

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111422\
 Data File : VW028967.D
 Acq On : 15 Nov 2022 03:23
 Operator : SY/MD
 Sample : N5604-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46C1

Quant Time: Nov 15 05:38:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 01:23:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	282687	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	264830	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	123491	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	58097	3.371	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.568	69	61956	4.089	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.108	63	89453	2.848	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.000%#
20) 2-Butanone-d5	3.889	46	160206	55.533	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.060%
24) Chloroform-d	4.342	84	155070	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.027	65	74128	4.656	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.047	84	315478	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	6.066	67	96022	4.350	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.310	98	283228	3.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	7.622	79	25417	3.531	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.600%
46) 2-Hexanone-d5	8.088	63	143729	46.772	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.540%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	67665	4.421	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	103157	4.669	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%

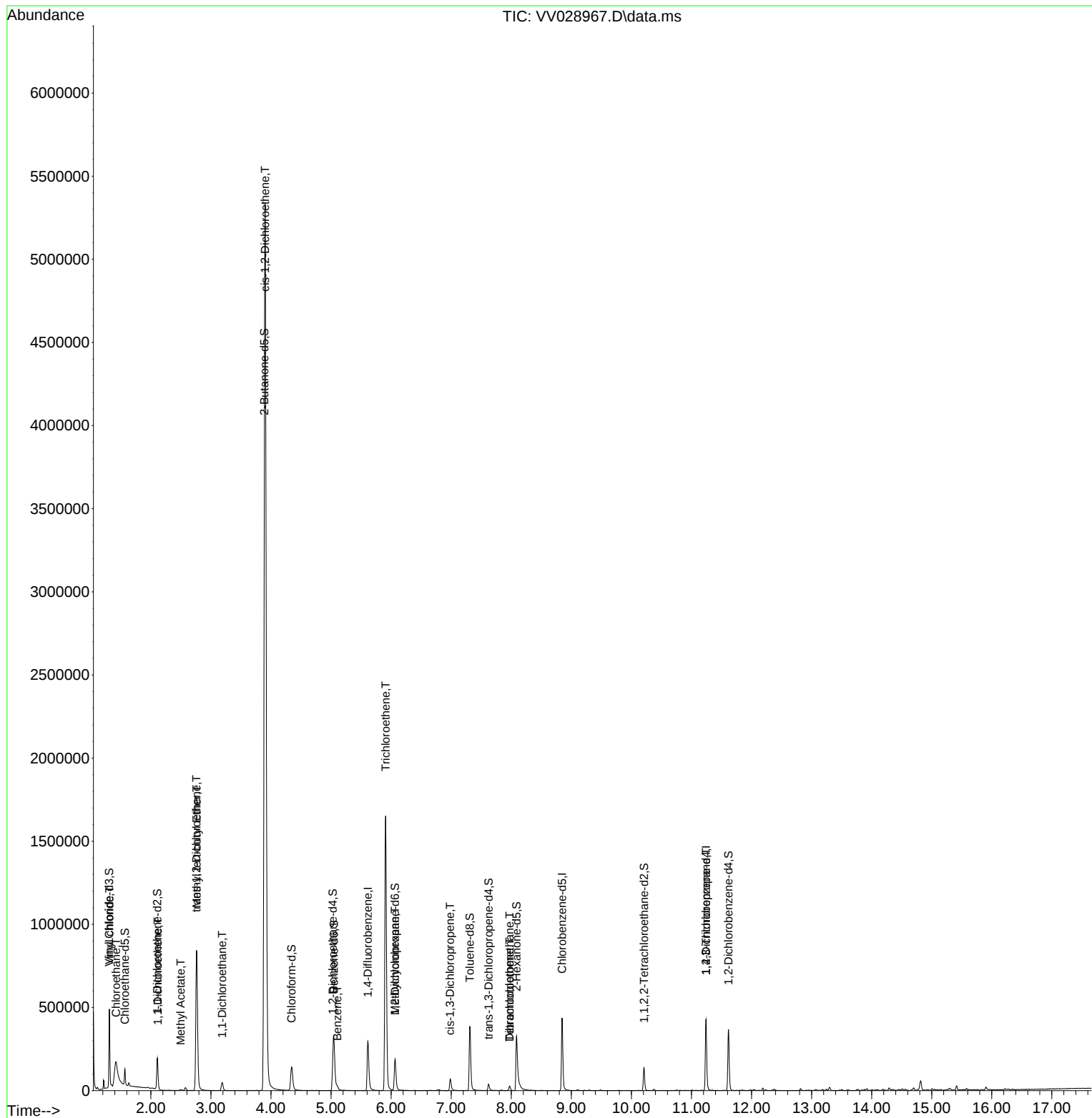
Target Compounds				Qvalue		
5) Vinyl chloride	1.310	62	228997	10.265	ug/L	96
8) Chloroethane	1.420	64	569471	43.441	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	7551	0.441	ug/L #	1
15) Methyl Acetate	2.497	43	2758	0.612	ug/L #	44
17) Methyl tert-butyl Ether	2.764	73	686742	18.718	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	99273	5.002	ug/L	96
19) 1,1-Dichloroethane	3.188	63	49350	1.521	ug/L	100
22) cis-1,2-Dichloroethene	3.902	96	3179277	157.563	ug/L	98
33) Benzene	5.101	78	28454	0.352	ug/L	100
34) Trichloroethene	5.908	95	594689	28.704	ug/L	98
35) Methylcyclohexane	6.066	83	23672	0.650	ug/L #	21
39) cis-1,3-Dichloropropene	6.982	75	1800	0.069	ug/L #	66
47) Tetrachloroethene	7.973	164	7002	0.422	ug/L	98
49) Dibromochloromethane	7.976	129	6277	0.425	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	13198	1.564	ug/L #	66

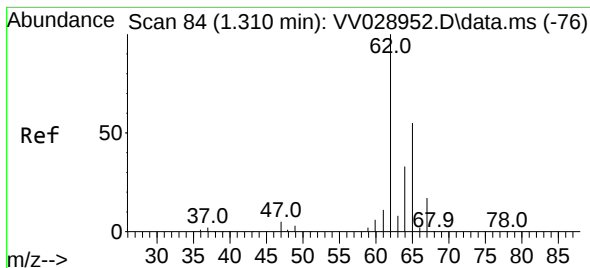
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.265 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV028967.D

Acq: 15 Nov 2022 03:23

Instrument :

MSVOA_V

ClientSampleId :

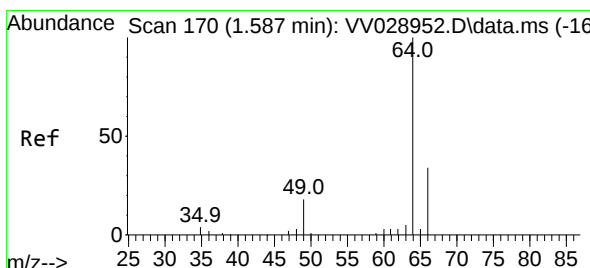
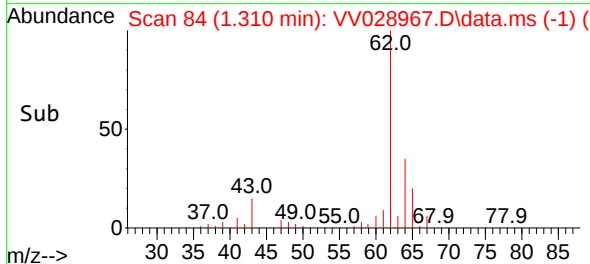
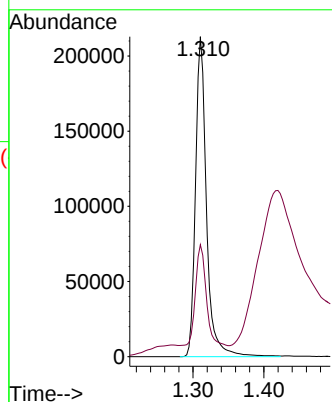
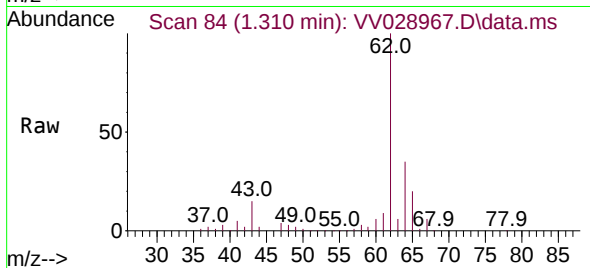
H46C1

Tgt Ion: 62 Resp: 228997

Ion Ratio Lower Upper

62 100

64 35.0 22.8 42.4



#8

Chloroethane

Concen: 43.441 ug/L

RT: 1.420 min Scan# 118

Delta R.T. -0.167 min

Lab File: VV028967.D

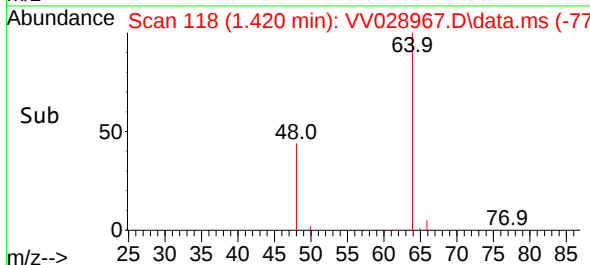
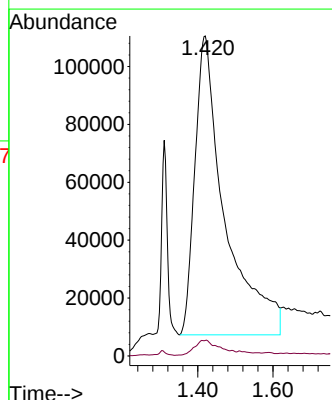
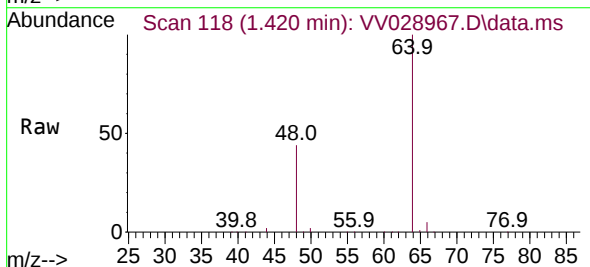
Acq: 15 Nov 2022 03:23

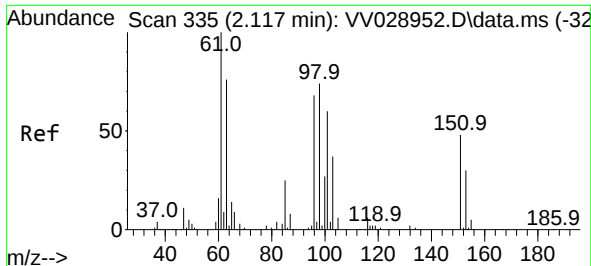
Tgt Ion: 64 Resp: 569471

Ion Ratio Lower Upper

64 100

66 4.9 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 0.441 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028967.D

Acq: 15 Nov 2022 03:23

Instrument :

MSVOA_V

ClientSampleId :

H46C1

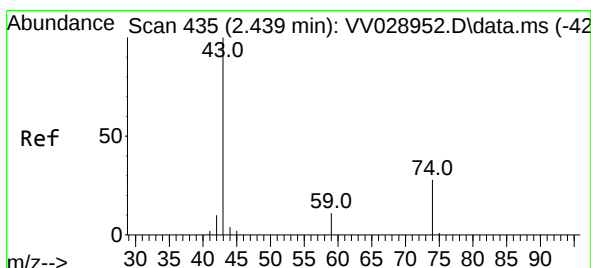
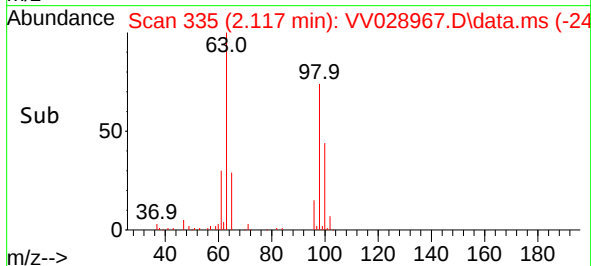
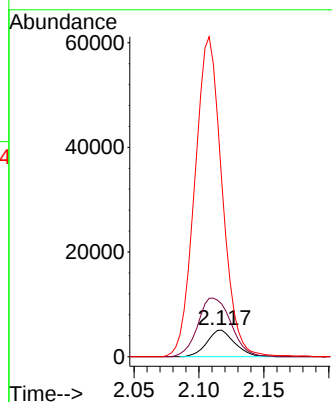
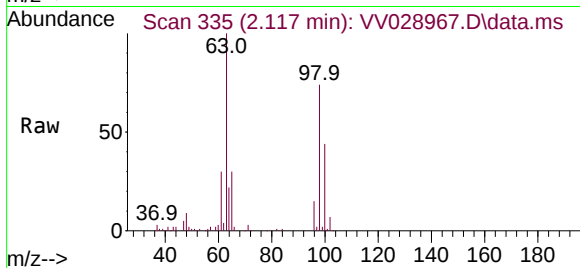
Tgt Ion: 96 Resp: 7551

Ion Ratio Lower Upper

96 100

61 198.9 104.2 193.4#

63 666.0 75.9 140.9#



#15

Methyl Acetate

Concen: 0.612 ug/L

RT: 2.497 min Scan# 453

Delta R.T. 0.058 min

Lab File: VV028967.D

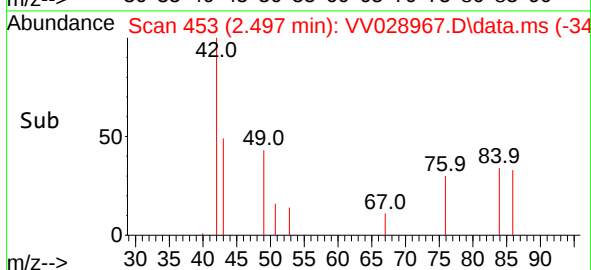
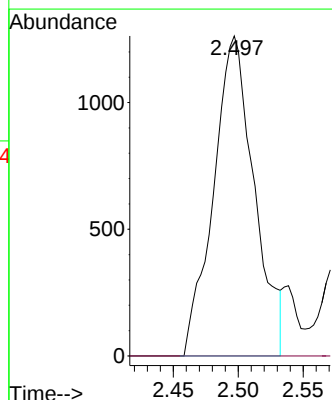
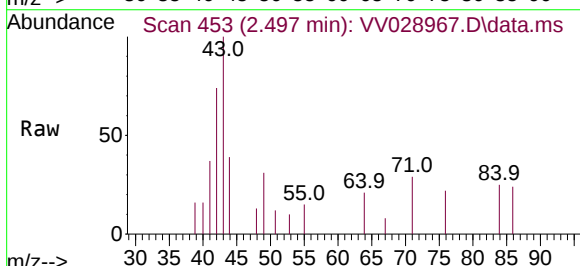
Acq: 15 Nov 2022 03:23

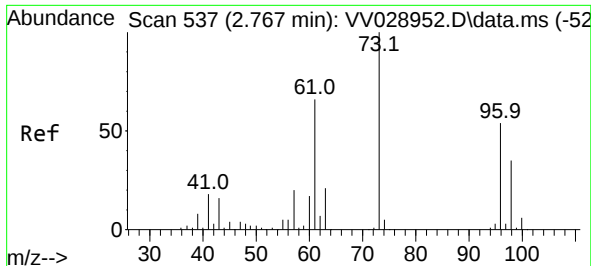
Tgt Ion: 43 Resp: 2758

Ion Ratio Lower Upper

43 100

74 0.0 24.6 37.0#

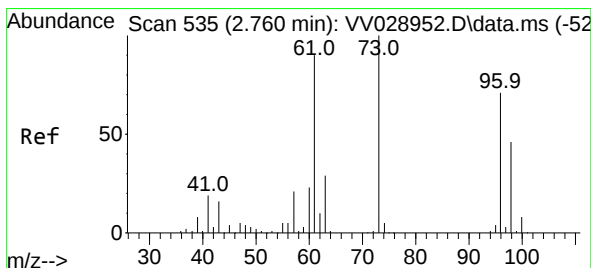
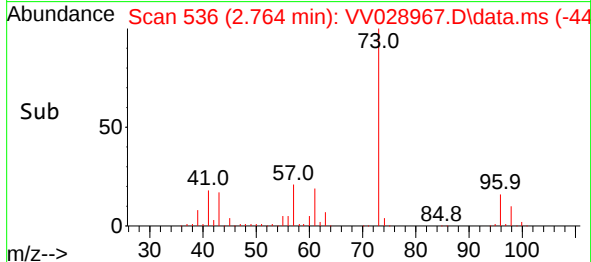
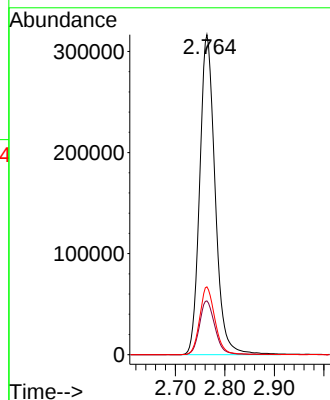
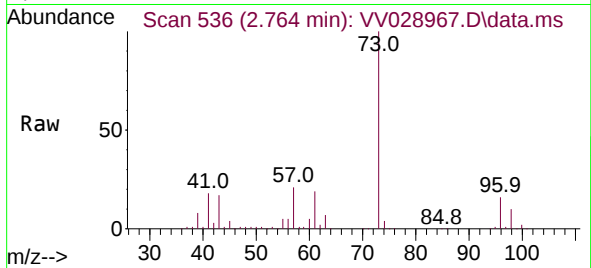




#17
Methyl tert-butyl Ether
Concen: 18.718 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

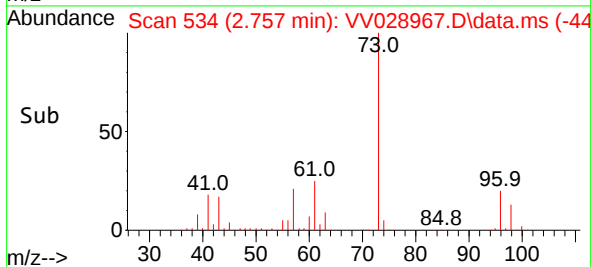
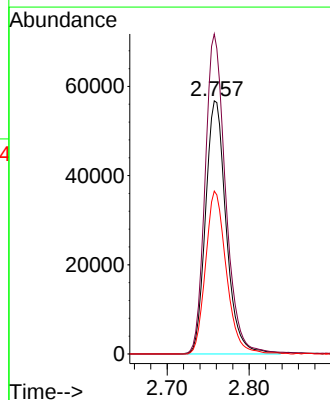
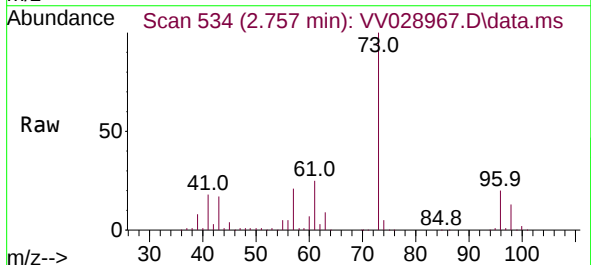
Instrument :
MSVOA_V
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H46C1

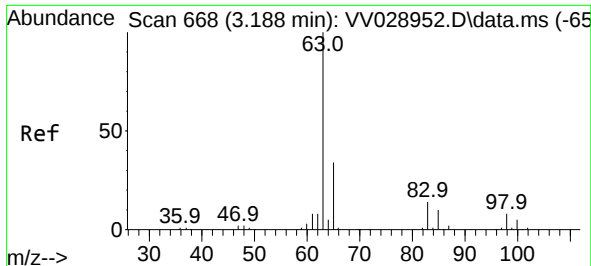
Tgt Ion: 73 Resp: 686742
Ion Ratio Lower Upper
73 100
43 17.0 13.0 19.4
57 20.9 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 5.002 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

Tgt Ion: 96 Resp: 99273
Ion Ratio Lower Upper
96 100
61 126.4 91.8 170.6
98 64.4 46.4 86.2





#19

1,1-Dichloroethane

Concen: 1.521 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028967.D

Acq: 15 Nov 2022 03:23

Instrument :

MSVOA_V

ClientSampleId :

H46C1

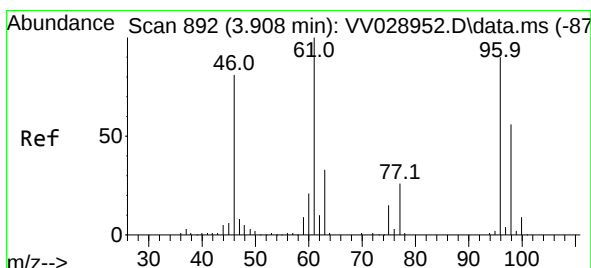
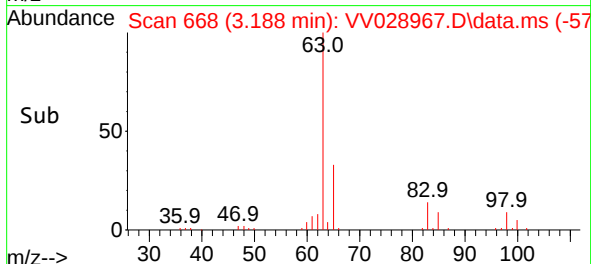
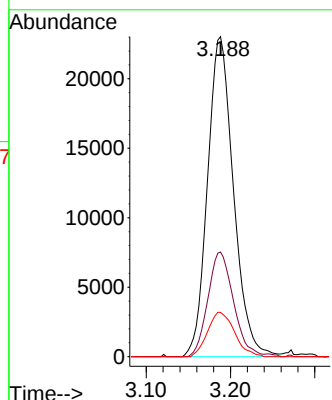
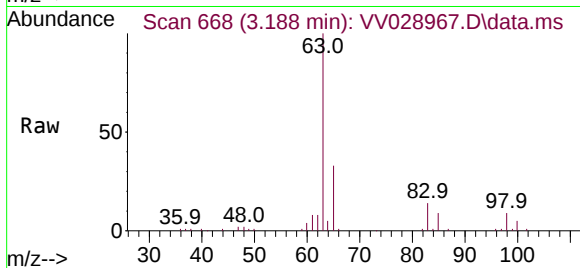
Tgt Ion: 63 Resp: 49350

Ion Ratio Lower Upper

63 100

65 32.7 23.0 42.6

83 13.9 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 157.563 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.006 min

Lab File: VV028967.D

Acq: 15 Nov 2022 03:23

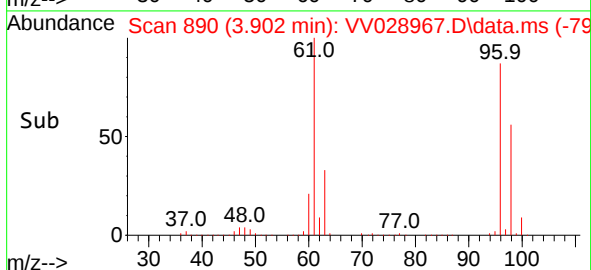
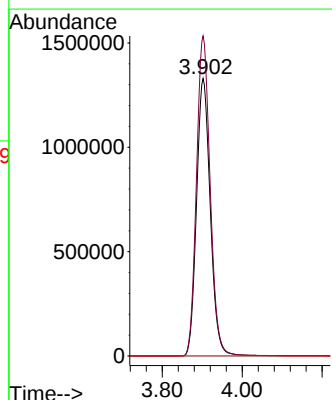
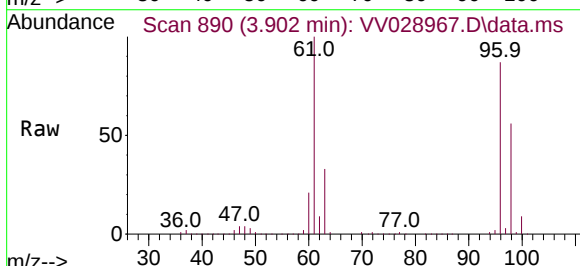
Tgt Ion: 96 Resp: 3179277

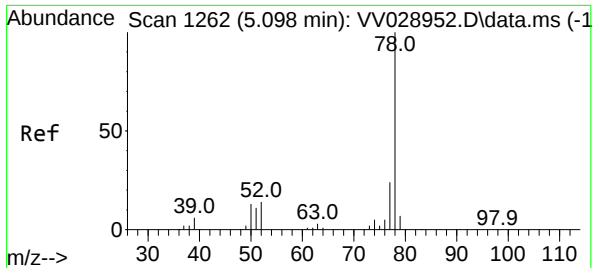
Ion Ratio Lower Upper

96 100

61 115.3 82.3 152.9

68 0.0 0.0 0.0

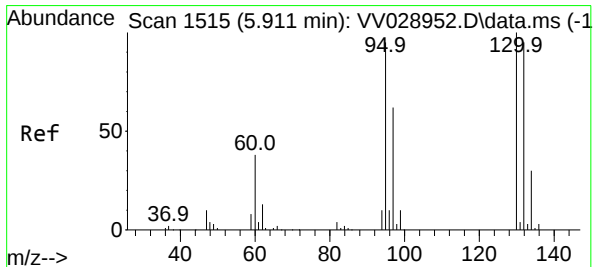
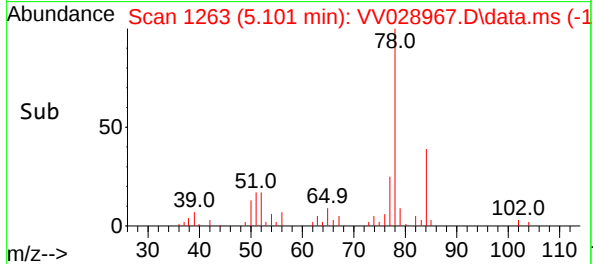
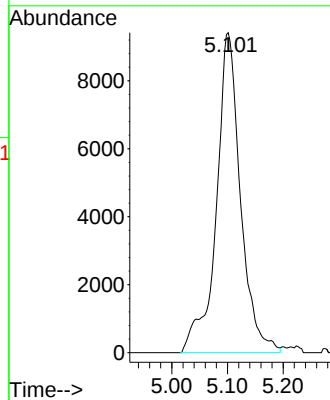
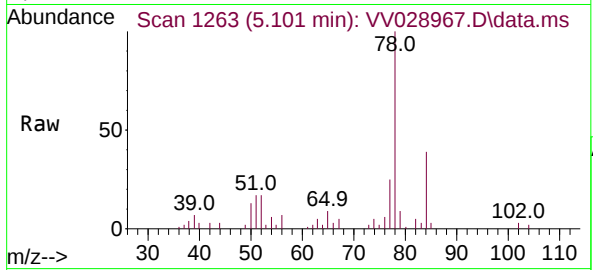




#33
Benzene
Concen: 0.352 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

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H46C1

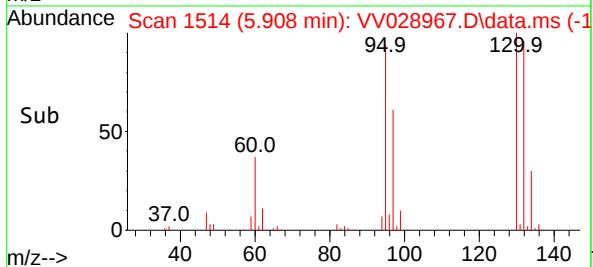
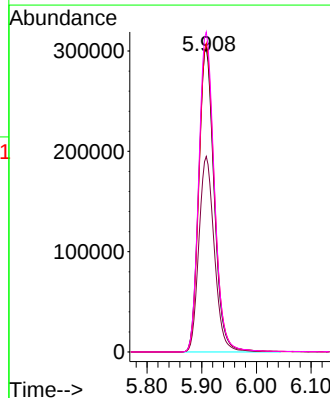
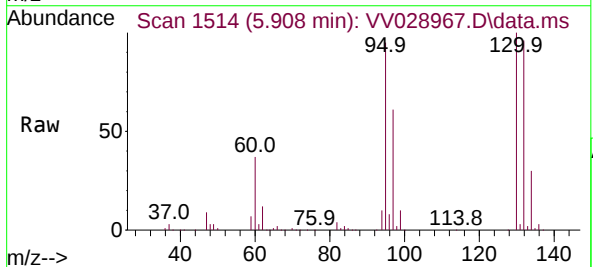
Tgt Ion: 78 Resp: 28454

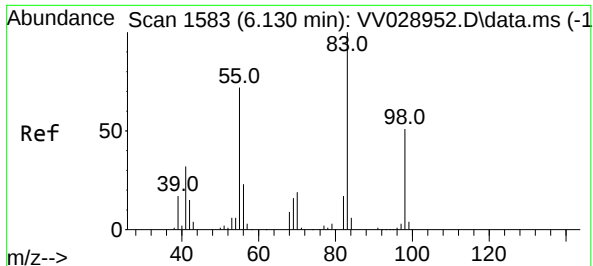


#34
Trichloroethene
Concen: 28.704 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

Tgt Ion: 95 Resp: 594689

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.8
132	101.5	69.1	128.3
130	105.2	74.9	139.1

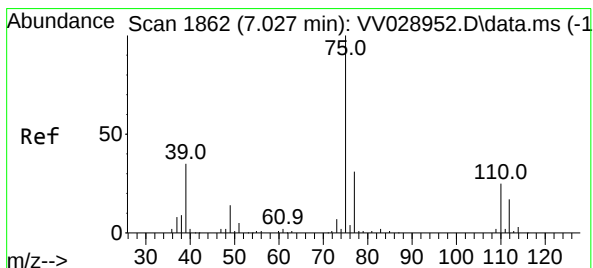
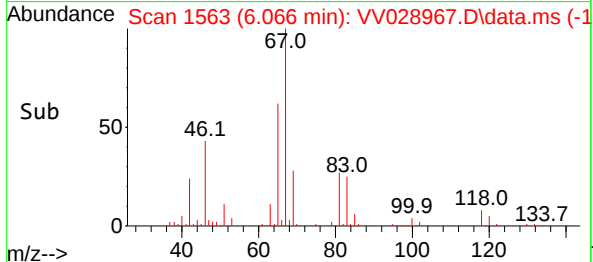
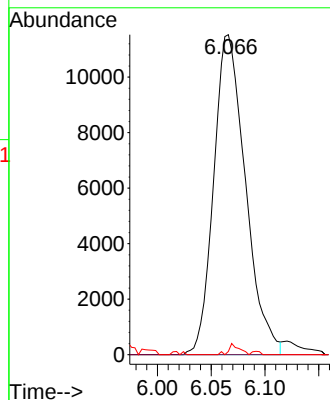
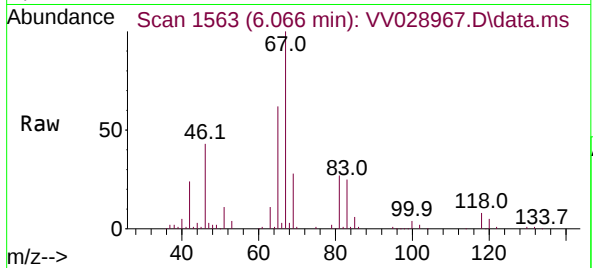




#35
Methylcyclohexane
Concen: 0.650 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

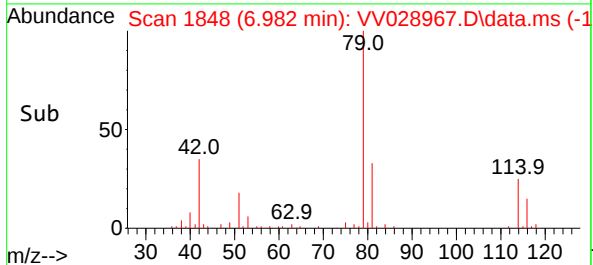
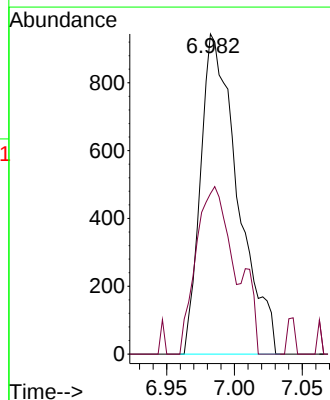
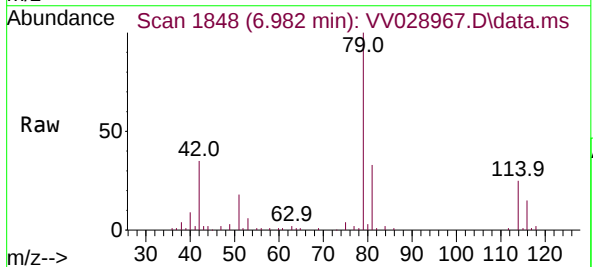
Instrument :
MSVOA_V
ClientSampleId :
H46C1

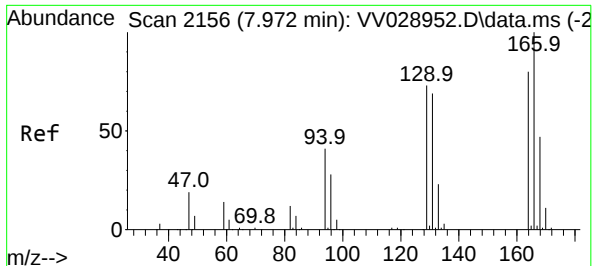
Tgt Ion: 83 Resp: 23672
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 0.0 38.2 57.2#



#39
cis-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.045 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

Tgt Ion: 75 Resp: 1800
Ion Ratio Lower Upper
75 100
77 50.1 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.422 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV028967.D

Acq: 15 Nov 2022 03:23

Instrument :

MSVOA_V

ClientSampleId :

H46C1

Tgt Ion:164 Resp: 7002

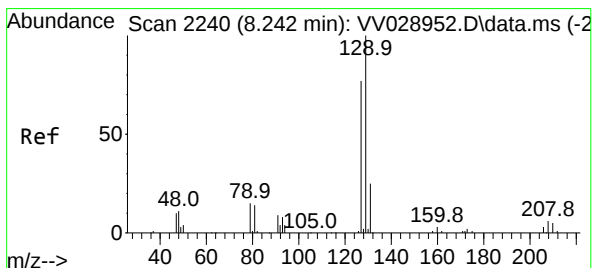
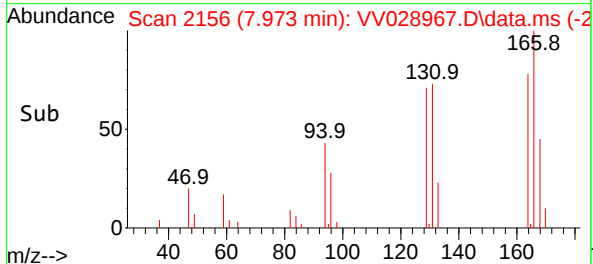
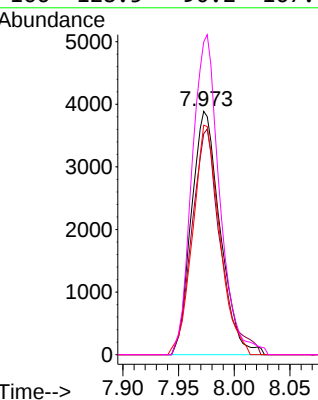
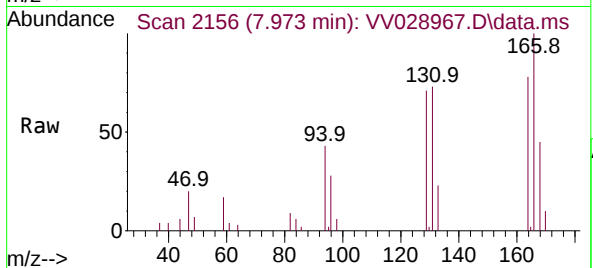
Ion Ratio Lower Upper

164 100

129 90.7 63.9 118.7

131 94.3 61.8 114.8

166 128.5 90.2 167.4



#49

Dibromochloromethane

Concen: 0.425 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV028967.D

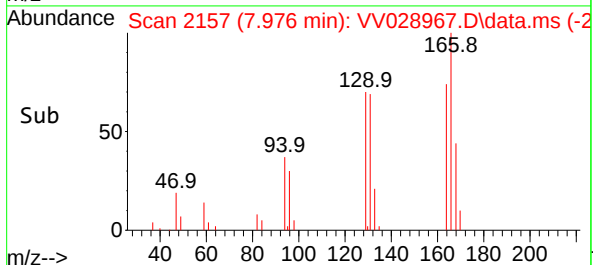
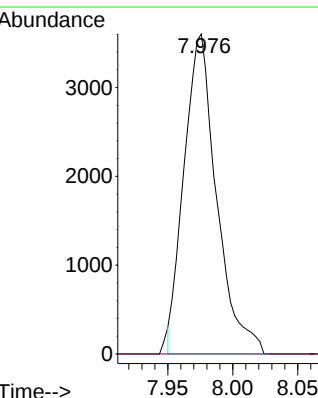
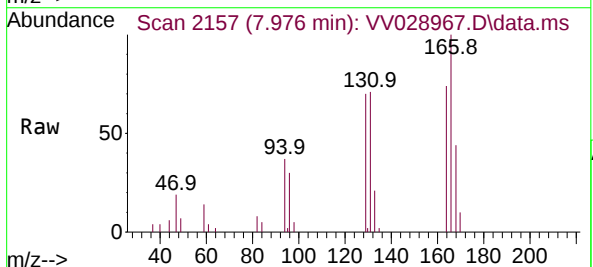
Acq: 15 Nov 2022 03:23

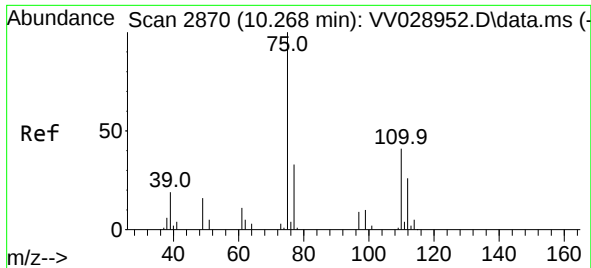
Tgt Ion:129 Resp: 6277

Ion Ratio Lower Upper

129 100

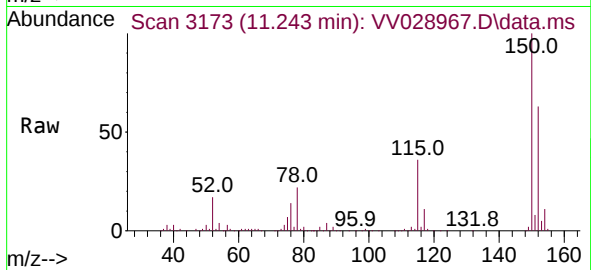
127 0.0 54.5 101.1#





#61
1,2,3-Trichloropropane
Concen: 1.564 ug/L
RT: 11.243 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV028967.D
Acq: 15 Nov 2022 03:23

Instrument :
MSVOA_V
ClientSampleId :
H46C1



Tgt Ion:	75	Resp:	13198
Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.2	39.2
110	3.2	32.6	48.8#

