

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028570.D
 Acq On : 15 Oct 2022 00:00
 Operator : SY/MD
 Sample : N5060-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C1BC3

Quant Time: Oct 15 03:02:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:57:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	191108	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.847	117	176585	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	77349	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	80165	4.874	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.568	69	66572	4.923	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.104	63	106094	3.561	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.200%
20) 2-Butanone-d5	3.899	46	147447	41.701	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.400%
24) Chloroform-d	4.346	84	102856	4.084	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.030	65	55902	4.259	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
32) Benzene-d6	5.046	84	221595	3.886	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.066	67	69930	3.801	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.000%
41) Toluene-d8	7.313	98	182158	4.032	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.625	79	17311	2.785	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.600%
46) 2-Hexanone-d5	8.088	63	102861	38.339	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.680%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	46045	4.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	11.619	152	55224	4.327	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%

Target Compounds				Qvalue		
3) Chloromethane	1.240	50	4505	0.249	ug/L	85
5) Vinyl chloride	1.307	62	1408	0.080	ug/L #	1
6) Bromomethane	1.526	94	436	0.055	ug/L	98
8) Chloroethane	1.606	64	22881	2.005	ug/L #	51
12) 1,1-Dichloroethene	2.108	96	1064	0.090	ug/L #	1
13) Acetone	2.185	43	29315	11.807	ug/L	88
14) Carbon disulfide	2.291	76	2453	0.074	ug/L #	72
15) Methyl Acetate	2.185	43	28875	4.915	ug/L #	61
22) cis-1,2-Dichloroethene	3.911	96	2607	0.186	ug/L #	94
25) Chloroform	4.378	83	10199	0.386	ug/L	100
31) Carbon tetrachloride	4.831	117	6103	0.318	ug/L	93
33) Benzene	5.104	78	5777	0.093	ug/L	100
35) Methylcyclohexane	6.069	83	16109	0.649	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	8439	0.531	ug/L #	88
39) cis-1,3-Dichloropropene	6.985	75	1500	0.071	ug/L #	56
44) trans-1,3-Dichloropropene	7.632	75	1210	0.075	ug/L #	77
47) Tetrachloroethene	7.982	164	573	0.059	ug/L	90
49) Dibromochloromethane	7.988	129	756	0.080	ug/L #	11
51) Chlorobenzene	8.876	112	3841	0.106	ug/L #	63

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 15 02:57:21 2022
Response via : Initial Calibration

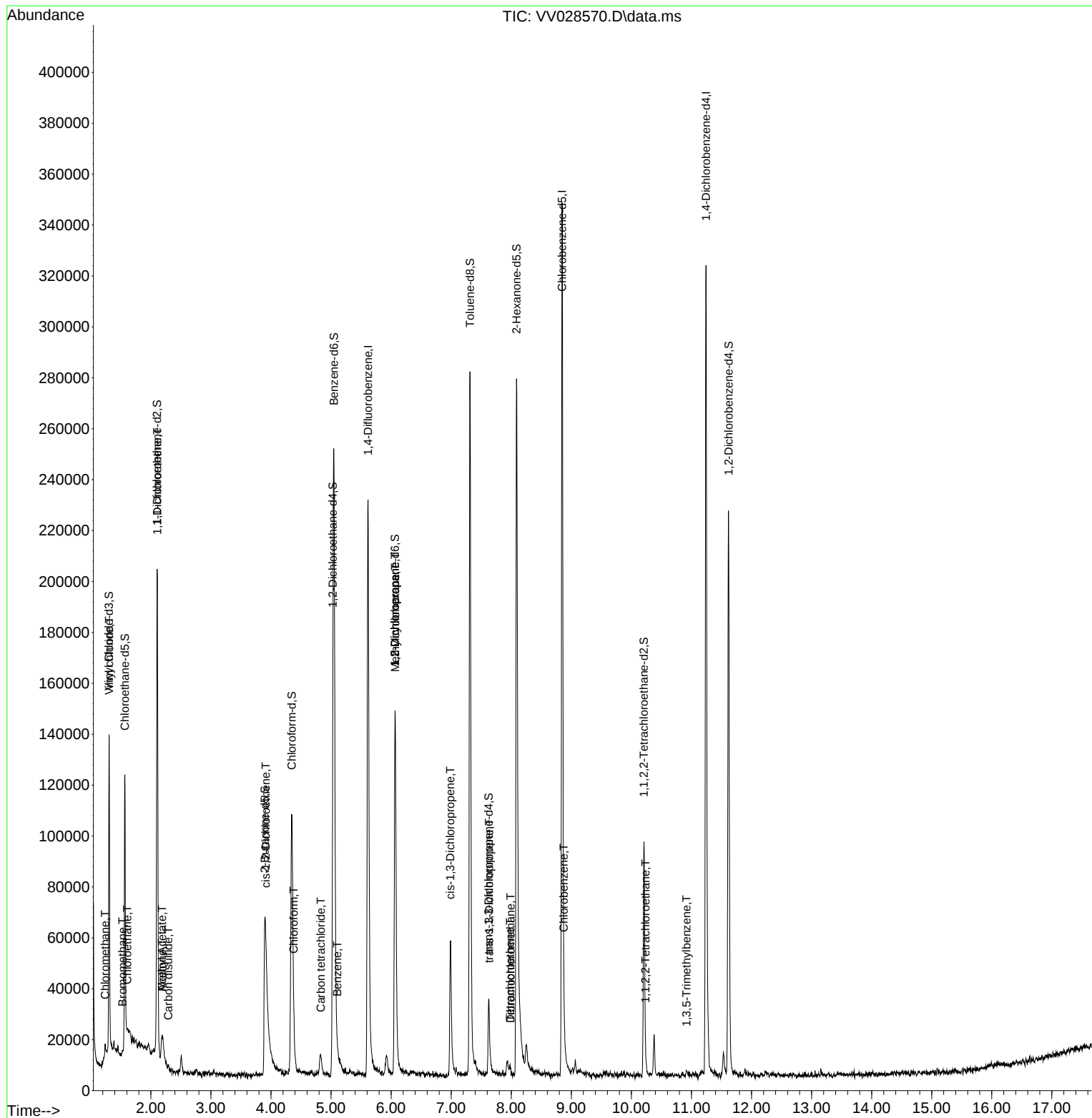
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	10.236	83	1216	0.112	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.918	105	1207	0.071	ug/L	97

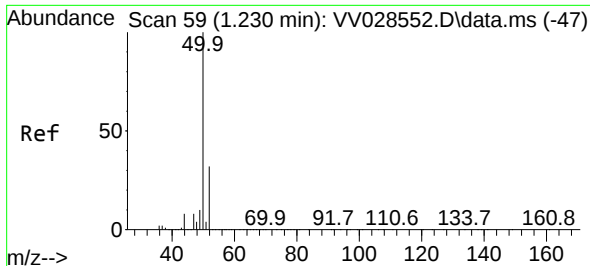
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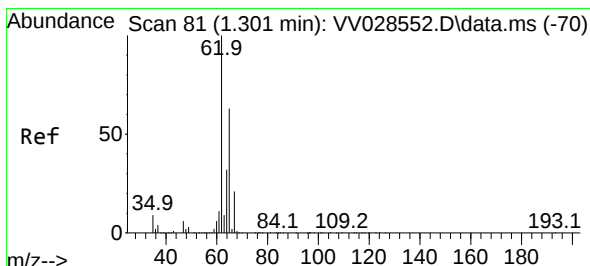
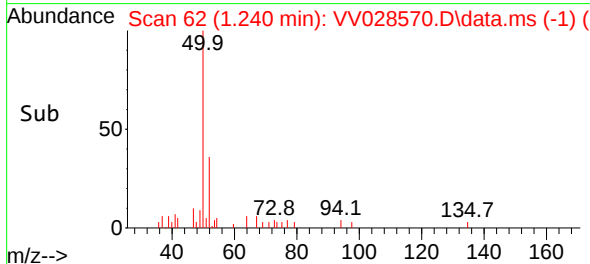
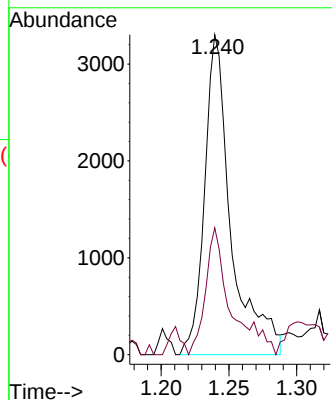
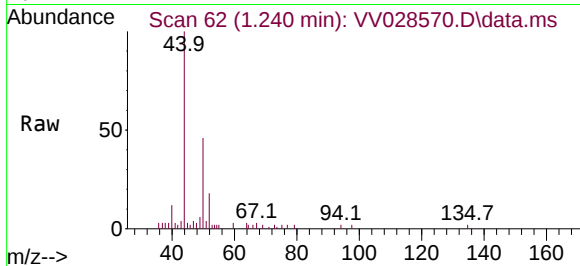




#3
Chloromethane
Concen: 0.249 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.010 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

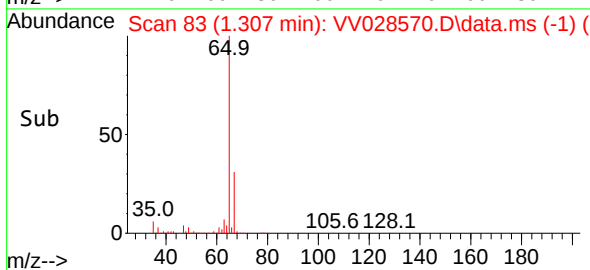
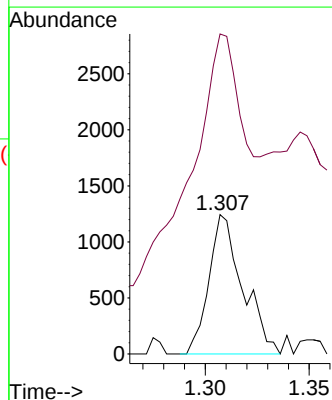
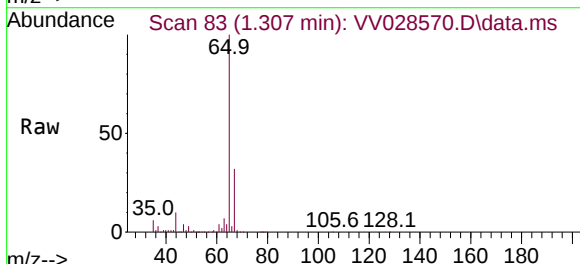
Instrument :
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ClientSampleId :
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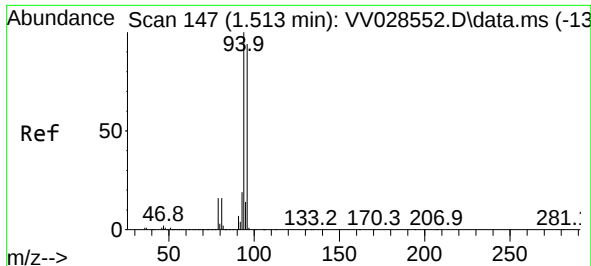
Tgt Ion: 50 Resp: 4505
Ion Ratio Lower Upper
50 100
52 39.7 22.0 41.0



#5
Vinyl chloride
Concen: 0.080 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.006 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 62 Resp: 1408
Ion Ratio Lower Upper
62 100
64 229.8 23.7 44.1#

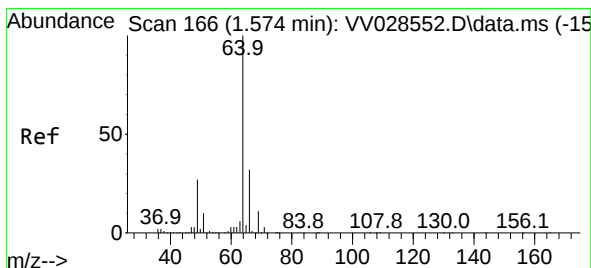
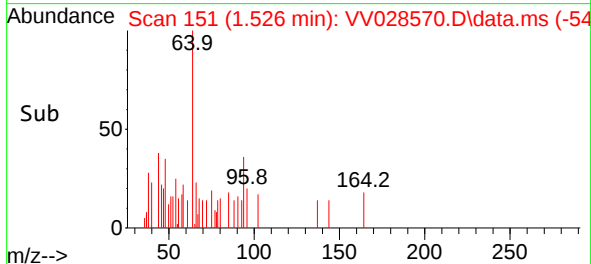
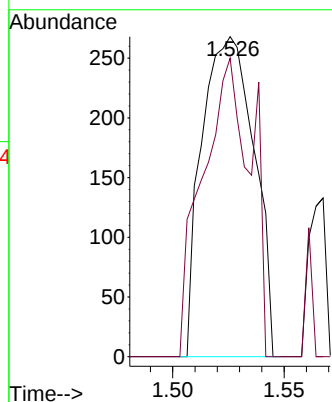
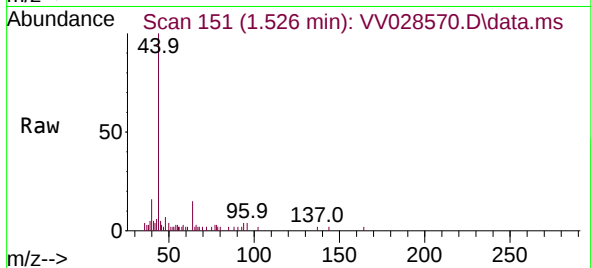




#6
Bromomethane
Concen: 0.055 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

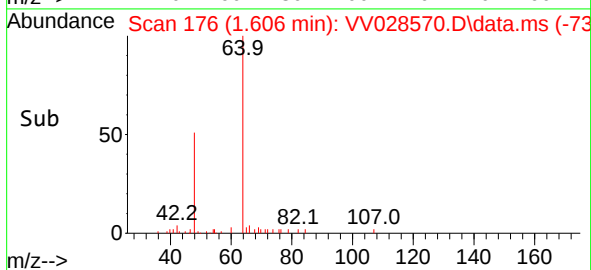
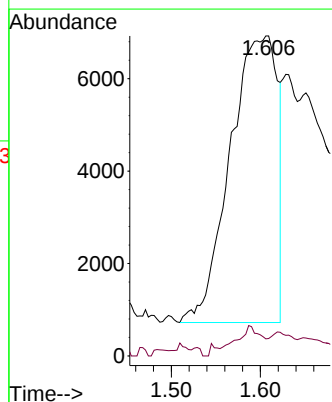
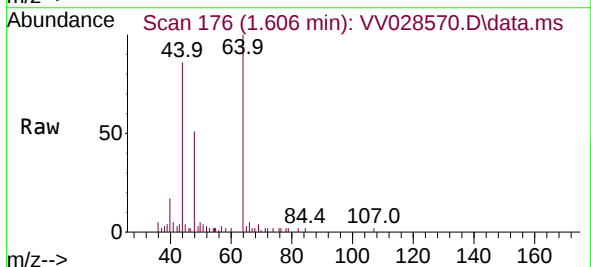
Instrument :
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ClientSampleId :
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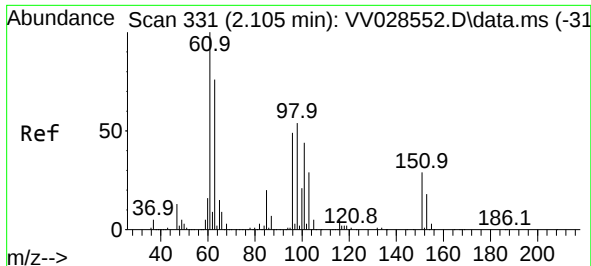
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 93.3 67.0 124.4



#8
Chloroethane
Concen: 2.005 ug/L
RT: 1.606 min Scan# 176
Delta R.T. 0.032 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 64 Resp: 22881
Ion Ratio Lower Upper
64 100
66 5.4 23.0 42.8#

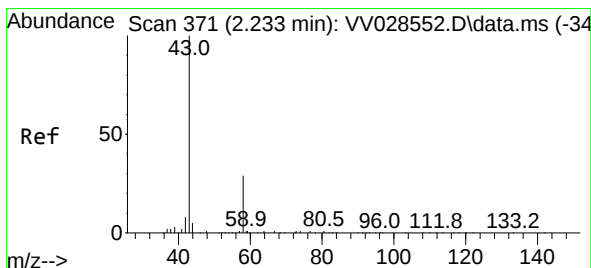
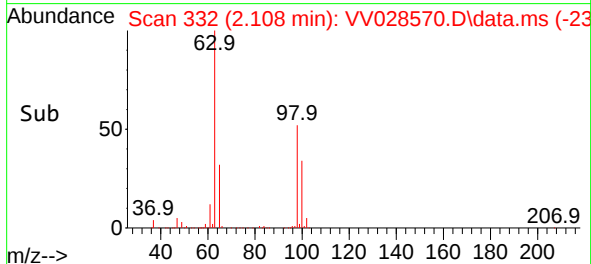
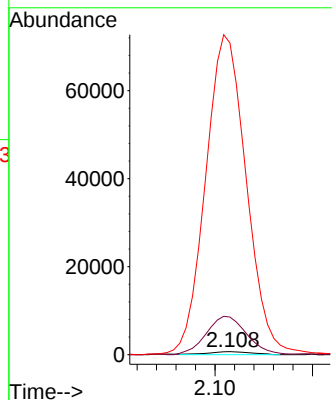
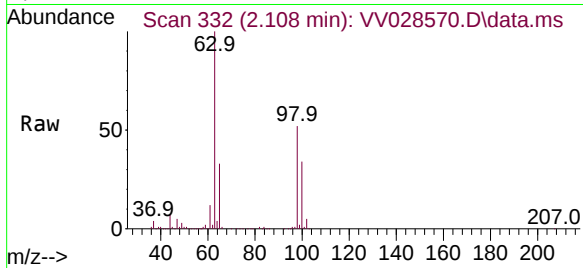




#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.108 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

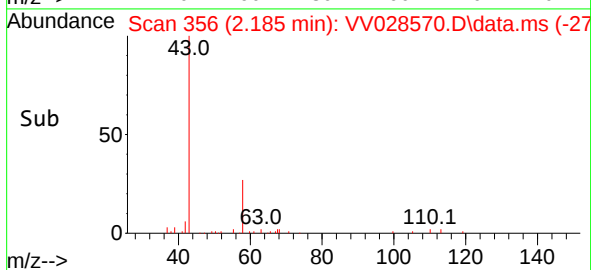
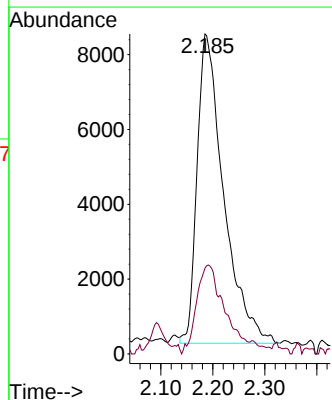
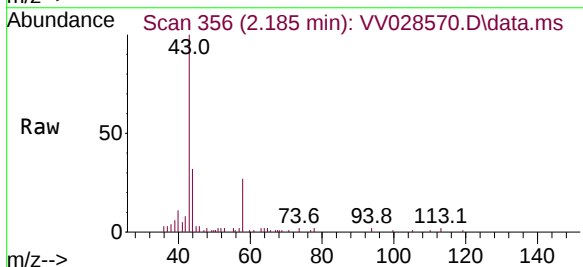
Instrument :
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ClientSampleId :
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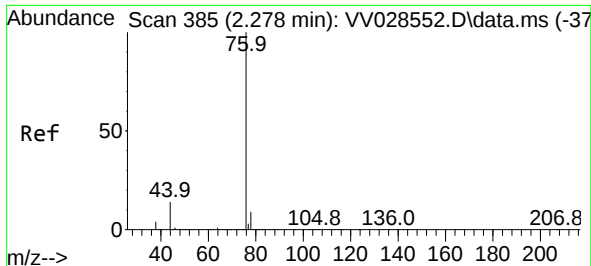
Tgt Ion: 96 Resp: 1064
Ion Ratio Lower Upper
96 100
61 1245.0 142.9 265.5#
63 10325.4 102.3 190.1#



#13
Acetone
Concen: 11.807 ug/L
RT: 2.185 min Scan# 356
Delta R.T. -0.048 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 43 Resp: 29315
Ion Ratio Lower Upper
43 100
58 30.3 0.0 48.6

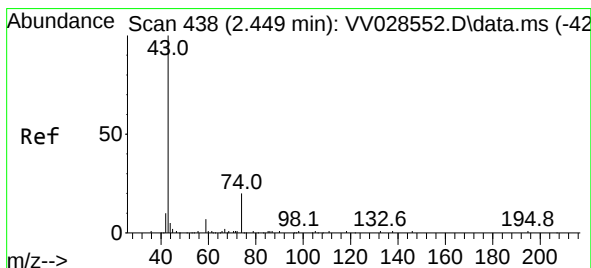
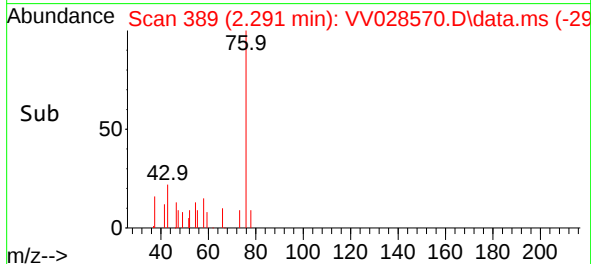
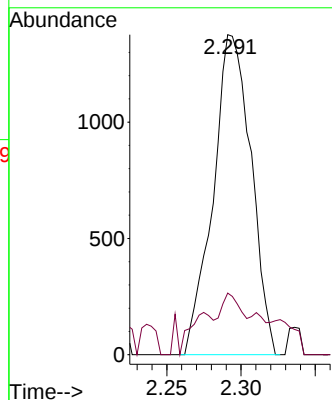
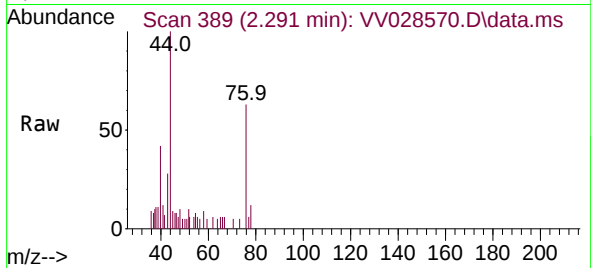




#14
Carbon disulfide
Concen: 0.074 ug/L
RT: 2.291 min Scan# 31
Delta R.T. 0.013 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

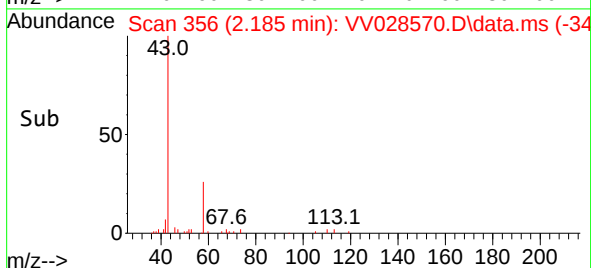
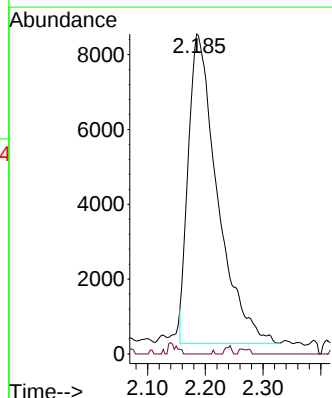
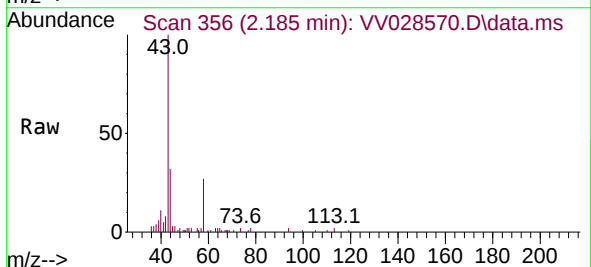
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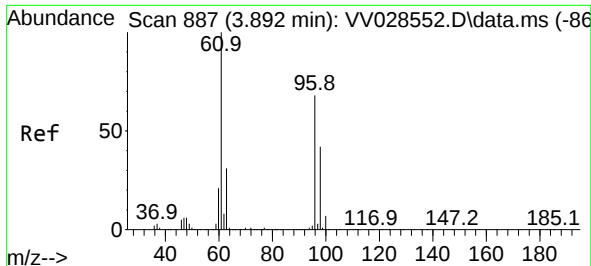
Tgt Ion: 76 Resp: 2453
Ion Ratio Lower Upper
76 100
78 19.3 7.4 11.0#



#15
Methyl Acetate
Concen: 4.915 ug/L
RT: 2.185 min Scan# 356
Delta R.T. -0.264 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 43 Resp: 28875
Ion Ratio Lower Upper
43 100
74 0.1 13.8 20.6#

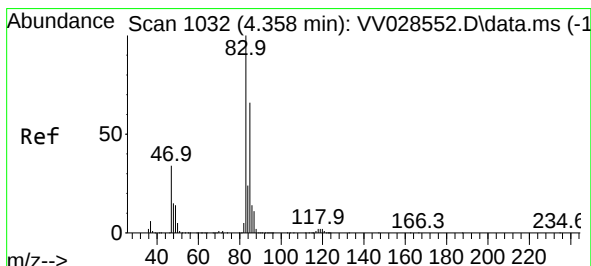
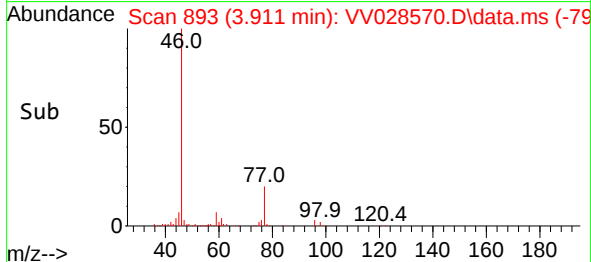
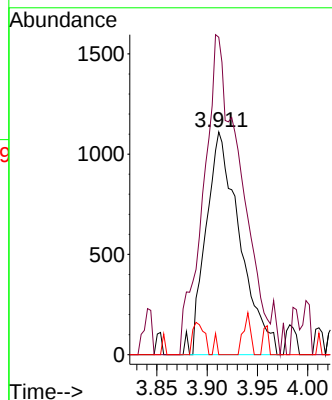
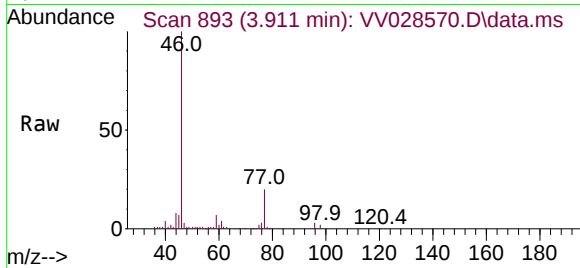




#22
 cis-1,2-Dichloroethene
 Concen: 0.186 ug/L
 RT: 3.911 min Scan# 893
 Delta R.T. 0.019 min
 Lab File: VV028570.D
 Acq: 15 Oct 2022 00:00

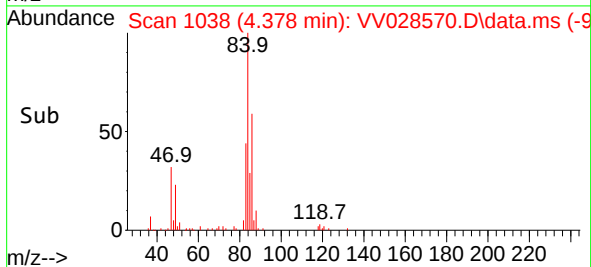
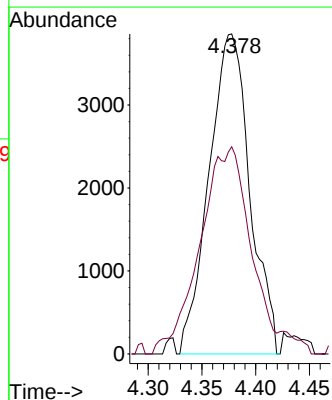
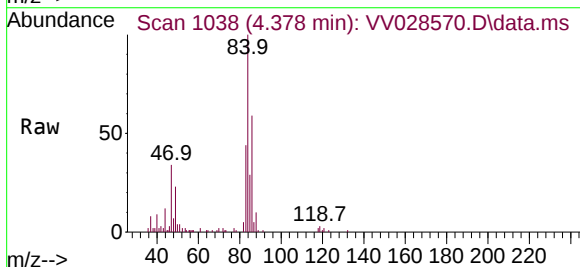
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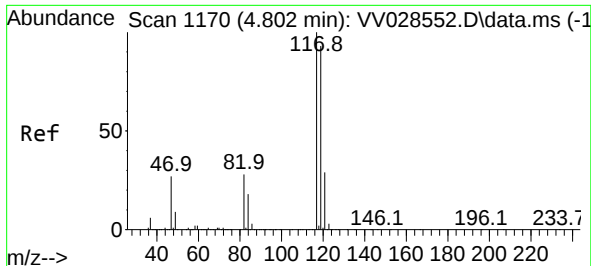
Tgt Ion: 96 Resp: 2607
 Ion Ratio Lower Upper
 96 100
 61 142.5 105.1 195.3
 68 0.0 0.5 0.9#



#25
 Chloroform
 Concen: 0.386 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.019 min
 Lab File: VV028570.D
 Acq: 15 Oct 2022 00:00

Tgt Ion: 83 Resp: 10199
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.9

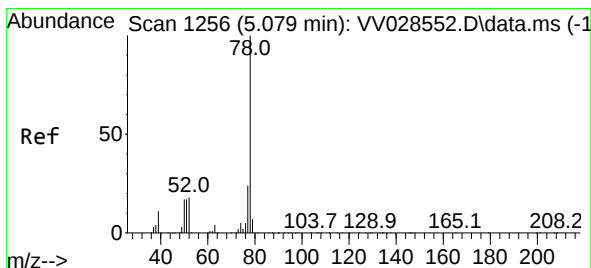
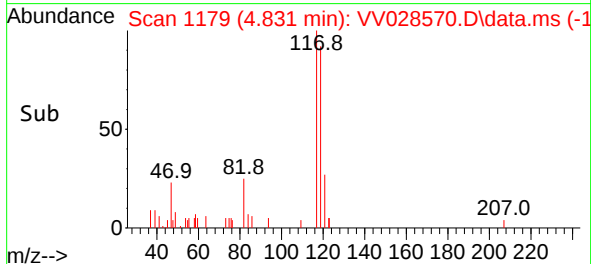
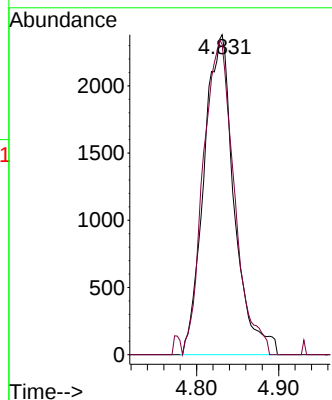
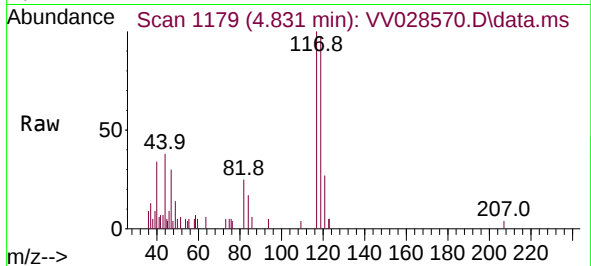




#31
Carbon tetrachloride
Concen: 0.318 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.029 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

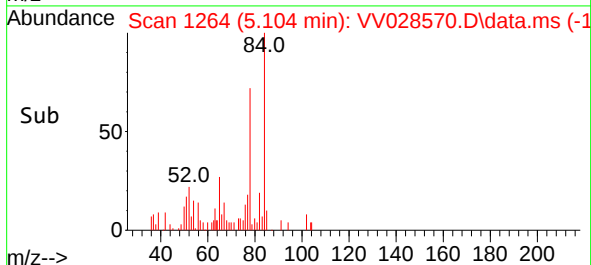
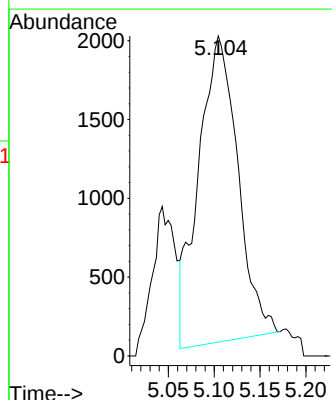
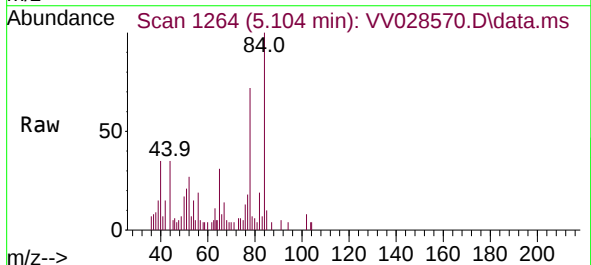
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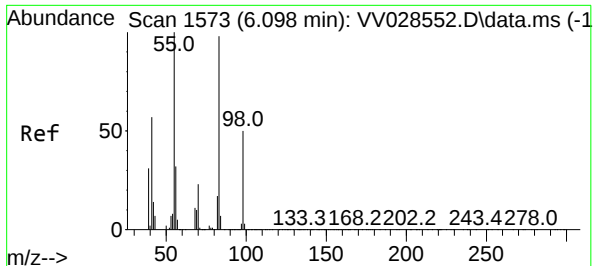
Tgt Ion:117 Resp: 6103
Ion Ratio Lower Upper
117 100
119 100.9 75.5 113.3



#33
Benzene
Concen: 0.093 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.026 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 78 Resp: 5777

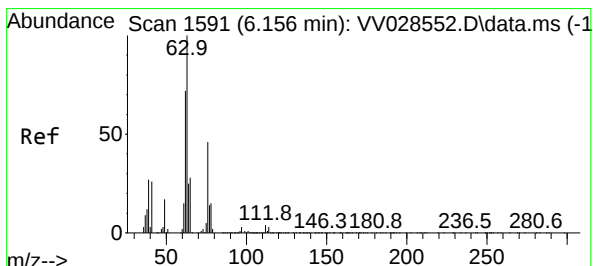
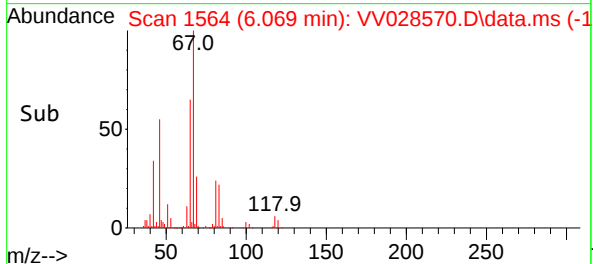
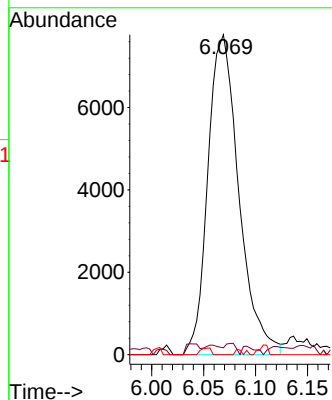
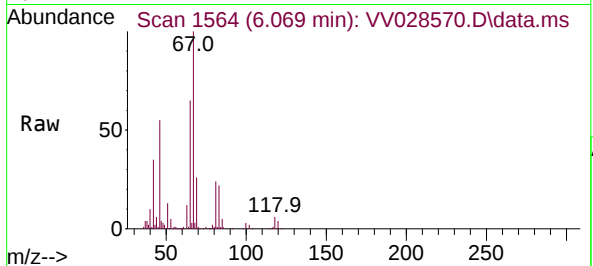




#35
Methylcyclohexane
Concen: 0.649 ug/L
RT: 6.069 min Scan# 1563
Delta R.T. -0.029 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

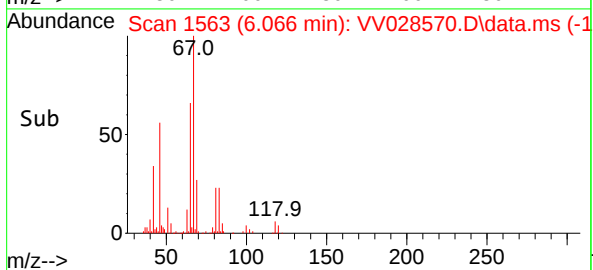
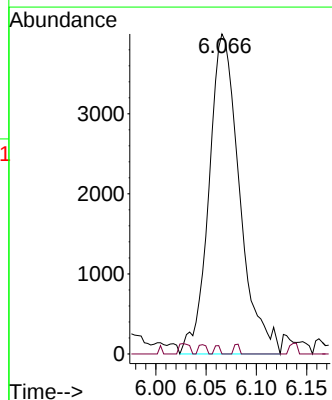
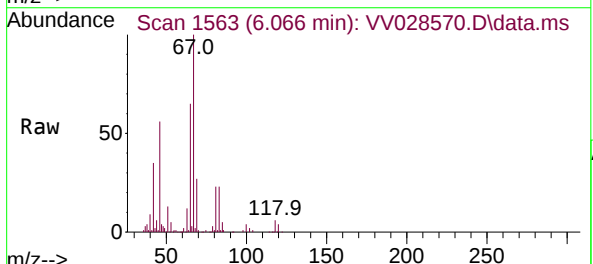
Instrument :
MSVOA_V
ClientSampleId :
C1BC3

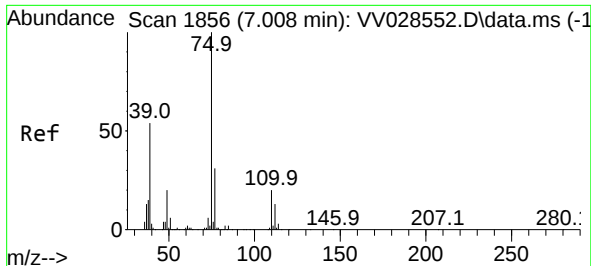
Tgt Ion: 83 Resp: 16109
Ion Ratio Lower Upper
83 100
55 1.1 65.0 97.6#
98 0.4 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.531 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.090 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 63 Resp: 8439
Ion Ratio Lower Upper
63 100
112 0.5 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.023 min

Lab File: VV028570.D

Acq: 15 Oct 2022 00:00

Instrument :

MSVOA_V

ClientSampleId :

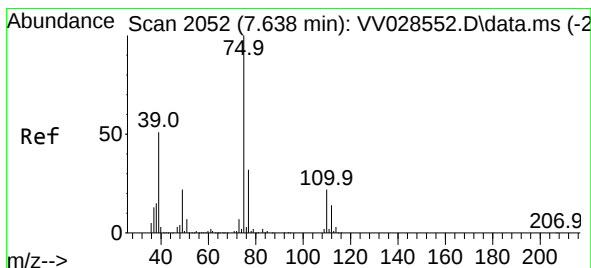
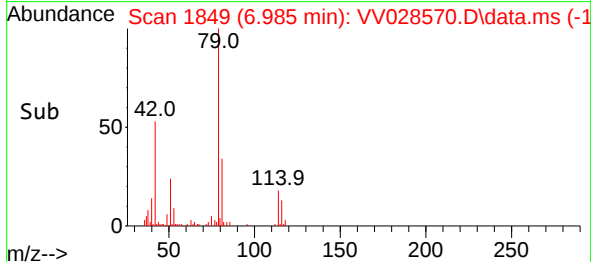
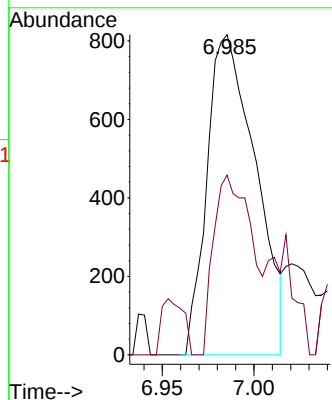
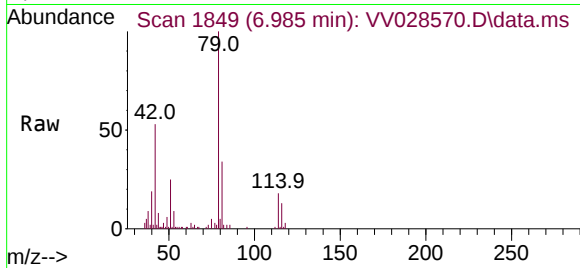
C1BC3

Tgt Ion: 75 Resp: 1500

Ion Ratio Lower Upper

75 100

77 56.1 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.632 min Scan# 2050

Delta R.T. -0.007 min

Lab File: VV028570.D

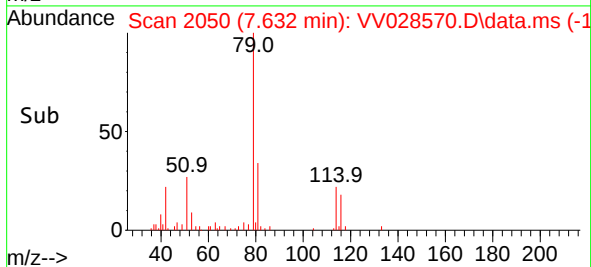
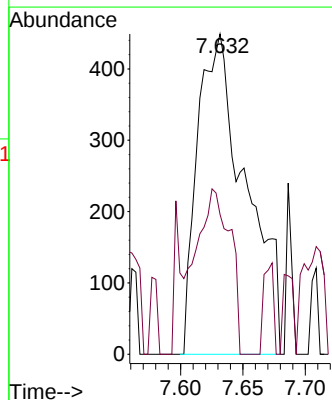
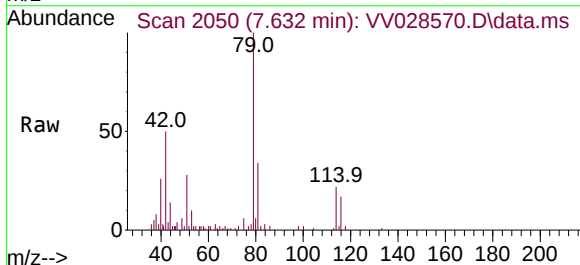
Acq: 15 Oct 2022 00:00

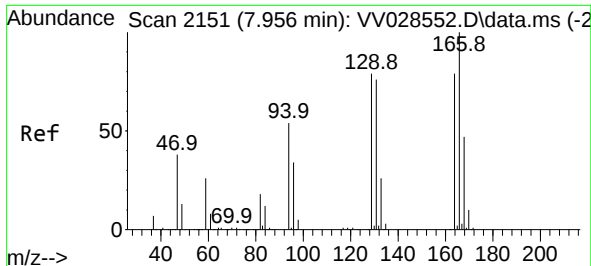
Tgt Ion: 75 Resp: 1210

Ion Ratio Lower Upper

75 100

77 43.7 21.7 40.3#



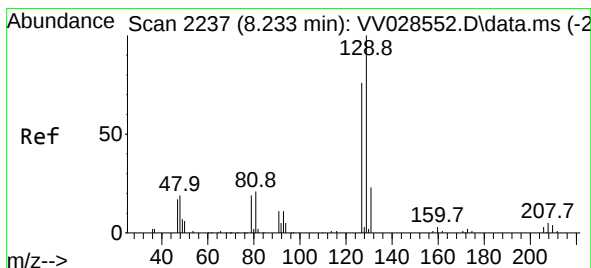
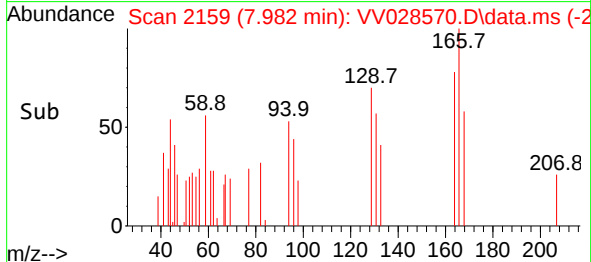
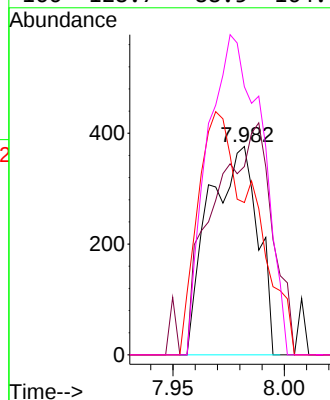
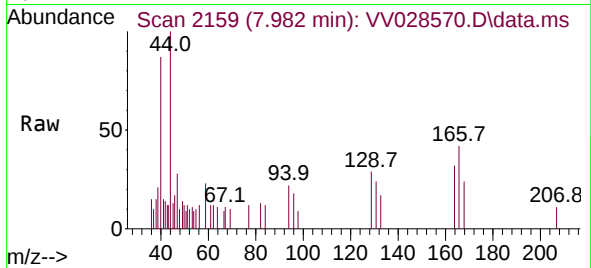


#47
Tetrachloroethene
Concen: 0.059 ug/L
RT: 7.982 min Scan# 2151
Delta R.T. 0.026 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Instrument :
MSVOA_V
ClientSampleId :
C1BC3

Tgt Ion:164 Resp: 573

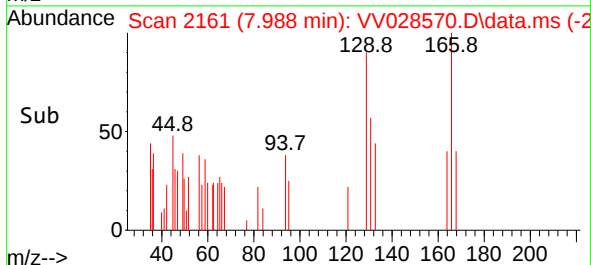
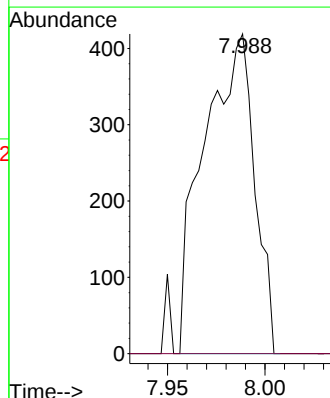
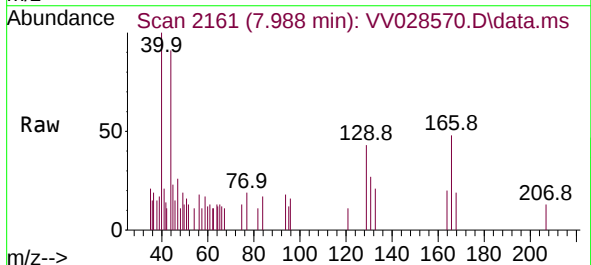
Ion	Ratio	Lower	Upper
164	100		
129	90.4	69.3	128.7
131	73.1	67.3	125.1
166	128.7	88.5	164.4

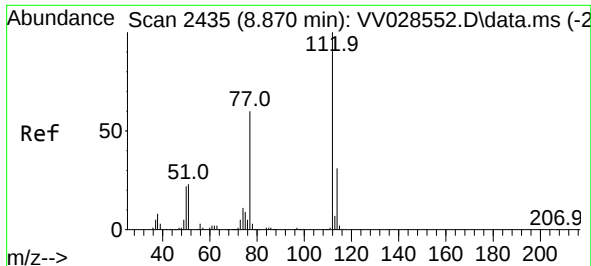


#49
Dibromochloromethane
Concen: 0.080 ug/L
RT: 7.988 min Scan# 2161
Delta R.T. -0.244 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion:129 Resp: 756

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	100.0#

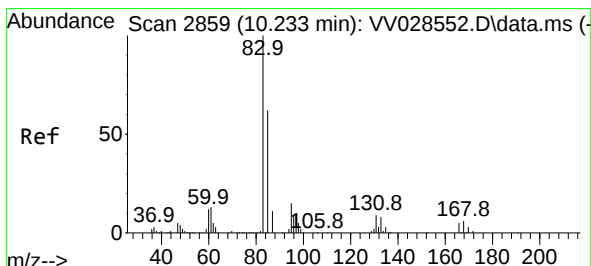
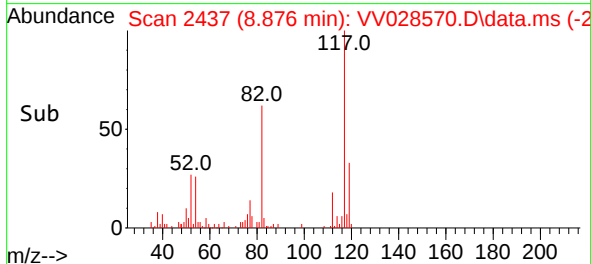
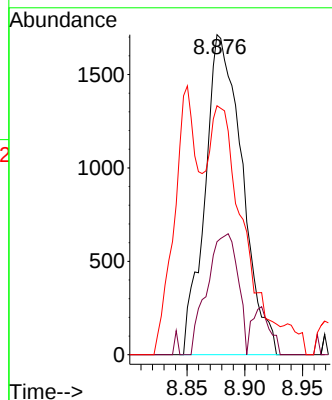
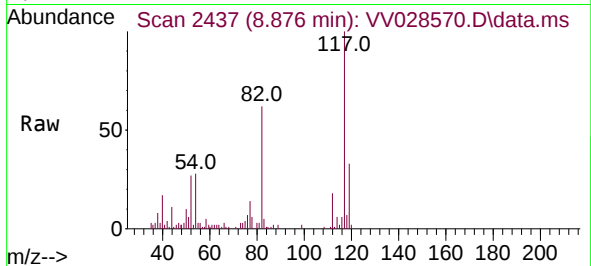




#51
Chlorobenzene
Concen: 0.106 ug/L
RT: 8.876 min Scan# 2435
Delta R.T. 0.006 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

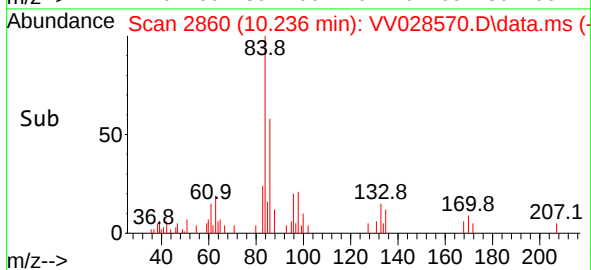
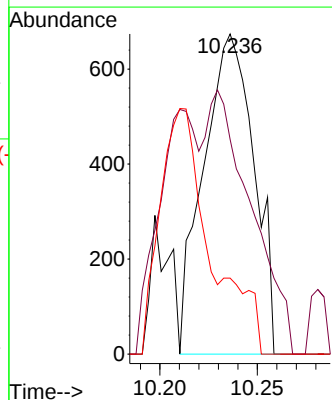
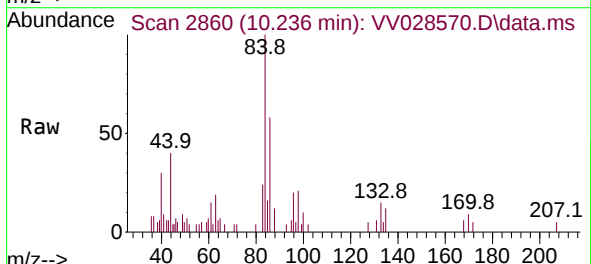
Instrument :
MSVOA_V
ClientSampleId :
C1BC3

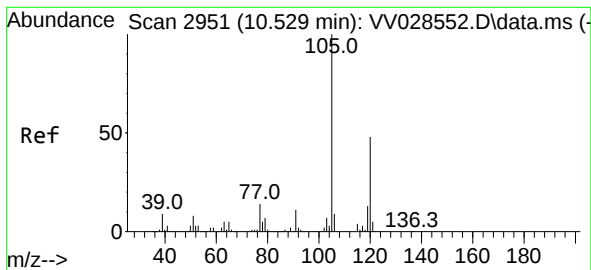
Tgt Ion:112 Resp: 3841
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 105.1 50.2 75.2#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.112 ug/L
RT: 10.236 min Scan# 2860
Delta R.T. 0.003 min
Lab File: VV028570.D
Acq: 15 Oct 2022 00:00

Tgt Ion: 83 Resp: 1216
Ion Ratio Lower Upper
83 100
85 67.1 44.3 82.3
131 23.7 6.4 9.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.071 ug/L

RT: 10.918 min Scan# 30

Delta R.T. 0.389 min

Lab File: VV028570.D

Acq: 15 Oct 2022 00:00

Instrument :

MSVOA_V

ClientSampleId :

C1BC3

Tgt Ion:105 Resp: 1207

Ion Ratio Lower Upper

105 100

120 49.4 38.0 57.0

