

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028325.D
 Acq On : 04 Oct 2022 13:27
 Operator : SY/MD
 Sample : N4730-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 23:24:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards					
1) 1,4-Difluorobenzene	5.613	114	124199	5.000 ug/L	0.00
28) Chlorobenzene-d5	8.850	117	130199	5.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	63465	5.000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.301	65	49110	5.262 ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.200%	
7) Chloroethane-d5	1.564	69	47356	5.994 ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 119.800%	
11) 1,1-Dichloroethene-d2	2.101	63	72116	4.100 ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 82.000%	
20) 2-Butanone-d5	3.896	46	131301	83.157 ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 166.320%#	
24) Chloroform-d	4.342	84	106176	6.280 ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 125.600%#	
26) 1,2-Dichloroethane-d4	5.027	65	57865	7.383 ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 147.600%#	
32) Benzene-d6	5.043	84	207801	5.818 ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 116.400%	
36) 1,2-Dichloropropane-d6	6.066	67	67810	6.618 ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 132.400%	
41) Toluene-d8	7.313	98	170277	5.184 ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 103.600%	
43) trans-1,3-Dichloroprop...	7.622	79	23004	5.895 ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 118.000%	
46) 2-Hexanone-d5	8.085	63	117117	73.326 ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 146.660%#	
56) 1,1,2,2-Tetrachloroeth...	10.210	84	57210	7.366 ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 147.400%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	70628	6.466 ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 129.400%#	

Target Compounds				Qvalue	
5) Vinyl chloride	1.307	62	86614	8.125 ug/L	91
8) Chloroethane	1.388	64	270266	38.038 ug/L #	49
12) 1,1-Dichloroethene	2.101	96	1000	0.112 ug/L #	1
14) Carbon disulfide	2.288	76	2493	0.090 ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	2053	0.221 ug/L	92
19) 1,1-Dichloroethane	3.195	63	1287	0.081 ug/L #	76
22) cis-1,2-Dichloroethene	3.905	96	66793	7.148 ug/L	96
25) Chloroform	4.368	83	3027	0.175 ug/L	98
33) Benzene	5.098	78	32977	0.851 ug/L	100
34) Trichloroethene	5.918	95	2291	0.236 ug/L	92
35) Methylcyclohexane	6.127	83	5959	0.376 ug/L	92
37) 1,2-Dichloropropane	6.066	63	6836	0.762 ug/L #	87
44) trans-1,3-Dichloropropene	7.619	75	904	0.083 ug/L	96
47) Tetrachloroethene	7.976	164	1153	0.136 ug/L	84
49) Dibromochloromethane	7.979	129	1027	0.122 ug/L #	11
52) Ethylbenzene	9.021	91	1787	0.042 ug/L	85
53) m,p-Xylene	9.146	106	1541	0.090 ug/L	69
54) o-Xylene	9.551	106	1029	0.064 ug/L #	42
60) Isopropylbenzene	10.741	105	4493	0.116 ug/L	92

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 QLast Update : Tue Oct 04 02:28:45 2022
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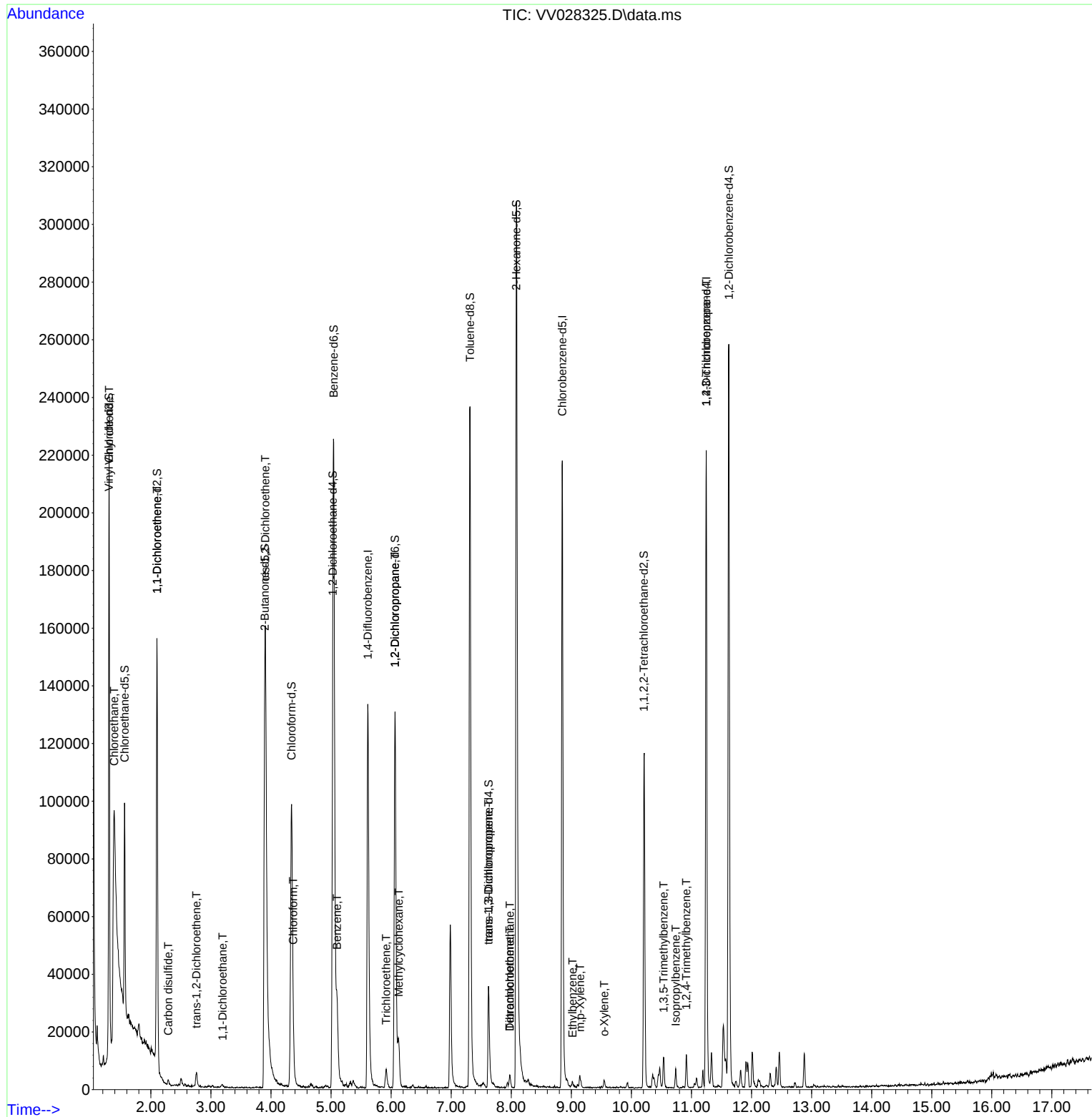
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	6067	1.239	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.535	105	6151	0.557	ug/L	93
63) 1,2,4-Trimethylbenzene	10.915	105	6248	0.200	ug/L	94

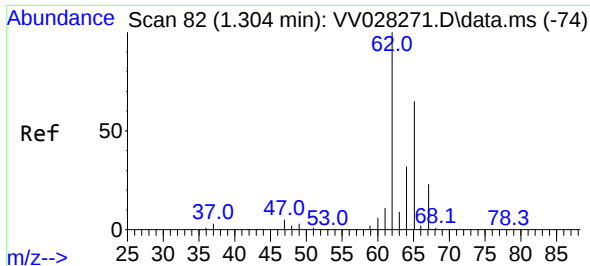
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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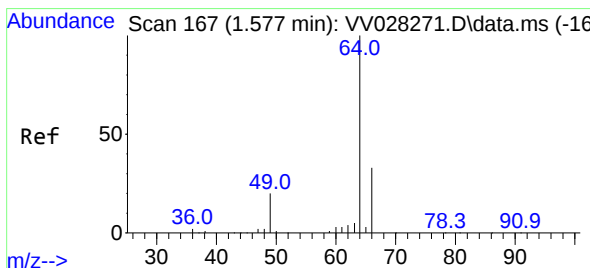
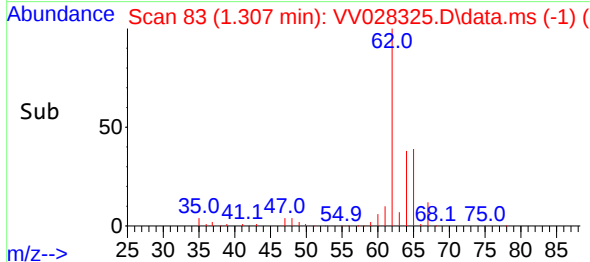
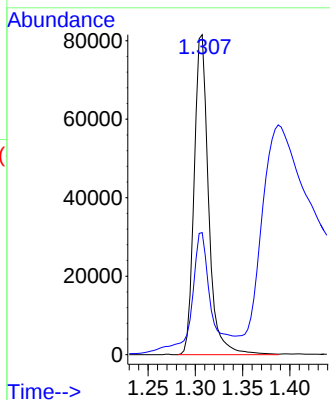
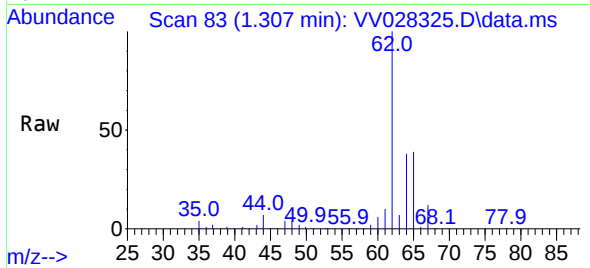




#5
 Vinyl chloride
 Concen: 8.125 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV028325.D
 Acq: 04 Oct 2022 13:27

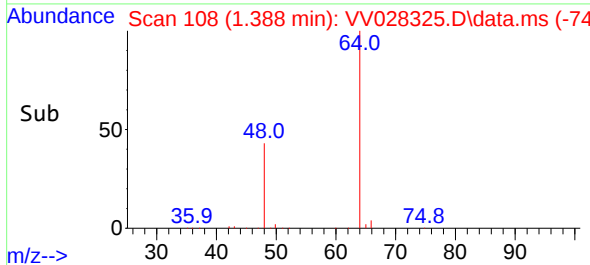
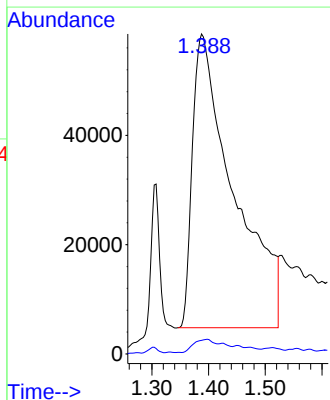
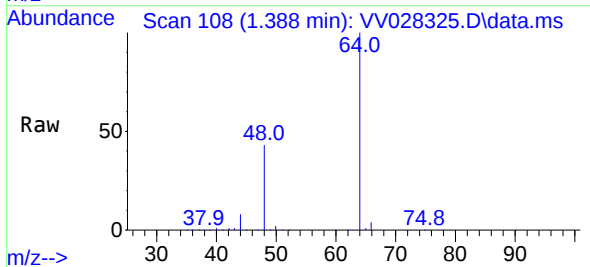
Instrument :
 MSVOA_V
 ClientSampleId :

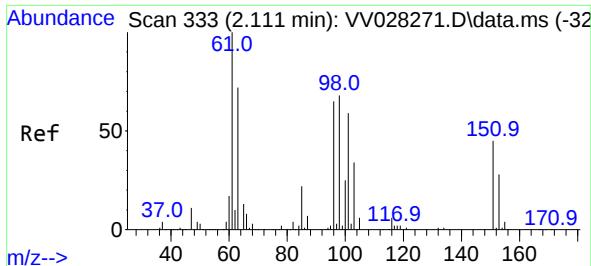
Tgt Ion: 62 Resp: 86614
 Ion Ratio Lower Upper
 62 100
 64 38.1 23.0 42.8



#8
 Chloroethane
 Concen: 38.038 ug/L
 RT: 1.388 min Scan# 108
 Delta R.T. -0.190 min
 Lab File: VV028325.D
 Acq: 04 Oct 2022 13:27

Tgt Ion: 64 Resp: 270266
 Ion Ratio Lower Upper
 64 100
 66 4.3 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.010 min

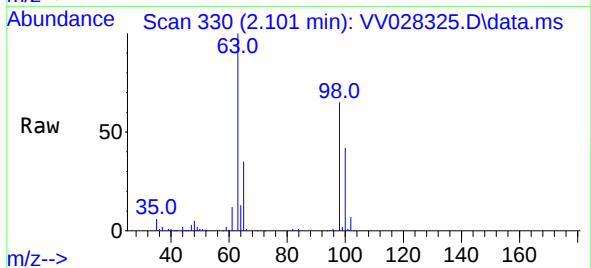
Lab File: VV028325.D

Acq: 04 Oct 2022 13:27

Instrument :

MSVOA_V

ClientSampleId :



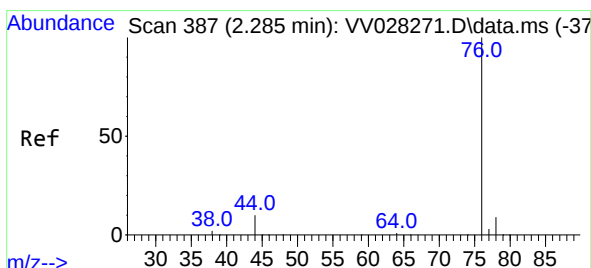
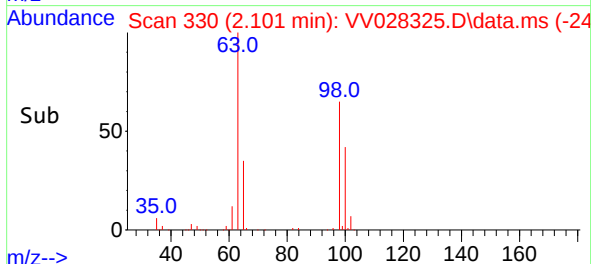
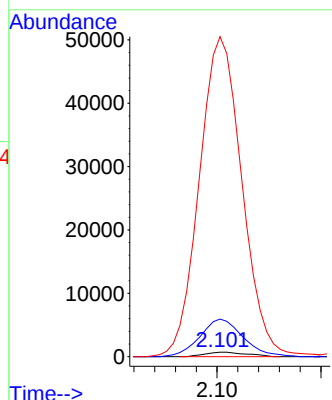
Tgt Ion: 96 Resp: 1000

Ion Ratio Lower Upper

96 100

61 835.0 128.3 238.3#

63 7093.3 112.7 209.3#



#14

Carbon disulfide

Concen: 0.090 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV028325.D

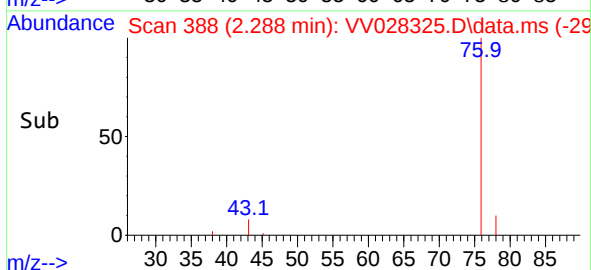
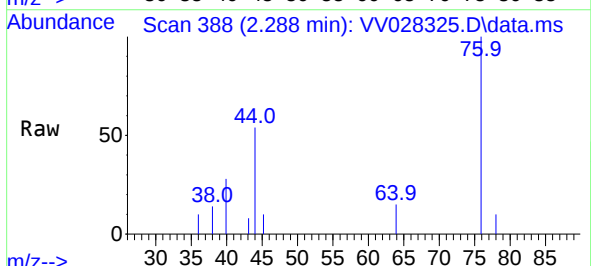
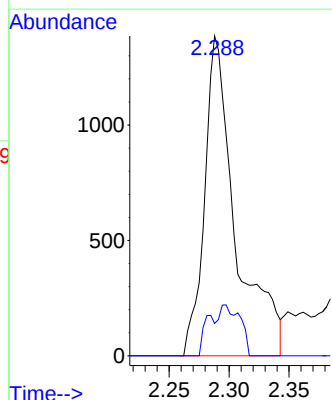
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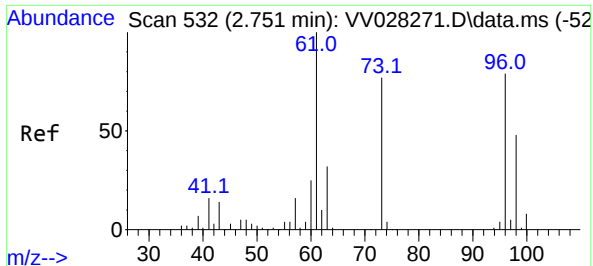
Tgt Ion: 76 Resp: 2493

Ion Ratio Lower Upper

76 100

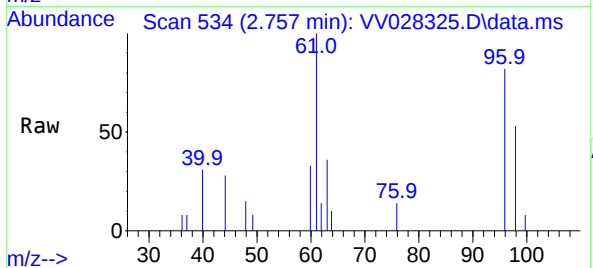
78 10.1 7.6 11.4



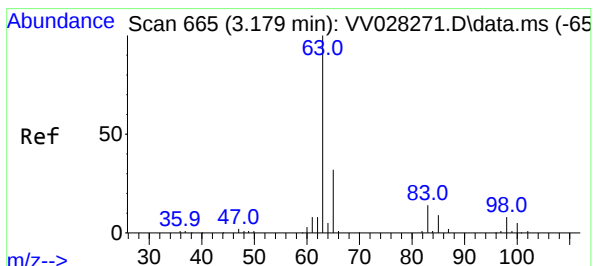
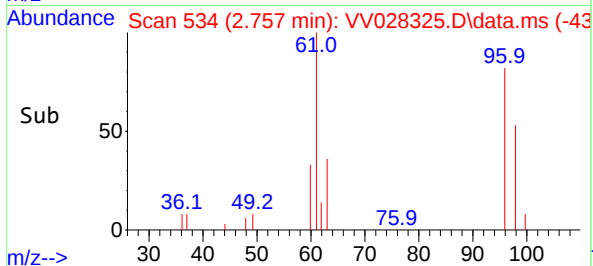
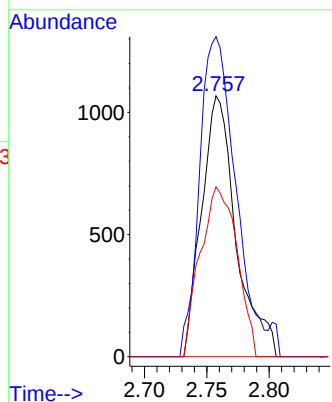


#18
trans-1,2-Dichloroethene
Concen: 0.221 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Instrument :
MSVOA_V
ClientSampleId :

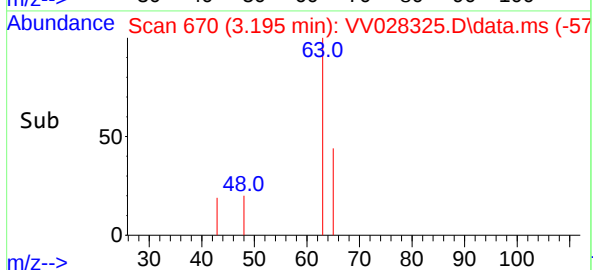
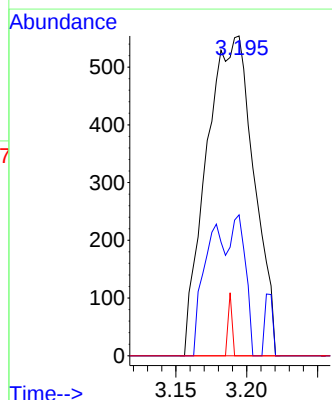
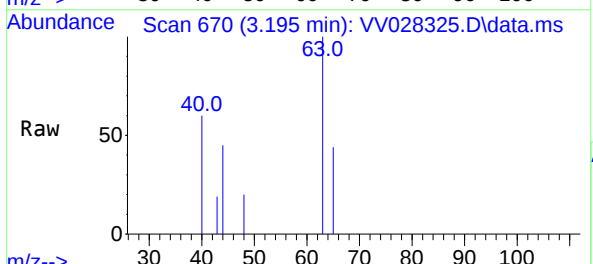


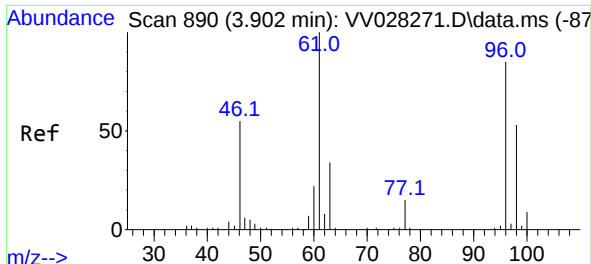
Tgt Ion: 96 Resp: 2053
Ion Ratio Lower Upper
96 100
61 122.7 96.2 178.6
98 65.1 45.7 84.9



#19
1,1-Dichloroethane
Concen: 0.081 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.013 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

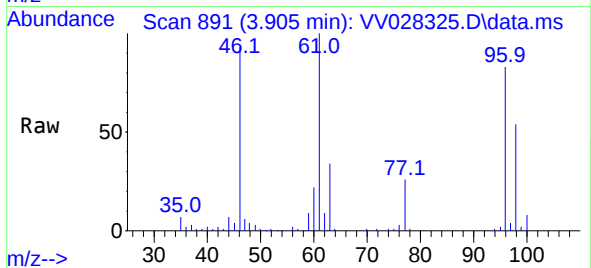
Tgt Ion: 63 Resp: 1287
Ion Ratio Lower Upper
63 100
65 44.0 23.0 42.8#
83 0.0 9.2 17.2#



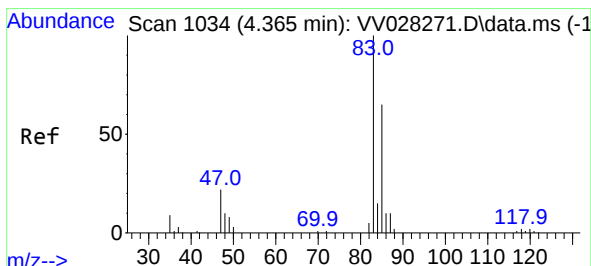
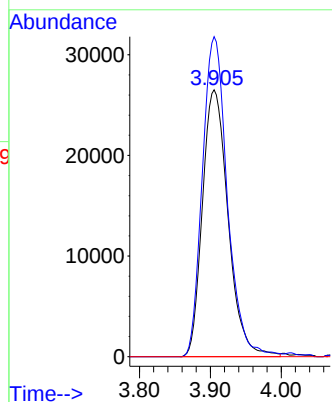
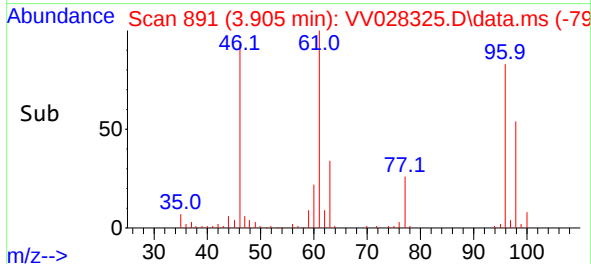


#22
cis-1,2-Dichloroethene
Concen: 7.148 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.000 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Instrument :
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ClientSampleId :

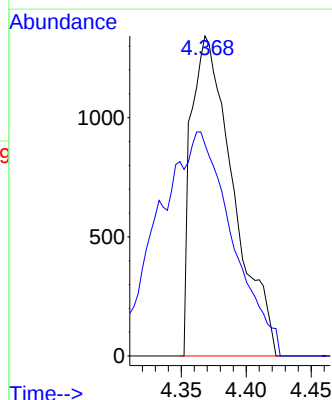
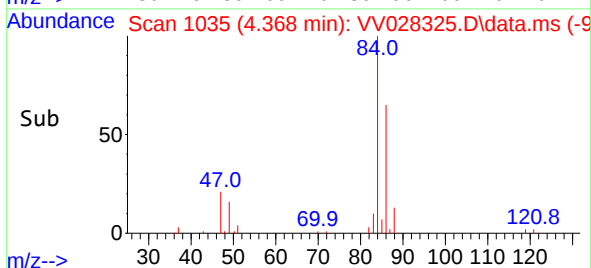
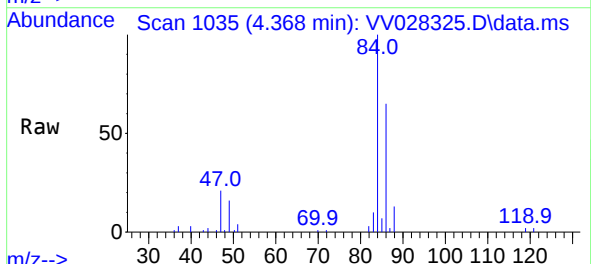


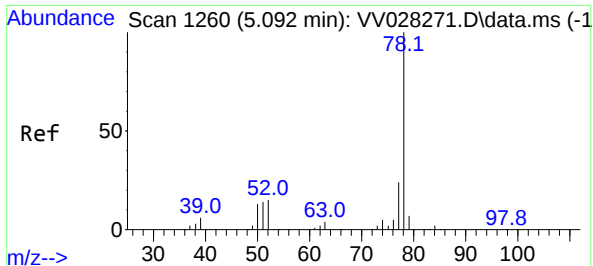
Tgt Ion: 96 Resp: 66793
Ion Ratio Lower Upper
96 100
61 119.9 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.175 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion: 83 Resp: 3027
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.7

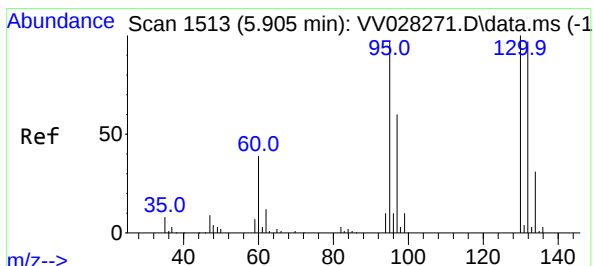
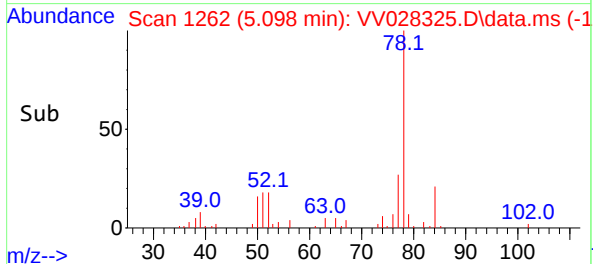
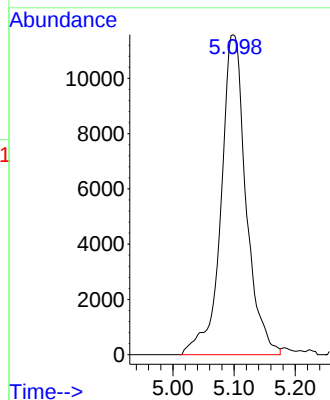
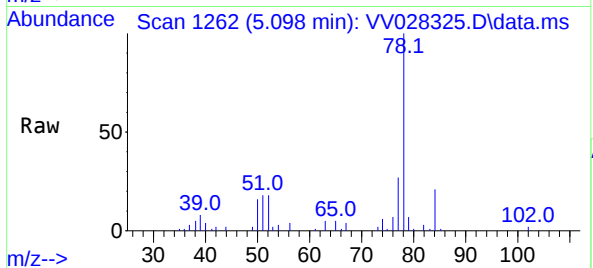




#33
Benzene
Concen: 0.851 ug/L
RT: 5.098 min Scan# 1517
Delta R.T. 0.007 min
Lab File: VV028325.D
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Instrument :
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ClientSampleId :

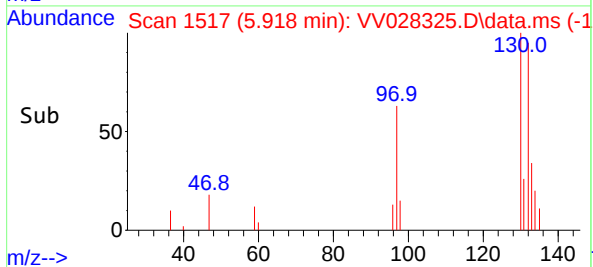
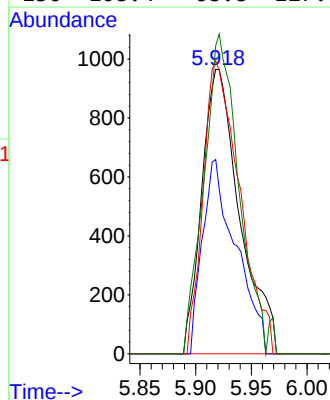
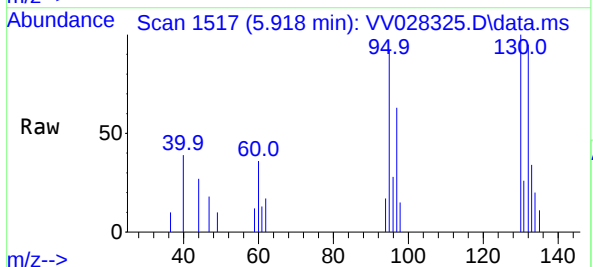
Tgt Ion: 78 Resp: 32977

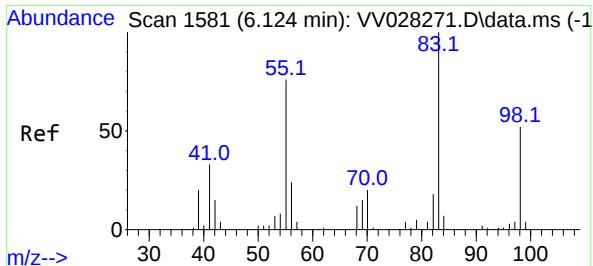


#34
Trichloroethene
Concen: 0.236 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.010 min
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Tgt Ion: 95 Resp: 2291

Ion	Ratio	Lower	Upper
95	100		
97	68.3	44.2	82.0
132	103.0	67.8	126.0
130	108.4	68.8	127.8

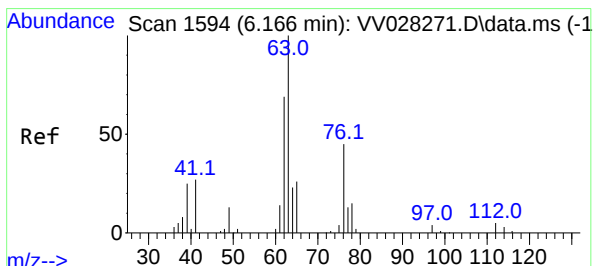
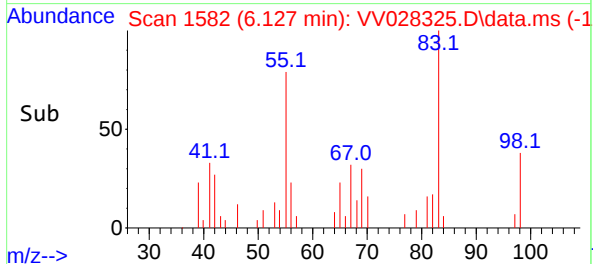
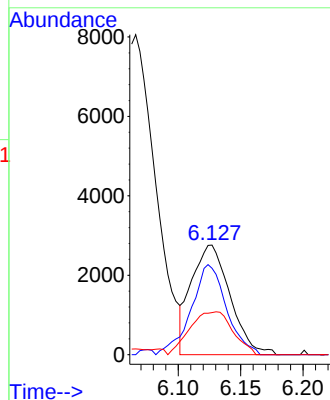
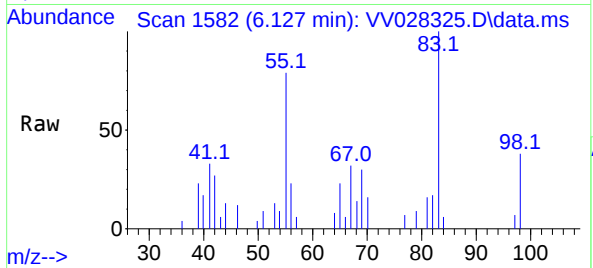




#35
Methylcyclohexane
Concen: 0.376 ug/L
RT: 6.127 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

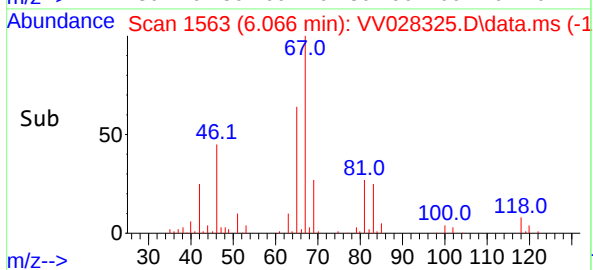
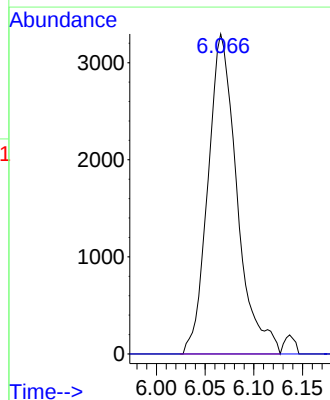
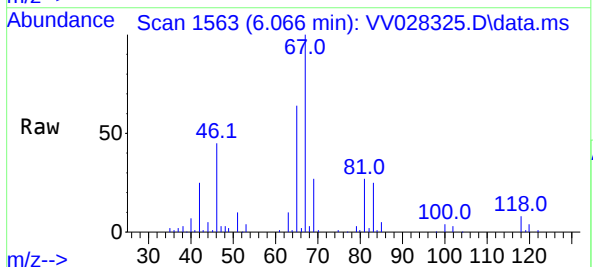
Instrument :
MSVOA_V
ClientSampleId :

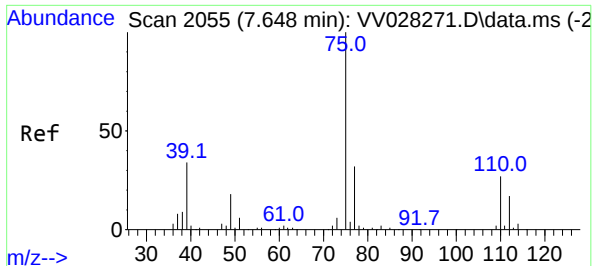
Tgt Ion: 83 Resp: 5959
Ion Ratio Lower Upper
83 100
55 74.8 64.7 97.1
98 43.4 39.5 59.3



#37
1,2-Dichloropropane
Concen: 0.762 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion: 63 Resp: 6836
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

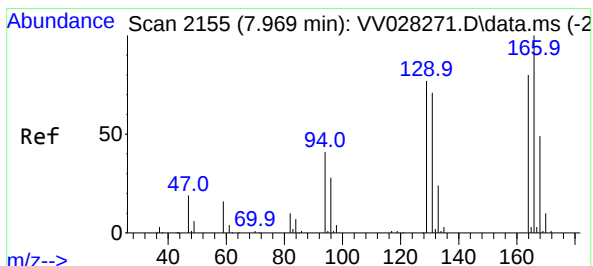
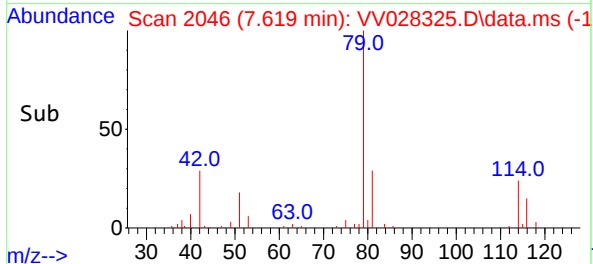
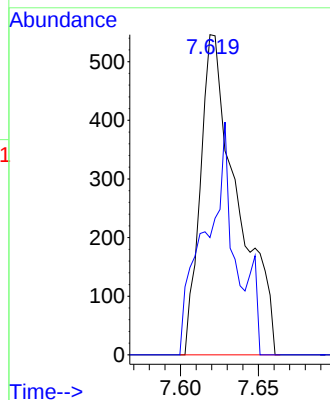
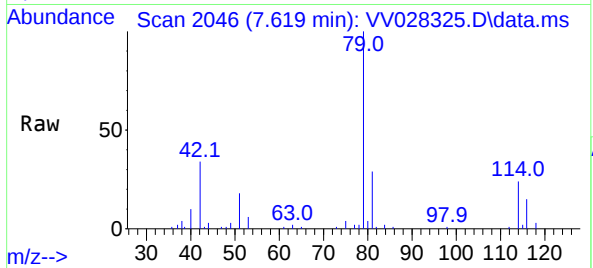




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.619 min Scan# 2055
Delta R.T. -0.029 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

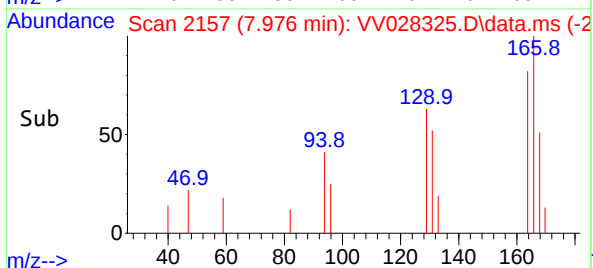
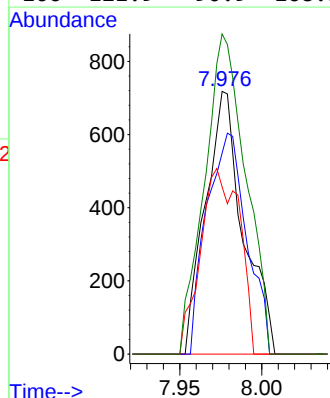
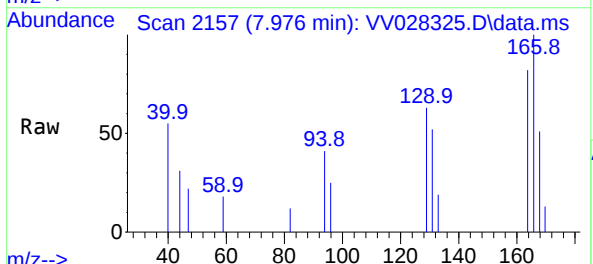
Instrument :
MSVOA_V
ClientSampleId :

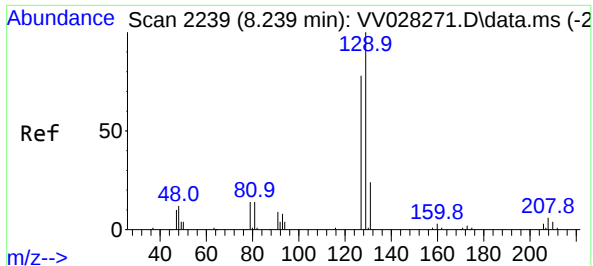
Tgt Ion: 75 Resp: 904
Ion Ratio Lower Upper
75 100
77 36.6 23.9 44.3



#47
Tetrachloroethene
Concen: 0.136 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.007 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion: 164 Resp: 1153
Ion Ratio Lower Upper
164 100
129 76.5 66.7 123.9
131 63.6 61.7 114.5
166 121.9 90.9 168.9





#49

Dibromochloromethane

Concen: 0.122 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV028325.D

Acq: 04 Oct 2022 13:27

Instrument :

MSVOA_V

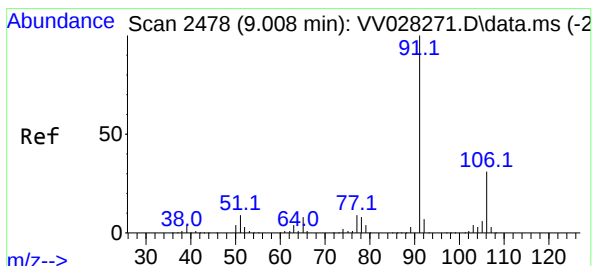
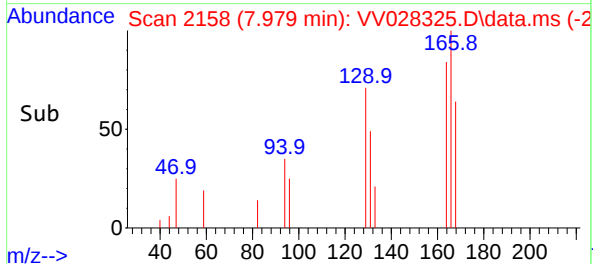
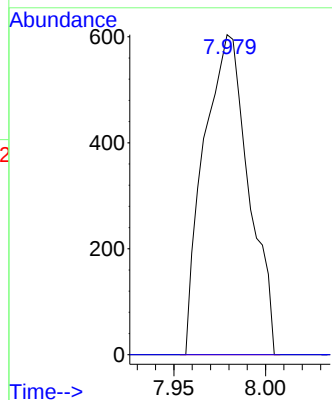
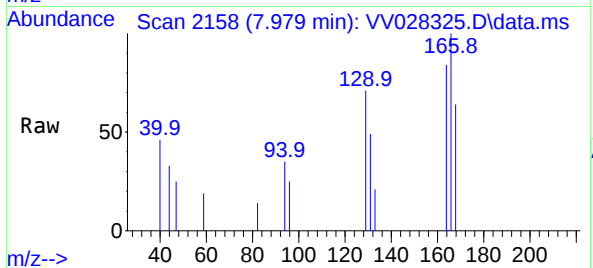
ClientSampleId :

Tgt Ion:129 Resp: 1027

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#52

Ethylbenzene

Concen: 0.042 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.013 min

Lab File: VV028325.D

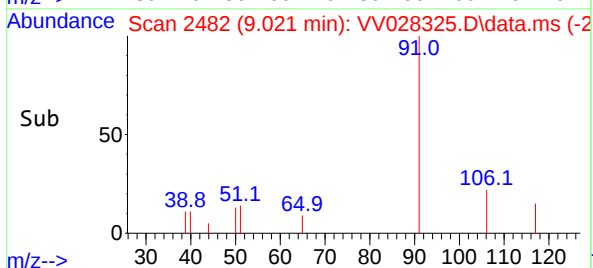
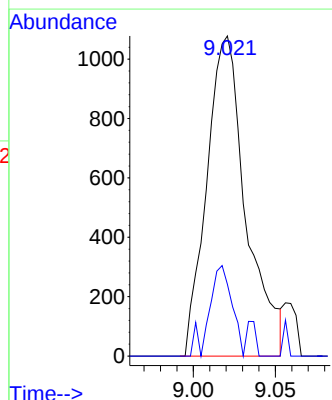
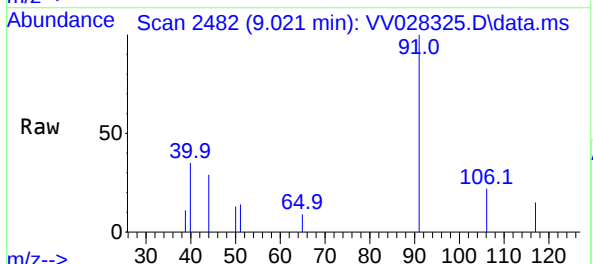
Acq: 04 Oct 2022 13:27

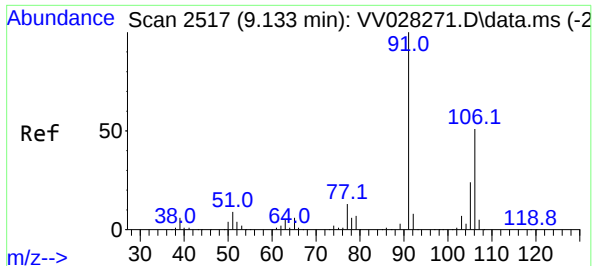
Tgt Ion: 91 Resp: 1787

Ion Ratio Lower Upper

91 100

106 22.4 21.5 39.9

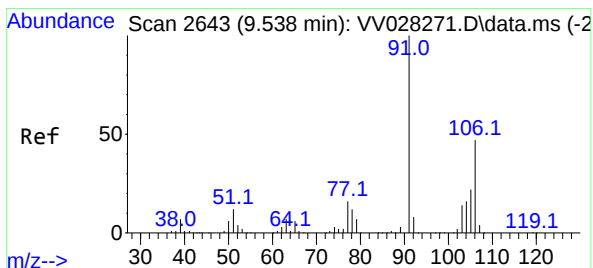
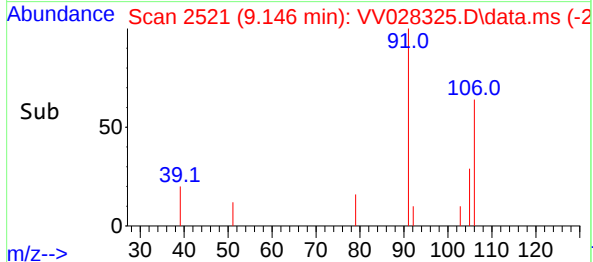
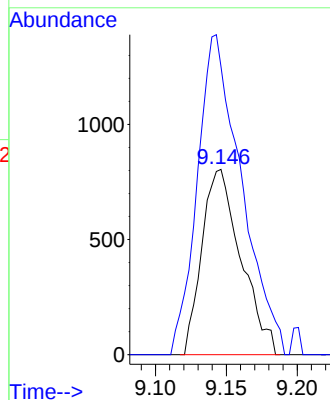
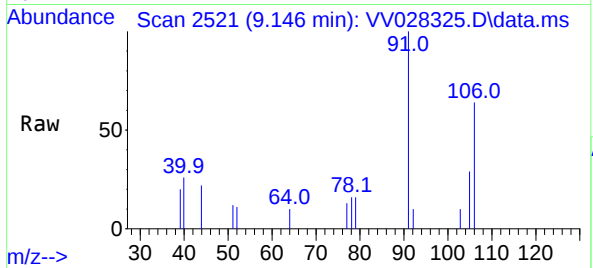




#53
m,p-Xylene
Concen: 0.090 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

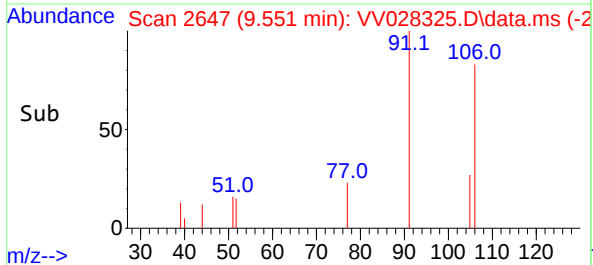
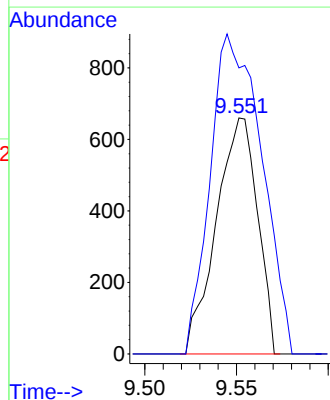
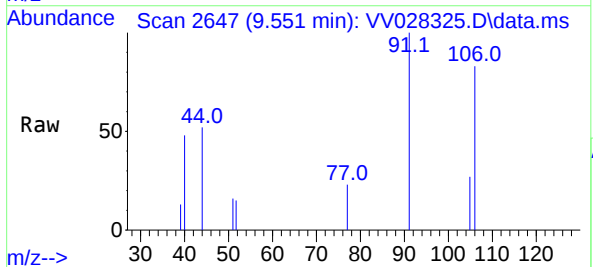
Instrument :
MSVOA_V
ClientSampleId :

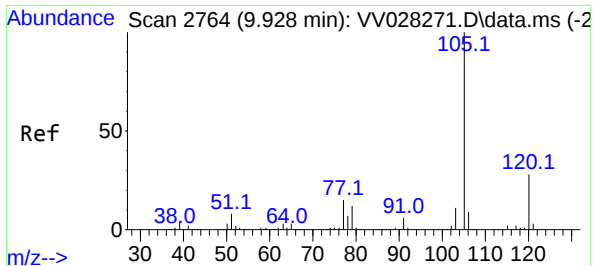
Tgt Ion:106 Resp: 1541
Ion Ratio Lower Upper
106 100
91 155.4 141.9 263.5



#54
o-Xylene
Concen: 0.064 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.010 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion:106 Resp: 1029
Ion Ratio Lower Upper
106 100
91 121.2 148.1 275.0#

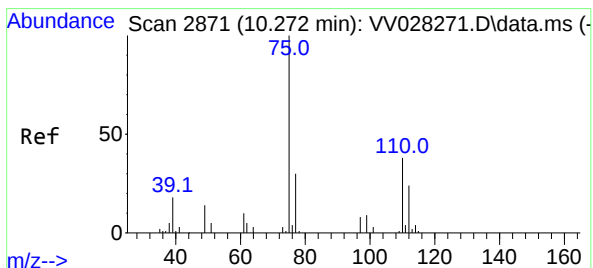
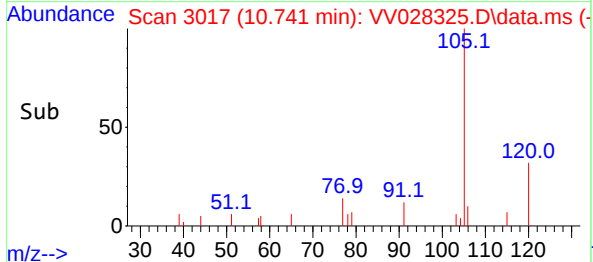
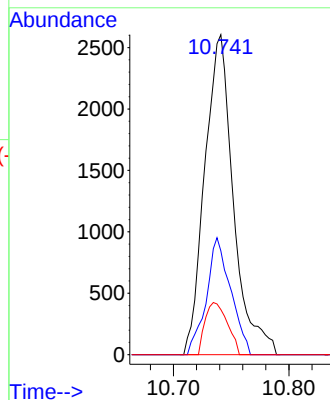
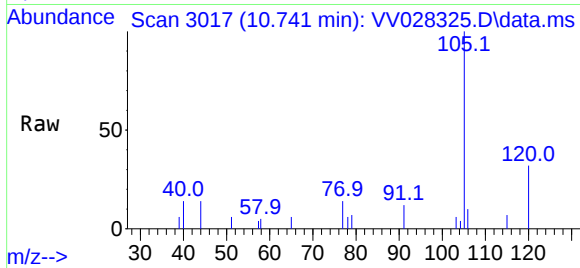




#60
Isopropylbenzene
Concen: 0.116 ug/L
RT: 10.741 min Scan# 30
Delta R.T. 0.814 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

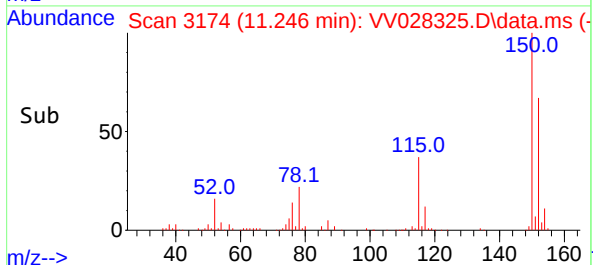
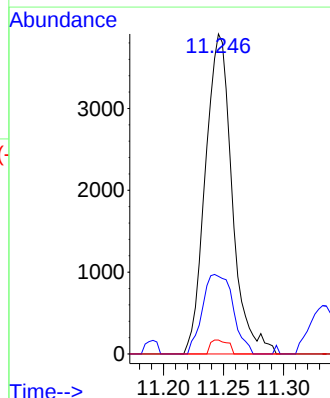
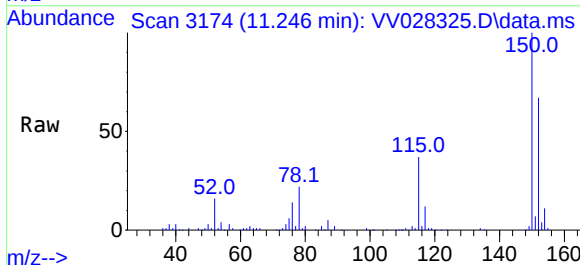
Instrument :
MSVOA_V
ClientSampleId :

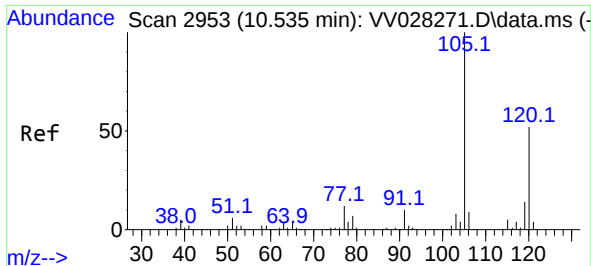
Tgt Ion:	105	Resp:	4493
Ion Ratio	Lower	Upper	
105	100		
120	31.0	21.4	32.0
77	12.6	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 1.239 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.975 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion:	75	Resp:	6067
Ion Ratio	Lower	Upper	
75	100		
77	28.4	26.7	40.1
110	2.9	30.1	45.1#

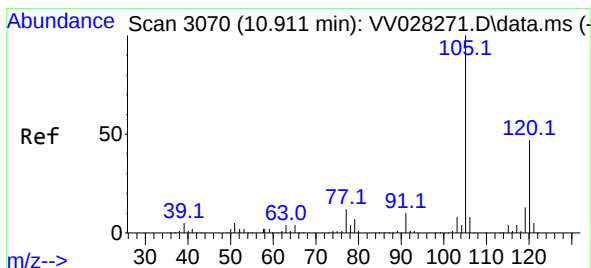
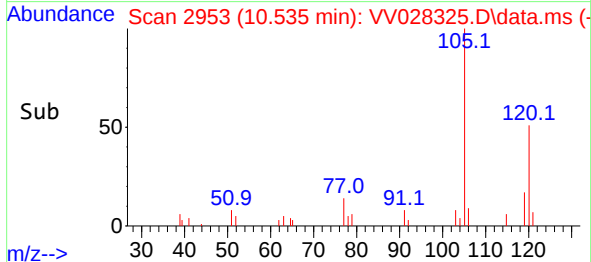
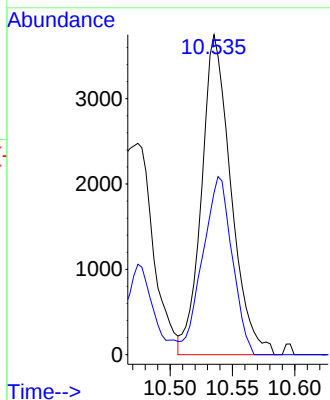
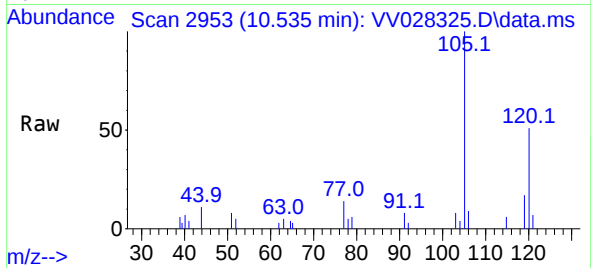




#62
1,3,5-Trimethylbenzene
Concen: 0.557 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. 0.000 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 6151
Ion Ratio Lower Upper
105 100
120 55.9 40.6 61.0



#63
1,2,4-Trimethylbenzene
Concen: 0.200 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV028325.D
Acq: 04 Oct 2022 13:27

Tgt Ion:105 Resp: 6248
Ion Ratio Lower Upper
105 100
120 43.0 37.8 56.8

