

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
 Data File : VV028237.D
 Acq On : 30 Sep 2022 19:28
 Operator : SY/MD
 Sample : N4873-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ55

Quant Time: Sep 30 23:02:28 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	5.613	114	158473	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	157514	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	74029	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	65356	3.978	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.561	69	59562	4.560	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.101	63	97159	3.410	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.200%
20) 2-Butanone-d5	3.899	46	130012	46.873	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.740%
24) Chloroform-d	4.339	84	125586	4.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.027	65	59299	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.043	84	246565	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.063	67	75687	4.701	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.310	98	206319	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.622	79	23973	4.122	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.085	63	110720	45.612	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.220%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	53367	4.849	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	76557	5.272	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.214	85	1172	0.099	ug/L	93
3) Chloromethane	1.237	50	660	0.042	ug/L	98
5) Vinyl chloride	1.304	62	685	0.056	ug/L #	1
6) Bromomethane	1.513	94	501	0.063	ug/L #	65
8) Chloroethane	1.462	64	47897	5.812	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1052	0.094	ug/L #	23
12) 1,1-Dichloroethene	2.111	96	7698	0.703	ug/L #	1
14) Carbon disulfide	2.285	76	1329	0.063	ug/L #	74
18) trans-1,2-Dichloroethene	2.754	96	1577	0.164	ug/L	73
19) 1,1-Dichloroethane	3.182	63	103725	4.960	ug/L	97
22) cis-1,2-Dichloroethene	3.905	96	9916	0.788	ug/L	95
25) Chloroform	4.368	83	3414	0.152	ug/L	96
29) 1,1,1-Trichloroethane	4.600	97	95582	4.939	ug/L	98
31) Carbon tetrachloride	4.597	117	13188	0.828	ug/L	97
34) Trichloroethene	5.912	95	18263	1.677	ug/L	91
35) Methylcyclohexane	6.066	83	18658	1.250	ug/L #	17
37) 1,2-Dichloropropane	6.063	63	7906	0.645	ug/L #	87
39) cis-1,3-Dichloropropene	6.982	75	1375	0.090	ug/L #	64
44) trans-1,3-Dichloropropene	7.625	75	990	0.076	ug/L	83

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

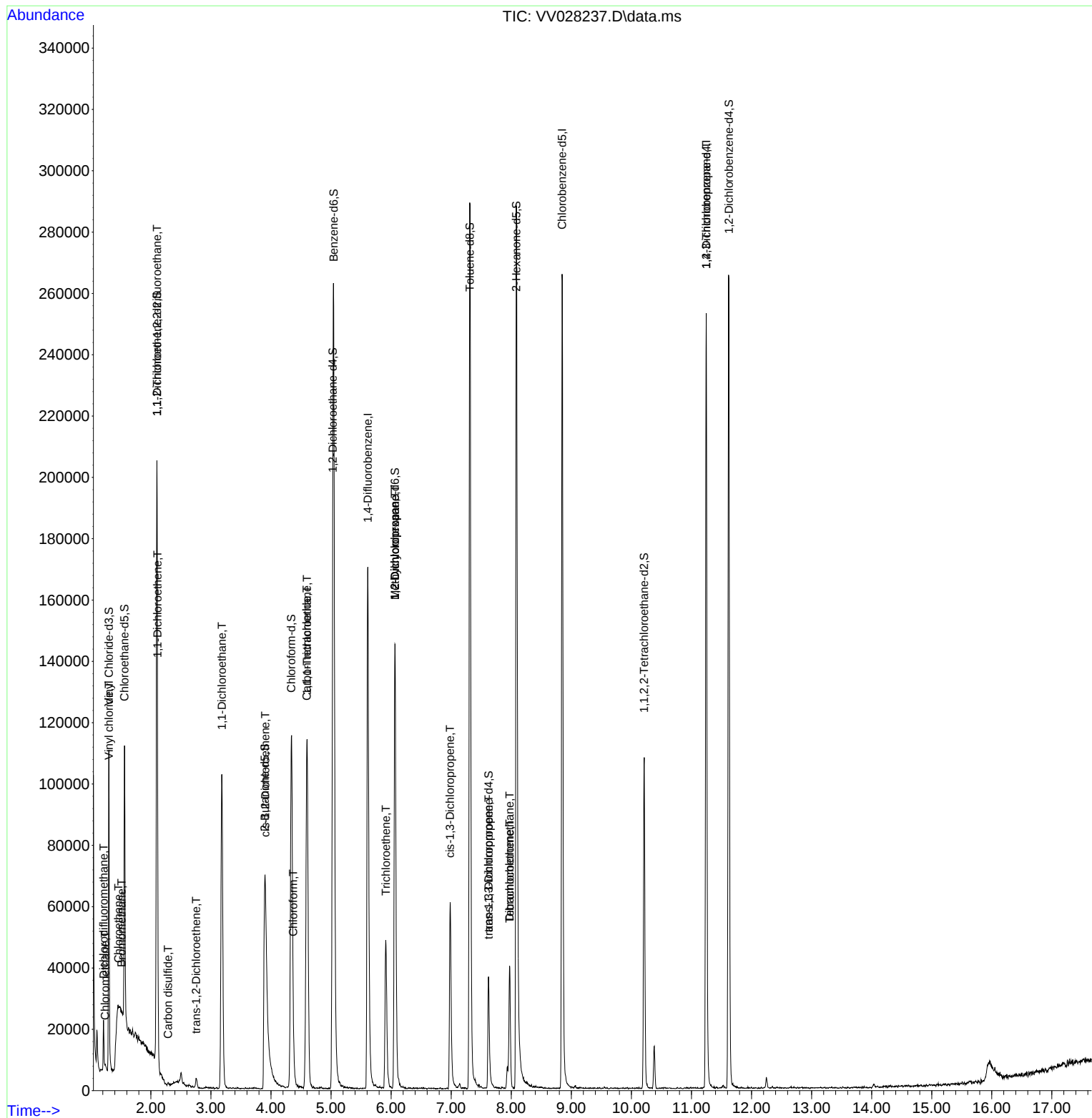
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.976	164	9972	1.147	ug/L	96
49) Dibromochloromethane	7.973	129	8957	0.906	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	6815	1.098	ug/L #	66

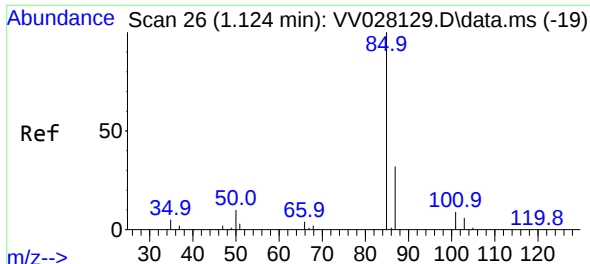
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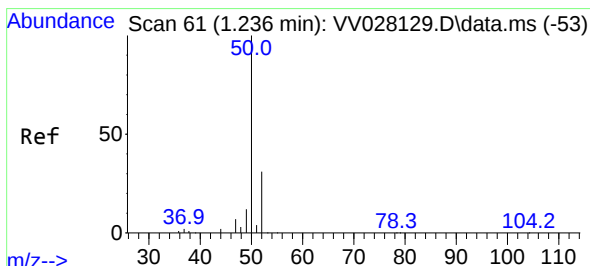
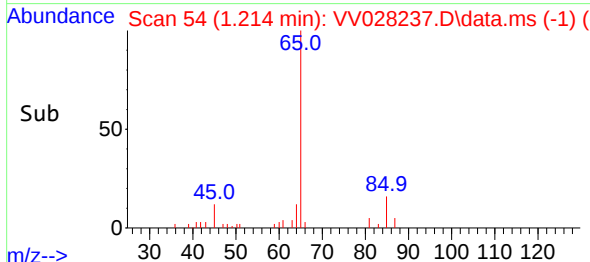
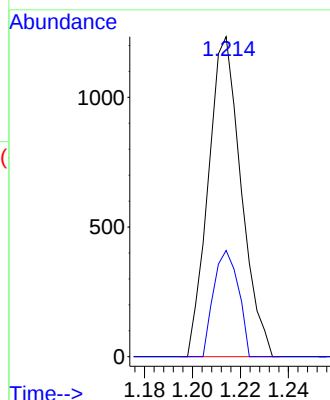
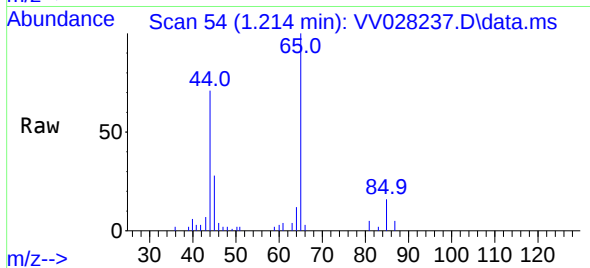




#2
 Dichlorodifluoromethane
 Concen: 0.099 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.090 min
 Lab File: VV028237.D
 Acq: 30 Sep 2022 19:28

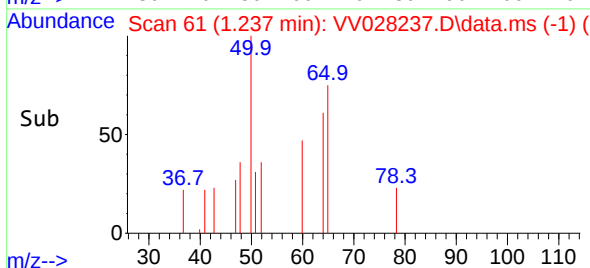
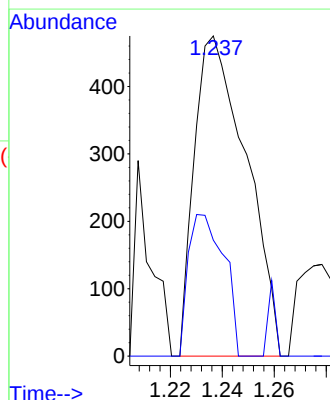
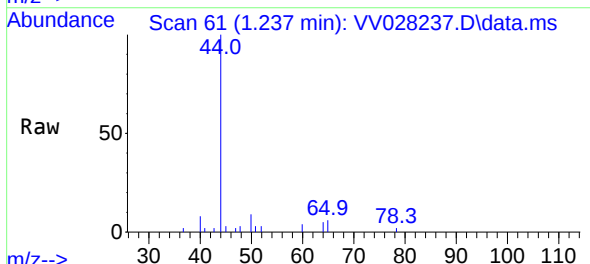
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ55

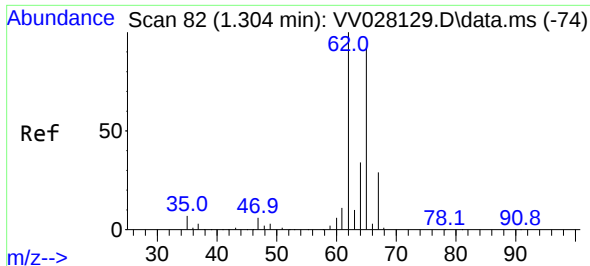
Tgt Ion: 85 Resp: 1172
 Ion Ratio Lower Upper
 85 100
 87 24.9 22.8 34.2



#3
 Chloromethane
 Concen: 0.042 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV028237.D
 Acq: 30 Sep 2022 19:28

Tgt Ion: 50 Resp: 660
 Ion Ratio Lower Upper
 50 100
 52 36.2 24.4 45.2

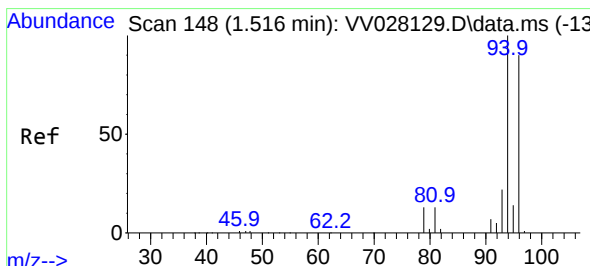
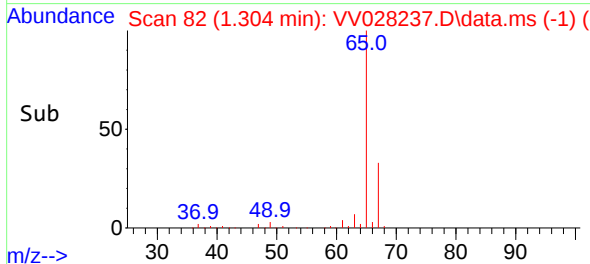
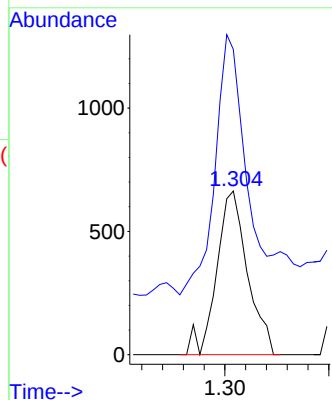
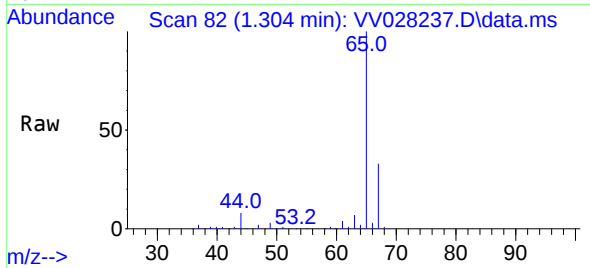




#5
 Vinyl chloride
 Concen: 0.056 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028237.D
 Acq: 30 Sep 2022 19:28

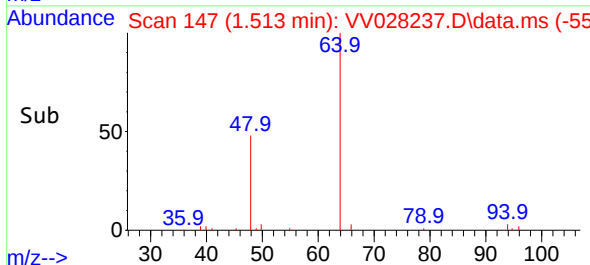
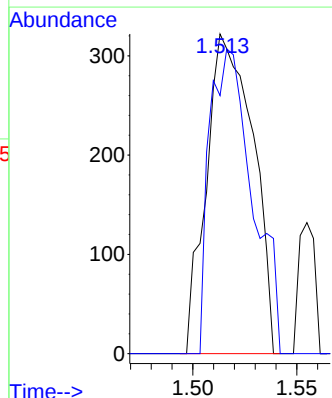
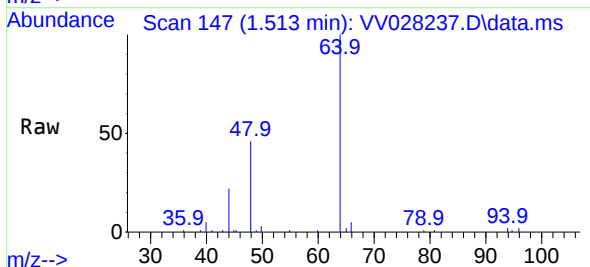
Instrument :
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 ClientSampleId :
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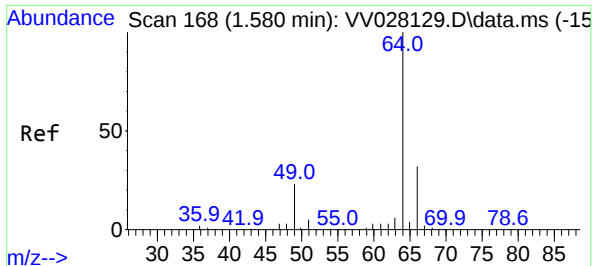
Tgt Ion: 62 Resp: 685
 Ion Ratio Lower Upper
 62 100
 64 186.4 23.0 42.8#



#6
 Bromomethane
 Concen: 0.063 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV028237.D
 Acq: 30 Sep 2022 19:28

Tgt Ion: 94 Resp: 501
 Ion Ratio Lower Upper
 94 100
 96 61.3 66.7 123.9#

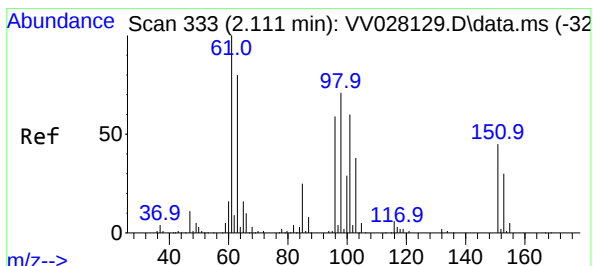
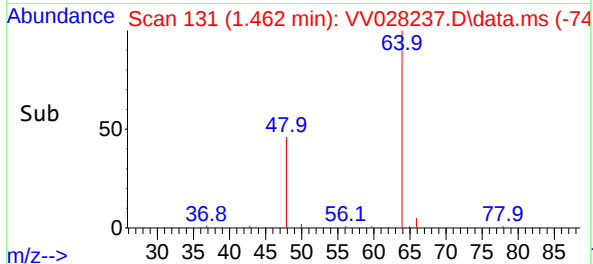
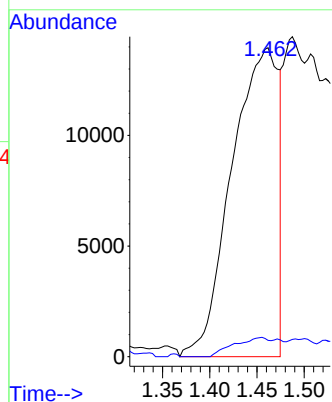
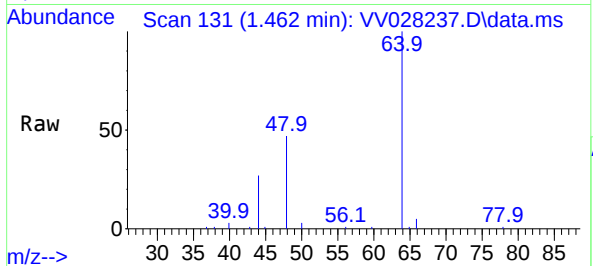




#8
Chloroethane
Concen: 5.812 ug/L
RT: 1.462 min Scan# 11
Delta R.T. -0.116 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

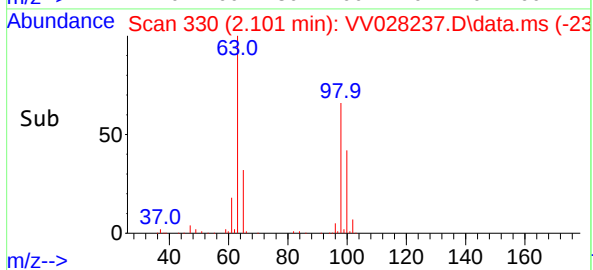
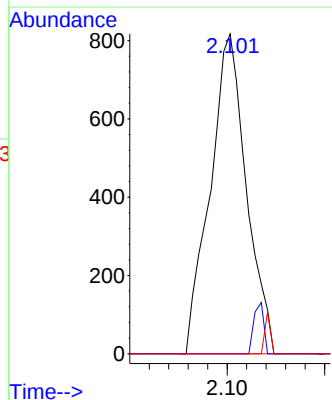
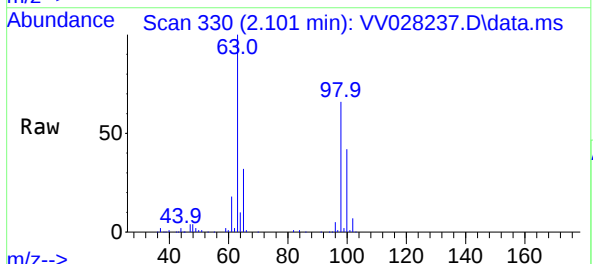
Instrument :
MSVOA_V
ClientSampleId :
EXZ55

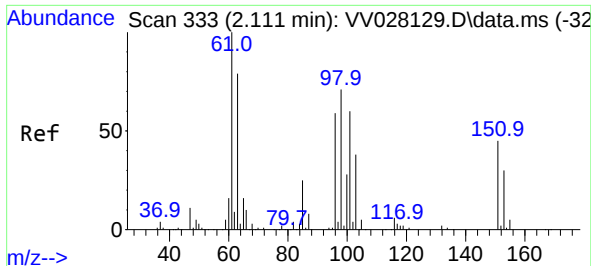
Tgt Ion: 64 Resp: 47897
Ion Ratio Lower Upper
64 100
66 5.3 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.094 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.006 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 101 Resp: 1052
Ion Ratio Lower Upper
101 100
85 4.4 34.4 51.6#
151 1.9 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.703 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028237.D

Acq: 30 Sep 2022 19:28

Instrument :

MSVOA_V

ClientSampleId :

EXZ55

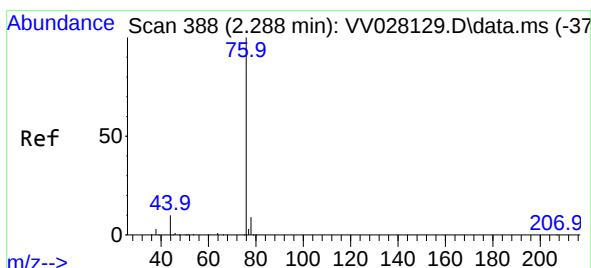
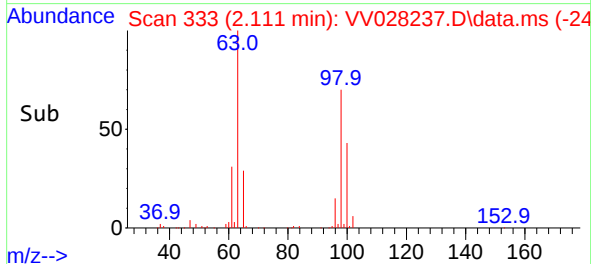
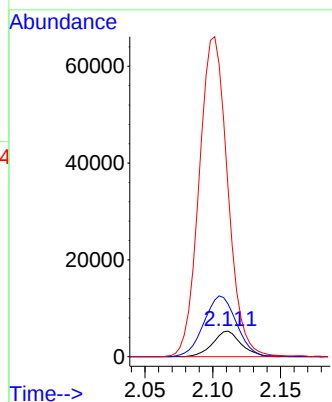
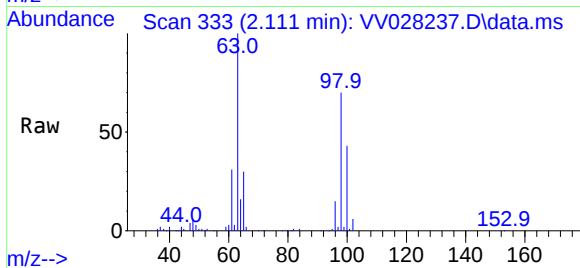
Tgt Ion: 96 Resp: 7698

Ion Ratio Lower Upper

96 100

61 206.1 128.3 238.3

63 667.2 112.7 209.3#



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.285 min Scan# 387

Delta R.T. 0.000 min

Lab File: VV028237.D

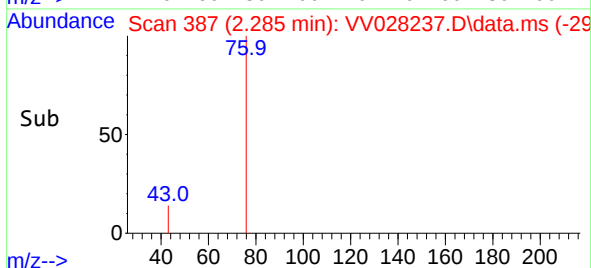
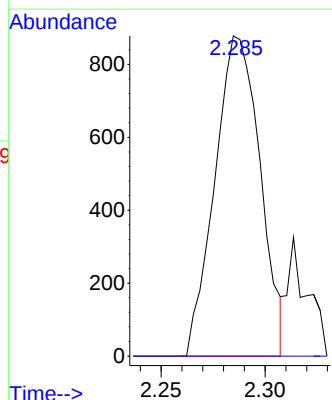
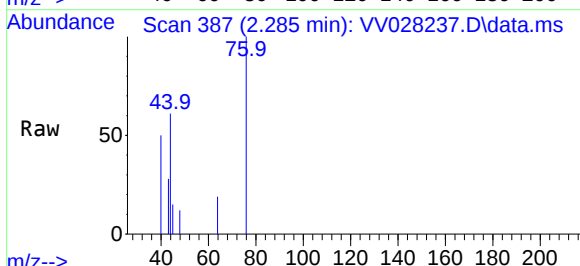
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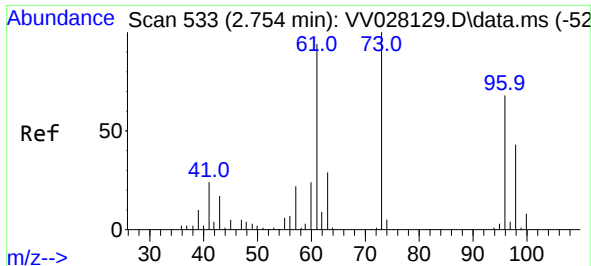
Tgt Ion: 76 Resp: 1329

Ion Ratio Lower Upper

76 100

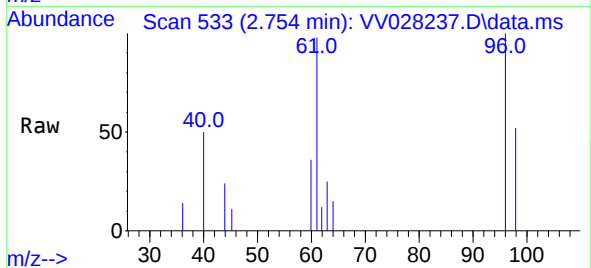
78 0.0 7.6 11.4#





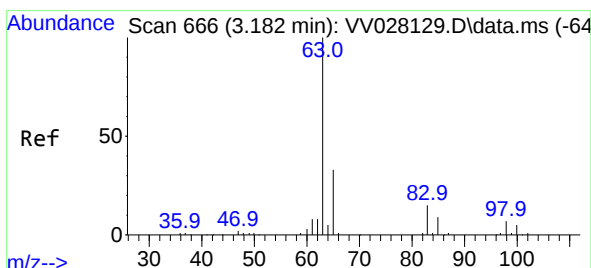
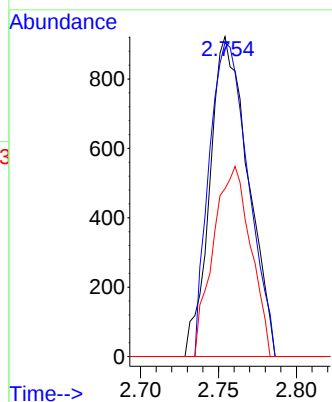
#18
trans-1,2-Dichloroethene
Concen: 0.164 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Instrument :
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Tgt Ion: 96 Resp: 1577

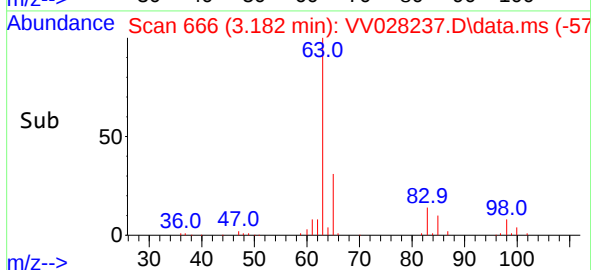
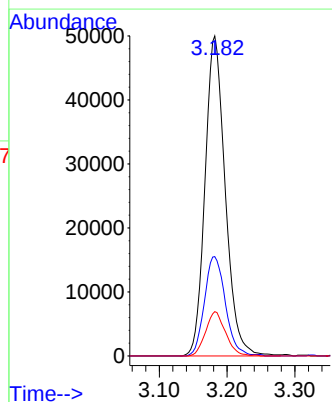
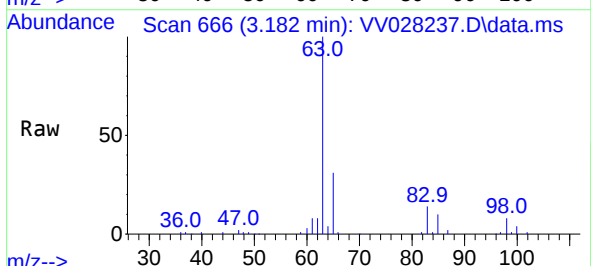
Ion	Ratio	Lower	Upper
96	100		
61	98.2	96.2	178.6
98	52.5	45.7	84.9

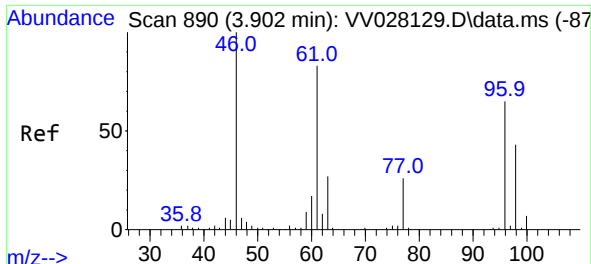


#19
1,1-Dichloroethane
Concen: 4.960 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV028237.D
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Tgt Ion: 63 Resp: 103725

Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.0	42.8
83	13.8	9.2	17.2

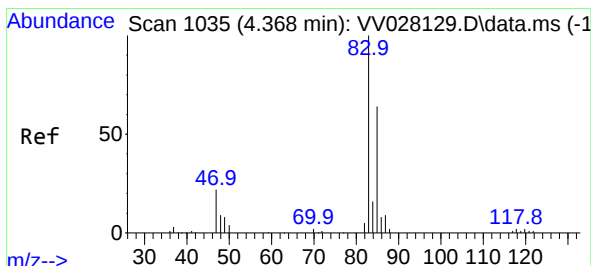
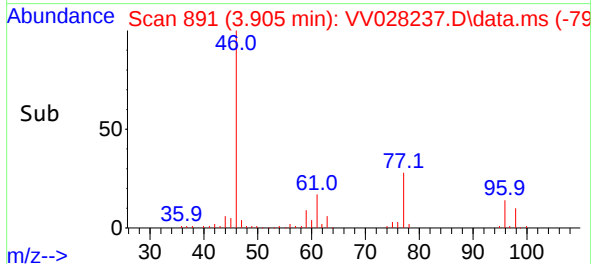
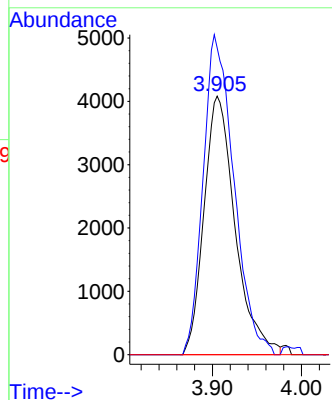
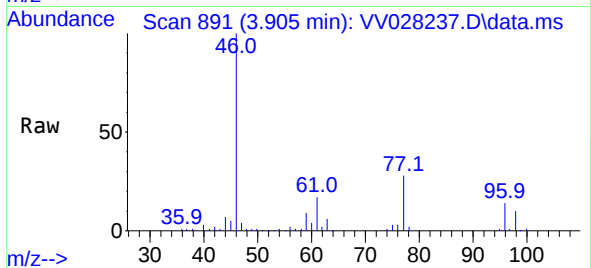




#22
cis-1,2-Dichloroethene
Concen: 0.788 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.006 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

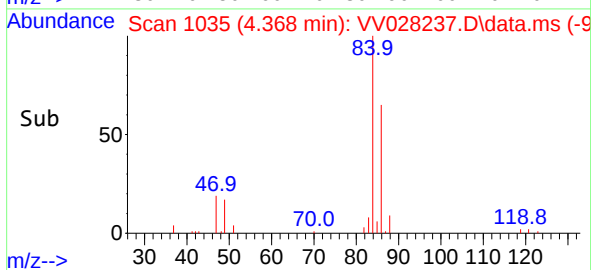
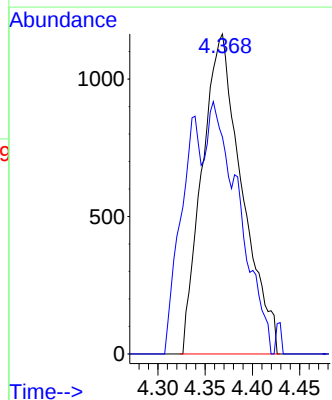
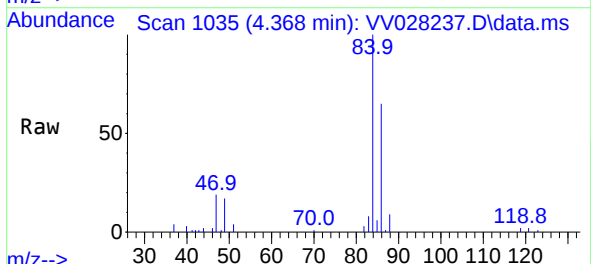
Instrument :
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ClientSampleId :
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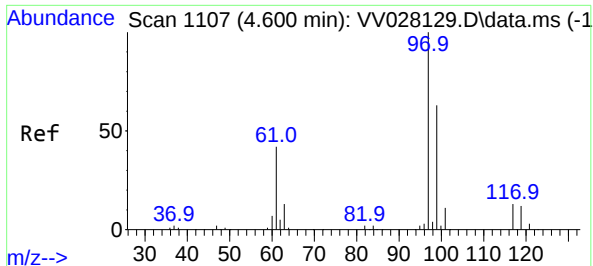
Tgt Ion: 96 Resp: 9916
Ion Ratio Lower Upper
96 100
61 118.7 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.152 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.006 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 83 Resp: 3414
Ion Ratio Lower Upper
83 100
85 67.8 45.1 83.7

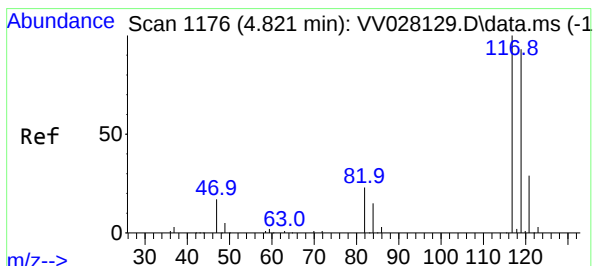
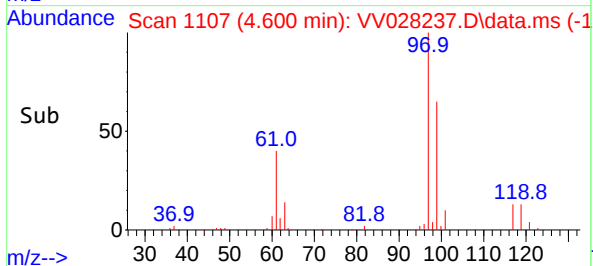
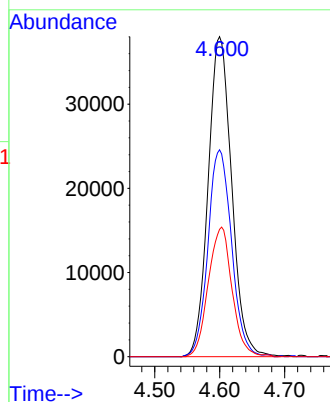
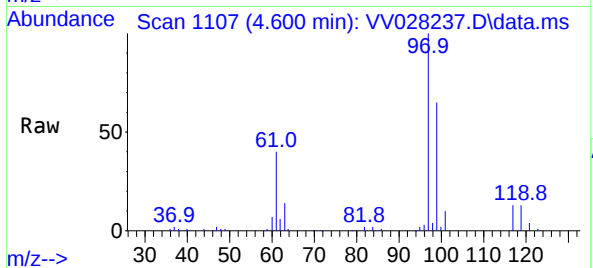




#29
1,1,1-Trichloroethane
Concen: 4.939 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

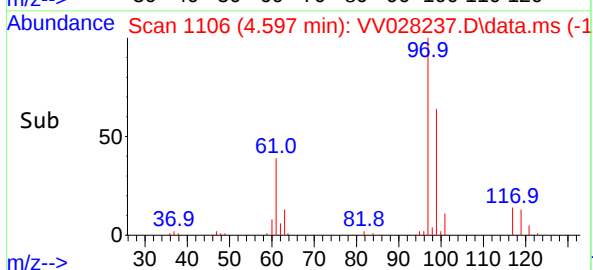
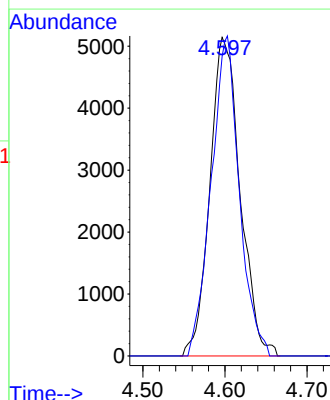
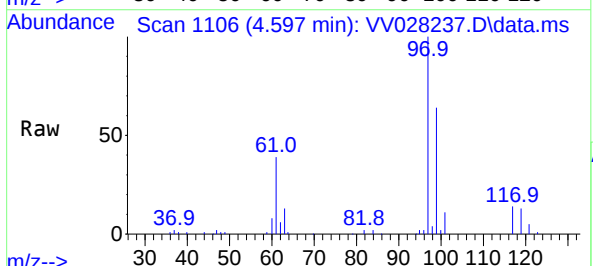
Instrument :
MSVOA_V
ClientSampleId :
EXZ55

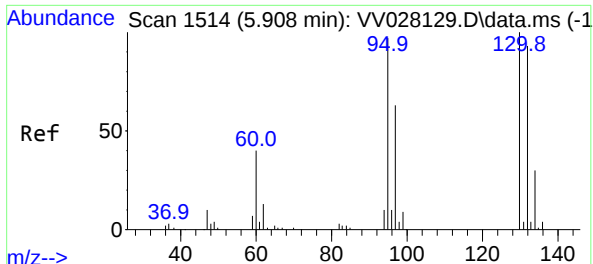
Tgt Ion: 97 Resp: 95582
Ion Ratio Lower Upper
97 100
99 65.0 51.9 77.9
61 40.9 34.8 52.2



#31
Carbon tetrachloride
Concen: 0.828 ug/L
RT: 4.597 min Scan# 1106
Delta R.T. -0.222 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 117 Resp: 13188
Ion Ratio Lower Upper
117 100
119 93.2 76.9 115.3



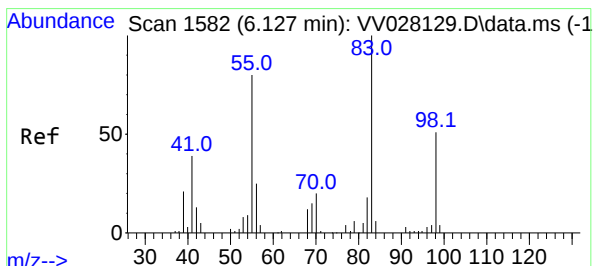
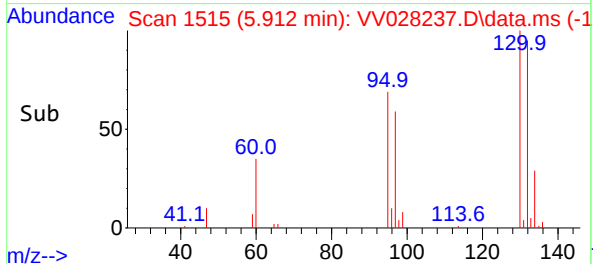
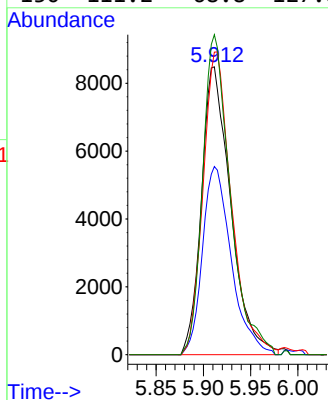
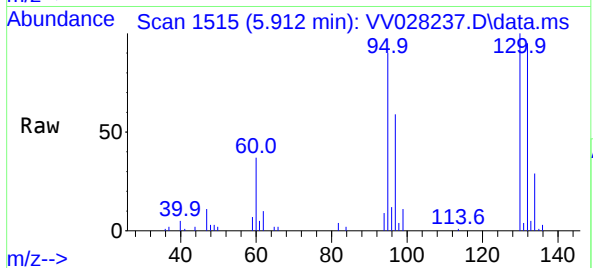


#34
Trichloroethene
Concen: 1.677 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Instrument :
MSVOA_V
ClientSampleId :
EXZ55

Tgt Ion: 95 Resp: 18263

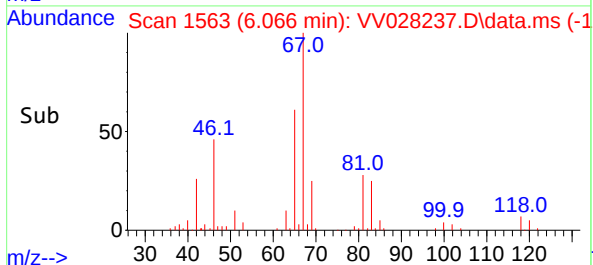
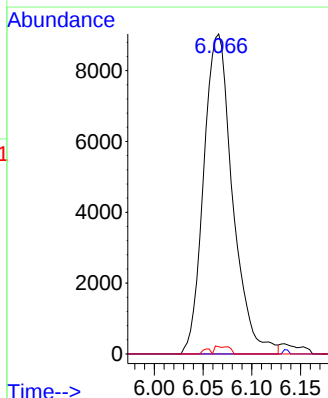
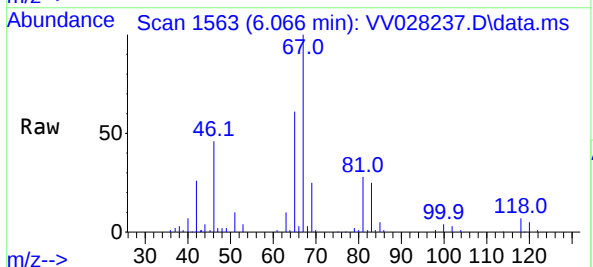
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.2	82.0
132	105.1	67.8	126.0
130	111.2	68.8	127.8

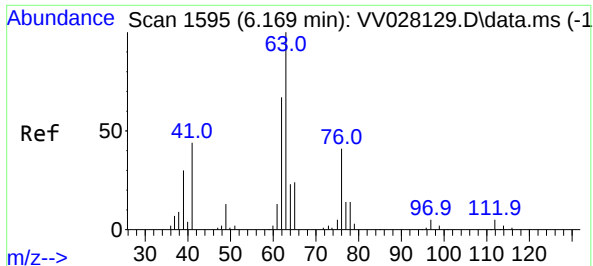


#35
Methylcyclohexane
Concen: 1.250 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.055 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 83 Resp: 18658

Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.7	97.1#
98	1.2	39.5	59.3#

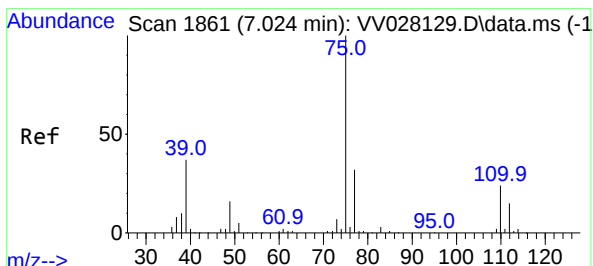
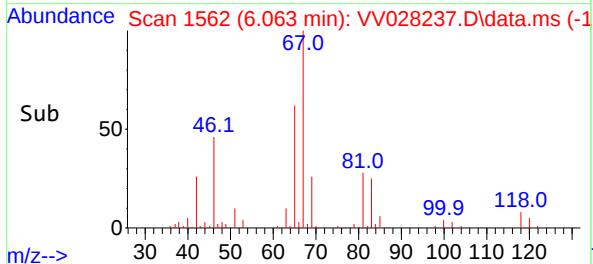
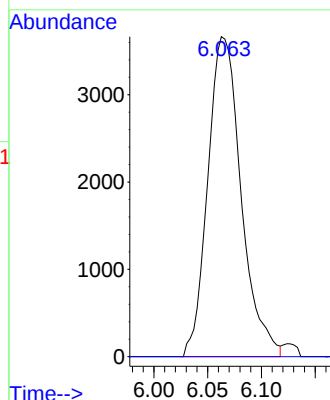
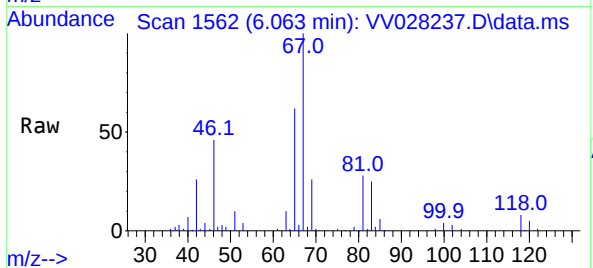




#37
1,2-Dichloropropane
Concen: 0.645 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

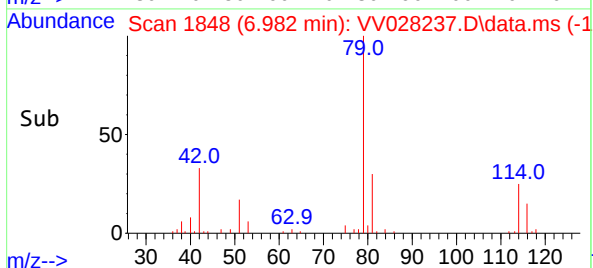
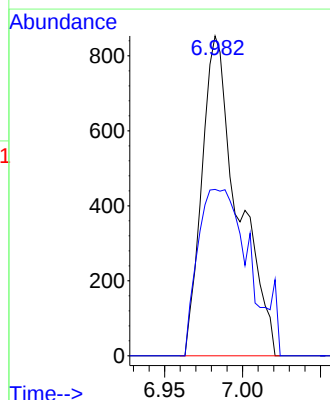
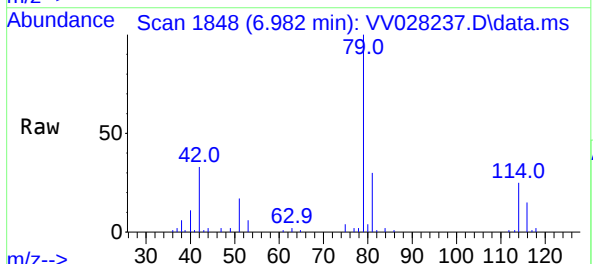
Instrument :
MSVOA_V
ClientSampleId :
EXZ55

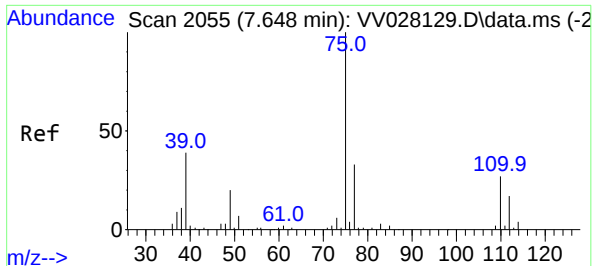
Tgt Ion: 63 Resp: 7906
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.039 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 75 Resp: 1375
Ion Ratio Lower Upper
75 100
77 52.1 22.4 41.6#

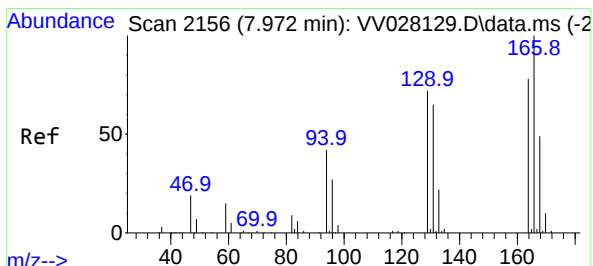
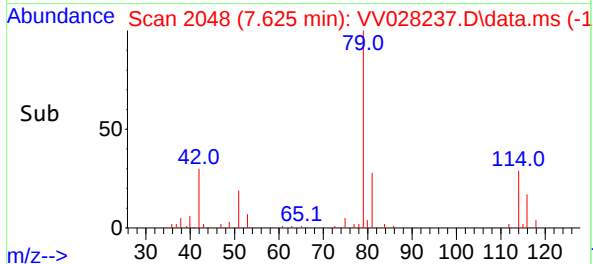
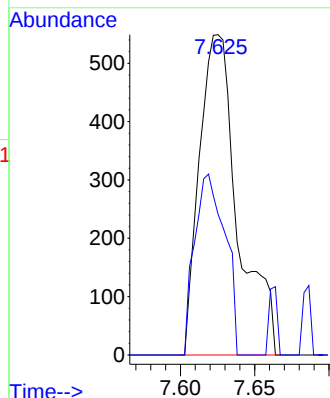
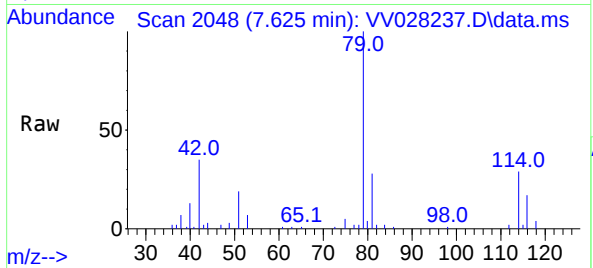




#44
trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.625 min Scan# 2055
Delta R.T. -0.019 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

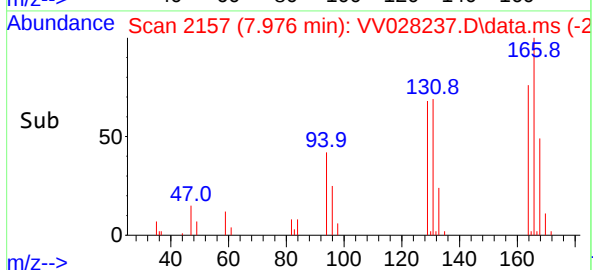
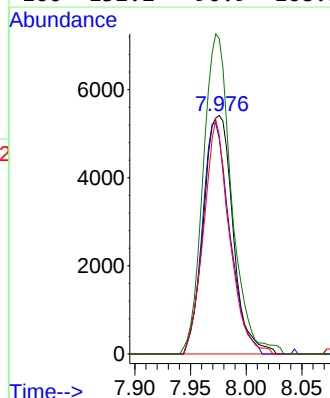
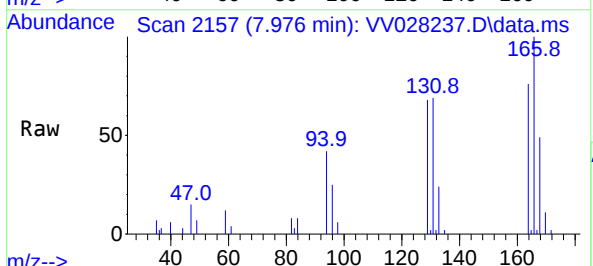
Instrument :
MSVOA_V
ClientSampleId :
EXZ55

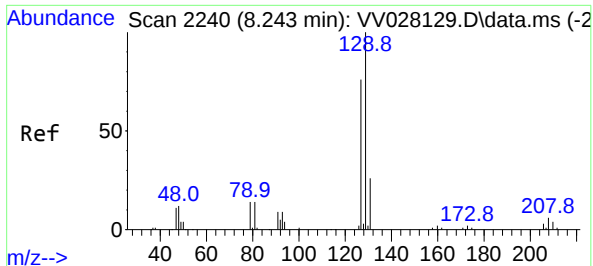
Tgt Ion: 75 Resp: 990
Ion Ratio Lower Upper
75 100
77 43.9 23.9 44.3



#47
Tetrachloroethene
Concen: 1.147 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV028237.D
Acq: 30 Sep 2022 19:28

Tgt Ion: 164 Resp: 9972
Ion Ratio Lower Upper
164 100
129 90.3 66.7 123.9
131 91.9 61.7 114.5
166 132.2 90.9 168.9





#49

Dibromochloromethane

Concen: 0.906 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV028237.D

Acq: 30 Sep 2022 19:28

Instrument :

MSVOA_V

ClientSampleId :

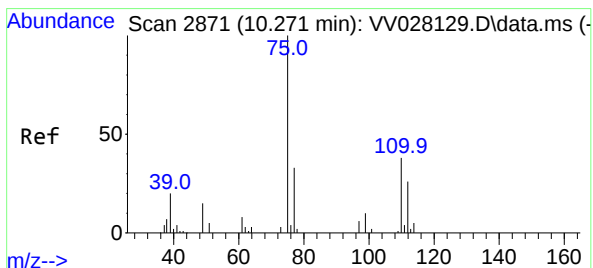
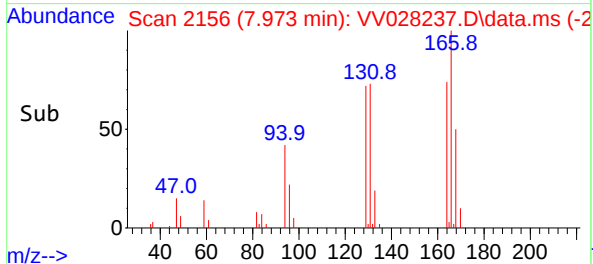
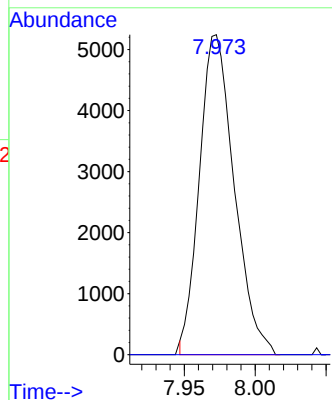
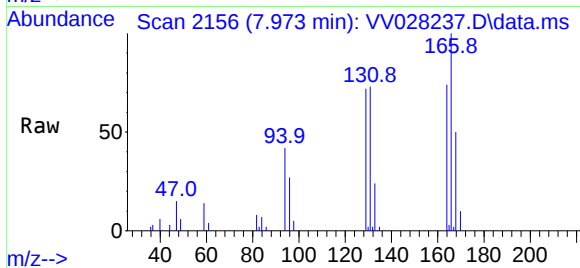
EXZ55

Tgt Ion:129 Resp: 8957

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#61

1,2,3-Trichloropropane

Concen: 1.098 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.977 min

Lab File: VV028237.D

Acq: 30 Sep 2022 19:28

Tgt Ion: 75 Resp: 6815

Ion Ratio Lower Upper

75 100

77 32.8 26.7 40.1

110 0.0 30.1 45.1#

