

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100521\
 Data File : VW022582.D
 Acq On : 05 Oct 2021 17:51
 Operator : SY/MD
 Sample : M4052-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 05:30:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 06 05:22:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	97612	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	92729	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	42284	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37942	12.132	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	242.600%#	
7) Chloroethane-d5	1.565	69	32960	7.818	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	156.400%#	
11) 1,1-Dichloroethene-d2	2.105	63	57028	6.285	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	125.600%#	
20) 2-Butanone-d5	3.889	46	85278	46.128	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	92.260%	
24) Chloroform-d	4.349	84	70203	5.829	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	116.600%	
26) 1,2-Dichloroethane-d4	5.034	65	35155	6.197	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	124.000%	
32) Benzene-d6	5.050	84	140525	6.725	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	134.600%#	
36) 1,2-Dichloropropane-d6	6.069	67	41838	5.675	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	113.400%	
41) Toluene-d8	7.317	98	119200	6.805	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	136.000%#	
43) trans-1,3-Dichloroprop...	7.629	79	12343	6.326	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	126.600%	
46) 2-Hexanone-d5	8.092	63	57078	47.249	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.500%	
56) 1,1,2,2-Tetrachloroeth...	10.220	84	28137	5.023	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	100.400%	
66) 1,2-Dichlorobenzene-d4	11.625	152	44719	6.837	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	136.800%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	326	0.043	ug/L #	1
12) 1,1-Dichloroethene	2.114	96	3464	0.579	ug/L #	1
14) Carbon disulfide	2.291	76	133161	7.613	ug/L	98
19) 1,1-Dichloroethane	3.188	63	661	0.057	ug/L #	86
22) cis-1,2-Dichloroethene	3.912	96	25864	3.658	ug/L	98
27) 1,2-Dichloroethane	5.053	62	796	0.117	ug/L #	74
29) 1,1,1-Trichloroethane	4.606	97	746	0.070	ug/L	94
34) Trichloroethene	5.918	95	10369	1.428	ug/L	91
35) Methylcyclohexane	6.072	83	10301	1.012	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	4971	0.815	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	995	0.121	ug/L #	66
40) 4-Methyl-2-pentanone	7.236	43	4490	1.337	ug/L #	64
42) Toluene	7.404	91	2628	0.100	ug/L	93
47) Tetrachloroethene	7.973	164	1190	0.211	ug/L	88
48) 2-Hexanone	8.143	43	6376	2.639	ug/L #	82
49) Dibromochloromethane	7.979	129	1111	0.207	ug/L #	12
55) Styrene	9.574	104	1002	0.058	ug/L	85
61) 1,2,3-Trichloropropane	11.249	75	4528	1.445	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 06 05:22:36 2021
Response via : Initial Calibration

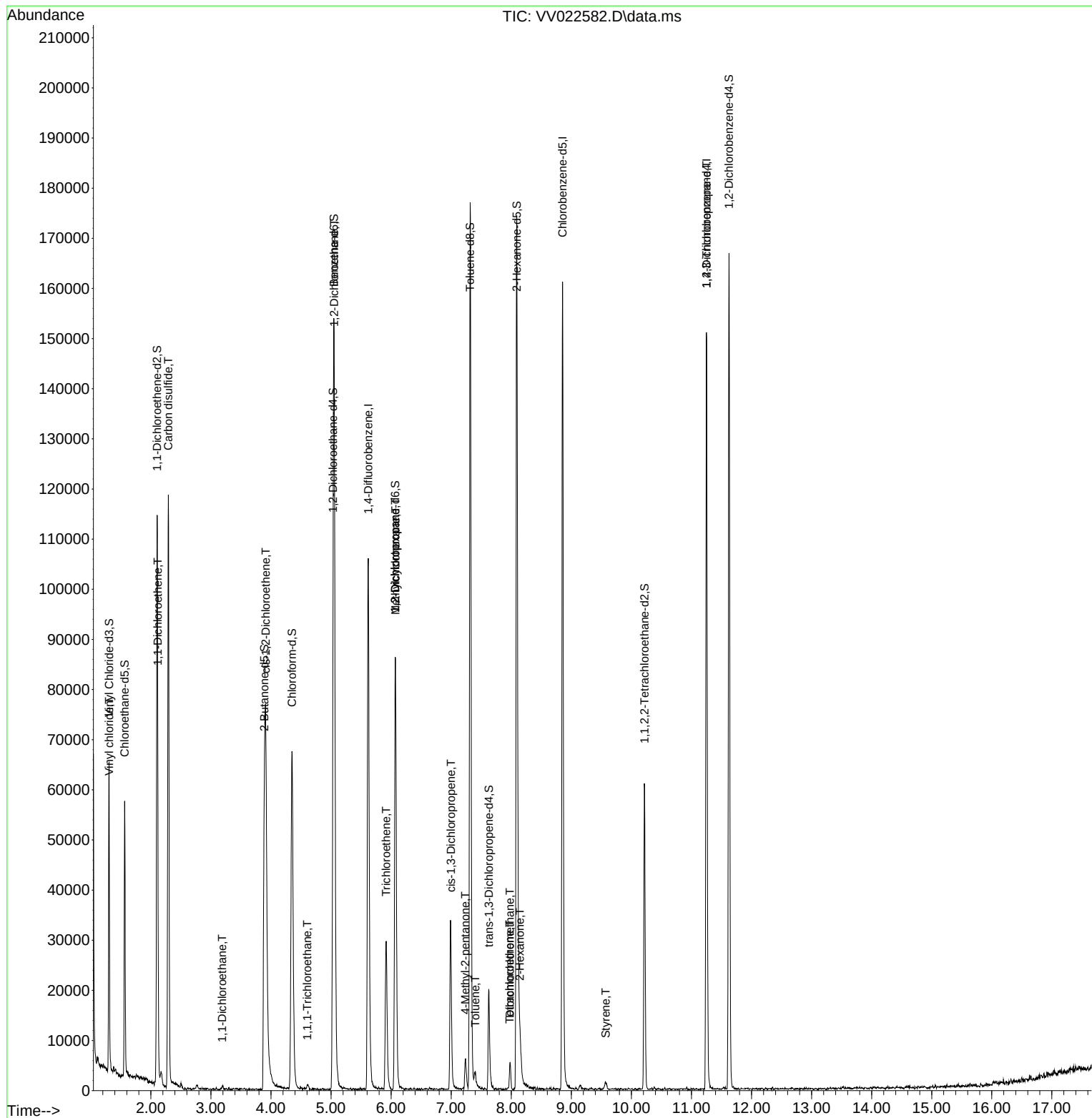
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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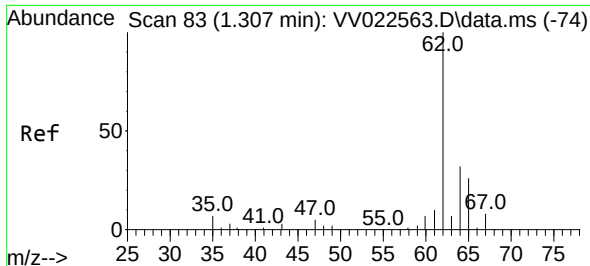
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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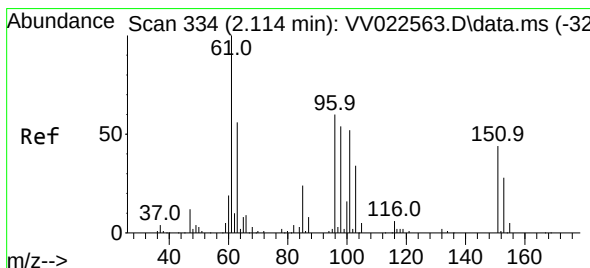
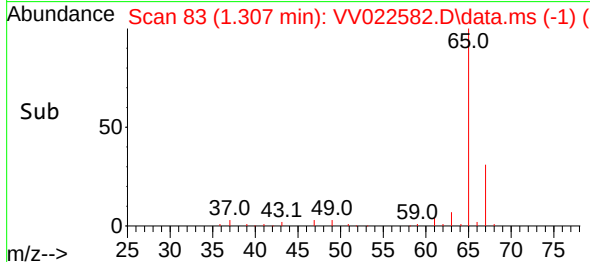
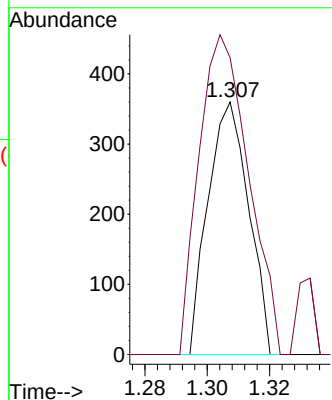
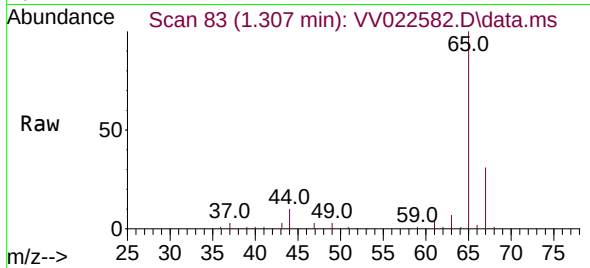




#5
 Vinyl chloride
 Concen: 0.043 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV022582.D
 Acq: 05 Oct 2021 17:51

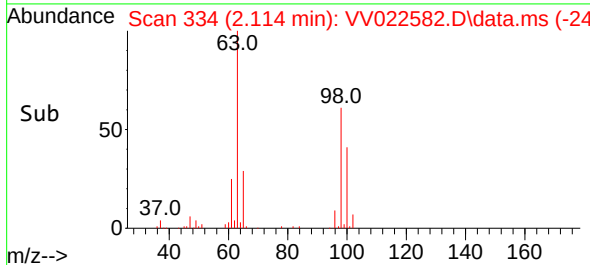
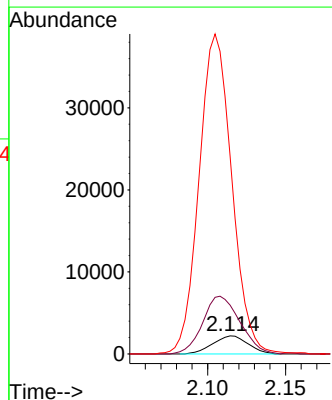
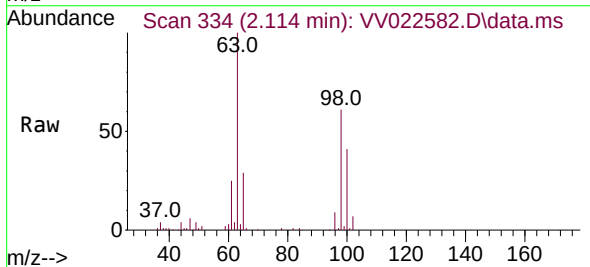
Instrument :
 MSVOA_V
 ClientSampled :

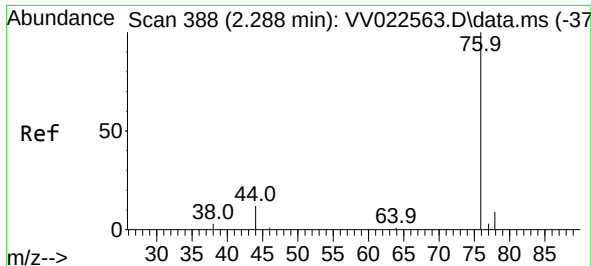
Tgt Ion: 62 Resp: 326
 Ion Ratio Lower Upper
 62 100
 64 117.5 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 0.579 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV022582.D
 Acq: 05 Oct 2021 17:51

Tgt Ion: 96 Resp: 3464
 Ion Ratio Lower Upper
 96 100
 61 268.8 113.2 210.2#
 63 1089.6 66.6 123.8#

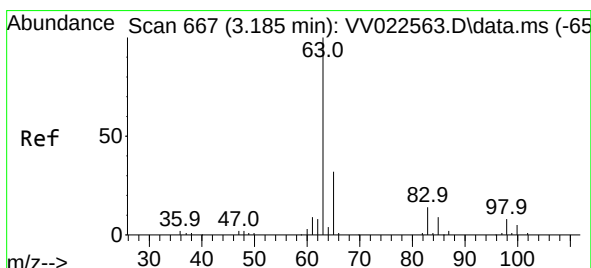
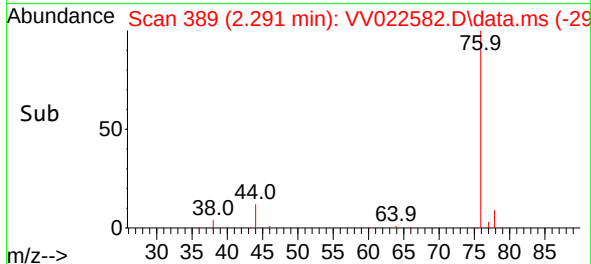
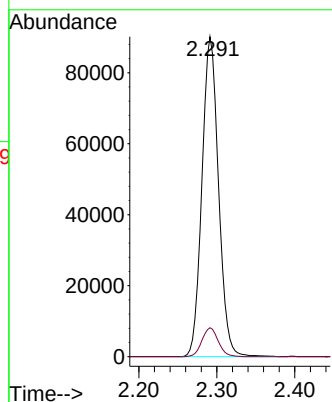
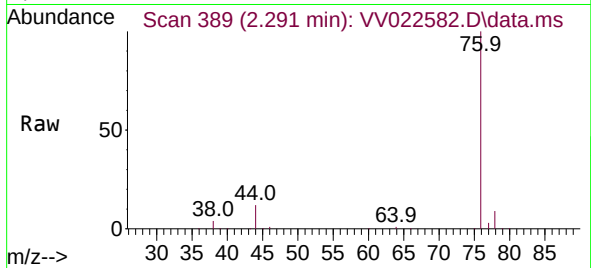




#14
Carbon disulfide
Concen: 7.613 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

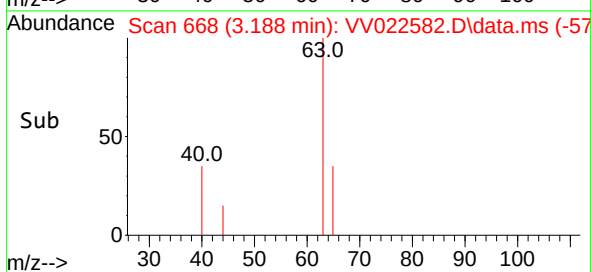
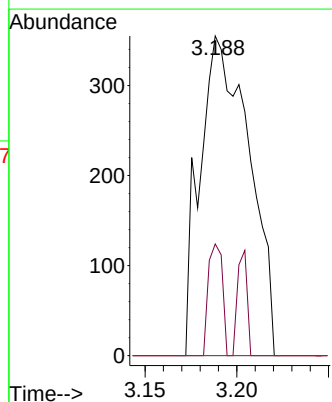
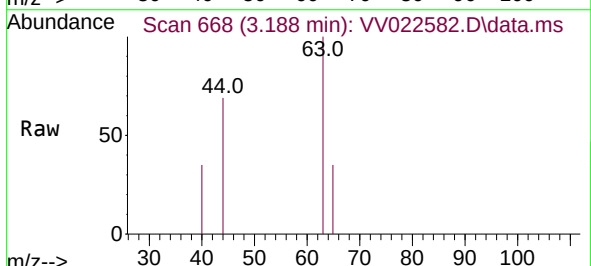
Instrument :
MSVOA_V
ClientSampled :

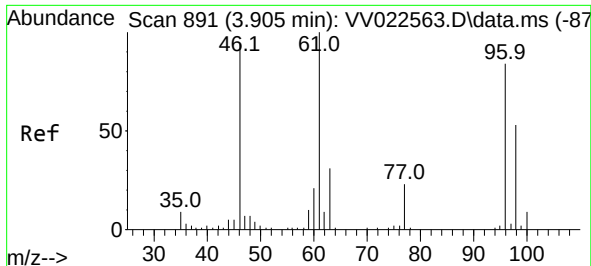
Tgt Ion: 76 Resp: 133161
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.6



#19
1,1-Dichloroethane
Concen: 0.057 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

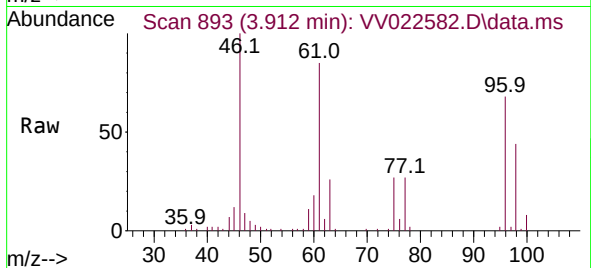
Tgt Ion: 63 Resp: 661
Ion Ratio Lower Upper
63 100
65 34.9 22.8 42.4
83 0.0 10.2 19.0#



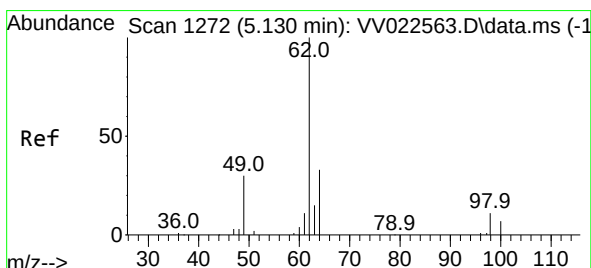
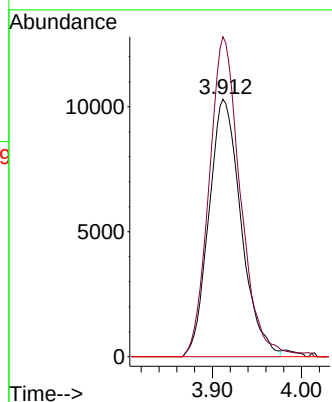
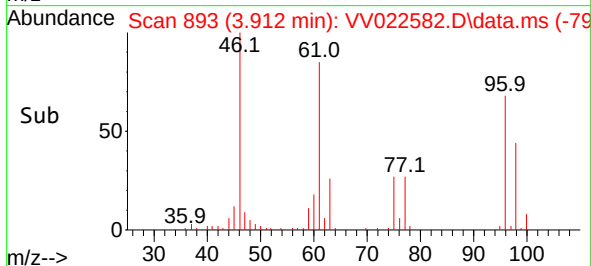


#22
cis-1,2-Dichloroethene
Concen: 3.658 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.006 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

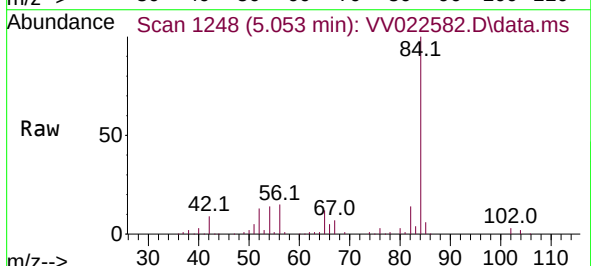
Instrument :
MSVOA_V
ClientSampleId :



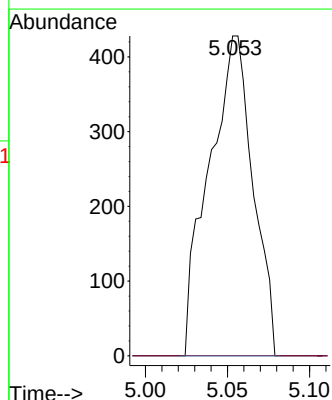
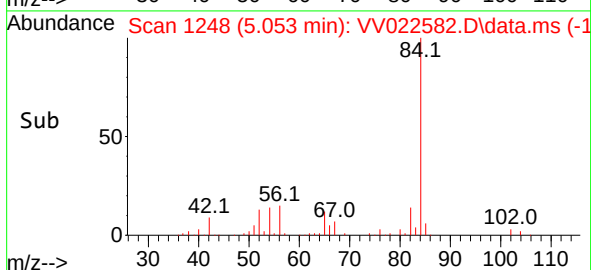
Tgt Ion: 96 Resp: 25864
Ion Ratio Lower Upper
96 100
61 124.3 85.6 159.0
68 0.0 0.0 0.0

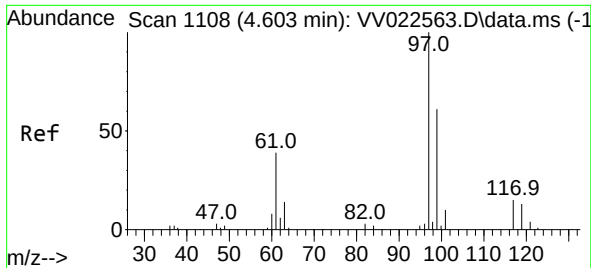


#27
1,2-Dichloroethane
Concen: 0.117 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.077 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51



Tgt Ion: 62 Resp: 796
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#





#29

1,1,1-Trichloroethane

Concen: 0.070 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

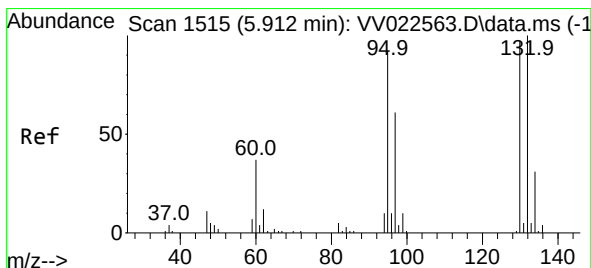
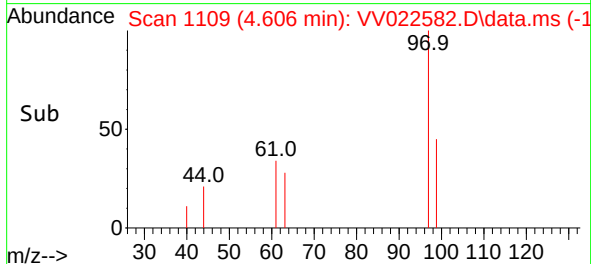
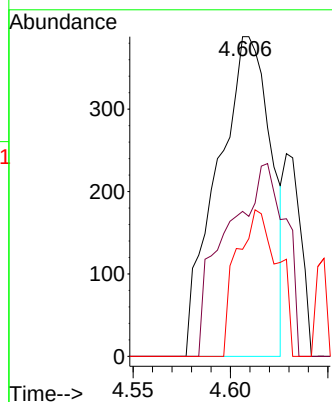
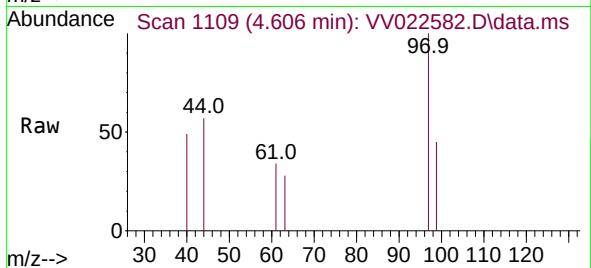
Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion: 97 Resp: 746

Ion	Ratio	Lower	Upper
97	100		
99	65.5	49.8	74.6
61	35.0	32.5	48.7

Instrument :
MSVOA_V
ClientSampleId :



#34

Trichloroethene

Concen: 1.428 ug/L

RT: 5.918 min Scan# 1517

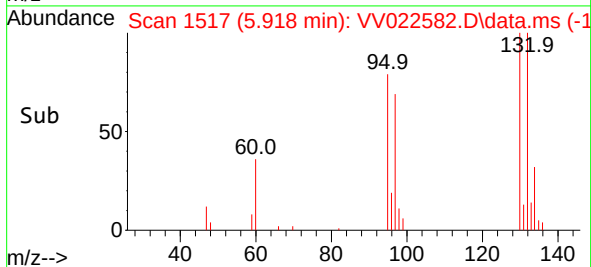
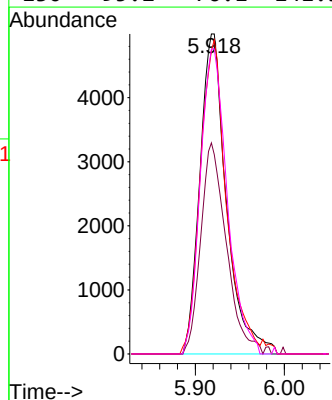
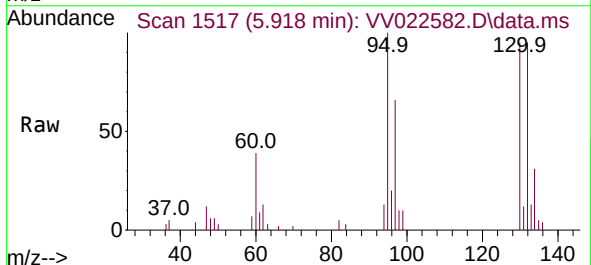
Delta R.T. 0.006 min

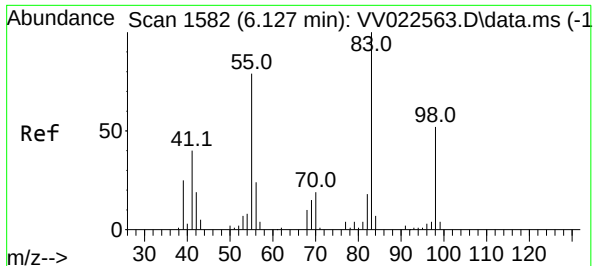
Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion: 95 Resp: 10369

Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.5	86.5
132	94.8	73.0	135.6
130	95.2	76.1	141.3





#35

Methylcyclohexane

Concen: 1.012 ug/L

RT: 6.072 min Scan# 1565

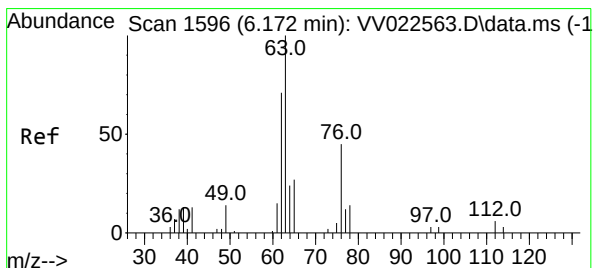
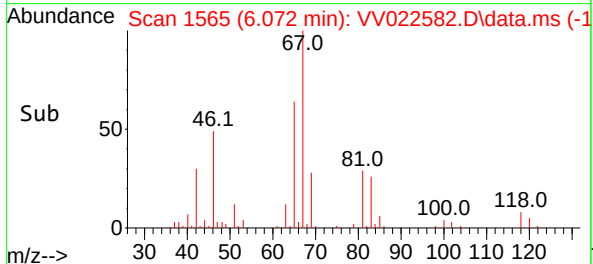
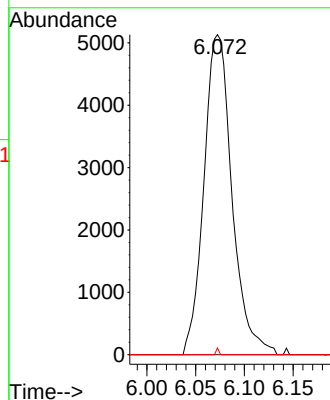
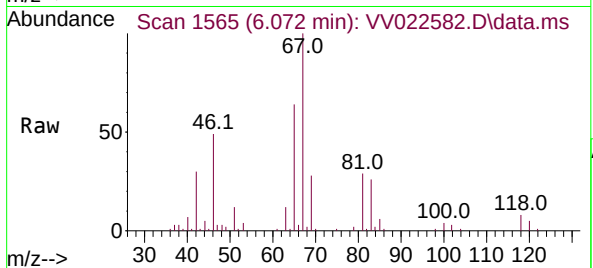
Delta R.T. -0.055 min

Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion:	83	Resp:	10301
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.8#
98	0.2	39.8	59.8#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.815 ug/L

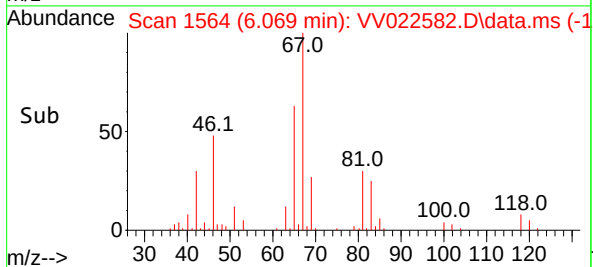
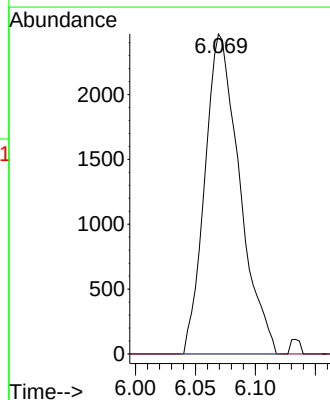
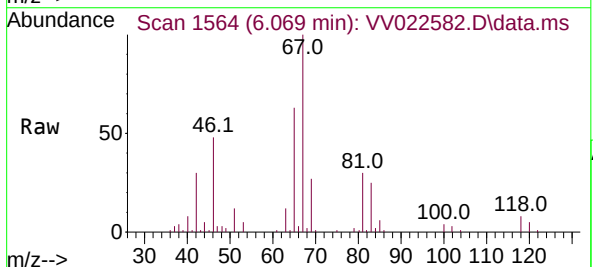
RT: 6.069 min Scan# 1564

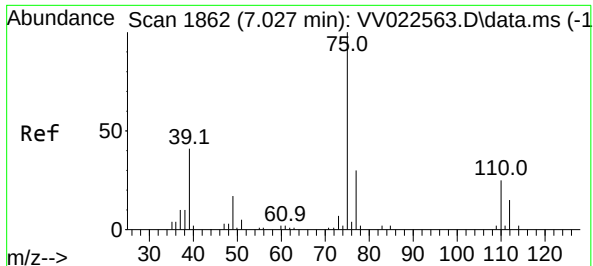
Delta R.T. -0.103 min

Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion:	63	Resp:	4971
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.3	6.5#



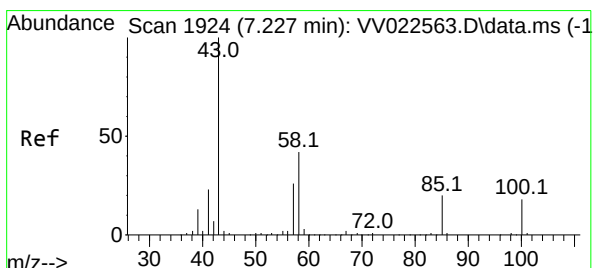
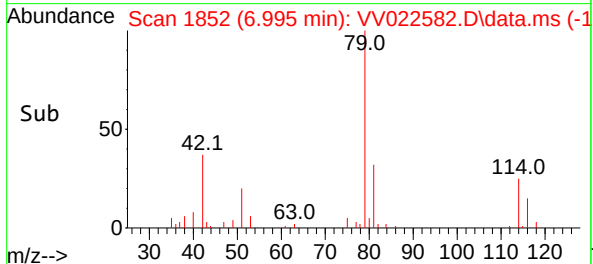
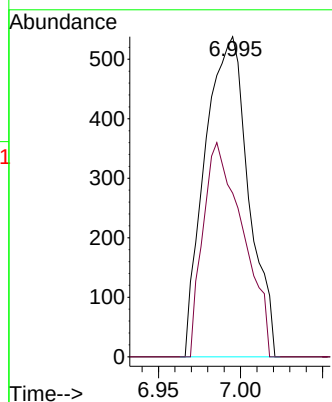
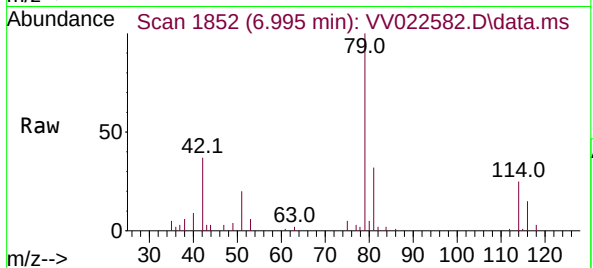


#39

cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 6.995 min Scan# 1852
Delta R.T. -0.032 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

Instrument :
MSVOA_V
ClientSampled :

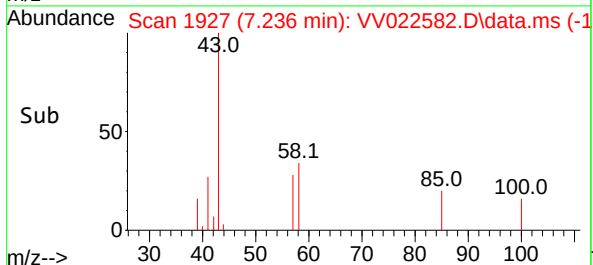
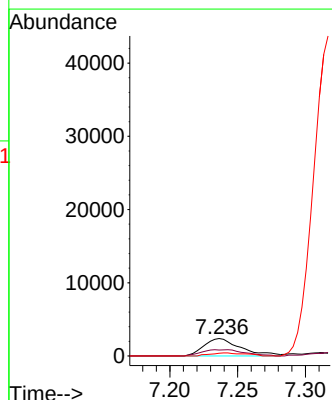
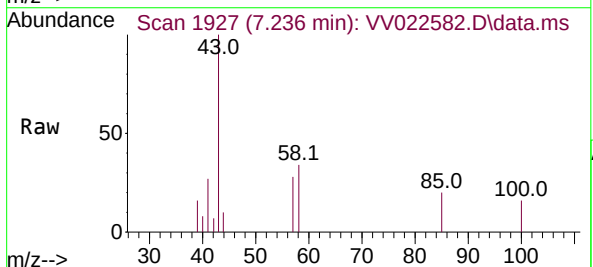
Tgt Ion: 75 Resp: 995
Ion Ratio Lower Upper
75 100
77 51.1 22.4 41.6#

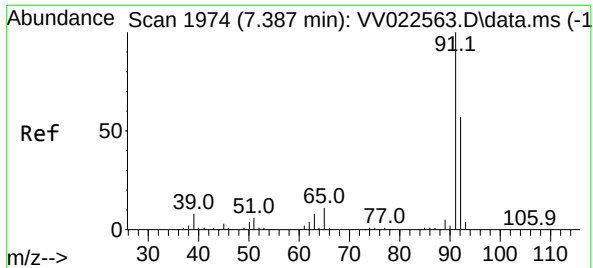


#40

4-Methyl-2-pentanone
Concen: 1.337 ug/L
RT: 7.236 min Scan# 1927
Delta R.T. 0.010 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
58 18.9 32.3 48.5#
100 0.0 13.8 20.6#

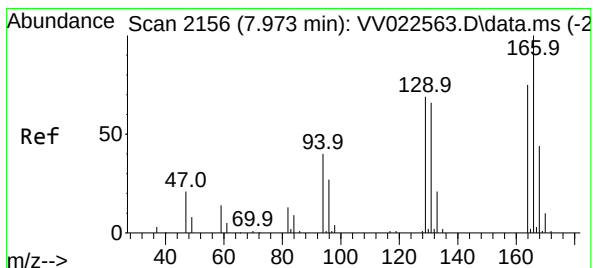
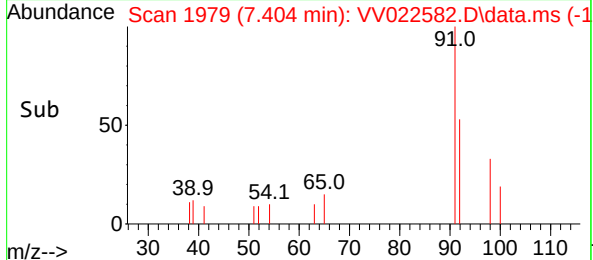
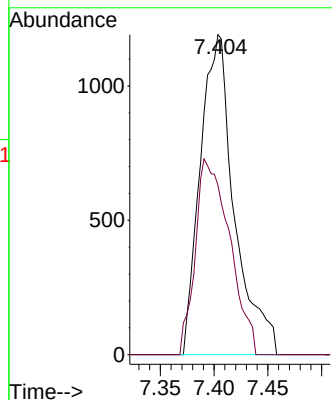
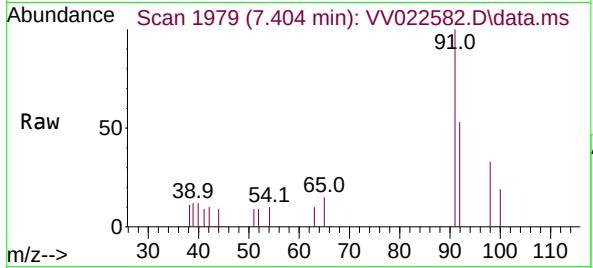




#42
Toluene
Concen: 0.100 ug/L
RT: 7.404 min Scan# 1979
Delta R.T. 0.016 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

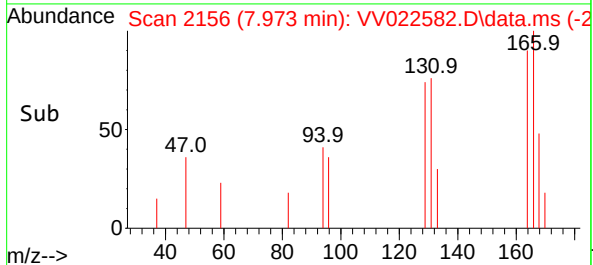
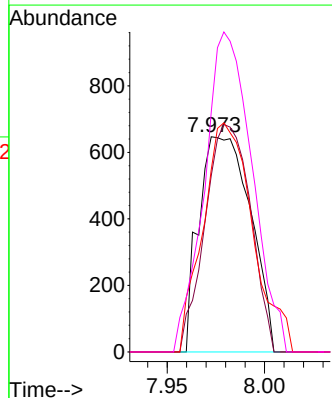
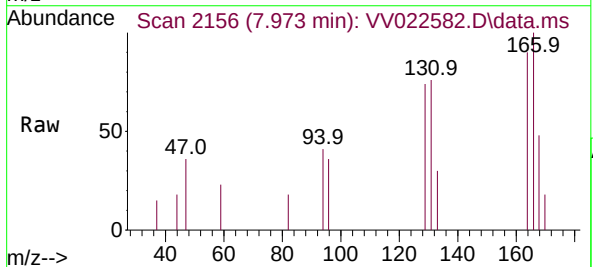
Instrument :
MSVOA_V
ClientSampled :

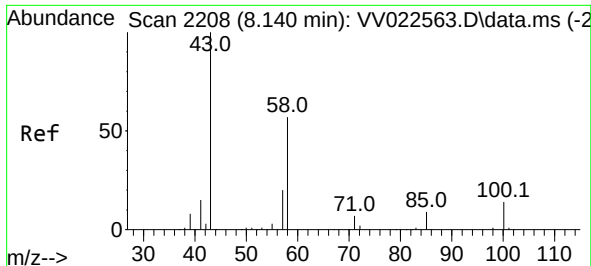
Tgt Ion: 91 Resp: 2628
Ion Ratio Lower Upper
91 100
92 52.9 40.5 75.3



#47
Tetrachloroethene
Concen: 0.211 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

Tgt Ion: 164 Resp: 1190
Ion Ratio Lower Upper
164 100
129 81.9 65.5 121.6
131 84.7 62.4 116.0
166 111.4 91.1 169.3

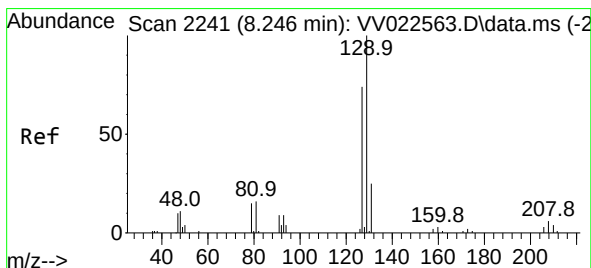
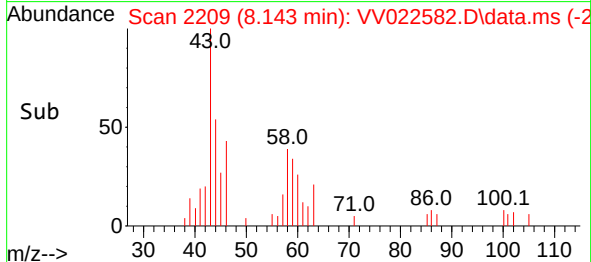
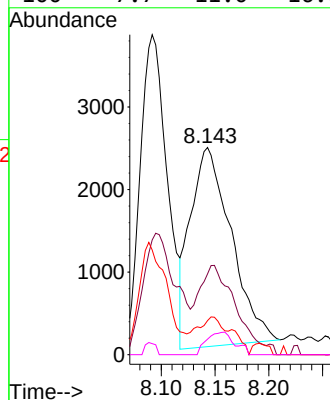
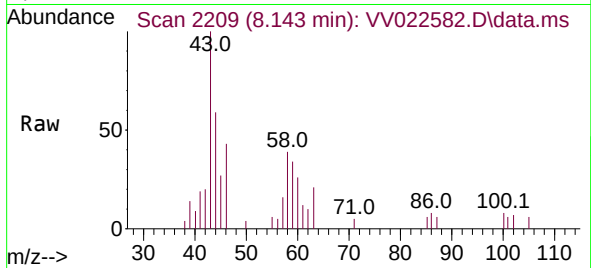




#48
2-Hexanone
Concen: 2.639 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

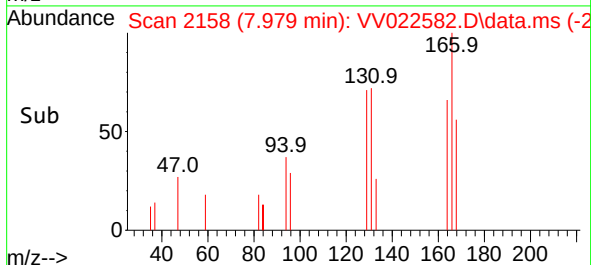
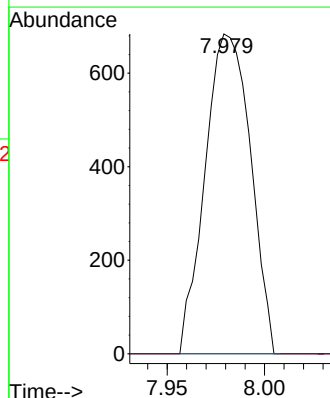
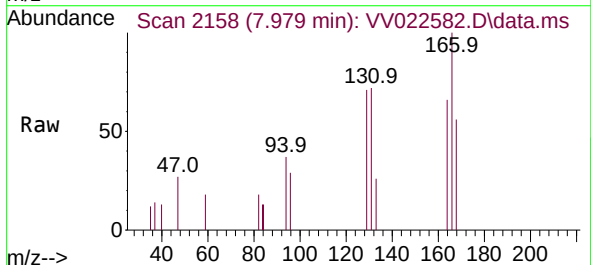
Instrument :
MSVOA_V
ClientSampled :

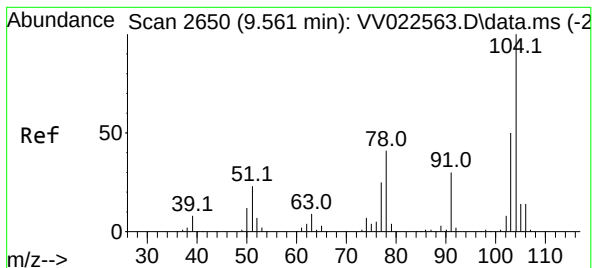
Tgt Ion: 43	Resp: 6376
Ion Ratio	Lower Upper
43	100
58	41.2 46.4 69.6#
57	16.1 16.3 24.5#
100	7.7 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.207 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV022582.D
Acq: 05 Oct 2021 17:51

Tgt Ion: 129	Resp: 1111
Ion Ratio	Lower Upper
129	100
127	0.0 52.6 97.6#





#55

Styrene

Concen: 0.058 ug/L

RT: 9.574 min Scan# 2654

Delta R.T. 0.013 min

Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion: 104 Resp: 1002

Ion Ratio Lower Upper

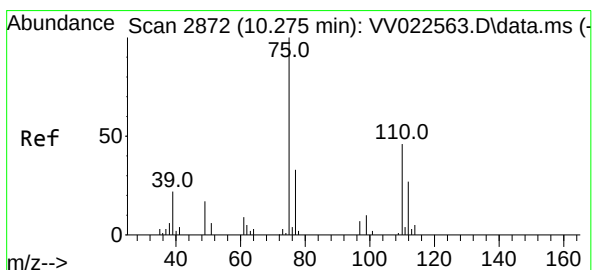
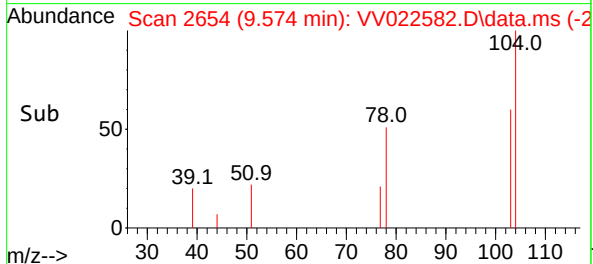
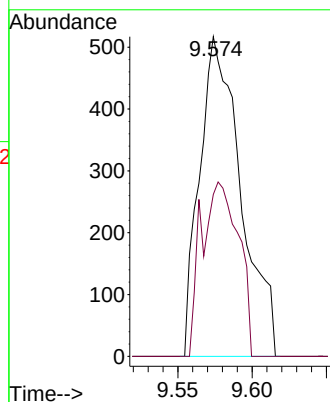
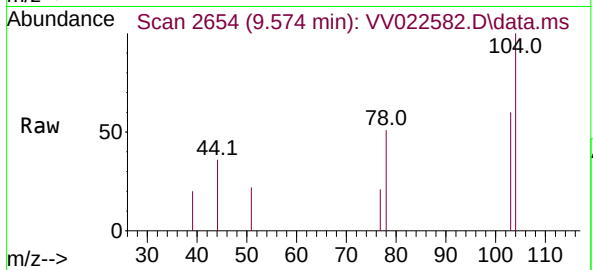
104 100

78 50.7 28.7 53.3

Instrument :

MSVOA_V

ClientSampled :



#61

1,2,3-Trichloropropane

Concen: 1.445 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022582.D

Acq: 05 Oct 2021 17:51

Tgt Ion: 75 Resp: 4528

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

110 3.1 33.0 49.6#

