

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023429.D
 Acq On : 12 Nov 2021 09:08
 Operator : SY/MD
 Sample : M4542-07DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGF1DL

Quant Time: Nov 13 00:10:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 12 04:43:24 2021
 Response via : Initial Calibration

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

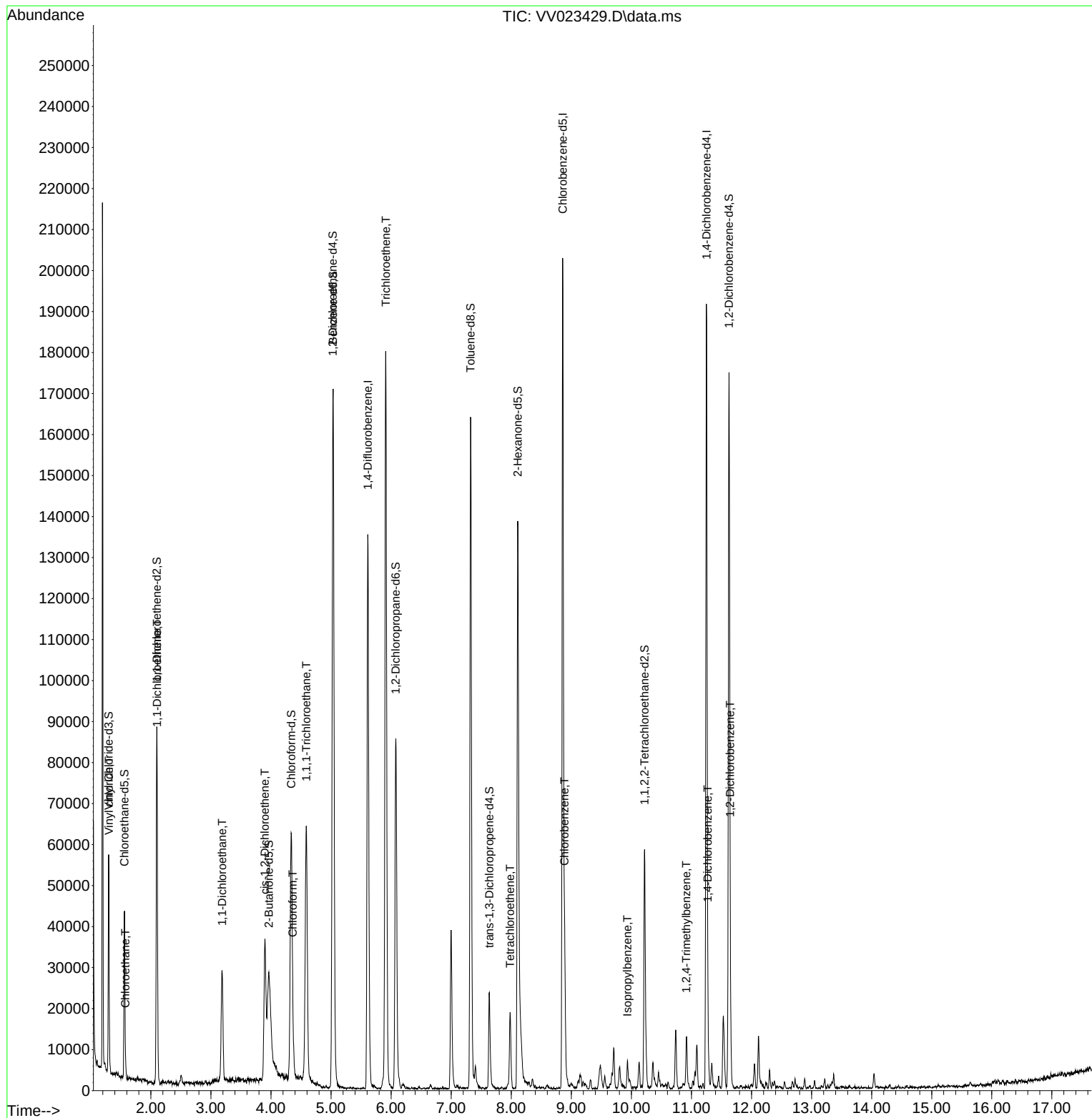
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	114369	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	110531	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50730	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	29026	4.051	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.561	69	24863	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.098	63	45041	3.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.963	46	68662	55.625	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.260%
24) Chloroform-d	4.336	84	58389	3.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	5.031	65	35151	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.034	84	139150	4.907	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.079	67	40738	4.880	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.323	98	107260	4.036	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	7.635	79	13072	4.129	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.108	63	45812	39.334	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.660%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	26747	4.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	43256	5.121	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.301	62	4426	0.467	ug/L	87
8) Chloroethane	1.577	64	1073	0.196	ug/L	92
12) 1,1-Dichloroethene	2.105	96	1099	0.161	ug/L #	1
19) 1,1-Dichloroethane	3.185	63	24631	1.740	ug/L	98
22) cis-1,2-Dichloroethene	3.899	96	17068	2.115	ug/L #	98
25) Chloroform	4.362	83	6083	0.403	ug/L	99
29) 1,1,1-Trichloroethane	4.587	97	48550	3.617	ug/L	98
34) Trichloroethene	5.912	95	62169	7.567	ug/L	98
47) Tetrachloroethene	7.982	164	4480	0.629	ug/L	94
51) Chlorobenzene	8.886	112	18937	0.862	ug/L	98
60) Isopropylbenzene	9.934	105	3754	0.129	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	6380	0.266	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	3345	0.220	ug/L	90
67) 1,2-Dichlorobenzene	11.644	146	6662	0.501	ug/L	98

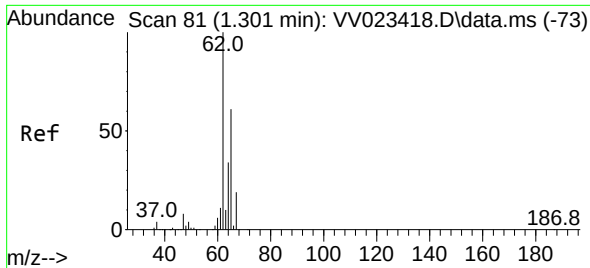
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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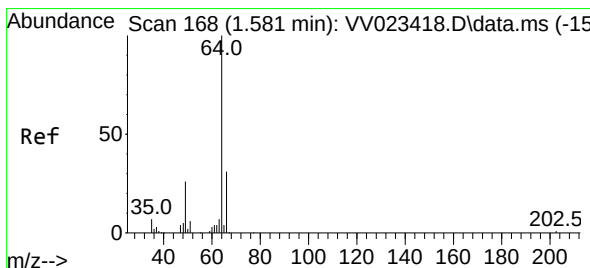
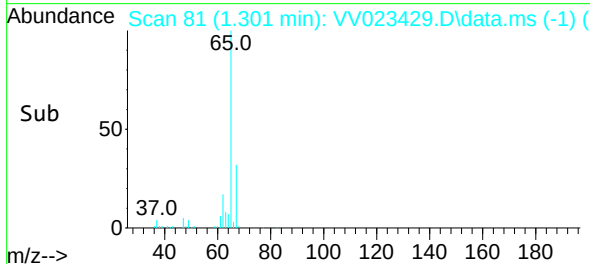
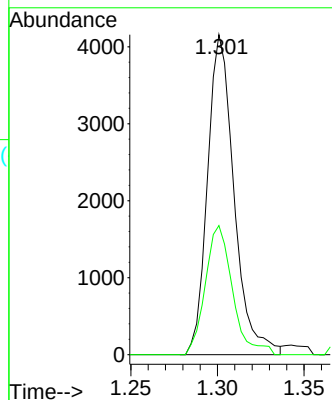
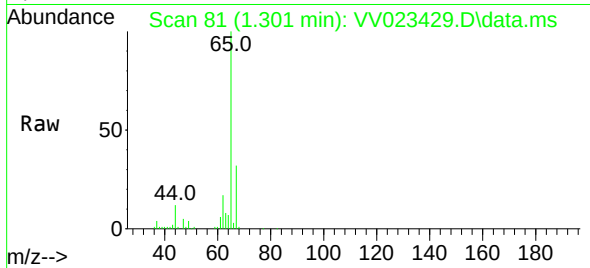




#5
 Vinyl chloride
 Concen: 0.467 ug/L
 RT: 1.301 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV023429.D
 Acq: 12 Nov 2021 09:08

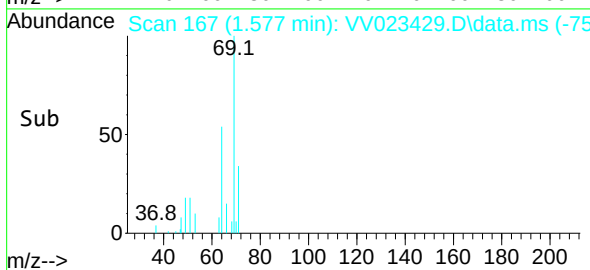
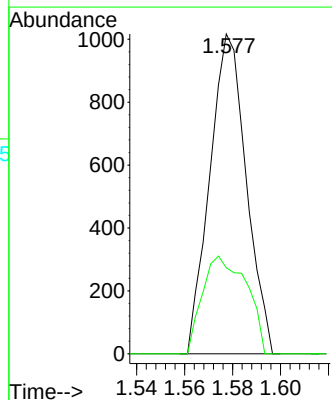
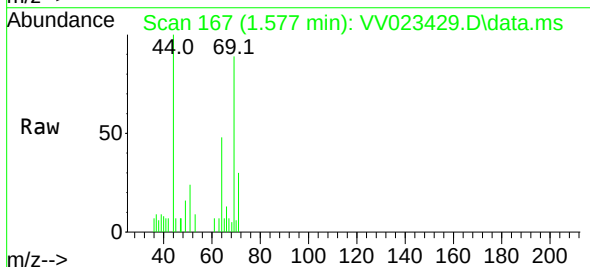
Instrument :
 MSVOA_V
 ClientSampleId :
 BGGF1DL

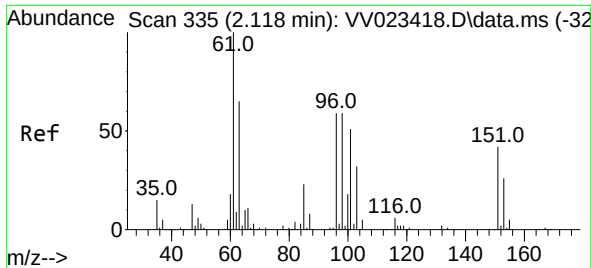
Tgt Ion: 62 Resp: 4426
 Ion Ratio Lower Upper
 62 100
 64 40.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.196 ug/L
 RT: 1.577 min Scan# 167
 Delta R.T. -0.003 min
 Lab File: VV023429.D
 Acq: 12 Nov 2021 09:08

Tgt Ion: 64 Resp: 1073
 Ion Ratio Lower Upper
 64 100
 66 26.9 22.1 41.1

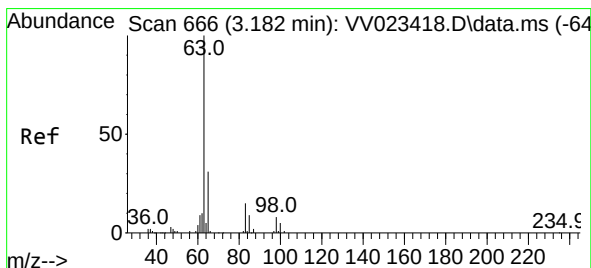
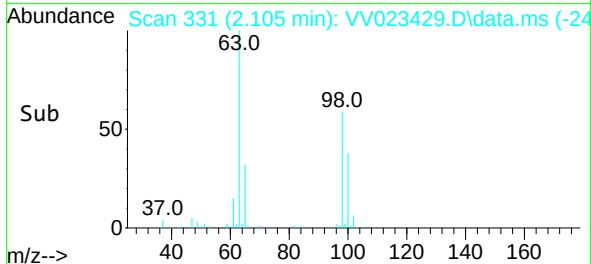
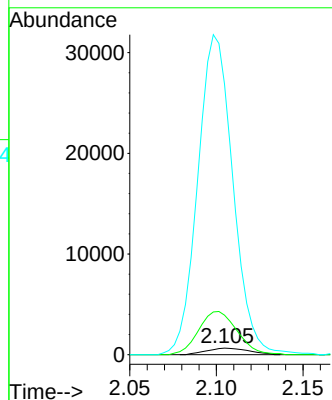
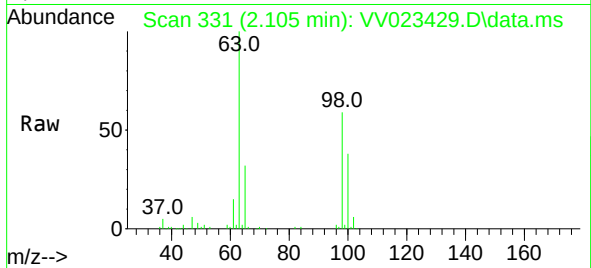




#12
1,1-Dichloroethene
Concen: 0.161 ug/L
RT: 2.105 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

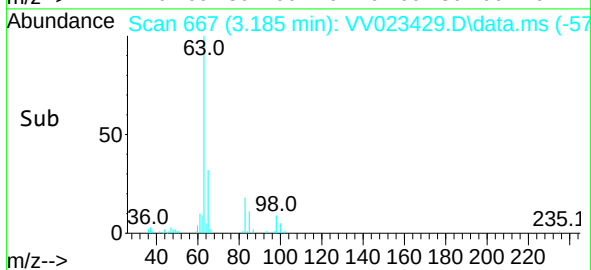
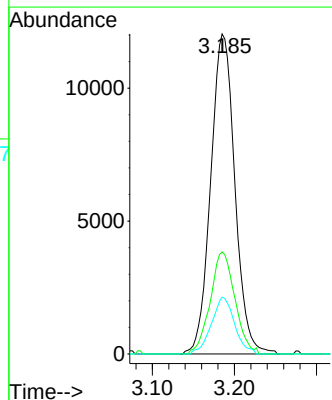
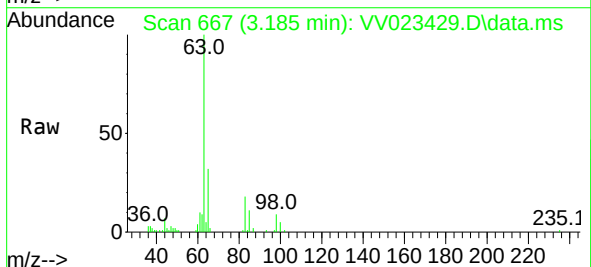
Instrument :
MSVOA_V
ClientSampleId :
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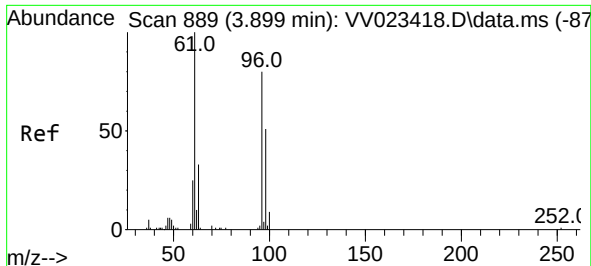
Tgt Ion: 96 Resp: 1099
Ion Ratio Lower Upper
96 100
61 599.5 121.5 225.7#
63 4102.6 99.6 185.0#



#19
1,1-Dichloroethane
Concen: 1.740 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

Tgt Ion: 63 Resp: 24631
Ion Ratio Lower Upper
63 100
65 31.9 22.6 42.0
83 17.7 11.1 20.7

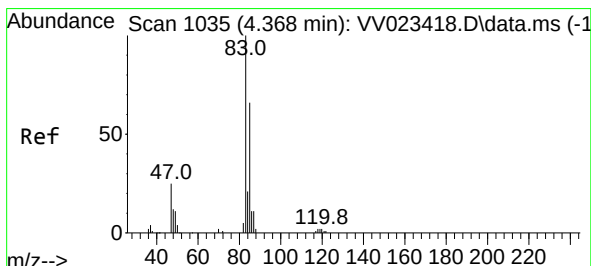
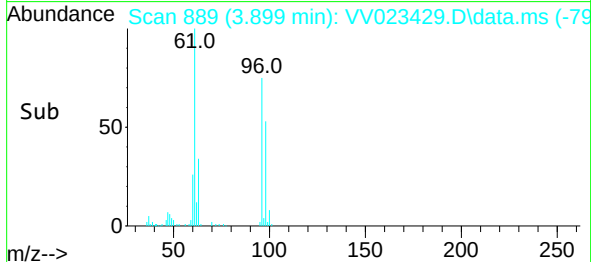
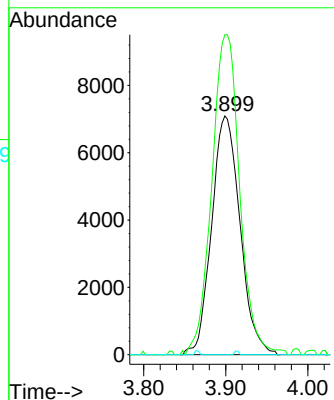
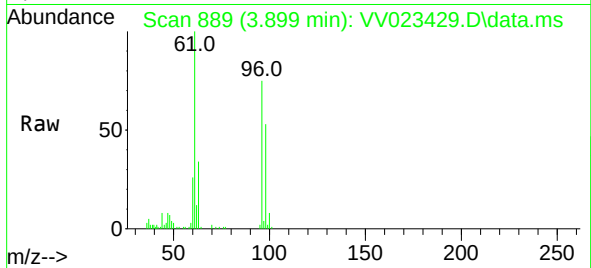




#22
 cis-1,2-Dichloroethene
 Concen: 2.115 ug/L
 RT: 3.899 min Scan# 889
 Delta R.T. -0.000 min
 Lab File: VV023429.D
 Acq: 12 Nov 2021 09:08

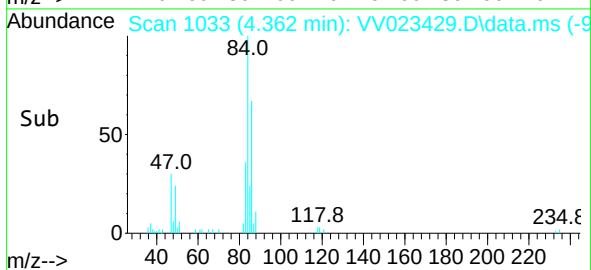
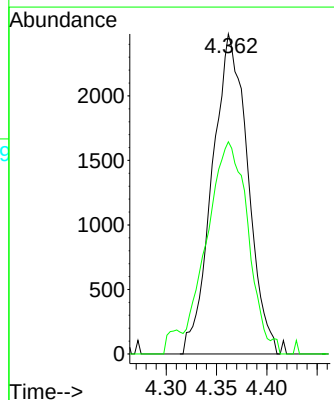
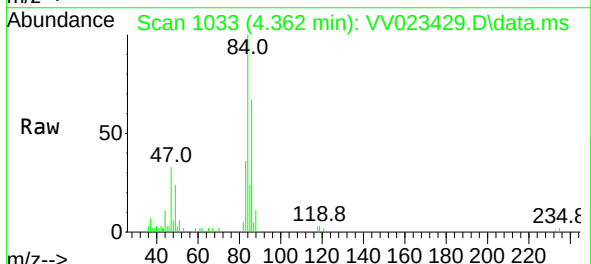
Instrument :
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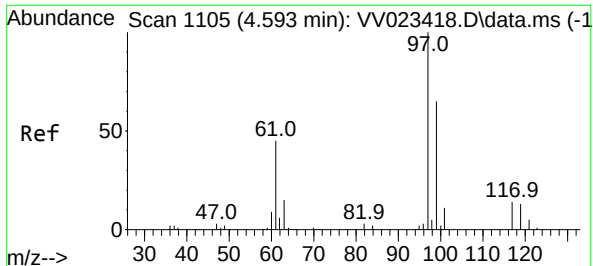
Tgt Ion: 96 Resp: 17068
 Ion Ratio Lower Upper
 96 100
 61 134.1 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.403 ug/L
 RT: 4.362 min Scan# 1033
 Delta R.T. -0.006 min
 Lab File: VV023429.D
 Acq: 12 Nov 2021 09:08

Tgt Ion: 83 Resp: 6083
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 3.617 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV023429.D

Acq: 12 Nov 2021 09:08

Instrument :

MSVOA_V

ClientSampleId :

BGGF1DL

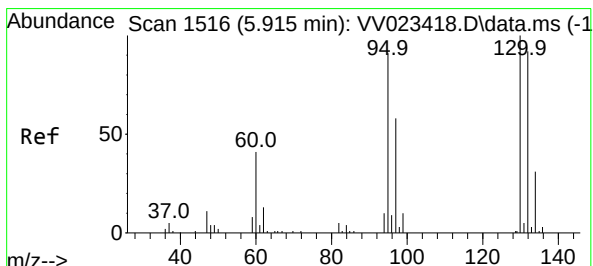
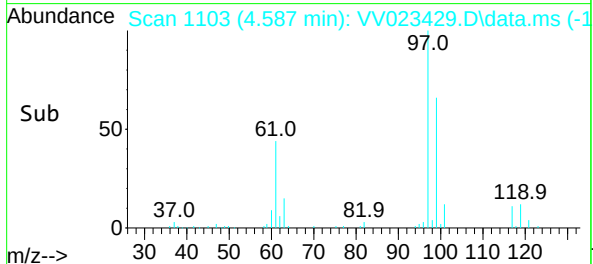
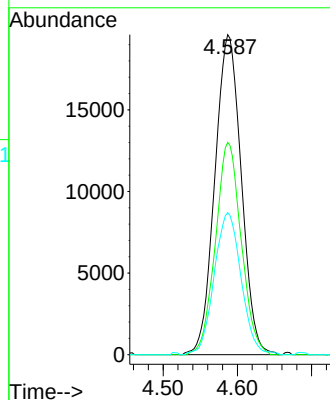
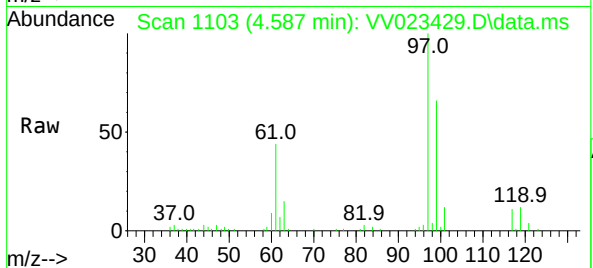
Tgt Ion: 97 Resp: 48550

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 45.1 34.1 51.1



#34

Trichloroethene

Concen: 7.567 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV023429.D

Acq: 12 Nov 2021 09:08

Tgt Ion: 95 Resp: 62169

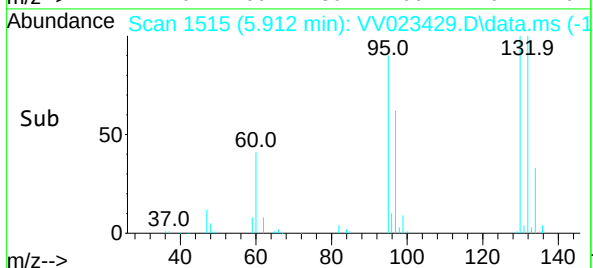
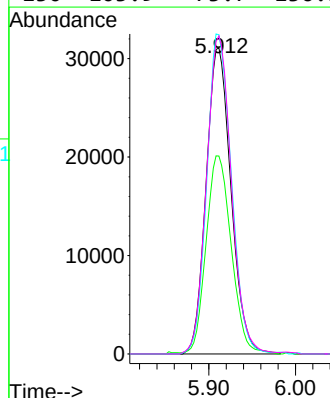
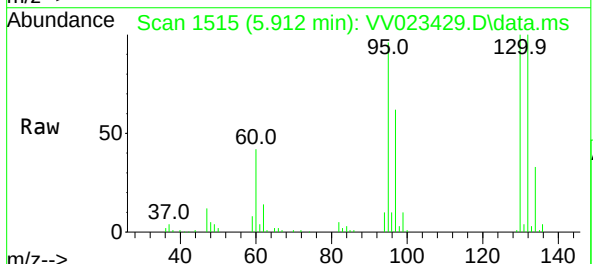
Ion Ratio Lower Upper

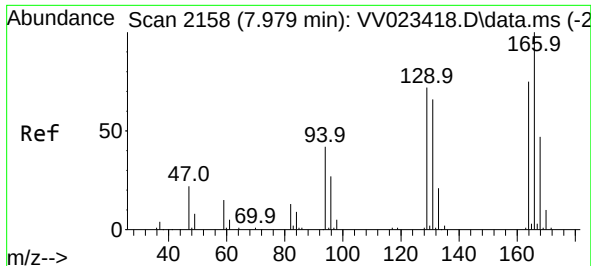
95 100

97 64.7 45.0 83.6

132 104.3 69.7 129.4

130 103.9 73.7 136.9





#47

Tetrachloroethene

Concen: 0.629 ug/L

RT: 7.982 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV023429.D

Acq: 12 Nov 2021 09:08

Instrument :

MSVOA_V

ClientSampleId :

BGGF1DL

Tgt Ion:164 Resp: 4480

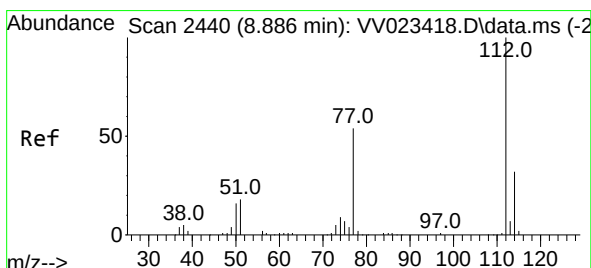
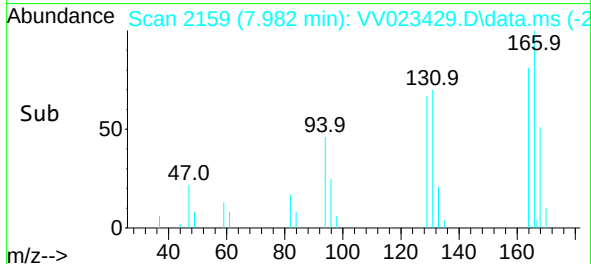
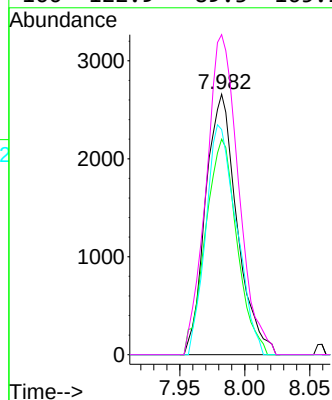
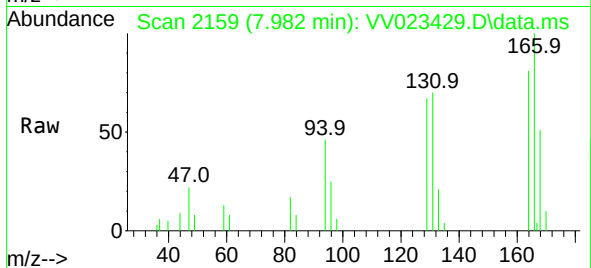
Ion Ratio Lower Upper

164 100

129 82.8 64.0 119.0

131 86.5 63.4 117.8

166 122.9 89.3 165.9



#51

Chlorobenzene

Concen: 0.862 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. -0.000 min

Lab File: VV023429.D

Acq: 12 Nov 2021 09:08

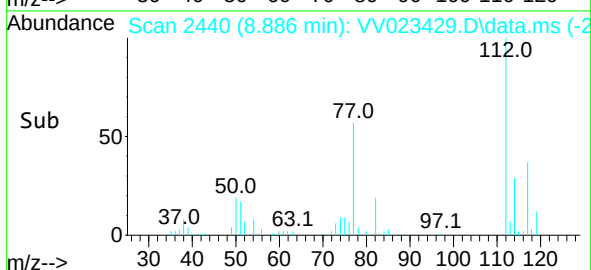
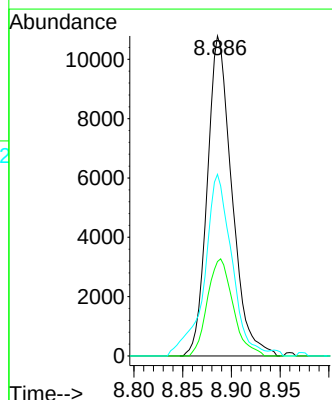
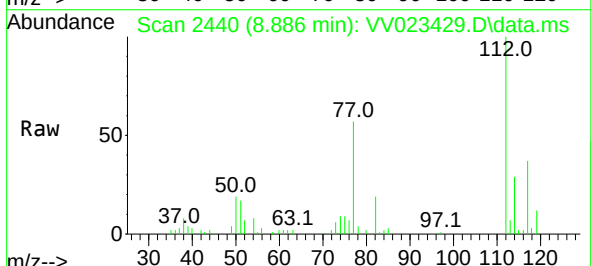
Tgt Ion:112 Resp: 18937

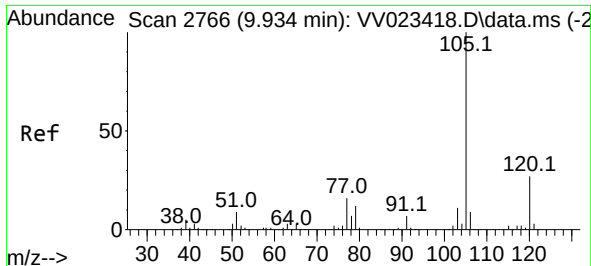
Ion Ratio Lower Upper

112 100

114 29.5 22.0 40.8

77 56.8 44.4 66.6

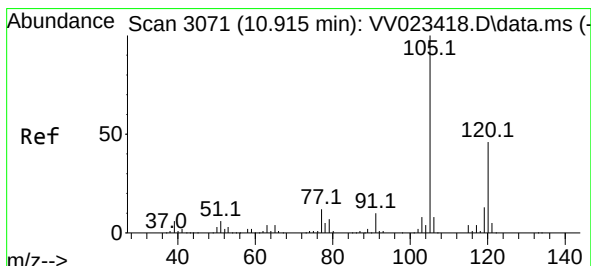
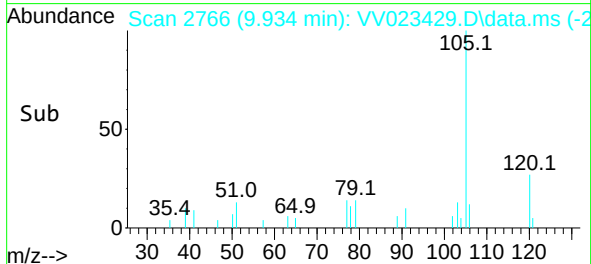
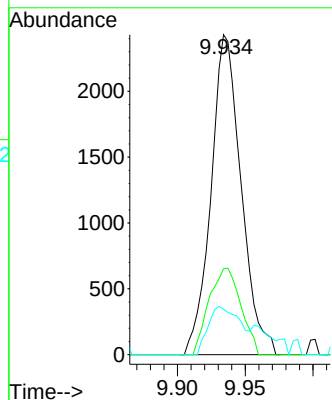
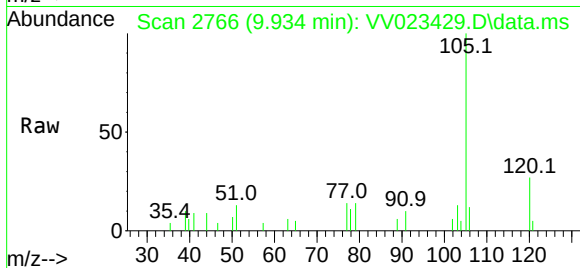




#60
Isopropylbenzene
Concen: 0.129 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

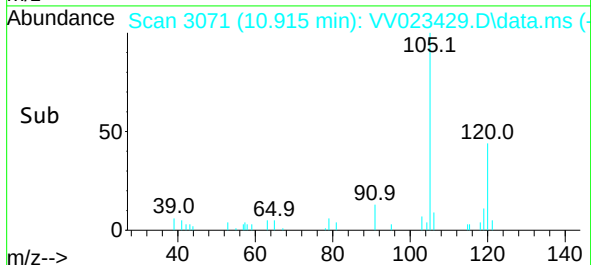
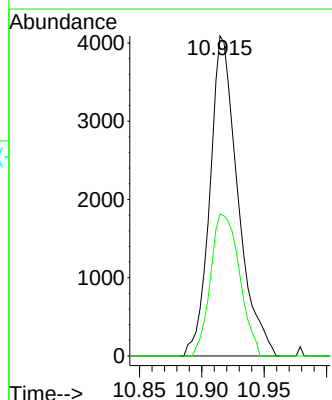
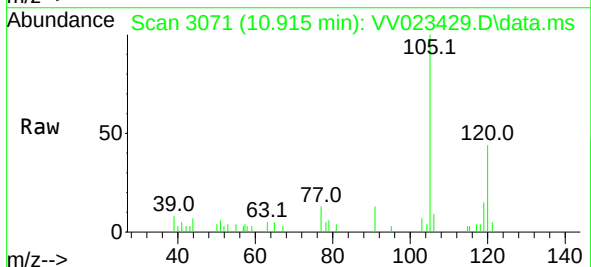
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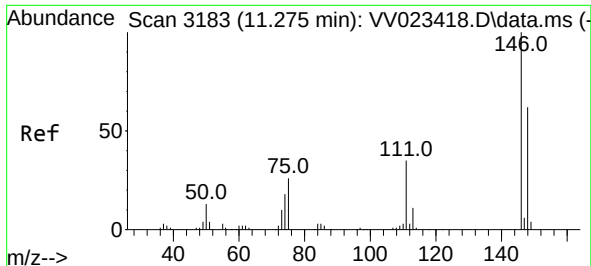
Tgt Ion:105 Resp: 3754
Ion Ratio Lower Upper
105 100
120 28.5 21.7 32.5
77 16.1 12.6 19.0



#63
1,2,4-Trimethylbenzene
Concen: 0.266 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

Tgt Ion:105 Resp: 6380
Ion Ratio Lower Upper
105 100
120 46.1 37.4 56.2

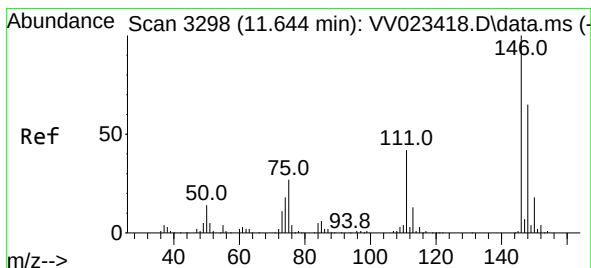
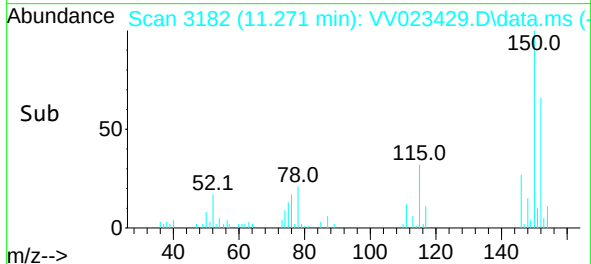
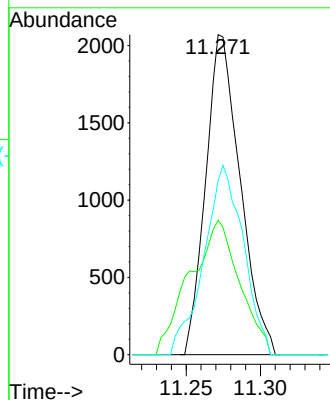
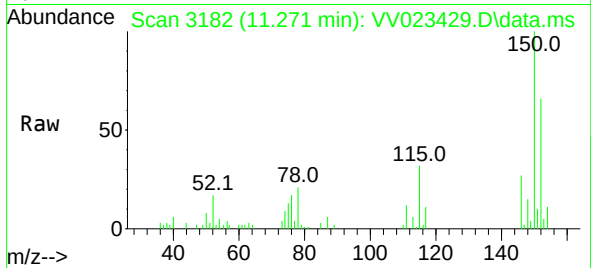




#65
1,4-Dichlorobenzene
Concen: 0.220 ug/L
RT: 11.271 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

Instrument :
MSVOA_V
ClientSampleId :
BGGF1DL

Tgt Ion:146	Resp:	3345
Ion Ratio	Lower	Upper
146	100	
111	42.0	26.2 48.8
148	54.4	44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 0.501 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV023429.D
Acq: 12 Nov 2021 09:08

Tgt Ion:146	Resp:	6662
Ion Ratio	Lower	Upper
146	100	
111	39.4	31.6 47.4
148	61.7	51.0 76.6

