

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027851.D
 Acq On : 15 Sep 2022 13:20
 Operator : SY/MD
 Sample : N4621-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB8G5

Quant Time: Sep 16 01:32:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 01:29:01 2022
 Response via : Initial Calibration

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

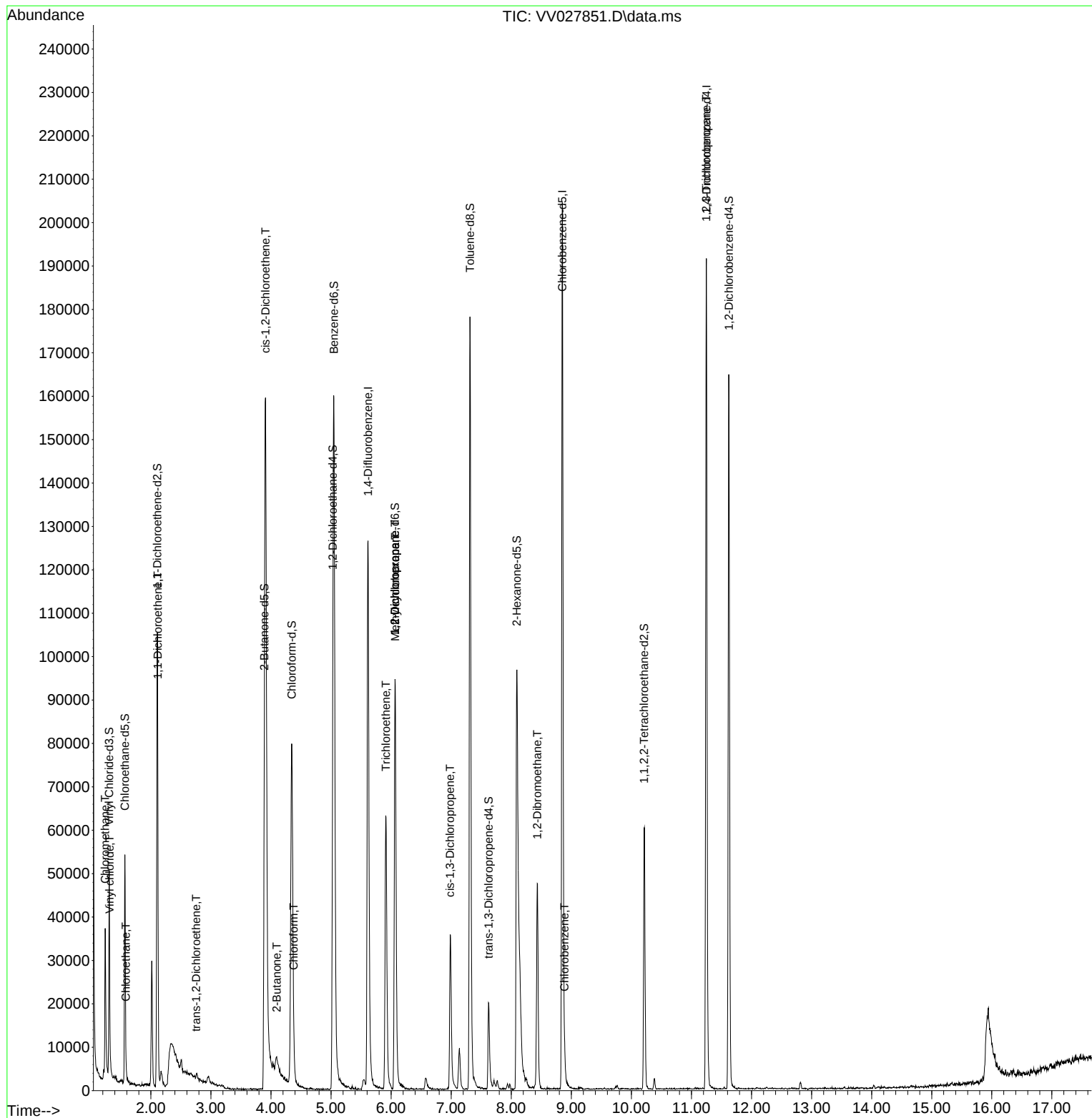
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	119006	5.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.850	117	119455	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55648	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	30524	3.891	ug/L	0.01
Spiked Amount	5.000	Range 40 - 130	Recovery	=	77.800%	
7) Chloroethane-d5	1.568	69	33162	4.983	ug/L	0.01
Spiked Amount	5.000	Range 65 - 130	Recovery	=	99.600%	
11) 1,1-Dichloroethene-d2	2.108	63	55412	3.329	ug/L	0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	=	66.600%	
20) 2-Butanone-d5	3.889	46	41156	23.674	ug/L	-0.05
Spiked Amount	50.000	Range 40 - 130	Recovery	=	47.340%	
24) Chloroform-d	4.346	84	85272	5.309	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.200%	
26) 1,2-Dichloroethane-d4	5.030	65	41949	4.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.000%	
32) Benzene-d6	5.047	84	151689	4.377	ug/L	0.02
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	6.066	67	42918	4.230	ug/L	0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.600%	
41) Toluene-d8	7.313	98	126338	4.335	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.800%	
43) trans-1,3-Dichloroprop...	7.622	79	13146	3.862	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	77.200%	
46) 2-Hexanone-d5	8.091	63	46830	37.012	ug/L	-0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	=	74.020%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	28228	4.332	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.600%	
66) 1,2-Dichlorobenzene-d4	11.622	152	46389	5.075	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	25674	2.414	ug/L	96
5) Vinyl chloride	1.314	62	1085	0.101	ug/L	# 70
8) Chloroethane	1.584	64	662	0.108	ug/L	# 71
12) 1,1-Dichloroethene	2.114	96	894	0.113	ug/L	# 1
18) trans-1,2-Dichloroethene	2.754	96	284	0.034	ug/L	# 31
21) 2-Butanone	4.095	43	7276	3.979	ug/L	# 60
22) cis-1,2-Dichloroethene	3.908	96	87993	9.693	ug/L	# 85
25) Chloroform	4.378	83	1781	0.103	ug/L	97
34) Trichloroethene	5.911	95	22750	2.304	ug/L	94
35) Methylcyclohexane	6.069	83	11660	0.769	ug/L	# 19
37) 1,2-Dichloropropane	6.066	63	5567	0.595	ug/L	# 85
39) cis-1,3-Dichloropropene	6.982	75	1114	0.094	ug/L	# 53
50) 1,2-Dibromoethane	8.432	107	307	0.056	ug/L	# 97
51) Chlorobenzene	8.886	112	2723	0.110	ug/L	# 84
61) 1,2,3-Trichloropropane	11.246	75	5496	1.247	ug/L	# 61

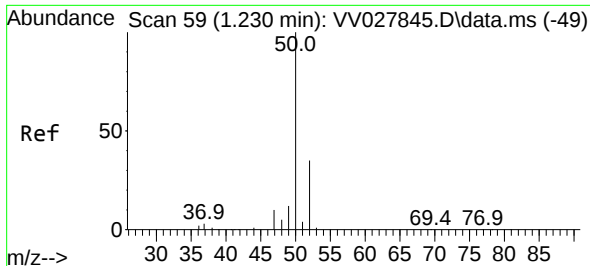
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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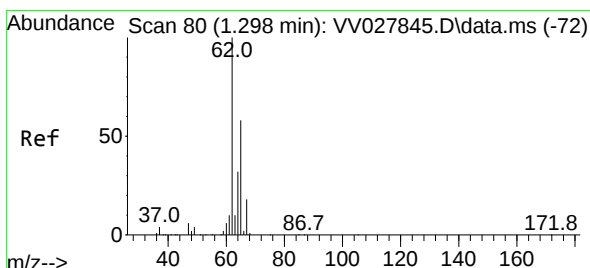
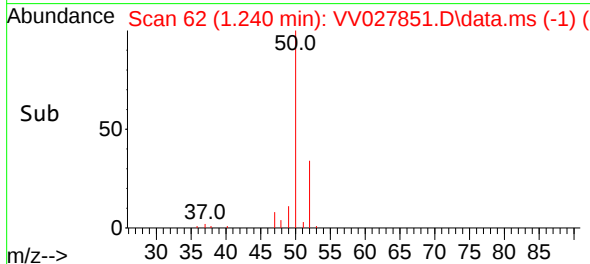
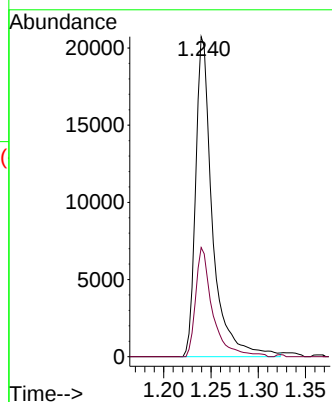
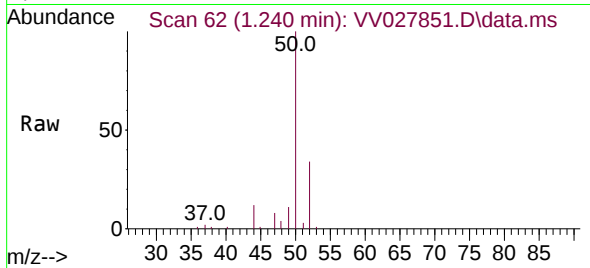




#3
Chloromethane
Concen: 2.414 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.010 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

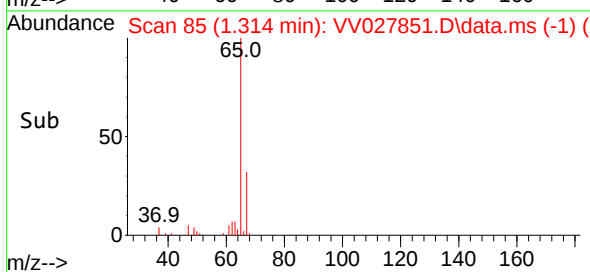
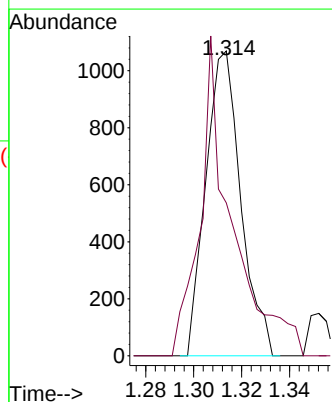
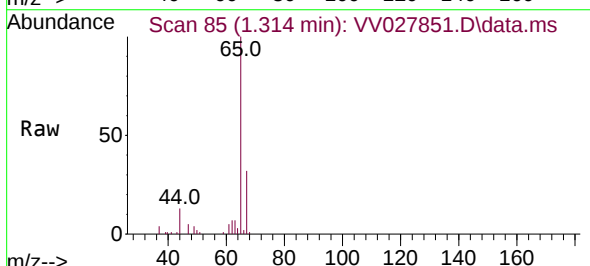
Instrument :
MSVOA_V
ClientSampleId :
CB8G5

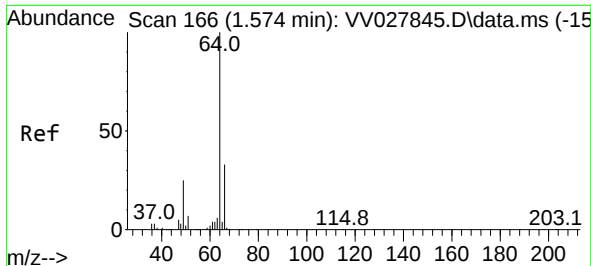
Tgt Ion: 50 Resp: 25674
Ion Ratio Lower Upper
50 100
52 34.1 22.1 41.1



#5
Vinyl chloride
Concen: 0.101 ug/L
RT: 1.314 min Scan# 85
Delta R.T. 0.016 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

Tgt Ion: 62 Resp: 1085
Ion Ratio Lower Upper
62 100
64 50.2 23.2 43.2#

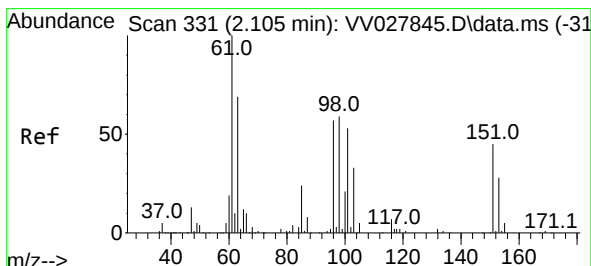
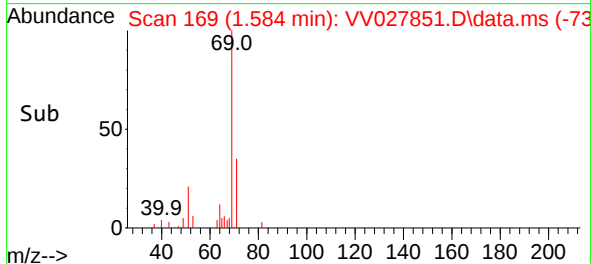
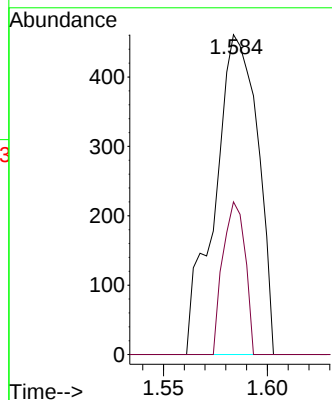
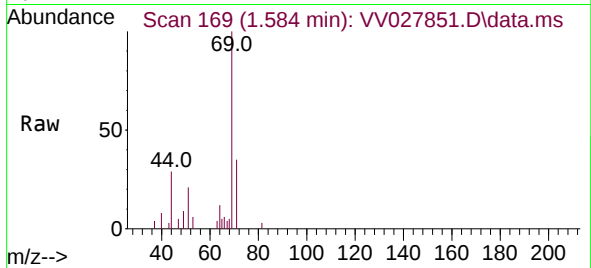




#8
Chloroethane
Concen: 0.108 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

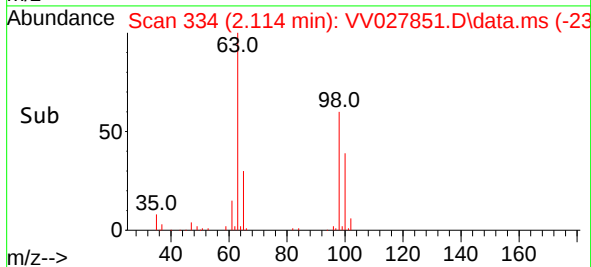
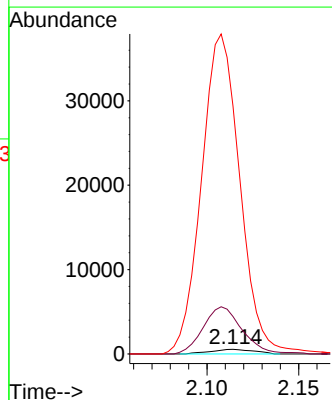
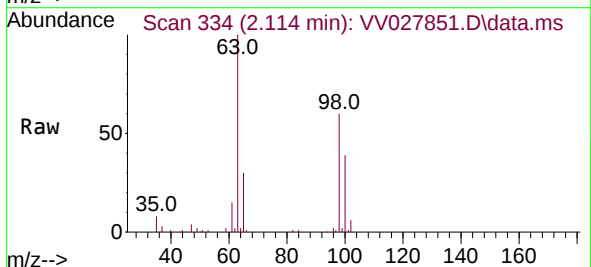
Instrument :
MSVOA_V
ClientSampleId :
CB8G5

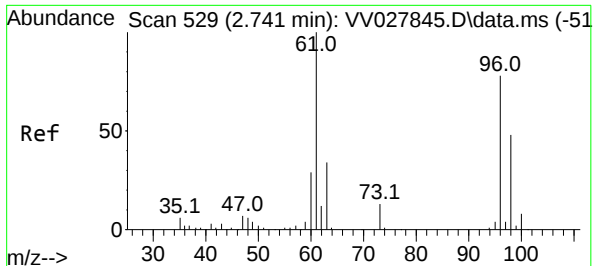
Tgt Ion: 64 Resp: 662
Ion Ratio Lower Upper
64 100
66 47.7 22.1 41.1#



#12
1,1-Dichloroethene
Concen: 0.113 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.010 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

Tgt Ion: 96 Resp: 894
Ion Ratio Lower Upper
96 100
61 801.3 129.9 241.3#
63 5313.6 94.6 175.8#

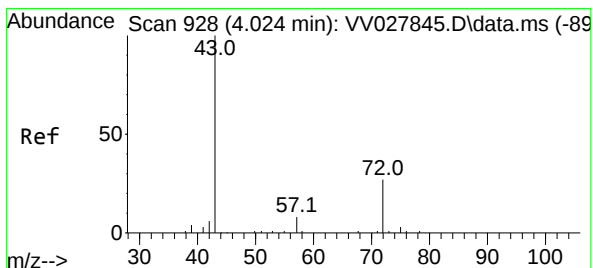
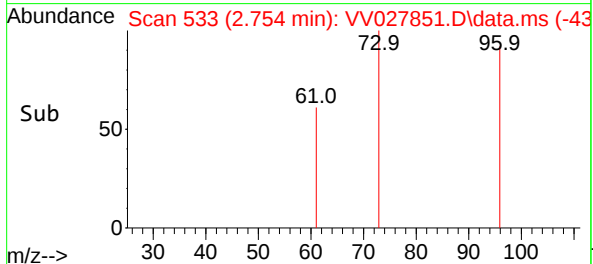
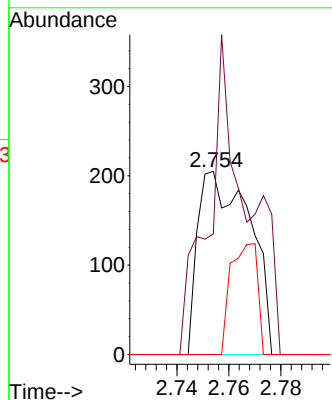
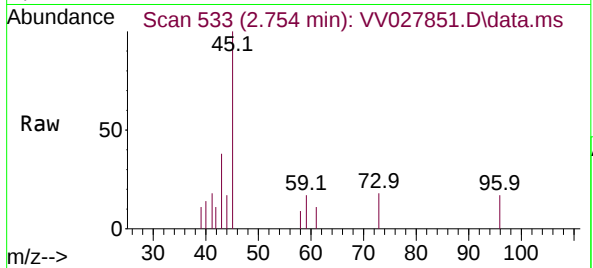




#18
trans-1,2-Dichloroethene
Concen: 0.034 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.013 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

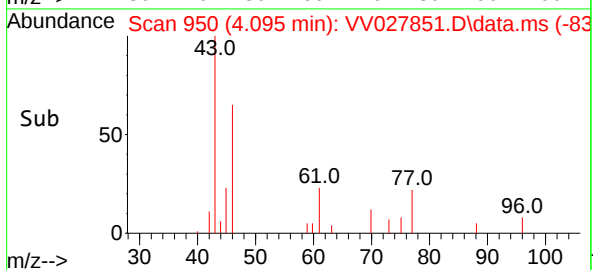
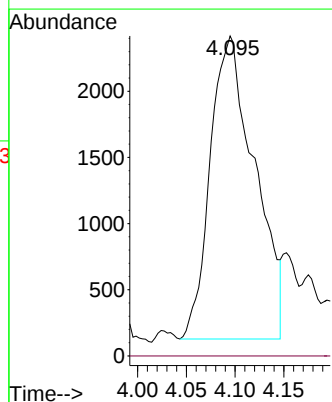
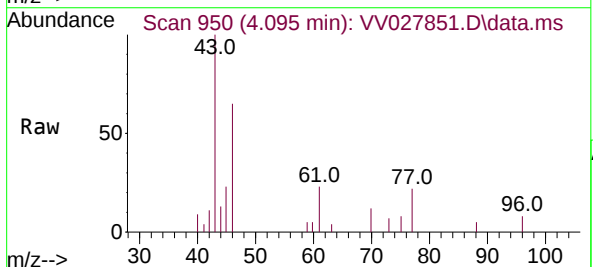
Instrument :
MSVOA_V
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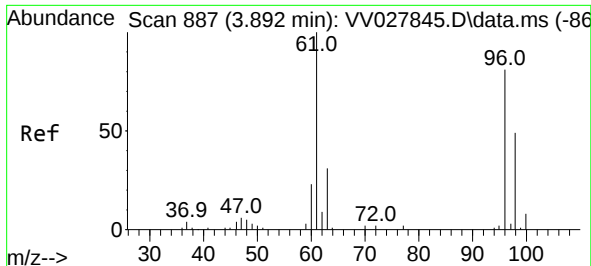
Tgt Ion: 96 Resp: 284
Ion Ratio Lower Upper
96 100
61 65.9 102.6 190.5#
98 0.0 44.0 81.8#



#21
2-Butanone
Concen: 3.979 ug/L
RT: 4.095 min Scan# 950
Delta R.T. 0.071 min
Lab File: VV027851.D
Acq: 15 Sep 2022 13:20

Tgt Ion: 43 Resp: 7276
Ion Ratio Lower Upper
43 100
72 5.8 13.0 39.0#





#22

cis-1,2-Dichloroethene

Concen: 9.693 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.016 min

Lab File: VV027851.D

Acq: 15 Sep 2022 13:20

Instrument :

MSVOA_V

ClientSampleId :

CB8G5

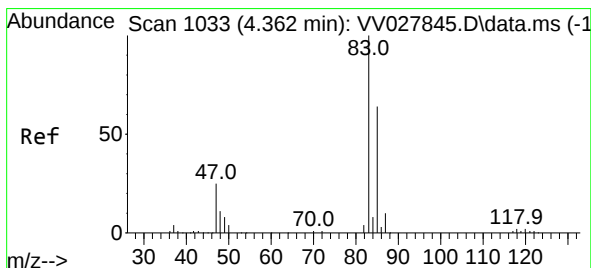
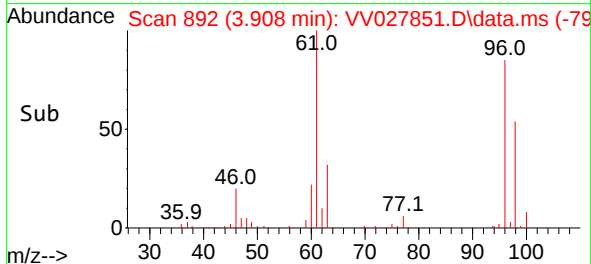
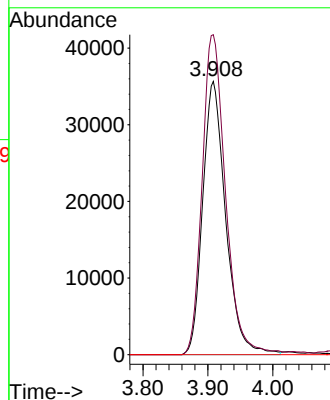
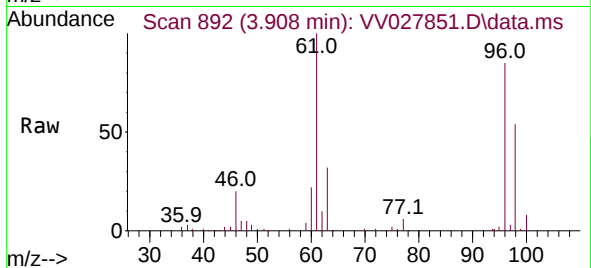
Tgt Ion: 96 Resp: 87993

Ion Ratio Lower Upper

96 100

61 117.1 94.6 175.6

68 0.0 0.3 0.5#



#25

Chloroform

Concen: 0.103 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.016 min

Lab File: VV027851.D

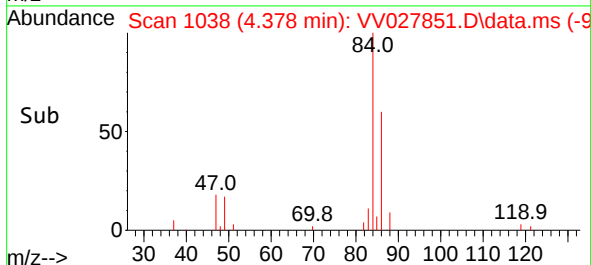
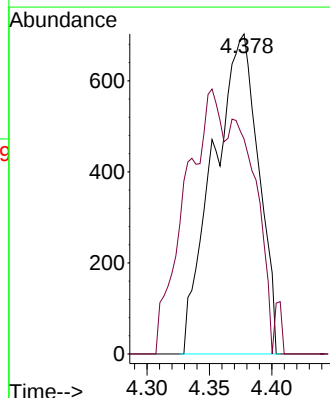
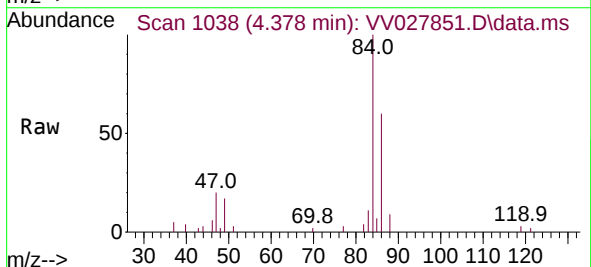
Acq: 15 Sep 2022 13:20

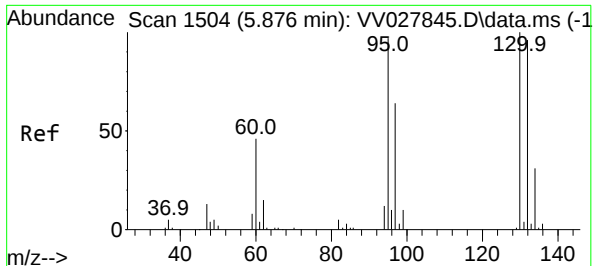
Tgt Ion: 83 Resp: 1781

Ion Ratio Lower Upper

83 100

85 67.1 45.4 84.2





#34

Trichloroethene

Concen: 2.304 ug/L

RT: 5.911 min Scan# 1

Delta R.T. 0.035 min

Lab File: VV027851.D

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MSVOA_V

ClientSampleId :

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Tgt Ion: 95 Resp: 22750

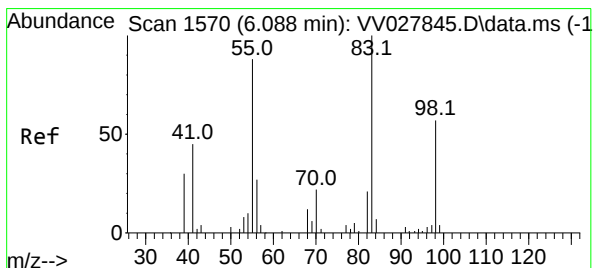
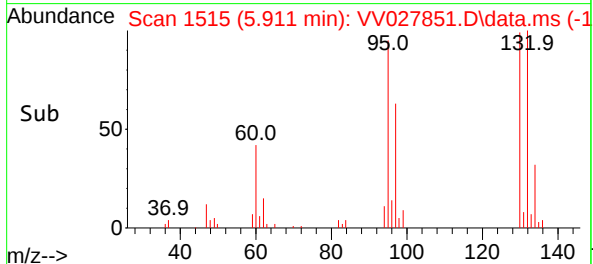
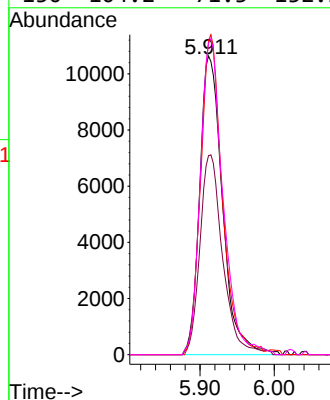
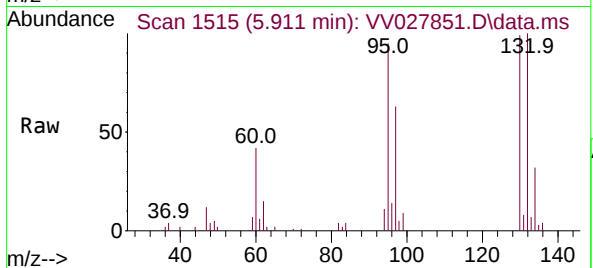
Ion Ratio Lower Upper

95 100

97 66.6 42.9 79.7

132 105.2 67.9 126.1

130 104.2 71.3 132.3



#35

Methylcyclohexane

Concen: 0.769 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.019 min

Lab File: VV027851.D

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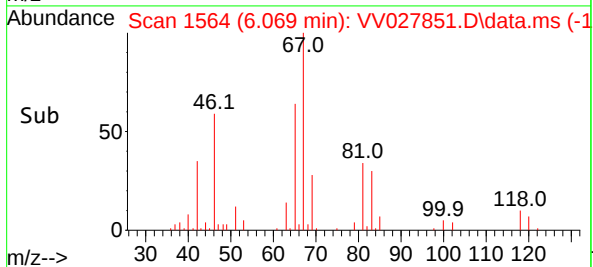
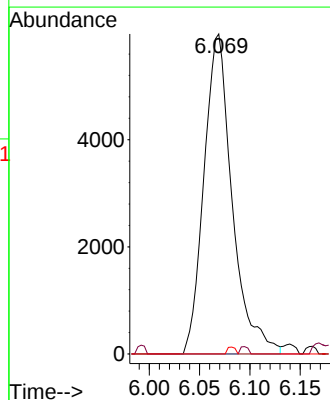
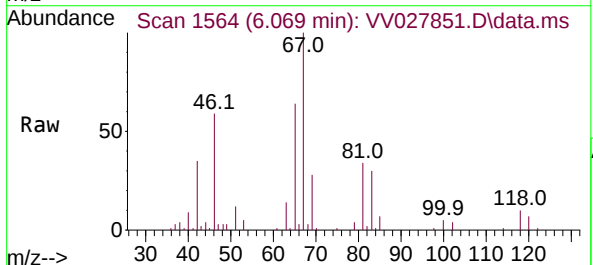
Tgt Ion: 83 Resp: 11660

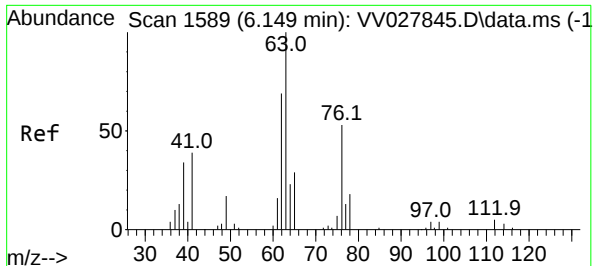
Ion Ratio Lower Upper

83 100

55 0.6 61.9 92.9#

98 0.6 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.595 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.084 min

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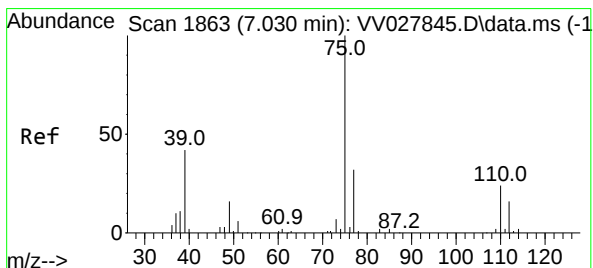
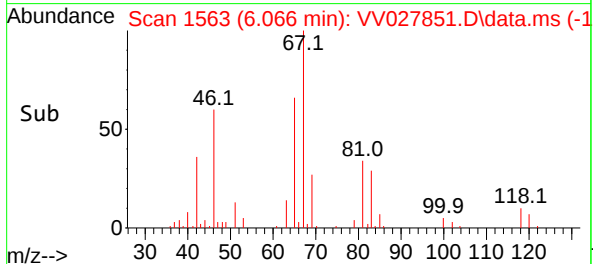
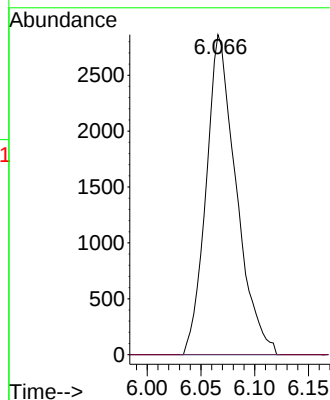
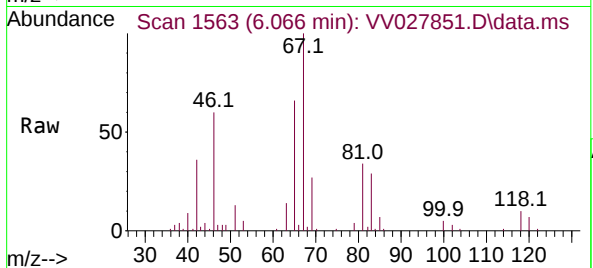
CB8G5

Tgt Ion: 63 Resp: 5567

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.048 min

Lab File: VV027851.D

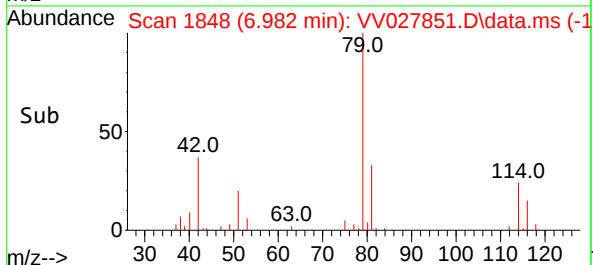
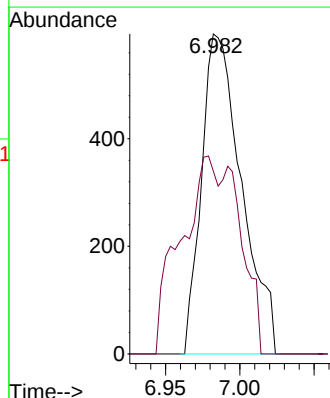
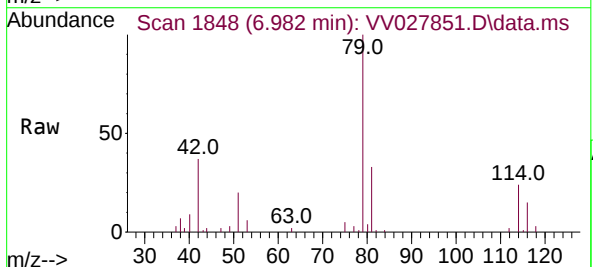
Acq: 15 Sep 2022 13:20

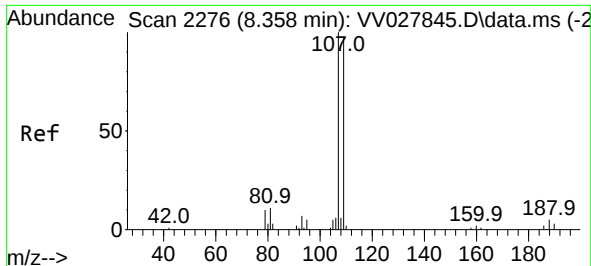
Tgt Ion: 75 Resp: 1114

Ion Ratio Lower Upper

75 100

77 57.1 22.0 40.8#





#50

1,2-Dibromoethane

Concen: 0.056 ug/L

RT: 8.432 min Scan# 21

Delta R.T. 0.074 min

Lab File: VV027851.D

Acq: 15 Sep 2022 13:20

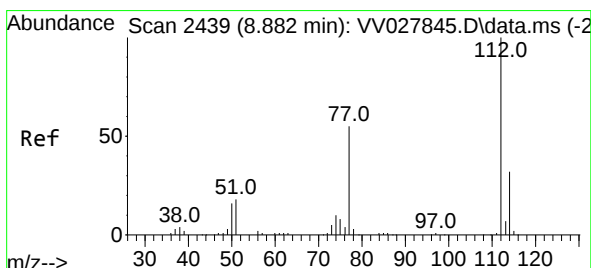
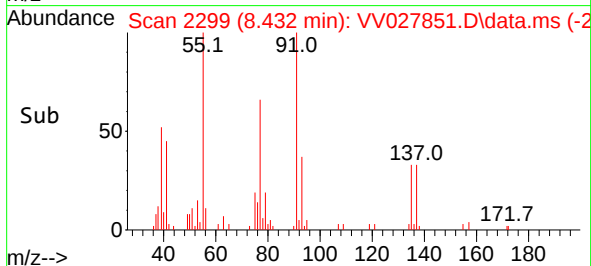
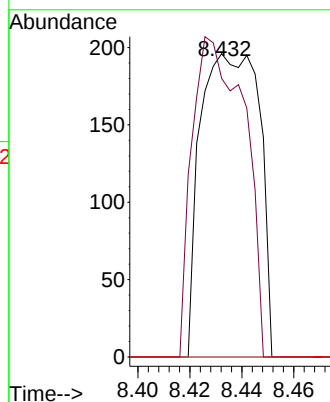
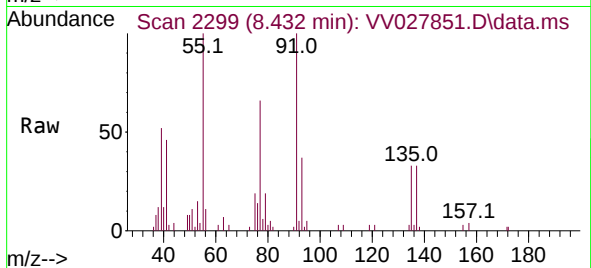
Instrument :

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Tgt Ion:107	Resp:	307
Ion	Ratio	Lower Upper
107	100	
109	91.8	65.9 122.5
188	0.0	3.1 4.7#



#51

Chlorobenzene

Concen: 0.110 ug/L

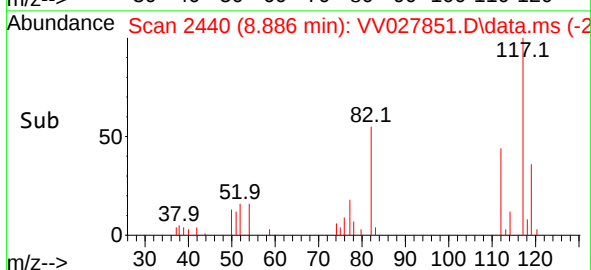
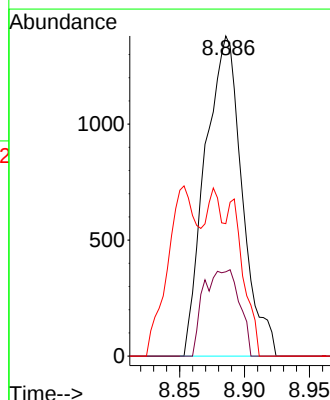
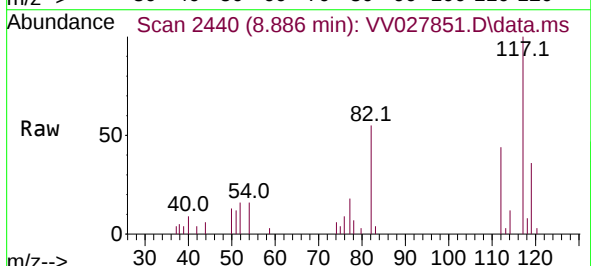
RT: 8.886 min Scan# 2440

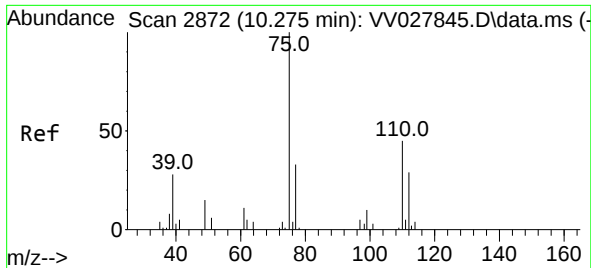
Delta R.T. 0.003 min

Lab File: VV027851.D

Acq: 15 Sep 2022 13:20

Tgt Ion:112	Resp:	2723
Ion	Ratio	Lower Upper
112	100	
114	26.3	21.7 40.3
77	41.4	45.3 67.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.247 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV027851.D
 Acq: 15 Sep 2022 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 CB8G5

Tgt Ion: 75	Resp:	5496
Ion Ratio	Lower	Upper
75	100	
77	32.6	27.6 41.4
110	1.3	35.6 53.4#

