

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023045.D
 Acq On : 26 Oct 2021 18:03
 Operator : SY/MD
 Sample : M4277-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA7

Quant Time: Oct 27 01:34:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

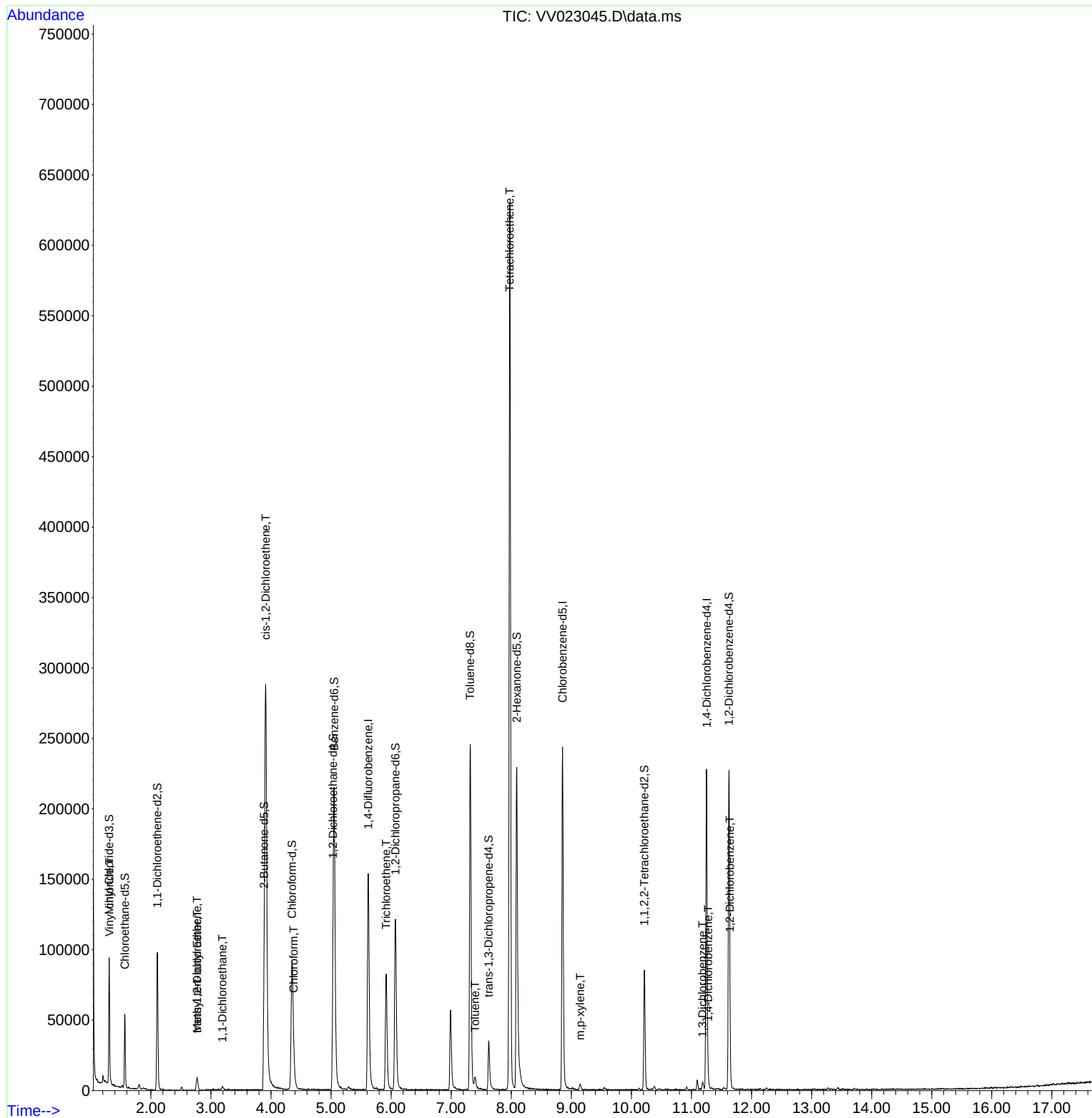
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	136530	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	138566	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	60615	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51995	4.358	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.568	69	31006	4.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.108	63	50320	2.924	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.400%#
20) 2-Butanone-d5	3.886	46	111127	58.067	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.140%
24) Chloroform-d	4.349	84	92780	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.034	65	46482	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.053	84	197469	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.072	67	61725	4.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.317	98	164291	4.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	7.625	79	19722	4.520	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.091	63	77213	47.796	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41720	4.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	60209	5.567	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.400%
Target Compounds						
5) Vinyl chloride	1.310	62	2761	0.286	ug/L #	62
17) Methyl tert-butyl Ether	2.770	73	6734	0.404	ug/L	97
18) trans-1,2-Dichloroethene	2.770	96	669	0.090	ug/L	83
19) 1,1-Dichloroethane	3.191	63	2266	0.165	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	152420	18.015	ug/L #	90
25) Chloroform	4.378	83	12667	0.699	ug/L	98
34) Trichloroethene	5.918	95	27613	2.948	ug/L	95
42) Toluene	7.397	91	6471	0.171	ug/L	97
47) Tetrachloroethene	7.976	164	143380	18.117	ug/L	98
53) m,p-xylene	9.146	106	1507	0.100	ug/L	75
64) 1,3-Dichlorobenzene	11.185	146	2514	0.156	ug/L	93
65) 1,4-Dichlorobenzene	11.278	146	2046	0.125	ug/L	91
67) 1,2-Dichlorobenzene	11.641	146	2276	0.152	ug/L #	91

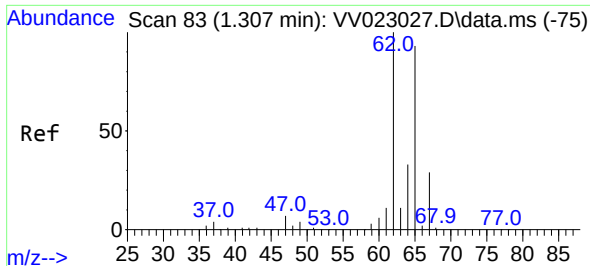
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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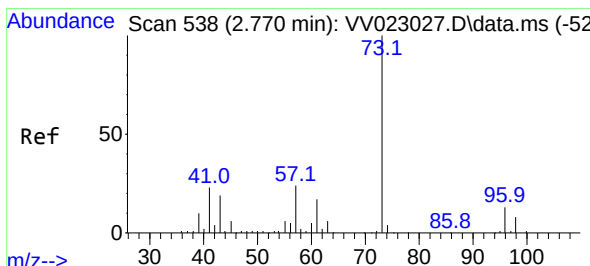
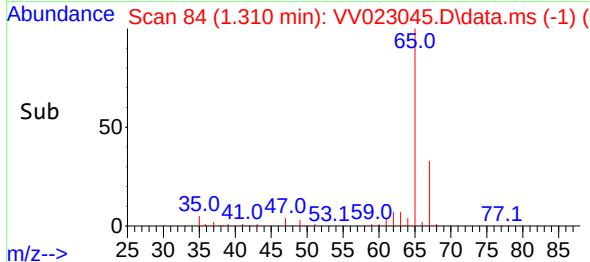
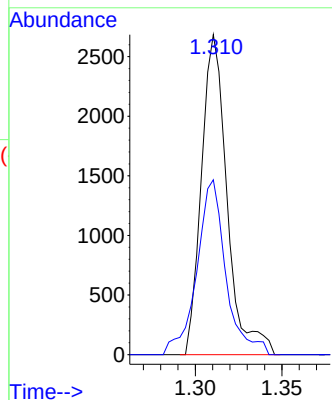
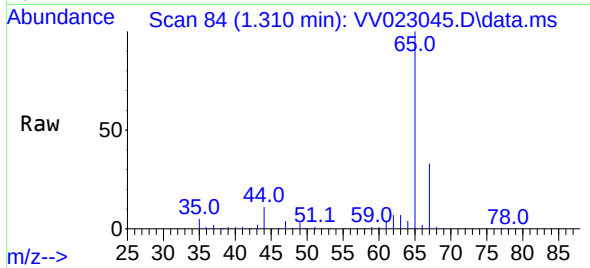




#5
 Vinyl chloride
 Concen: 0.286 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

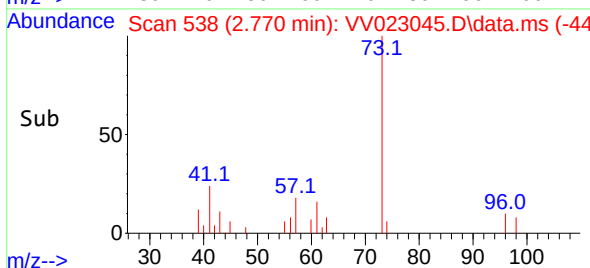
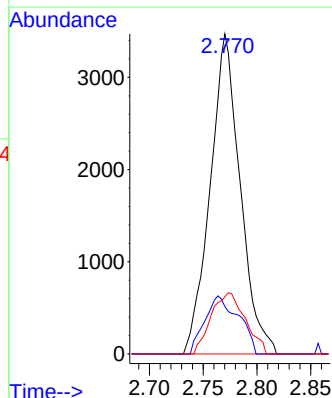
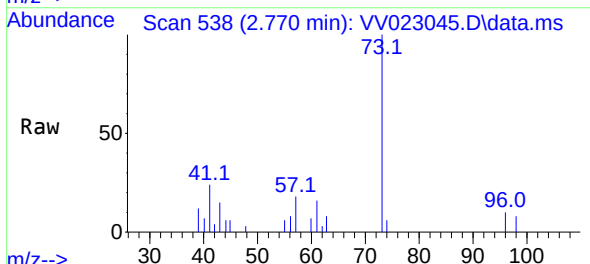
Instrument :
 MSVOA_V
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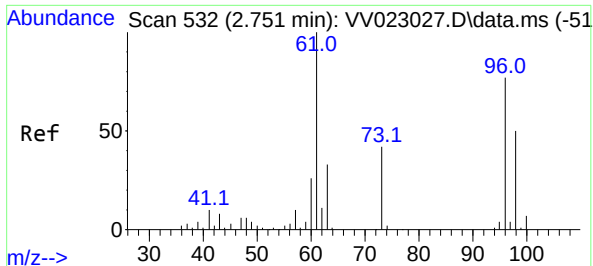
Tgt Ion: 62 Resp: 2761
 Ion Ratio Lower Upper
 62 100
 64 54.6 23.1 42.9#



#17
 Methyl tert-butyl Ether
 Concen: 0.404 ug/L
 RT: 2.770 min Scan# 538
 Delta R.T. -0.000 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Tgt Ion: 73 Resp: 6734
 Ion Ratio Lower Upper
 73 100
 43 20.3 17.4 26.0
 57 21.8 16.5 24.7

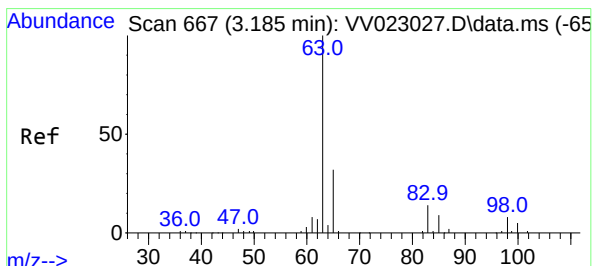
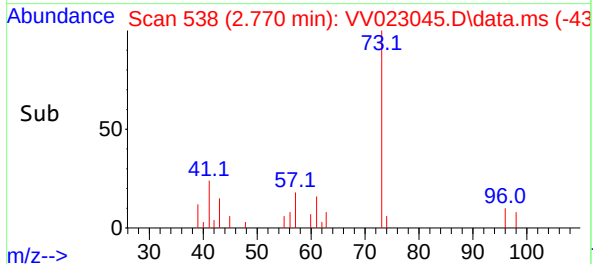
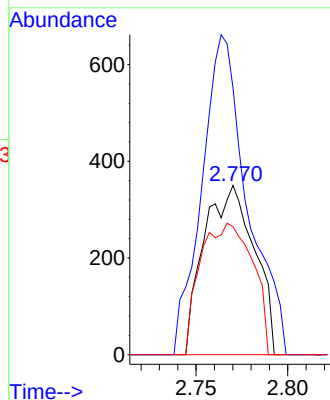
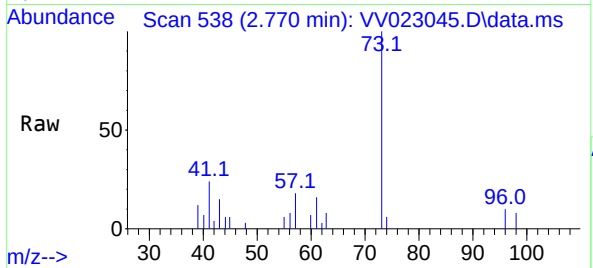




#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.019 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

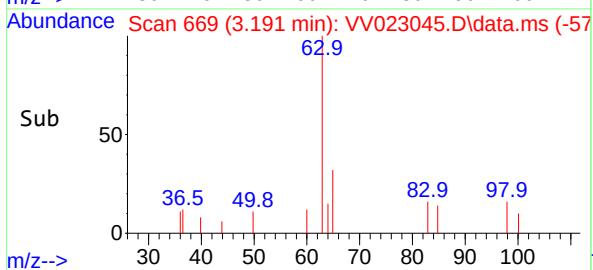
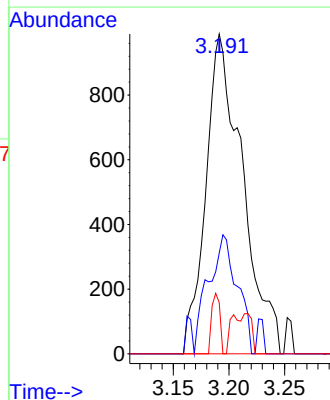
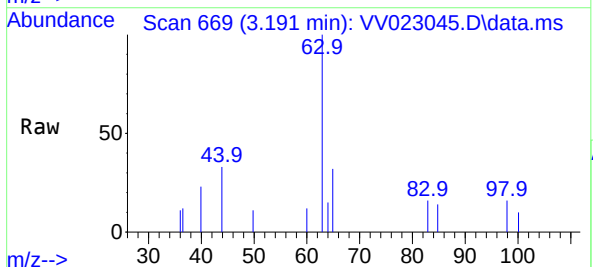
Instrument :
MSVOA_V
ClientSampleId :
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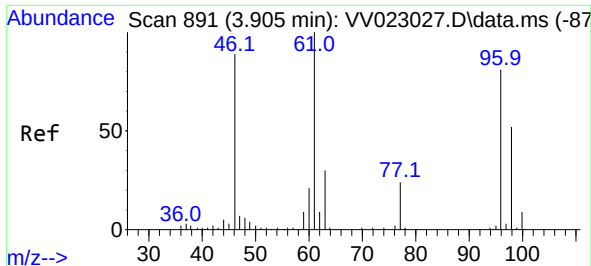
Tgt Ion: 96 Resp: 669
Ion Ratio Lower Upper
96 100
61 157.7 93.2 173.2
98 75.7 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.165 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 63 Resp: 2266
Ion Ratio Lower Upper
63 100
65 31.5 22.6 42.0
83 16.0 11.1 20.7

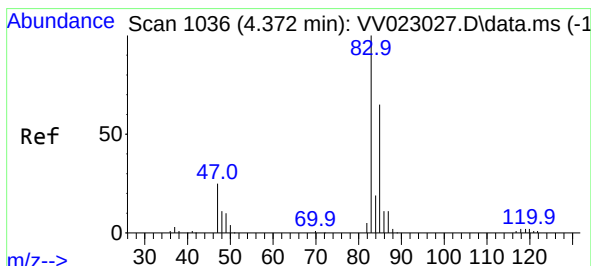
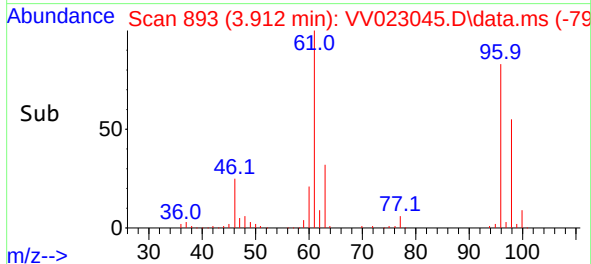
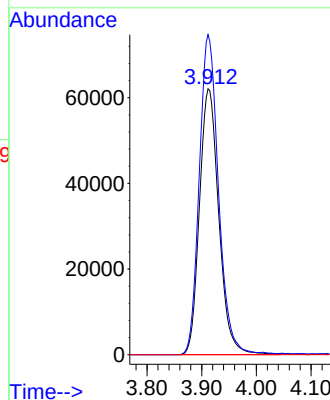
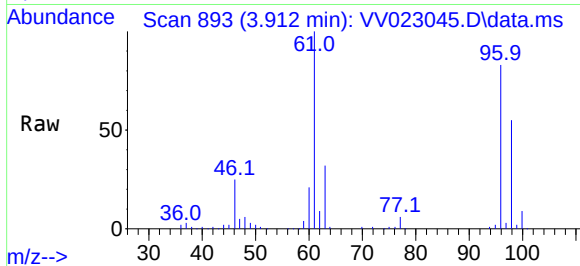




#22
 cis-1,2-Dichloroethene
 Concen: 18.015 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

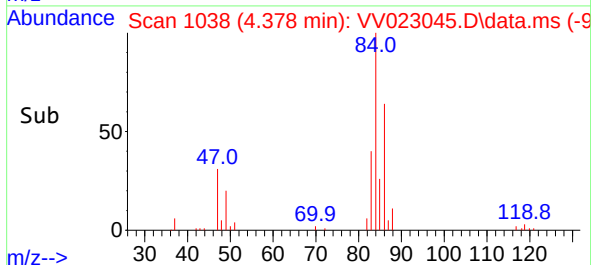
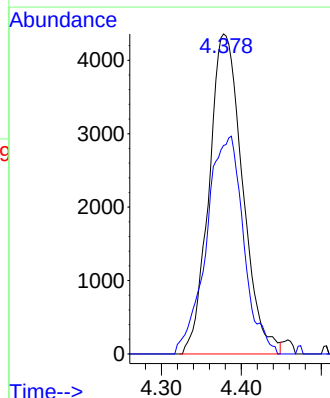
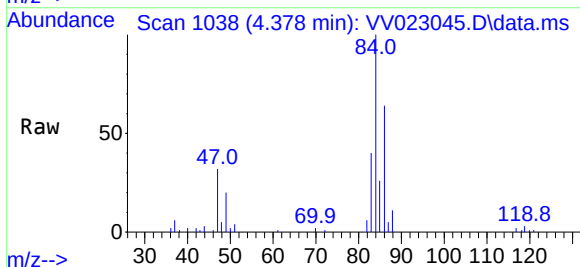
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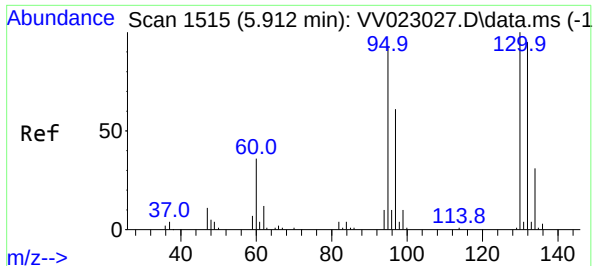
Tgt Ion: 96 Resp: 152420
 Ion Ratio Lower Upper
 96 100
 61 120.3 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.699 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Tgt Ion: 83 Resp: 12667
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.8 86.8

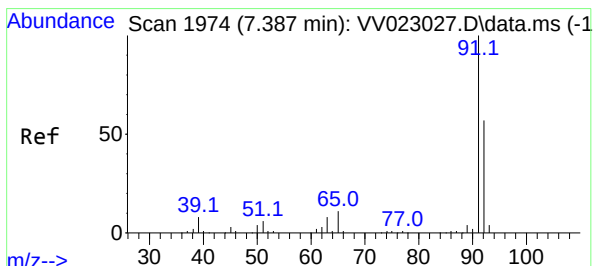
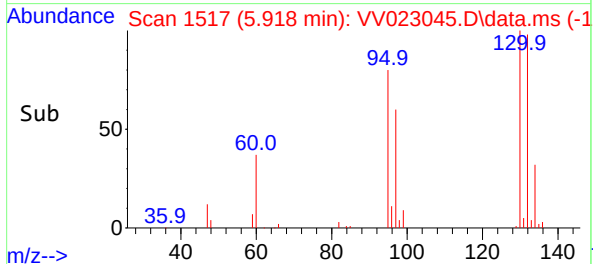
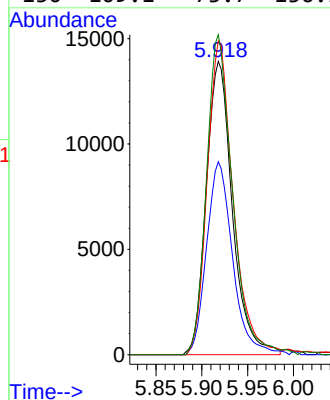
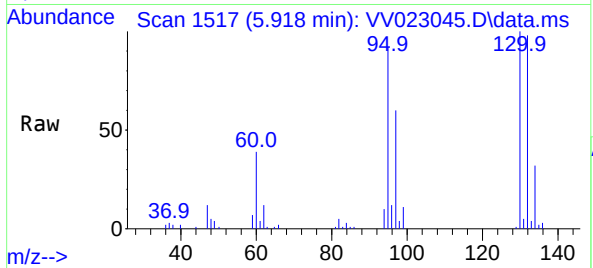




#34
 Trichloroethene
 Concen: 2.948 ug/L
 RT: 5.918 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

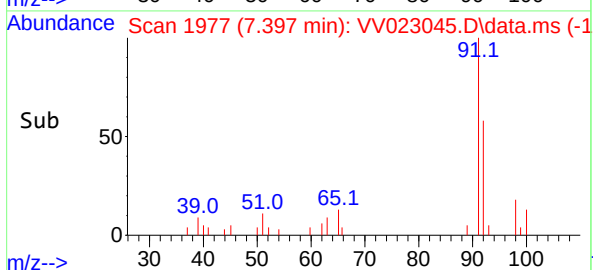
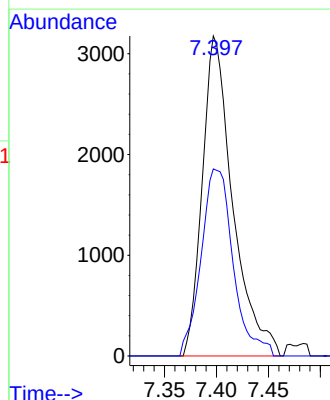
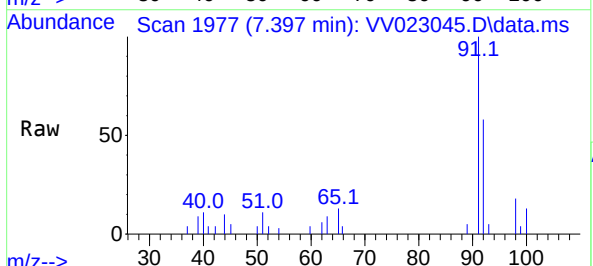
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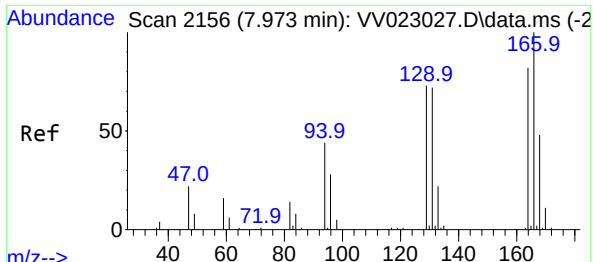
Tgt Ion: 95 Resp: 27613
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.0 83.6
 132 107.0 69.7 129.4
 130 109.1 73.7 136.9



#42
 Toluene
 Concen: 0.171 ug/L
 RT: 7.397 min Scan# 1977
 Delta R.T. 0.009 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Tgt Ion: 91 Resp: 6471
 Ion Ratio Lower Upper
 91 100
 92 58.5 39.3 72.9

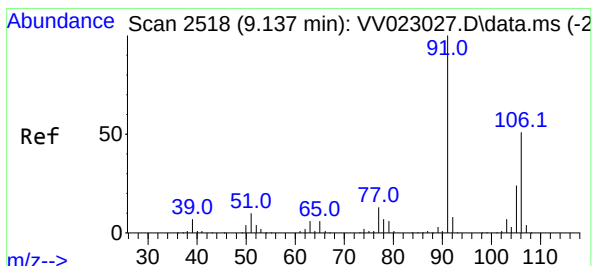
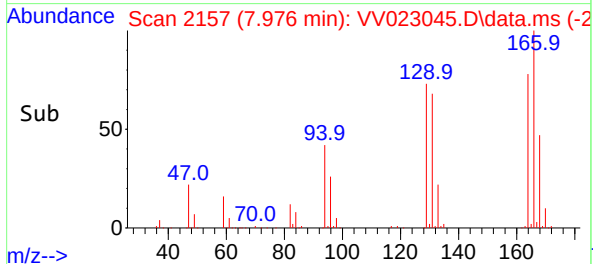
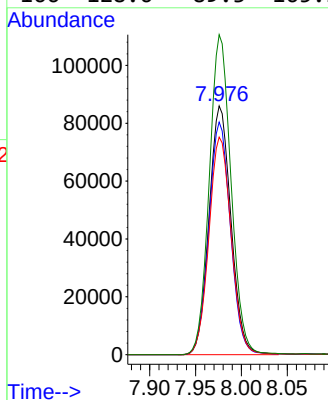
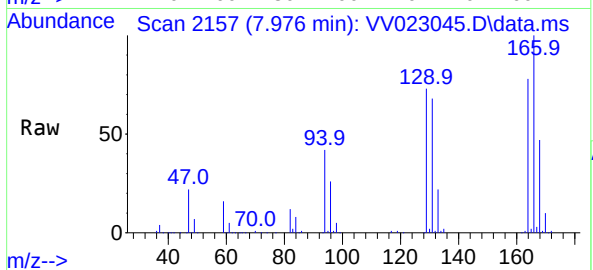




#47
Tetrachloroethene
Concen: 18.117 ug/L
RT: 7.976 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

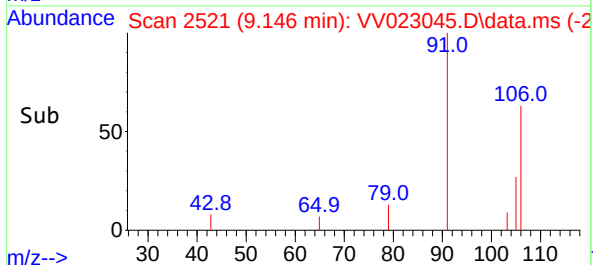
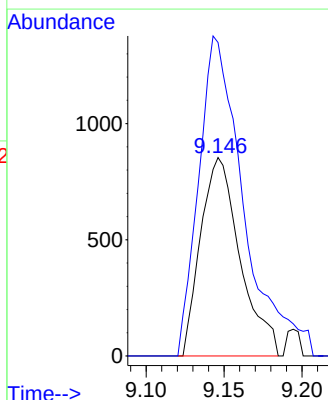
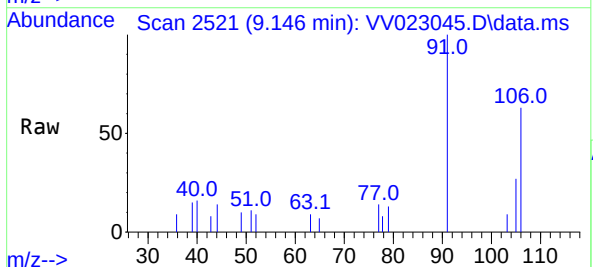
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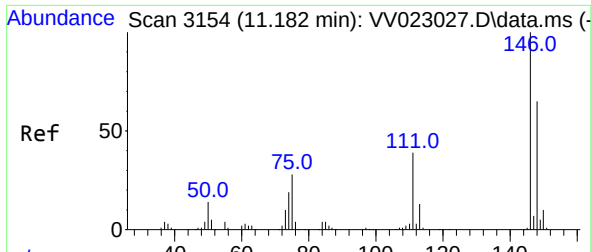
Tgt Ion:164 Resp: 143380
Ion Ratio Lower Upper
164 100
129 93.5 64.0 119.0
131 87.5 63.4 117.8
166 128.6 89.3 165.9



#53
m,p-xylene
Concen: 0.100 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.009 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion:106 Resp: 1507
Ion Ratio Lower Upper
106 100
91 158.0 137.2 254.8





#64

1,3-Dichlorobenzene

Concen: 0.156 ug/L

RT: 11.185 min Scan# 3154

Delta R.T. 0.003 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

BFGA7

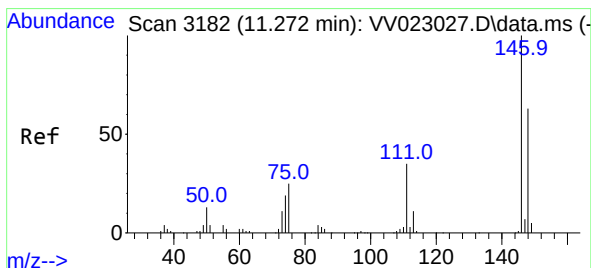
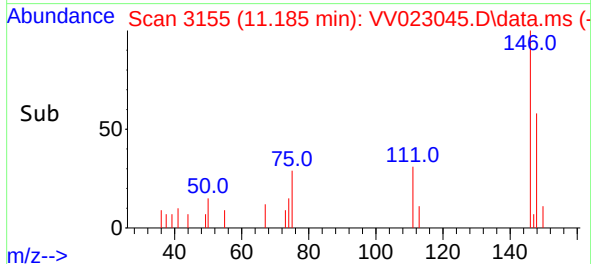
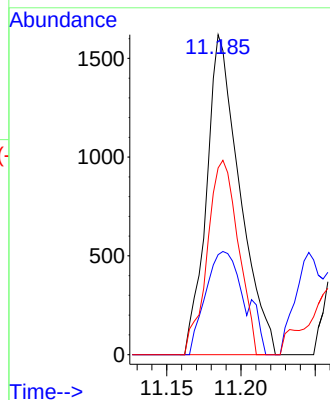
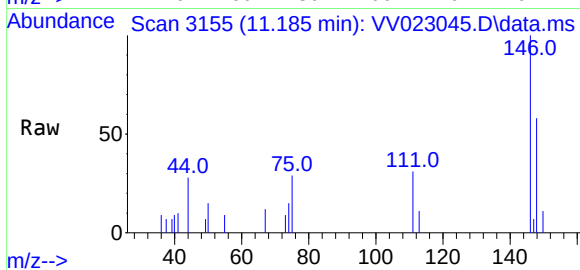
Tgt Ion:146 Resp: 2514

Ion Ratio Lower Upper

146 100

111 31.2 26.7 49.7

148 58.3 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 0.125 ug/L

RT: 11.278 min Scan# 3184

Delta R.T. 0.006 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

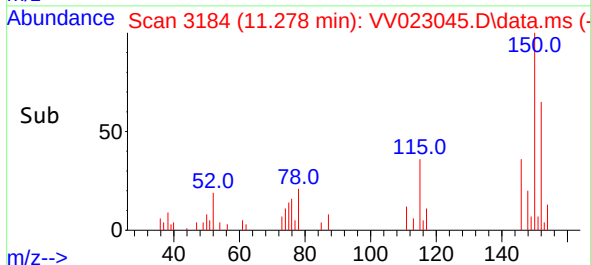
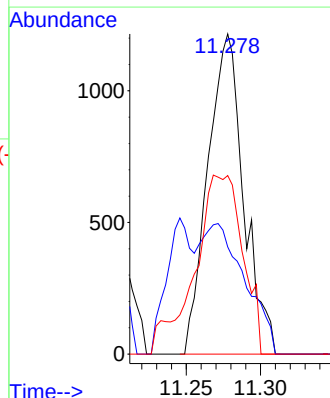
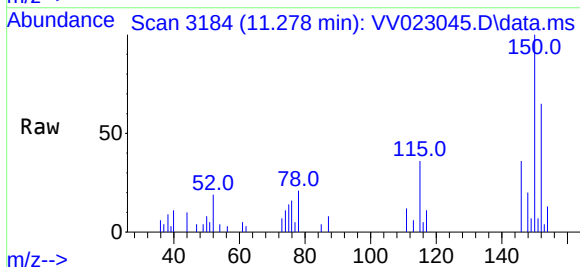
Tgt Ion:146 Resp: 2046

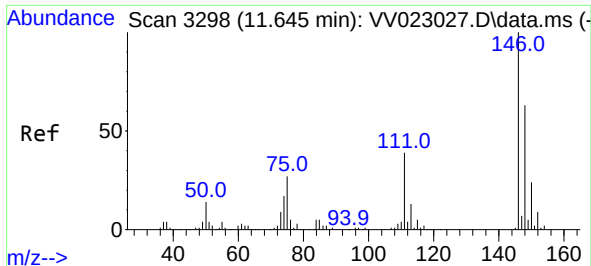
Ion Ratio Lower Upper

146 100

111 33.5 26.2 48.8

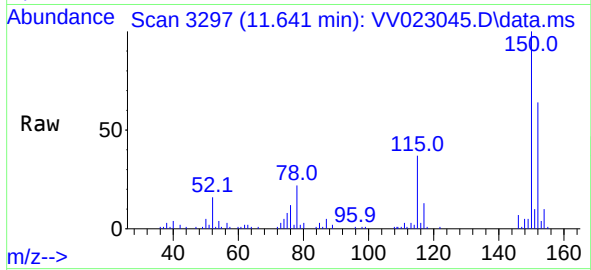
148 55.8 44.4 82.5





#67
 1,2-Dichlorobenzene
 Concen: 0.152 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA7



Tgt Ion:146 Resp: 2276

Ion	Ratio	Lower	Upper
146	100		
111	49.8	31.6	47.4#
148	66.5	51.0	76.6

