

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW093022\
 Data File : VW028235.D
 Acq On : 30 Sep 2022 18:38
 Operator : SY/MD
 Sample : N4873-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ53

Quant Time: Sep 30 23:01:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	168383	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	168035	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	96146	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	67639	3.875	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.561	69	59601	4.294	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.098	63	100180	3.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.896	46	131825	44.730	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.460%
24) Chloroform-d	4.339	84	129800	4.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.027	65	62553	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.043	84	268306	4.870	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.063	67	79646	4.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.310	98	223048	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.619	79	25646	4.133	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.085	63	119019	45.961	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.920%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	56085	4.777	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	11.619	152	95256	5.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.214	85	3063	0.244	ug/L #	81
3) Chloromethane	1.236	50	707	0.042	ug/L	83
5) Vinyl chloride	1.304	62	1528	0.117	ug/L #	1
6) Bromomethane	1.513	94	466	0.055	ug/L	92
8) Chloroethane	1.580	64	9670	1.104	ug/L #	61
12) 1,1-Dichloroethene	2.108	96	970	0.083	ug/L #	1
14) Carbon disulfide	2.288	76	2136	0.096	ug/L #	78
18) trans-1,2-Dichloroethene	2.764	96	749	0.074	ug/L #	57
19) 1,1-Dichloroethane	3.185	63	5032	0.226	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	3326	0.249	ug/L #	62
29) 1,1,1-Trichloroethane	4.606	97	854	0.041	ug/L #	33
30) Cyclohexane	4.667	56	11231	0.752	ug/L #	81
33) Benzene	5.095	78	89236	1.912	ug/L	100
35) Methylcyclohexane	6.066	83	29290	1.839	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	8265	0.632	ug/L #	94
45) 1,1,2-Trichloroethane	7.783	97	9726	1.109	ug/L #	20
47) Tetrachloroethene	7.976	164	1187	0.128	ug/L	74
49) Dibromochloromethane	8.400	129	1151	0.109	ug/L #	11
51) Chlorobenzene	8.876	112	1191	0.036	ug/L	87

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 29 01:25:35 2022
Response via : Initial Calibration

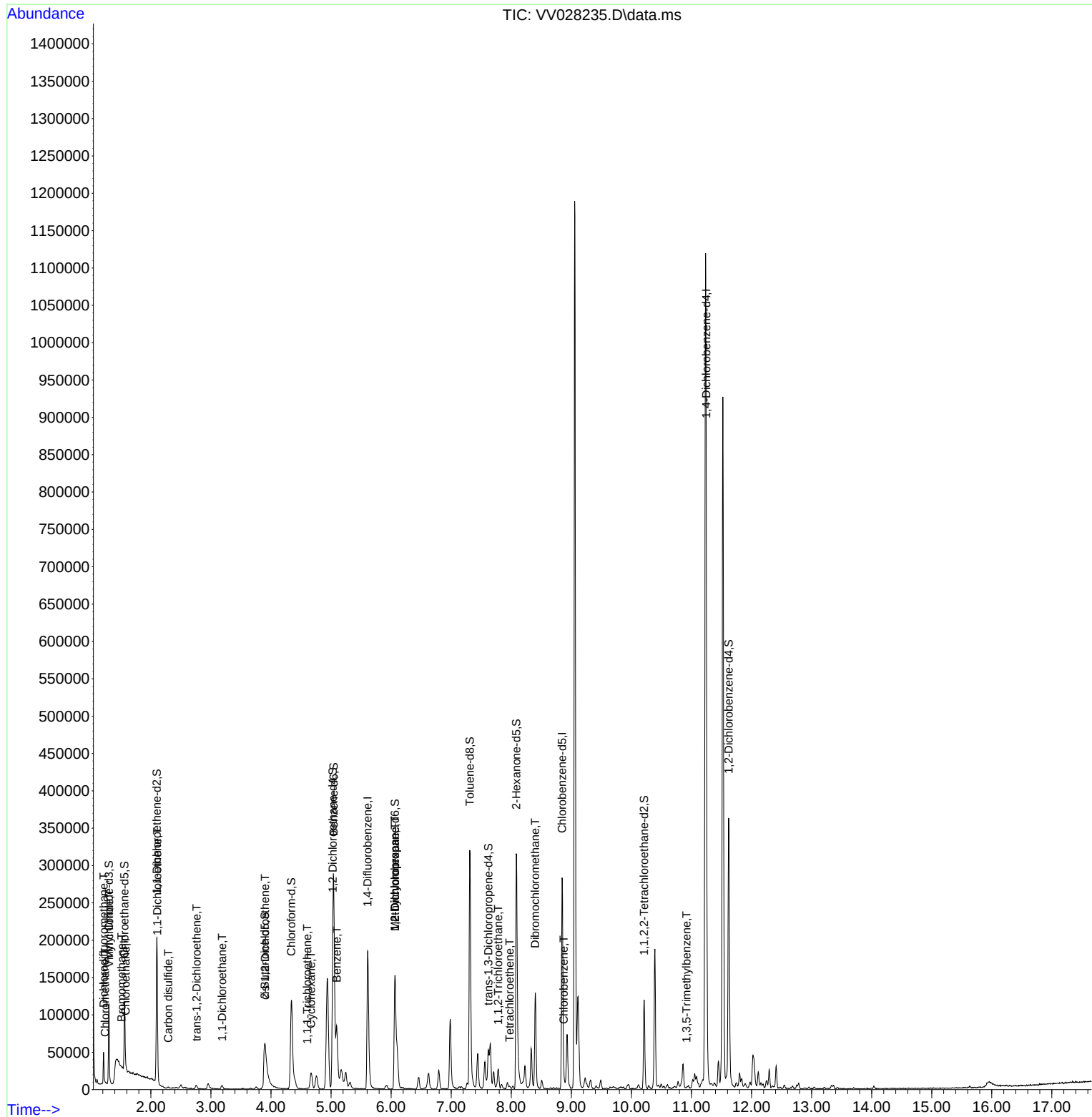
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.918	105	668	0.042 ug/L	91

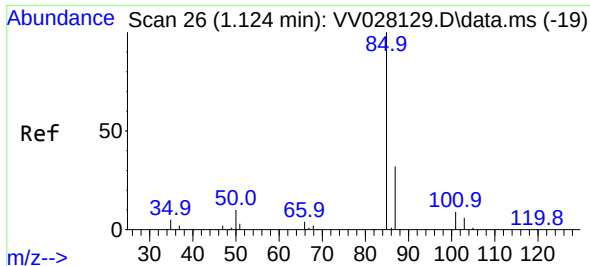
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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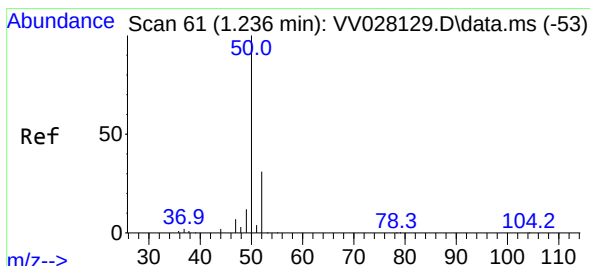
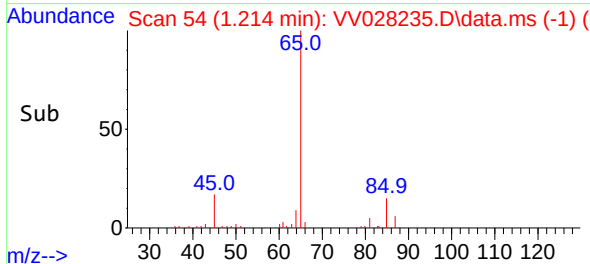
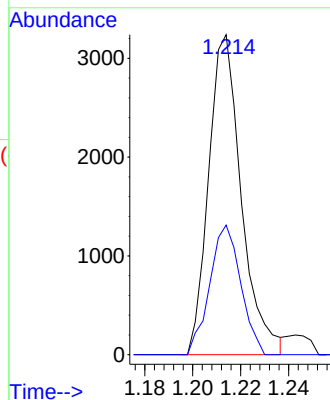
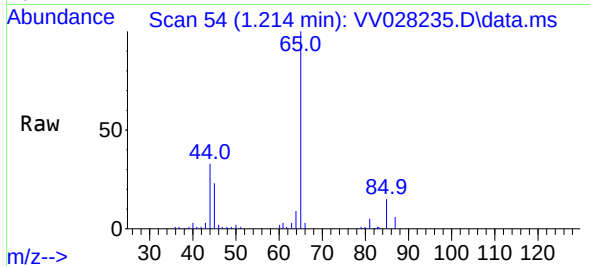




#2
 Dichlorodifluoromethane
 Concen: 0.244 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.090 min
 Lab File: VV028235.D
 Acq: 30 Sep 2022 18:38

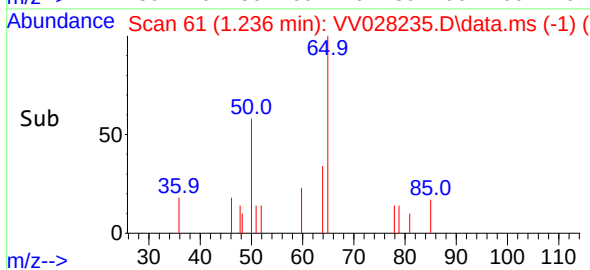
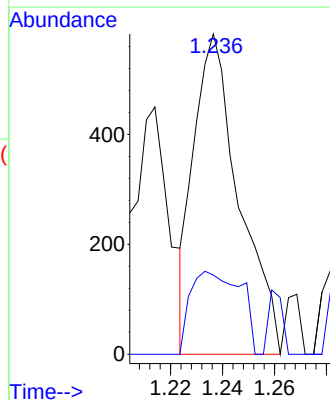
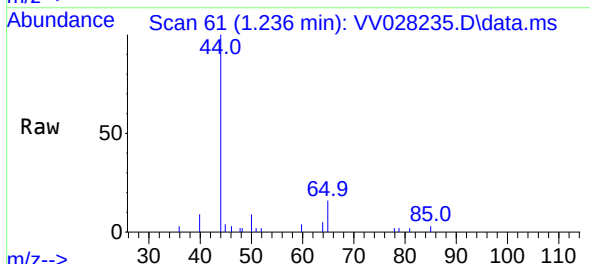
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ53

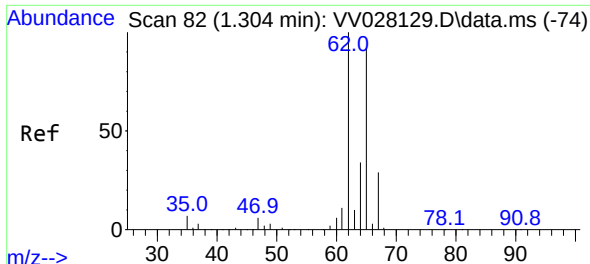
Tgt Ion: 85 Resp: 3063
 Ion Ratio Lower Upper
 85 100
 87 38.3 22.8 34.2#



#3
 Chloromethane
 Concen: 0.042 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028235.D
 Acq: 30 Sep 2022 18:38

Tgt Ion: 50 Resp: 707
 Ion Ratio Lower Upper
 50 100
 52 24.7 24.4 45.2

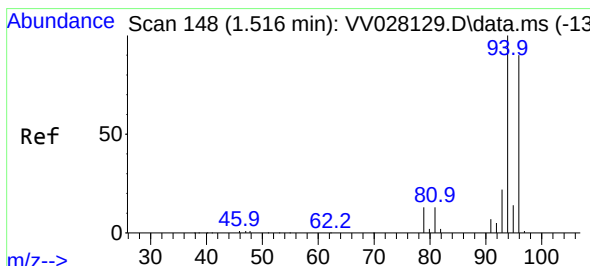
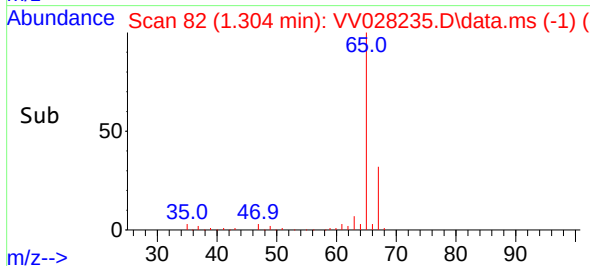
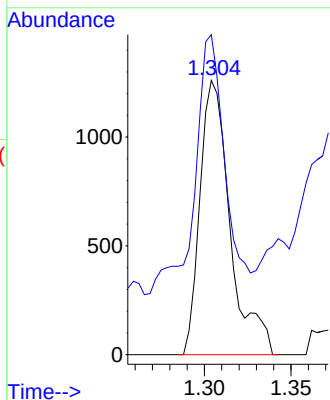
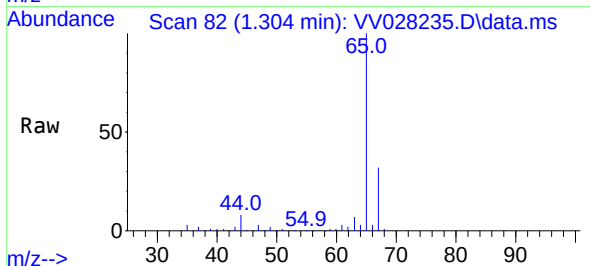




#5
 Vinyl chloride
 Concen: 0.117 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028235.D
 Acq: 30 Sep 2022 18:38

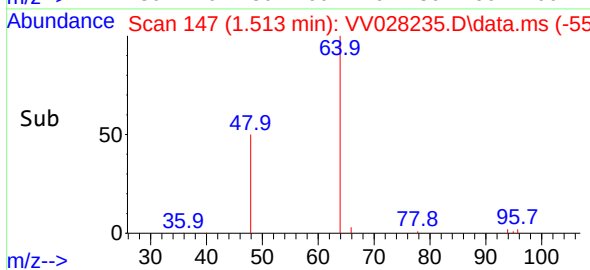
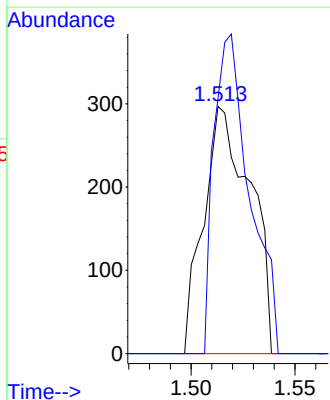
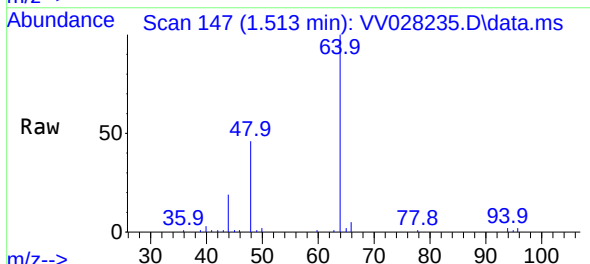
Instrument :
 MSVOA_V
 ClientSampleId :
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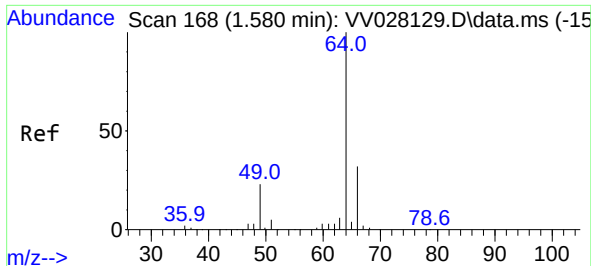
Tgt Ion: 62 Resp: 1528
 Ion Ratio Lower Upper
 62 100
 64 116.7 23.0 42.8#



#6
 Bromomethane
 Concen: 0.055 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV028235.D
 Acq: 30 Sep 2022 18:38

Tgt Ion: 94 Resp: 466
 Ion Ratio Lower Upper
 94 100
 96 103.4 66.7 123.9

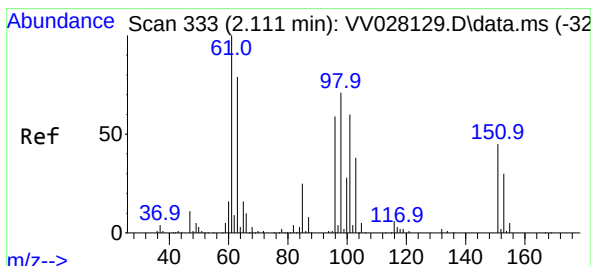
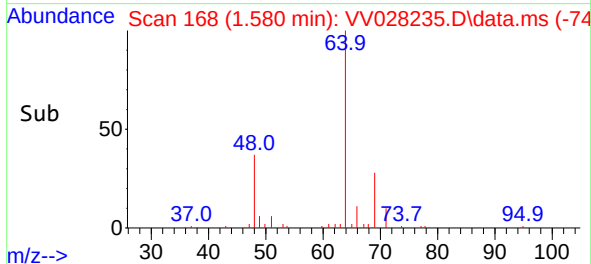
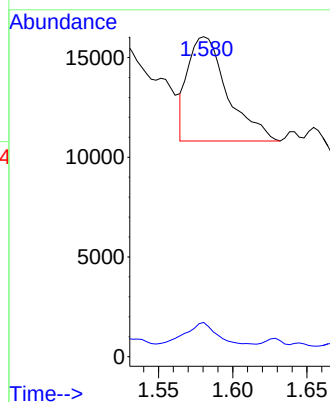
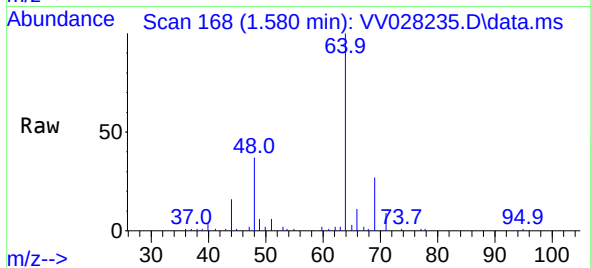




#8
Chloroethane
Concen: 1.104 ug/L
RT: 1.580 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

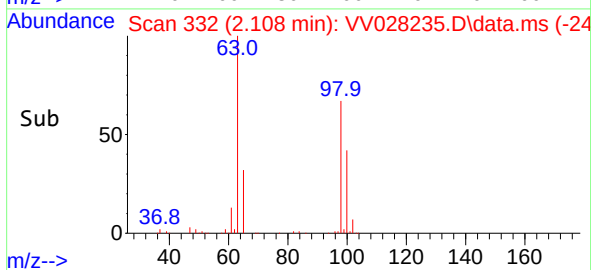
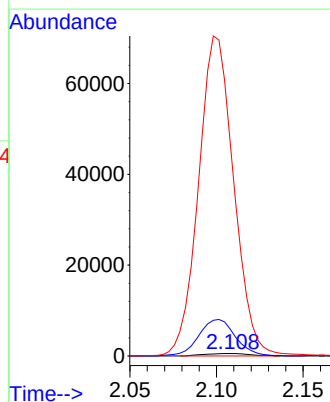
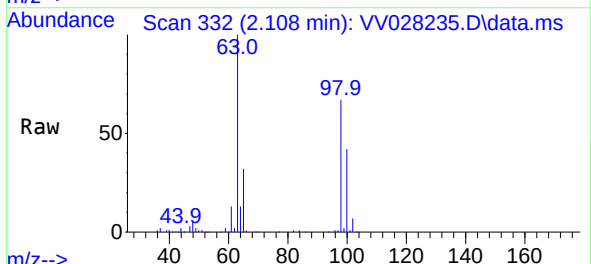
Instrument :
MSVOA_V
ClientSampleId :
EXZ53

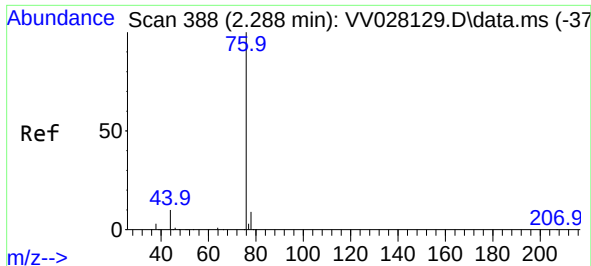
Tgt Ion: 64 Resp: 9670
Ion Ratio Lower Upper
64 100
66 10.7 23.0 42.8#



#12
1,1-Dichloroethene
Concen: 0.083 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

Tgt Ion: 96 Resp: 970
Ion Ratio Lower Upper
96 100
61 1125.9 128.3 238.3#
63 8936.6 112.7 209.3#

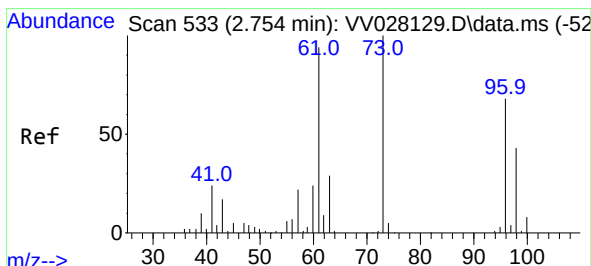
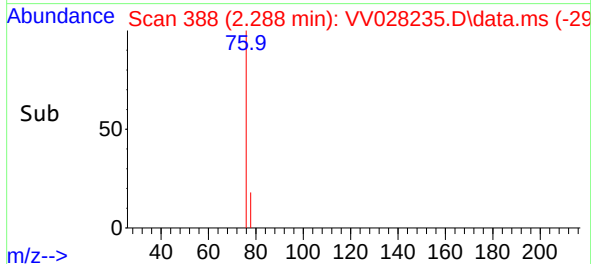
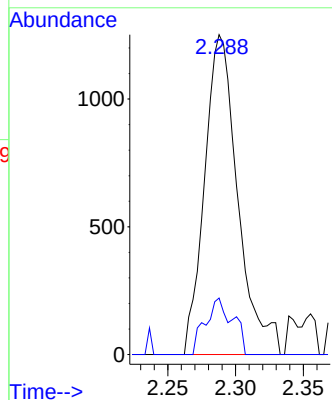
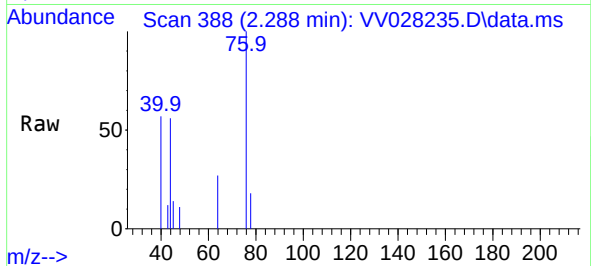




#14
Carbon disulfide
Concen: 0.096 ug/L
RT: 2.288 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

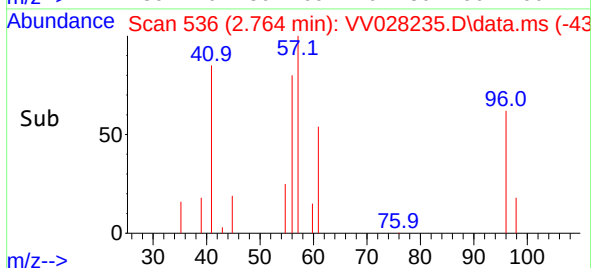
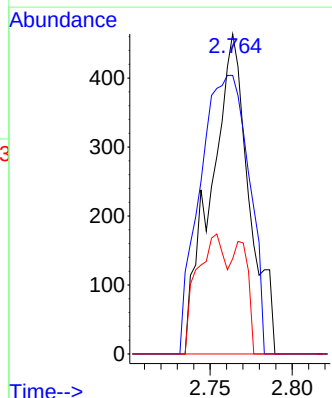
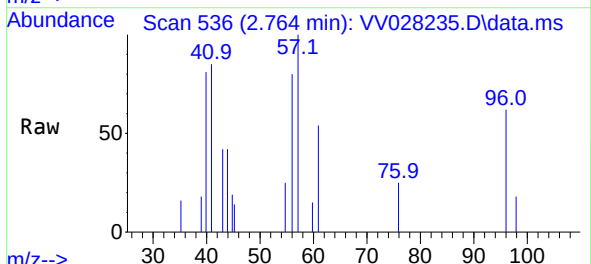
Instrument :
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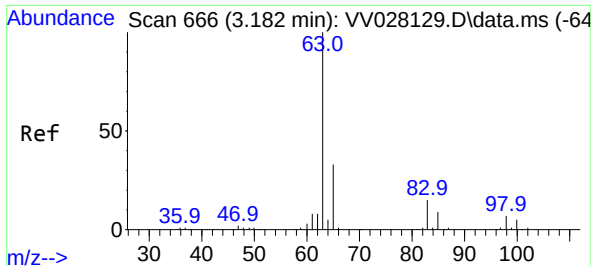
Tgt Ion: 76 Resp: 2136
Ion Ratio Lower Upper
76 100
78 17.7 7.6 11.4#



#18
trans-1,2-Dichloroethene
Concen: 0.074 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.013 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

Tgt Ion: 96 Resp: 749
Ion Ratio Lower Upper
96 100
61 87.1 96.2 178.6#
98 29.7 45.7 84.9#





#19

1,1-Dichloroethane

Concen: 0.226 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028235.D

Acq: 30 Sep 2022 18:38

Instrument :

MSVOA_V

ClientSampleId :

EXZ53

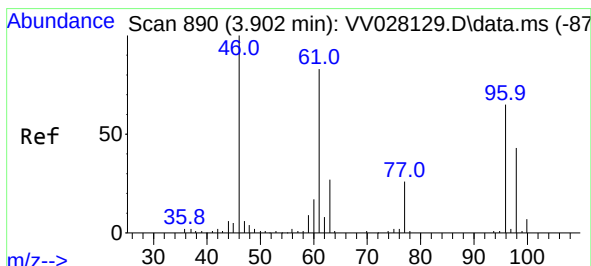
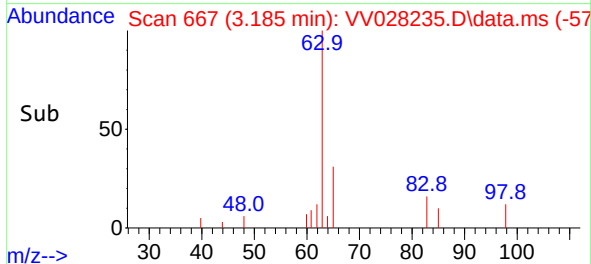
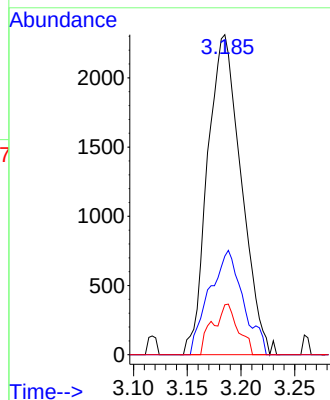
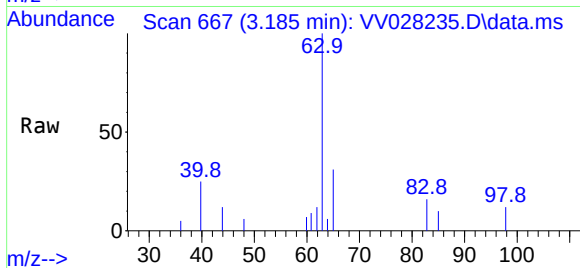
Tgt Ion: 63 Resp: 5032

Ion Ratio Lower Upper

63 100

65 30.8 23.0 42.8

83 15.6 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 0.249 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV028235.D

Acq: 30 Sep 2022 18:38

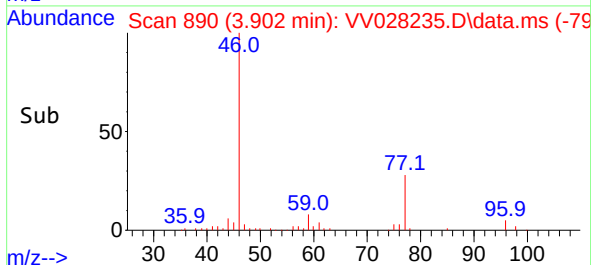
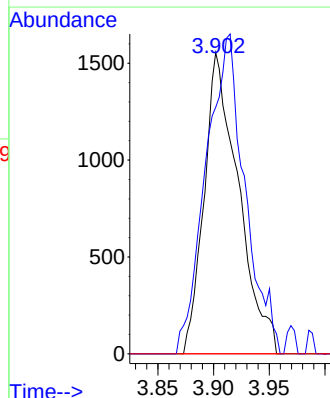
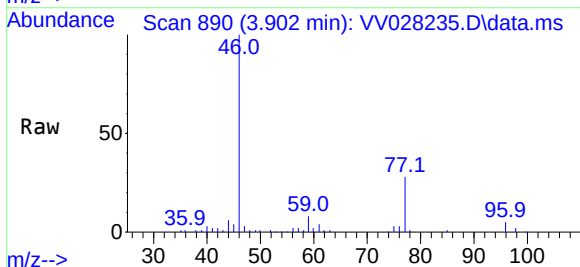
Tgt Ion: 96 Resp: 3326

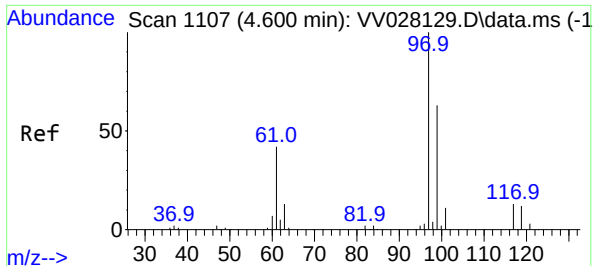
Ion Ratio Lower Upper

96 100

61 81.9 87.2 161.9#

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.041 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

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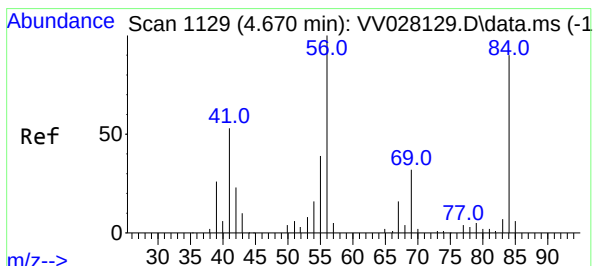
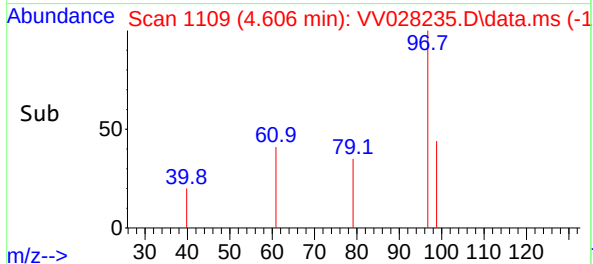
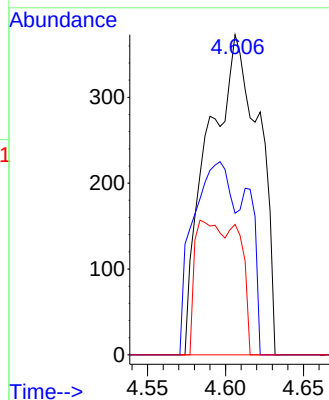
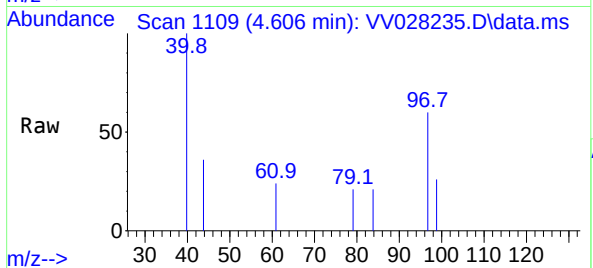
Tgt Ion: 97 Resp: 854

Ion Ratio Lower Upper

97 100

99 12.4 51.9 77.9#

61 0.0 34.8 52.2#



#30

Cyclohexane

Concen: 0.752 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028235.D

Acq: 30 Sep 2022 18:38

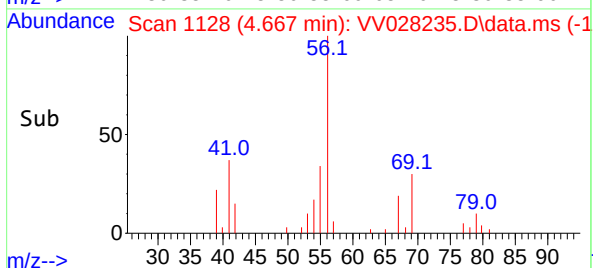
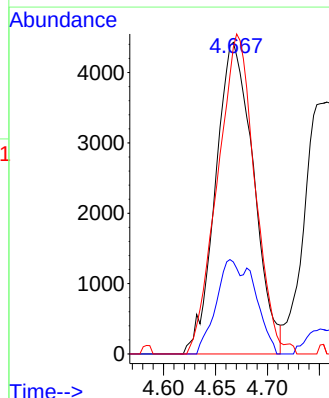
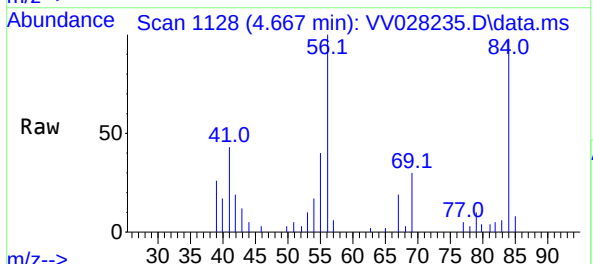
Tgt Ion: 56 Resp: 11231

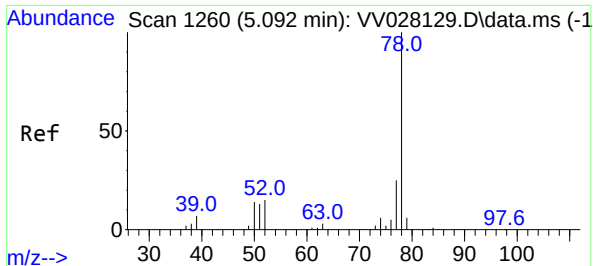
Ion Ratio Lower Upper

56 100

69 18.6 23.7 35.5#

84 100.8 67.3 100.9

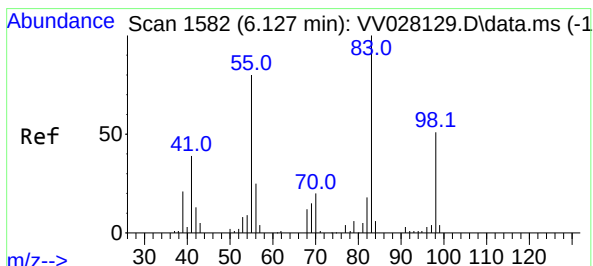
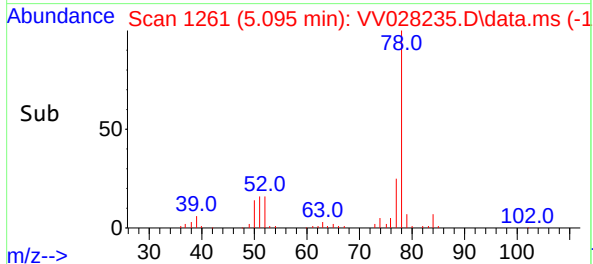
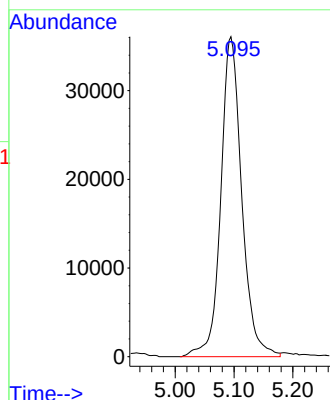
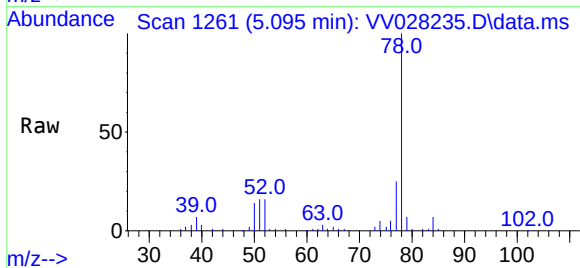




#33
Benzene
Concen: 1.912 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

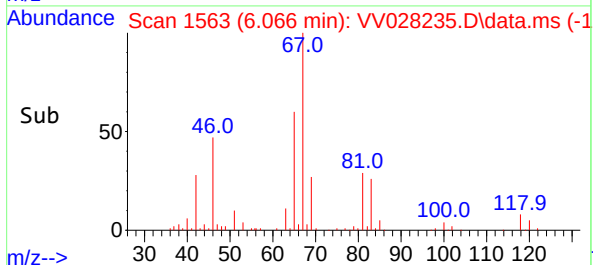
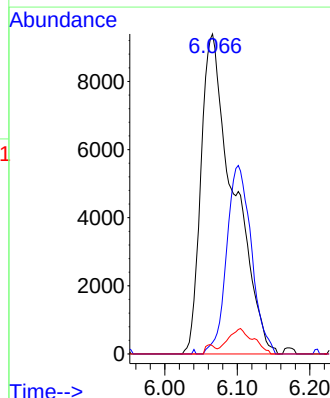
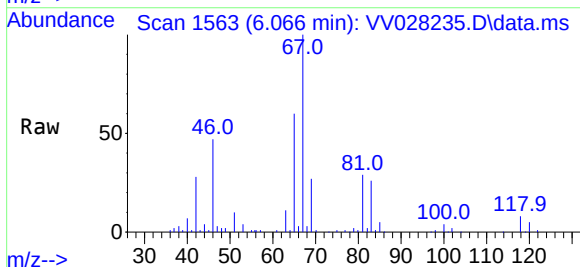
Instrument :
MSVOA_V
ClientSampleId :
EXZ53

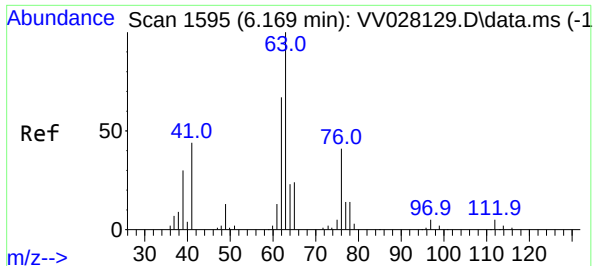
Tgt Ion: 78 Resp: 89236



#35
Methylcyclohexane
Concen: 1.839 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.055 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

Tgt Ion: 83 Resp: 29290
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 0.9 39.5 59.3#

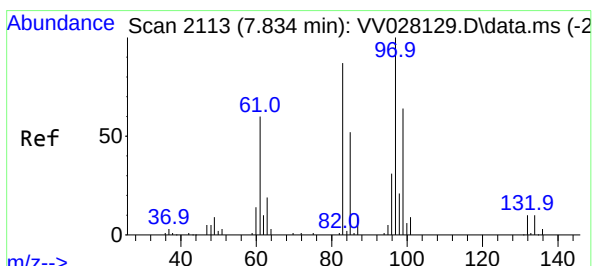
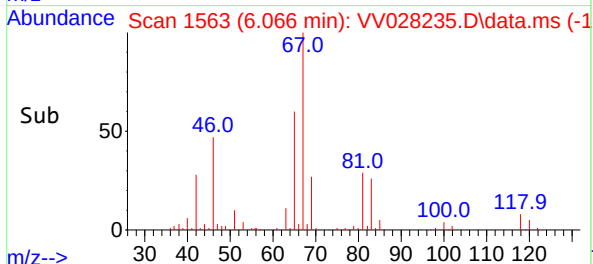
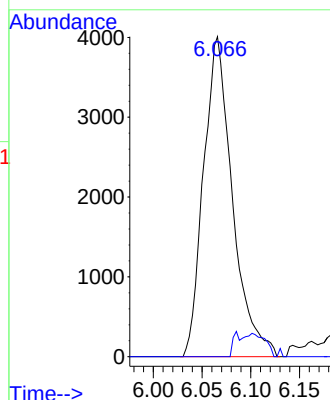
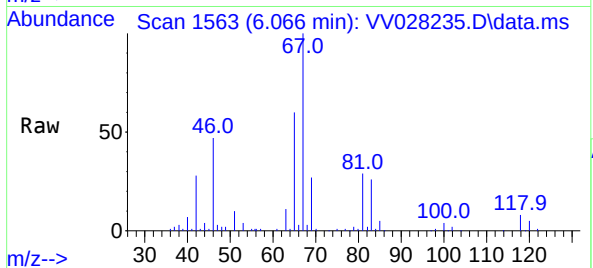




#37
1,2-Dichloropropane
Concen: 0.632 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

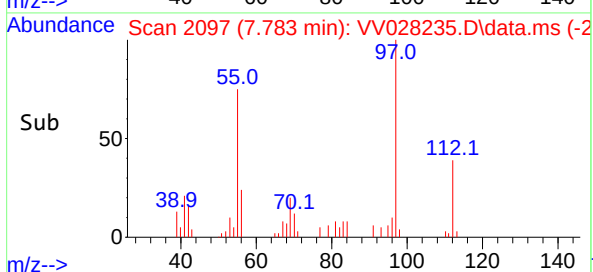
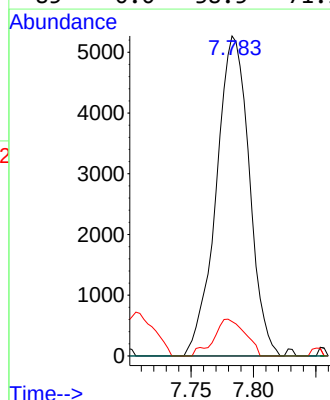
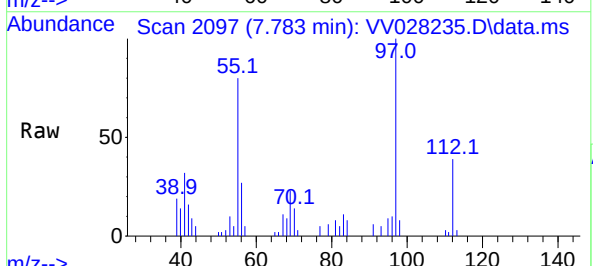
Instrument :
MSVOA_V
ClientSampleId :
EXZ53

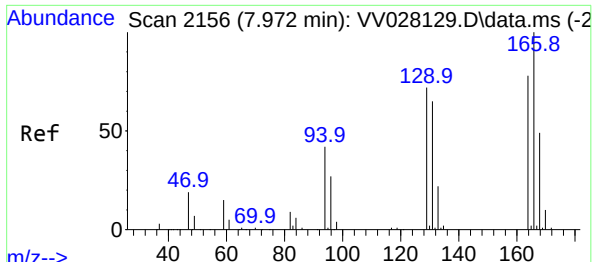
Tgt Ion: 63 Resp: 8265
Ion Ratio Lower Upper
63 100
112 2.3 3.5 5.3#



#45
1,1,2-Trichloroethane
Concen: 1.109 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. -0.052 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

Tgt Ion: 97 Resp: 9726
Ion Ratio Lower Upper
97 100
99 0.0 43.2 80.2#
83 10.7 59.1 109.9#
85 0.0 38.5 71.5#

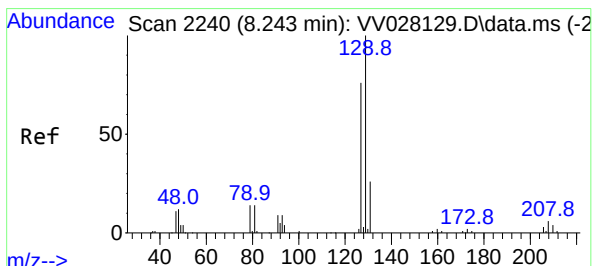
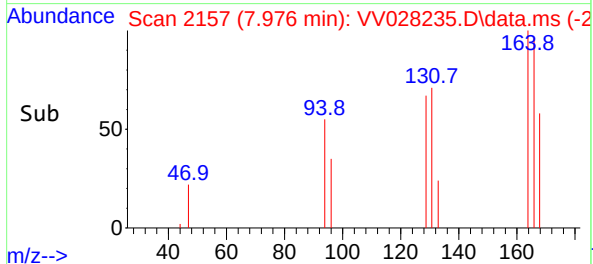
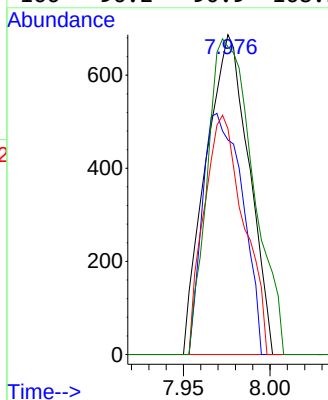
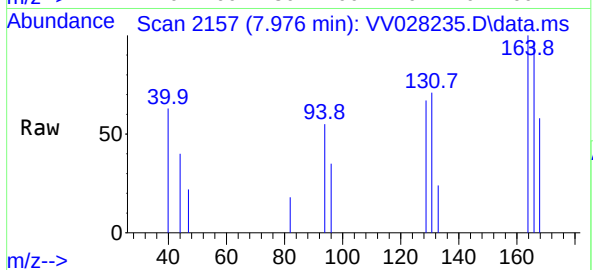




#47
Tetrachloroethene
Concen: 0.128 ug/L
RT: 7.976 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

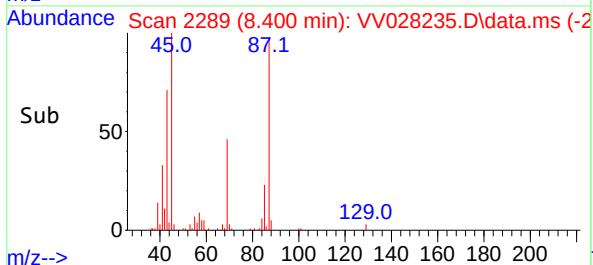
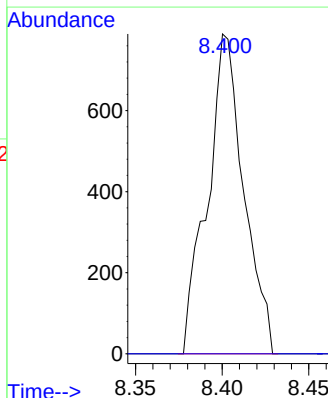
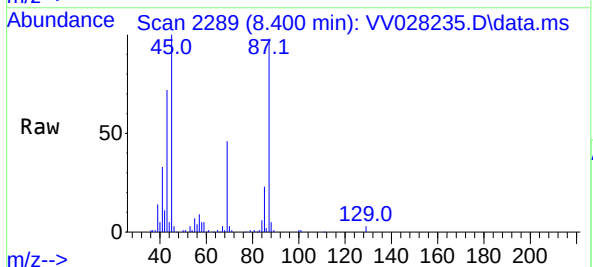
Instrument :
MSVOA_V
ClientSampleId :
EXZ53

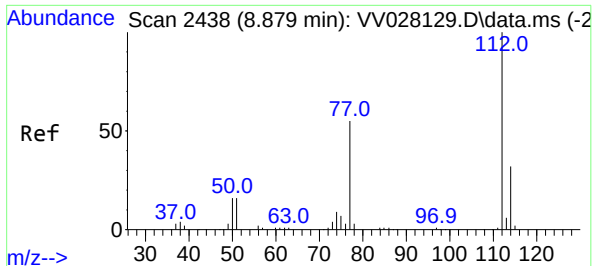
Tgt Ion:164 Resp: 1187
Ion Ratio Lower Upper
164 100
129 67.1 66.7 123.9
131 70.6 61.7 114.5
166 96.2 90.9 168.9



#49
Dibromochloromethane
Concen: 0.109 ug/L
RT: 8.400 min Scan# 2289
Delta R.T. 0.161 min
Lab File: VV028235.D
Acq: 30 Sep 2022 18:38

Tgt Ion:129 Resp: 1151
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#





#51

Chlorobenzene

Concen: 0.036 ug/L

RT: 8.876 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV028235.D

Acq: 30 Sep 2022 18:38

Instrument :

MSVOA_V

ClientSampleId :

EXZ53

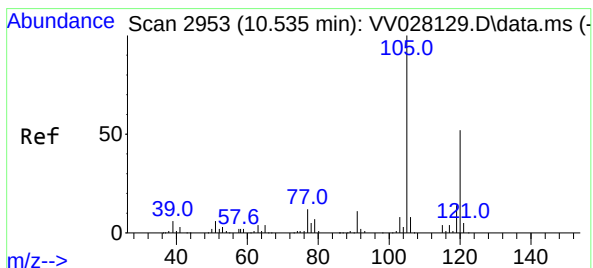
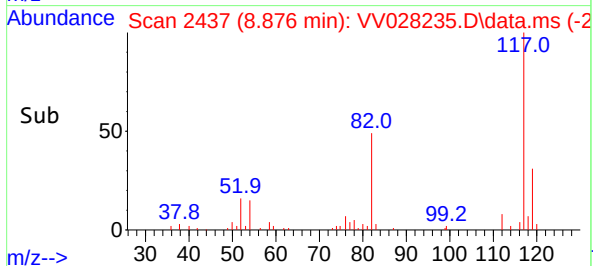
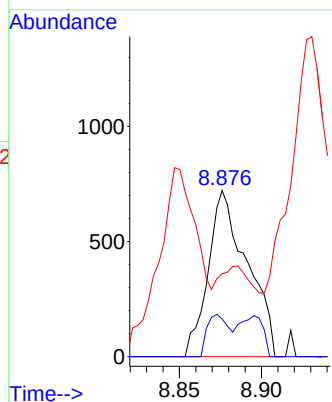
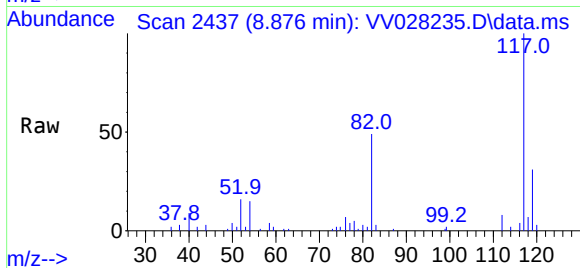
Tgt Ion:112 Resp: 1191

Ion Ratio Lower Upper

112 100

114 22.7 22.5 41.7

77 49.9 46.1 69.1



#62

1,3,5-Trimethylbenzene

Concen: 0.042 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.383 min

Lab File: VV028235.D

Acq: 30 Sep 2022 18:38

Tgt Ion:105 Resp: 668

Ion Ratio Lower Upper

105 100

120 56.9 40.6 61.0

