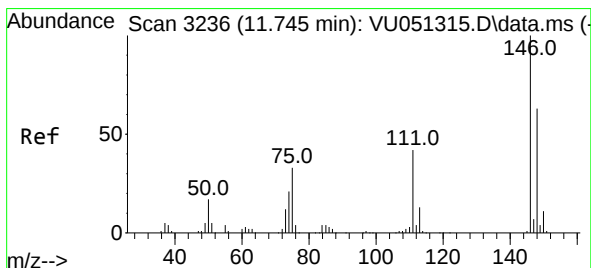
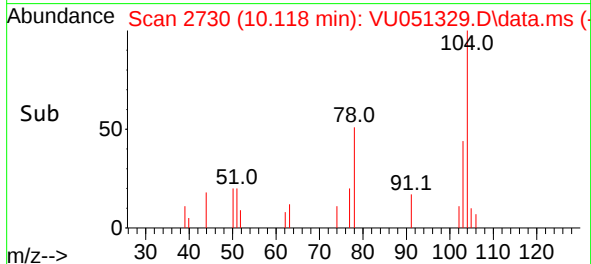
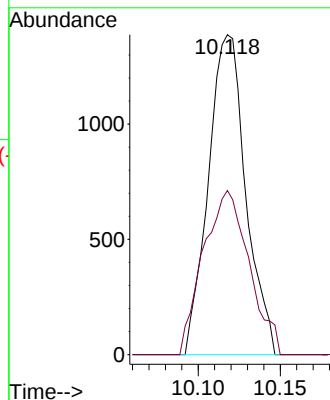
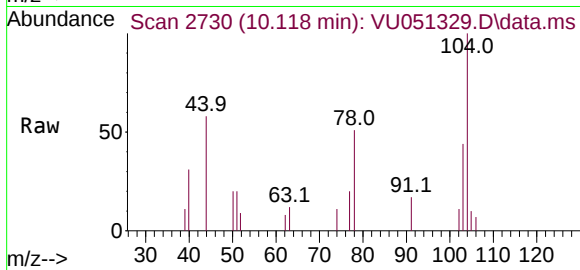
ClientSampleId :

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# 3236

Delta R.T. -0.000 min

Lab File: VU051329.D

Acq: 10 Oct 2022 16:03

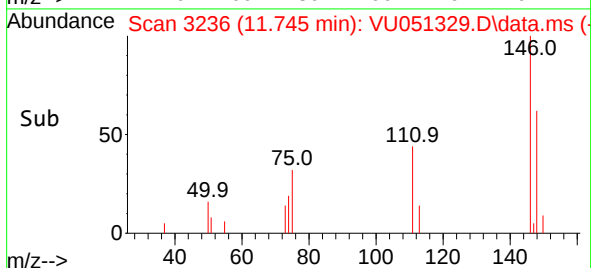
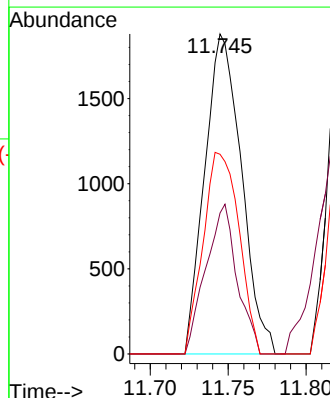
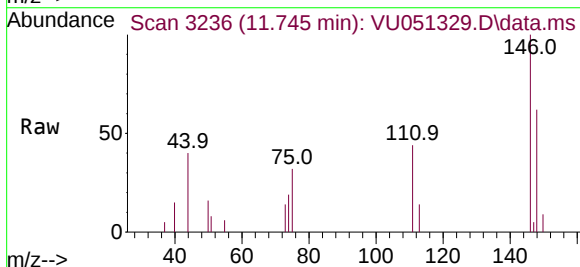
Tgt Ion:146 Resp: 3079

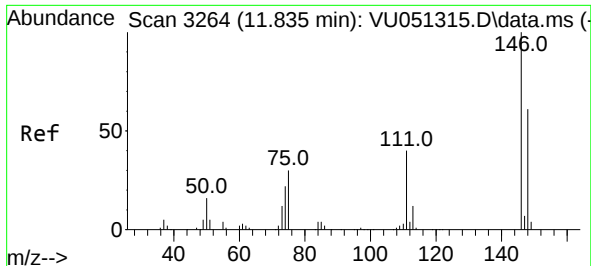
Ion Ratio Lower Upper

146 100

111 44.1 28.3 52.7

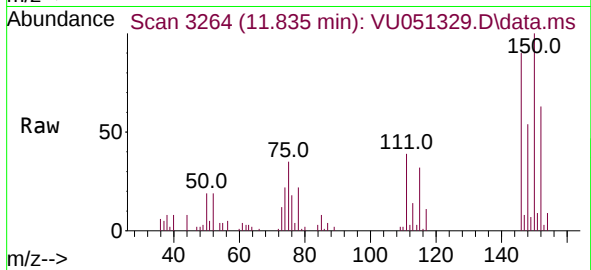
148 62.4 43.8 81.4



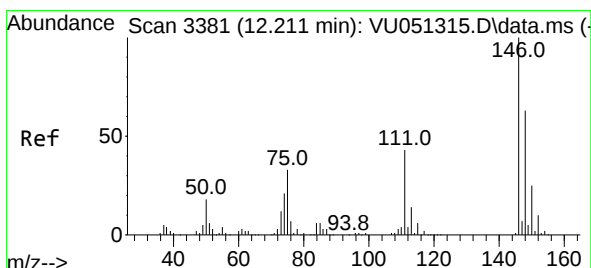
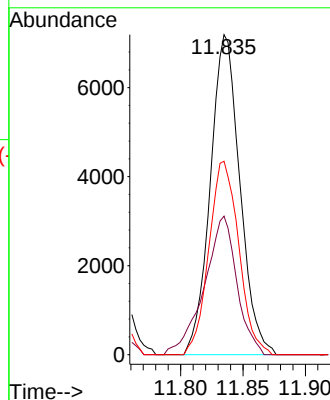
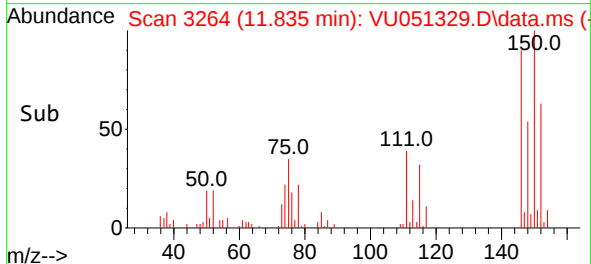


#65
1,4-Dichlorobenzene
Concen: 0.475 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

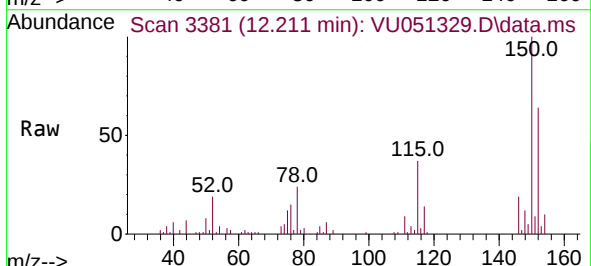
Instrument :
MSVOA_U
ClientSampleId :



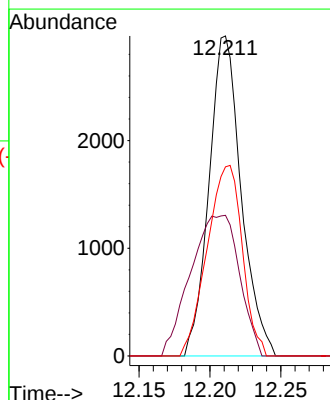
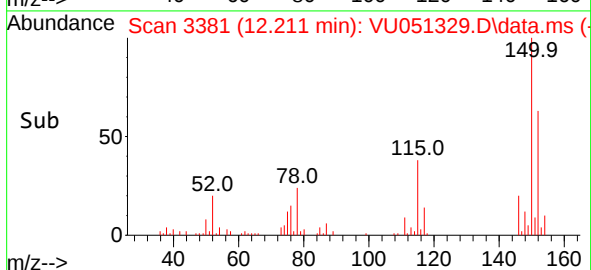
Tgt Ion:146 Resp: 11880
Ion Ratio Lower Upper
146 100
111 43.3 29.1 54.1
148 60.4 44.2 82.0

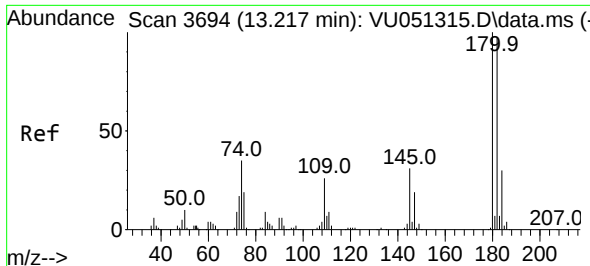


#67
1,2-Dichlorobenzene
Concen: 0.190 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03



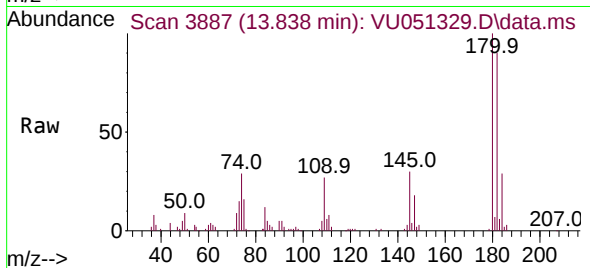
Tgt Ion:146 Resp: 4693
Ion Ratio Lower Upper
146 100
111 44.0 35.5 53.3
148 59.1 50.9 76.3



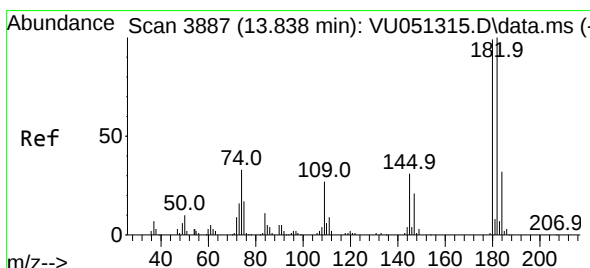
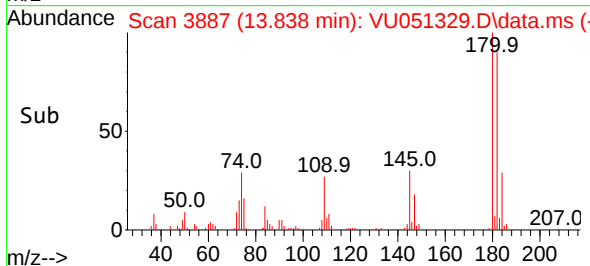
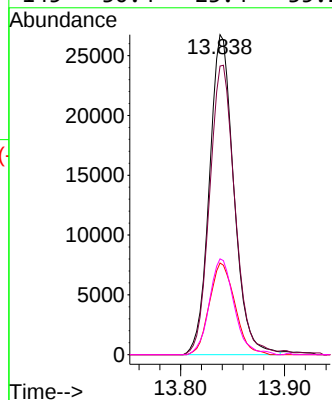


#69
 1,3,5-Trichlorobenzene
 Concen: 2.501 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.620 min
 Lab File: VU051329.D
 Acq: 10 Oct 2022 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

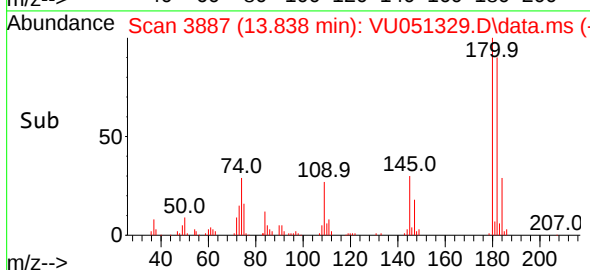
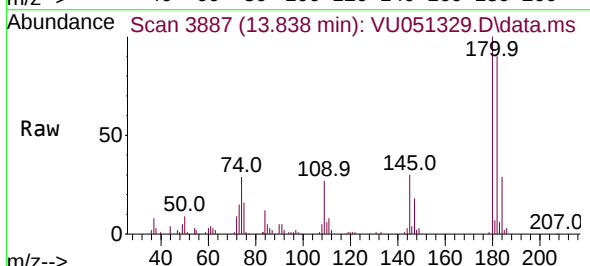
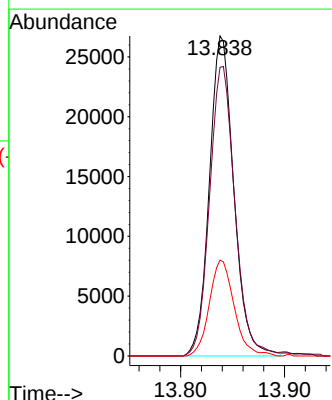


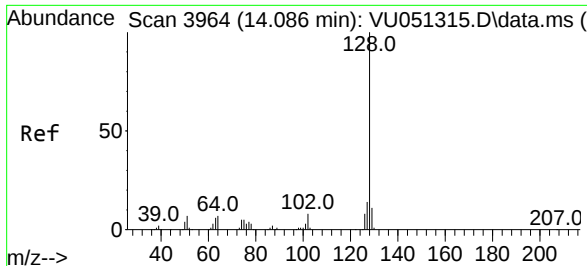
Tgt Ion:180 Resp: 43697
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.7 116.5
 184 29.9 23.6 35.4
 145 30.4 23.4 35.2



#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

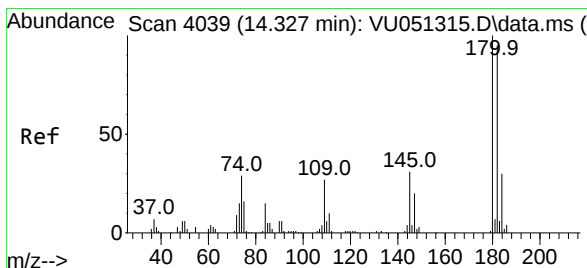
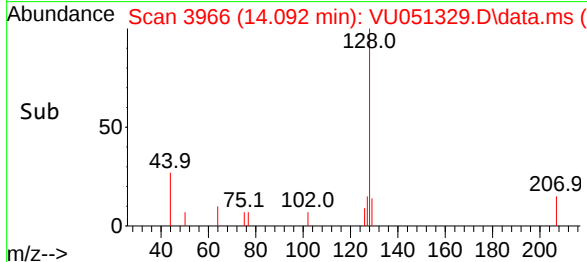
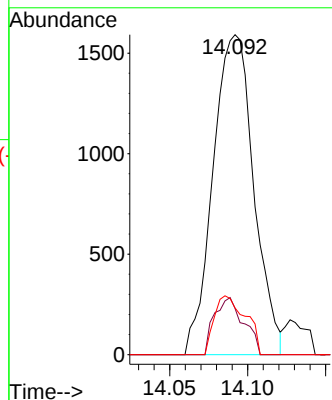
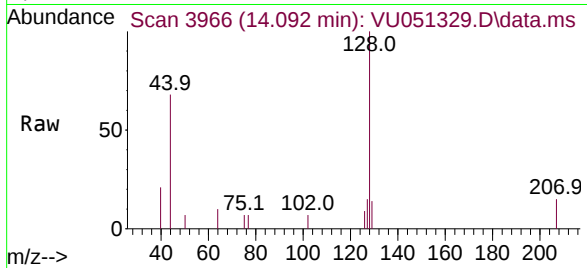




#71
Naphthalene
Concen: 0.125 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051329.D
Acq: 10 Oct 2022 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 2895
Ion Ratio Lower Upper
128 100
129 12.8 8.5 12.7#
127 14.1 11.1 16.7



#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

Tgt Ion:180 Resp: 27370
Ion Ratio Lower Upper
180 100
182 98.5 76.6 114.8
145 34.1 25.8 38.8

