

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091123\
 Data File : VW032030.D
 Acq On : 11 Sep 2023 16:45
 Operator : SY/MD
 Sample : 04306-08 40X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4K3

Quant Time: Sep 12 06:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 09 21:51:31 2023
 Response via : Initial Calibration

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

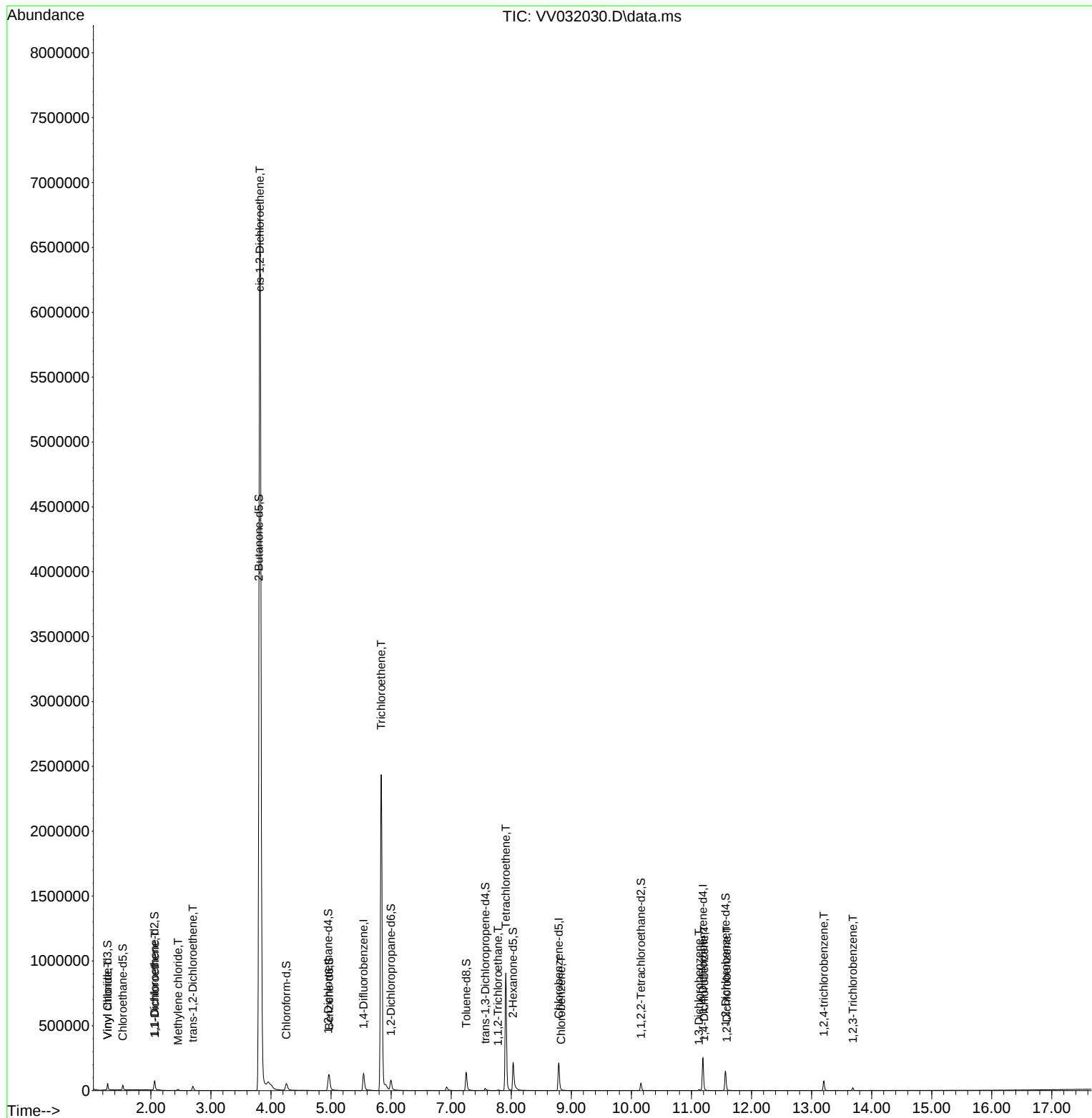
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	116019	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	115666	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	61815	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	18507	4.723	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.400%	
7) Chloroethane-d5	1.532	69	22807	5.081	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.600%	
11) 1,1-Dichloroethene-d2	2.060	65	10616	4.603	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.000%	
20) 2-Butanone-d5	3.799	46	110265	58.131	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.260%	
24) Chloroform-d	4.256	84	56309	4.246	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.000%	
26) 1,2-Dichloroethane-d4	4.953	65	29014	4.246	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.000%	
32) Benzene-d6	4.966	84	110381	4.194	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.800%	
36) 1,2-Dichloropropane-d6	5.995	67	39990	4.309	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.200%	
41) Toluene-d8	7.249	98	96466	3.950	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.000%	
43) trans-1,3-Dichloroprop...	7.567	79	10860	3.209	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	64.200%	
46) 2-Hexanone-d5	8.030	63	80185	44.437	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.880%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	29167	4.380	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	87.600%	
66) 1,2-Dichlorobenzene-d4	11.567	152	36750	3.671	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	73.400%#	
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	15658	2.152	ug/L	93
12) 1,1-Dichloroethene	2.069	96	5232	1.002	ug/L #	1
16) Methylene chloride	2.452	84	3356	0.395	ug/L	90
18) trans-1,2-Dichloroethene	2.699	96	12220	2.064	ug/L	92
22) cis-1,2-Dichloroethene	3.815	96	3655963	536.089	ug/L	97
34) Trichloroethene	5.834	95	876114	112.507	ug/L	98
45) 1,1,2-Trichloroethane	7.780	97	1554	0.296	ug/L	96
47) Tetrachloroethene	7.908	164	196041	39.408	ug/L	98
51) Chlorobenzene	8.828	112	1864	0.099	ug/L #	80
64) 1,3-Dichlorobenzene	11.127	146	2816	0.185	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	1547	0.099	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	1378	0.099	ug/L #	81
70) 1,2,4-trichlorobenzene	13.204	180	20256	1.964	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	5631	0.648	ug/L	97

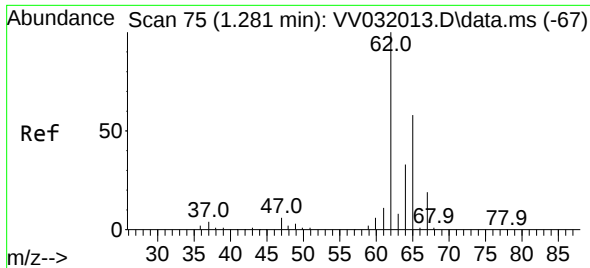
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 09 21:51:31 2023
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 2.152 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

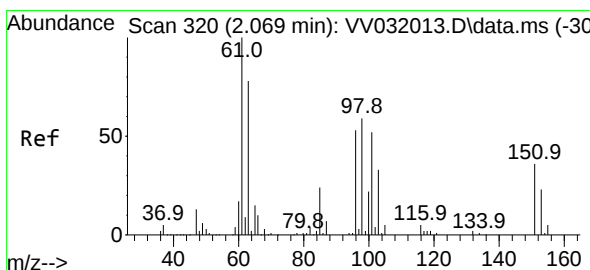
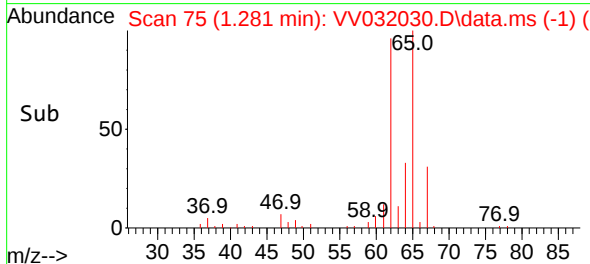
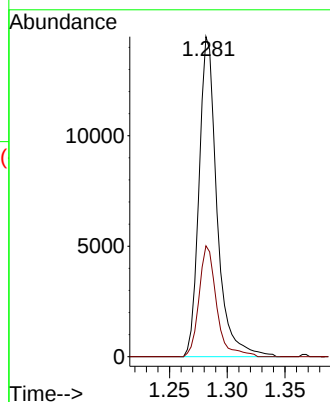
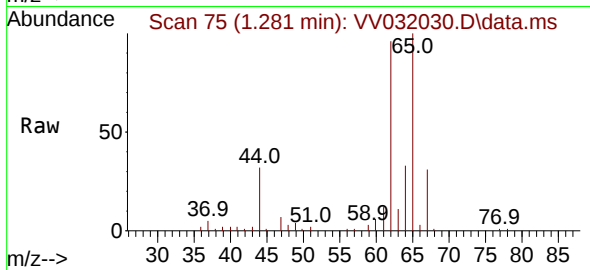
Instrument :

MSVOA_V

ClientSampleId :

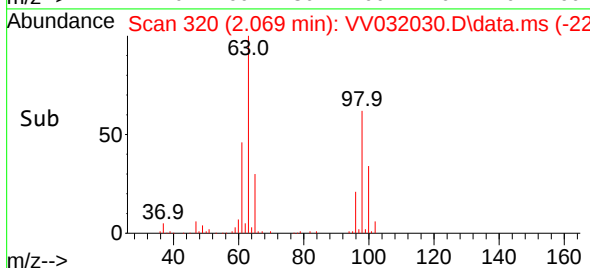
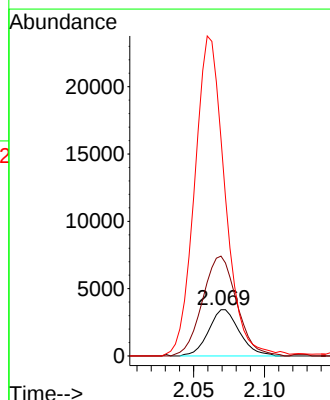
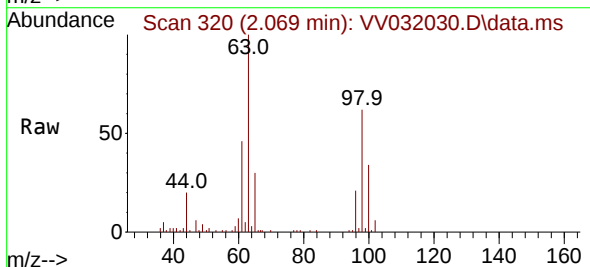
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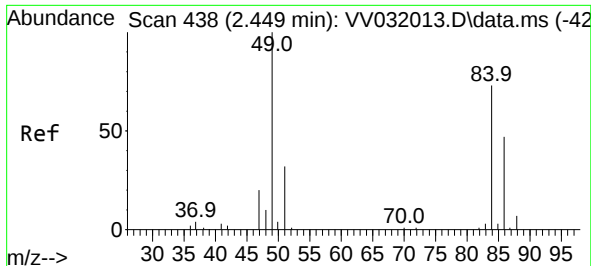
Tgt Ion: 62 Resp: 15658
 Ion Ratio Lower Upper
 62 100
 64 34.6 21.7 40.3



#12
 1,1-Dichloroethene
 Concen: 1.002 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Tgt Ion: 96 Resp: 5232
 Ion Ratio Lower Upper
 96 100
 61 215.6 129.0 239.6
 63 468.8 99.0 183.8#

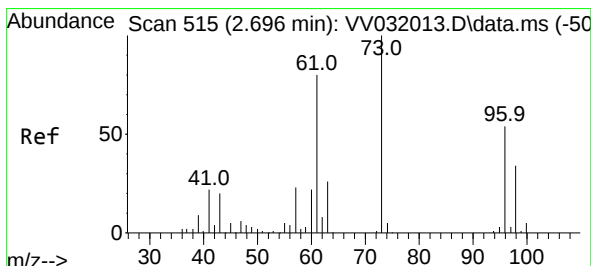
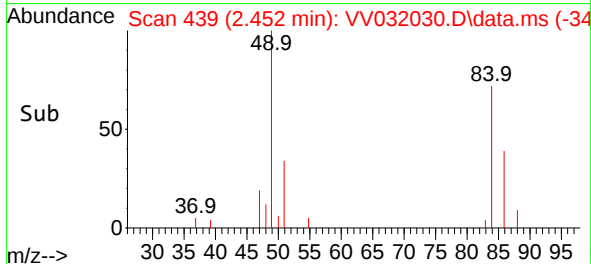
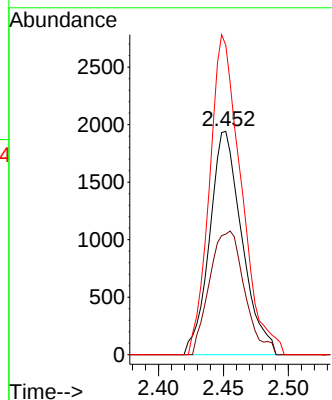
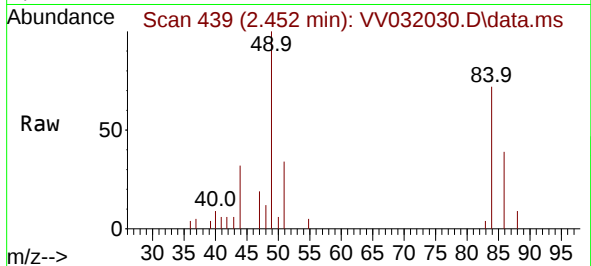




#16
Methylene chloride
Concen: 0.395 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

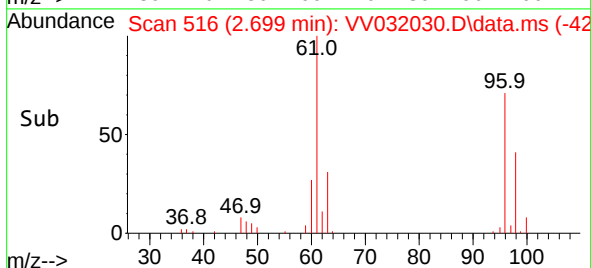
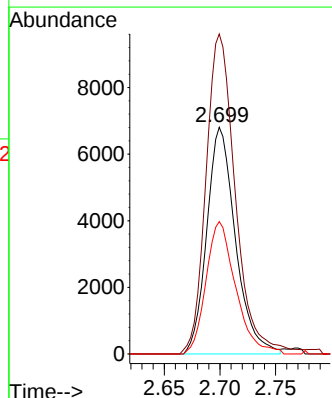
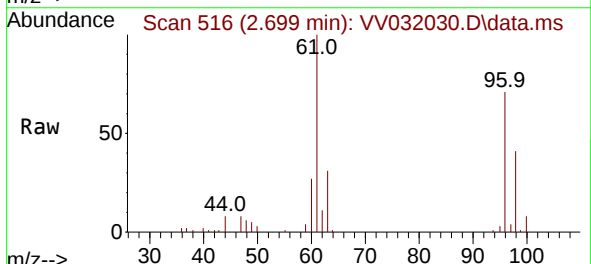
Instrument :
MSVOA_V
ClientSampleId :
BH4K3

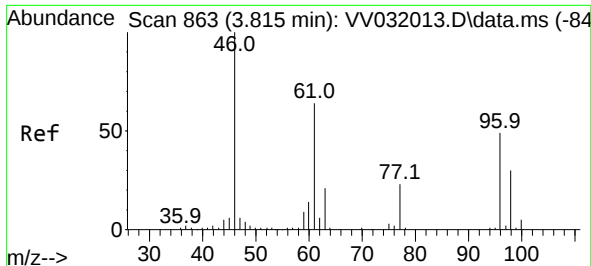
Tgt Ion: 84 Resp: 3356
Ion Ratio Lower Upper
84 100
86 54.0 42.6 79.2
49 138.5 88.5 164.4



#18
trans-1,2-Dichloroethene
Concen: 2.064 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion: 96 Resp: 12220
Ion Ratio Lower Upper
96 100
61 141.2 106.8 198.4
98 58.4 44.9 83.3



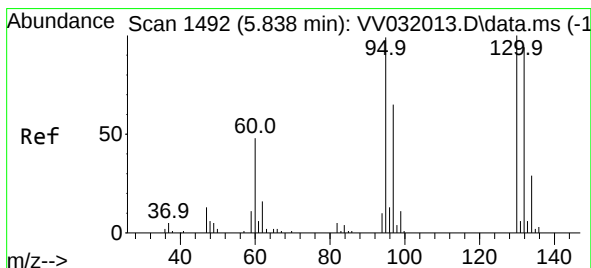
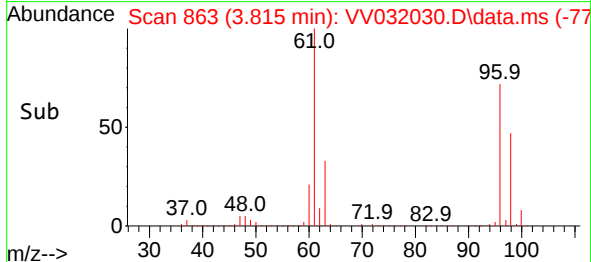
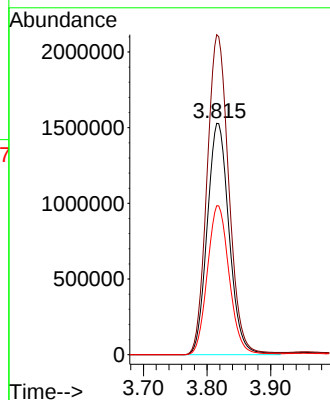
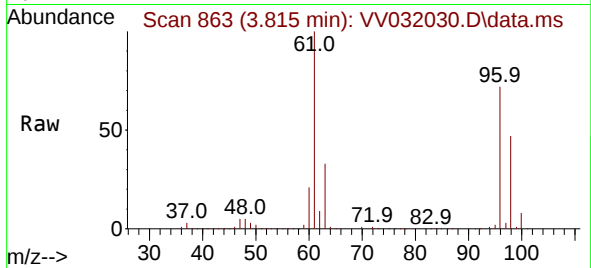


#22
cis-1,2-Dichloroethene
Concen: 536.089 ug/L
RT: 3.815 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Instrument :
MSVOA_V
ClientSampleId :
BH4K3

Tgt Ion: 96 Resp: 3655963

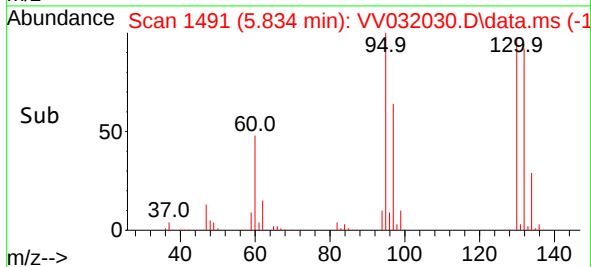
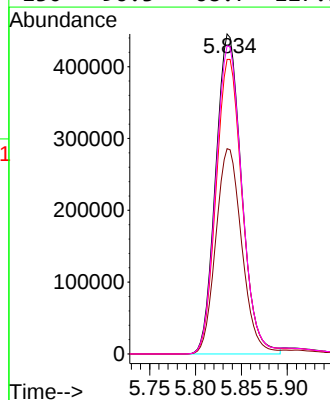
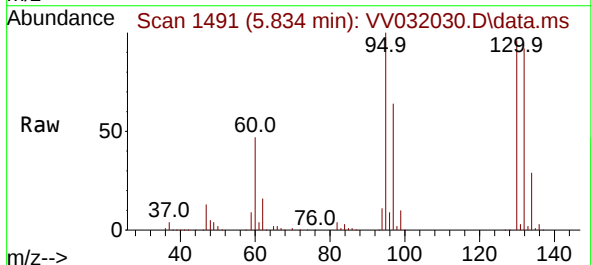
Ion	Ratio	Lower	Upper
96	100		
61	138.3	94.1	174.8
98	64.4	43.8	81.4

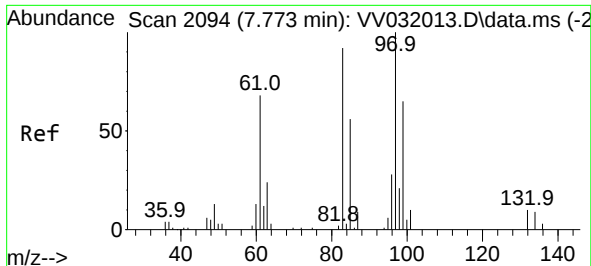


#34
Trichloroethene
Concen: 112.507 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion: 95 Resp: 876114

Ion	Ratio	Lower	Upper
95	100		
97	64.2	47.7	88.7
132	92.0	63.8	118.4
130	96.3	68.7	127.5

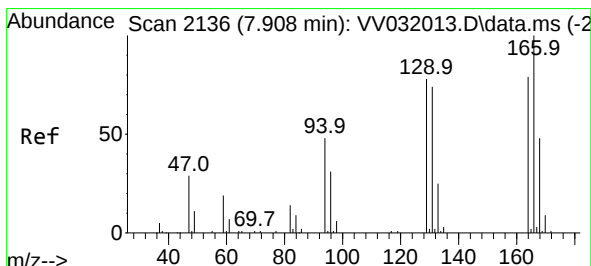
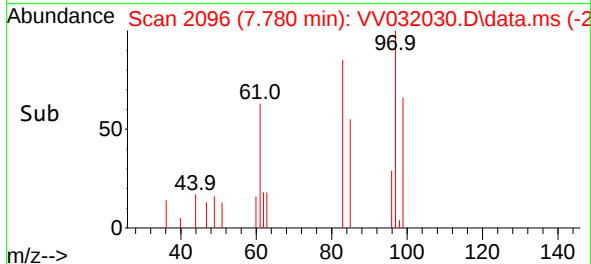
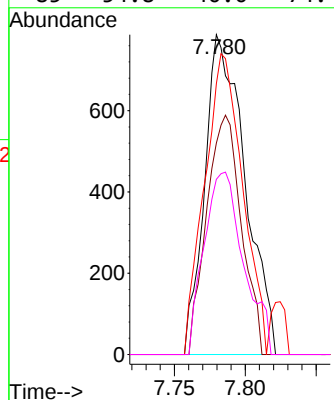
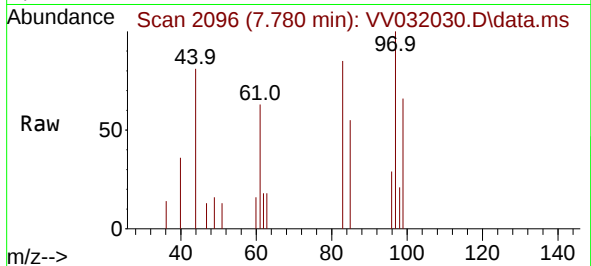




#45
1,1,2-Trichloroethane
Concen: 0.296 ug/L
RT: 7.780 min Scan# 2094
Delta R.T. 0.007 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

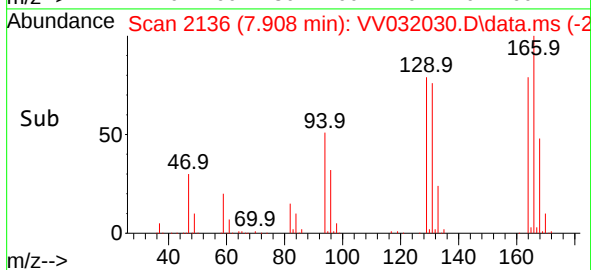
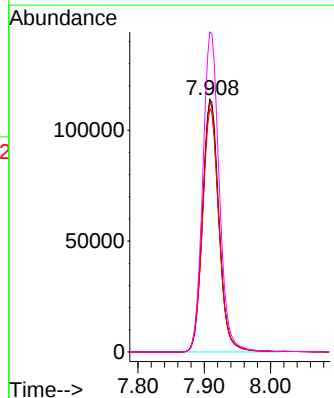
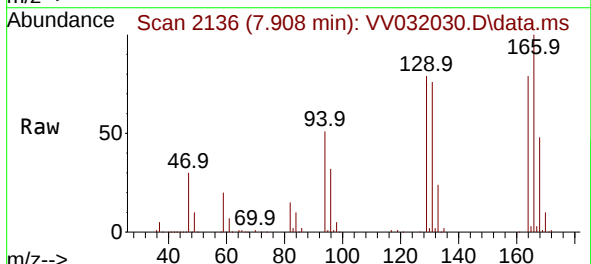
Instrument :
MSVOA_V
ClientSampleId :
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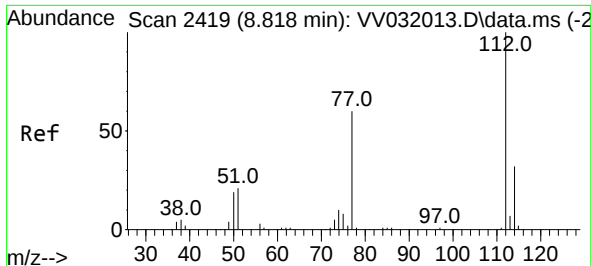
Tgt Ion:	97	Resp:	1554
Ion	Ratio	Lower	Upper
97	100		
99	66.1	44.3	82.3
83	84.6	62.7	116.5
85	54.8	40.0	74.4



#47
Tetrachloroethene
Concen: 39.408 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion:	164	Resp:	196041
Ion	Ratio	Lower	Upper
164	100		
129	99.7	70.6	131.2
131	96.4	64.6	120.0
166	126.7	88.3	164.1

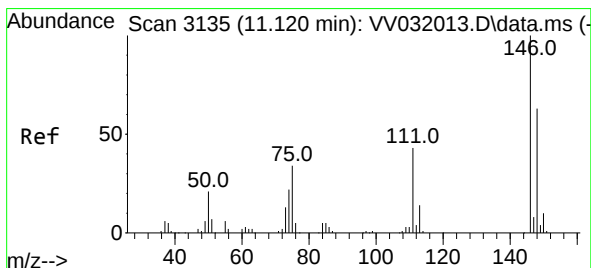
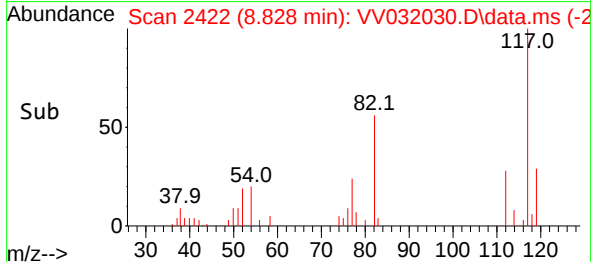
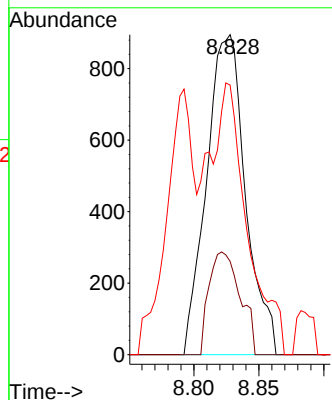
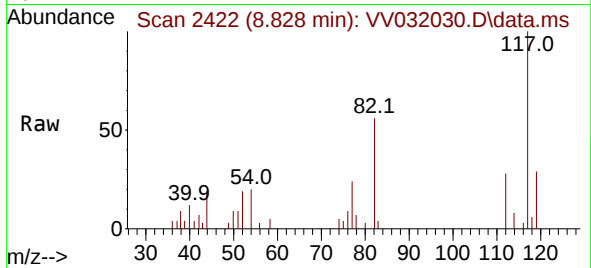




#51
Chlorobenzene
Concen: 0.099 ug/L
RT: 8.828 min Scan# 2419
Delta R.T. 0.010 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

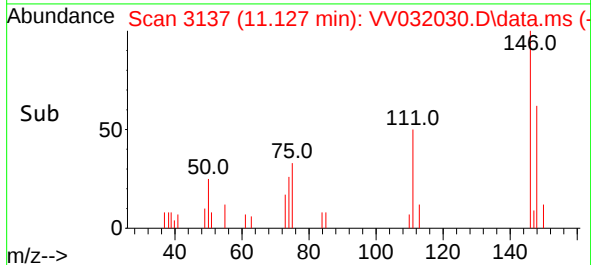
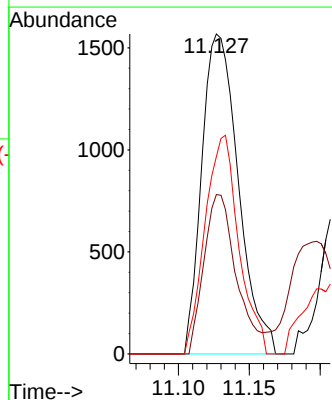
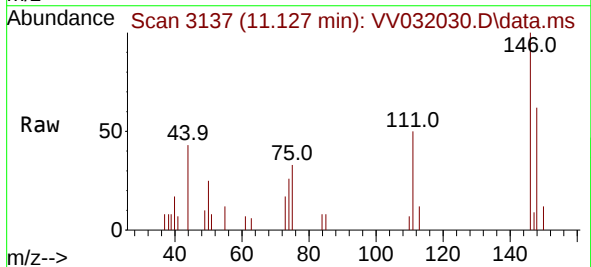
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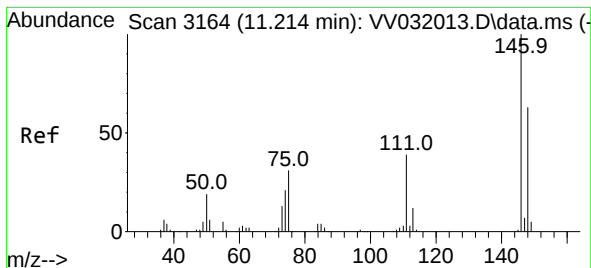
Tgt Ion:112 Resp: 1864
Ion Ratio Lower Upper
112 100
114 29.2 22.3 41.3
77 84.2 50.6 75.8#



#64
1,3-Dichlorobenzene
Concen: 0.185 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.007 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion:146 Resp: 2816
Ion Ratio Lower Upper
146 100
111 49.8 29.5 54.7
148 61.7 43.9 81.5





#65

1,4-Dichlorobenzene

Concen: 0.099 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

Instrument :

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BH4K3

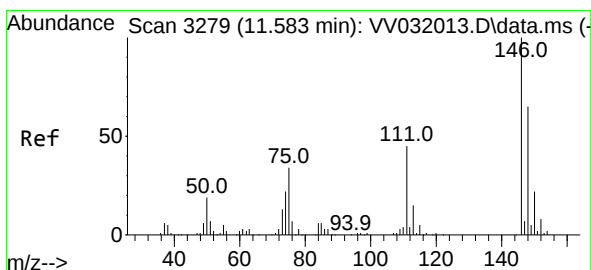
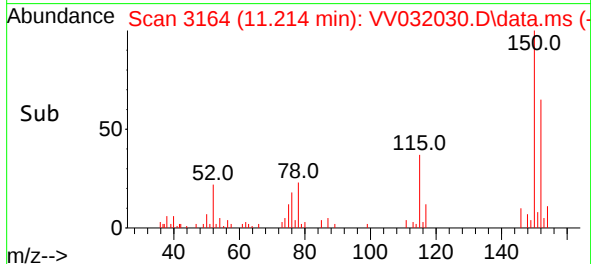
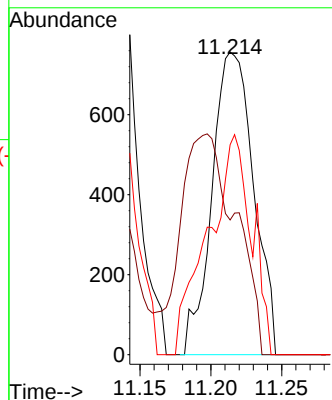
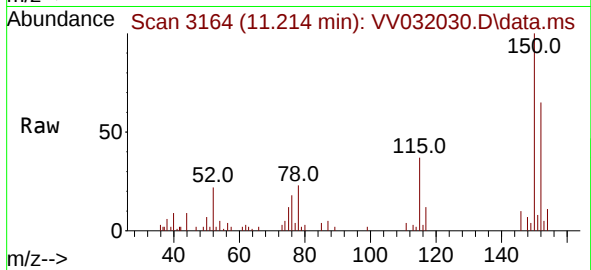
Tgt Ion:146 Resp: 1547

Ion Ratio Lower Upper

146 100

111 44.5 29.2 54.2

148 69.4 44.0 81.6



#67

1,2-Dichlorobenzene

Concen: 0.099 ug/L

RT: 11.587 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

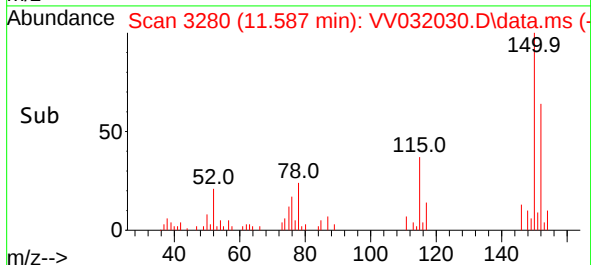
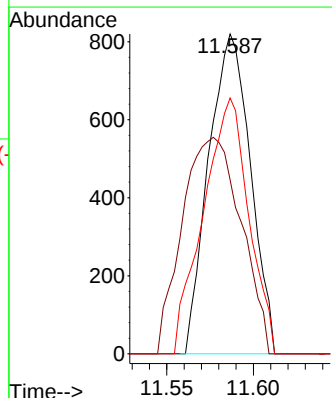
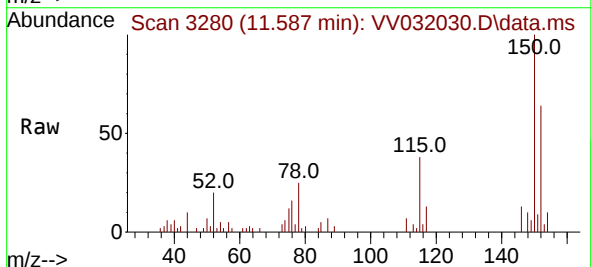
Tgt Ion:146 Resp: 1378

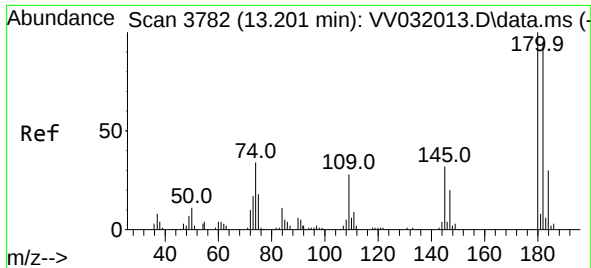
Ion Ratio Lower Upper

146 100

111 54.4 34.8 52.2#

148 80.0 51.4 77.2#

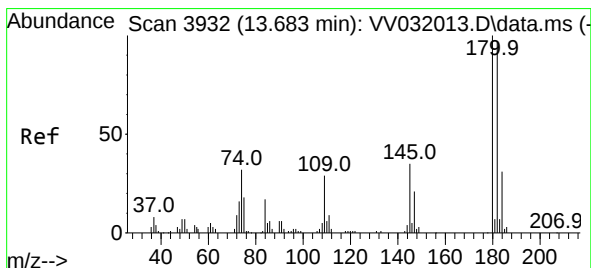
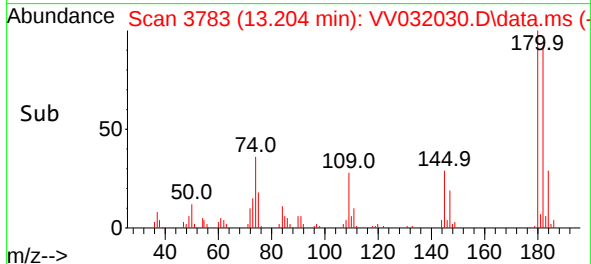
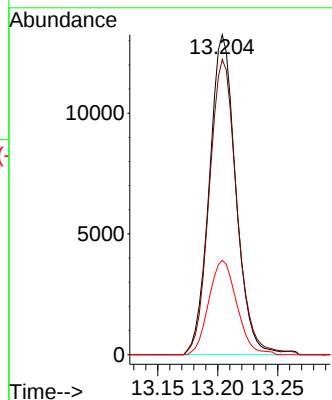
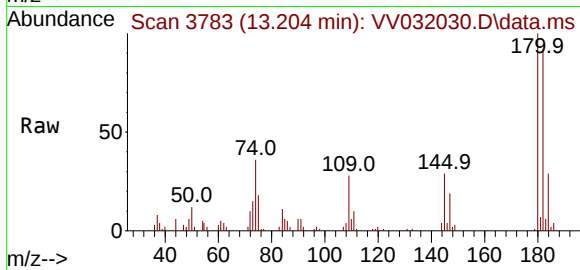




#70
 1,2,4-trichlorobenzene
 Concen: 1.964 ug/L
 RT: 13.204 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Instrument :
 MSVOA_V
 ClientSampleId :
 BH4K3

Tgt Ion:180 Resp: 20256
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.9 115.3
 145 31.3 26.6 39.8



#72
 1,2,3-Trichlorobenzene
 Concen: 0.648 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.003 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Tgt Ion:180 Resp: 5631
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.9 113.9
 145 33.7 27.3 40.9

