

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111722\
 Data File : VV029088.D
 Acq On : 18 Nov 2022 01:22
 Operator : SY/MD
 Sample : N5648-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46D5

Quant Time: Nov 18 06:02:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

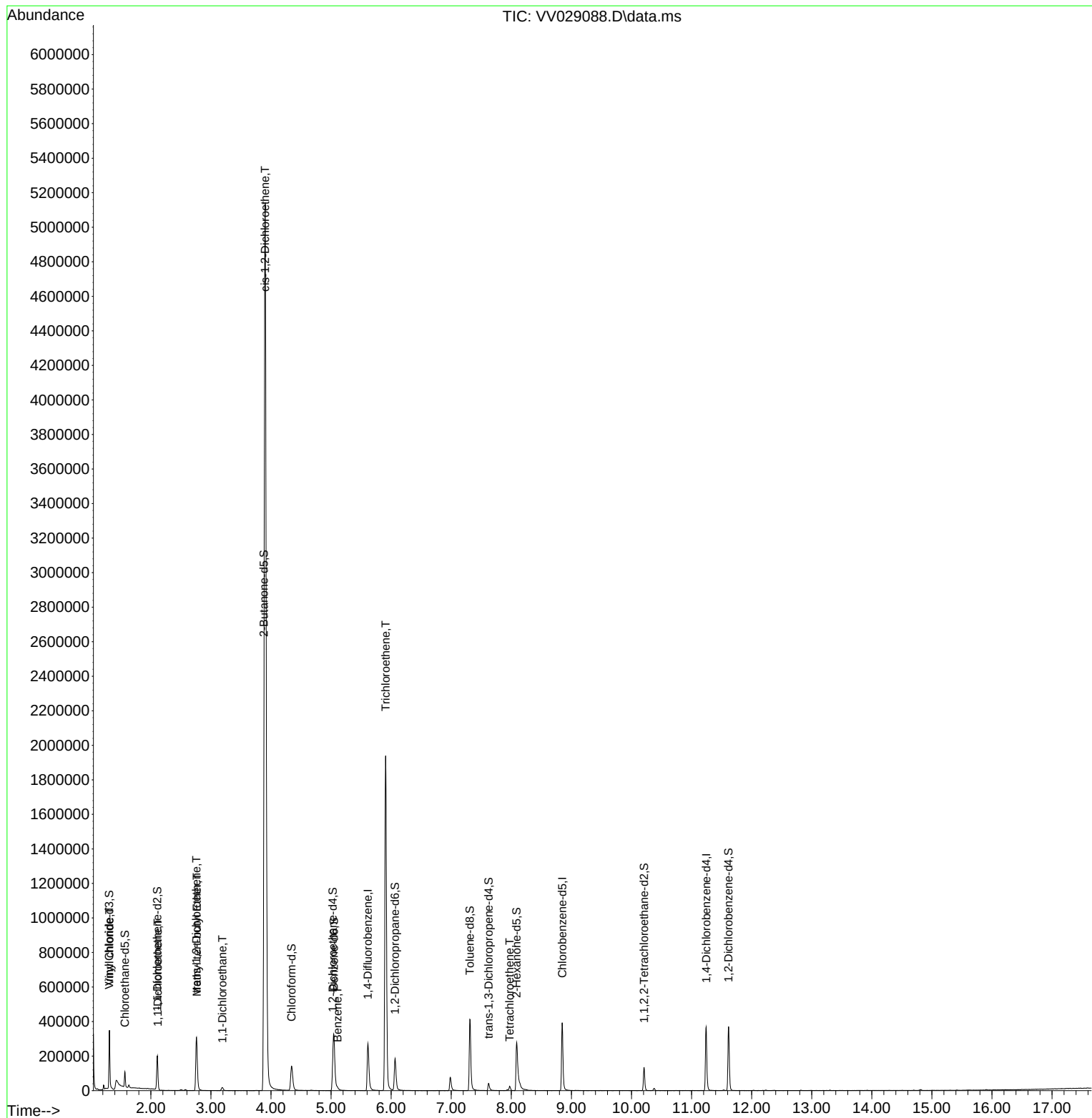
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	262177	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	243298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	108939	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	70790	4.429	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	88.600%	
7) Chloroethane-d5	1.568	69	58758	4.182	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	83.600%	
11) 1,1-Dichloroethene-d2	2.108	63	97452	3.346	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	67.000%	
20) 2-Butanone-d5	3.883	46	165370	61.807	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	123.620%	
24) Chloroform-d	4.342	84	155718	4.745	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.000%	
26) 1,2-Dichloroethane-d4	5.027	65	73759	4.996	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
32) Benzene-d6	5.047	84	323393	4.453	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.000%	
36) 1,2-Dichloropropane-d6	6.066	67	94298	4.650	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.000%	
41) Toluene-d8	7.310	98	301228	4.608	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.200%	
43) trans-1,3-Dichloroprop...	7.622	79	29265	4.425	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	88.400%	
46) 2-Hexanone-d5	8.088	63	120898	42.825	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	85.640%	
56) 1,1,2,2-Tetrachloroeth...	10.210	84	66258	4.713	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.200%	
66) 1,2-Dichlorobenzene-d4	11.616	152	105375	5.407	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	108.200%	
Target Compounds						
5) Vinyl chloride	1.310	62	158373	7.655	ug/L	94
12) 1,1-Dichloroethene	2.117	96	5115	0.322	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	74152	2.179	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	103370	5.616	ug/L	94
19) 1,1-Dichloroethane	3.191	63	19837	0.659	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	3114824	166.445	ug/L	95
33) Benzene	5.104	78	18307	0.246	ug/L	100
34) Trichloroethene	5.908	95	688044	36.149	ug/L	98
47) Tetrachloroethene	7.973	164	6178	0.405	ug/L	94

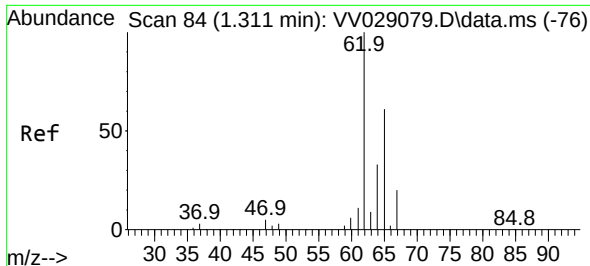
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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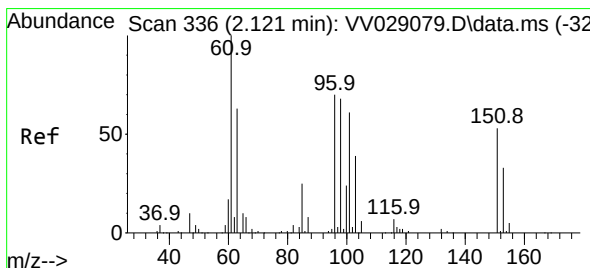
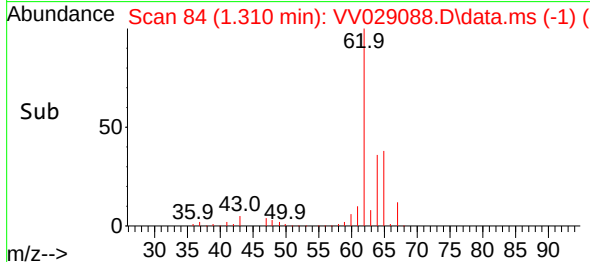
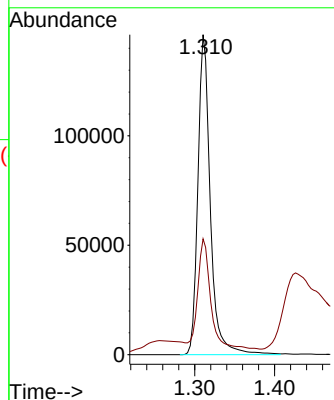
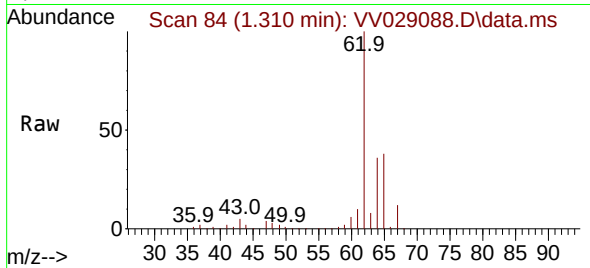




#5
 Vinyl chloride
 Concen: 7.655 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029088.D
 Acq: 18 Nov 2022 01:22

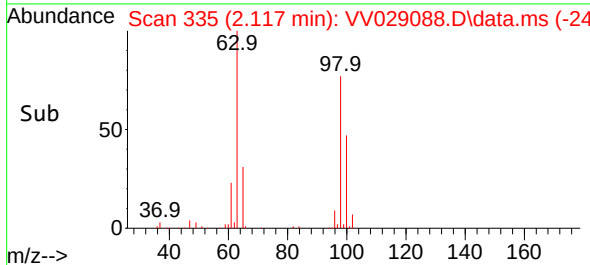
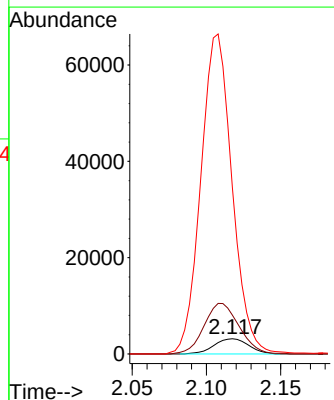
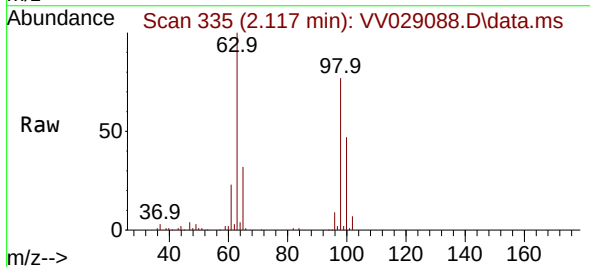
Instrument :
 MSVOA_V
 ClientSampleId :
 H46D5

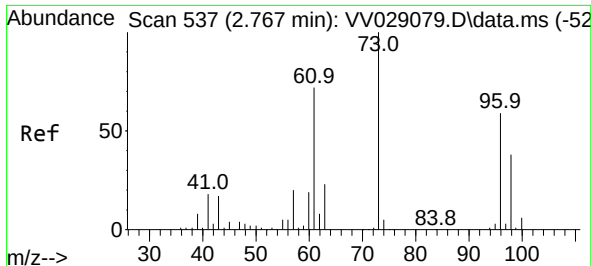
Tgt Ion: 62 Resp: 158373
 Ion Ratio Lower Upper
 62 100
 64 36.2 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.322 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV029088.D
 Acq: 18 Nov 2022 01:22

Tgt Ion: 96 Resp: 5115
 Ion Ratio Lower Upper
 96 100
 61 255.1 104.2 193.4#
 63 1092.4 75.9 140.9#

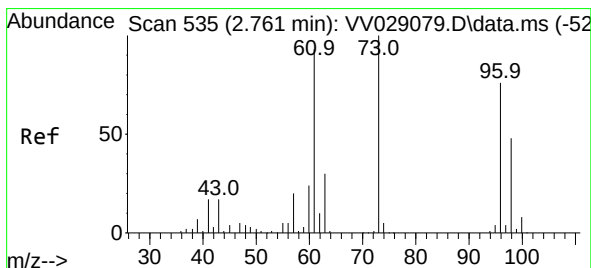
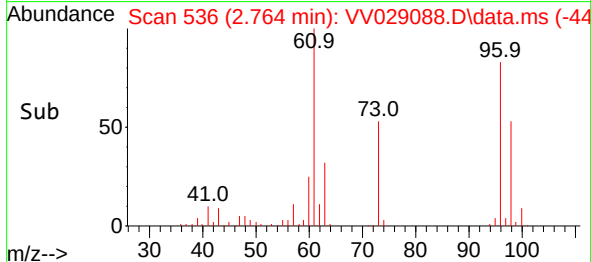
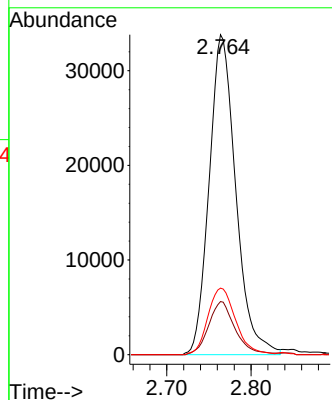
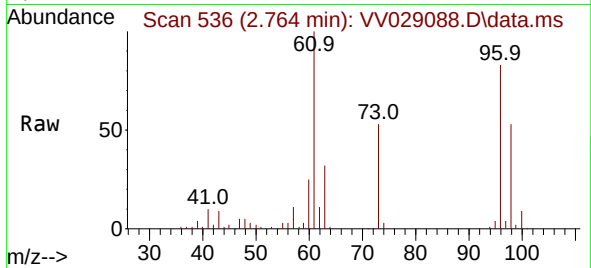




#17
Methyl tert-butyl Ether
Concen: 2.179 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

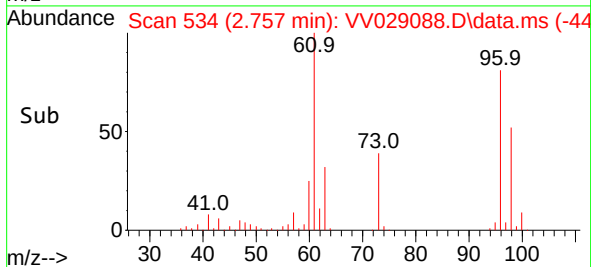
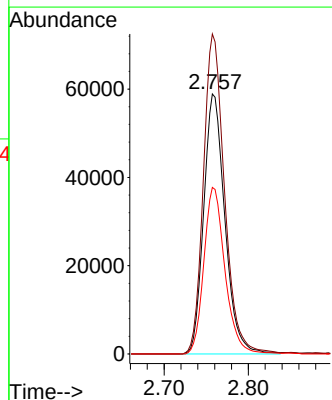
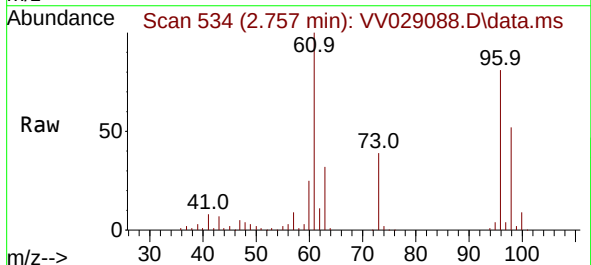
Instrument :
MSVOA_V
ClientSampleId :
H46D5

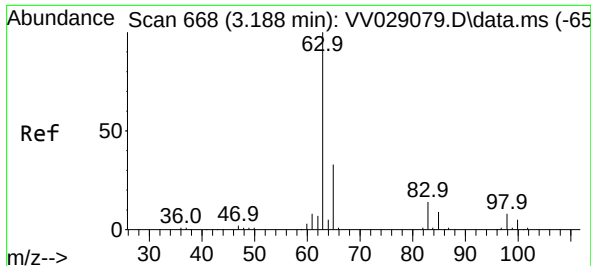
Tgt Ion: 73 Resp: 74152
Ion Ratio Lower Upper
73 100
43 16.6 13.0 19.4
57 21.7 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 5.616 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV029088.D
Acq: 18 Nov 2022 01:22

Tgt Ion: 96 Resp: 103370
Ion Ratio Lower Upper
96 100
61 123.1 91.8 170.6
98 64.1 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.659 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Instrument :

MSVOA_V

ClientSampleId :

H46D5

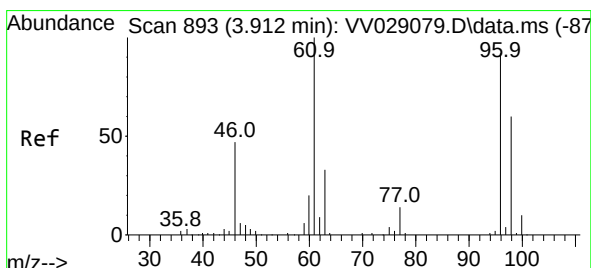
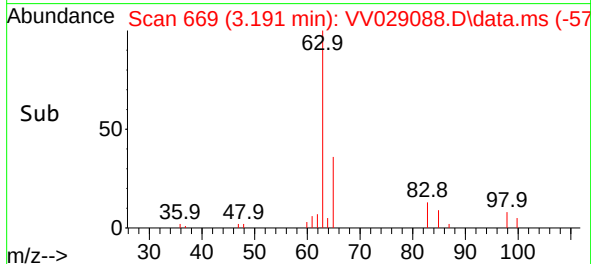
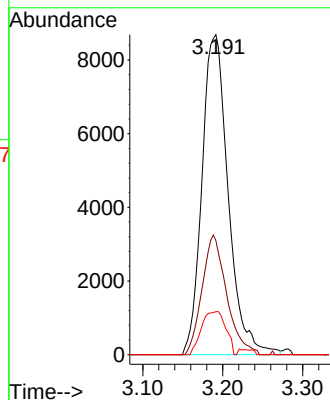
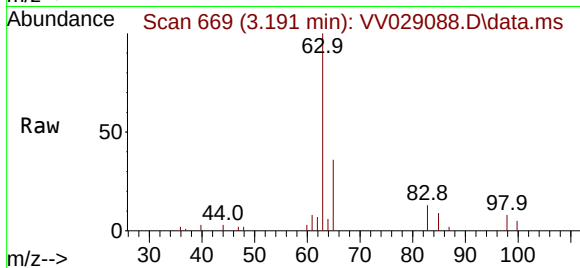
Tgt Ion: 63 Resp: 19837

Ion Ratio Lower Upper

63 100

65 35.6 23.0 42.6

83 13.4 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 166.445 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

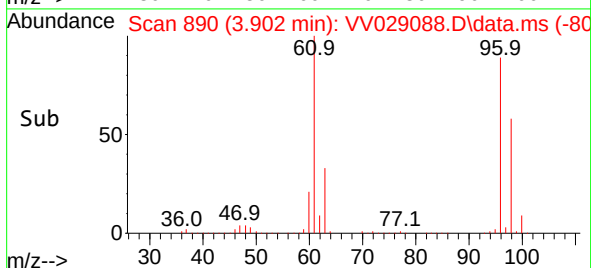
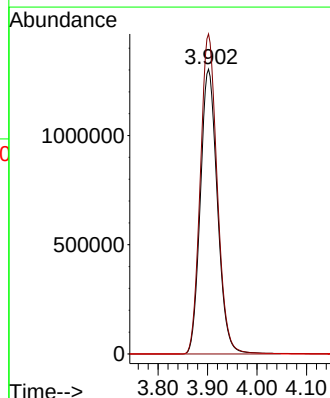
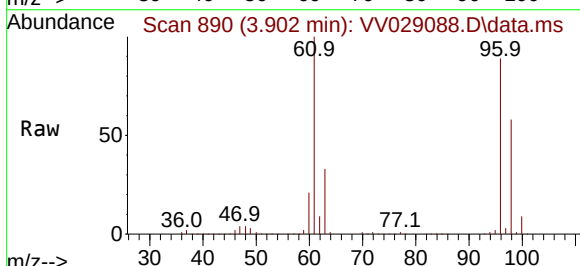
Tgt Ion: 96 Resp: 3114824

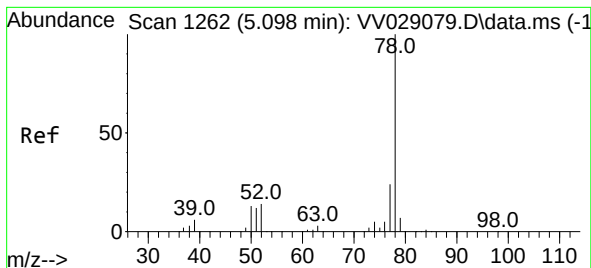
Ion Ratio Lower Upper

96 100

61 112.4 82.3 152.9

68 0.0 0.0 0.0





#33

Benzene

Concen: 0.246 ug/L

RT: 5.104 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

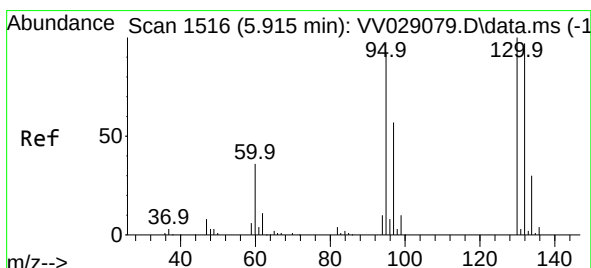
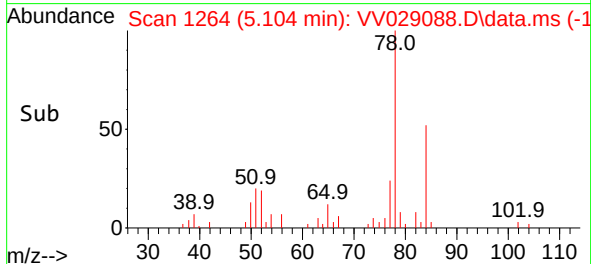
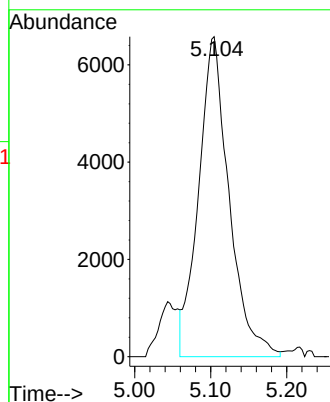
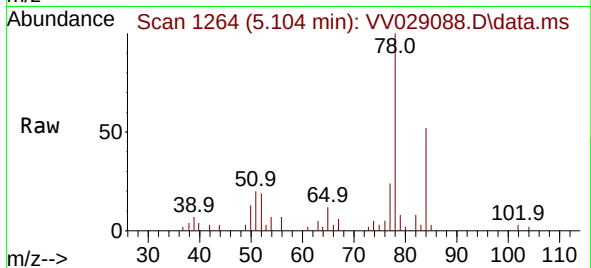
Instrument :

MSVOA_V

ClientSampleId :

H46D5

Tgt Ion: 78 Resp: 18307



#34

Trichloroethene

Concen: 36.149 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.006 min

Lab File: VV029088.D

Acq: 18 Nov 2022 01:22

Tgt Ion: 95 Resp: 688044

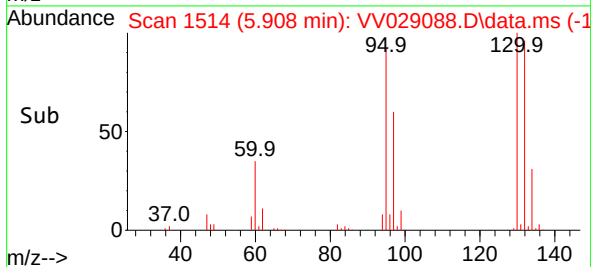
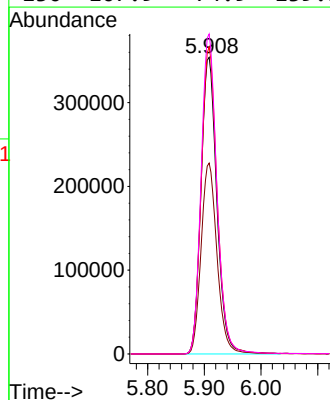
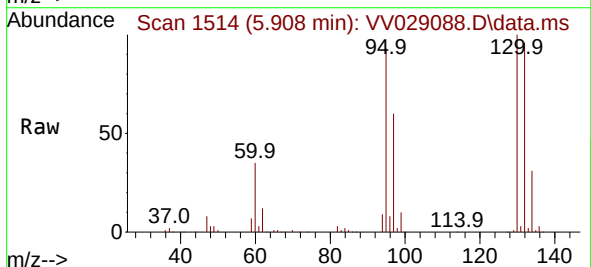
Ion Ratio Lower Upper

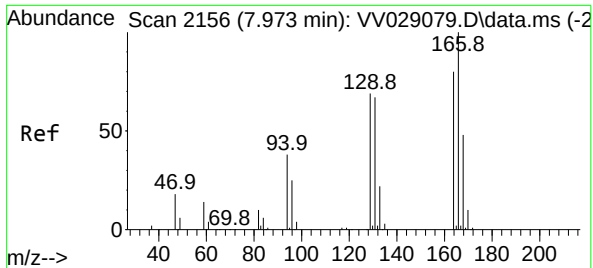
95 100

97 64.4 45.6 84.8

132 103.5 69.1 128.3

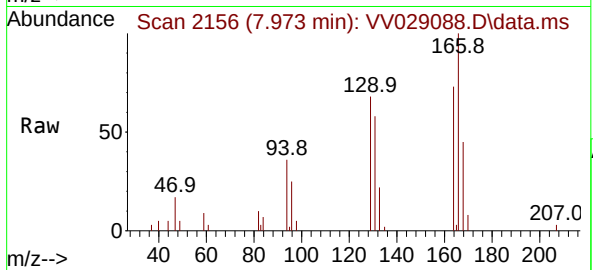
130 107.9 74.9 139.1





#47
 Tetrachloroethene
 Concen: 0.405 ug/L
 RT: 7.973 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029088.D
 Acq: 18 Nov 2022 01:22

Instrument :
 MSVOA_V
 ClientSampleId :
 H46D5



Tgt Ion:164 Resp: 6178

Ion	Ratio	Lower	Upper
164	100		
129	93.1	63.9	118.7
131	79.5	61.8	114.8
166	136.4	90.2	167.4

