

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022893.D
 Acq On : 19 Oct 2021 02:17
 Operator : SY/MD
 Sample : M4137-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

Quant Time: Oct 19 04:09:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

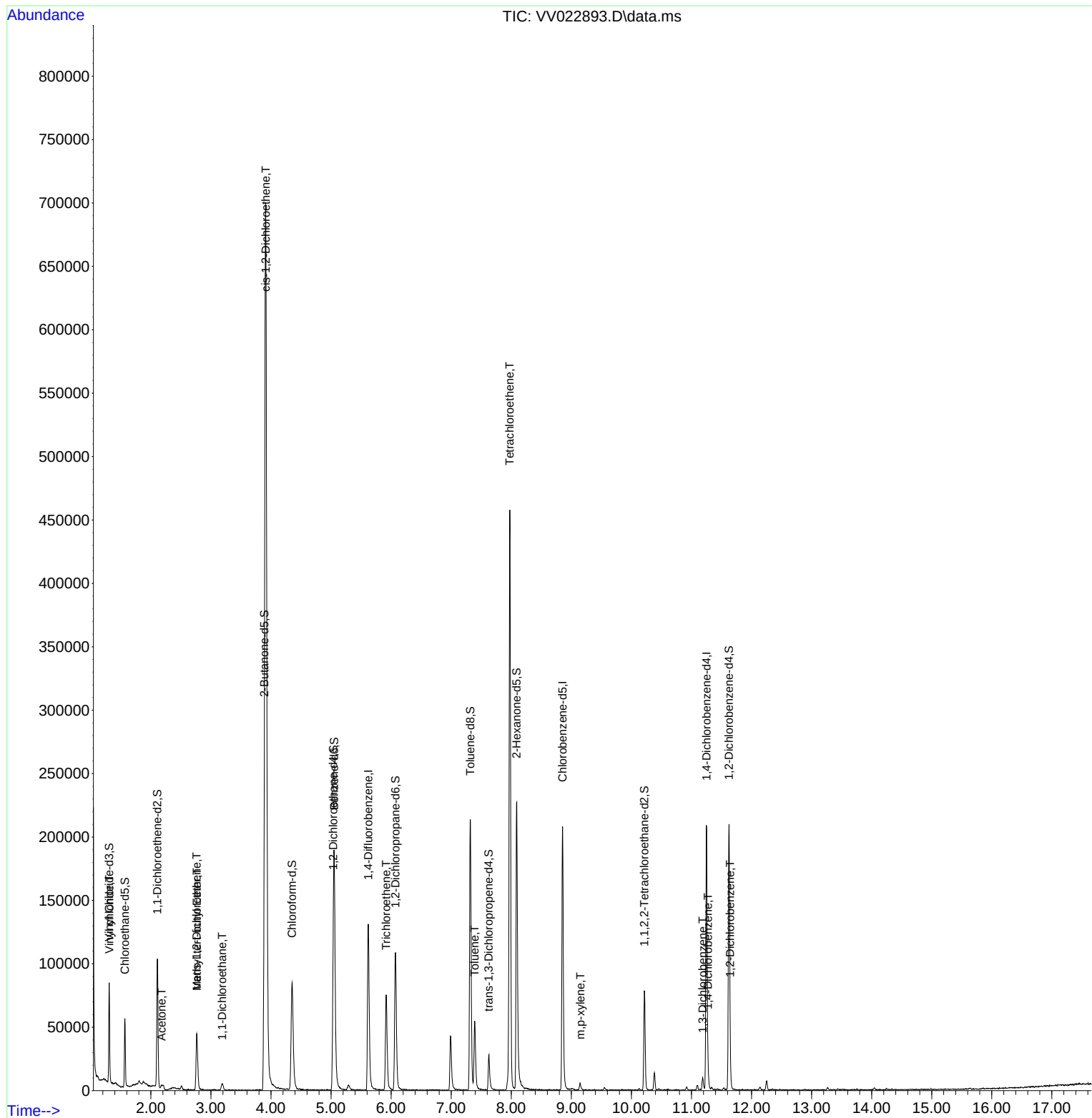
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	116050	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120446	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55214	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43373	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.568	69	32202	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.108	63	51537	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.889	46	98210	46.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.82%
24) Chloroform-d	4.352	84	89430	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.037	65	40918	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.053	84	174427	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.072	67	54003	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.320	98	146078	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloroprop...	7.625	79	15862	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.088	63	76918	54.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.36%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38080	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	11.625	152	56163	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%
Target Compounds						
5) Vinyl chloride	1.311	62	5962	0.68	ug/L	85
13) Acetone	2.179	43	4863	4.17	ug/L #	52
17) Methyl tert-butyl Ether	2.767	73	14291	0.84	ug/L #	87
18) trans-1,2-Dichloroethene	2.764	96	12031	1.58	ug/L	93
19) 1,1-Dichloroethane	3.188	63	3128	0.23	ug/L #	94
22) cis-1,2-Dichloroethene	3.912	96	393185	49.12	ug/L	96
34) Trichloroethene	5.918	95	25885	2.93	ug/L	98
42) Toluene	7.391	91	40983	1.24	ug/L	100
47) Tetrachloroethene	7.976	164	105638	14.81	ug/L	99
53) m,p-xylene	9.149	106	1711	0.13	ug/L	92
64) 1,3-Dichlorobenzene	11.188	146	3958	0.27	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	4572	0.31	ug/L	95
67) 1,2-Dichlorobenzene	11.645	146	4400	0.32	ug/L	96

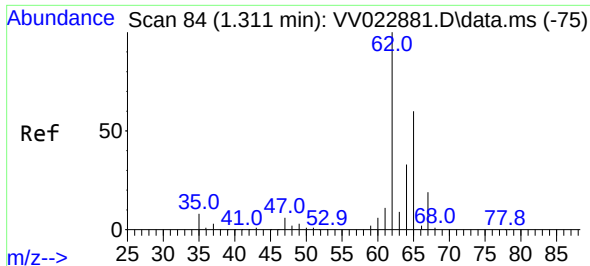
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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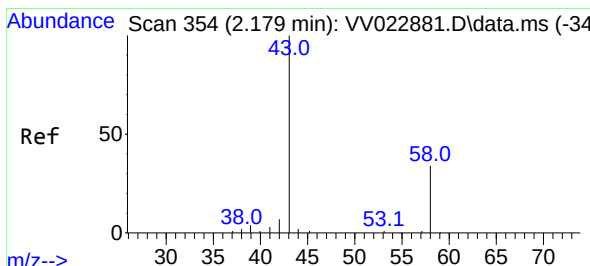
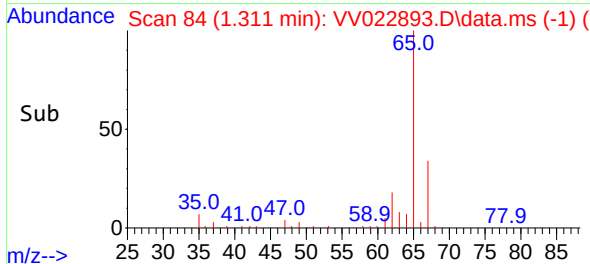
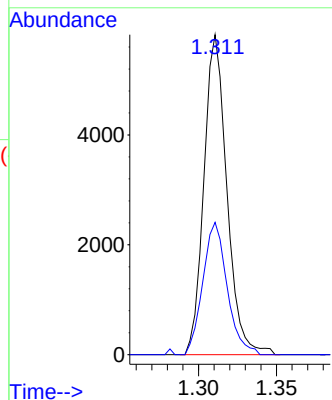
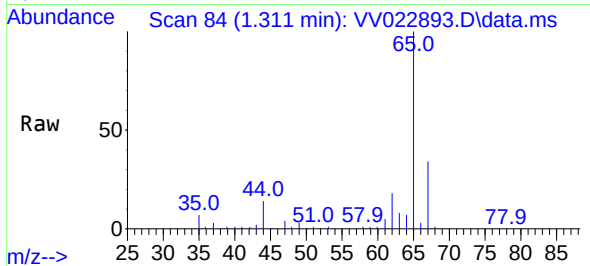




#5
 Vinyl chloride
 Concen: 0.68 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

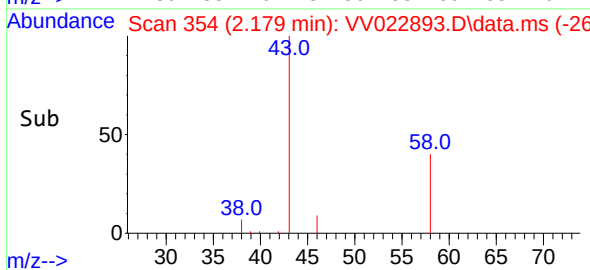
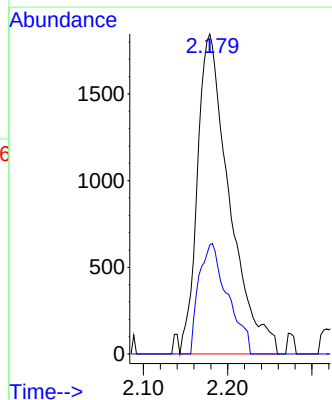
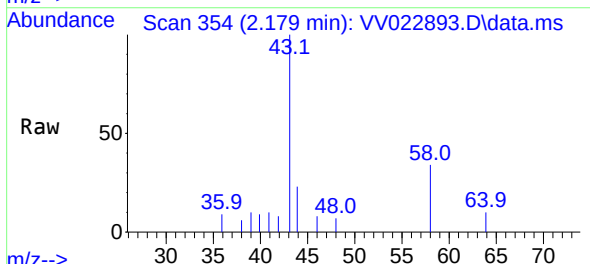
Instrument :
 MSVOA_V
 ClientSampleId :
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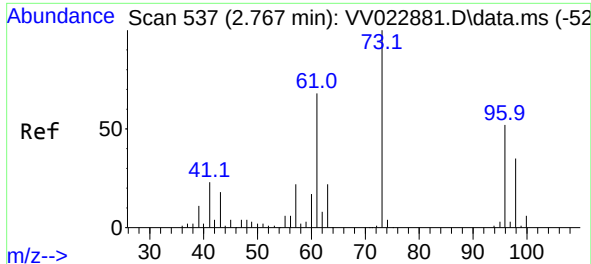
Tgt Ion: 62 Resp: 5962
 Ion Ratio Lower Upper
 62 100
 64 41.4 23.0 42.8



#13
 Acetone
 Concen: 4.17 ug/L
 RT: 2.179 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

Tgt Ion: 43 Resp: 4863
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 24.2#

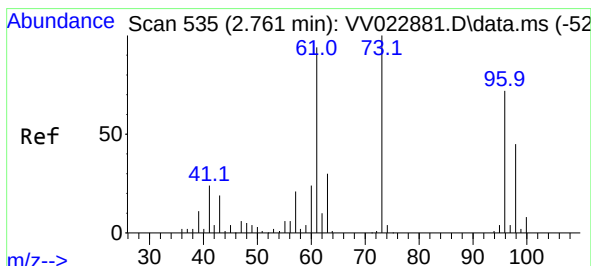
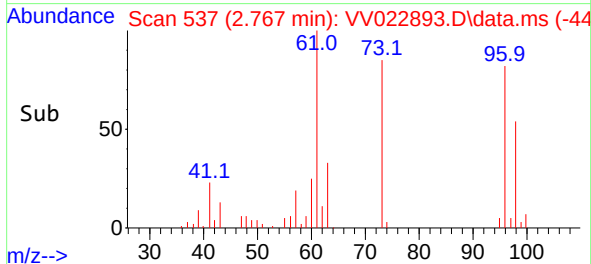
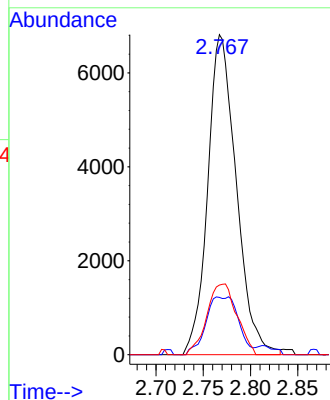
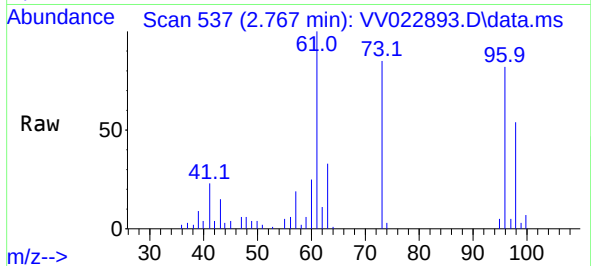




#17
Methyl tert-butyl Ether
Concen: 0.84 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

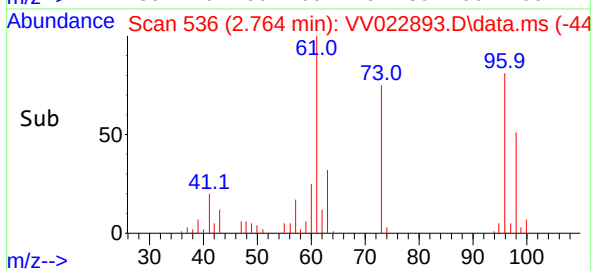
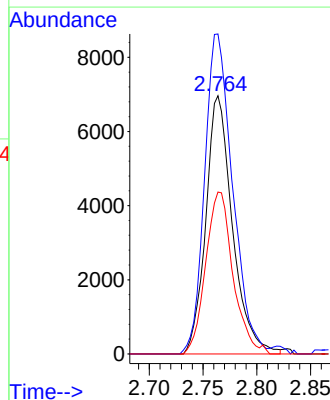
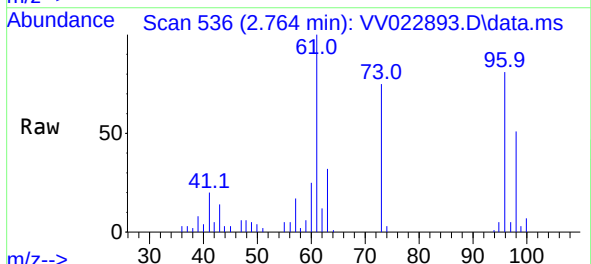
Instrument :
MSVOA_V
ClientSampleId :
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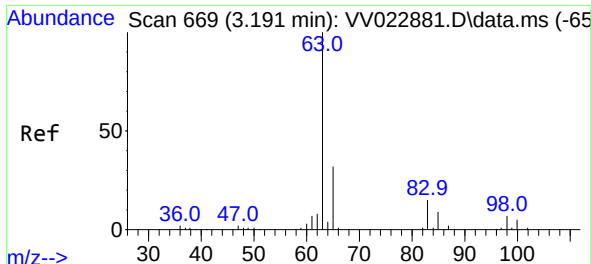
Tgt Ion: 73	Resp:	14291
Ion	Ratio	Lower Upper
73	100	
43	11.1	17.1 25.7#
57	23.2	17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 1.58 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96	Resp:	12031
Ion	Ratio	Lower Upper
96	100	
61	123.9	94.5 175.5
98	62.7	44.2 82.0



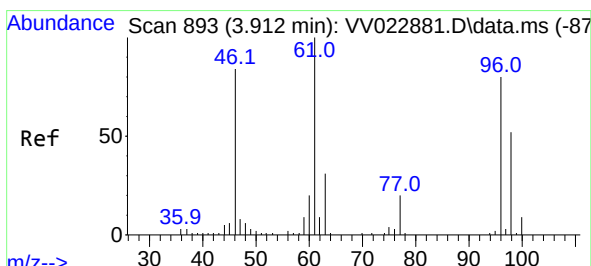
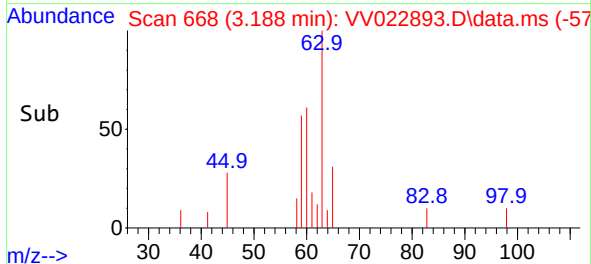
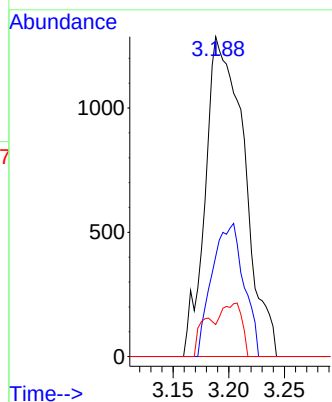
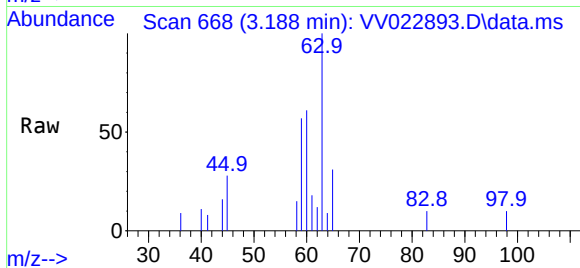


#19
1,1-Dichloroethane
Concen: 0.23 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Instrument :
MSVOA_V
ClientSampleId :
BFGA9

Tgt Ion: 63 Resp: 3128

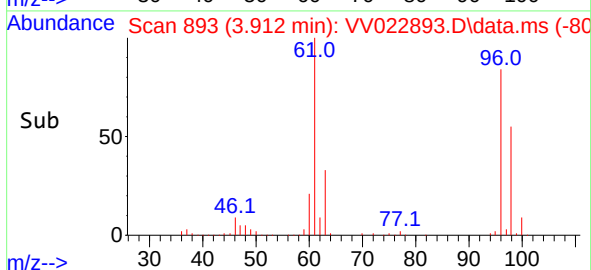
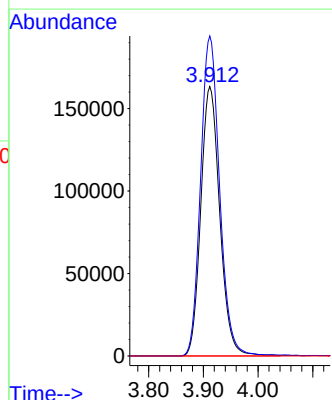
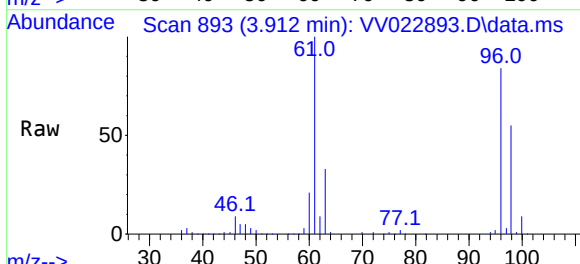
Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.5	43.7
83	10.0	10.1	18.7#

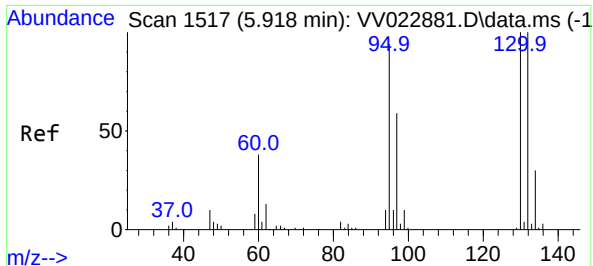


#22
cis-1,2-Dichloroethene
Concen: 49.12 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 393185

Ion	Ratio	Lower	Upper
96	100		
61	118.8	86.0	159.6
68	0.0	0.0	0.0

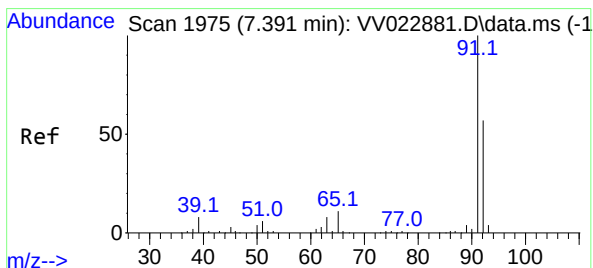
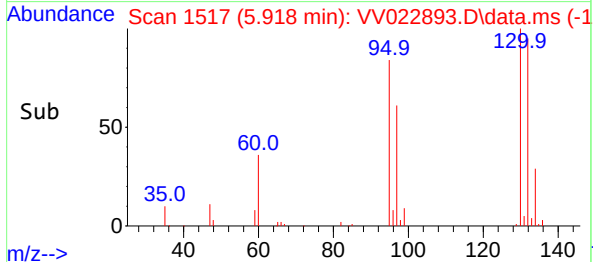
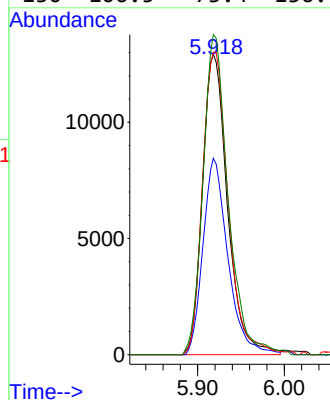
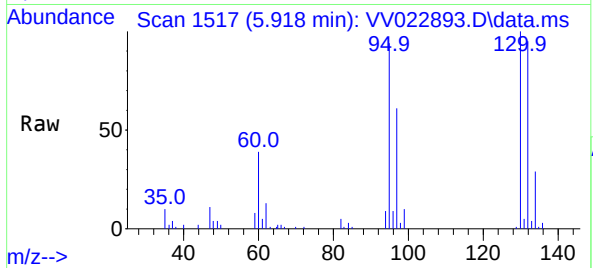




#34
Trichloroethene
Concen: 2.93 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

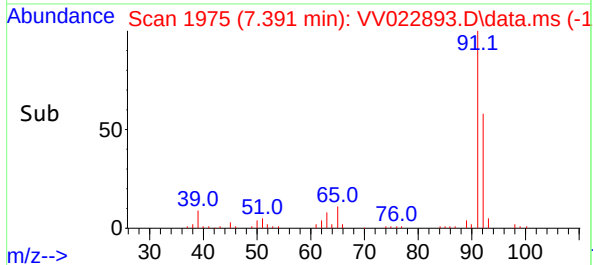
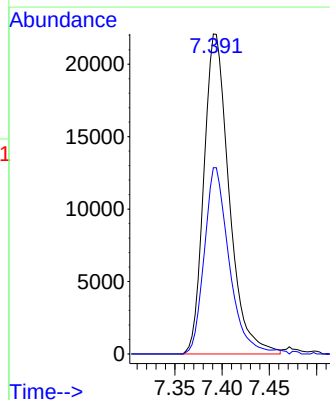
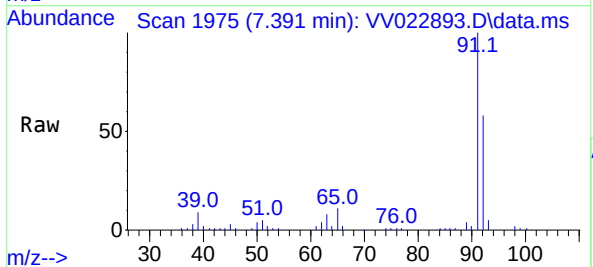
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MSVOA_V
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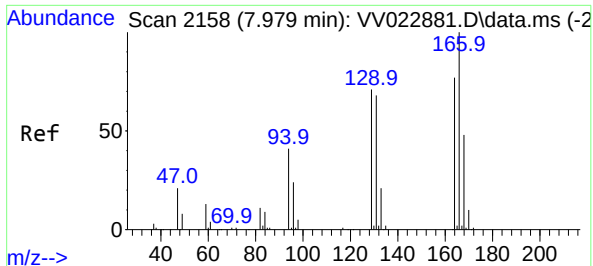
Tgt Ion: 95 Resp: 25885
Ion Ratio Lower Upper
95 100
97 65.4 45.8 85.2
132 100.6 72.2 134.0
130 106.5 73.4 136.4



#42
Toluene
Concen: 1.24 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 91 Resp: 40983
Ion Ratio Lower Upper
91 100
92 58.2 40.7 75.7





#47

Tetrachloroethene

Concen: 14.81 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.003 min

Lab File: VV022893.D

Acq: 19 Oct 2021 02:17

Tgt Ion:164 Resp: 105638

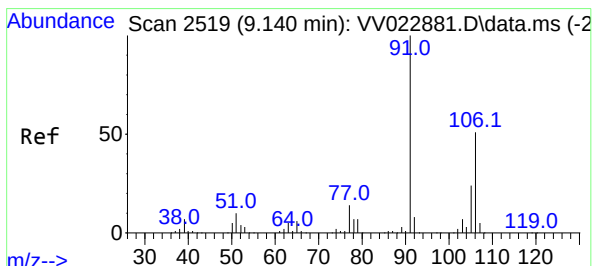
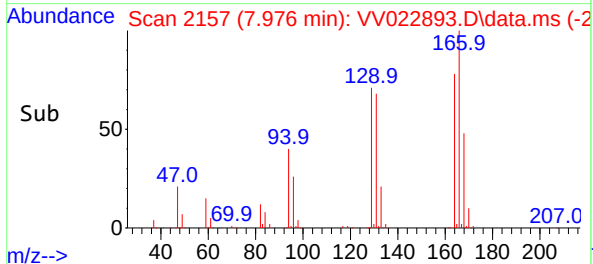
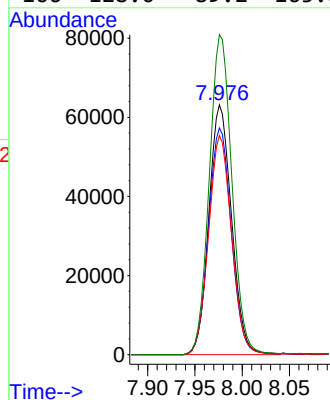
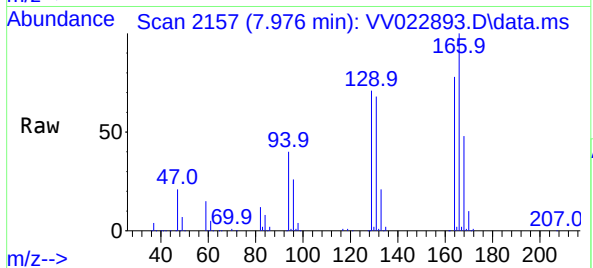
Ion Ratio Lower Upper

164 100

129 90.7 65.0 120.6

131 87.7 62.2 115.4

166 128.0 89.2 165.8



#53

m,p-xylene

Concen: 0.13 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.010 min

Lab File: VV022893.D

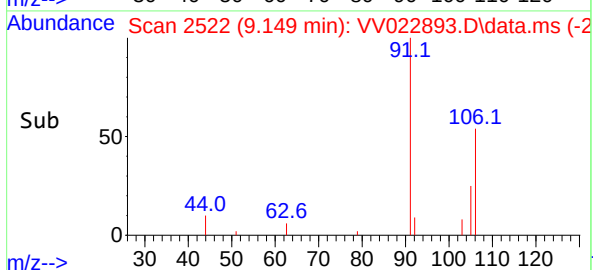
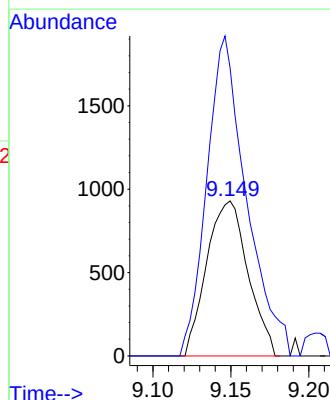
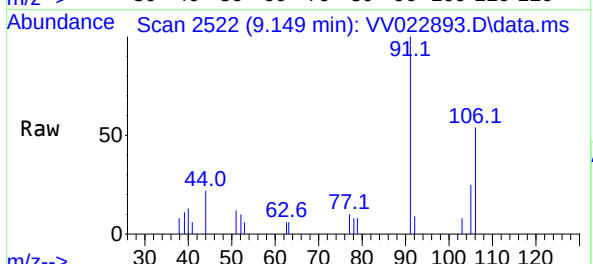
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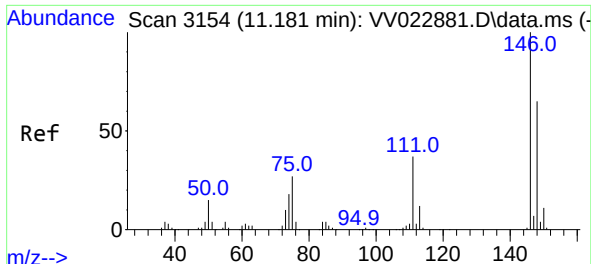
Tgt Ion:106 Resp: 1711

Ion Ratio Lower Upper

106 100

91 185.7 138.7 257.5

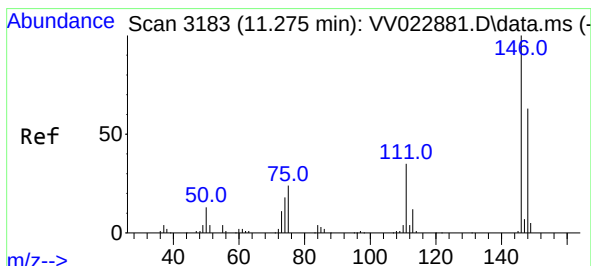
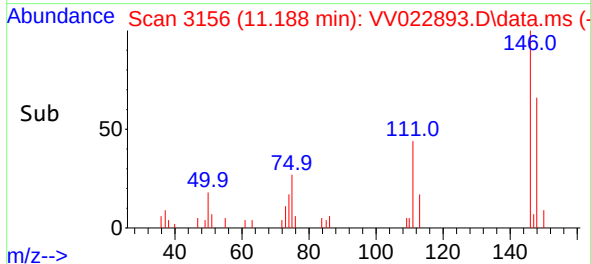
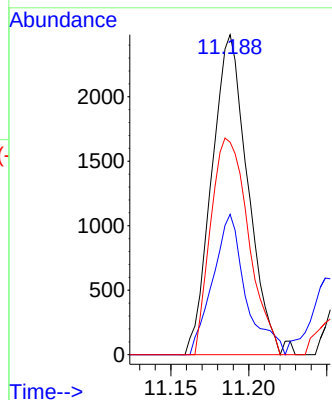
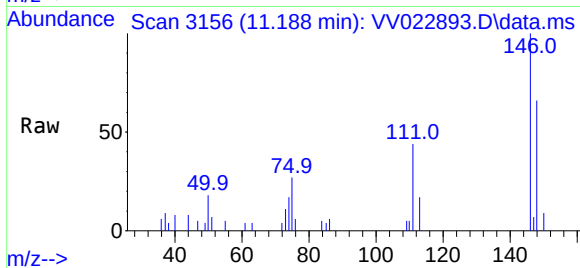




#64
1,3-Dichlorobenzene
Concen: 0.27 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

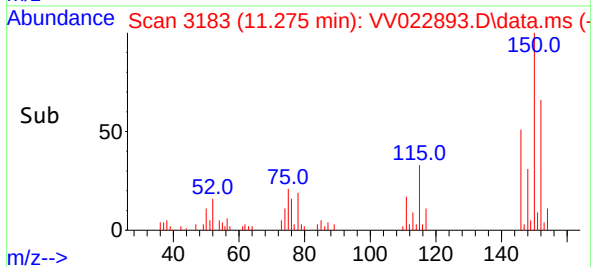
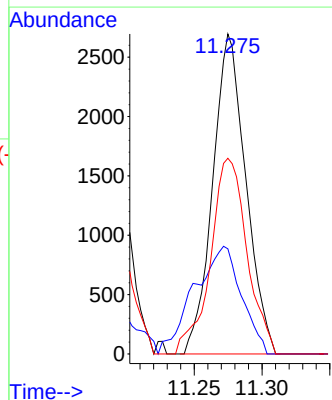
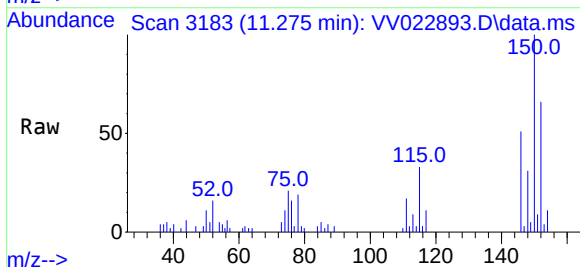
Instrument :
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ClientSampled :
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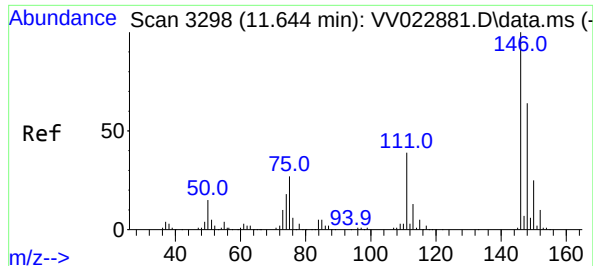
Tgt Ion:146 Resp: 3958
Ion Ratio Lower Upper
146 100
111 43.9 26.7 49.5
148 66.4 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 0.31 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:146 Resp: 4572
Ion Ratio Lower Upper
146 100
111 32.8 25.6 47.4
148 61.2 44.9 83.5





#67
 1,2-Dichlorobenzene
 Concen: 0.32 ug/L
 RT: 11.645 min Scan# 3298
 Delta R.T. 0.000 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

Tgt Ion:	146	Resp:	4400
Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.3	48.5
148	69.8	52.1	78.1

