

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111721\
 Data File : VV023582.D
 Acq On : 17 Nov 2021 20:11
 Operator : SY/MD
 Sample : M4627-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4650

Quant Time: Nov 18 00:24:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 00:20:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	128598	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125453	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42373	5.260	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	105.200%	
7) Chloroethane-d5	1.568	69	31641	4.819	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.400%	
11) 1,1-Dichloroethene-d2	2.108	63	55162	3.658	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.200%	
20) 2-Butanone-d5	3.896	46	60081	43.288	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	86.580%	
24) Chloroform-d	4.349	84	67396	3.925	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.600%	
26) 1,2-Dichloroethane-d4	5.034	65	32545	4.215	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.400%	
32) Benzene-d6	5.050	84	136034	4.226	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.600%	
36) 1,2-Dichloropropane-d6	6.069	67	39522	4.171	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	83.400%	
41) Toluene-d8	7.317	98	118868	3.941	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.800%	
43) trans-1,3-Dichloroprop...	7.629	79	13044	3.630	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.600%	
46) 2-Hexanone-d5	8.092	63	44191	33.429	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	66.860%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24536	3.601	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	72.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	44166	4.488	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.800%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	33555	3.151	ug/L	96
8) Chloroethane	1.455	64	363434	59.146	ug/L #	52
13) Acetone	2.182	43	3455	4.074	ug/L	70
14) Carbon disulfide	2.294	76	5683	0.196	ug/L	97
15) Methyl Acetate	2.500	43	637	0.265	ug/L #	47
18) trans-1,2-Dichloroethene	2.764	96	10231	1.085	ug/L	98
19) 1,1-Dichloroethane	3.191	63	41942	2.635	ug/L	98
22) cis-1,2-Dichloroethene	3.918	96	1280	0.141	ug/L #	79
27) 1,2-Dichloroethane	5.050	62	845	0.094	ug/L #	72
30) Cyclohexane	4.680	56	2035	0.149	ug/L #	80
33) Benzene	5.108	78	8730	0.249	ug/L	100
35) Methylcyclohexane	6.130	83	2134	0.145	ug/L #	63
39) cis-1,3-Dichloropropene	6.992	75	1112	0.094	ug/L	97
42) Toluene	7.397	91	2979	0.079	ug/L	90
45) 1,1,2-Trichloroethane	7.789	97	442	0.075	ug/L #	15
48) 2-Hexanone	8.153	43	2957	1.112	ug/L #	45
61) 1,2,3-Trichloropropane	11.246	75	5875	1.497	ug/L #	64

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 18 00:20:29 2021
Response via : Initial Calibration

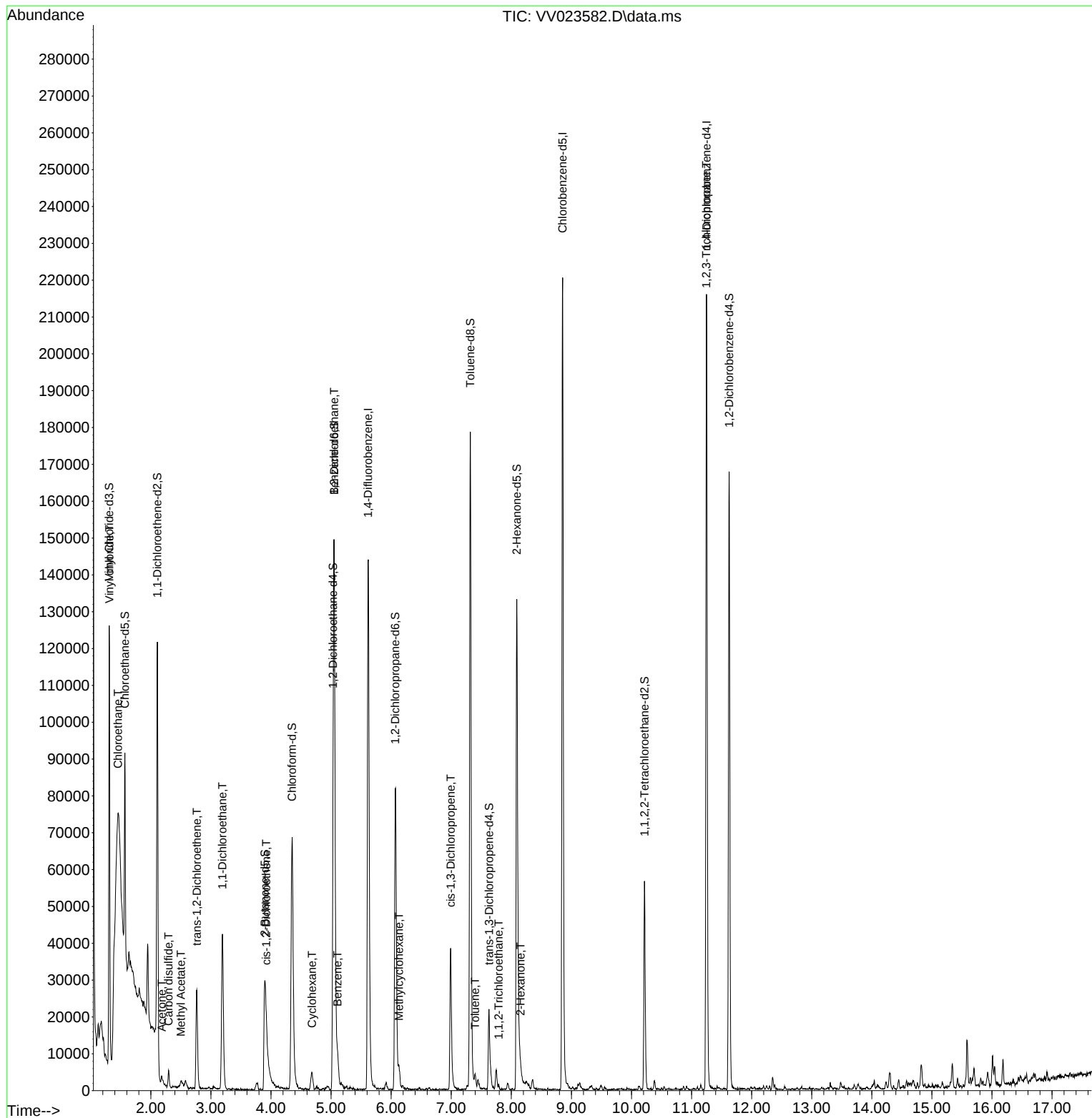
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

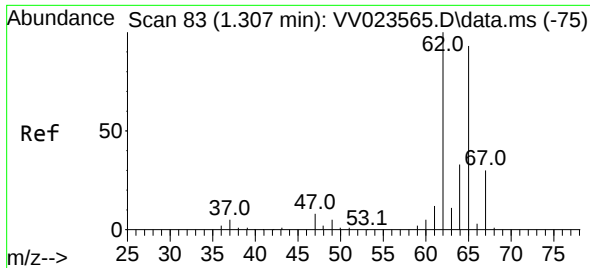
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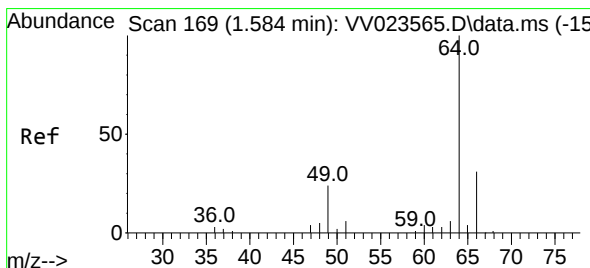
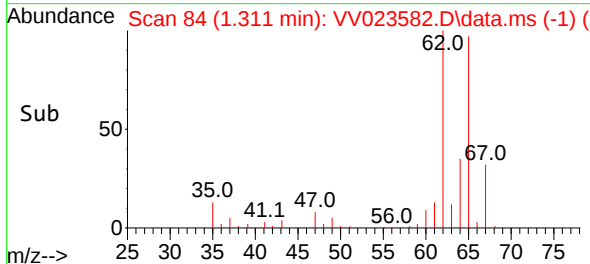
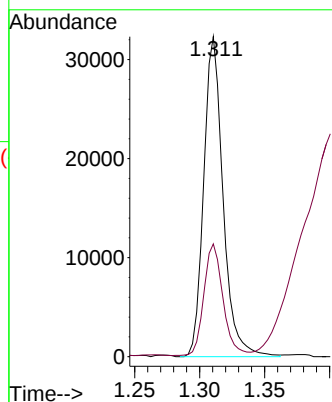
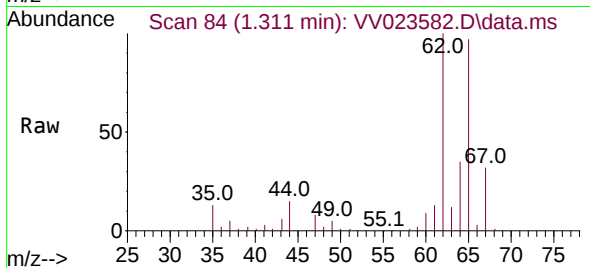




#5
 Vinyl chloride
 Concen: 3.151 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023582.D
 Acq: 17 Nov 2021 20:11

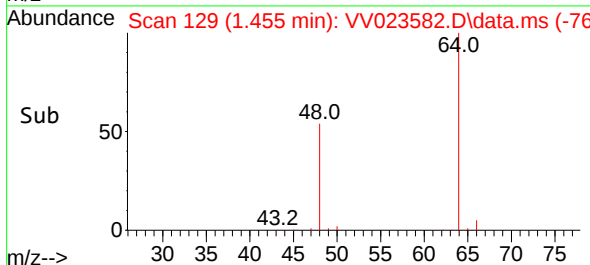
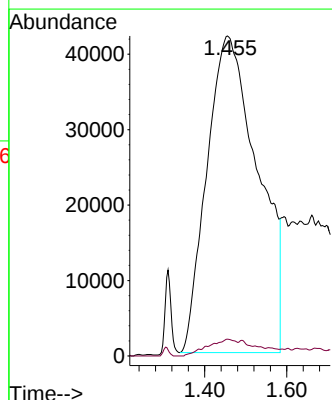
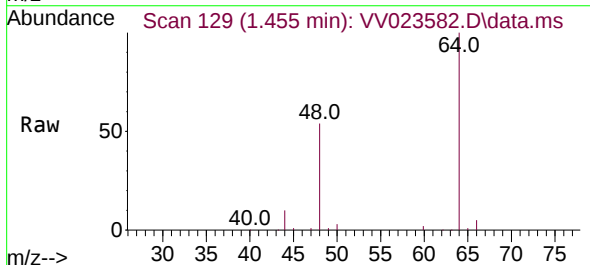
Instrument :
 MSVOA_V
 ClientSampleId :
 H4650

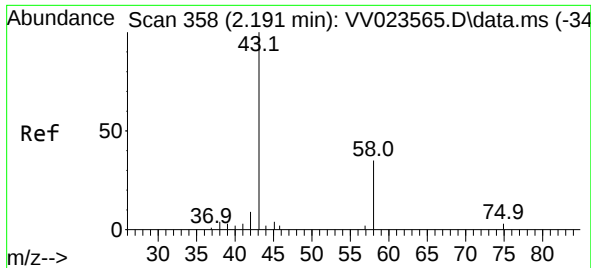
Tgt Ion: 62 Resp: 33555
 Ion Ratio Lower Upper
 62 100
 64 35.3 23.1 42.9



#8
 Chloroethane
 Concen: 59.146 ug/L
 RT: 1.455 min Scan# 129
 Delta R.T. -0.128 min
 Lab File: VV023582.D
 Acq: 17 Nov 2021 20:11

Tgt Ion: 64 Resp: 363434
 Ion Ratio Lower Upper
 64 100
 66 5.2 22.1 41.1#





#13

Acetone

Concen: 4.074 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.009 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

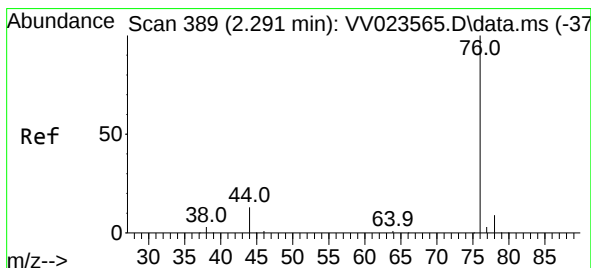
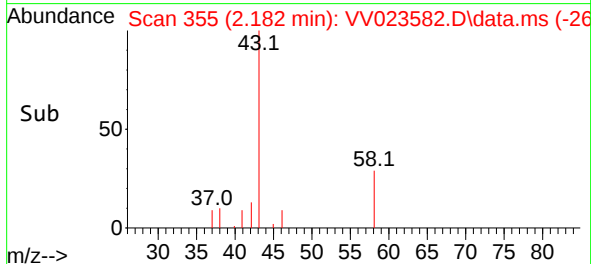
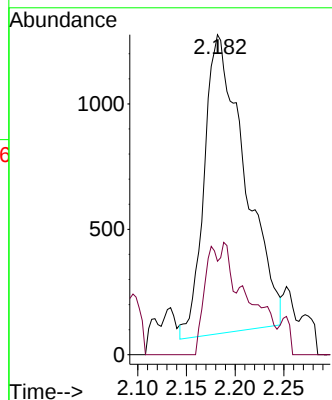
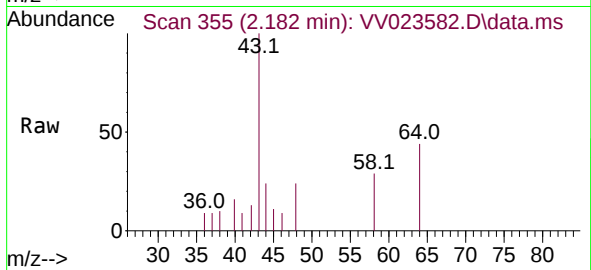
H4650

Tgt Ion: 43 Resp: 3455

Ion Ratio Lower Upper

43 100

58 12.2 0.0 55.4



#14

Carbon disulfide

Concen: 0.196 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV023582.D

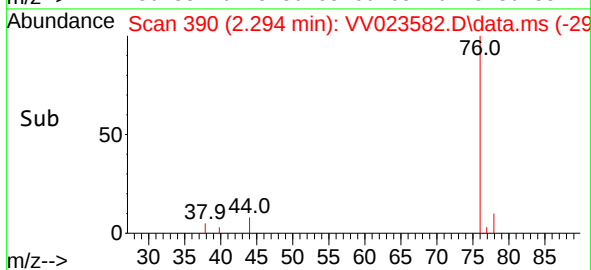
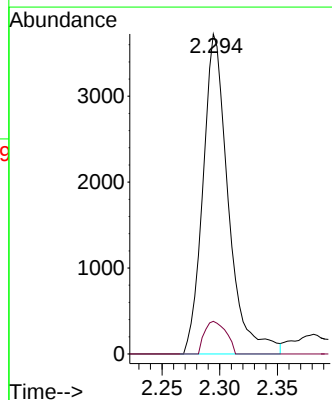
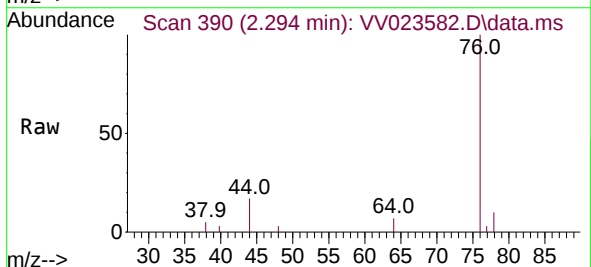
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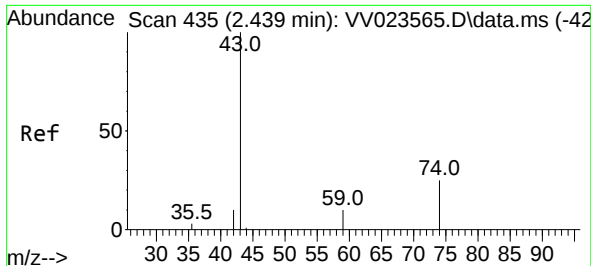
Tgt Ion: 76 Resp: 5683

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8

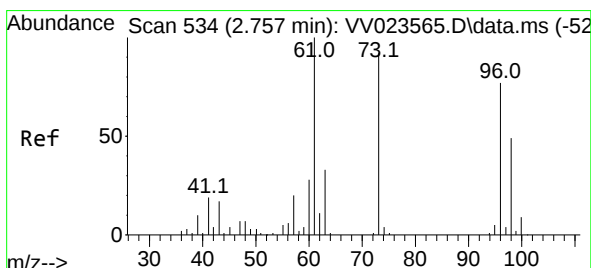
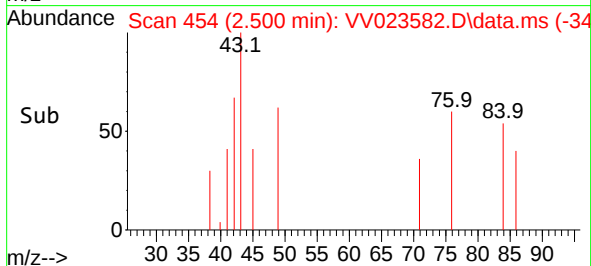
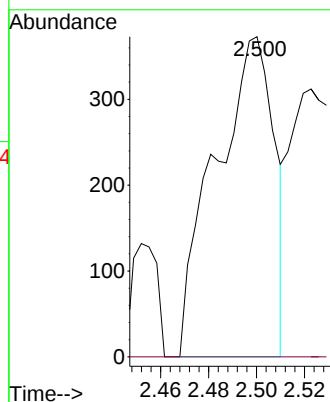
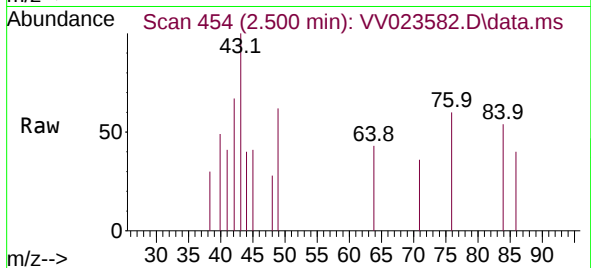




#15
Methyl Acetate
Concen: 0.265 ug/L
RT: 2.500 min Scan# 415
Delta R.T. 0.061 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

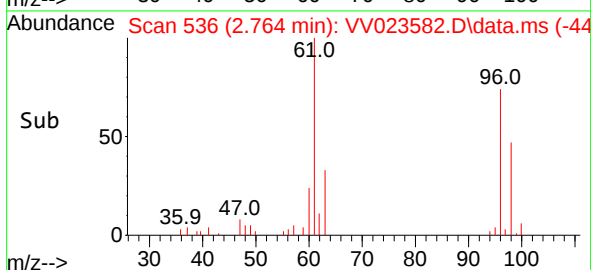
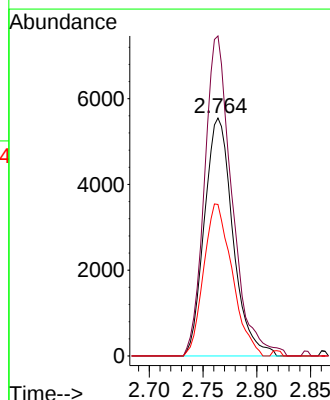
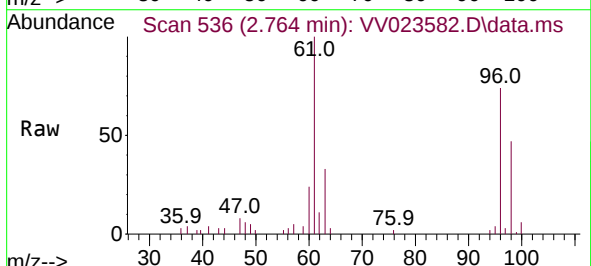
Instrument :
MSVOA_V
ClientSampleId :
H4650

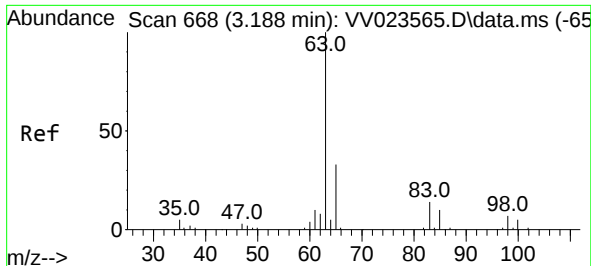
Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#18
trans-1,2-Dichloroethene
Concen: 1.085 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

Tgt Ion: 96 Resp: 10231
Ion Ratio Lower Upper
96 100
61 134.5 93.2 173.2
98 63.7 47.0 87.2





#19

1,1-Dichloroethane

Concen: 2.635 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

H4650

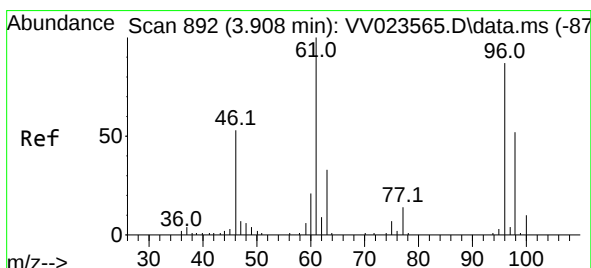
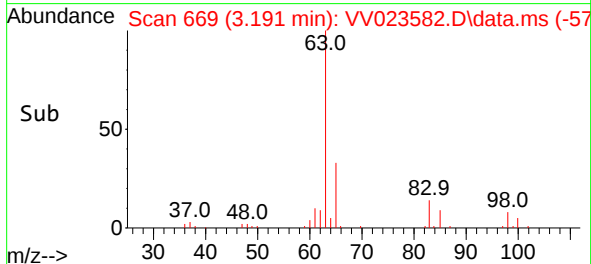
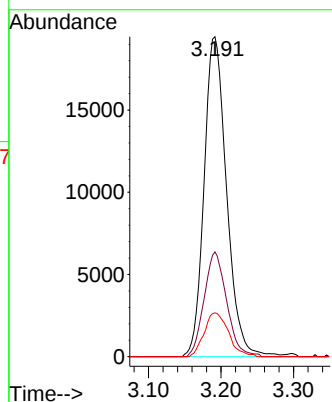
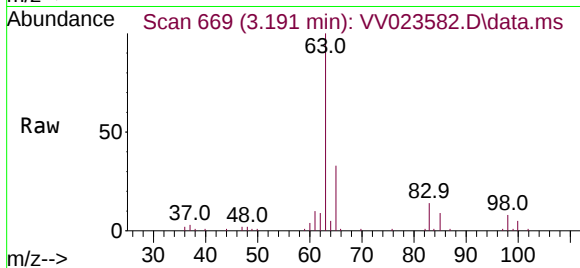
Tgt Ion: 63 Resp: 41942

Ion Ratio Lower Upper

63 100

65 32.7 22.6 42.0

83 13.7 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.141 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

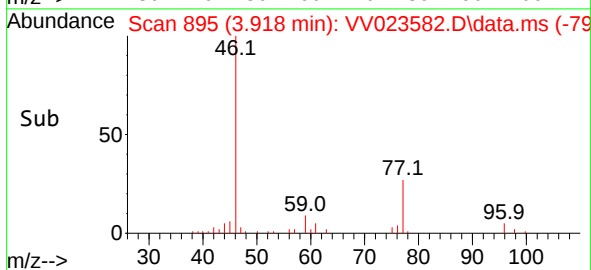
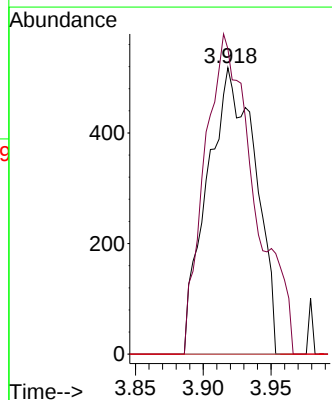
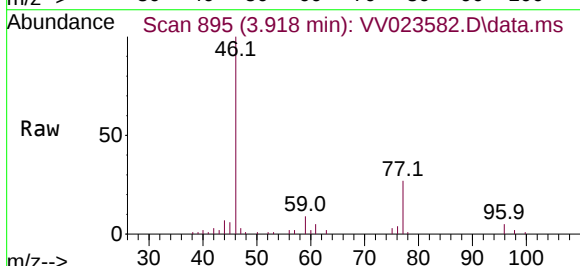
Tgt Ion: 96 Resp: 1280

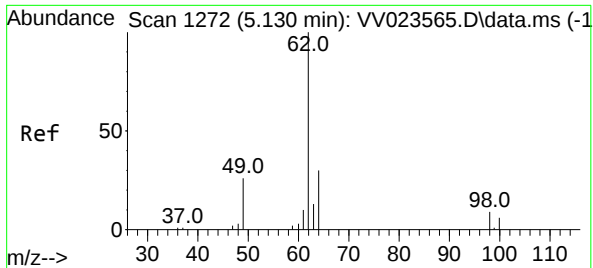
Ion Ratio Lower Upper

96 100

61 106.6 92.3 171.3

68 0.0 0.4 0.8#





#27

1,2-Dichloroethane

Concen: 0.094 ug/L

RT: 5.050 min Scan# 11

Delta R.T. -0.080 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

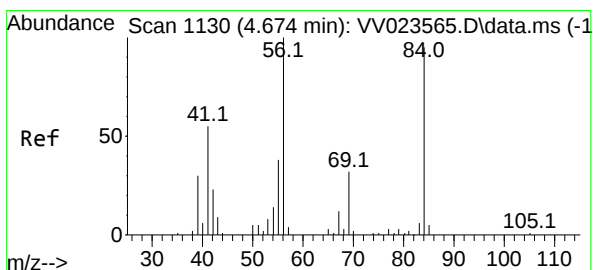
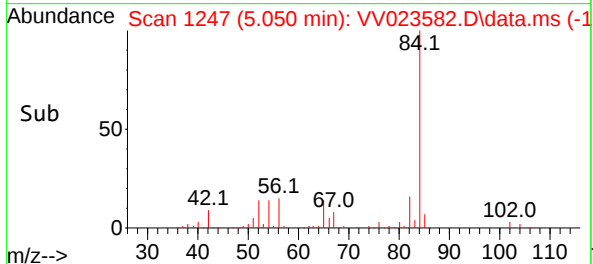
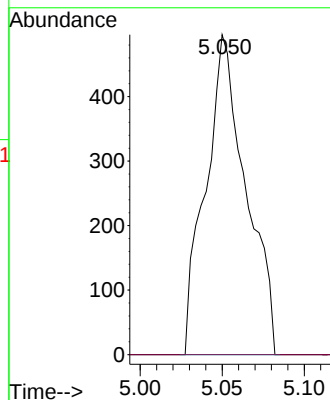
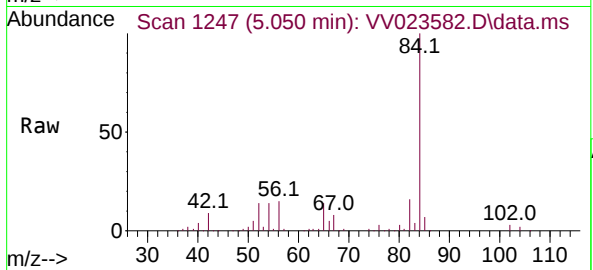
H4650

Tgt Ion: 62 Resp: 845

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#30

Cyclohexane

Concen: 0.149 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

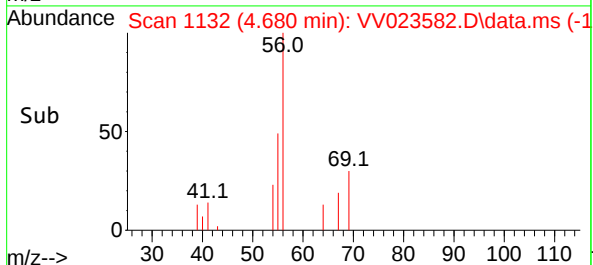
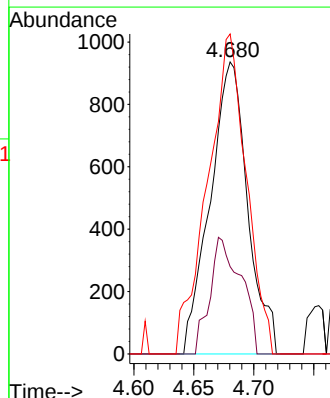
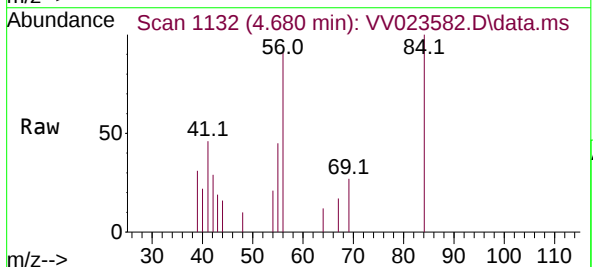
Tgt Ion: 56 Resp: 2035

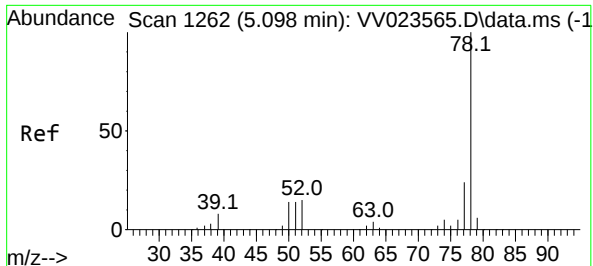
Ion Ratio Lower Upper

56 100

69 33.0 23.5 35.3

84 112.8 71.6 107.4#

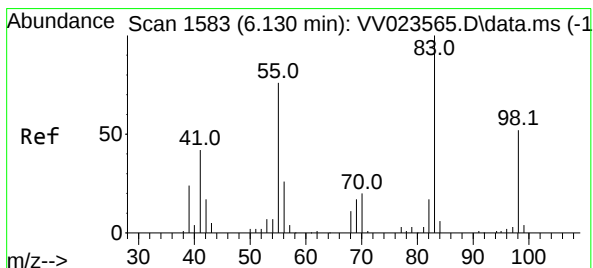
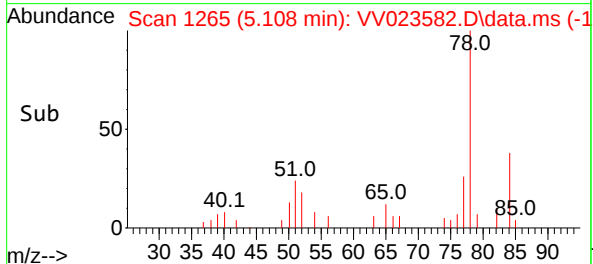
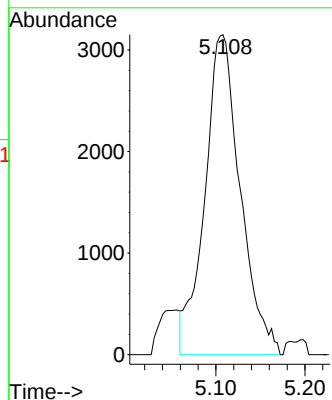
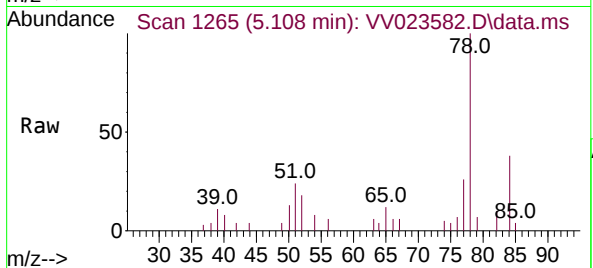




#33
Benzene
Concen: 0.249 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

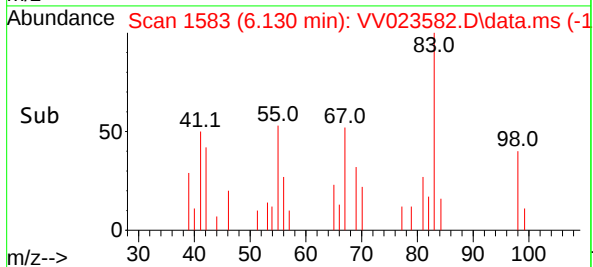
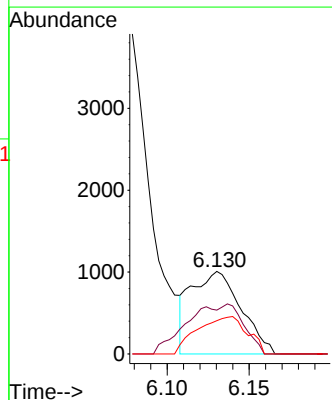
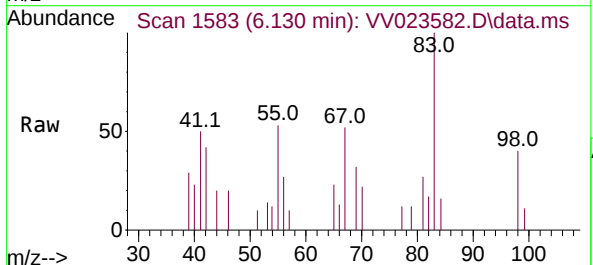
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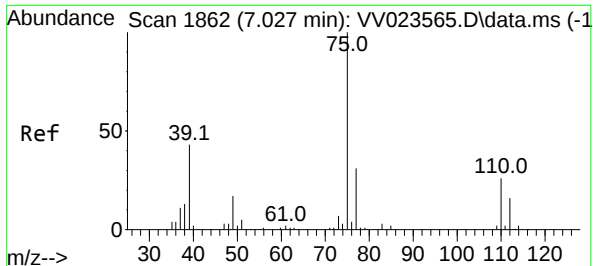
Tgt Ion: 78 Resp: 8730



#35
Methylcyclohexane
Concen: 0.145 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.000 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

Tgt Ion: 83 Resp: 2134
Ion Ratio Lower Upper
83 100
55 28.8 62.8 94.2#
98 45.0 37.9 56.9





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023582.D

Acq: 17 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

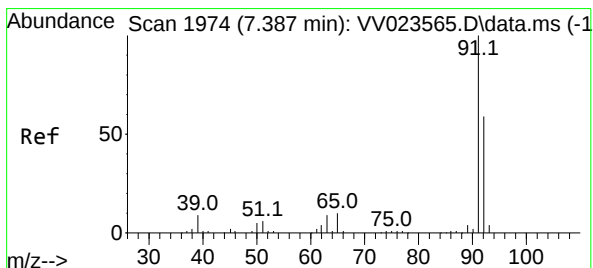
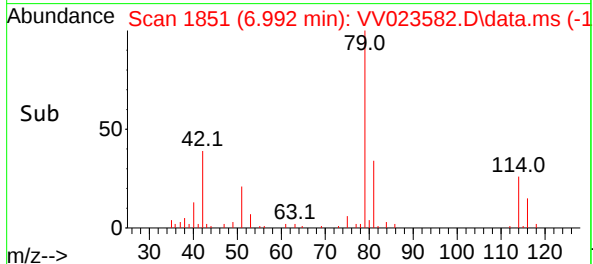
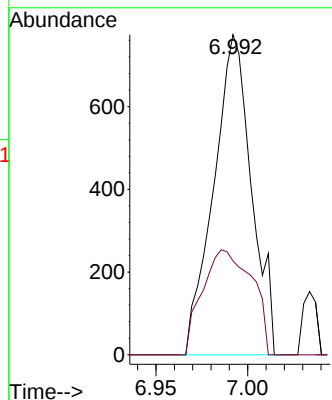
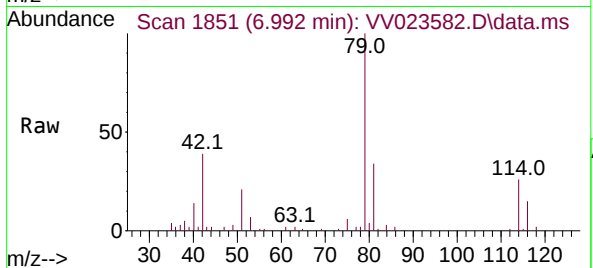
H4650

Tgt Ion: 75 Resp: 1112

Ion Ratio Lower Upper

75 100

77 29.3 21.6 40.2



#42

Toluene

Concen: 0.079 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.010 min

Lab File: VV023582.D

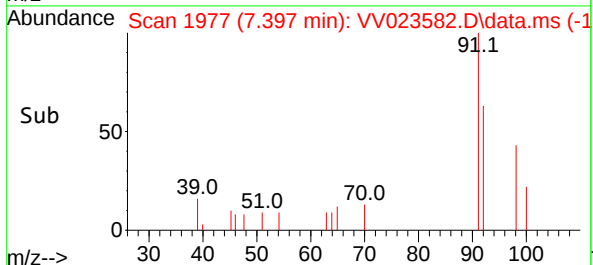
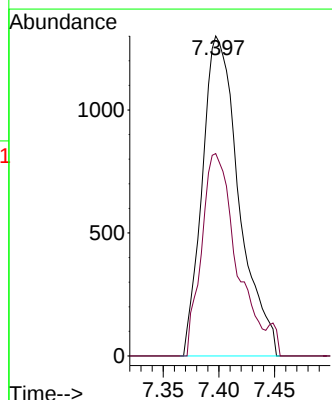
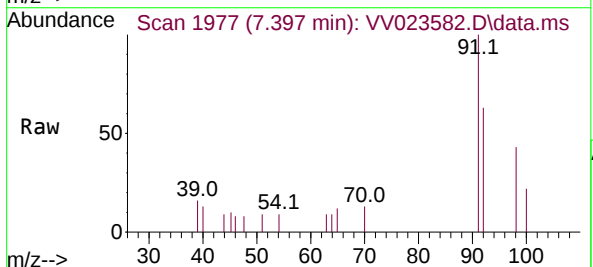
Acq: 17 Nov 2021 20:11

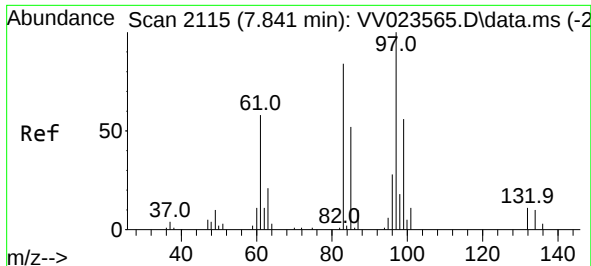
Tgt Ion: 91 Resp: 2979

Ion Ratio Lower Upper

91 100

92 63.3 39.3 72.9

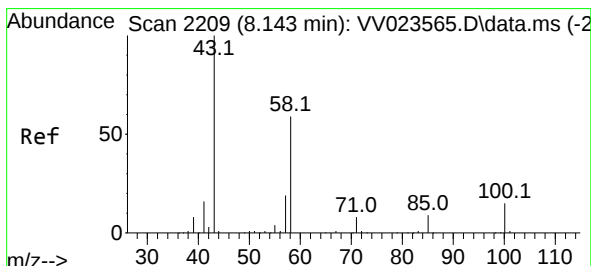
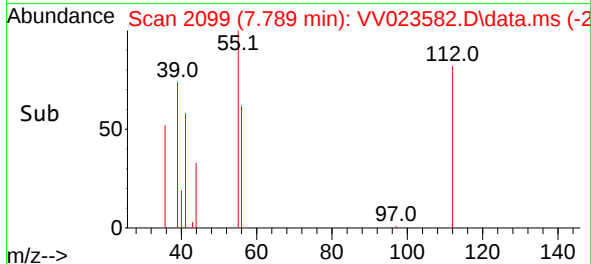
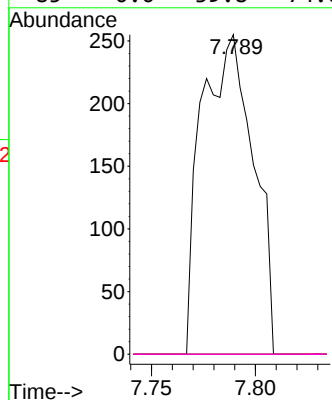
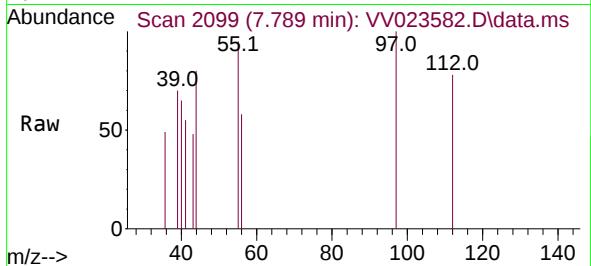




#45
1,1,2-Trichloroethane
Concen: 0.075 ug/L
RT: 7.789 min Scan# 2099
Delta R.T. -0.051 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

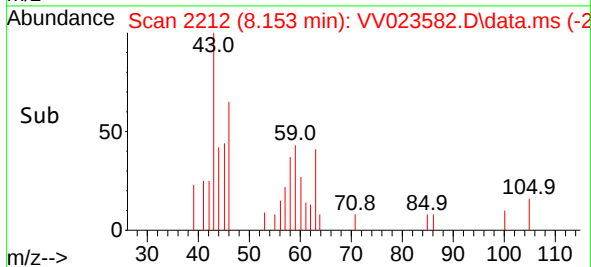
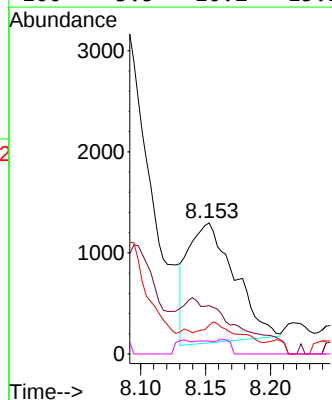
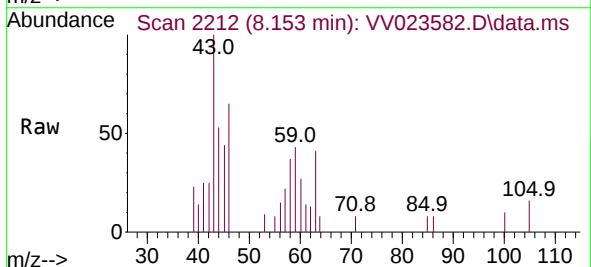
Instrument : MSVOA_V
ClientSampleId : H4650

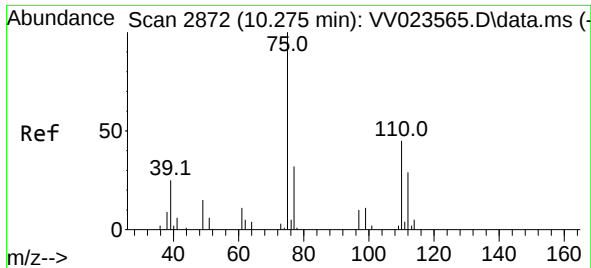
Tgt Ion: 97	Resp: 442
Ion Ratio	Lower Upper
97 100	
99 0.0	43.6 81.0#
83 0.0	58.4 108.4#
85 0.0	39.8 74.0#



#48
2-Hexanone
Concen: 1.112 ug/L
RT: 8.153 min Scan# 2212
Delta R.T. 0.010 min
Lab File: VV023582.D
Acq: 17 Nov 2021 20:11

Tgt Ion: 43	Resp: 2957
Ion Ratio	Lower Upper
43 100	
58 0.0	43.7 65.5#
57 22.4	14.1 21.1#
100 3.5	10.2 15.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.497 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV023582.D
 Acq: 17 Nov 2021 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 H4650

Tgt Ion: 75 Resp: 5875
 Ion Ratio Lower Upper
 75 100
 77 37.1 26.6 39.8
 110 2.5 31.8 47.6#

