

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111122\
 Data File : VV028891.D
 Acq On : 11 Nov 2022 21:38
 Operator : SY/MD
 Sample : N5592-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB8

Quant Time: Nov 12 02:58:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 11 22:27:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	298464	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	274557	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	131675	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88507	4.864	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.200%
7) Chloroethane-d5	1.568	69	79765	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.108	63	130975	3.950	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	3.886	46	186311	61.168	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.340%
24) Chloroform-d	4.342	84	190560	5.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.031	65	88599	5.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.047	84	403905	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.066	67	119641	5.228	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.313	98	362809	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	7.622	79	34626	4.639	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.085	63	167822	52.678	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.360%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	80972	5.104	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	120205	5.103	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%

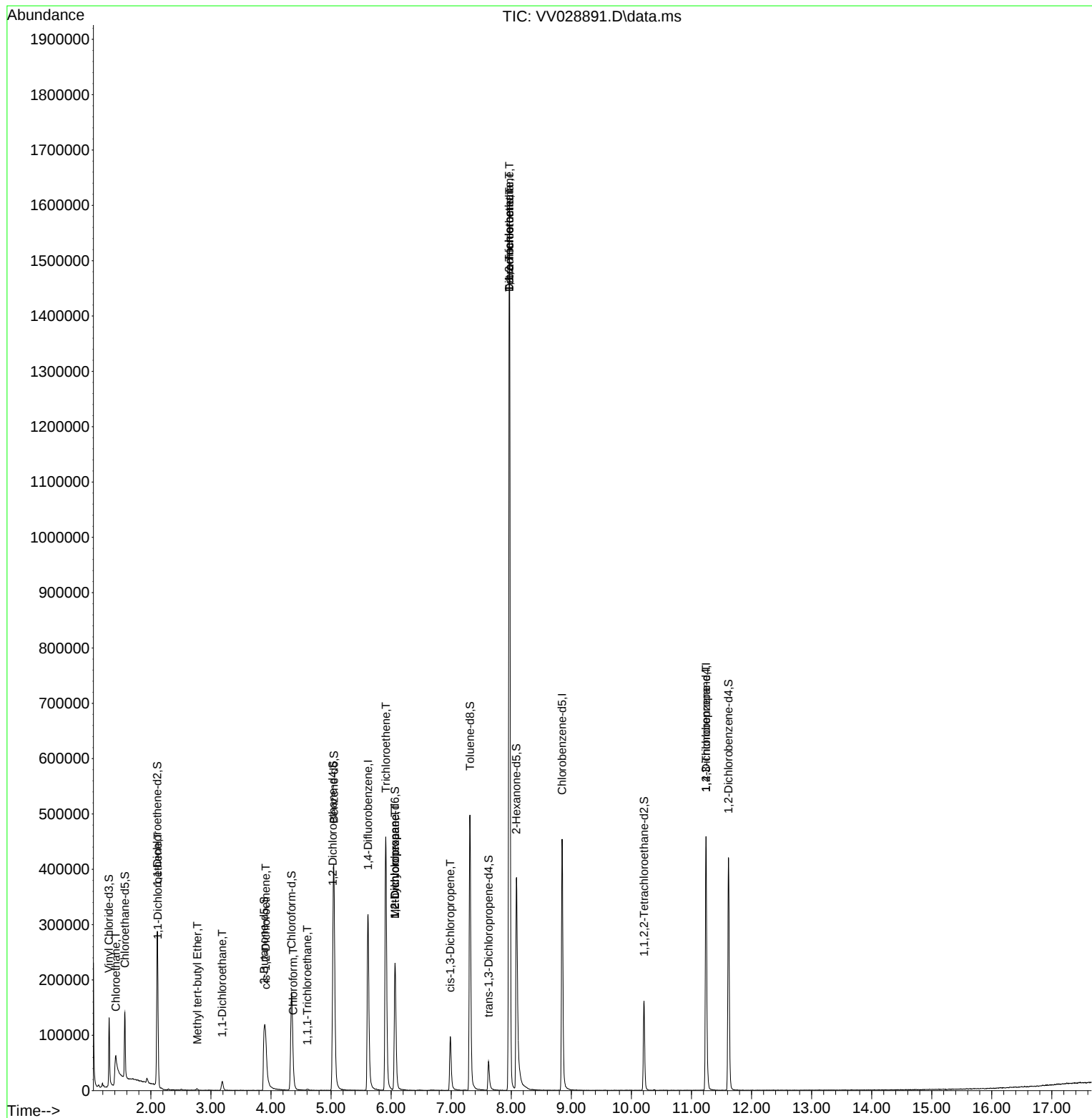
Target Compounds				Qvalue		
8) Chloroethane	1.417	64	133277	9.629	ug/L #	51
12) 1,1-Dichloroethene	2.117	96	22384	1.239	ug/L #	3
17) Methyl tert-butyl Ether	2.773	73	2287	0.059	ug/L #	90
19) 1,1-Dichloroethane	3.188	63	17025	0.497	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	31336	1.471	ug/L	99
25) Chloroform	4.371	83	6089	0.170	ug/L	90
29) 1,1,1-Trichloroethane	4.603	97	1406	0.044	ug/L #	65
34) Trichloroethene	5.912	95	166328	7.744	ug/L	98
35) Methylcyclohexane	6.066	83	29316	0.777	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	12651	0.654	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2299	0.085	ug/L #	48
45) 1,1,2-Trichloroethane	7.966	97	2985	0.236	ug/L #	1
47) Tetrachloroethene	7.969	164	368774	21.442	ug/L	99
49) Dibromochloromethane	7.969	129	333936	21.808	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	13786	1.532	ug/L #	65

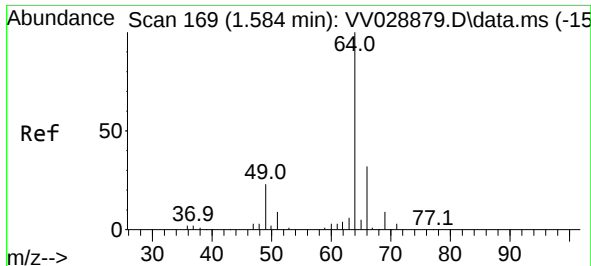
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 11 22:27:09 2022
Response via : Initial Calibration





#8

Chloroethane

Concen: 9.629 ug/L

RT: 1.417 min Scan# 117

Delta R.T. -0.167 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Instrument :

MSVOA_V

ClientSampleId :

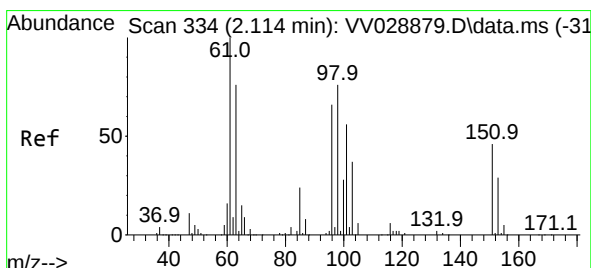
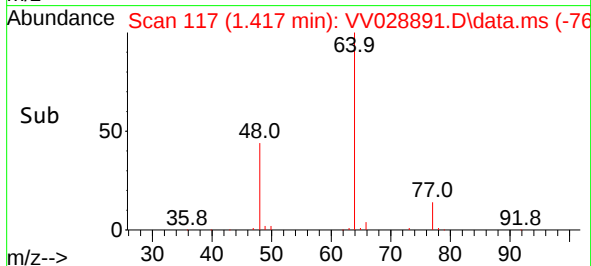
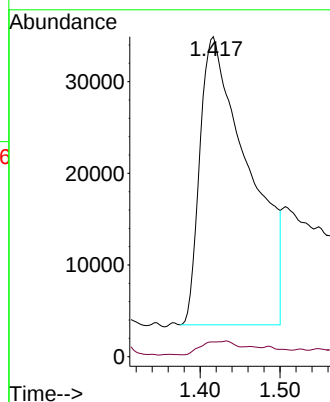
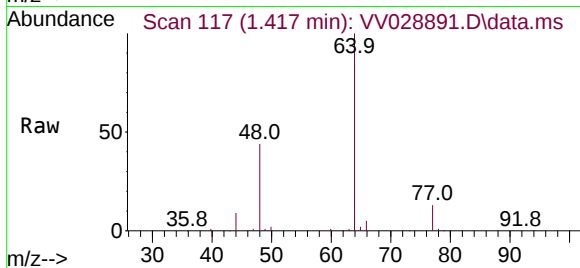
H0AB8

Tgt Ion: 64 Resp: 133277

Ion Ratio Lower Upper

64 100

66 4.6 22.0 40.8#



#12

1,1-Dichloroethene

Concen: 1.239 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

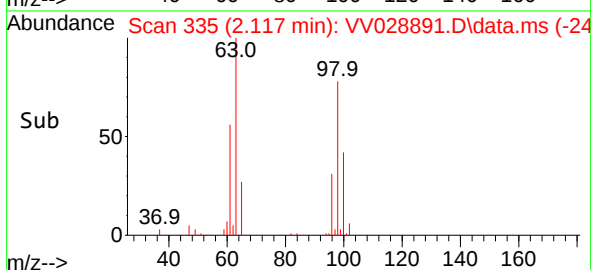
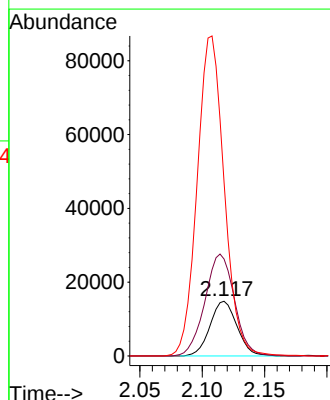
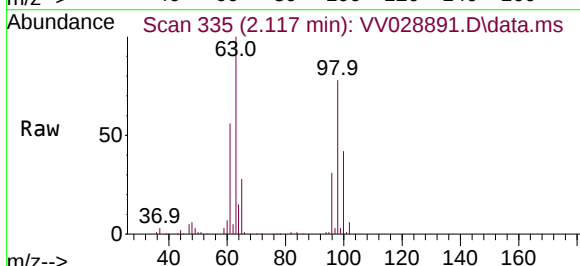
Tgt Ion: 96 Resp: 22384

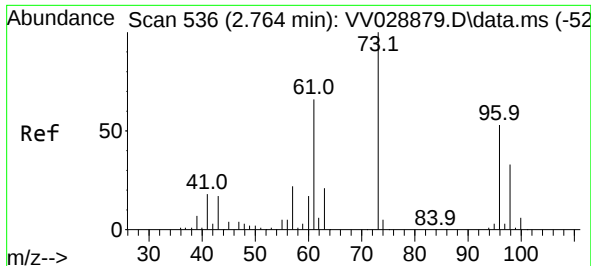
Ion Ratio Lower Upper

96 100

61 177.3 104.2 193.4

63 318.0 75.9 140.9#

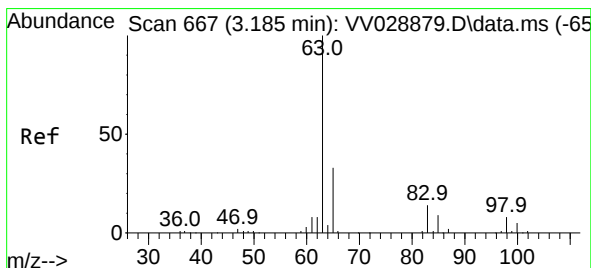
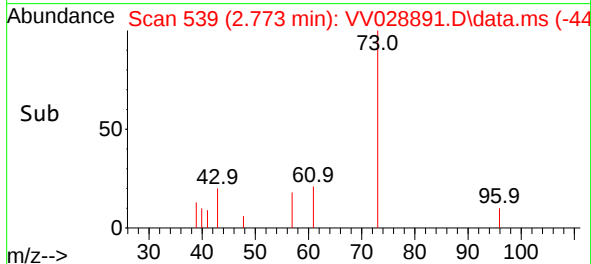
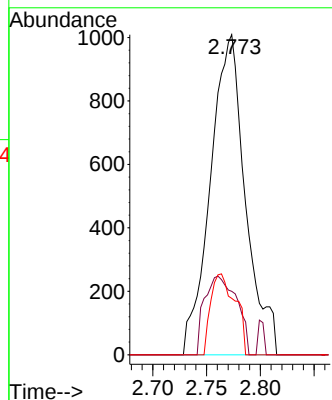
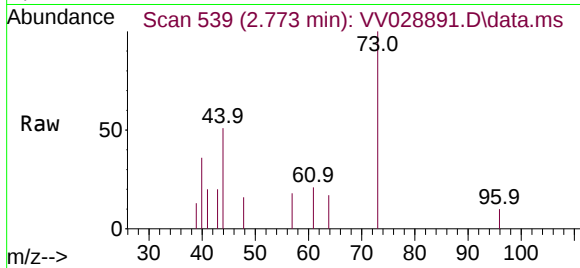




#17
Methyl tert-butyl Ether
Concen: 0.059 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

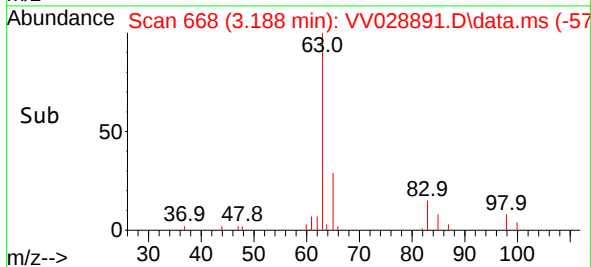
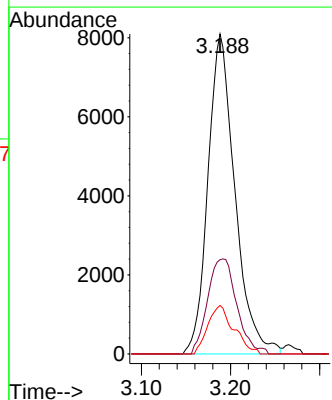
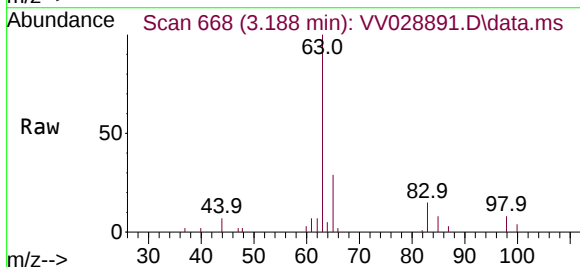
Instrument :
MSVOA_V
ClientSampleId :
H0AB8

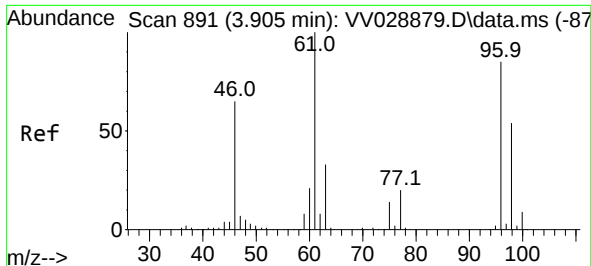
Tgt Ion: 73 Resp: 2287
Ion Ratio Lower Upper
73 100
43 22.5 13.0 19.4#
57 17.6 16.6 24.8



#19
1,1-Dichloroethane
Concen: 0.497 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

Tgt Ion: 63 Resp: 17025
Ion Ratio Lower Upper
63 100
65 29.4 23.0 42.6
83 15.1 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 1.471 ug/L

RT: 3.912 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Instrument :

MSVOA_V

ClientSampleId :

H0AB8

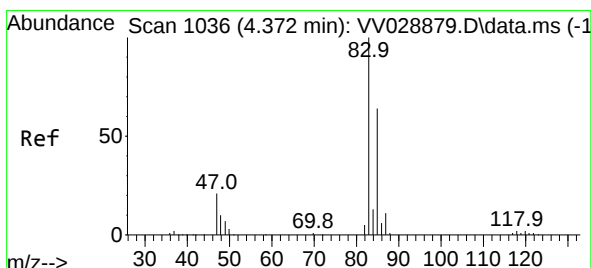
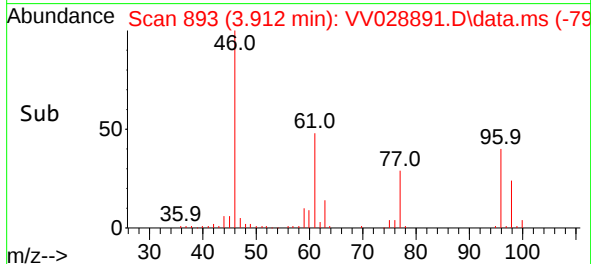
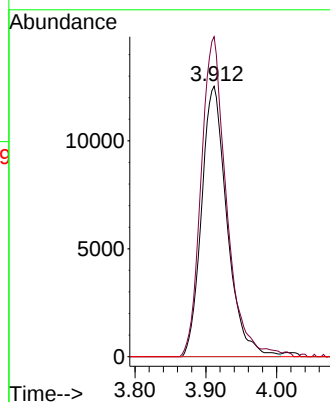
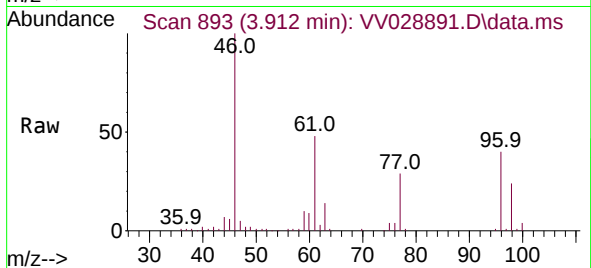
Tgt Ion: 96 Resp: 31336

Ion Ratio Lower Upper

96 100

61 118.3 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.170 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV028891.D

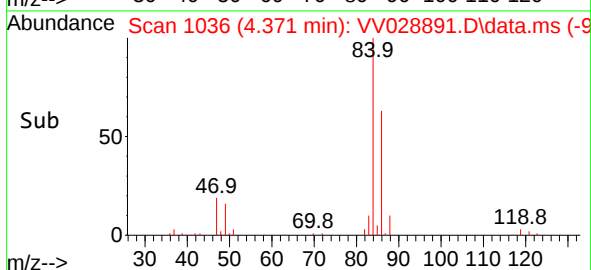
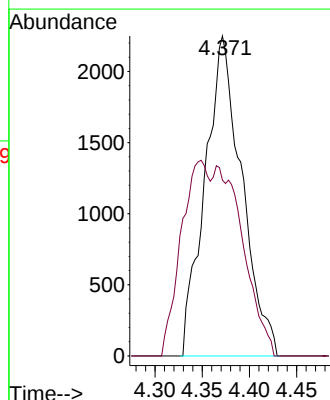
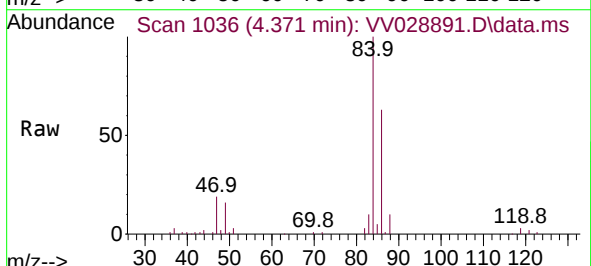
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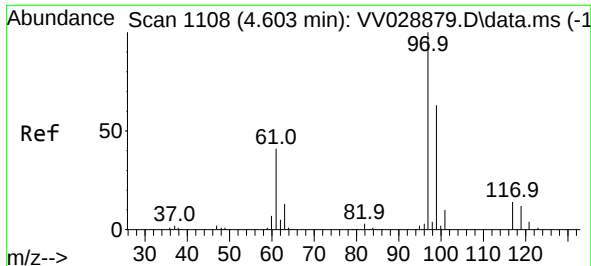
Tgt Ion: 83 Resp: 6089

Ion Ratio Lower Upper

83 100

85 54.9 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.044 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Instrument :

MSVOA_V

ClientSampleId :

H0AB8

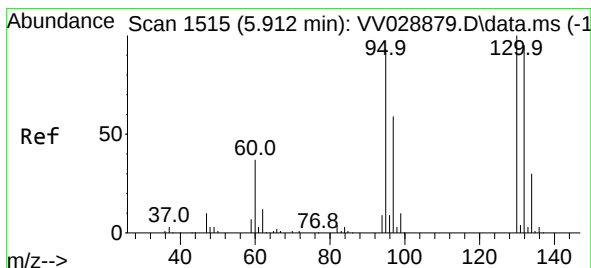
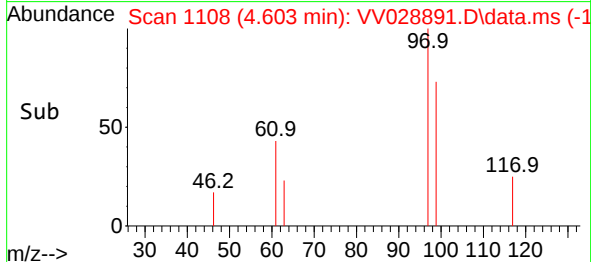
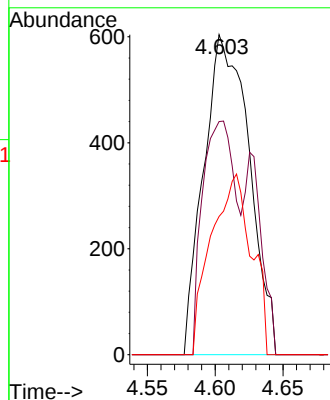
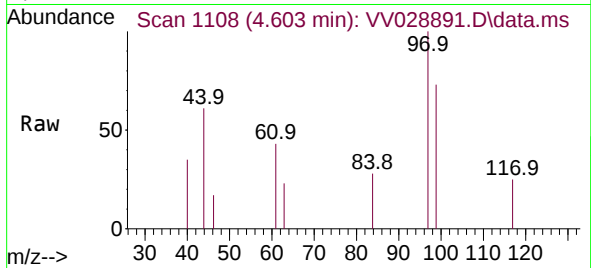
Tgt Ion: 97 Resp: 1406

Ion Ratio Lower Upper

97 100

99 53.6 52.7 79.1

61 0.0 33.8 50.6#



#34

Trichloroethene

Concen: 7.744 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Tgt Ion: 95 Resp: 166328

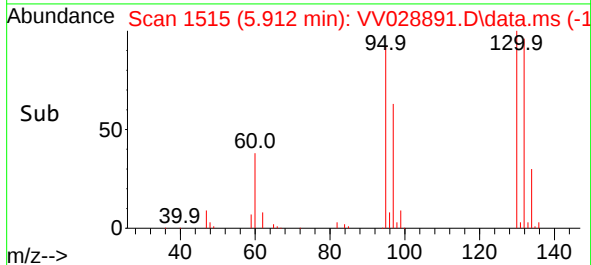
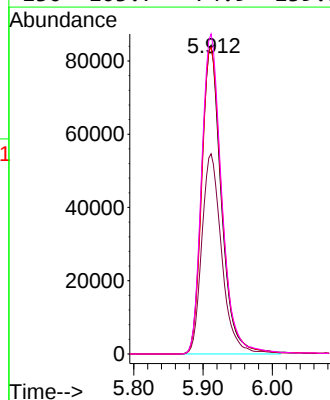
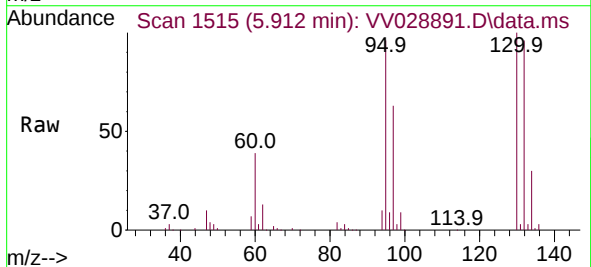
Ion Ratio Lower Upper

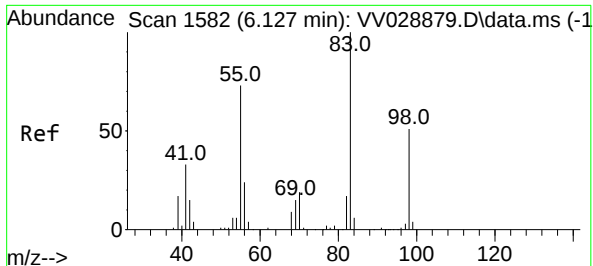
95 100

97 64.8 45.6 84.8

132 99.3 69.1 128.3

130 103.7 74.9 139.1

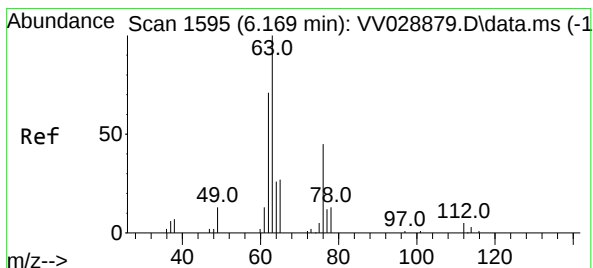
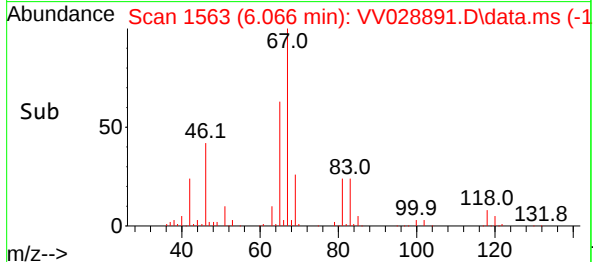
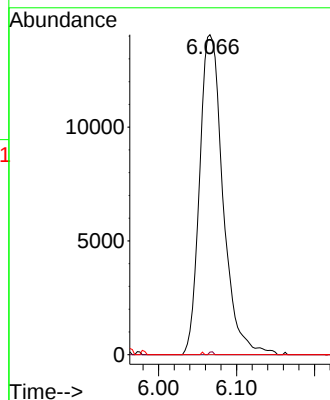
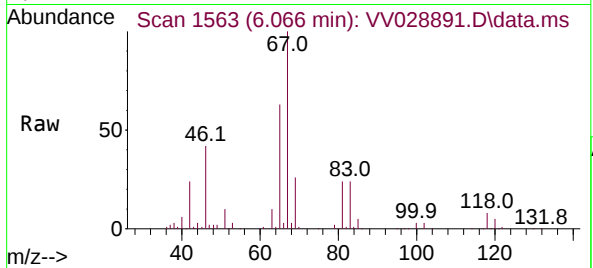




#35
Methylcyclohexane
Concen: 0.777 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

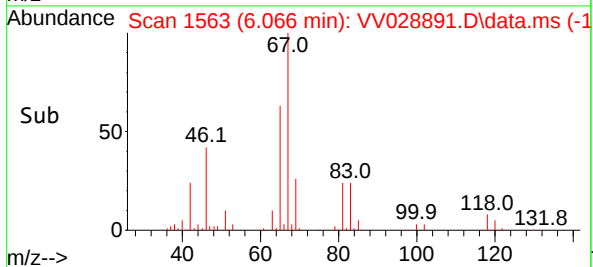
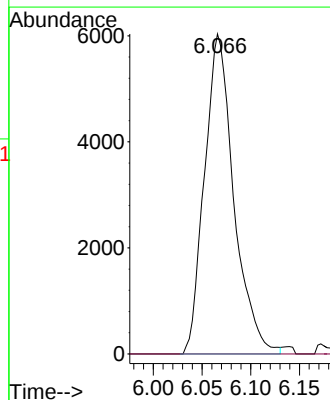
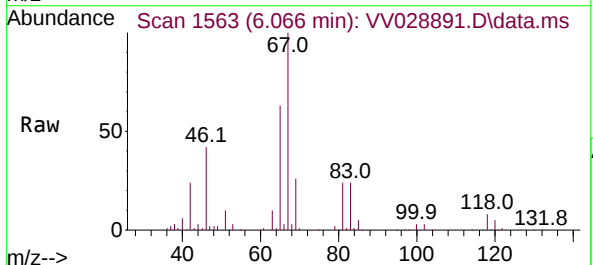
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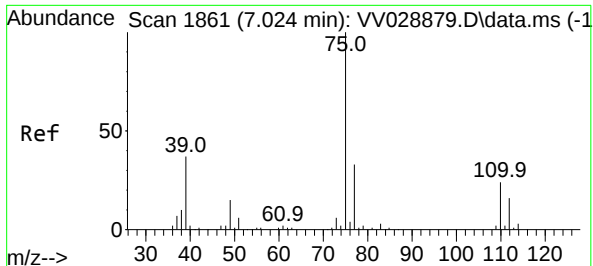
Tgt Ion: 83 Resp: 29316
Ion Ratio Lower Upper
83 100
55 0.2 55.8 83.6#
98 1.3 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.654 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

Tgt Ion: 63 Resp: 12651
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Instrument :

MSVOA_V

ClientSampleId :

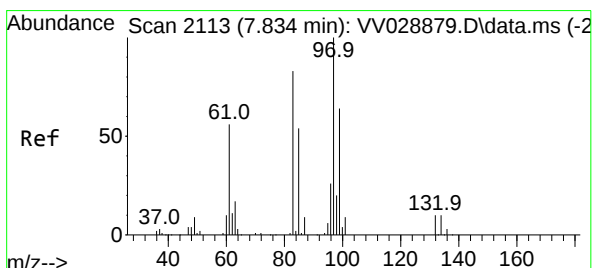
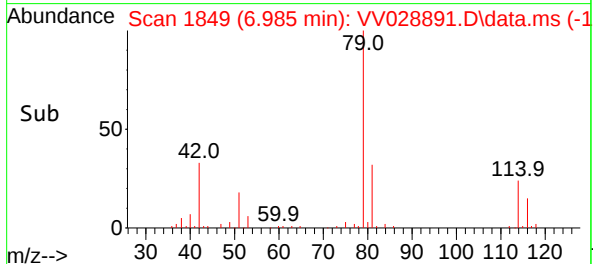
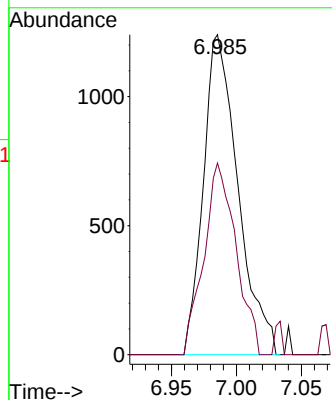
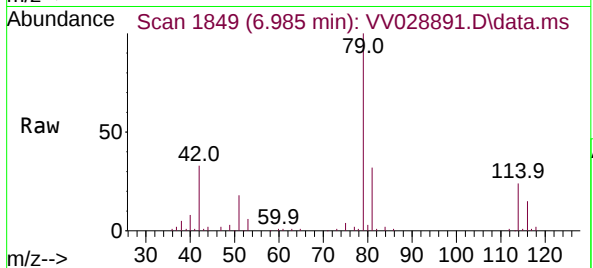
H0AB8

Tgt Ion: 75 Resp: 2299

Ion Ratio Lower Upper

75 100

77 59.9 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.236 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.132 min

Lab File: VV028891.D

Acq: 11 Nov 2022 21:38

Tgt Ion: 97 Resp: 2985

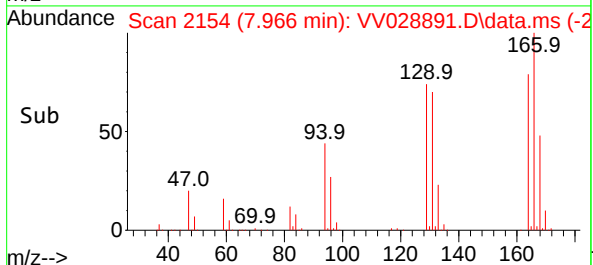
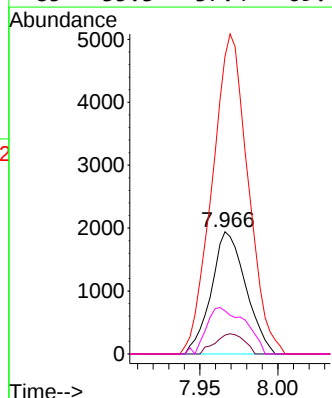
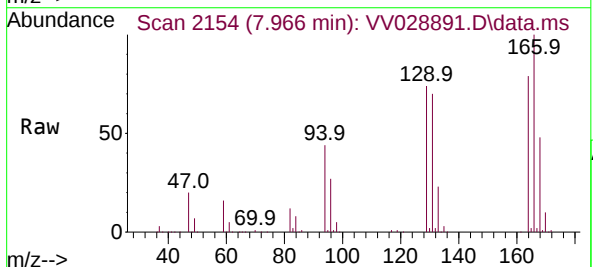
Ion Ratio Lower Upper

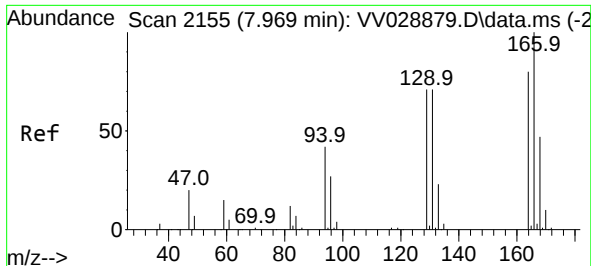
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99 15.5 41.5 77.1#

83 243.4 60.0 111.4#

85 35.3 37.4 69.4#

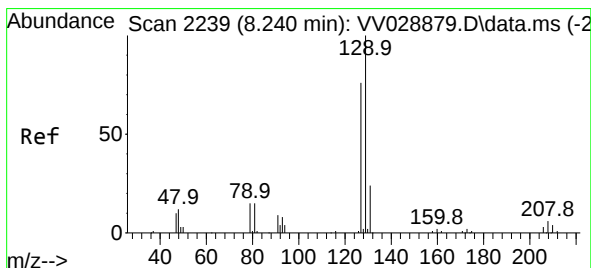
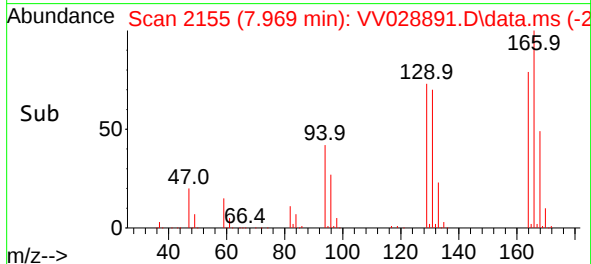
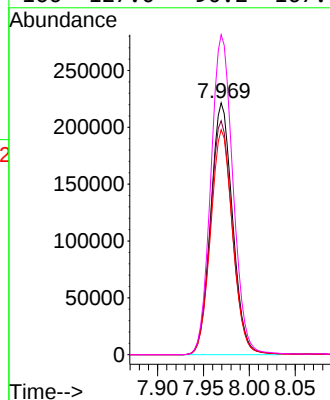
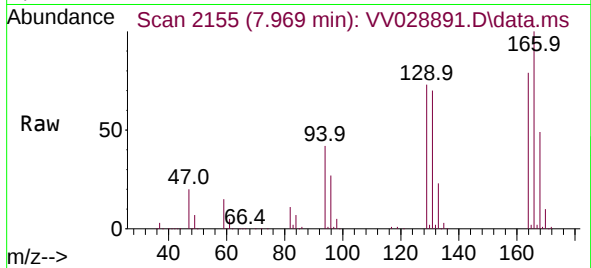




#47
Tetrachloroethene
Concen: 21.442 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

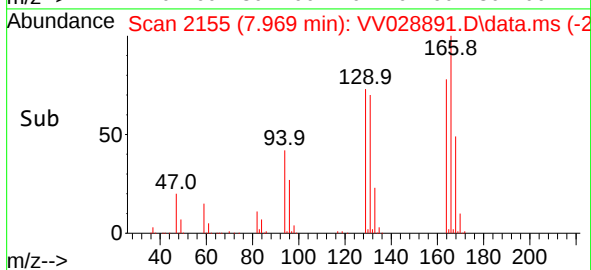
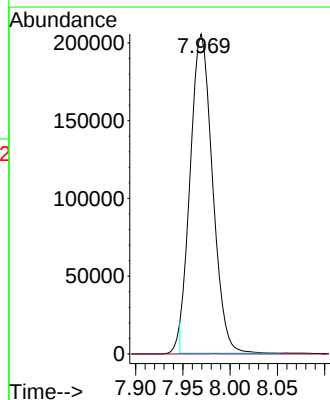
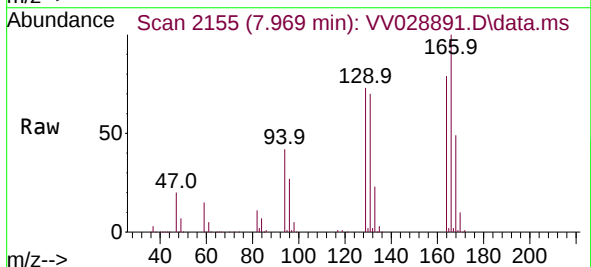
Instrument :
MSVOA_V
ClientSampleId :
H0AB8

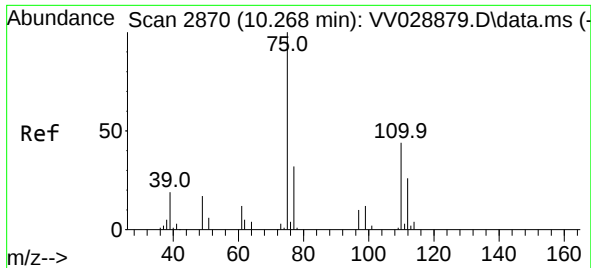
Tgt Ion:164 Resp: 368774
Ion Ratio Lower Upper
164 100
129 92.9 63.9 118.7
131 89.3 61.8 114.8
166 127.0 90.2 167.4



#49
Dibromochloromethane
Concen: 21.808 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.270 min
Lab File: VV028891.D
Acq: 11 Nov 2022 21:38

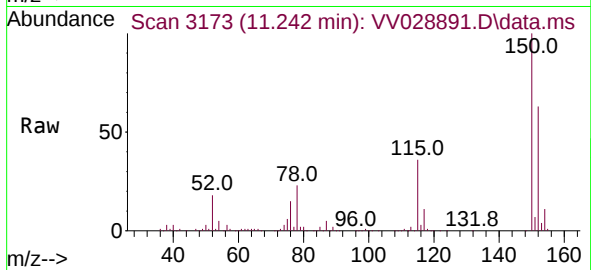
Tgt Ion:129 Resp: 333936
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.532 ug/L
 RT: 11.242 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV028891.D
 Acq: 11 Nov 2022 21:38

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB8



Tgt Ion:	75	Resp:	13786
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.2	39.2
110	2.1	32.6	48.8#

