

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102221\
 Data File : VW022968.D
 Acq On : 21 Oct 2021 20:49
 Operator : SY/MD
 Sample : M4137-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

Quant Time: Oct 22 04:57:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 22 04:55:17 2021
 Response via : Initial Calibration

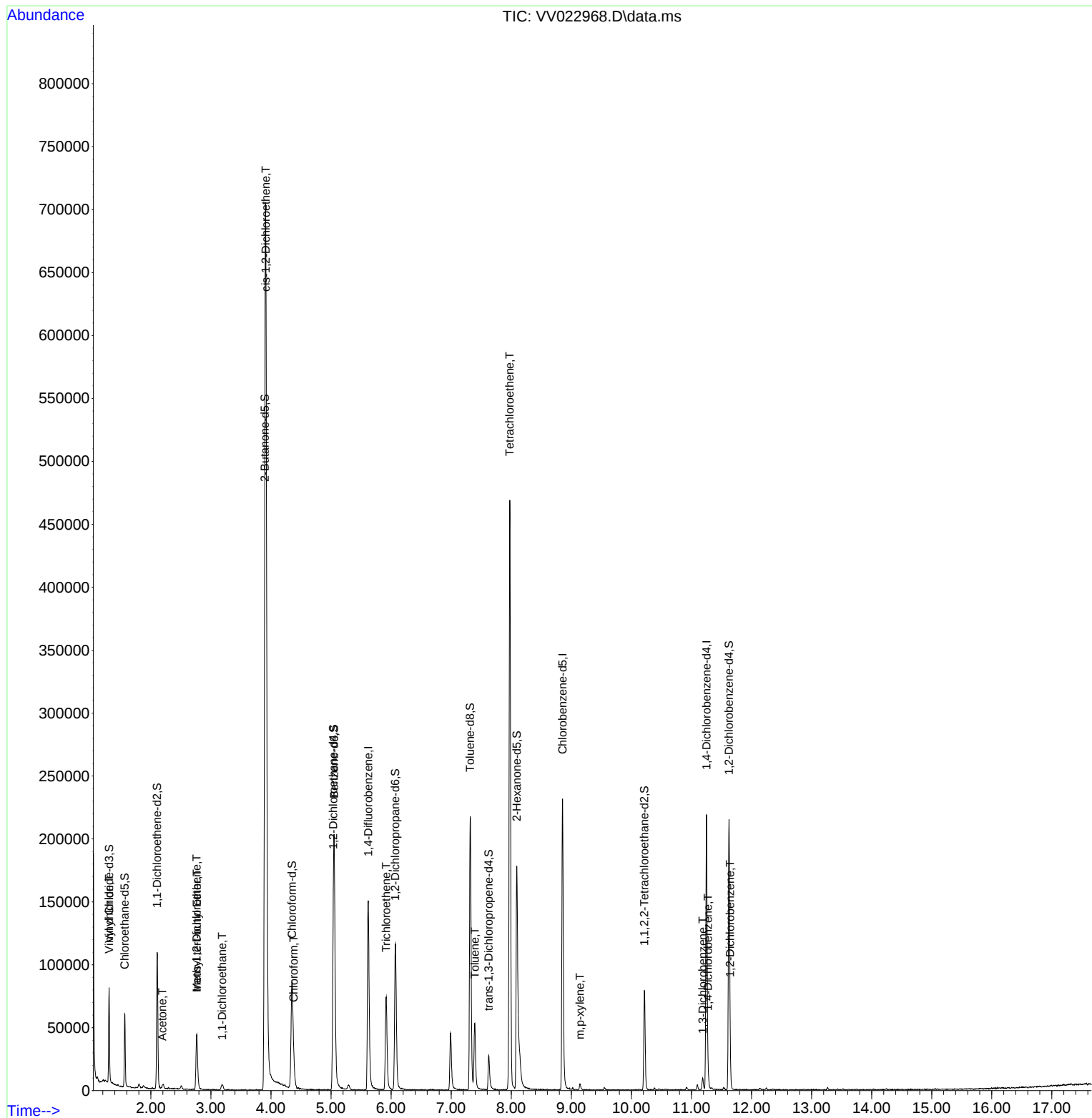
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	134157	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	135434	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	41077	4.450	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.565	69	35217	4.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.105	63	56269	3.108	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	3.896	46	63302	26.156	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	52.320%
24) Chloroform-d	4.349	84	86295	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.037	65	42752	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.053	84	185823	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	58171	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.317	98	149038	4.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	7.625	79	16552	4.179	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.092	63	74213	46.494	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.980%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39589	4.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56552	5.273	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
5) Vinyl chloride	1.307	62	5651	0.557	ug/L #	77
13) Acetone	2.192	43	3238	2.399	ug/L	88
17) Methyl tert-butyl Ether	2.767	73	13729	0.700	ug/L	95
18) trans-1,2-Dichloroethene	2.761	96	12476	1.416	ug/L	90
19) 1,1-Dichloroethane	3.188	63	2926	0.184	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	396192	42.815	ug/L	97
25) Chloroform	4.378	83	11695	0.636	ug/L	99
34) Trichloroethene	5.918	95	26527	2.674	ug/L	97
42) Toluene	7.394	91	39459	1.066	ug/L	100
47) Tetrachloroethene	7.976	164	107697	13.425	ug/L	99
53) m,p-xylene	9.143	106	1362	0.092	ug/L	91
64) 1,3-Dichlorobenzene	11.188	146	3972	0.258	ug/L	93
65) 1,4-Dichlorobenzene	11.275	146	4086	0.261	ug/L	96
67) 1,2-Dichlorobenzene	11.645	146	4083	0.282	ug/L #	88

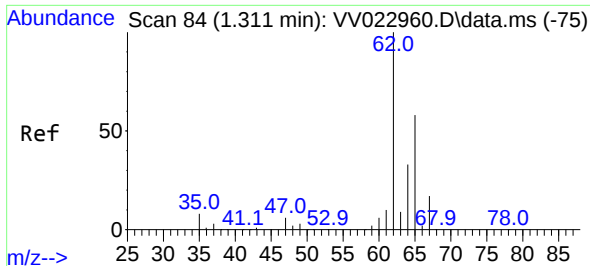
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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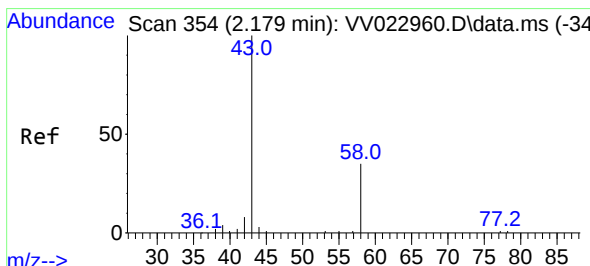
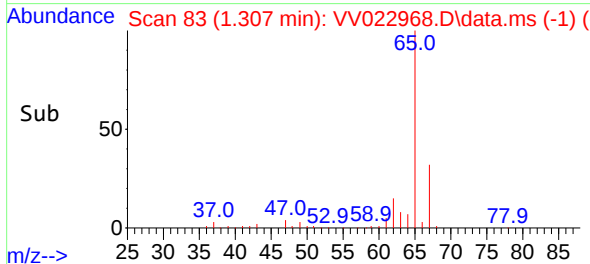
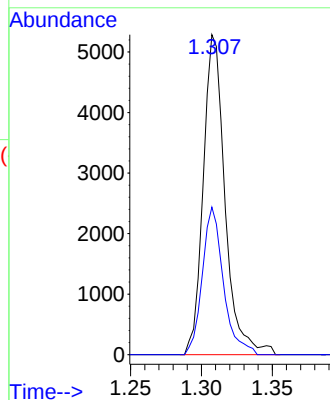
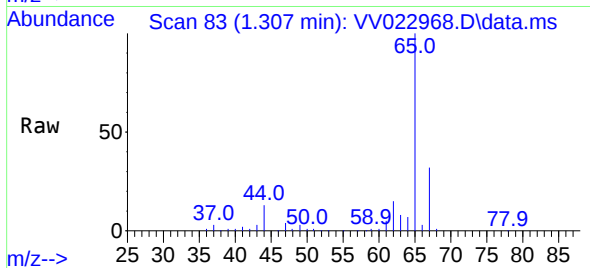




#5
 Vinyl chloride
 Concen: 0.557 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV022968.D
 Acq: 21 Oct 2021 20:49

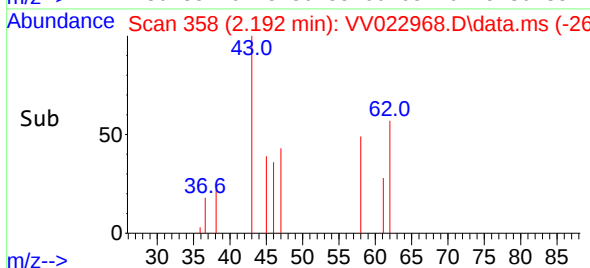
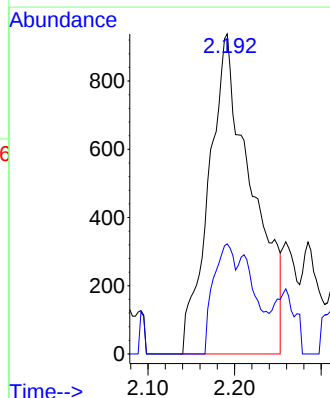
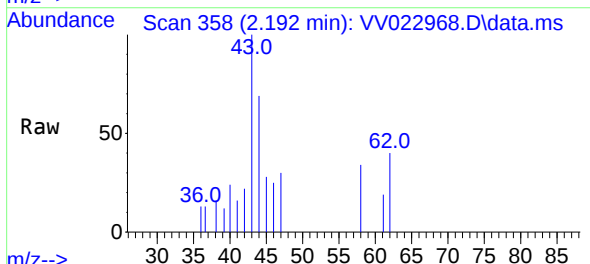
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

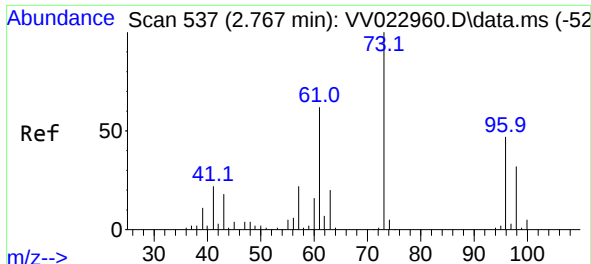
Tgt Ion: 62 Resp: 5651
 Ion Ratio Lower Upper
 62 100
 64 46.1 23.0 42.8#



#13
 Acetone
 Concen: 2.399 ug/L
 RT: 2.192 min Scan# 358
 Delta R.T. 0.013 min
 Lab File: VV022968.D
 Acq: 21 Oct 2021 20:49

Tgt Ion: 43 Resp: 3238
 Ion Ratio Lower Upper
 43 100
 58 16.9 0.0 24.2

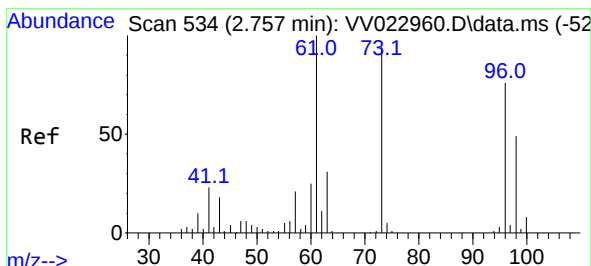
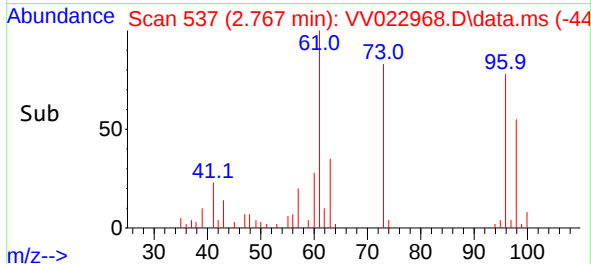
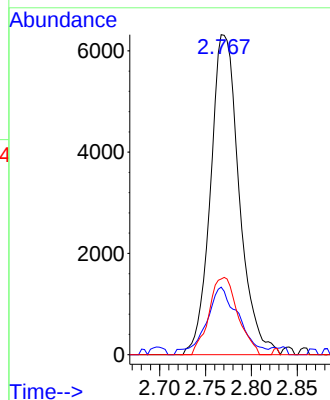
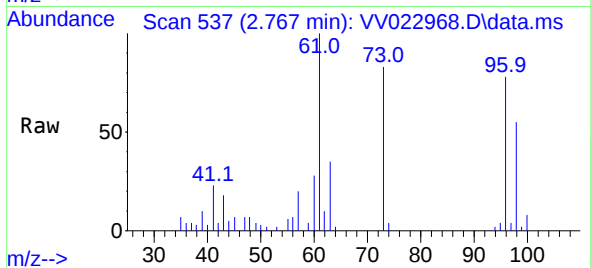




#17
Methyl tert-butyl Ether
Concen: 0.700 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

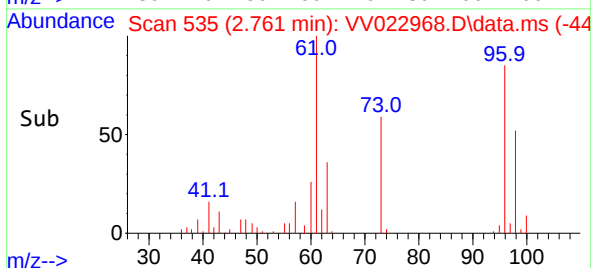
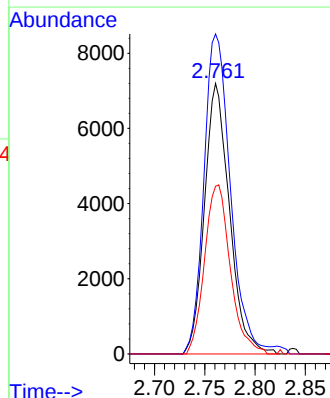
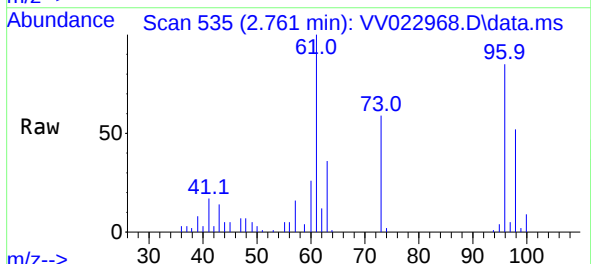
Instrument :
MSVOA_V
ClientSampleId :
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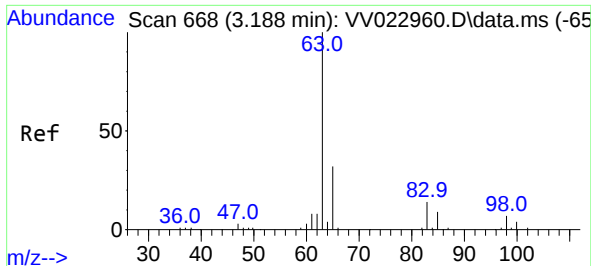
Tgt Ion: 73 Resp: 13729
Ion Ratio Lower Upper
73 100
43 23.8 17.1 25.7
57 24.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 1.416 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 96 Resp: 12476
Ion Ratio Lower Upper
96 100
61 118.3 94.5 175.5
98 61.9 44.2 82.0

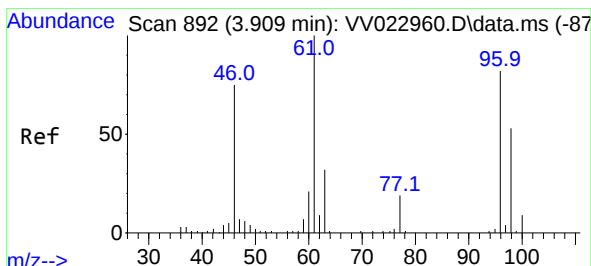
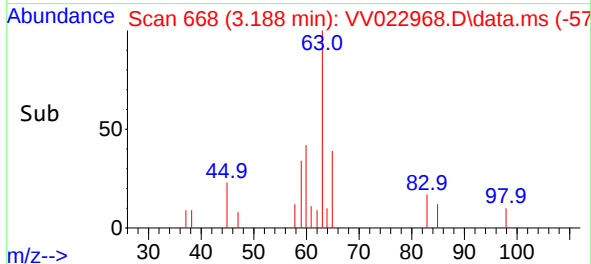
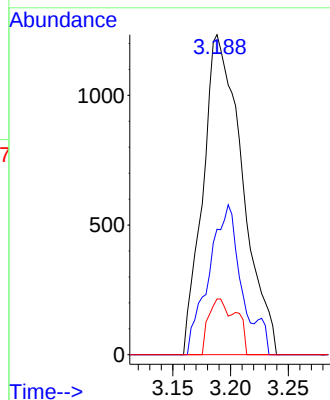
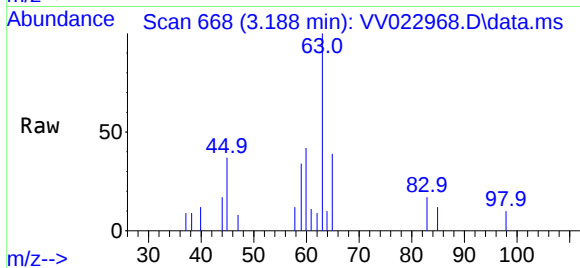




#19
1,1-Dichloroethane
Concen: 0.184 ug/L
RT: 3.188 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

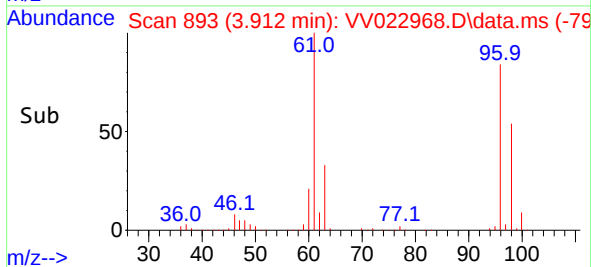
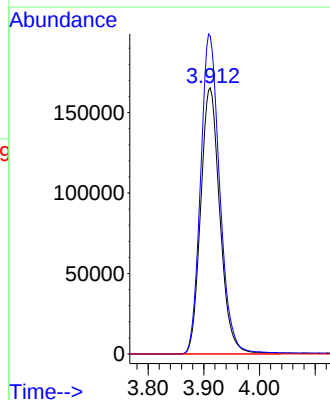
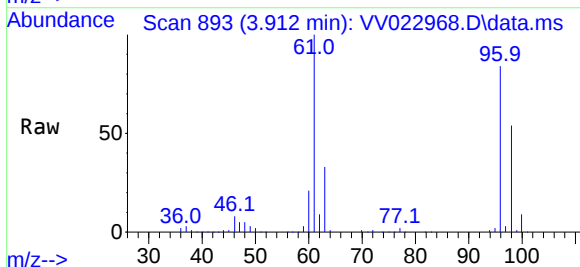
Instrument :
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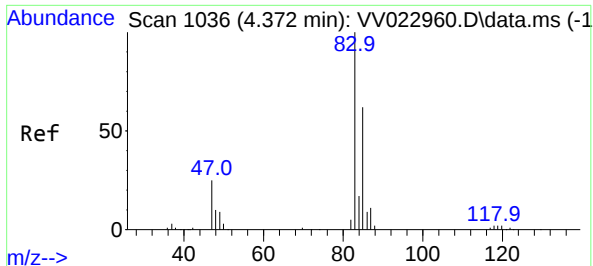
Tgt Ion:	63	Resp:	2926
Ion	Ratio	Lower	Upper
63	100		
65	39.2	23.5	43.7
83	17.4	10.1	18.7



#22
cis-1,2-Dichloroethene
Concen: 42.815 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion:	96	Resp:	396192
Ion	Ratio	Lower	Upper
96	100		
61	119.4	86.0	159.6
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.636 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

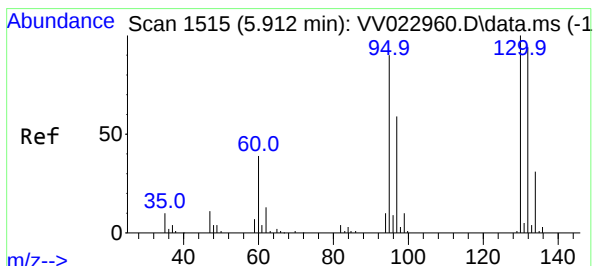
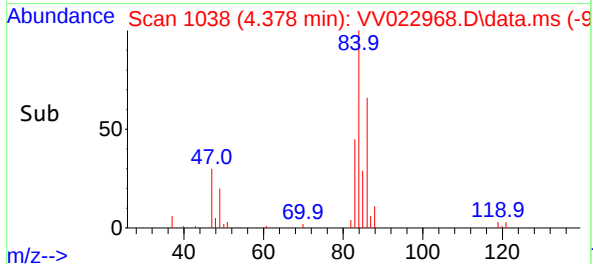
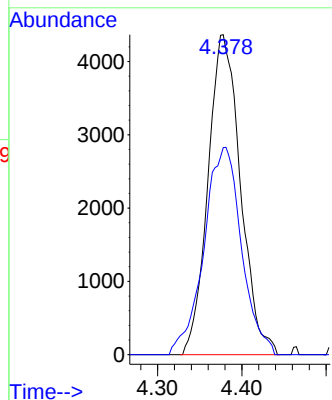
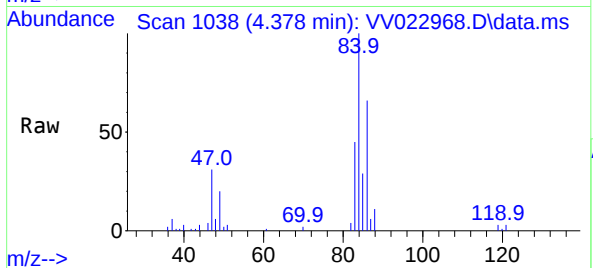
BFGA9

Tgt Ion: 83 Resp: 11695

Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9



#34

Trichloroethene

Concen: 2.674 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Tgt Ion: 95 Resp: 26527

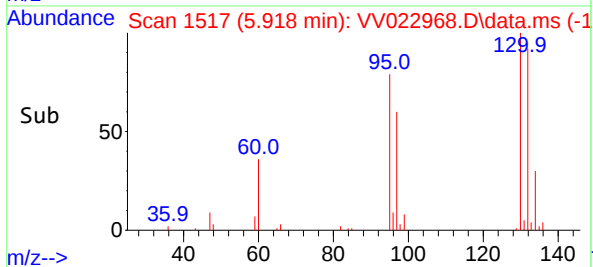
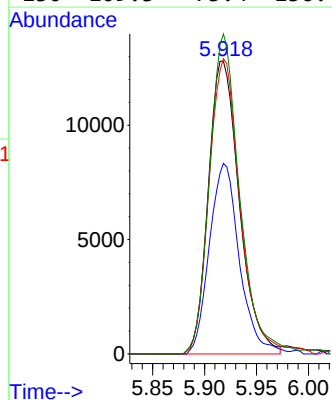
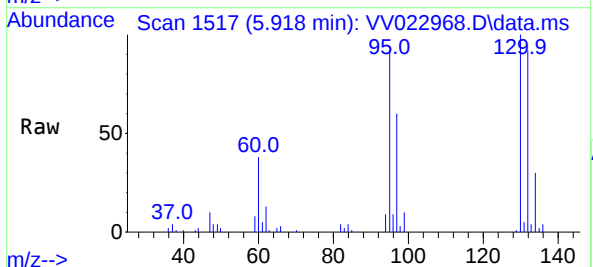
Ion Ratio Lower Upper

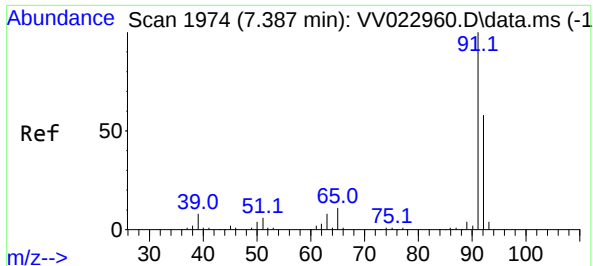
95 100

97 65.1 45.8 85.2

132 100.8 72.2 134.0

130 109.3 73.4 136.4





#42

Toluene

Concen: 1.066 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

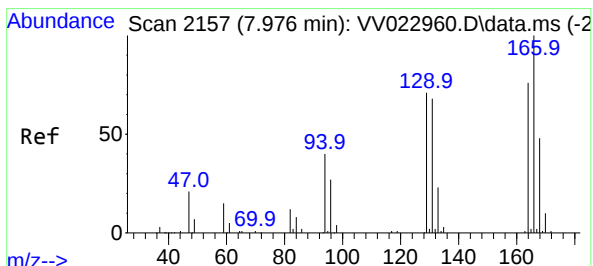
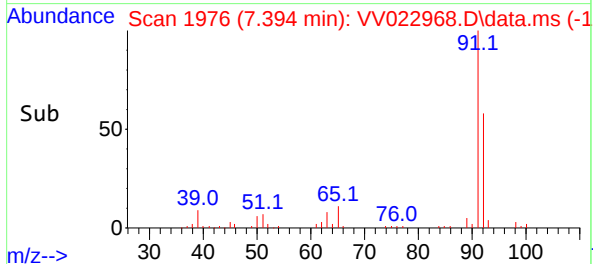
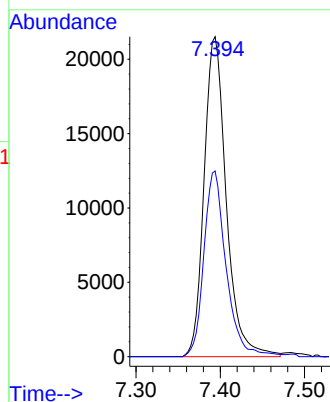
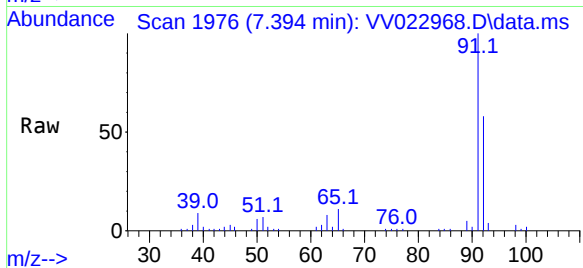
BFGA9

Tgt Ion: 91 Resp: 39459

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#47

Tetrachloroethene

Concen: 13.425 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Tgt Ion: 164 Resp: 107697

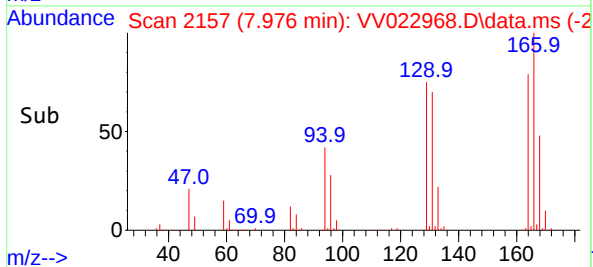
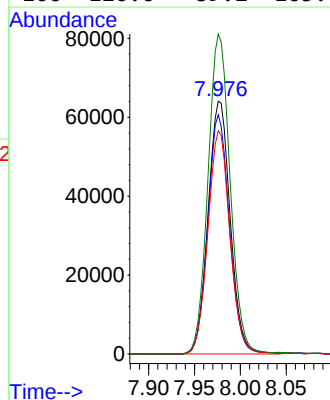
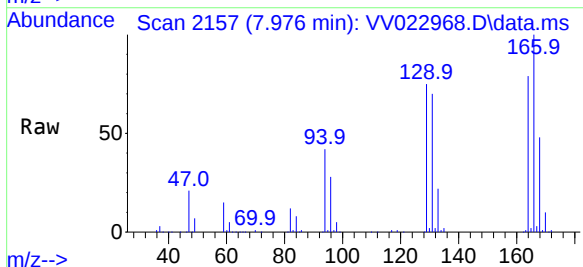
Ion Ratio Lower Upper

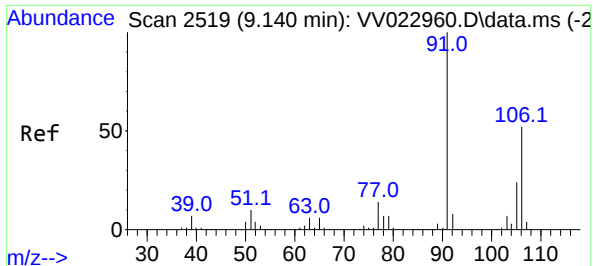
164 100

129 94.6 65.0 120.6

131 88.3 62.2 115.4

166 126.6 89.2 165.8





#53

m,p-xylene

Concen: 0.092 ug/L

RT: 9.143 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

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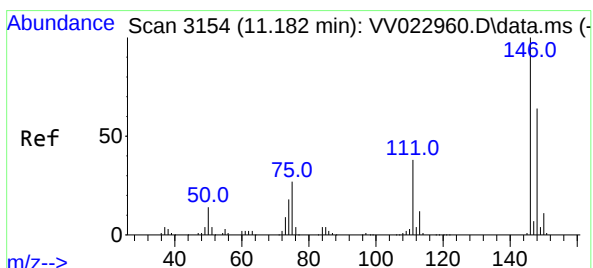
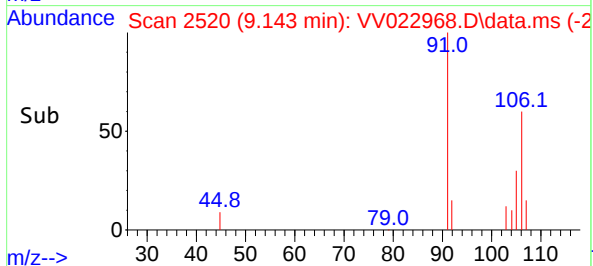
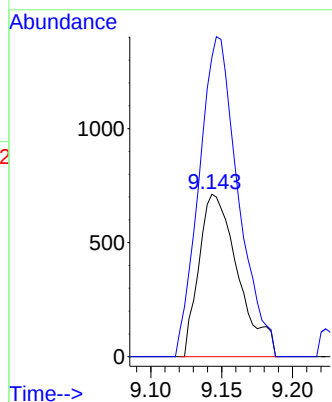
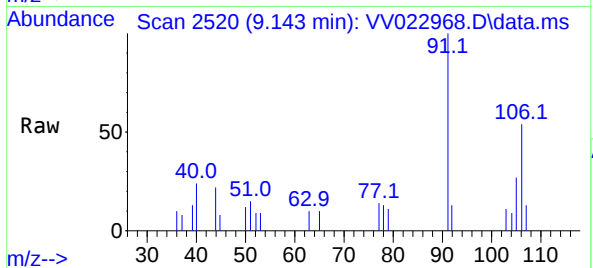
BFGA9

Tgt Ion:106 Resp: 1362

Ion Ratio Lower Upper

106 100

91 184.3 138.7 257.5



#64

1,3-Dichlorobenzene

Concen: 0.258 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.006 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

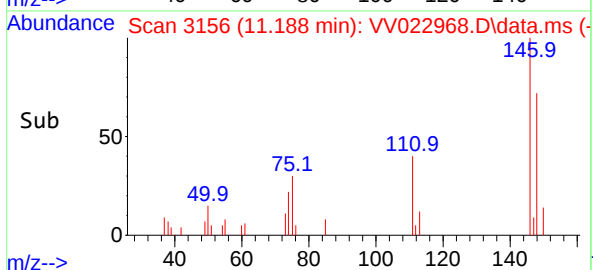
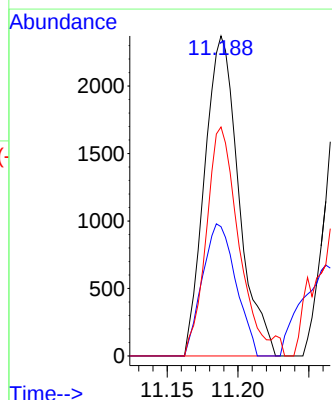
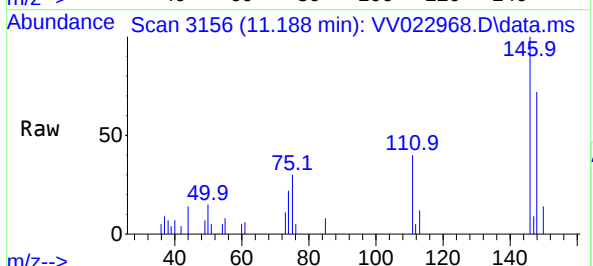
Tgt Ion:146 Resp: 3972

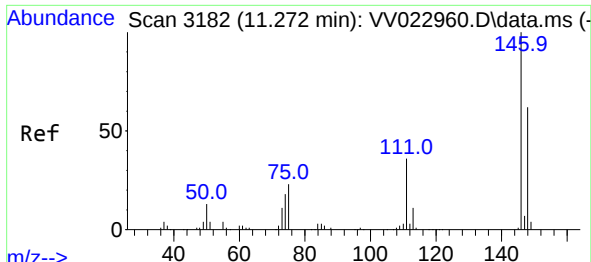
Ion Ratio Lower Upper

146 100

111 40.4 26.7 49.5

148 71.6 45.1 83.9

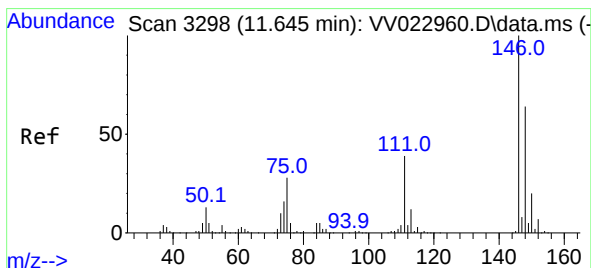
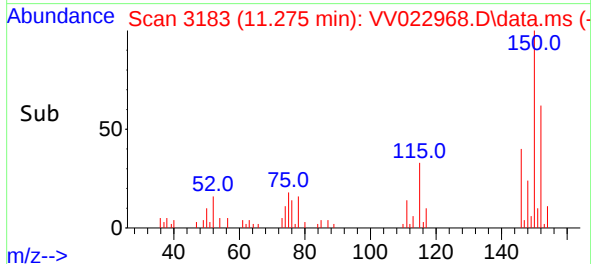
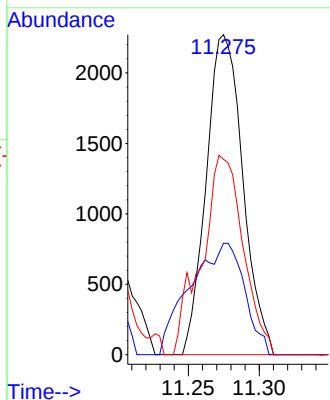
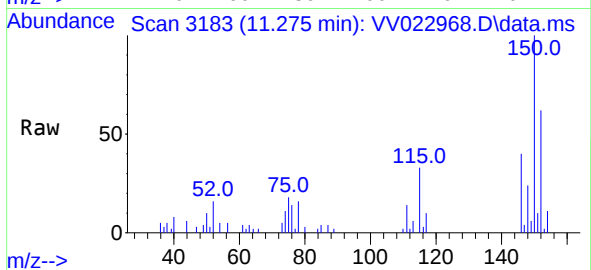




#65
1,4-Dichlorobenzene
Concen: 0.261 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Instrument :
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Tgt Ion:	146	Resp:	4086
Ion	Ratio	Lower	Upper
146	100		
111	34.8	25.6	47.4
148	61.1	44.9	83.5



#67
1,2-Dichlorobenzene
Concen: 0.282 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion:	146	Resp:	4083
Ion	Ratio	Lower	Upper
146	100		
111	53.3	32.3	48.5#
148	70.4	52.1	78.1

