

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100721\
 Data File : VV022682.D
 Acq On : 07 Oct 2021 23:04
 Operator : SY/MD
 Sample : M4052-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AX4

Quant Time: Oct 08 04:05:10 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)

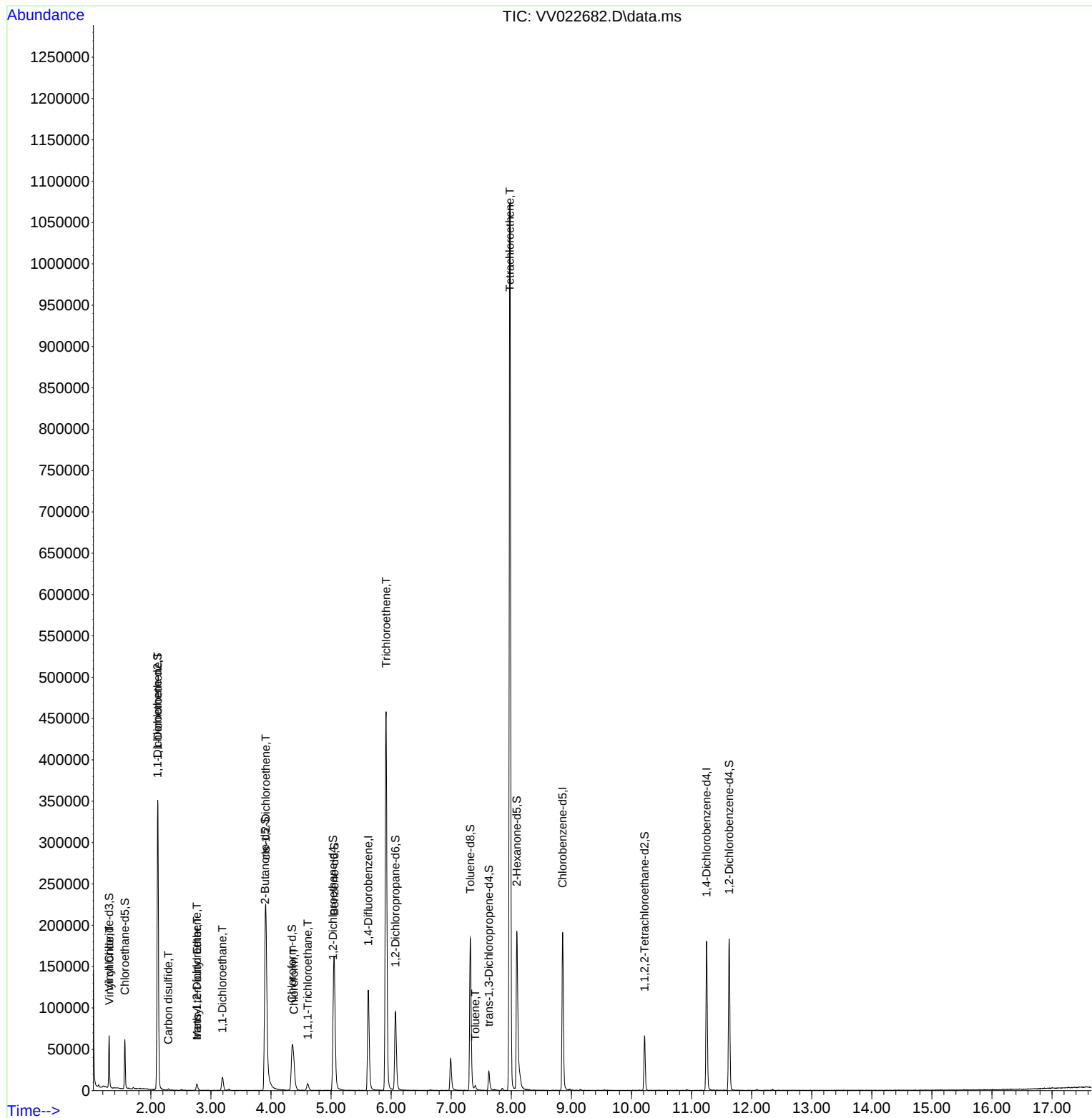
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	109041	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	109373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50228	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37055	4.939	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.568	69	35940	5.331	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.111	63	102238	6.947	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	139.000%#
20) 2-Butanone-d5	3.899	46	94780	48.183	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.360%
24) Chloroform-d	4.349	84	49648	3.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.200%#
26) 1,2-Dichloroethane-d4	5.034	65	36375	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.053	84	149446	4.590	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.072	67	47073	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.317	98	126537	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.625	79	14056	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.092	63	64262	49.852	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.700%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31971	4.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	49652	5.332	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						
5) Vinyl chloride	1.311	62	1626	0.197	ug/L #	62
12) 1,1-Dichloroethene	2.118	96	87195	13.239	ug/L #	68
14) Carbon disulfide	2.291	76	1740	0.094	ug/L #	88
17) Methyl tert-butyl Ether	2.770	73	4128	0.259	ug/L	96
18) trans-1,2-Dichloroethene	2.764	96	1514	0.211	ug/L	92
19) 1,1-Dichloroethane	3.192	63	16659	1.291	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	116828	15.533	ug/L	91
25) Chloroform	4.381	83	30337	2.029	ug/L	99
29) 1,1,1-Trichloroethane	4.613	97	6633	0.531	ug/L	99
34) Trichloroethene	5.915	95	156656	19.557	ug/L	99
42) Toluene	7.400	91	4328	0.145	ug/L	88
47) Tetrachloroethene	7.976	164	247162	38.152	ug/L	99

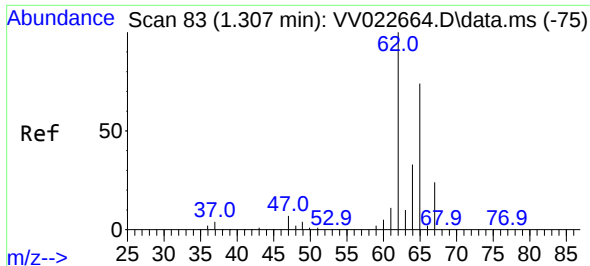
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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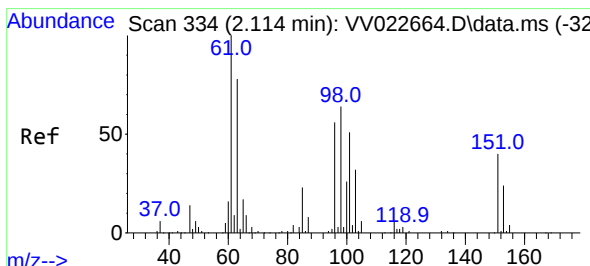
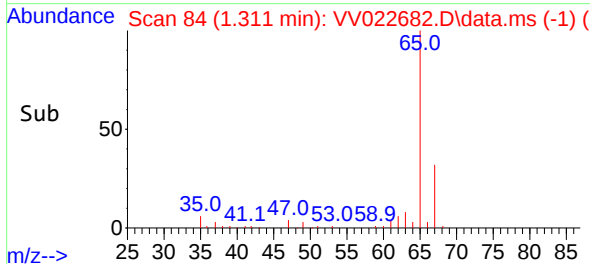
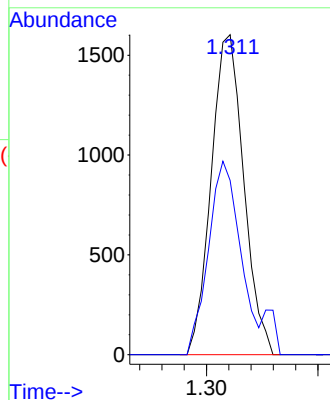
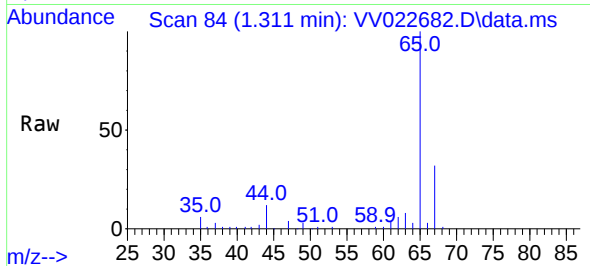




#5
 Vinyl chloride
 Concen: 0.197 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

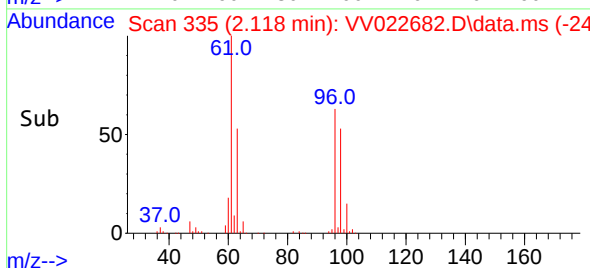
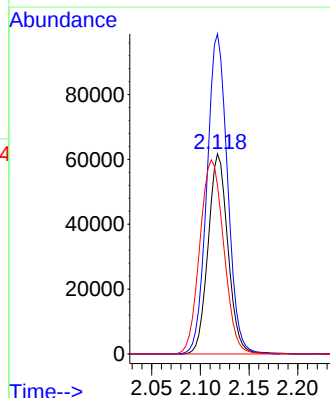
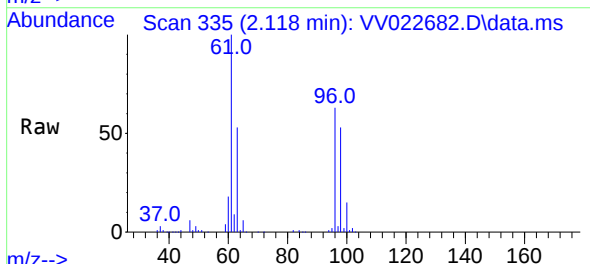
Instrument :
 MSVOA_V
 ClientSampled :
 C0AX4

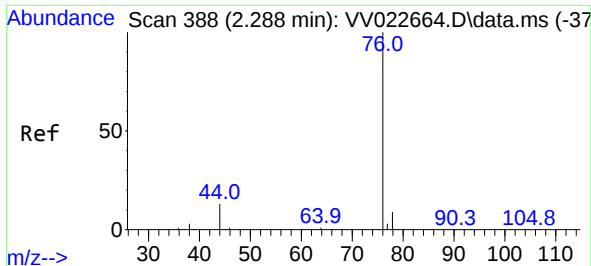
Tgt Ion: 62 Resp: 1626
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 13.239 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

Tgt Ion: 96 Resp: 87195
 Ion Ratio Lower Upper
 96 100
 61 159.9 127.3 236.5
 63 84.1 106.2 197.2#

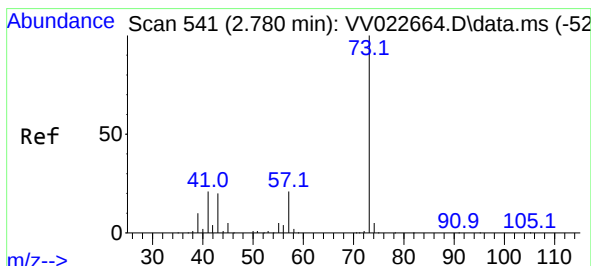
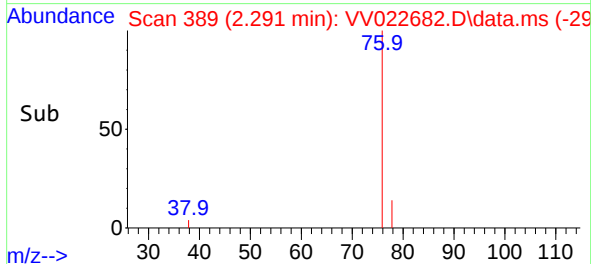
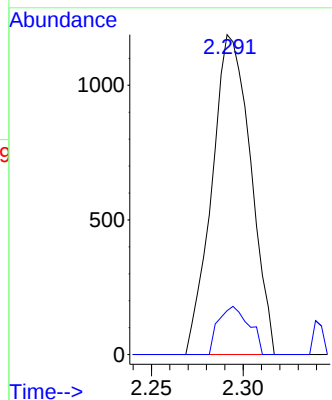
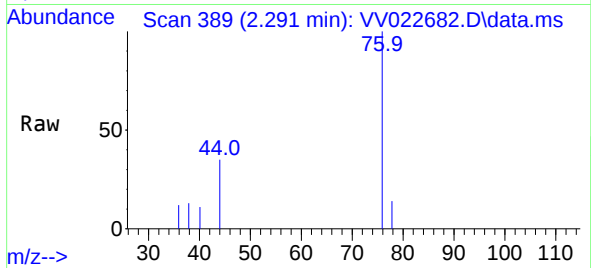




#14
Carbon disulfide
Concen: 0.094 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

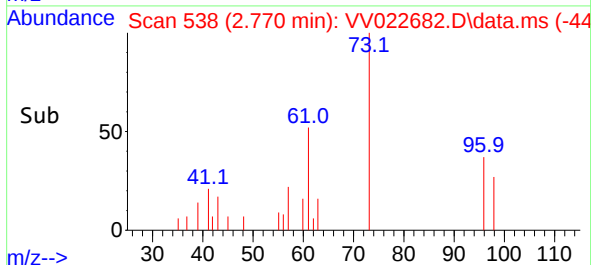
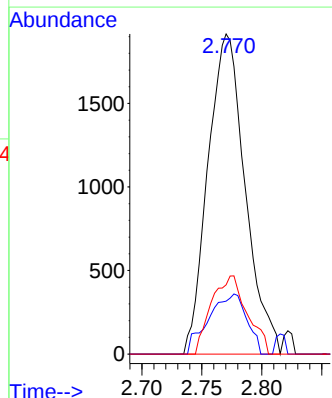
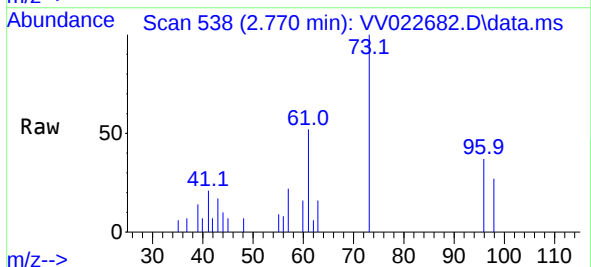
Instrument :
MSVOA_V
ClientSampled :
C0AX4

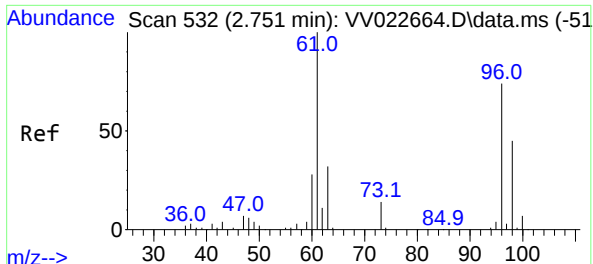
Tgt Ion: 76 Resp: 1740
Ion Ratio Lower Upper
76 100
78 13.7 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.259 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.009 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

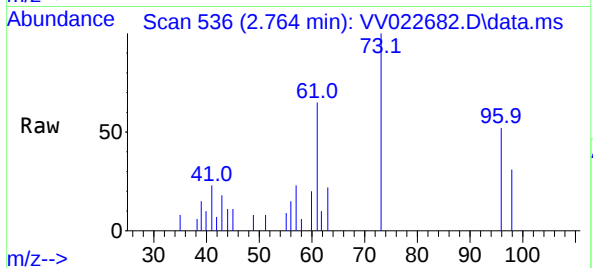
Tgt Ion: 73 Resp: 4128
Ion Ratio Lower Upper
73 100
43 19.3 17.1 25.7
57 23.5 17.2 25.8



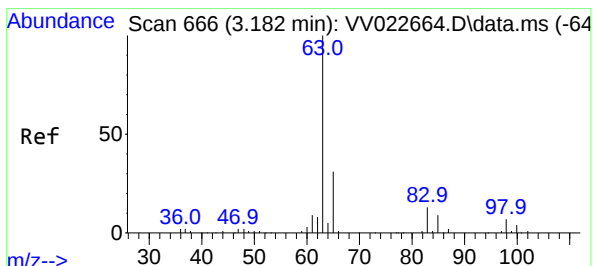
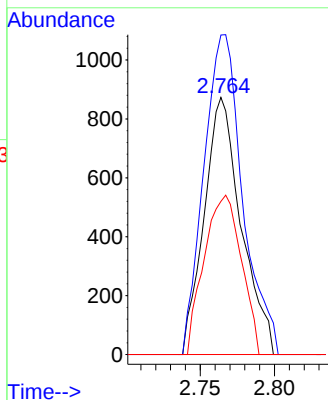
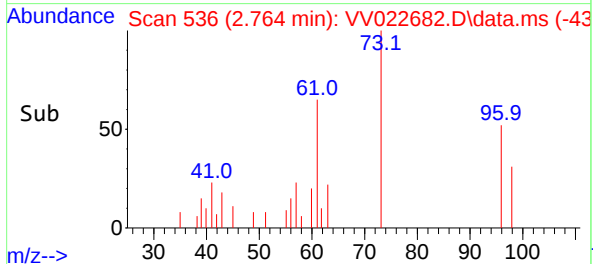


#18
trans-1,2-Dichloroethene
Concen: 0.211 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.013 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

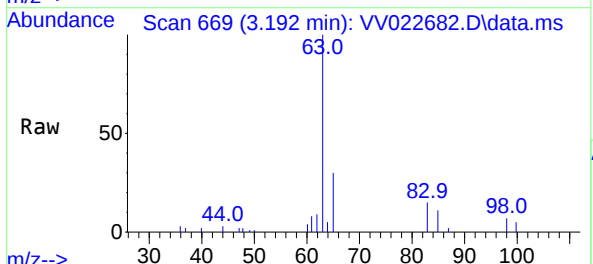
Instrument :
MSVOA_V
ClientSampleId :
C0AX4



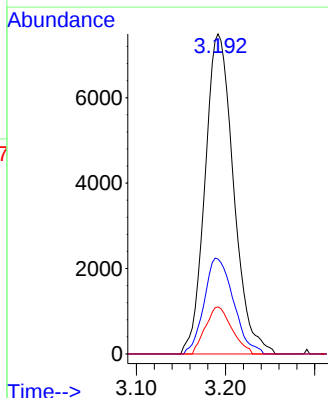
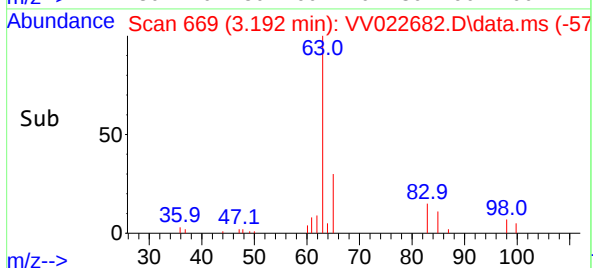
Tgt Ion: 96 Resp: 1514
Ion Ratio Lower Upper
96 100
61 124.3 94.5 175.5
98 59.6 44.2 82.0

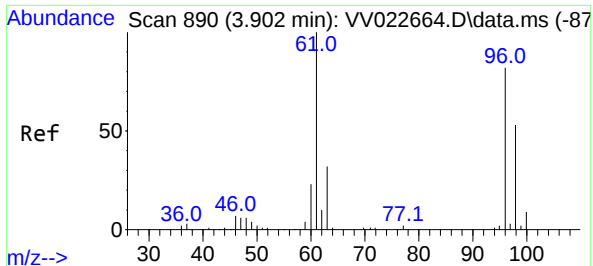


#19
1,1-Dichloroethane
Concen: 1.291 ug/L
RT: 3.192 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04



Tgt Ion: 63 Resp: 16659
Ion Ratio Lower Upper
63 100
65 29.7 23.5 43.7
83 14.7 10.1 18.7

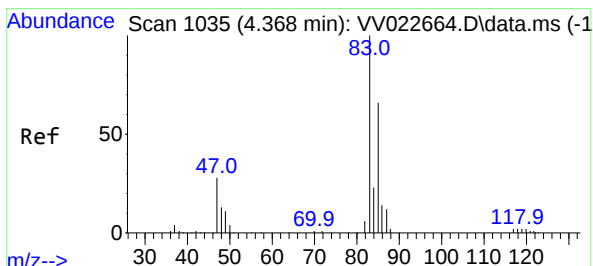
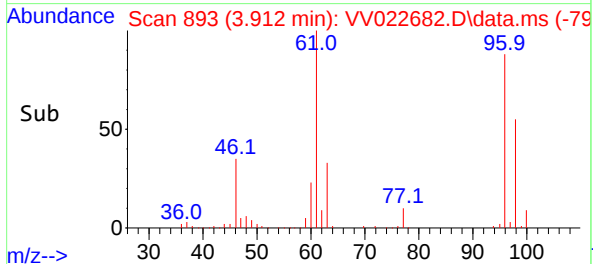
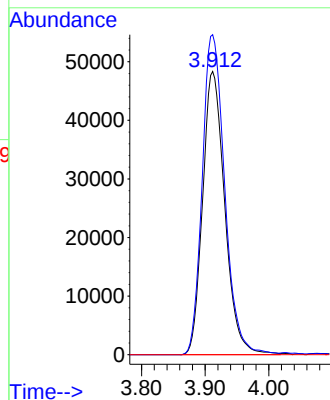
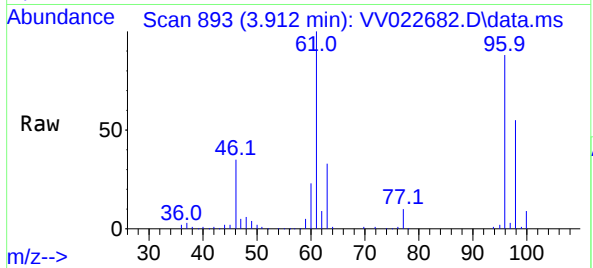




#22
cis-1,2-Dichloroethene
Concen: 15.533 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.010 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

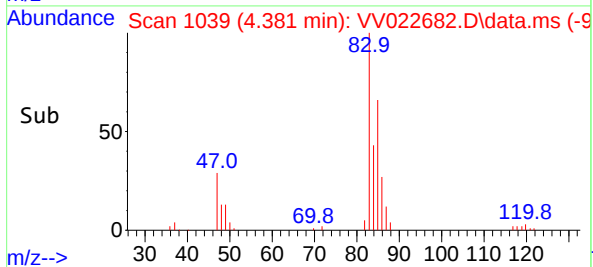
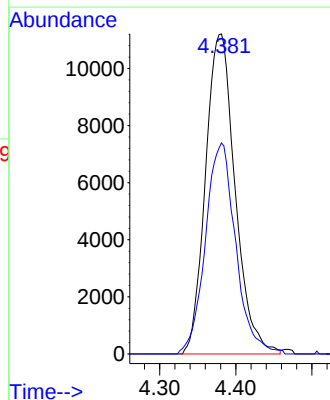
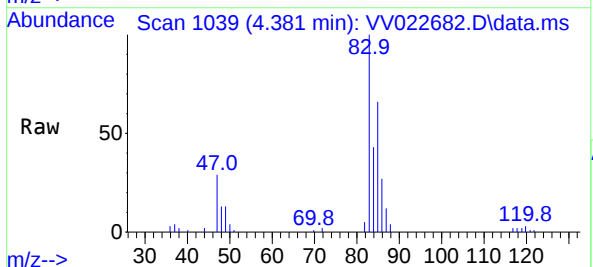
Instrument :
MSVOA_V
ClientSampleId :
C0AX4

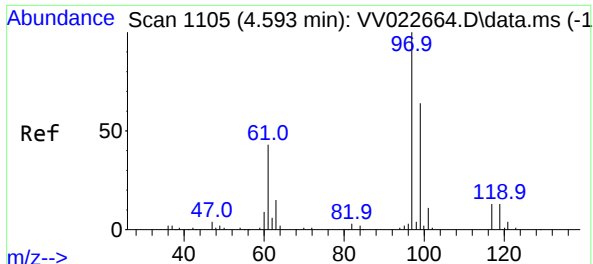
Tgt Ion: 96 Resp: 116828
Ion Ratio Lower Upper
96 100
61 113.0 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 2.029 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 83 Resp: 30337
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



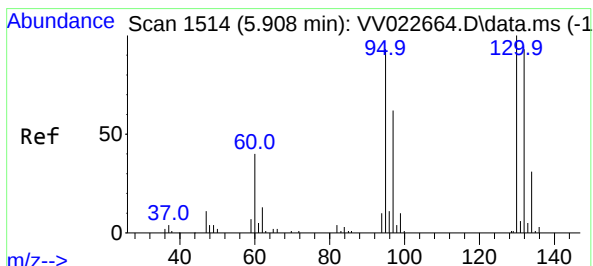
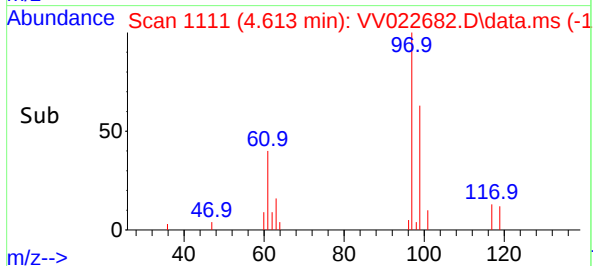
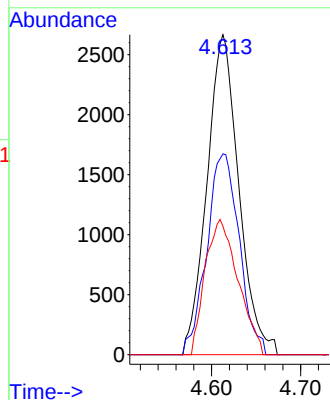
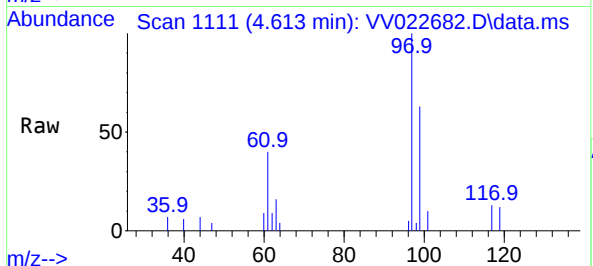


#29
1,1,1-Trichloroethane
Concen: 0.531 ug/L
RT: 4.613 min Scan# 1111
Delta R.T. 0.019 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Instrument :
MSVOA_V
ClientSampled :
C0AX4

Tgt Ion: 97 Resp: 6633

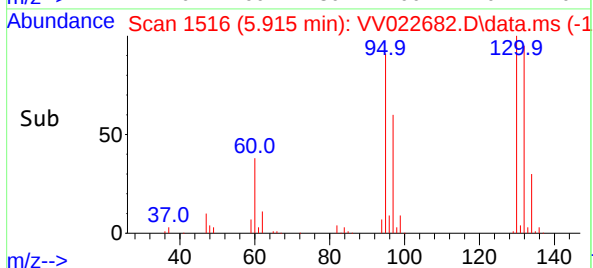
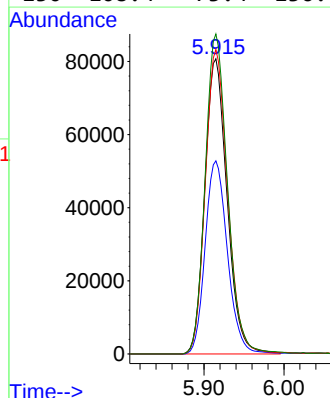
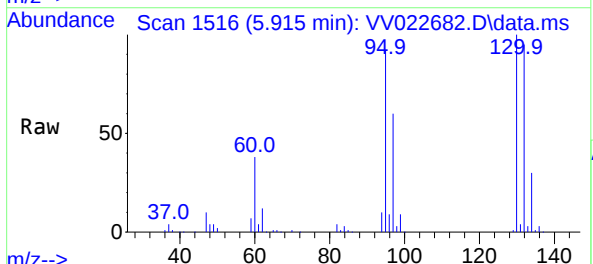
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	43.5	33.2	49.8

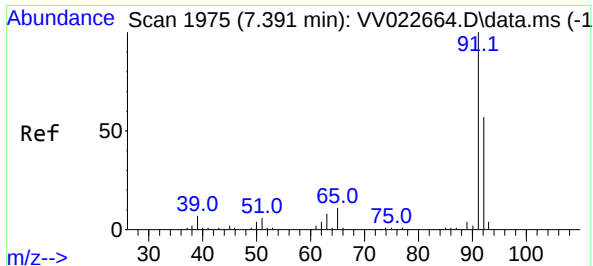


#34
Trichloroethene
Concen: 19.557 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 95 Resp: 156656

Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.8	85.2
132	103.1	72.2	134.0
130	108.4	73.4	136.4

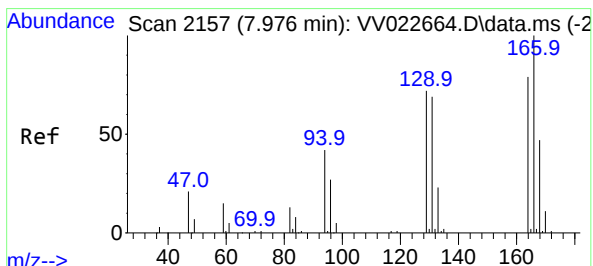
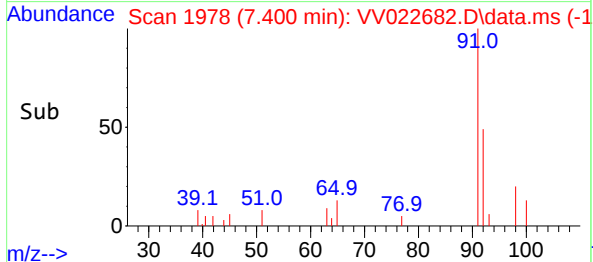
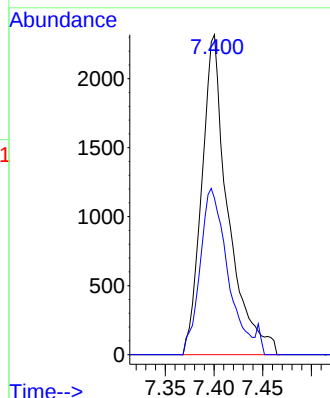
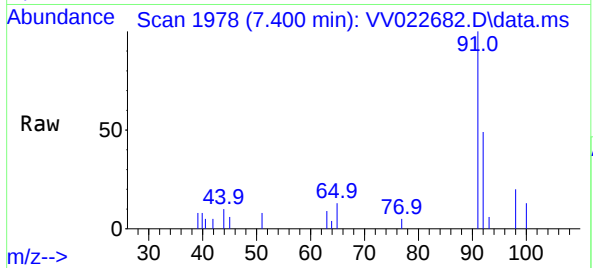




#42
Toluene
Concen: 0.145 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Instrument :
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ClientSampleId :
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Tgt Ion: 91 Resp: 4328
Ion Ratio Lower Upper
91 100
92 48.9 40.7 75.7



#47
Tetrachloroethene
Concen: 38.152 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 164 Resp: 247162
Ion Ratio Lower Upper
164 100
129 91.3 65.0 120.6
131 87.7 62.2 115.4
166 128.4 89.2 165.8

