

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080122\
 Data File : VW027138.D
 Acq On : 01 Aug 2022 20:30
 Operator : SY/MD
 Sample : N3897-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUP0

Quant Time: Aug 02 00:36:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 02 00:27:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	609412	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	584910	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	254112	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	186083	47.115	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.551	69	123292	41.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.440%
11) 1,1-Dichloroethene-d2	2.101	63	303774	40.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.780%
21) 2-Butanone-d5	3.873	46	252423	97.075	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.080%
24) Chloroform-d	4.342	84	387790	48.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.140%
26) 1,2-Dichloroethane-d4	5.027	65	224634	49.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.180%
32) Benzene-d6	5.043	84	785879	50.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.560%
36) 1,2-Dichloropropane-d6	6.066	67	250164	52.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.500%
41) Toluene-d8	7.313	98	712628	51.072	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.140%
43) trans-1,3-Dichloroprop...	7.619	79	104705	49.828	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.660%
47) 2-Hexanone-d5	8.088	63	185858	100.548	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.550%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	354601	49.546	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.100%
66) 1,2-Dichlorobenzene-d4	11.622	152	253815	56.834	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	112351	20.319	ug/L	98
8) Chloroethane	1.571	64	57530	18.655	ug/L	100
12) 1,1-Dichloroethene	2.111	96	74702	17.677	ug/L #	57
13) Acetone	2.162	43	104863	47.758	ug/L	98
16) Methylene chloride	2.500	84	170124	31.760	ug/L	98
19) 1,1-Dichloroethane	3.182	63	153723	18.663	ug/L	99
22) 2-Butanone	3.963	43	102384	33.838	ug/L	100
25) Chloroform	4.368	83	268042	30.908	ug/L	98
27) 1,2-Dichloroethane	5.124	62	220126	36.661	ug/L	99
31) Carbon tetrachloride	4.821	117	129649	20.557	ug/L	100
33) Benzene	5.095	78	383690	21.388	ug/L	100
34) Trichloroethene	5.908	95	231313	50.139	ug/L	98
37) 1,2-Dichloropropane	6.169	63	94099	19.980	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	217133	39.010	ug/L	98
45) 1,1,2-Trichloroethane	7.837	97	101314	20.464	ug/L	98
48) 2-Hexanone	8.140	43	185656	42.900	ug/L	99
54) o-Xylene	9.542	106	372323	51.122	ug/L	100
55) Styrene	9.558	104	353217	27.905	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.239	83	156304	19.470	ug/L	98

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Quant Time: Aug 02 00:36:41 2022
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Quant Title : VOC Analysis
QLast Update : Tue Aug 02 00:27:15 2022
Response via : Initial Calibration

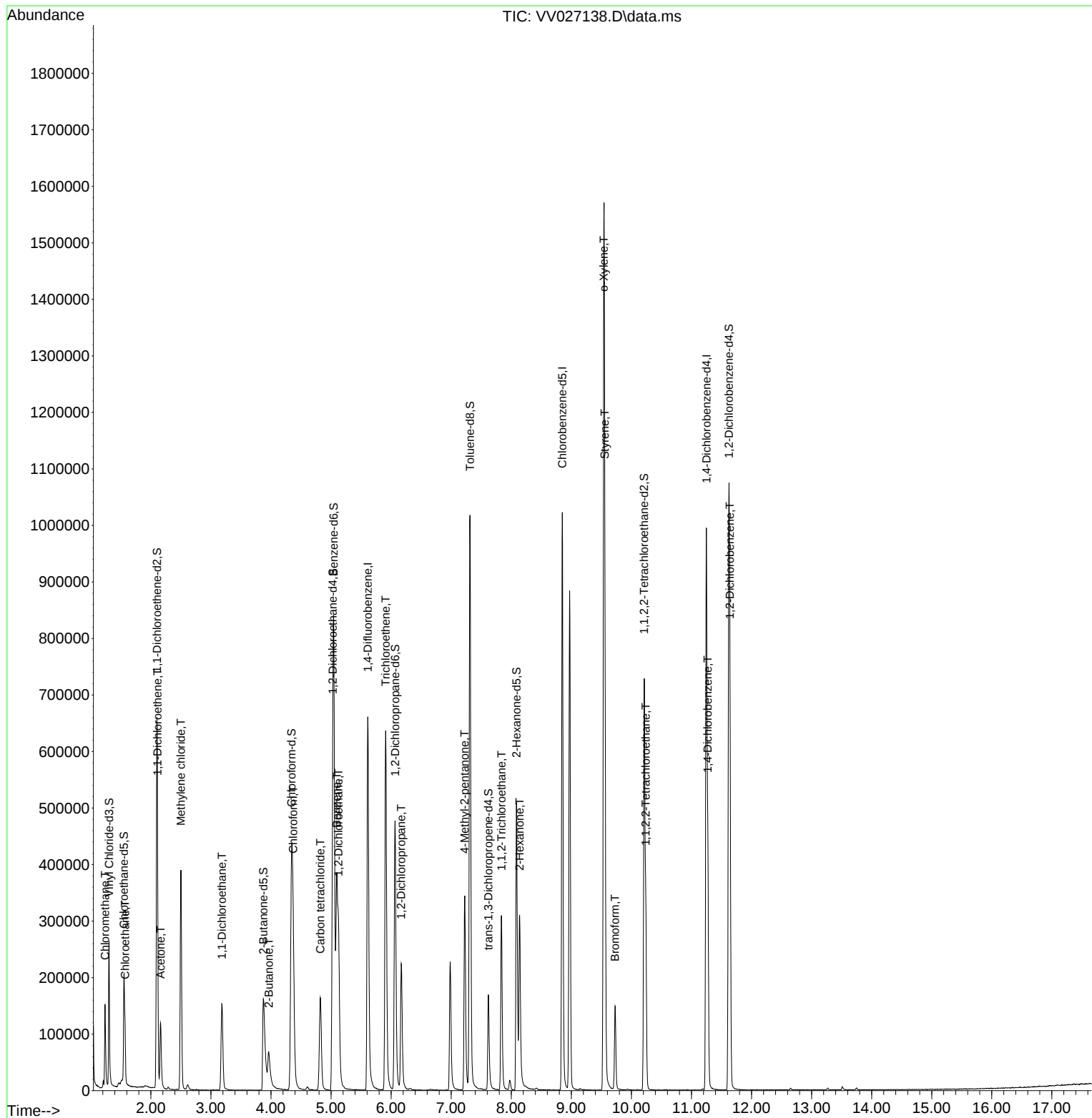
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Bromoform	9.728	173	67395	22.972	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	177689	21.919	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	238020	29.496	ug/L	99

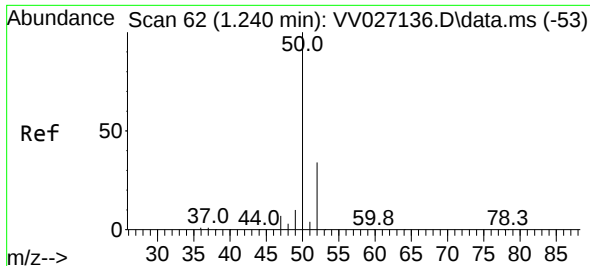
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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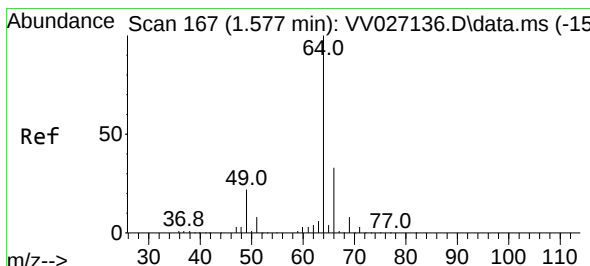
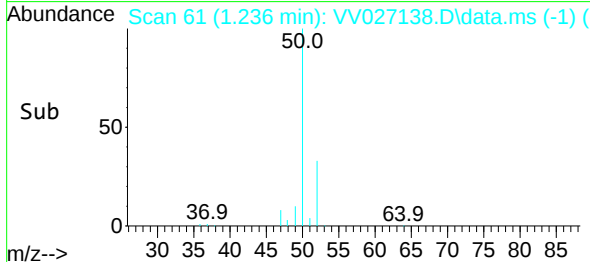
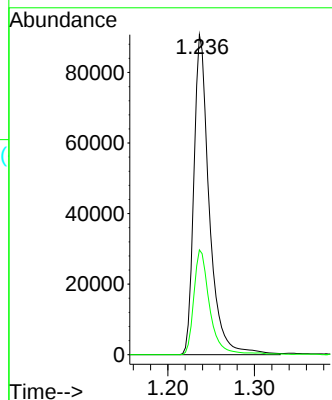
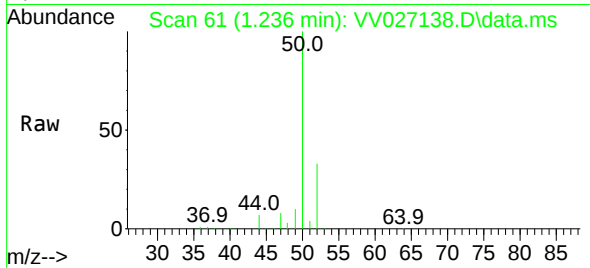




#3
Chloromethane
Concen: 20.319 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

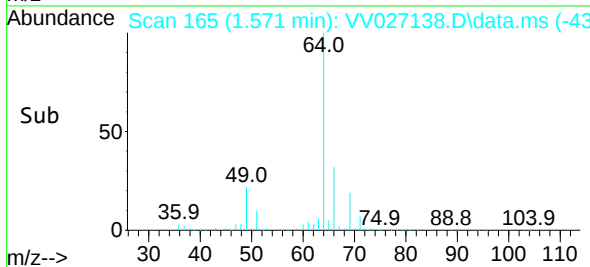
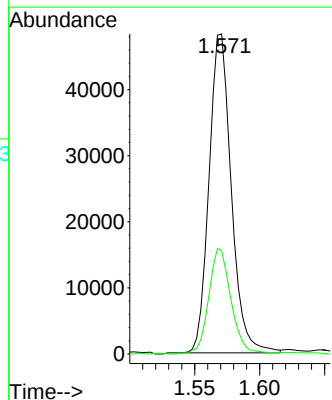
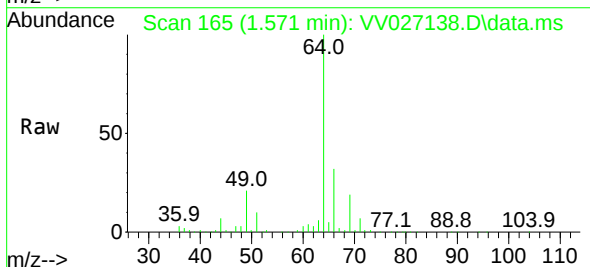
Instrument :
MSVOA_V
ClientSampleId :
DBUP0

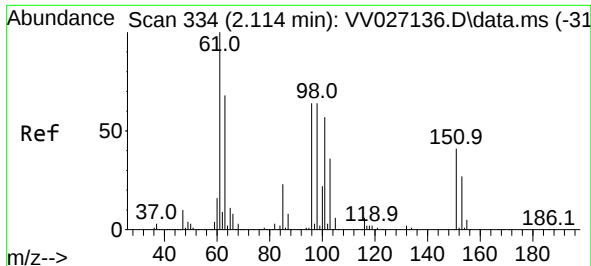
Tgt Ion: 50 Resp: 112351
Ion Ratio Lower Upper
50 100
52 32.7 23.7 43.9



#8
Chloroethane
Concen: 18.655 ug/L
RT: 1.571 min Scan# 165
Delta R.T. -0.006 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion: 64 Resp: 57530
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0

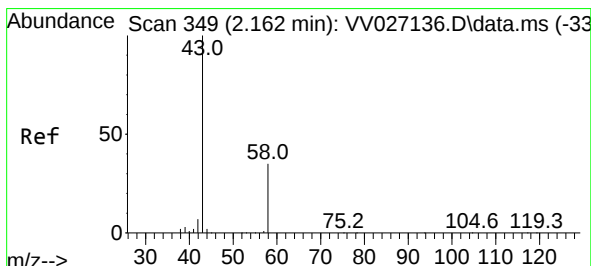
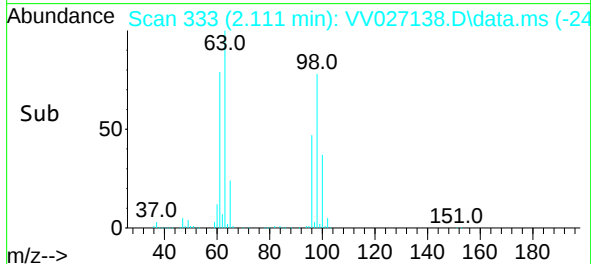
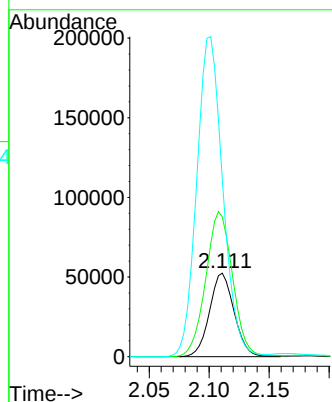
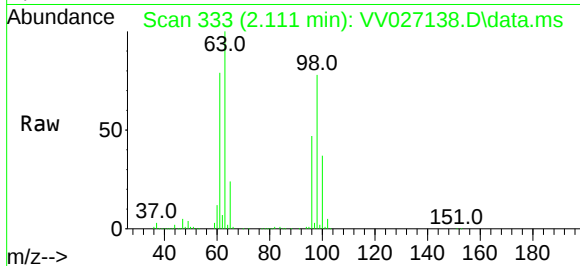




#12
1,1-Dichloroethene
Concen: 17.677 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

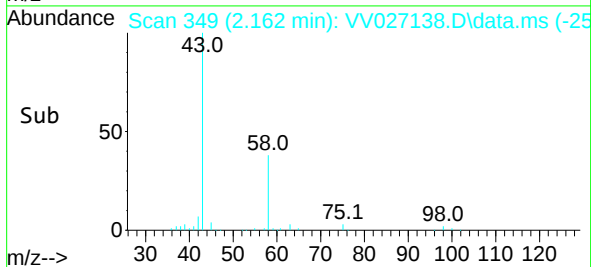
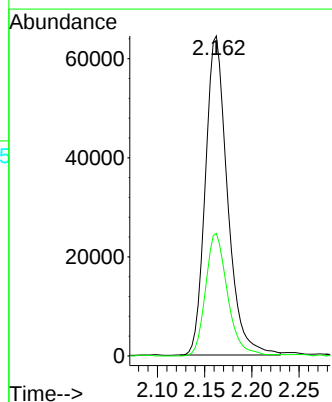
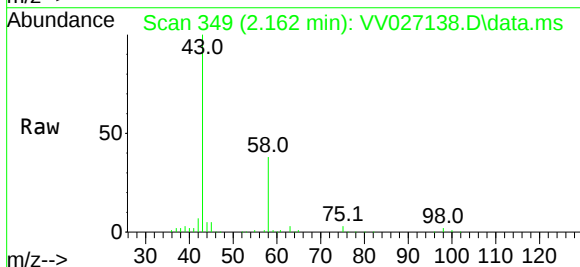
Instrument :
MSVOA_V
ClientSampleId :
DBUP0

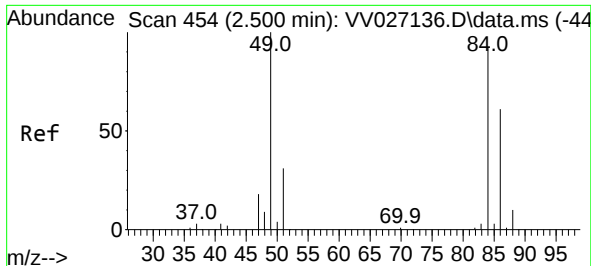
Tgt Ion: 96 Resp: 74702
Ion Ratio Lower Upper
96 100
61 167.3 110.7 205.5
63 213.0 78.4 145.6#



#13
Acetone
Concen: 47.758 ug/L
RT: 2.162 min Scan# 349
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

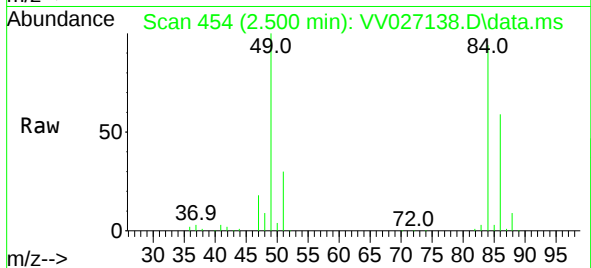
Tgt Ion: 43 Resp: 104863
Ion Ratio Lower Upper
43 100
58 38.2 0.0 73.6





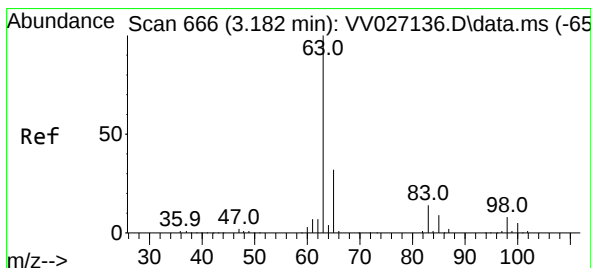
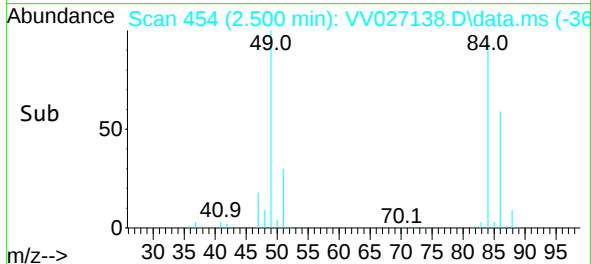
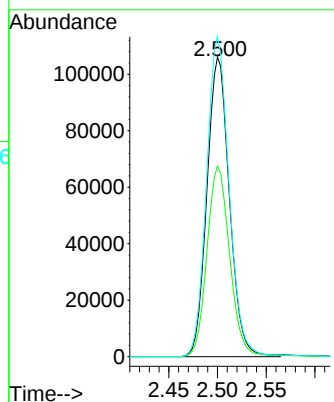
#16
Methylene chloride
Concen: 31.760 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Instrument :
MSVOA_V
ClientSampleId :
DBUP0



Tgt Ion: 84 Resp: 170124

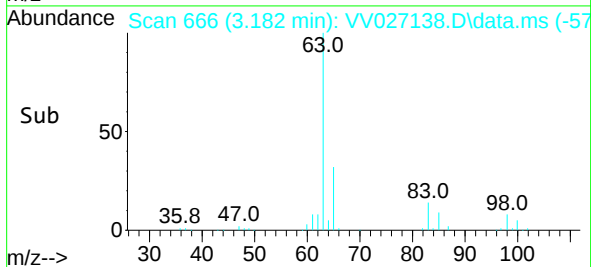
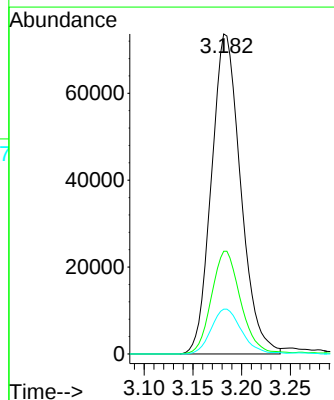
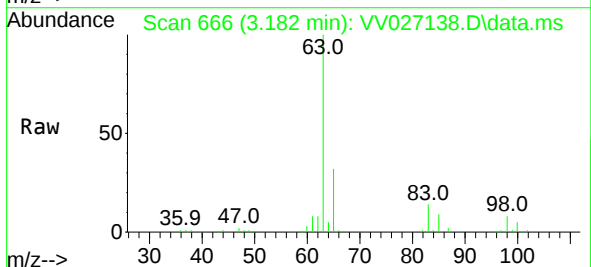
Ion	Ratio	Lower	Upper
84	100		
86	63.6	45.3	84.1
49	106.8	76.0	141.2

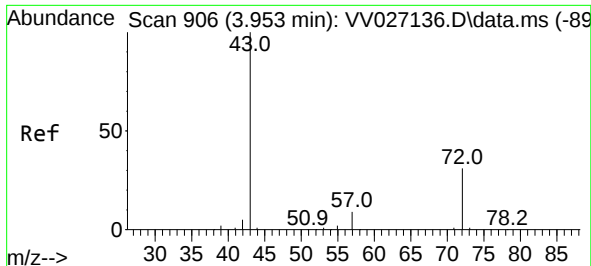


#19
1,1-Dichloroethane
Concen: 18.663 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion: 63 Resp: 153723

Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.9	42.5
83	14.0	9.7	17.9

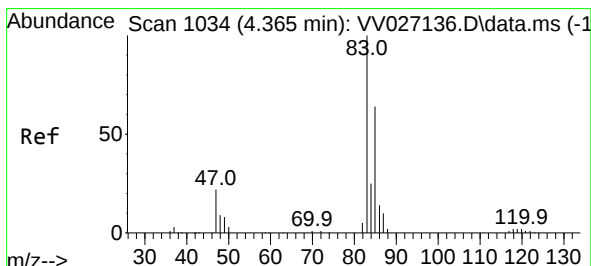
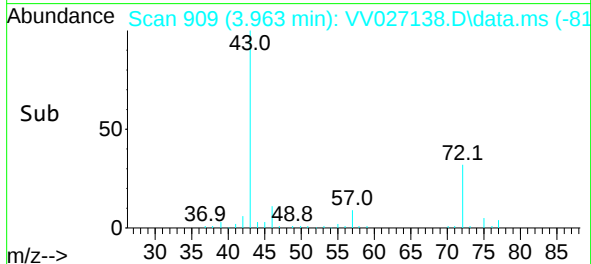
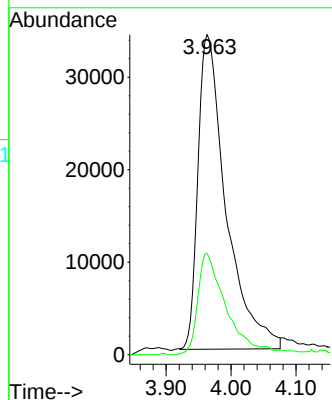
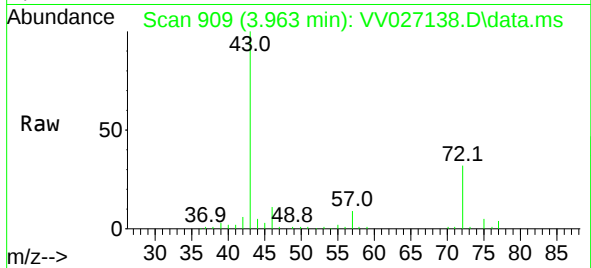




#22
2-Butanone
Concen: 33.838 ug/L
RT: 3.963 min Scan# 909
Delta R.T. 0.010 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

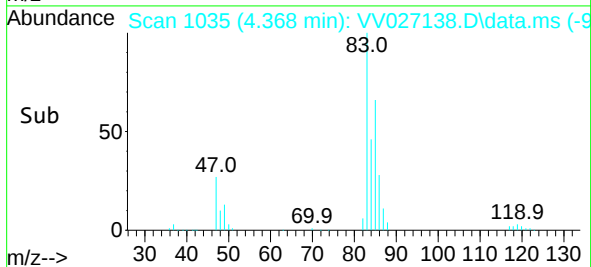
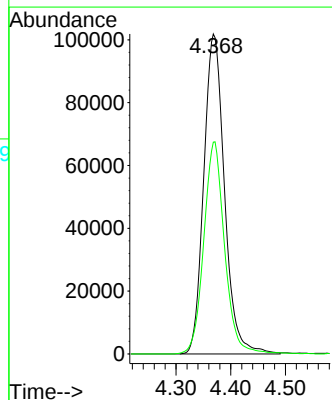
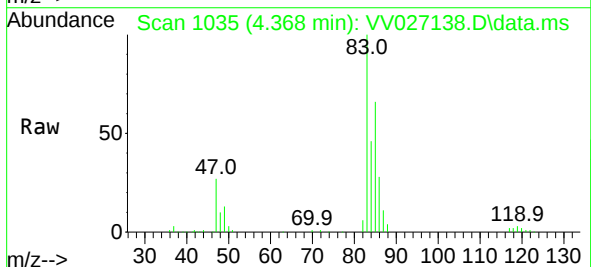
Instrument :
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ClientSampleId :
DBUP0

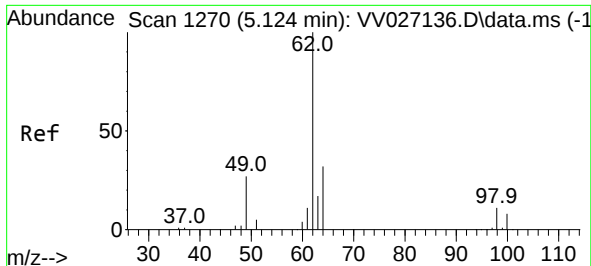
Tgt Ion: 43 Resp: 102384
Ion Ratio Lower Upper
43 100
72 31.5 15.7 47.1



#25
Chloroform
Concen: 30.908 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion: 83 Resp: 268042
Ion Ratio Lower Upper
83 100
85 66.2 45.3 84.1

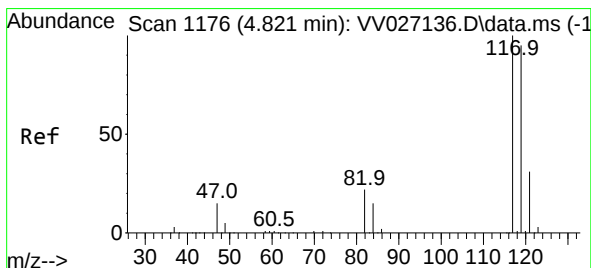
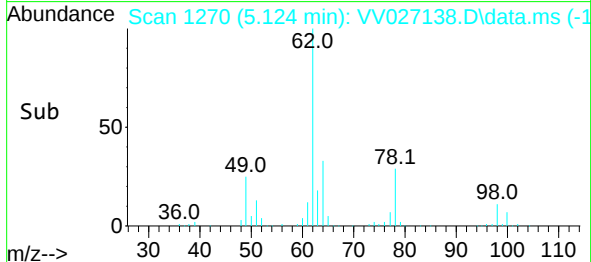
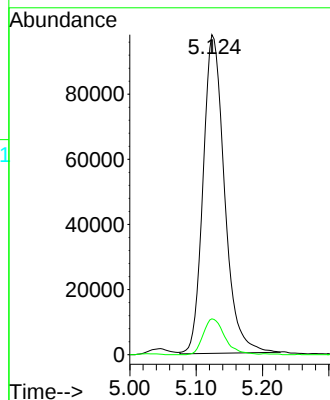
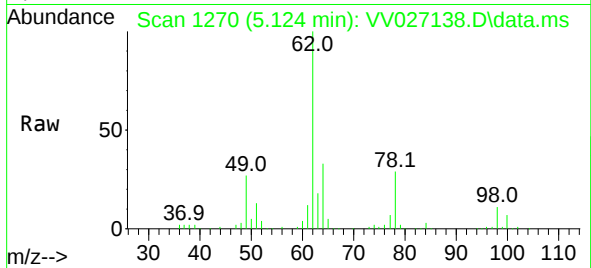




#27
1,2-Dichloroethane
Concen: 36.661 ug/L
RT: 5.124 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

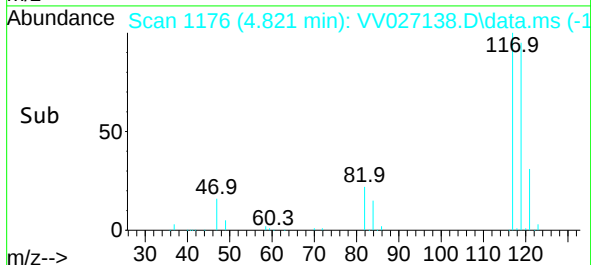
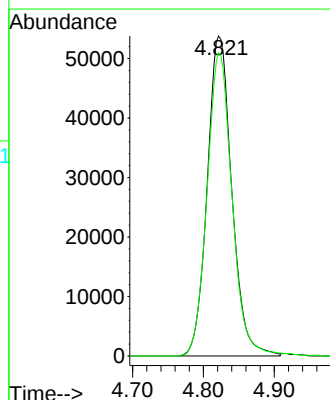
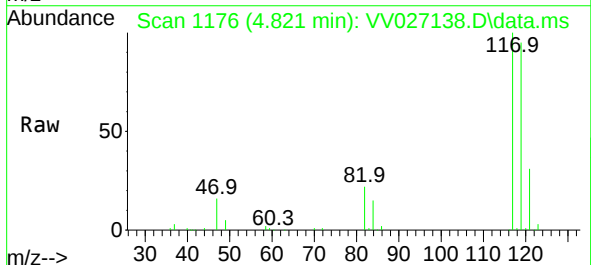
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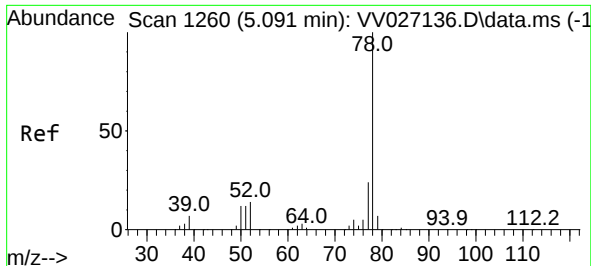
Tgt Ion: 62 Resp: 220126
Ion Ratio Lower Upper
62 100
98 11.2 9.2 13.8



#31
Carbon tetrachloride
Concen: 20.557 ug/L
RT: 4.821 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion: 117 Resp: 129649
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7

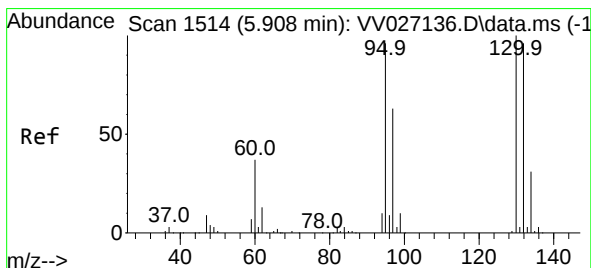
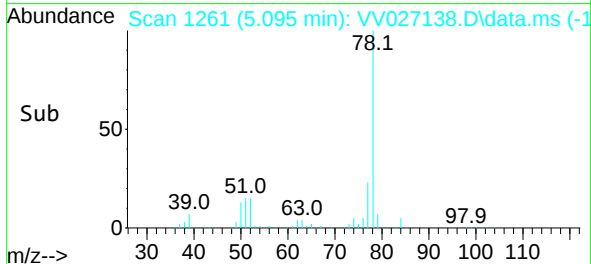
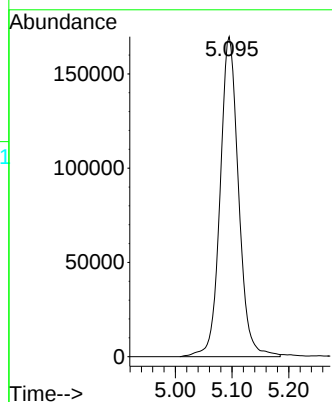
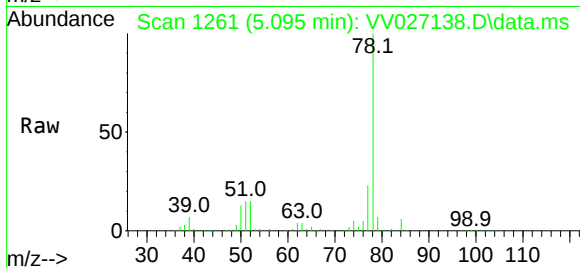




#33
Benzene
Concen: 21.388 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

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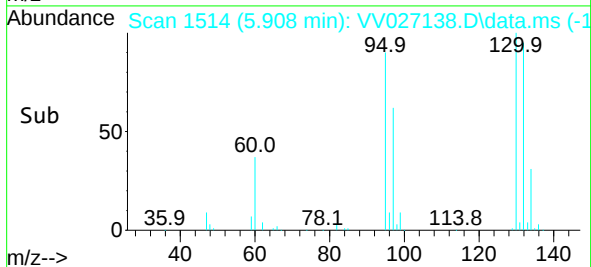
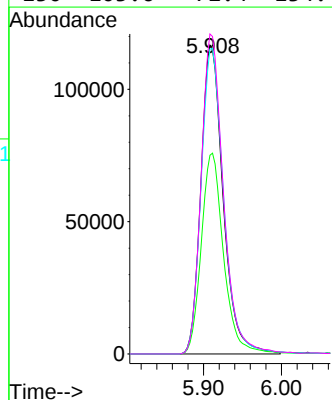
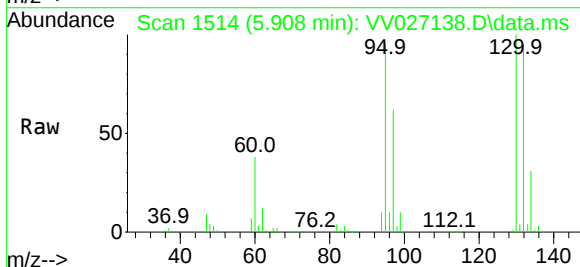
Tgt Ion: 78 Resp: 383690

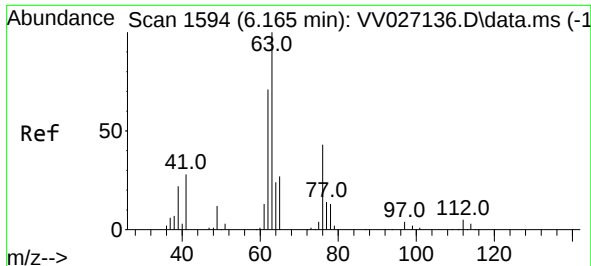


#34
Trichloroethene
Concen: 50.139 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion: 95 Resp: 231313

Ion	Ratio	Lower	Upper
95	100		
97	64.4	47.0	87.2
132	98.8	71.5	132.7
130	103.6	72.4	134.4





#37

1,2-Dichloropropane

Concen: 19.980 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV027138.D

Acq: 01 Aug 2022 20:30

Instrument :

MSVOA_V

ClientSampleId :

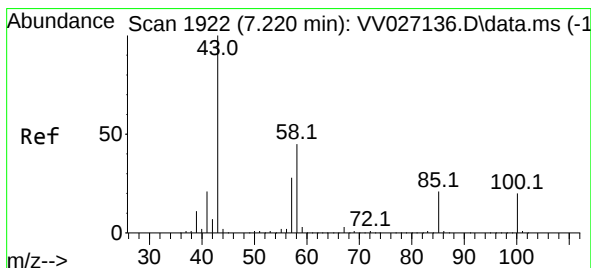
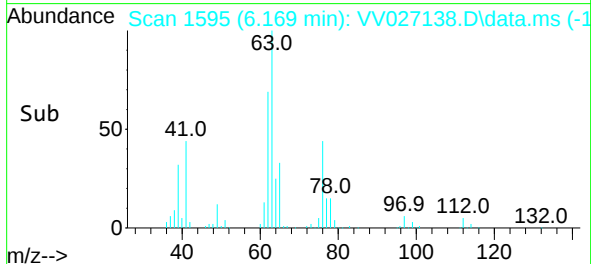
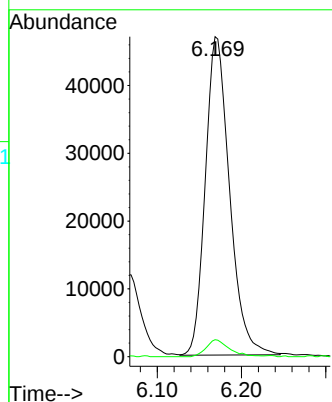
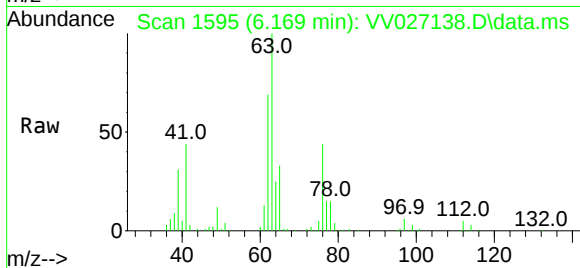
DBUP0

Tgt Ion: 63 Resp: 94099

Ion Ratio Lower Upper

63 100

112 4.7 4.0 6.0



#40

4-Methyl-2-pentanone

Concen: 39.010 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV027138.D

Acq: 01 Aug 2022 20:30

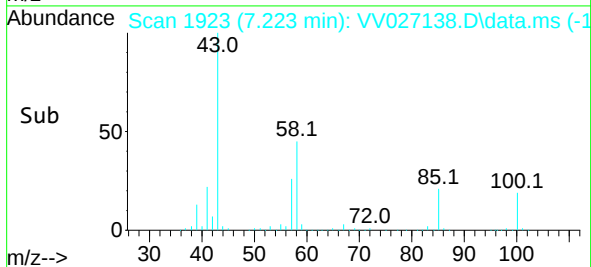
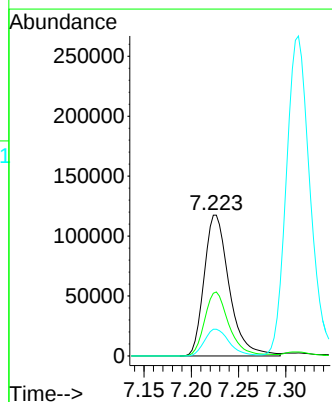
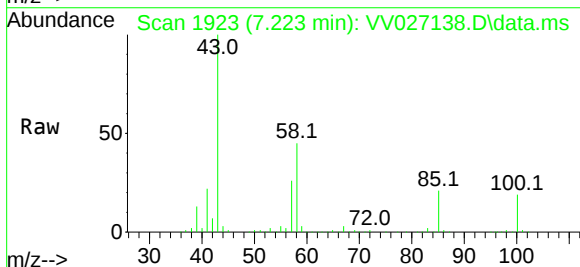
Tgt Ion: 43 Resp: 217133

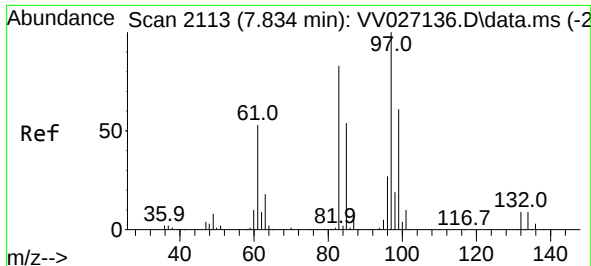
Ion Ratio Lower Upper

43 100

58 44.1 36.1 54.1

100 18.9 15.8 23.6

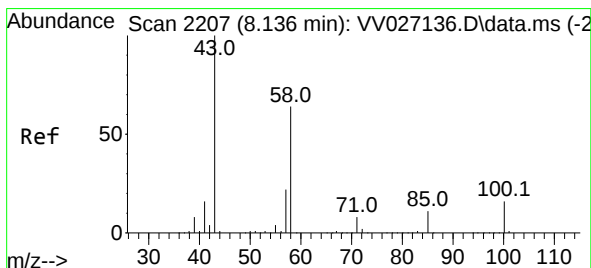
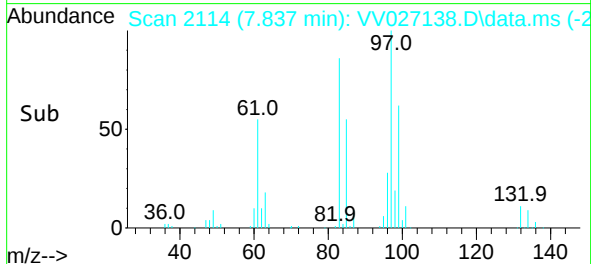
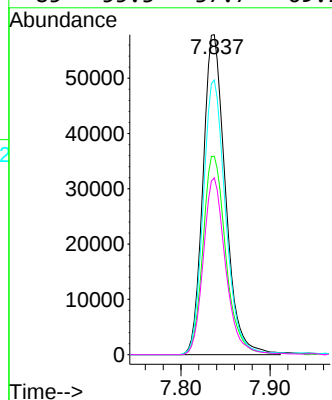
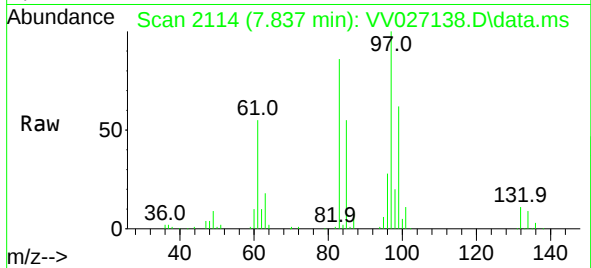




#45
1,1,2-Trichloroethane
Concen: 20.464 ug/L
RT: 7.837 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

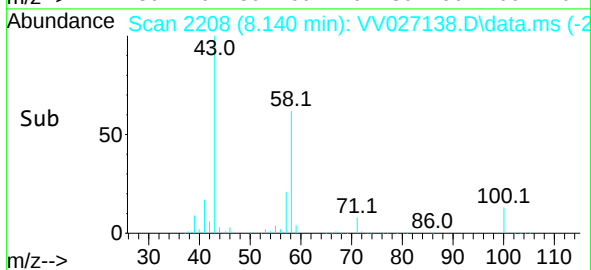
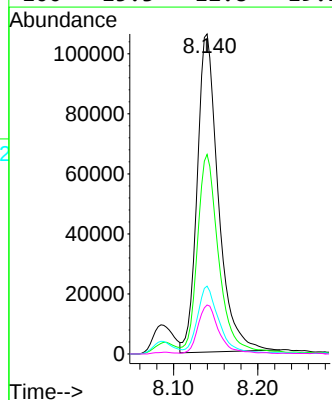
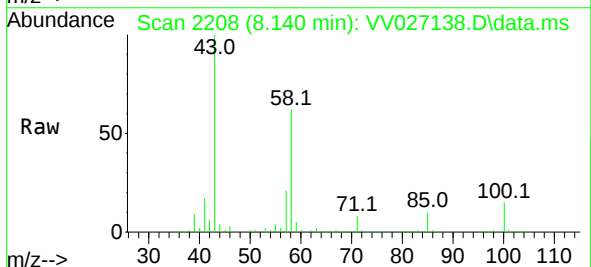
Instrument :
MSVOA_V
ClientSampleId :
DBUP0

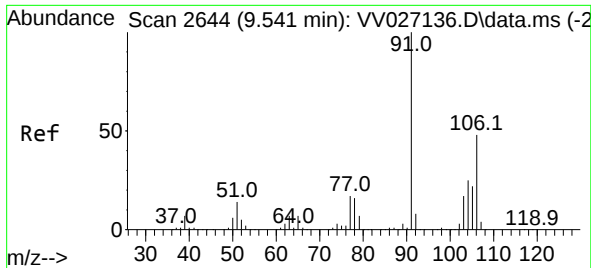
Tgt Ion:	97	Resp:	101314
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.5
83	85.9	58.2	108.2
85	55.3	37.7	69.9



#48
2-Hexanone
Concen: 42.900 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.003 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion:	43	Resp:	185656
Ion	Ratio	Lower	Upper
43	100		
58	63.3	51.3	76.9
57	21.4	16.7	25.1
100	15.3	12.8	19.2

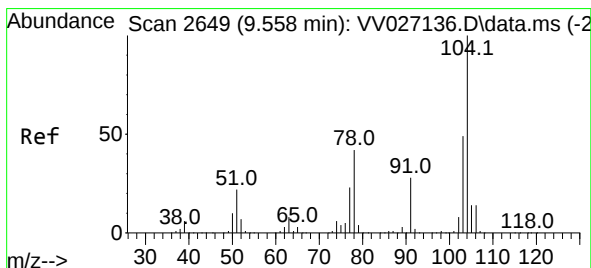
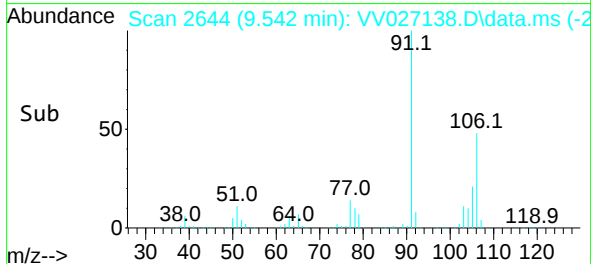
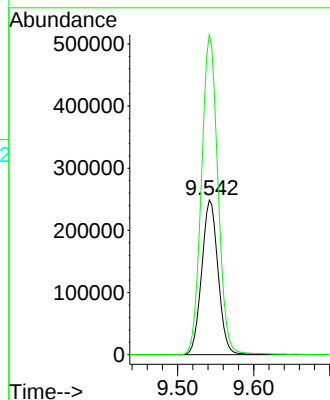
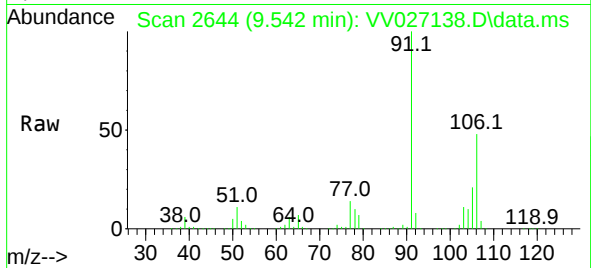




#54
o-Xylene
Concen: 51.122 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

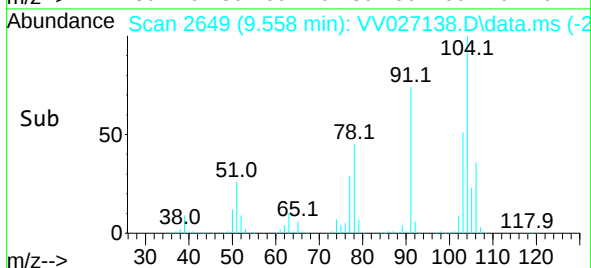
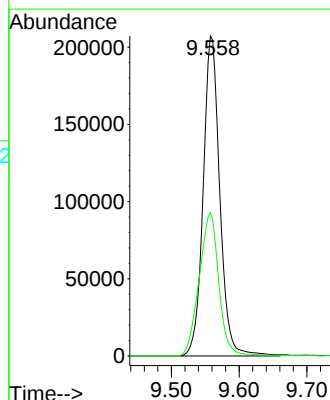
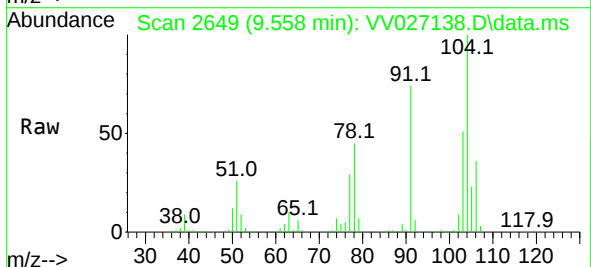
Instrument :
MSVOA_V
ClientSampleId :
DBUP0

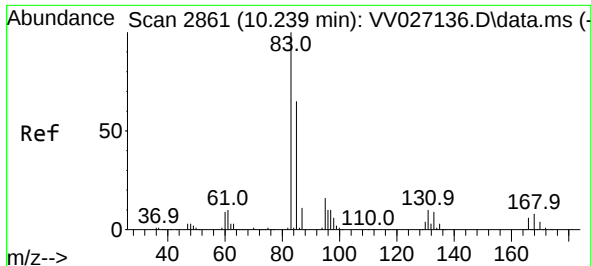
Tgt Ion:106 Resp: 372323
Ion Ratio Lower Upper
106 100
91 206.8 145.1 269.5



#55
Styrene
Concen: 27.905 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion:104 Resp: 353217
Ion Ratio Lower Upper
104 100
78 44.7 29.2 54.2

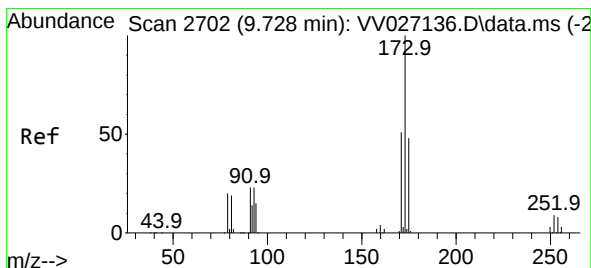
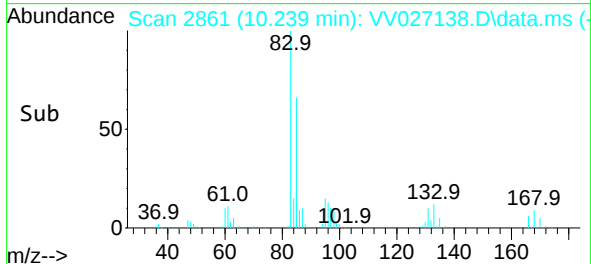
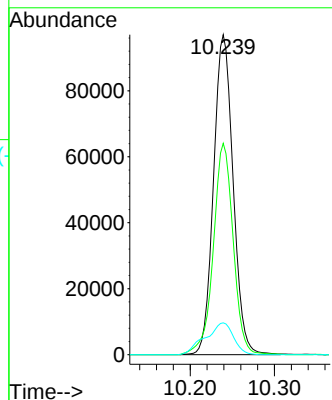
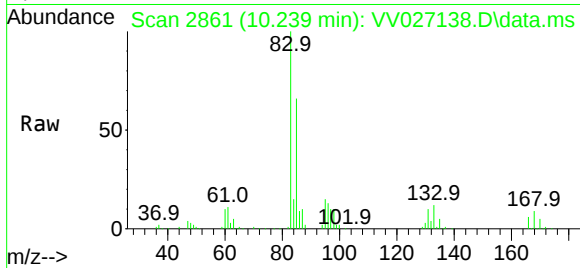




#57
 1,1,2,2-Tetrachloroethane
 Concen: 19.470 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV027138.D
 Acq: 01 Aug 2022 20:30

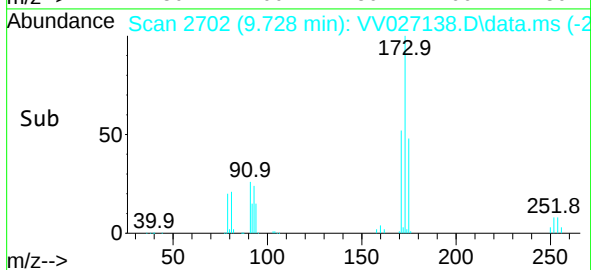
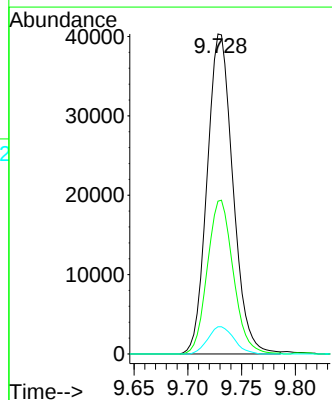
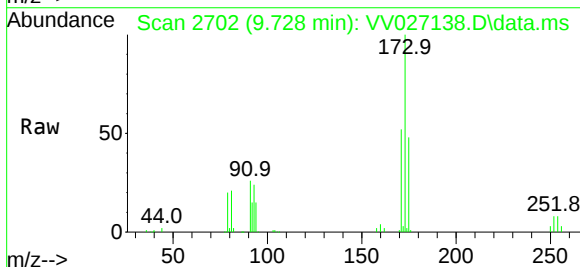
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUP0

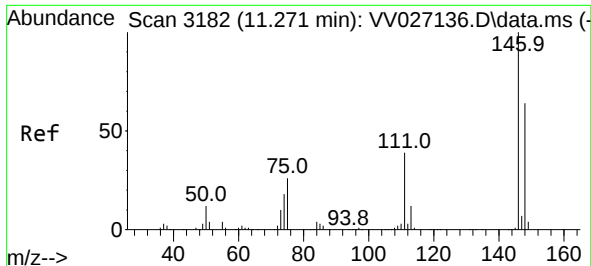
Tgt Ion: 83 Resp: 156304
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.2 84.0
 131 10.0 7.8 11.6



#59
 Bromoform
 Concen: 22.972 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV027138.D
 Acq: 01 Aug 2022 20:30

Tgt Ion: 173 Resp: 67395
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.2 57.4
 254 8.6 6.8 10.2

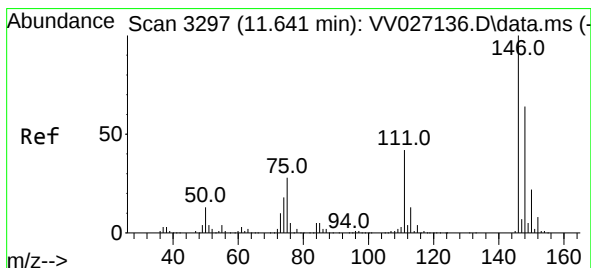
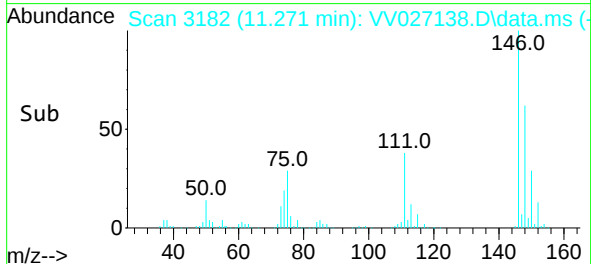
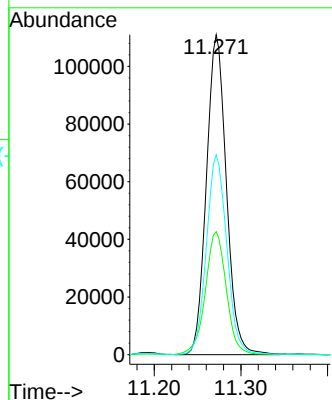
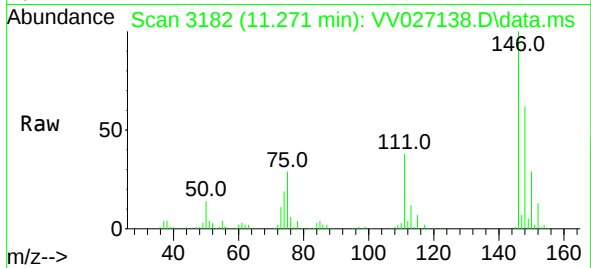




#65
1,4-Dichlorobenzene
Concen: 21.919 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Instrument :
MSVOA_V
ClientSampleId :
DBUP0

Tgt Ion:146 Resp: 177689
Ion Ratio Lower Upper
146 100
111 38.5 27.2 50.4
148 62.4 44.2 82.2



#67
1,2-Dichlorobenzene
Concen: 29.496 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV027138.D
Acq: 01 Aug 2022 20:30

Tgt Ion:146 Resp: 238020
Ion Ratio Lower Upper
146 100
111 42.5 32.8 49.2
148 63.7 50.5 75.7

