

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111122\
 Data File : VW028894.D
 Acq On : 11 Nov 2022 22:03
 Operator : SY/MD
 Sample : N5592-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC1

Quant Time: Nov 11 22:40:07 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	5.613	114	306201	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	282512	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	133995	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	87459	4.685	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.568	69	77885	4.746	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.108	63	138778	4.079	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	3.883	46	188217	60.232	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.460%
24) Chloroform-d	4.343	84	189771	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.031	65	88126	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.047	84	401486	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.066	67	117540	4.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.310	98	357935	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.622	79	35872	4.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.088	63	165239	50.407	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.820%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	81347	4.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.616	152	127507	5.319	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	2491	0.103	ug/L #	1
8) Chloroethane	1.413	64	109910	7.740	ug/L #	53
12) 1,1-Dichloroethene	2.118	96	41230	2.224	ug/L #	69
17) Methyl tert-butyl Ether	2.764	73	2736	0.069	ug/L #	88
18) trans-1,2-Dichloroethene	2.761	96	749	0.035	ug/L #	58
19) 1,1-Dichloroethane	3.188	63	15662	0.446	ug/L	95
22) cis-1,2-Dichloroethene	3.908	96	65503	2.997	ug/L	98
25) Chloroform	4.371	83	7447	0.202	ug/L	92
29) 1,1,1-Trichloroethane	4.600	97	624	0.019	ug/L #	70
34) Trichloroethene	5.908	95	243193	11.003	ug/L	99
35) Methylcyclohexane	6.066	83	29150	0.750	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12529	0.629	ug/L #	85
45) 1,1,2-Trichloroethane	7.966	97	3555	0.273	ug/L #	1
47) Tetrachloroethene	7.969	164	475288	26.857	ug/L	99
49) Dibromochloromethane	7.969	129	423520	26.880	ug/L #	10
51) Chlorobenzene	8.879	112	13120	0.228	ug/L	97
61) 1,2,3-Trichloropropane	11.243	75	17240	1.883	ug/L #	60
64) 1,3-Dichlorobenzene	11.268	146	10120	0.248	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 11 22:27:09 2022
Response via : Initial Calibration

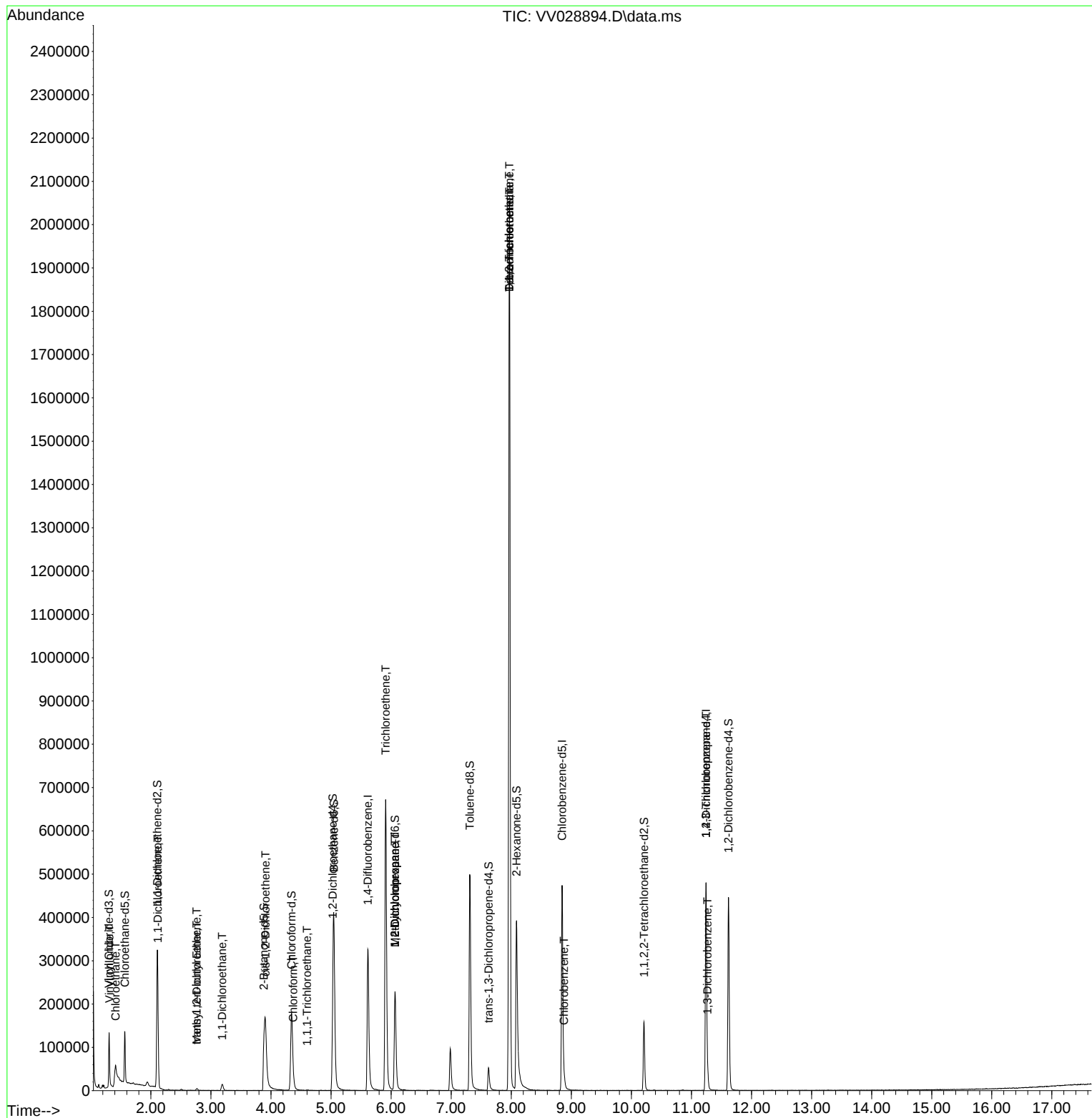
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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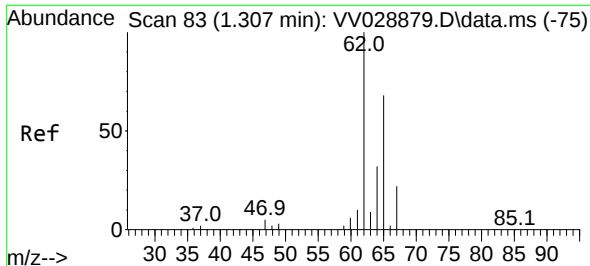
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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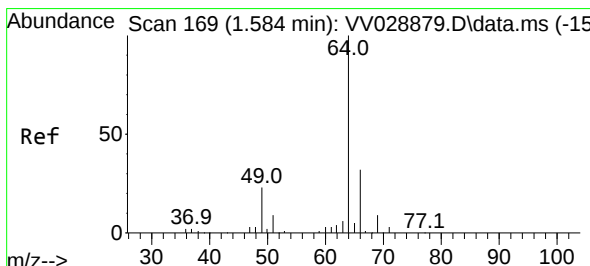
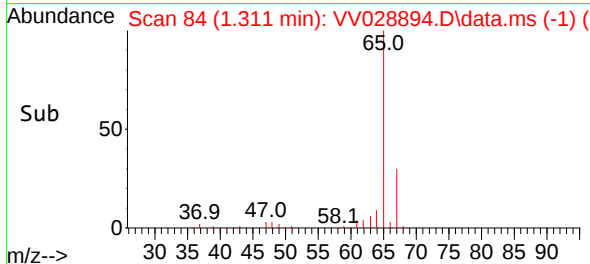
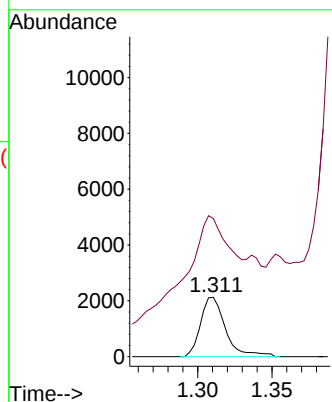
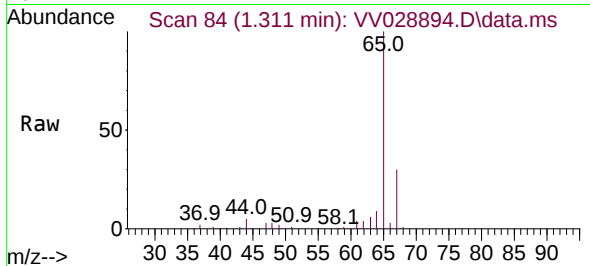




#5
 Vinyl chloride
 Concen: 0.103 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV028894.D
 Acq: 11 Nov 2022 22:03

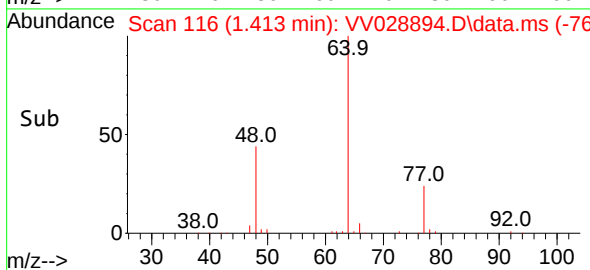
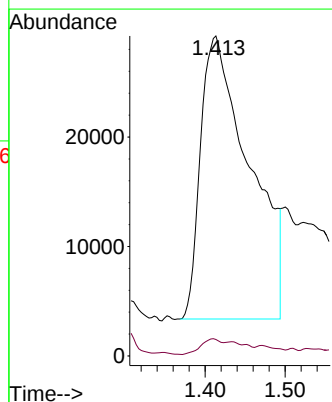
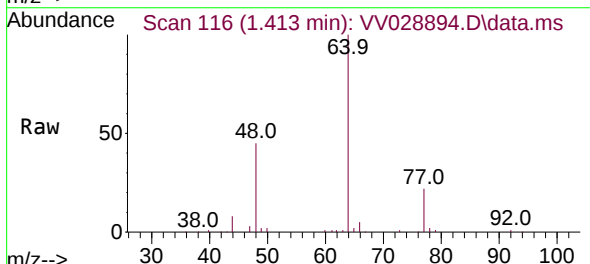
Instrument :
 MSVOA_V
 ClientSampleId :
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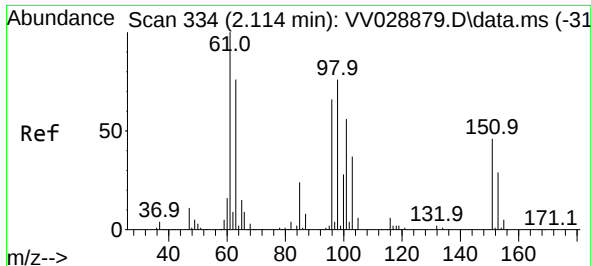
Tgt Ion: 62 Resp: 2491
 Ion Ratio Lower Upper
 62 100
 64 232.8 22.8 42.4#



#8
 Chloroethane
 Concen: 7.740 ug/L
 RT: 1.413 min Scan# 116
 Delta R.T. -0.170 min
 Lab File: VV028894.D
 Acq: 11 Nov 2022 22:03

Tgt Ion: 64 Resp: 109910
 Ion Ratio Lower Upper
 64 100
 66 5.2 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 2.224 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

Instrument :

MSVOA_V

ClientSampleId :

H0AC1

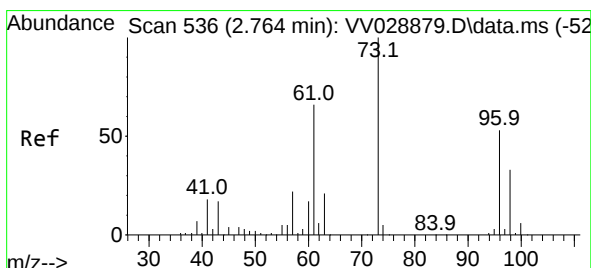
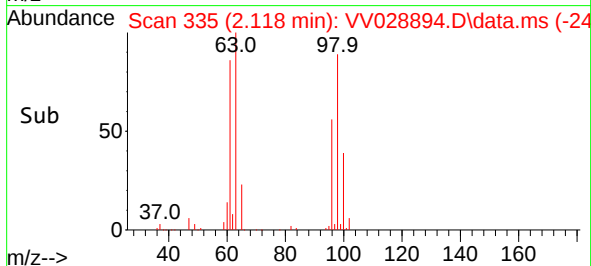
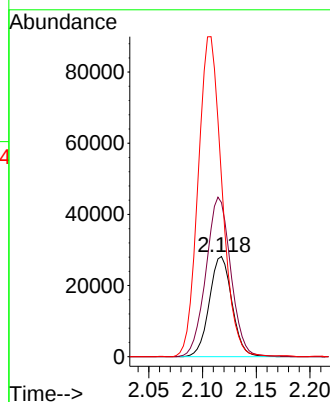
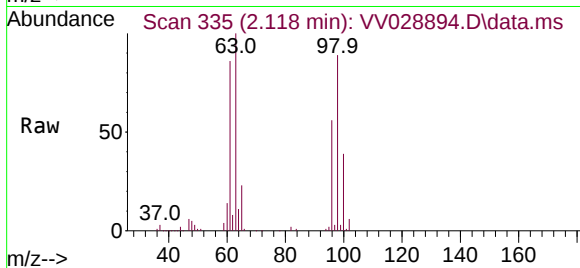
Tgt Ion: 96 Resp: 41230

Ion Ratio Lower Upper

96 100

61 153.9 104.2 193.4

63 178.5 75.9 140.9#



#17

Methyl tert-butyl Ether

Concen: 0.069 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.000 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

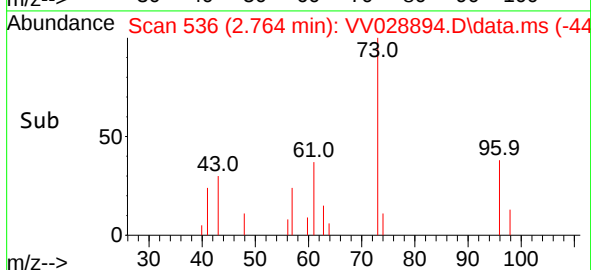
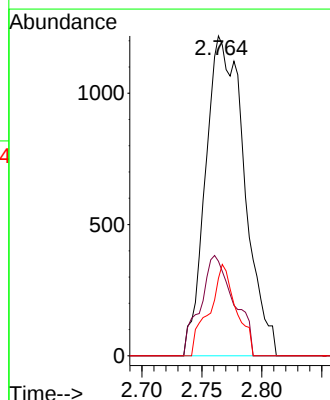
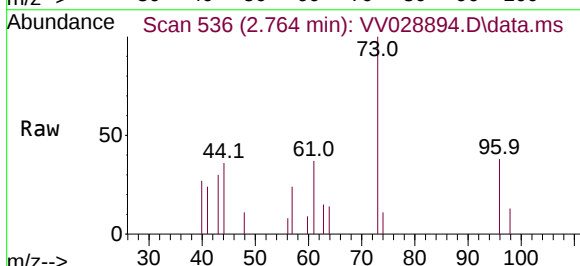
Tgt Ion: 73 Resp: 2736

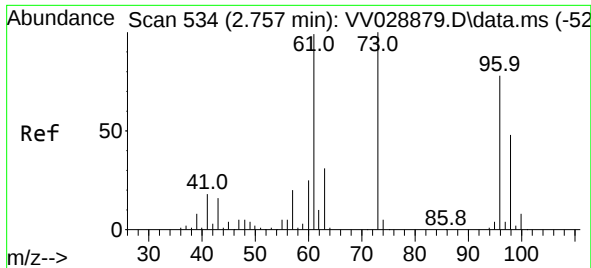
Ion Ratio Lower Upper

73 100

43 27.3 13.0 19.4#

57 19.9 16.6 24.8

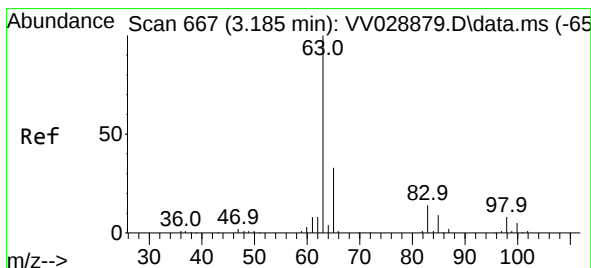
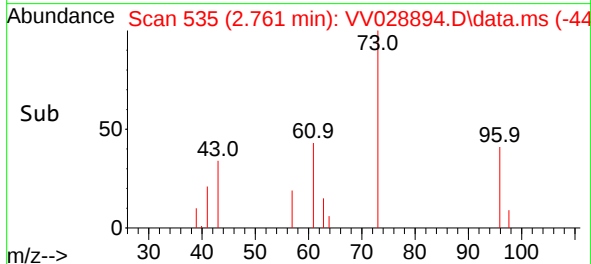
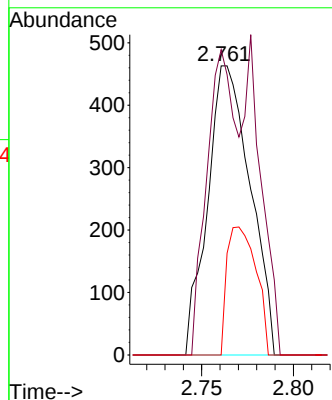
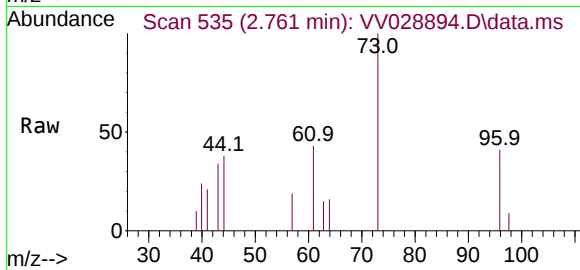




#18
trans-1,2-Dichloroethene
Concen: 0.035 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

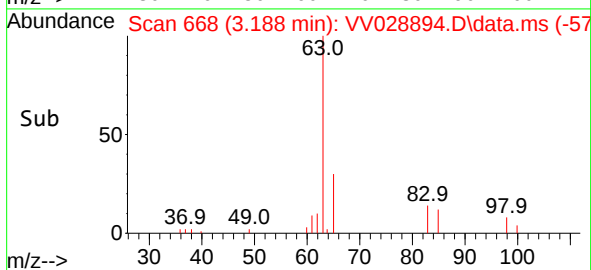
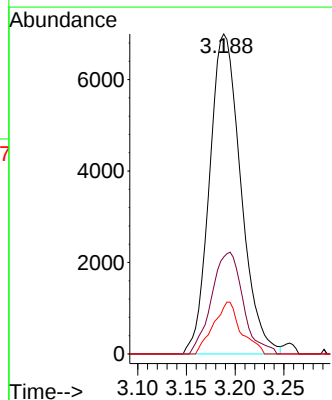
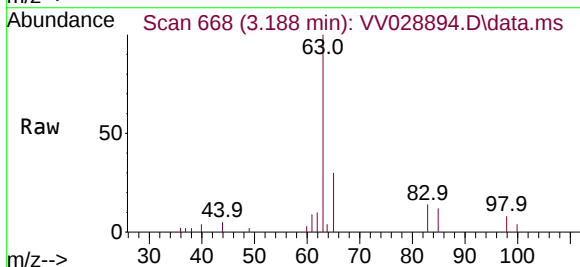
Instrument :
MSVOA_V
ClientSampleId :
H0AC1

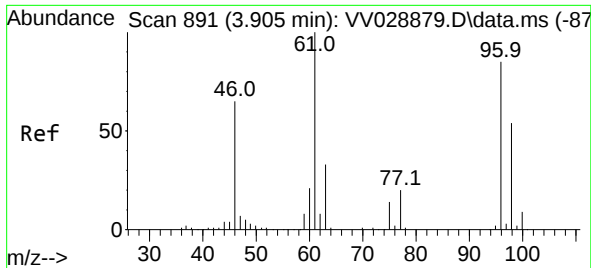
Tgt Ion: 96 Resp: 749
Ion Ratio Lower Upper
96 100
61 105.6 91.8 170.6
98 0.0 46.4 86.2#



#19
1,1-Dichloroethane
Concen: 0.446 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

Tgt Ion: 63 Resp: 15662
Ion Ratio Lower Upper
63 100
65 29.2 23.0 42.6
83 13.9 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 2.997 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

Instrument :

MSVOA_V

ClientSampleId :

H0AC1

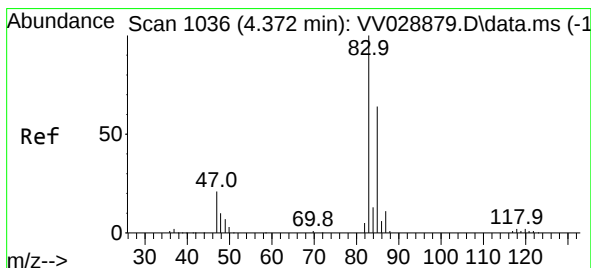
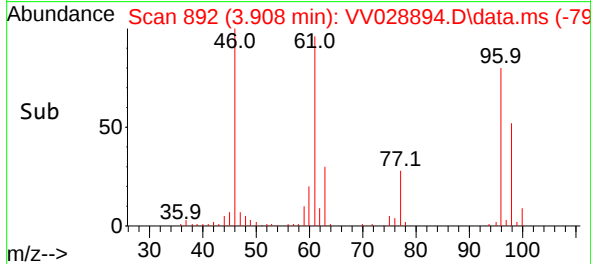
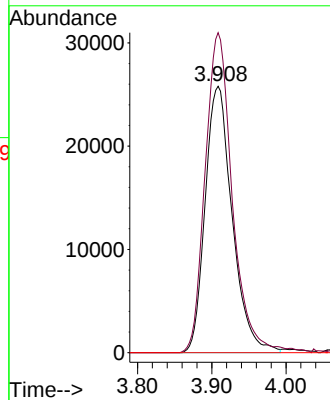
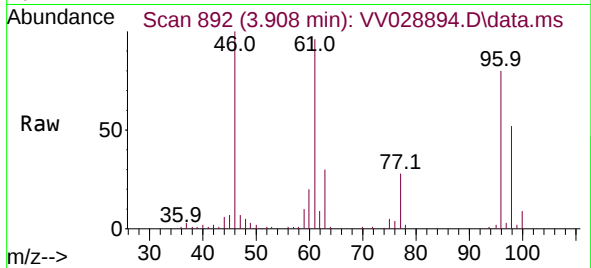
Tgt Ion: 96 Resp: 65503

Ion Ratio Lower Upper

96 100

61 120.1 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.202 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV028894.D

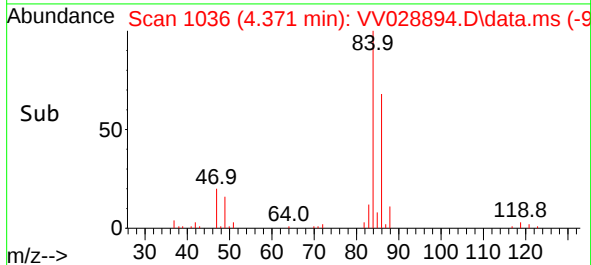
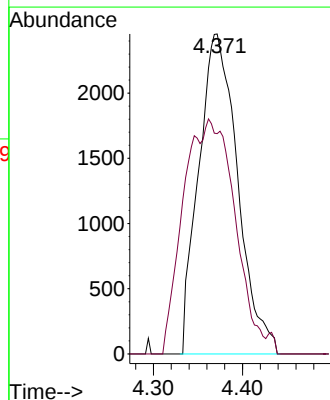
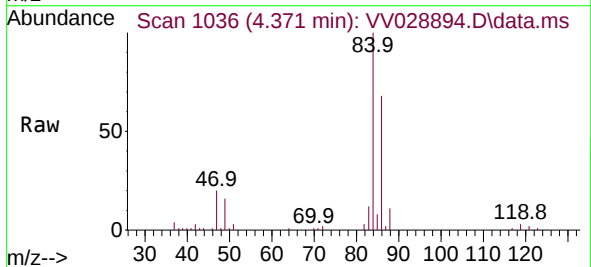
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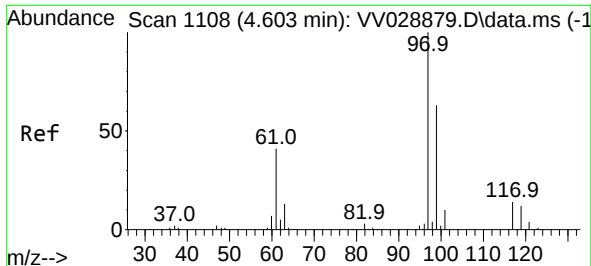
Tgt Ion: 83 Resp: 7447

Ion Ratio Lower Upper

83 100

85 68.8 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.019 ug/L

RT: 4.600 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

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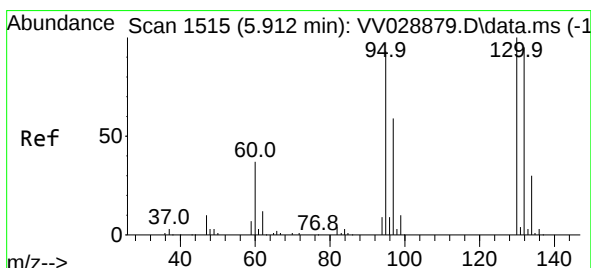
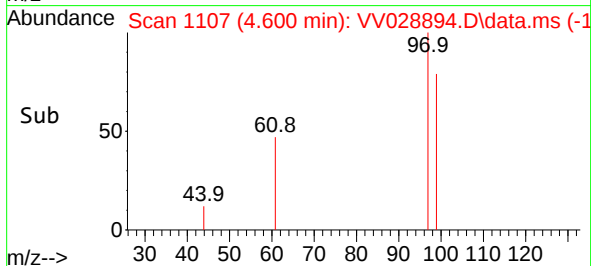
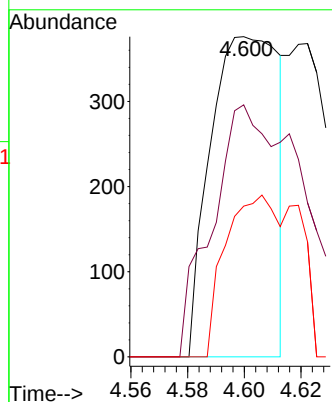
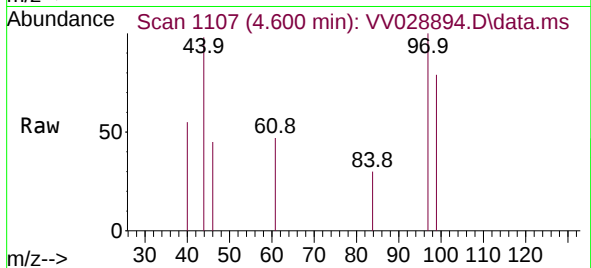
Tgt Ion: 97 Resp: 624

Ion Ratio Lower Upper

97 100

99 102.2 52.7 79.1#

61 39.4 33.8 50.6



#34

Trichloroethene

Concen: 11.003 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.003 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

Tgt Ion: 95 Resp: 243193

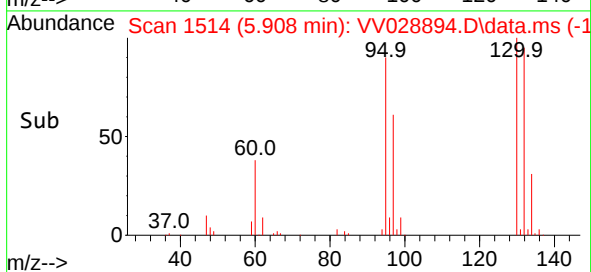
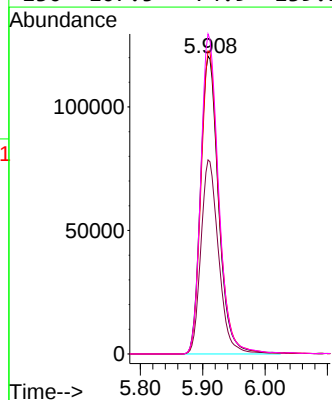
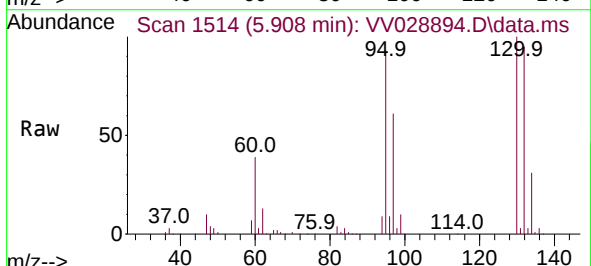
Ion Ratio Lower Upper

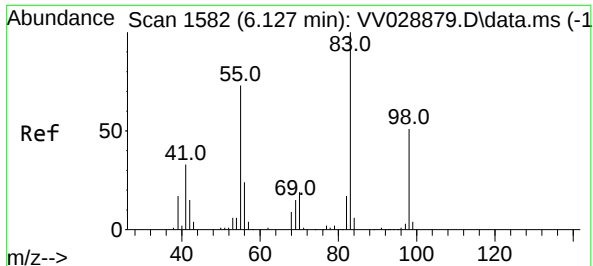
95 100

97 65.2 45.6 84.8

132 101.8 69.1 128.3

130 107.5 74.9 139.1





#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

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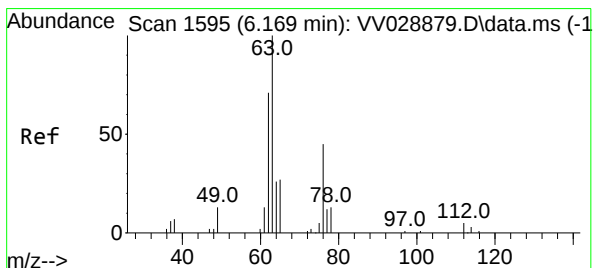
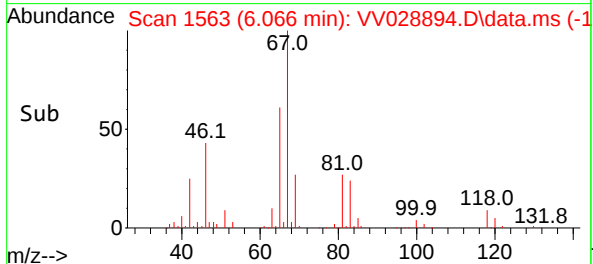
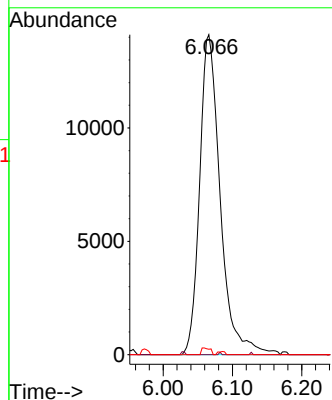
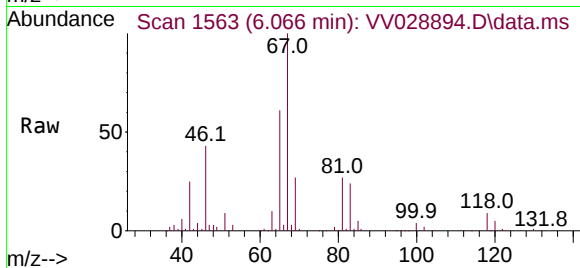
Tgt Ion: 83 Resp: 29150

Ion Ratio Lower Upper

83 100

55 0.1 55.8 83.6#

98 0.9 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.629 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

Lab File: VV028894.D

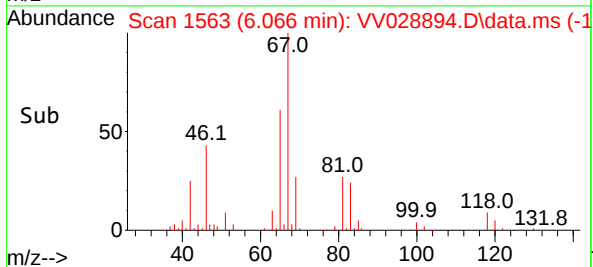
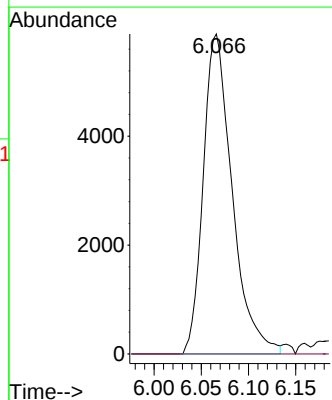
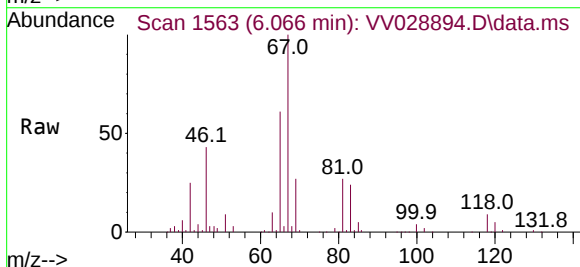
Acq: 11 Nov 2022 22:03

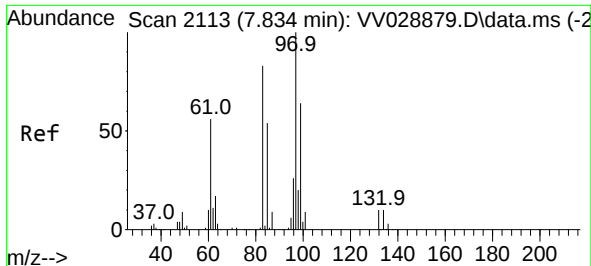
Tgt Ion: 63 Resp: 12529

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#

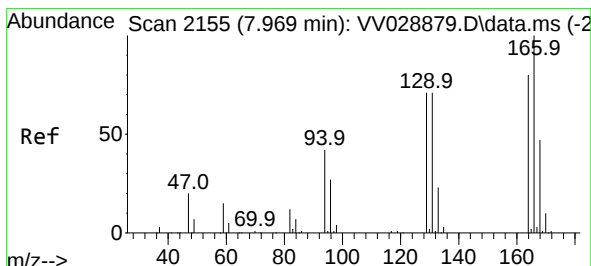
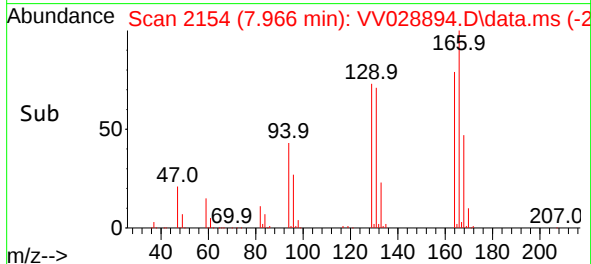
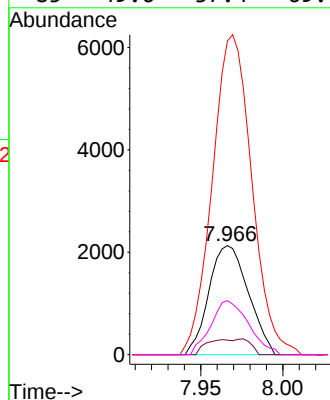
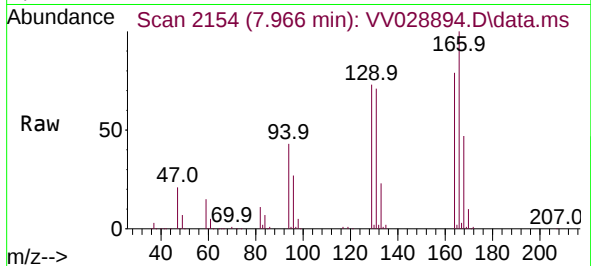




#45
1,1,2-Trichloroethane
Concen: 0.273 ug/L
RT: 7.966 min Scan# 2113
Delta R.T. 0.132 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

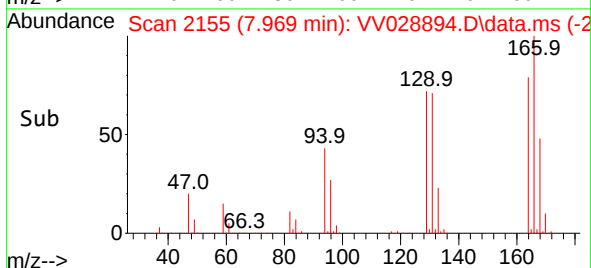
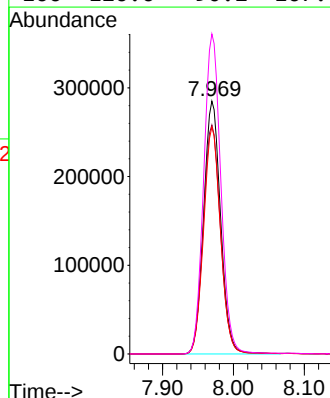
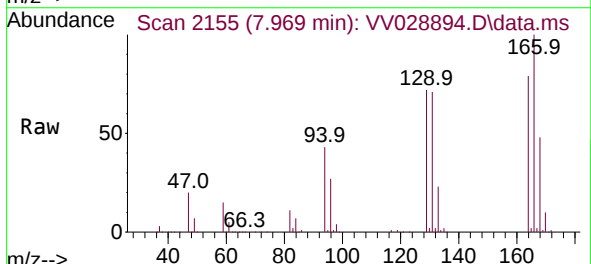
Instrument :
MSVOA_V
ClientSampleId :
H0AC1

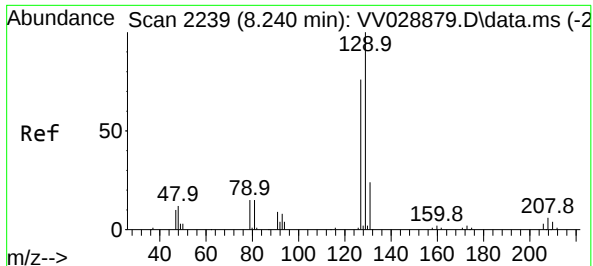
Tgt Ion:	97	Resp:	3555
Ion	Ratio	Lower	Upper
97	100		
99	13.4	41.5	77.1#
83	287.2	60.0	111.4#
85	49.6	37.4	69.4



#47
Tetrachloroethene
Concen: 26.857 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

Tgt Ion:	164	Resp:	475288
Ion	Ratio	Lower	Upper
164	100		
129	90.6	63.9	118.7
131	89.8	61.8	114.8
166	126.6	90.2	167.4





#49

Dibromochloromethane

Concen: 26.880 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

Instrument :

MSVOA_V

ClientSampleId :

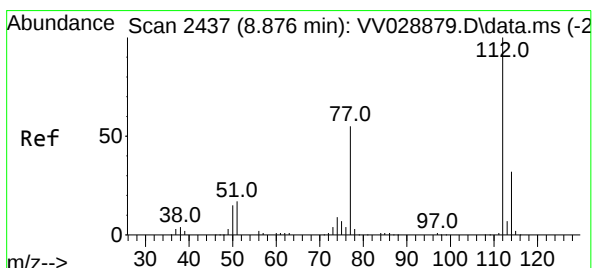
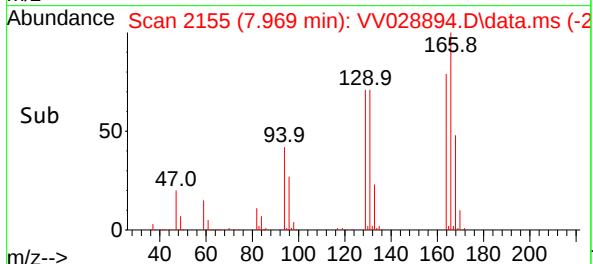
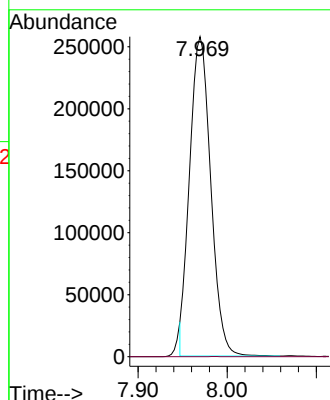
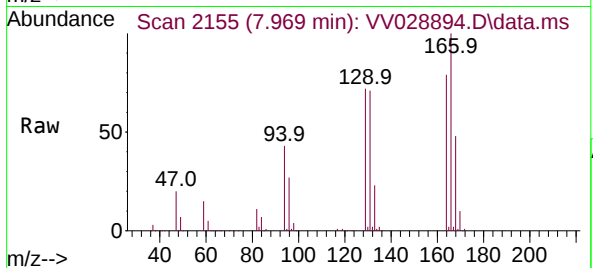
H0AC1

Tgt Ion:129 Resp: 423520

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#51

Chlorobenzene

Concen: 0.228 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV028894.D

Acq: 11 Nov 2022 22:03

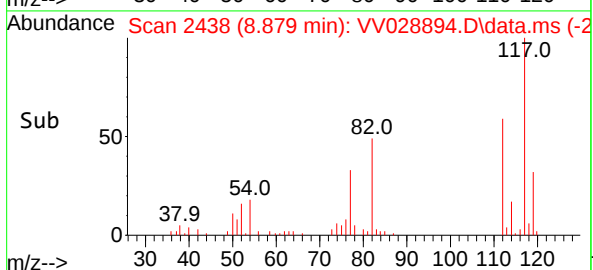
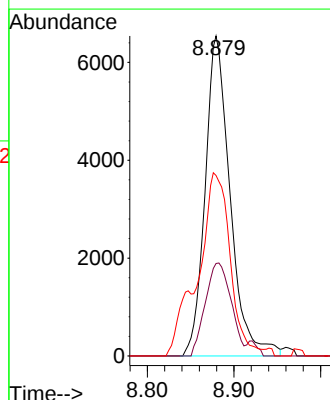
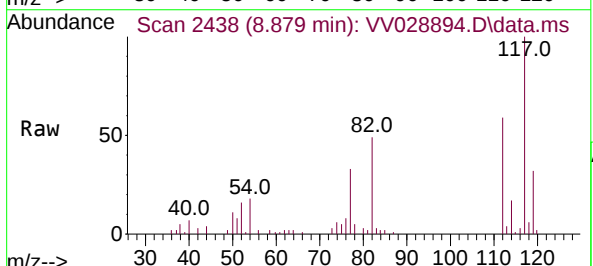
Tgt Ion:112 Resp: 13120

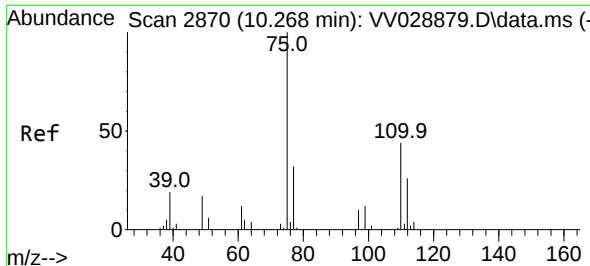
Ion Ratio Lower Upper

112 100

114 28.9 22.4 41.6

77 56.4 44.4 66.6

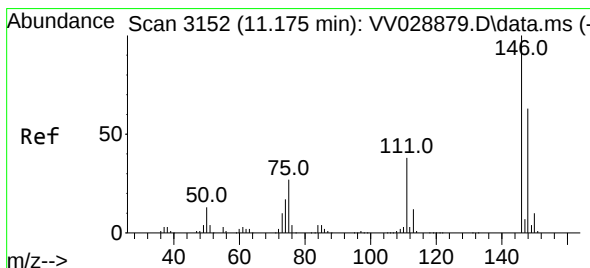
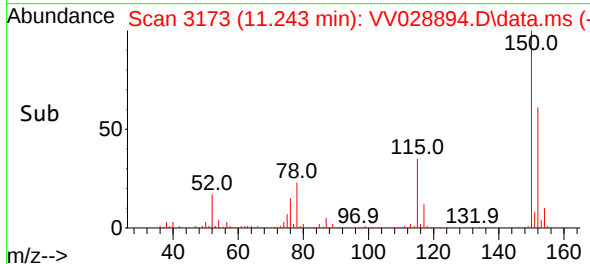
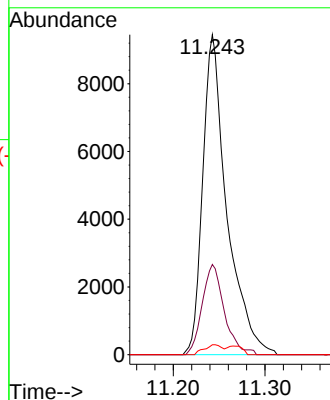
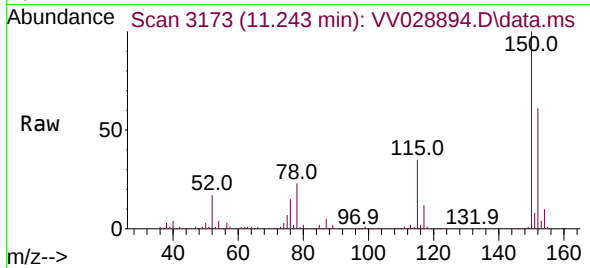




#61
1,2,3-Trichloropropane
Concen: 1.883 ug/L
RT: 11.243 min Scan# 31173
Delta R.T. 0.974 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

Instrument :
MSVOA_V
ClientSampleId :
H0AC1

Tgt Ion: 75 Resp: 17240
Ion Ratio Lower Upper
75 100
77 25.8 26.2 39.2#
110 2.3 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 0.248 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.093 min
Lab File: VV028894.D
Acq: 11 Nov 2022 22:03

Tgt Ion:146 Resp: 10120
Ion Ratio Lower Upper
146 100
111 41.3 26.9 50.1
148 68.7 44.1 81.9

