

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW093022\
 Data File : VW028221.D
 Acq On : 30 Sep 2022 12:52
 Operator : SY/MD
 Sample : N4730-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFS7

Quant Time: Sep 30 22:56:45 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	138023	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	138110	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	64278	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	39325	2.748	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.000%
7) Chloroethane-d5	1.561	69	40994	3.603	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.101	63	55691	2.244	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.800%#
20) 2-Butanone-d5	3.896	46	155615	64.417	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.840%
24) Chloroform-d	4.343	84	106658	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.027	65	57516	5.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	5.043	84	188569	4.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.063	67	65885	4.667	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.313	98	144819	3.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	7.622	79	19197	3.764	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.085	63	134882	63.372	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.740%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	59271	6.142	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.800%#
66) 1,2-Dichlorobenzene-d4	11.622	152	67103	5.322	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	881	0.065	ug/L	91
5) Vinyl chloride	1.304	62	87312	8.158	ug/L	99
6) Bromomethane	1.519	94	1146	0.164	ug/L	89
8) Chloroethane	1.474	64	67230	9.367	ug/L #	50
12) 1,1-Dichloroethene	2.101	96	779	0.082	ug/L #	1
14) Carbon disulfide	2.285	76	2228	0.122	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	1960	0.235	ug/L	86
19) 1,1-Dichloroethane	3.188	63	1413	0.078	ug/L #	85
22) cis-1,2-Dichloroethene	3.902	96	64635	5.899	ug/L	95
25) Chloroform	4.365	83	1947	0.100	ug/L	91
33) Benzene	5.098	78	31598	0.824	ug/L	100
34) Trichloroethene	5.918	95	2111	0.221	ug/L	94
35) Methylcyclohexane	6.124	83	5404	0.413	ug/L	88
37) 1,2-Dichloropropane	6.063	63	7166	0.667	ug/L #	87
39) cis-1,3-Dichloropropene	6.992	75	1138	0.085	ug/L #	29
47) Tetrachloroethene	7.969	164	1254	0.165	ug/L #	80
49) Dibromochloromethane	7.979	129	1190	0.137	ug/L #	11
52) Ethylbenzene	9.018	91	1887	0.045	ug/L	98
53) m,p-Xylene	9.143	106	848	0.052	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
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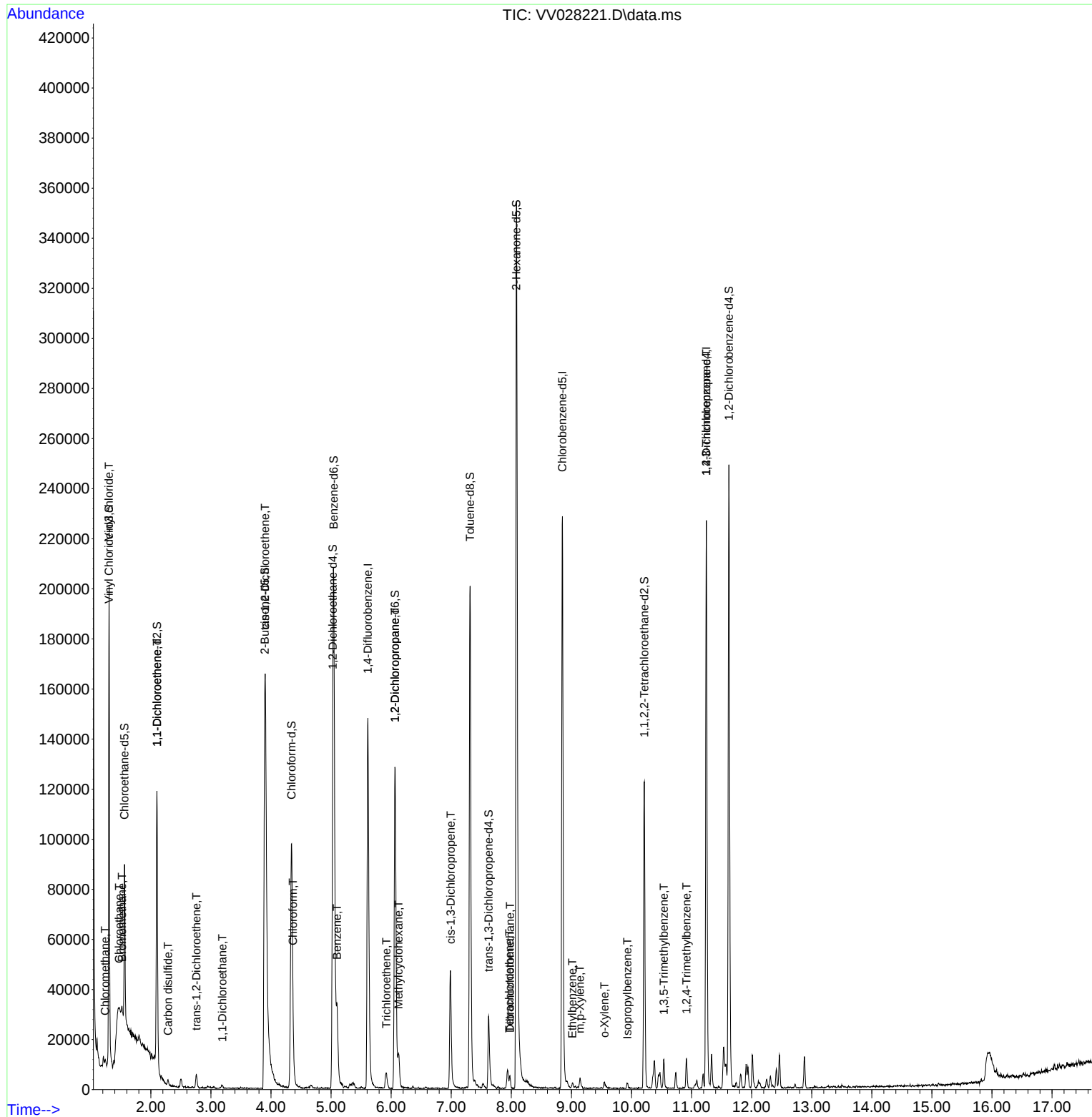
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.551	106	884	0.055	ug/L	84
60) Isopropylbenzene	9.931	105	1502	0.040	ug/L	96
61) 1,2,3-Trichloropropane	11.246	75	6218	1.153	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.538	105	6611	0.622	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	6873	0.231	ug/L	97

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

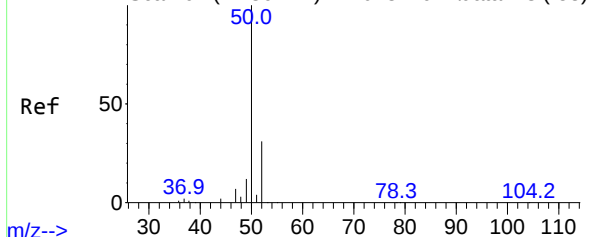
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Abundance Scan 61 (1.236 min): VV028129.D\data.ms (-53)



#3

Chloromethane

Concen: 0.065 ug/L

RT: 1.237 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

EXFS7

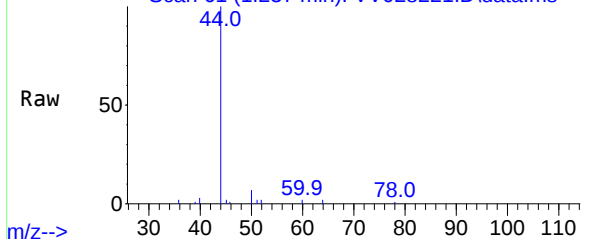
Tgt Ion: 50 Resp: 881

Ion Ratio Lower Upper

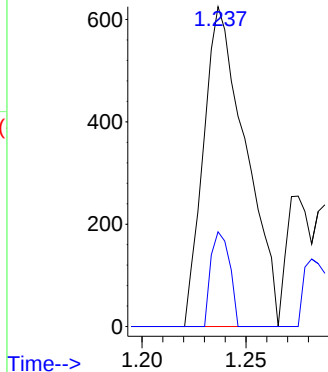
50 100

52 29.6 24.4 45.2

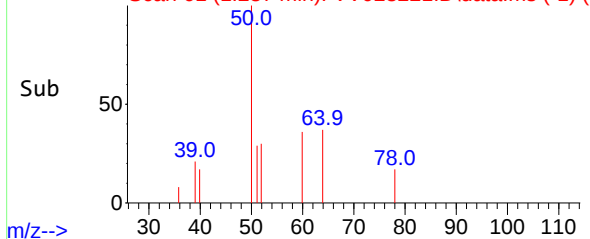
Abundance Scan 61 (1.237 min): VV028221.D\data.ms



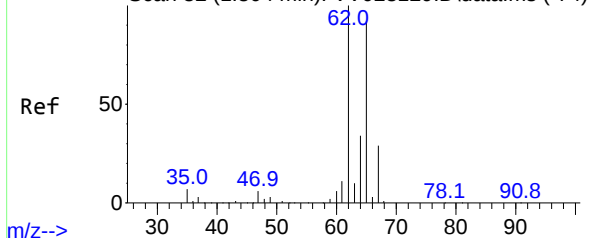
Abundance



Abundance Scan 61 (1.237 min): VV028221.D\data.ms (-1) (



Abundance Scan 82 (1.304 min): VV028129.D\data.ms (-74)



#5

Vinyl chloride

Concen: 8.158 ug/L

RT: 1.304 min Scan# 82

Delta R.T. -0.000 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

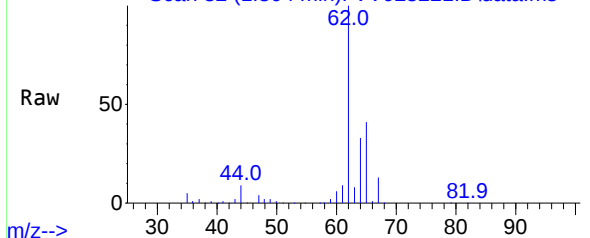
Tgt Ion: 62 Resp: 87312

Ion Ratio Lower Upper

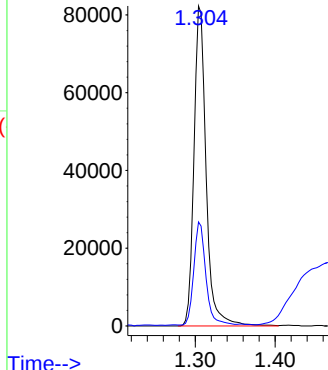
62 100

64 32.5 23.0 42.8

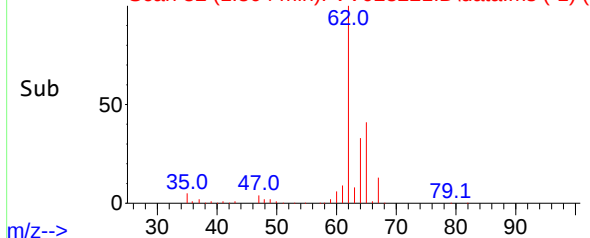
Abundance Scan 82 (1.304 min): VV028221.D\data.ms

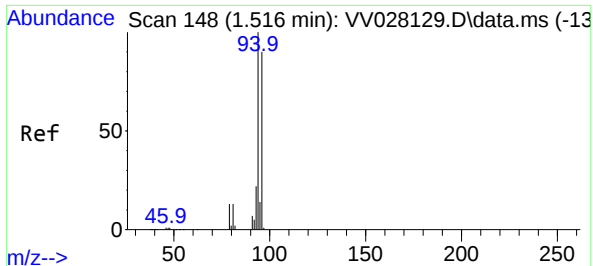


Abundance



Abundance Scan 82 (1.304 min): VV028221.D\data.ms (-1) (

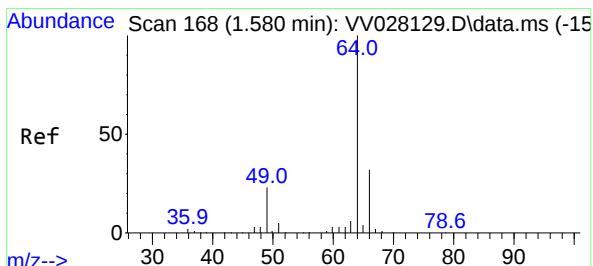
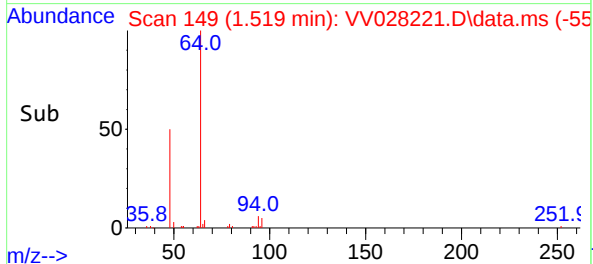
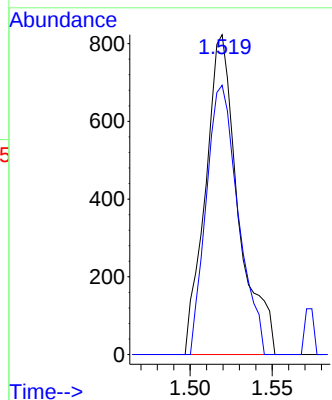
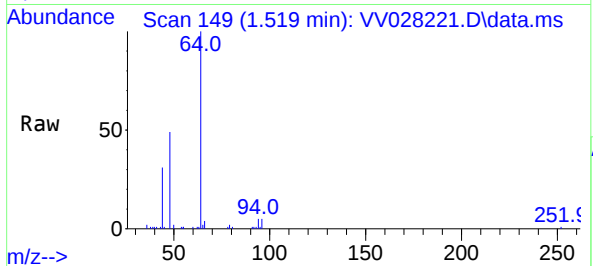




#6
Bromomethane
Concen: 0.164 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

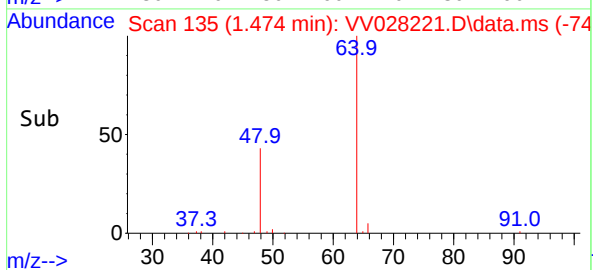
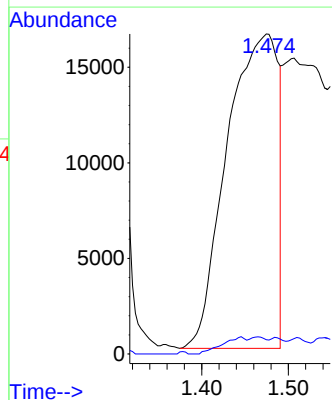
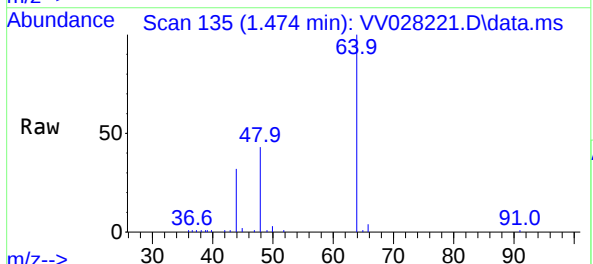
Instrument :
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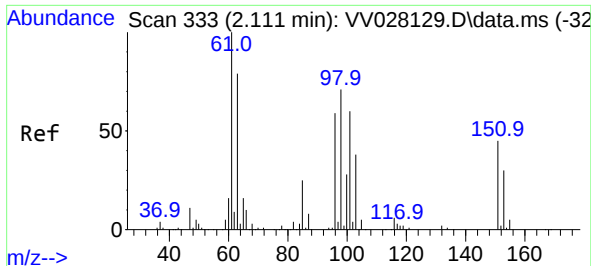
Tgt Ion: 94 Resp: 1146
Ion Ratio Lower Upper
94 100
96 84.2 66.7 123.9



#8
Chloroethane
Concen: 9.367 ug/L
RT: 1.474 min Scan# 135
Delta R.T. -0.103 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 64 Resp: 67230
Ion Ratio Lower Upper
64 100
66 4.5 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

EXFS7

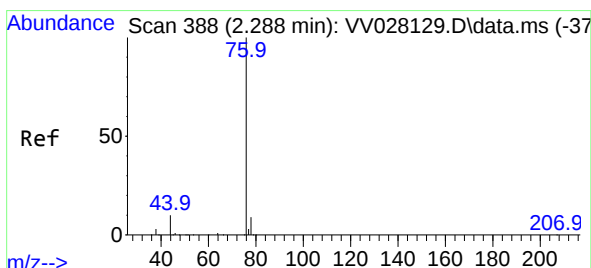
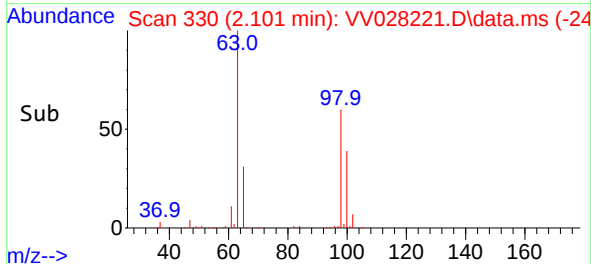
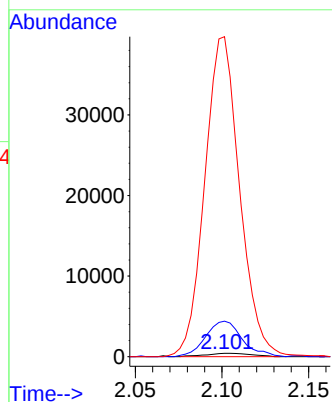
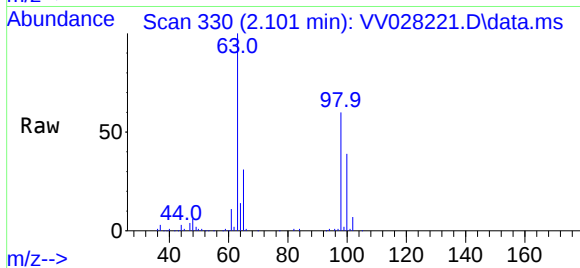
Tgt Ion: 96 Resp: 779

Ion Ratio Lower Upper

96 100

61 1064.6 128.3 238.3#

63 9569.2 112.7 209.3#



#14

Carbon disulfide

Concen: 0.122 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV028221.D

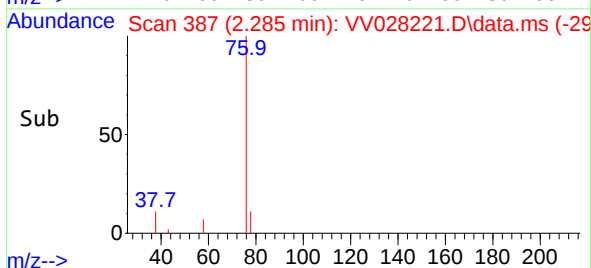
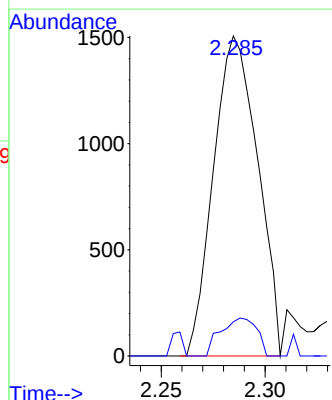
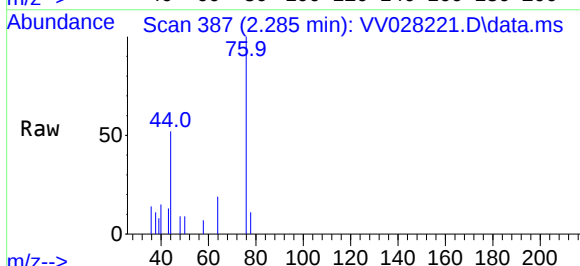
Acq: 30 Sep 2022 12:52

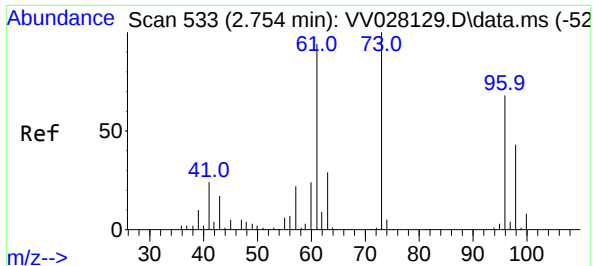
Tgt Ion: 76 Resp: 2228

Ion Ratio Lower Upper

76 100

78 10.7 7.6 11.4

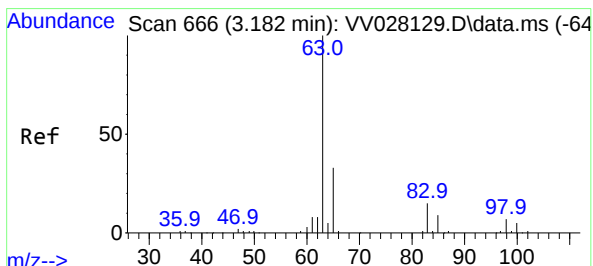
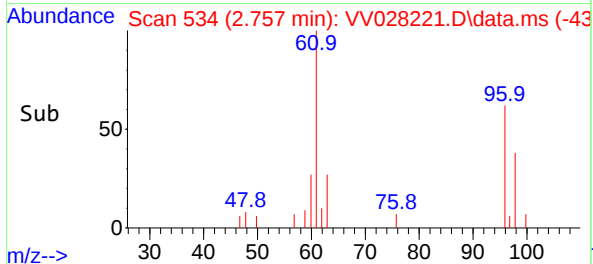
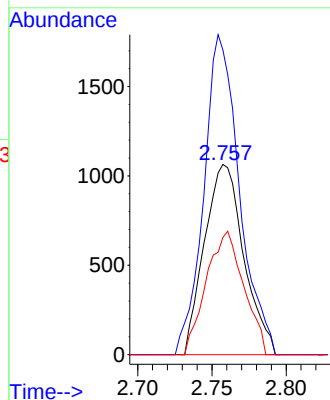
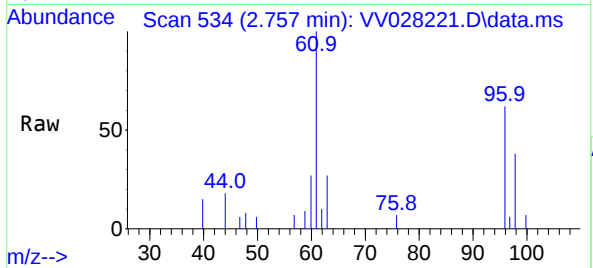




#18
trans-1,2-Dichloroethene
Concen: 0.235 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

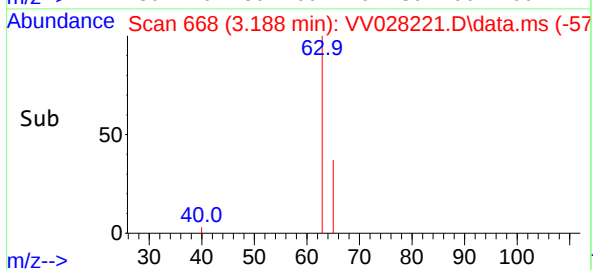
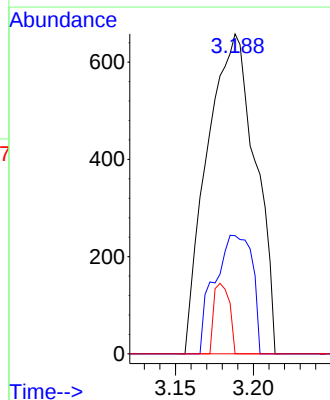
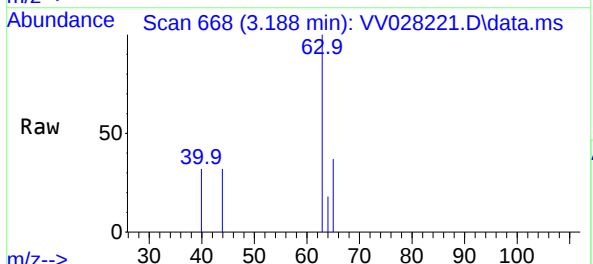
Instrument :
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ClientSampleId :
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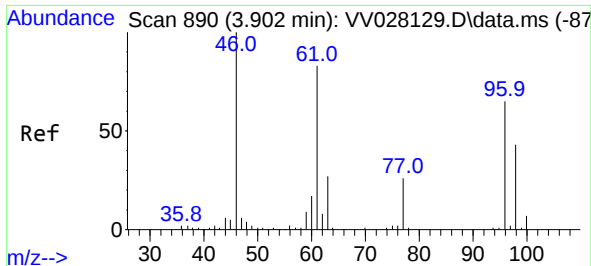
Tgt Ion: 96 Resp: 1960
Ion Ratio Lower Upper
96 100
61 160.2 96.2 178.6
98 61.7 45.7 84.9



#19
1,1-Dichloroethane
Concen: 0.078 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 63 Resp: 1413
Ion Ratio Lower Upper
63 100
65 36.9 23.0 42.8
83 0.0 9.2 17.2#

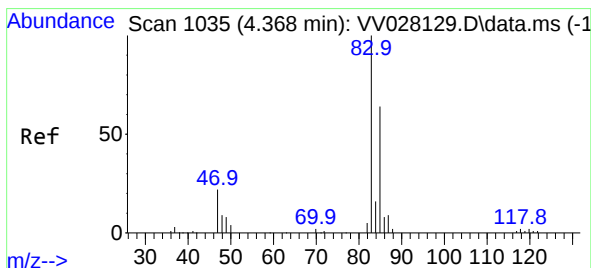
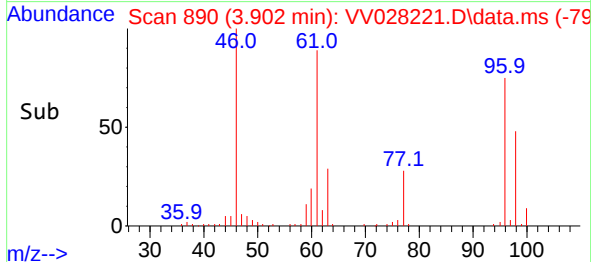
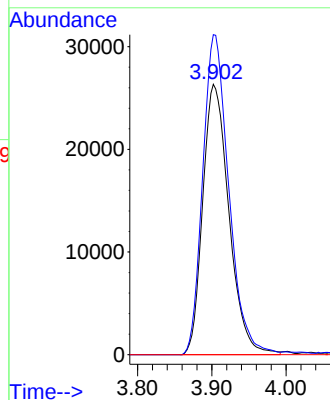
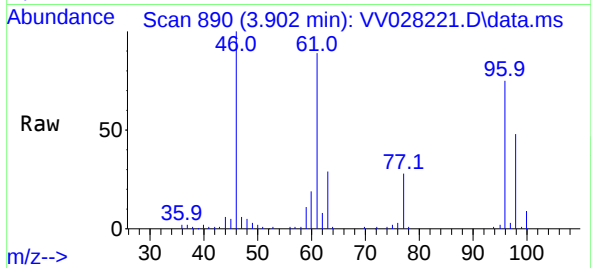




#22
cis-1,2-Dichloroethene
Concen: 5.899 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

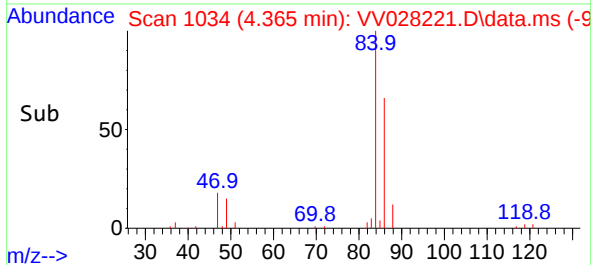
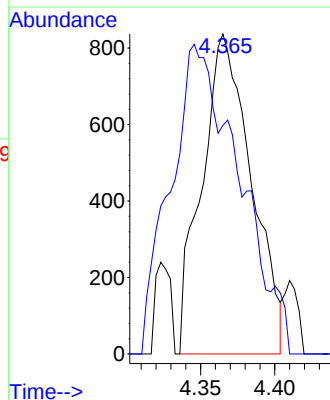
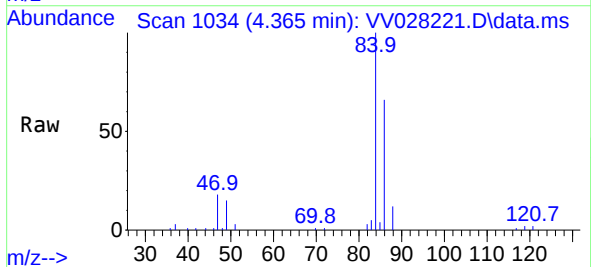
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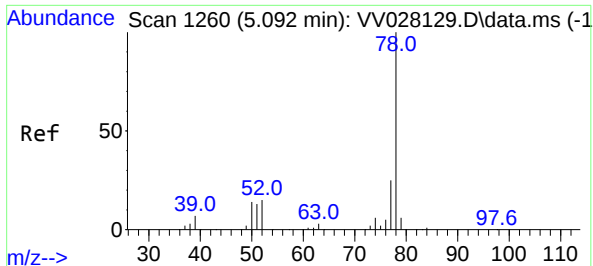
Tgt Ion: 96 Resp: 64635
Ion Ratio Lower Upper
96 100
61 118.3 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.100 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 83 Resp: 1947
Ion Ratio Lower Upper
83 100
85 71.4 45.1 83.7

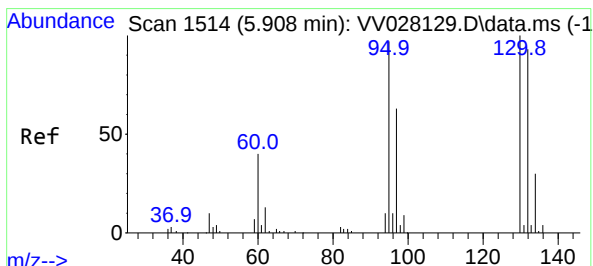
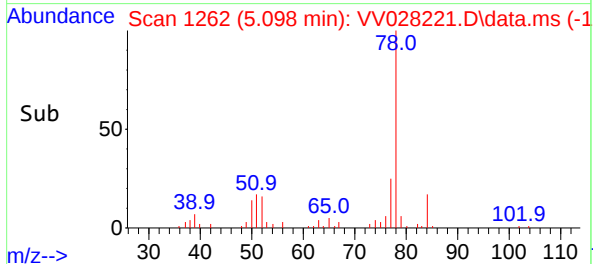
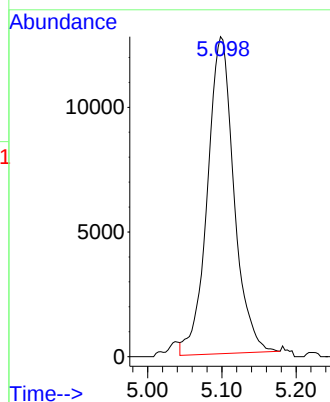
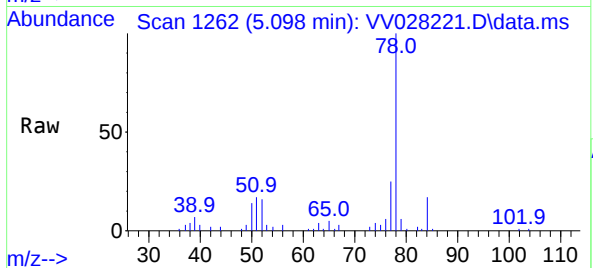




#33
Benzene
Concen: 0.824 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 78 Resp: 31598

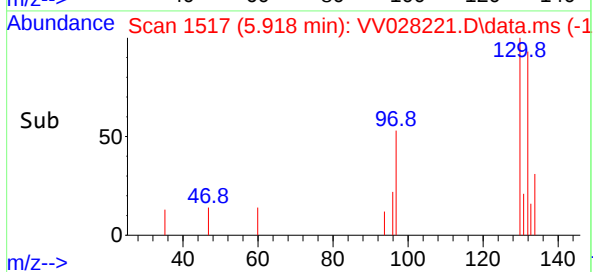
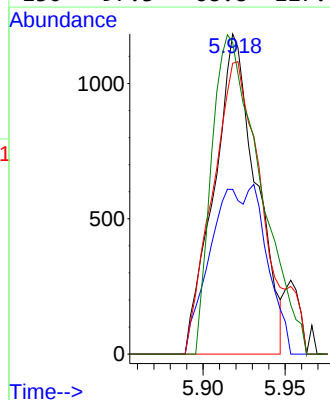
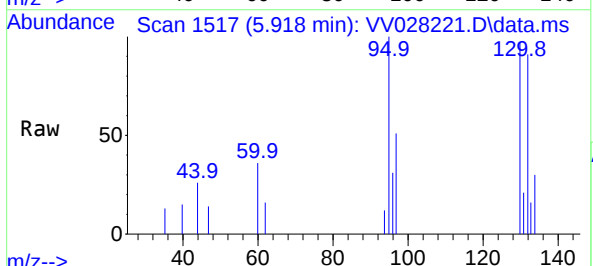
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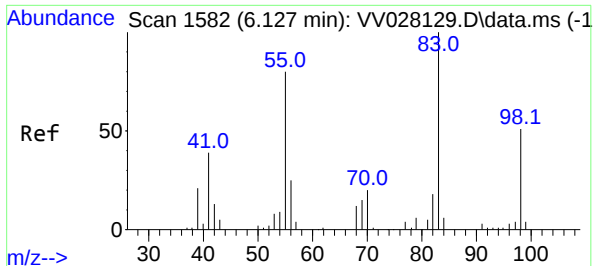


#34
Trichloroethene
Concen: 0.221 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.013 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 95 Resp: 2111

Ion	Ratio	Lower	Upper
95	100		
97	51.5	44.2	82.0
132	90.9	67.8	126.0
130	97.3	68.8	127.8

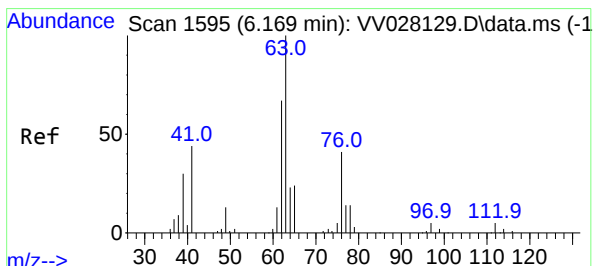
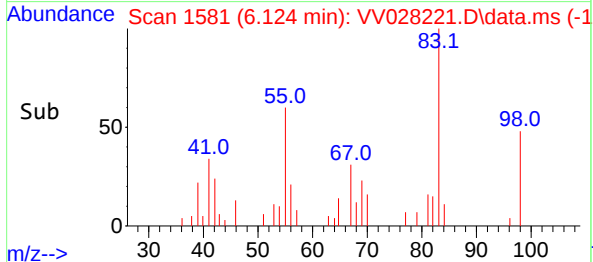
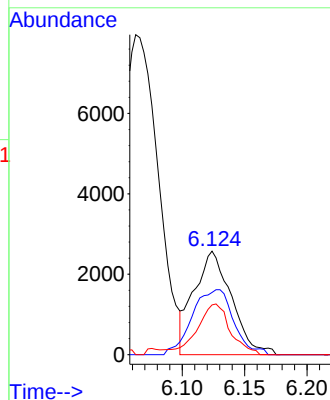
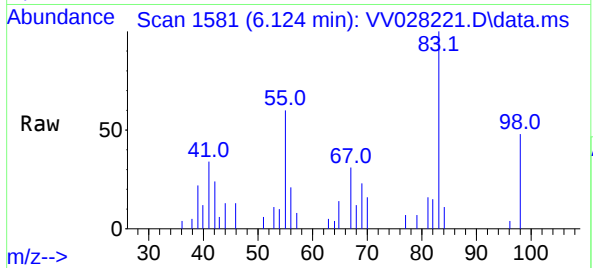




#35
Methylcyclohexane
Concen: 0.413 ug/L
RT: 6.124 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

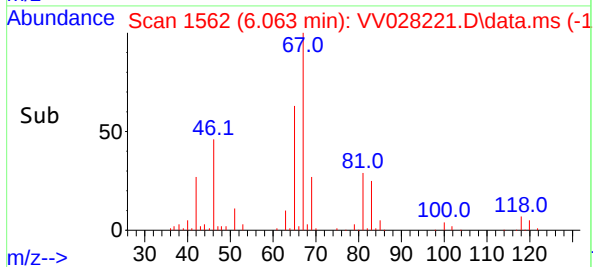
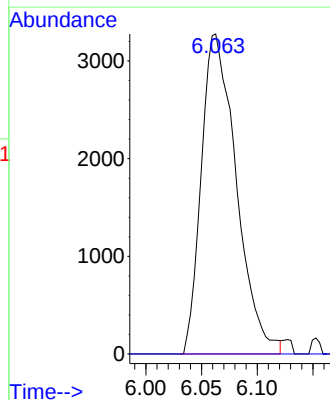
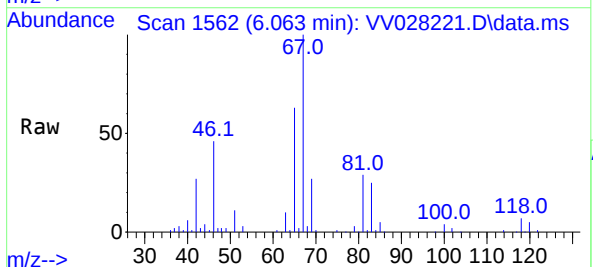
Instrument :
MSVOA_V
ClientSampleId :
EXFS7

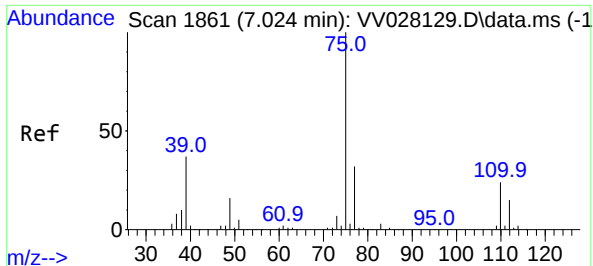
Tgt Ion: 83 Resp: 5404
Ion Ratio Lower Upper
83 100
55 68.9 64.7 97.1
98 43.4 39.5 59.3



#37
1,2-Dichloropropane
Concen: 0.667 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion: 63 Resp: 7166
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

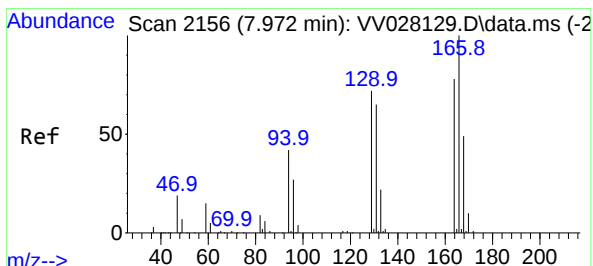
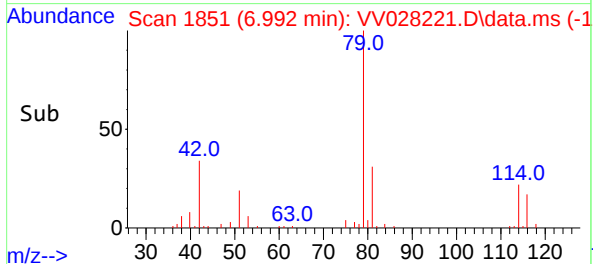
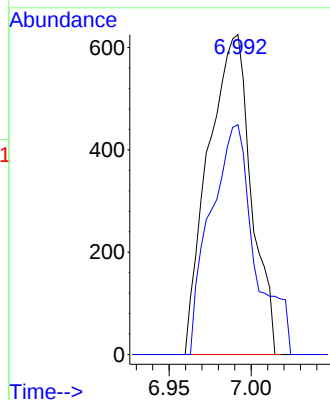
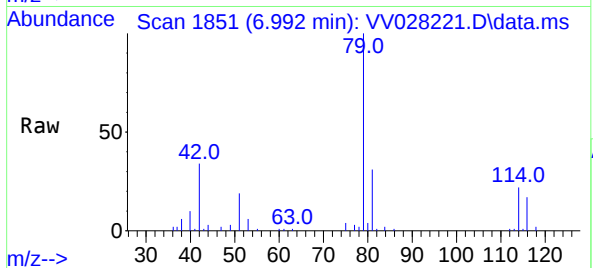
EXFS7

Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

75 100

77 71.8 22.4 41.6#



#47

Tetrachloroethene

Concen: 0.165 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Tgt Ion:164 Resp: 1254

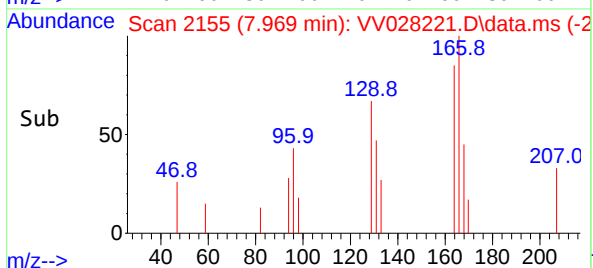
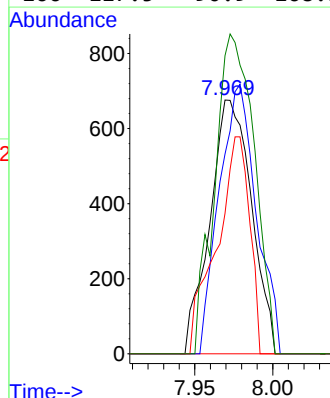
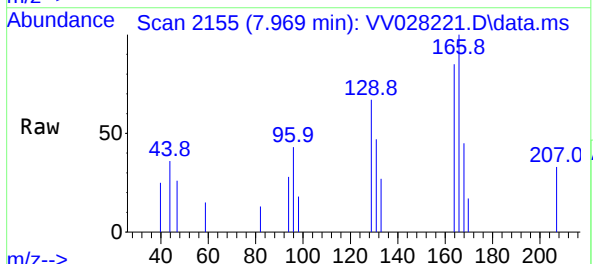
Ion Ratio Lower Upper

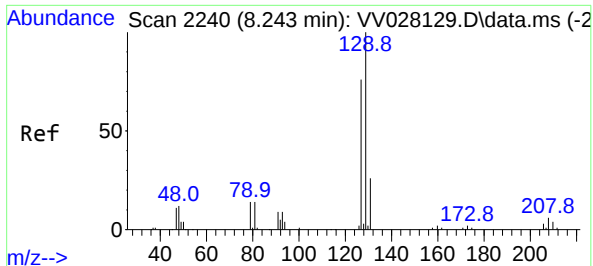
164 100

129 78.7 66.7 123.9

131 55.3 61.7 114.5#

166 117.5 90.9 168.9





#49

Dibromochloromethane

Concen: 0.137 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.260 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

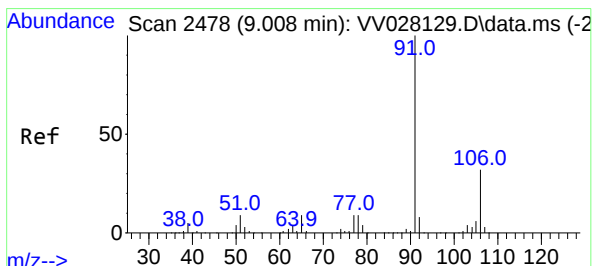
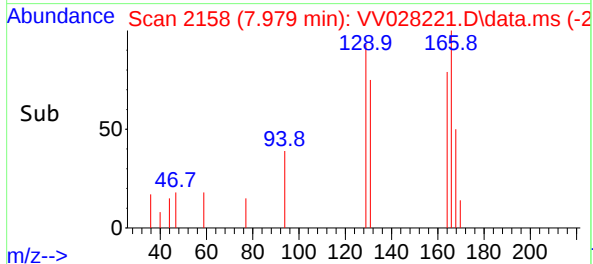
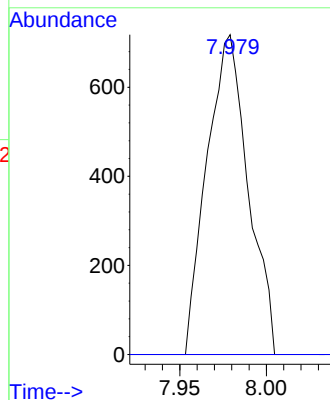
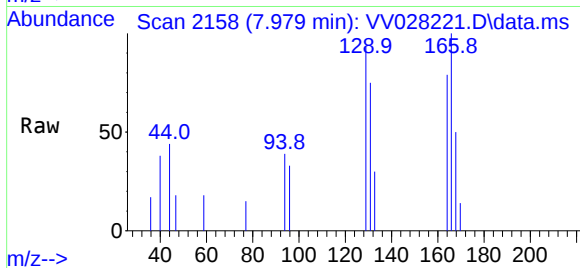
EXFS7

Tgt Ion:129 Resp: 1190

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#52

Ethylbenzene

Concen: 0.045 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.010 min

Lab File: VV028221.D

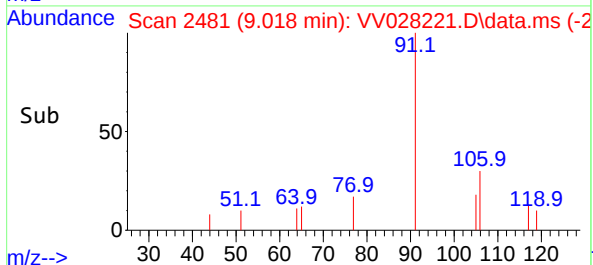
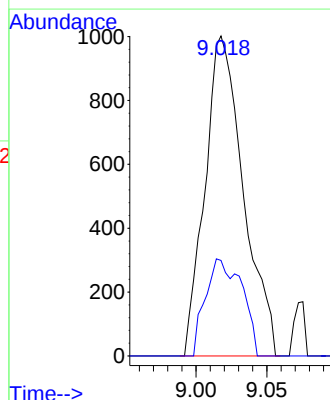
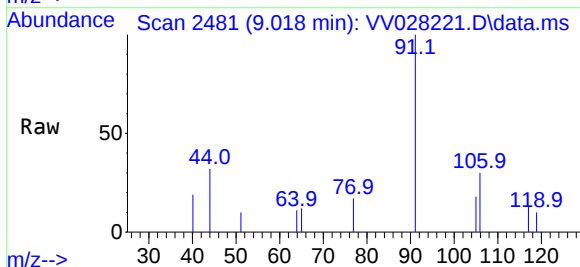
Acq: 30 Sep 2022 12:52

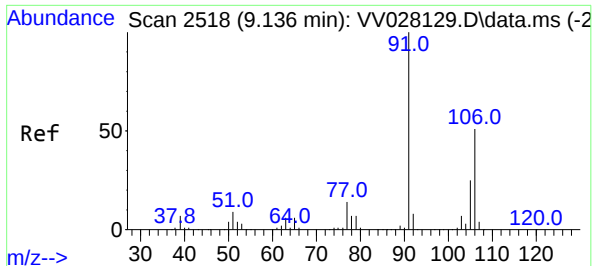
Tgt Ion: 91 Resp: 1887

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9

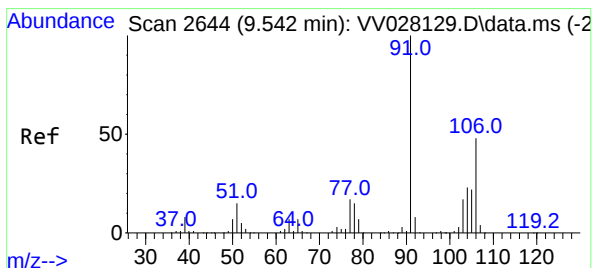
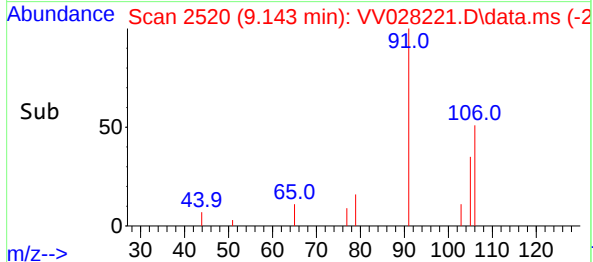
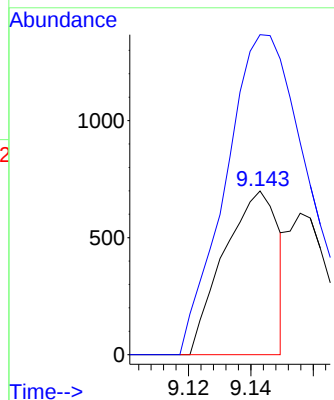
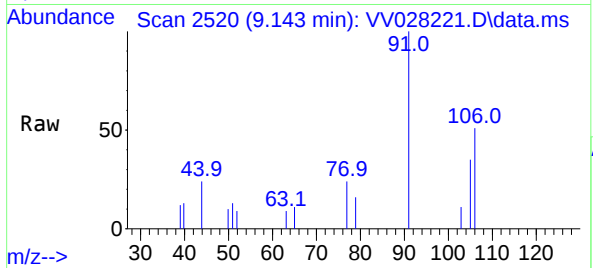




#53
m,p-Xylene
Concen: 0.052 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

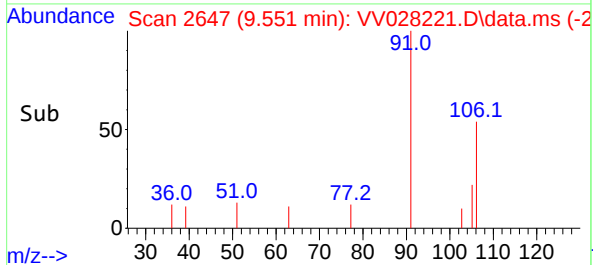
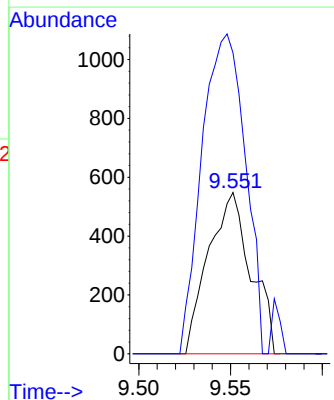
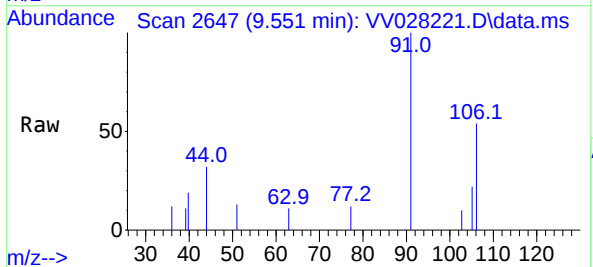
Instrument :
MSVOA_V
ClientSampleId :
EXFS7

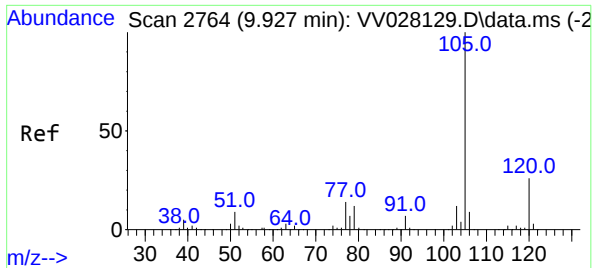
Tgt Ion:106 Resp: 848
Ion Ratio Lower Upper
106 100
91 195.6 141.9 263.5



#54
o-Xylene
Concen: 0.055 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.013 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion:106 Resp: 884
Ion Ratio Lower Upper
106 100
91 186.7 148.1 275.0

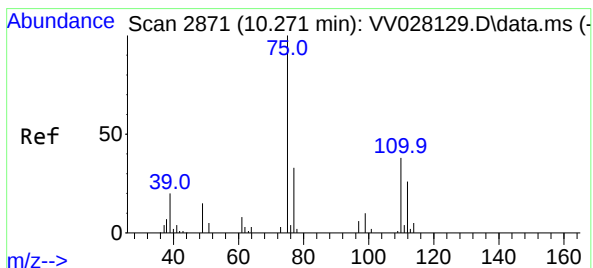
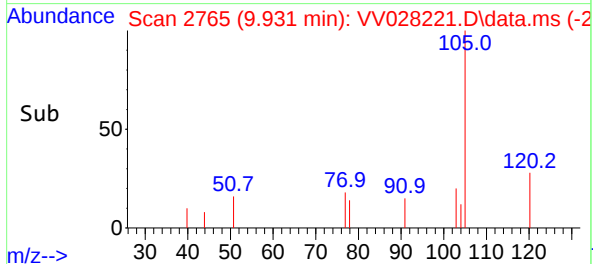
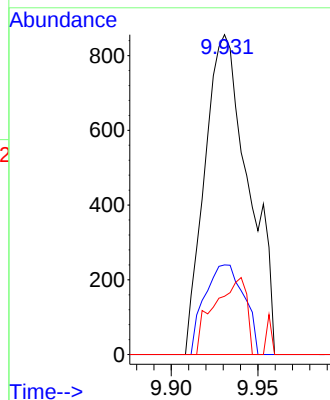
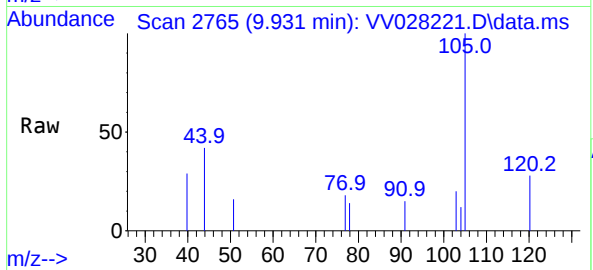




#60
Isopropylbenzene
Concen: 0.040 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

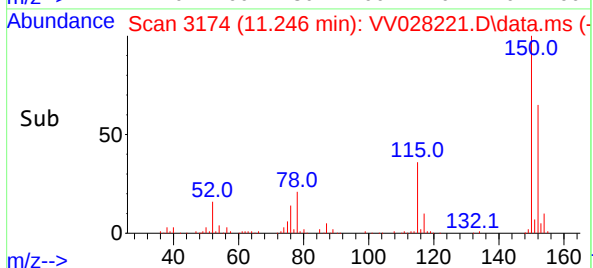
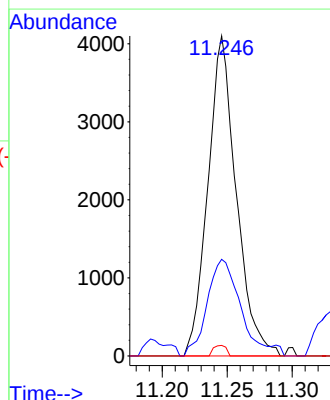
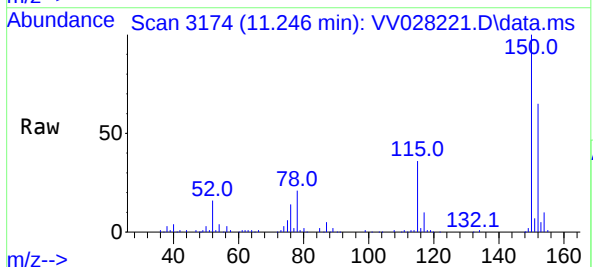
Instrument :
MSVOA_V
ClientSampleId :
EXFS7

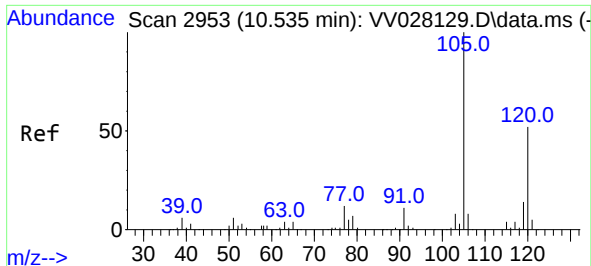
Tgt Ion:	105	Resp:	1502
Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.4	32.0
77	17.8	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 1.153 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.977 min
Lab File: VV028221.D
Acq: 30 Sep 2022 12:52

Tgt Ion:	75	Resp:	6218
Ion	Ratio	Lower	Upper
75	100		
77	34.7	26.7	40.1
110	1.5	30.1	45.1





#62

1,3,5-Trimethylbenzene

Concen: 0.622 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

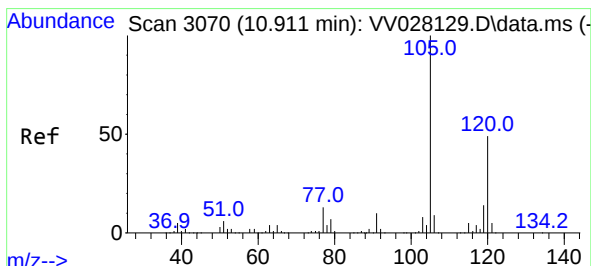
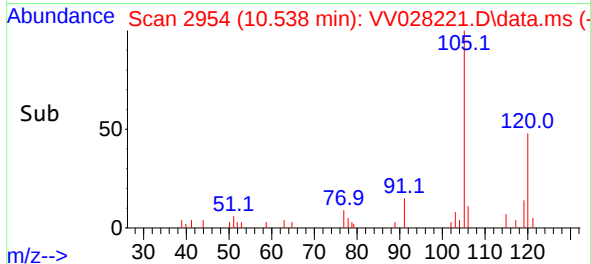
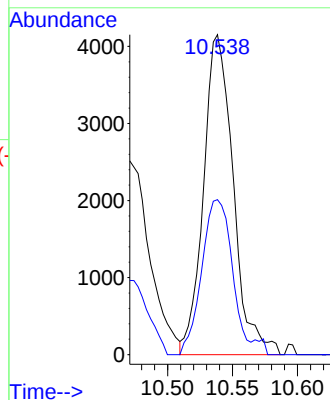
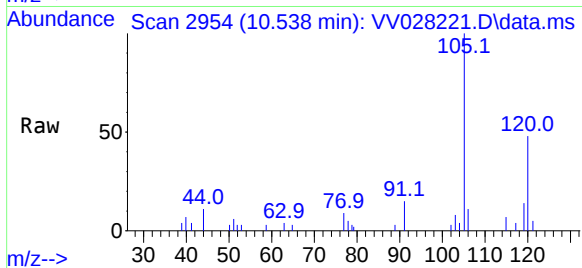
EXFS7

Tgt Ion:105 Resp: 6611

Ion Ratio Lower Upper

105 100

120 49.4 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 0.231 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV028221.D

Acq: 30 Sep 2022 12:52

Tgt Ion:105 Resp: 6873

Ion Ratio Lower Upper

105 100

120 45.2 37.8 56.8

