

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100721\
 Data File : VV022681.D
 Acq On : 07 Oct 2021 22:40
 Operator : SY/MD
 Sample : M4052-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:05:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 08 04:01:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	107602	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	111229	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	49583	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37753	5.100	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.568	69	36788	5.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.600%
11) 1,1-Dichloroethene-d2	2.108	63	56612	3.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	3.896	46	90601	46.674	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.340%
24) Chloroform-d	4.352	84	55655	3.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.000%
26) 1,2-Dichloroethane-d4	5.034	65	35467	4.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.053	84	145770	4.402	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.072	67	44435	4.531	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.317	98	122573	4.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	7.625	79	13466	4.140	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.092	63	64384	49.114	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.220%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30137	4.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	48913	5.321	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	854	0.108	ug/L	90
9) Trichlorofluoromethane	1.754	101	1226	0.103	ug/L	96
12) 1,1-Dichloroethene	2.111	96	794	0.122	ug/L #	1
19) 1,1-Dichloroethane	3.198	63	940	0.074	ug/L #	82
22) cis-1,2-Dichloroethene	3.918	96	2063	0.278	ug/L	94
25) Chloroform	4.381	83	20675	1.401	ug/L	93
27) 1,2-Dichloroethane	5.056	62	961	0.130	ug/L #	69
34) Trichloroethene	5.918	95	3084	0.379	ug/L	97
35) Methylcyclohexane	6.072	83	11252	0.986	ug/L #	26
37) 1,2-Dichloropropane	6.069	63	4984	0.692	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1014	0.106	ug/L #	38
42) Toluene	7.394	91	8130	0.267	ug/L	87
45) 1,1,2-Trichloroethane	7.976	97	3298	0.617	ug/L #	1
47) Tetrachloroethene	7.976	164	430895	65.403	ug/L	98
48) 2-Hexanone	8.140	43	7999	2.826	ug/L #	73
49) Dibromochloromethane	7.976	129	359383	57.422	ug/L #	7
61) 1,2,3-Trichloropropane	11.252	75	5432	1.577	ug/L #	62

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Instrument :
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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 08 04:01:59 2021
Response via : Initial Calibration

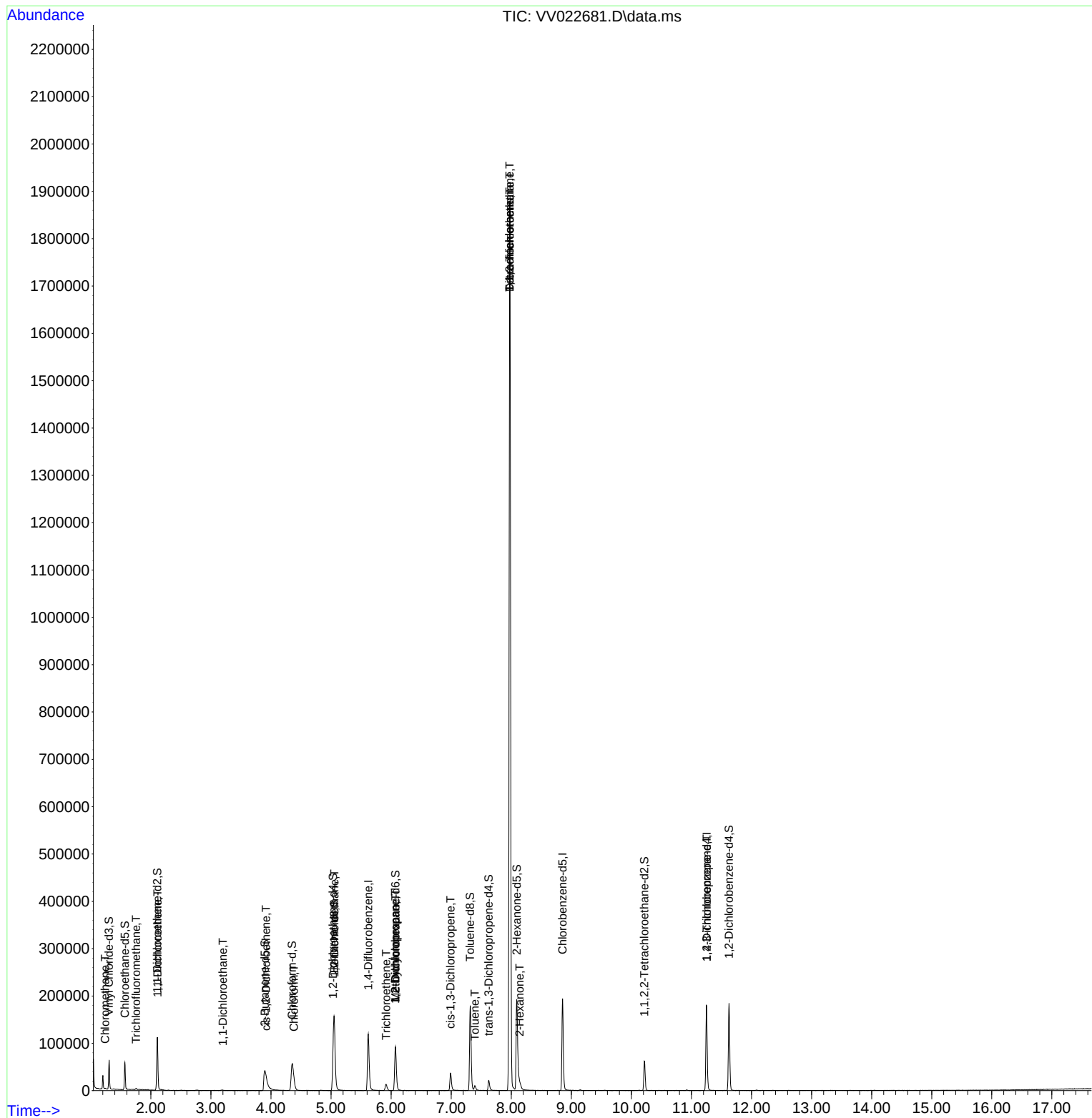
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

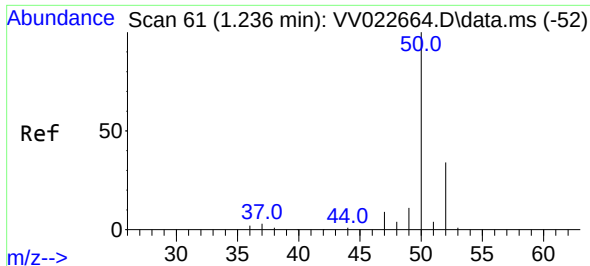
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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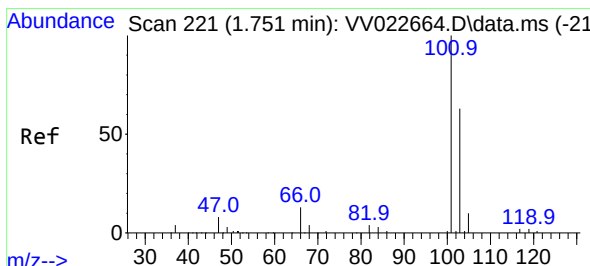
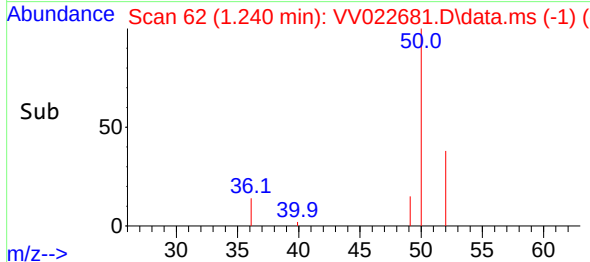
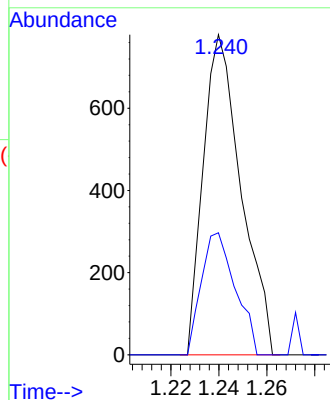
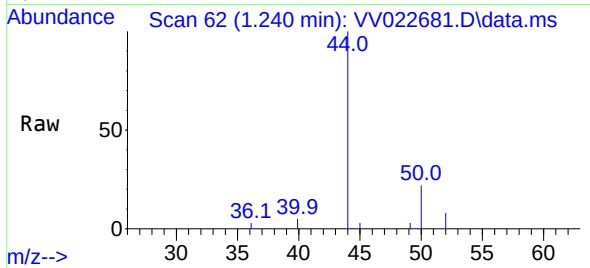




#3
Chloromethane
Concen: 0.108 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

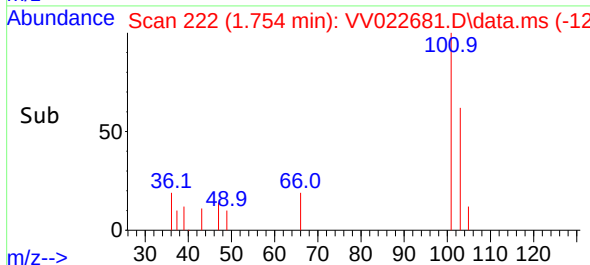
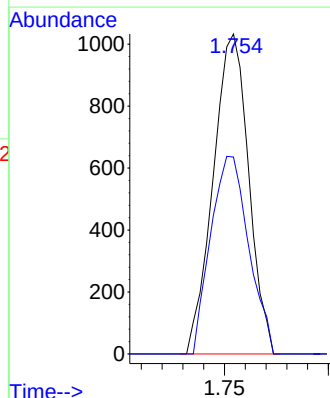
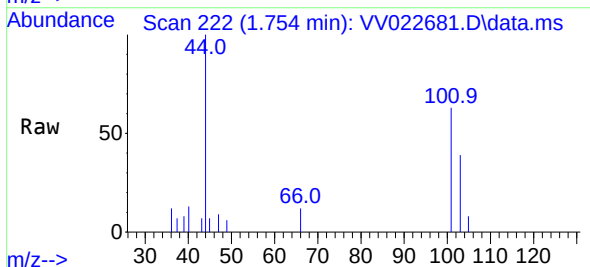
Instrument :
MSVOA_V
ClientSampled :

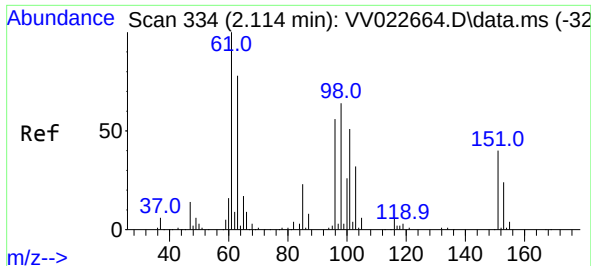
Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 38.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.103 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 101 Resp: 1226
Ion Ratio Lower Upper
101 100
103 66.1 50.3 75.5

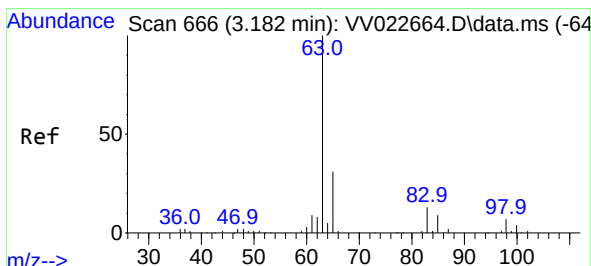
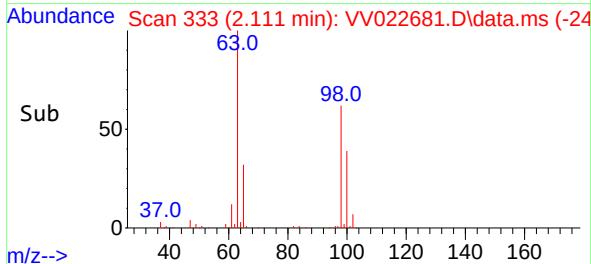
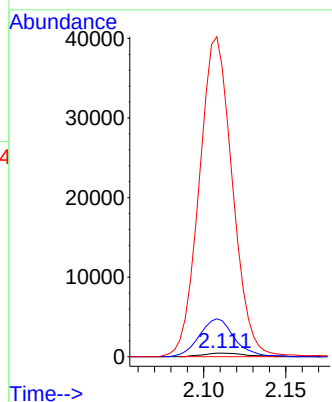
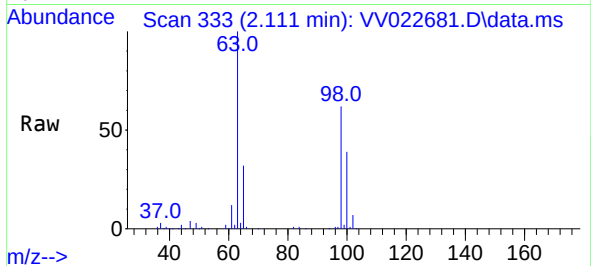




#12
1,1-Dichloroethene
Concen: 0.122 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

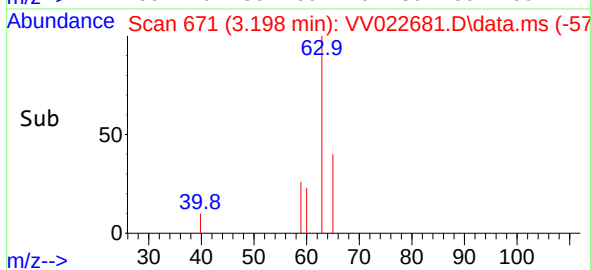
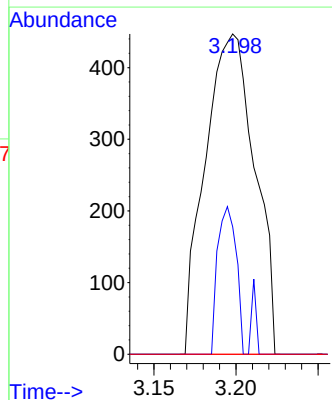
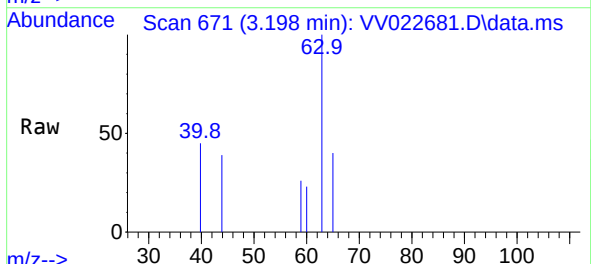
Instrument :
MSVOA_V
ClientSampled :

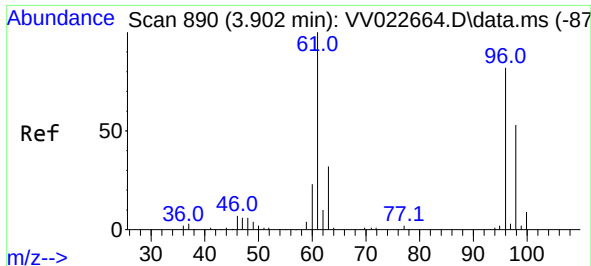
Tgt Ion: 96 Resp: 794
Ion Ratio Lower Upper
96 100
61 1009.1 127.3 236.5#
63 8112.2 106.2 197.2#



#19
1,1-Dichloroethane
Concen: 0.074 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.016 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 63 Resp: 940
Ion Ratio Lower Upper
63 100
65 39.8 23.5 43.7
83 0.0 10.1 18.7#

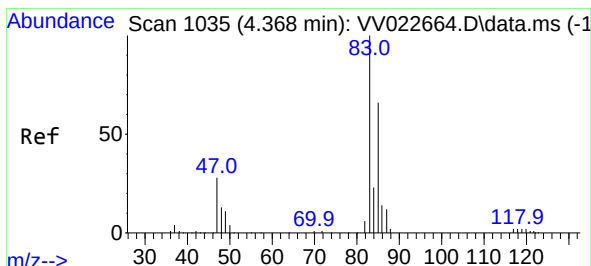
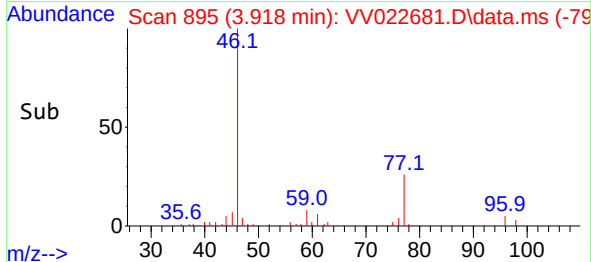
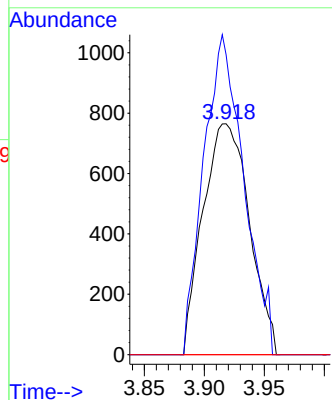
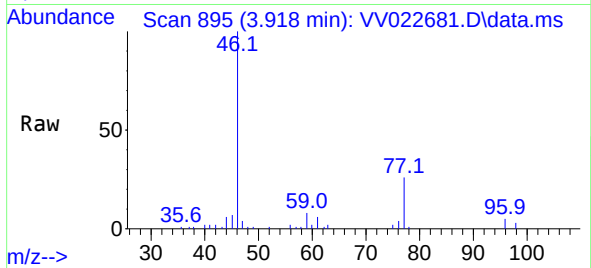




#22
cis-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.016 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

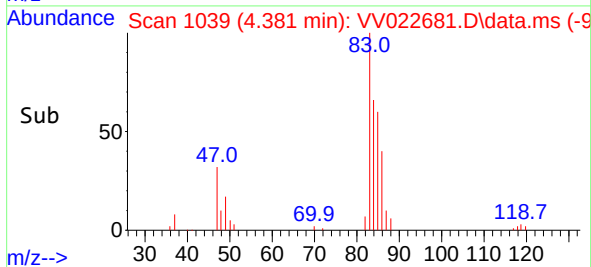
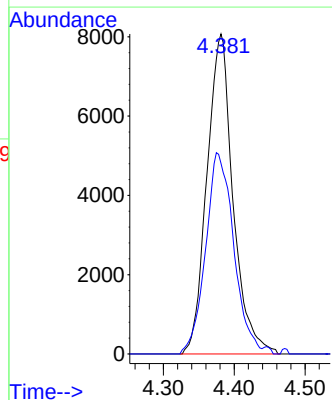
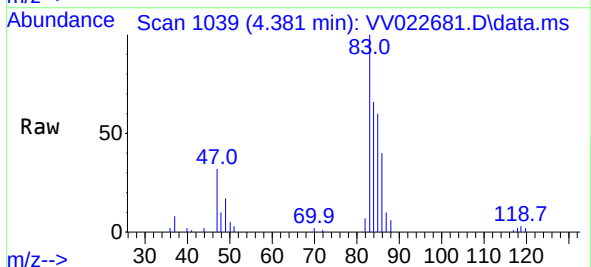
Instrument :
MSVOA_V
ClientSampled :

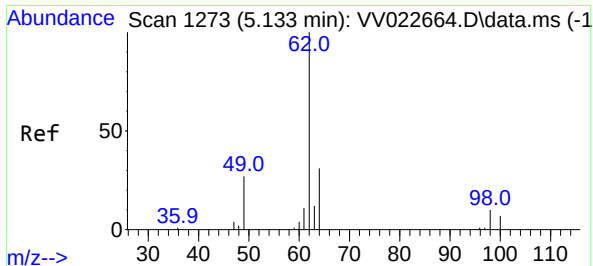
Tgt Ion: 96 Resp: 2063
Ion Ratio Lower Upper
96 100
61 129.8 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.401 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 83 Resp: 20675
Ion Ratio Lower Upper
83 100
85 59.6 45.7 84.9

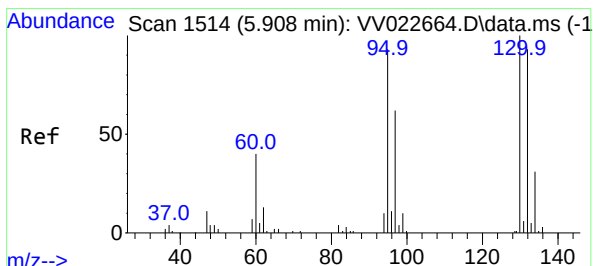
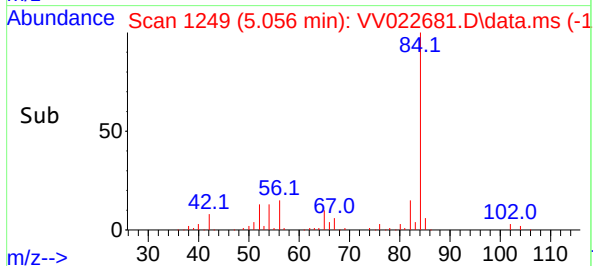
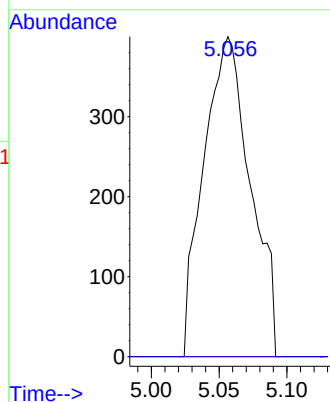
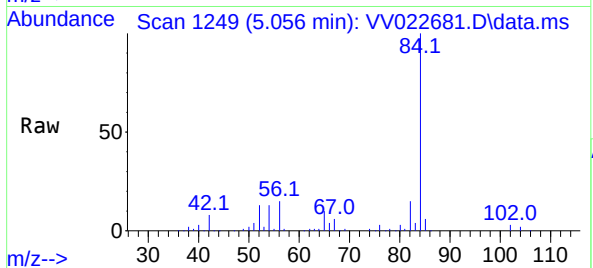




#27
1,2-Dichloroethane
Concen: 0.130 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. -0.077 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

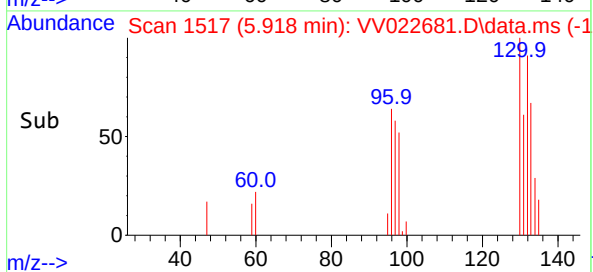
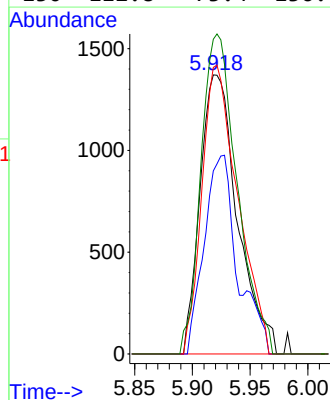
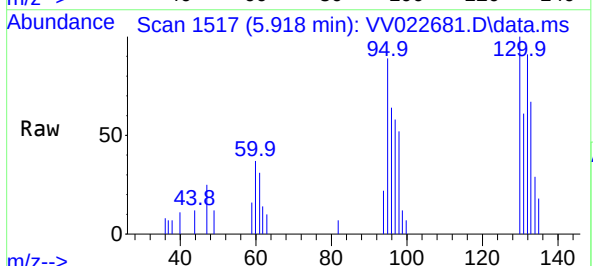
Instrument :
MSVOA_V
ClientSampleId :

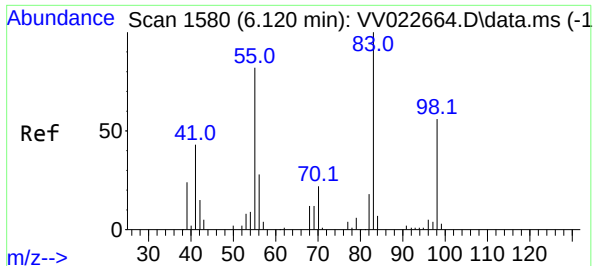
Tgt Ion: 62 Resp: 961
Ion Ratio Lower Upper
62 100
98 0.0 9.7 14.5#



#34
Trichloroethene
Concen: 0.379 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 95 Resp: 3084
Ion Ratio Lower Upper
95 100
97 65.6 45.8 85.2
132 102.7 72.2 134.0
130 112.8 73.4 136.4





#35

Methylcyclohexane

Concen: 0.986 ug/L

RT: 6.072 min Scan# 1565

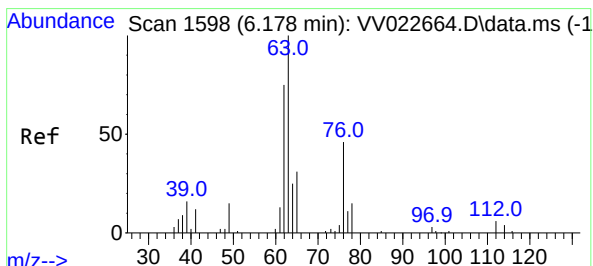
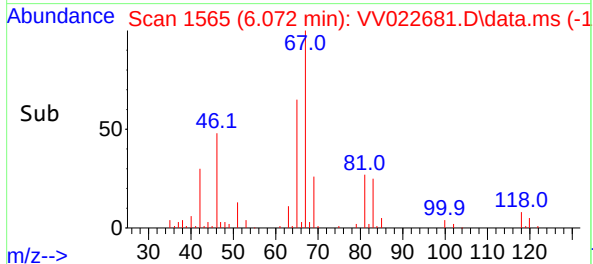
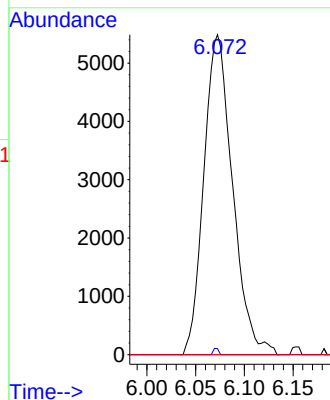
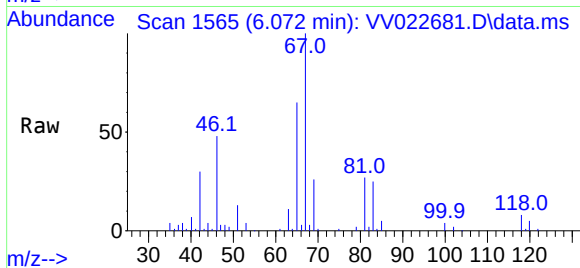
Delta R.T. -0.048 min

Lab File: VV022681.D

Acq: 07 Oct 2021 22:40

Tgt Ion:	83	Resp:	11252
Ion	Ratio	Lower	Upper
83	100		
55	0.4	63.8	95.6#
98	17.7	42.1	63.1#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.692 ug/L

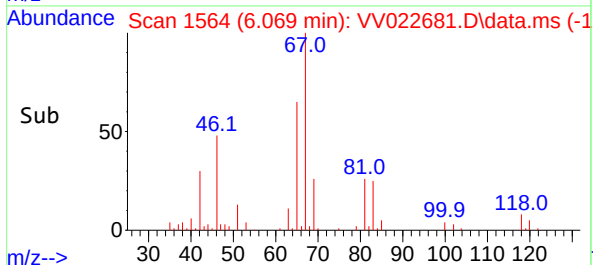
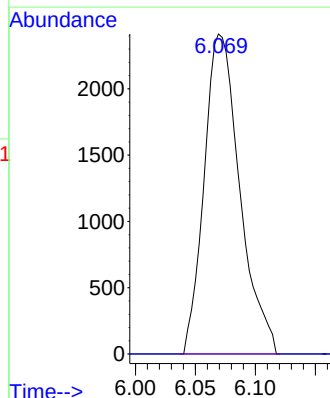
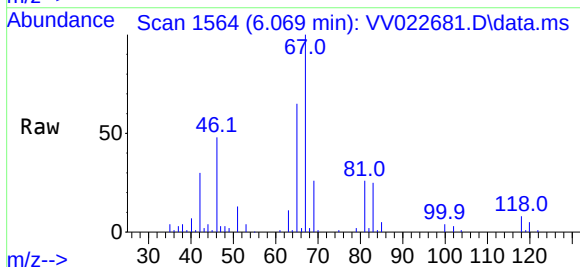
RT: 6.069 min Scan# 1564

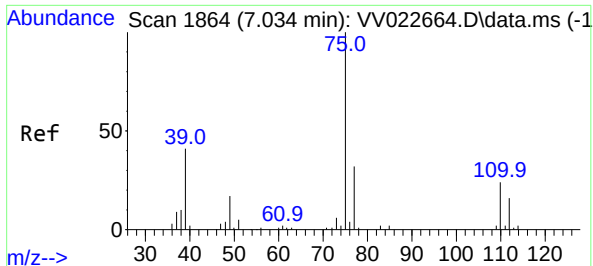
Delta R.T. -0.109 min

Lab File: VV022681.D

Acq: 07 Oct 2021 22:40

Tgt Ion:	63	Resp:	4984
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

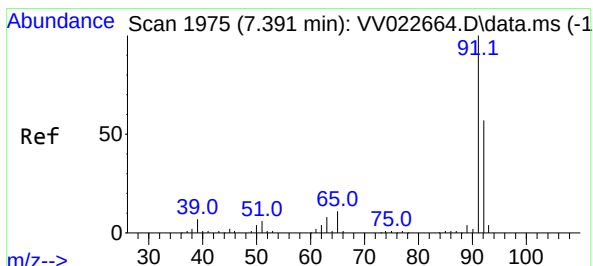
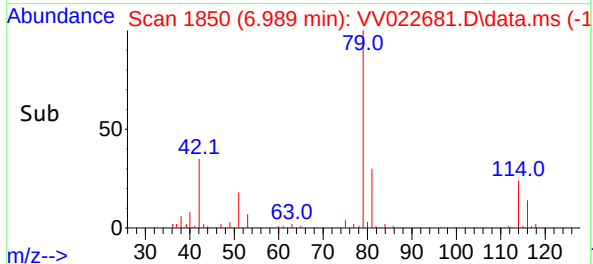
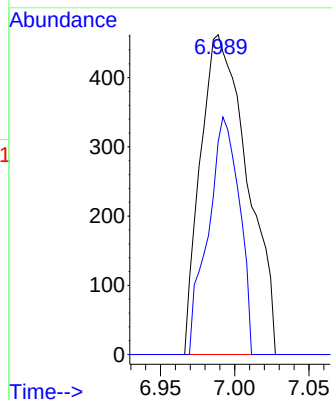
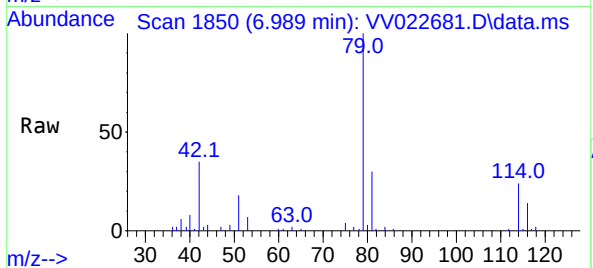




#39
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.045 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

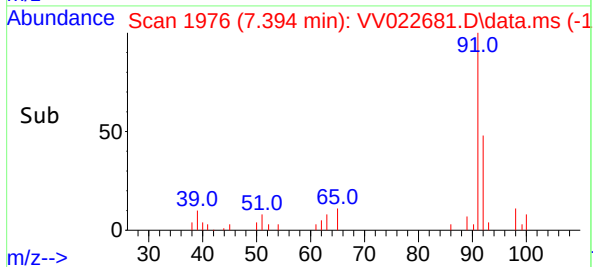
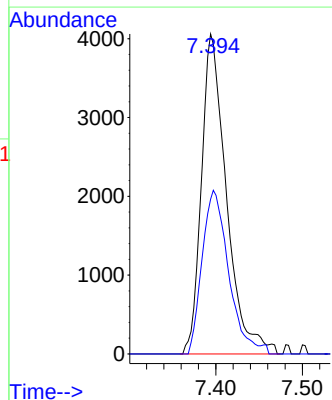
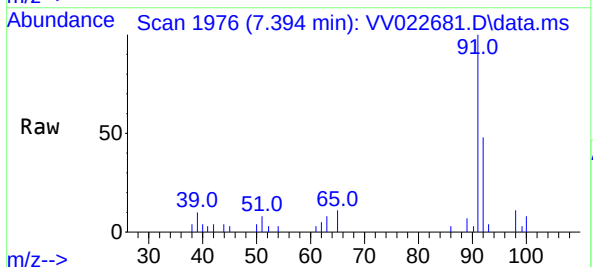
Instrument :
MSVOA_V
ClientSampled :

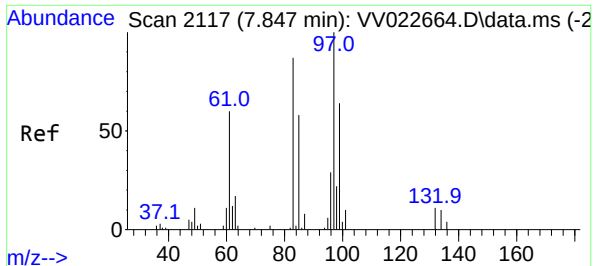
Tgt Ion: 75 Resp: 1014
Ion Ratio Lower Upper
75 100
77 66.5 22.3 41.3#



#42
Toluene
Concen: 0.267 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.003 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 91 Resp: 8130
Ion Ratio Lower Upper
91 100
92 48.3 40.7 75.7





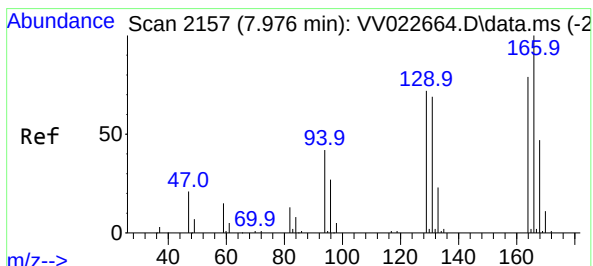
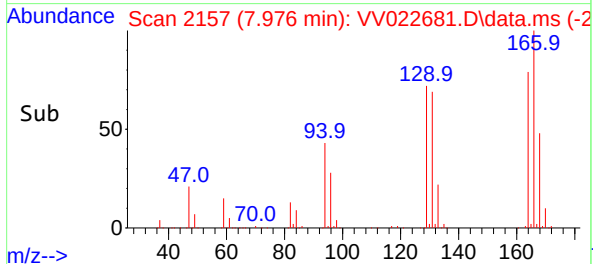
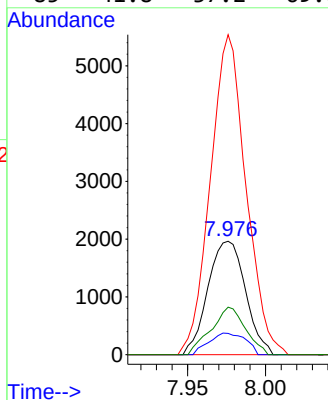
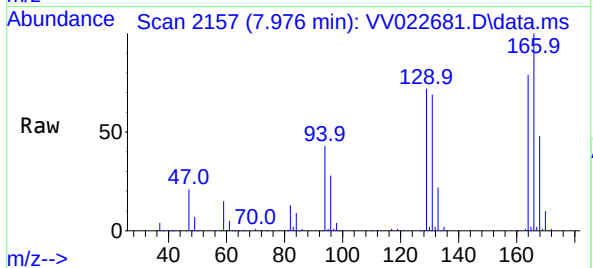
#45

1,1,2-Trichloroethane
Concen: 0.617 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.129 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 97 Resp: 3298

Ion	Ratio	Lower	Upper
97	100		
99	18.7	44.5	82.7#
83	281.9	56.6	105.0#
85	41.8	37.2	69.0

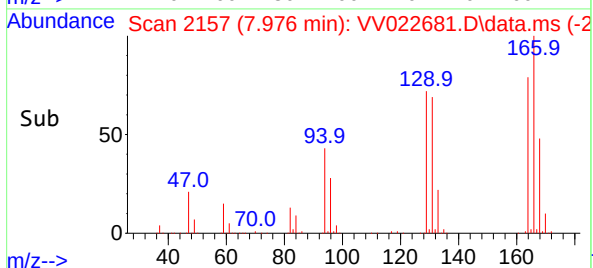
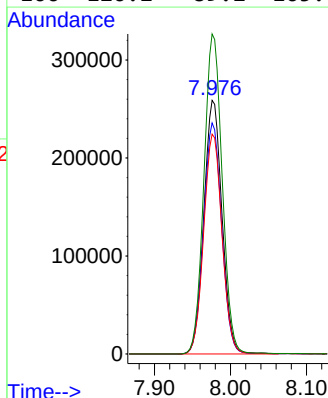
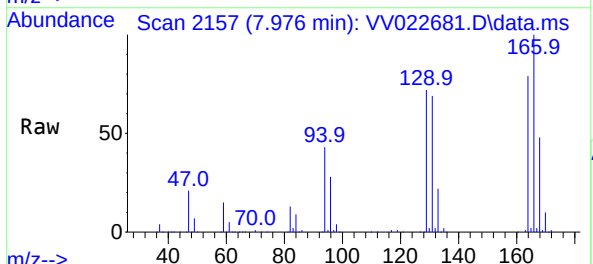


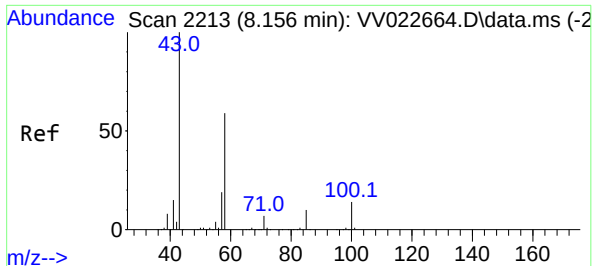
#47

Tetrachloroethene
Concen: 65.403 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 164 Resp: 430895

Ion	Ratio	Lower	Upper
164	100		
129	91.1	65.0	120.6
131	86.7	62.2	115.4
166	126.2	89.2	165.8



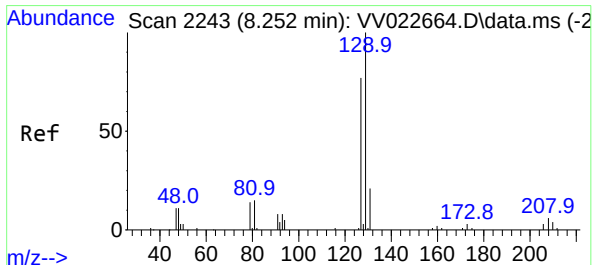
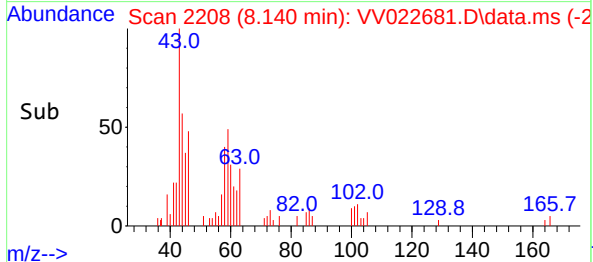
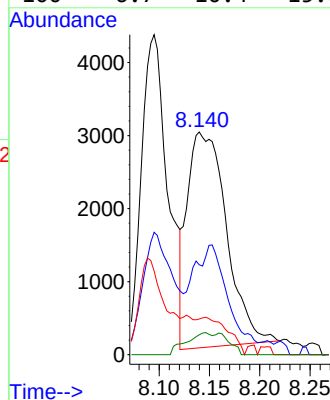
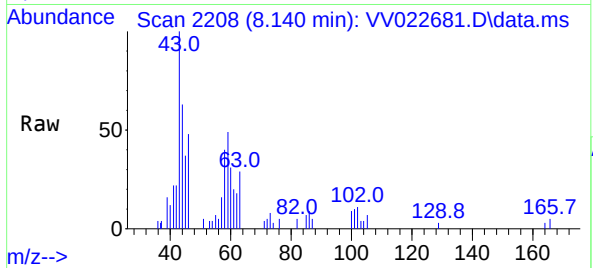


#48
2-Hexanone
Concen: 2.826 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. -0.016 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 43 Resp: 7999

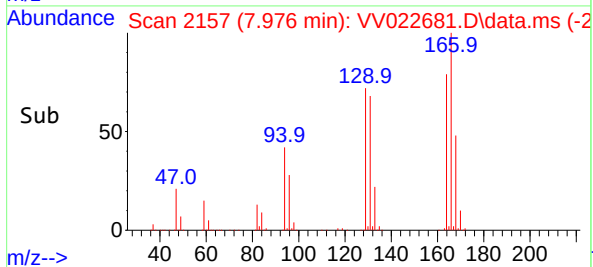
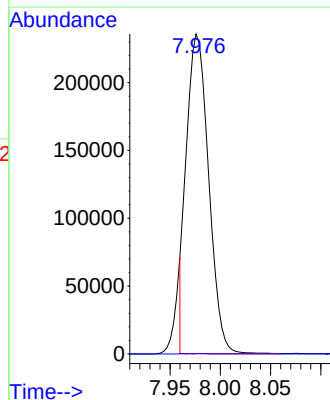
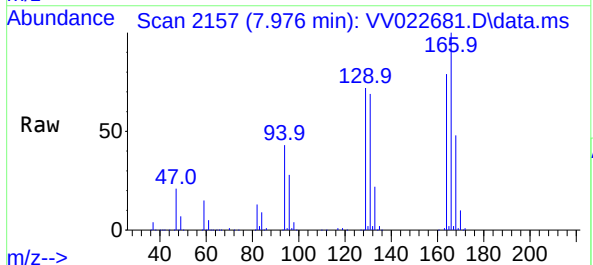
Ion	Ratio	Lower	Upper
43	100		
58	40.4	47.4	71.0#
57	0.0	15.3	22.9#
100	6.7	10.4	15.6#

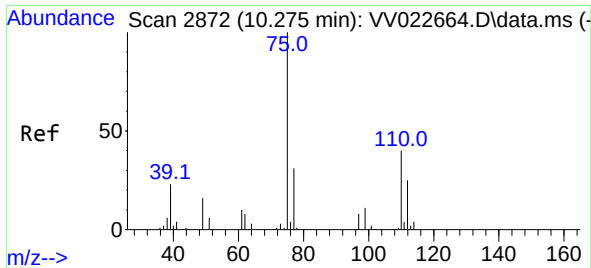


#49
Dibromochloromethane
Concen: 57.422 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.276 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Tgt Ion: 129 Resp: 359383

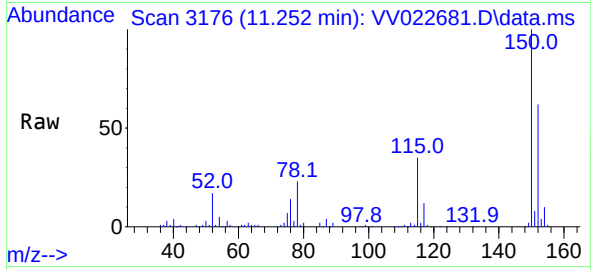
Ion	Ratio	Lower	Upper
129	100		
127	0.1	59.1	109.9#





#61
1,2,3-Trichloropropane
Concen: 1.577 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.978 min
Lab File: VV022681.D
Acq: 07 Oct 2021 22:40

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 5432
Ion Ratio Lower Upper
75 100
77 34.0 25.4 38.2
110 2.3 34.2 51.4#

