

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100521\
 Data File : VV022580.D
 Acq On : 05 Oct 2021 18:15
 Operator : SY/MD
 Sample : M4052-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AX4

Quant Time: Oct 06 05:30:33 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)

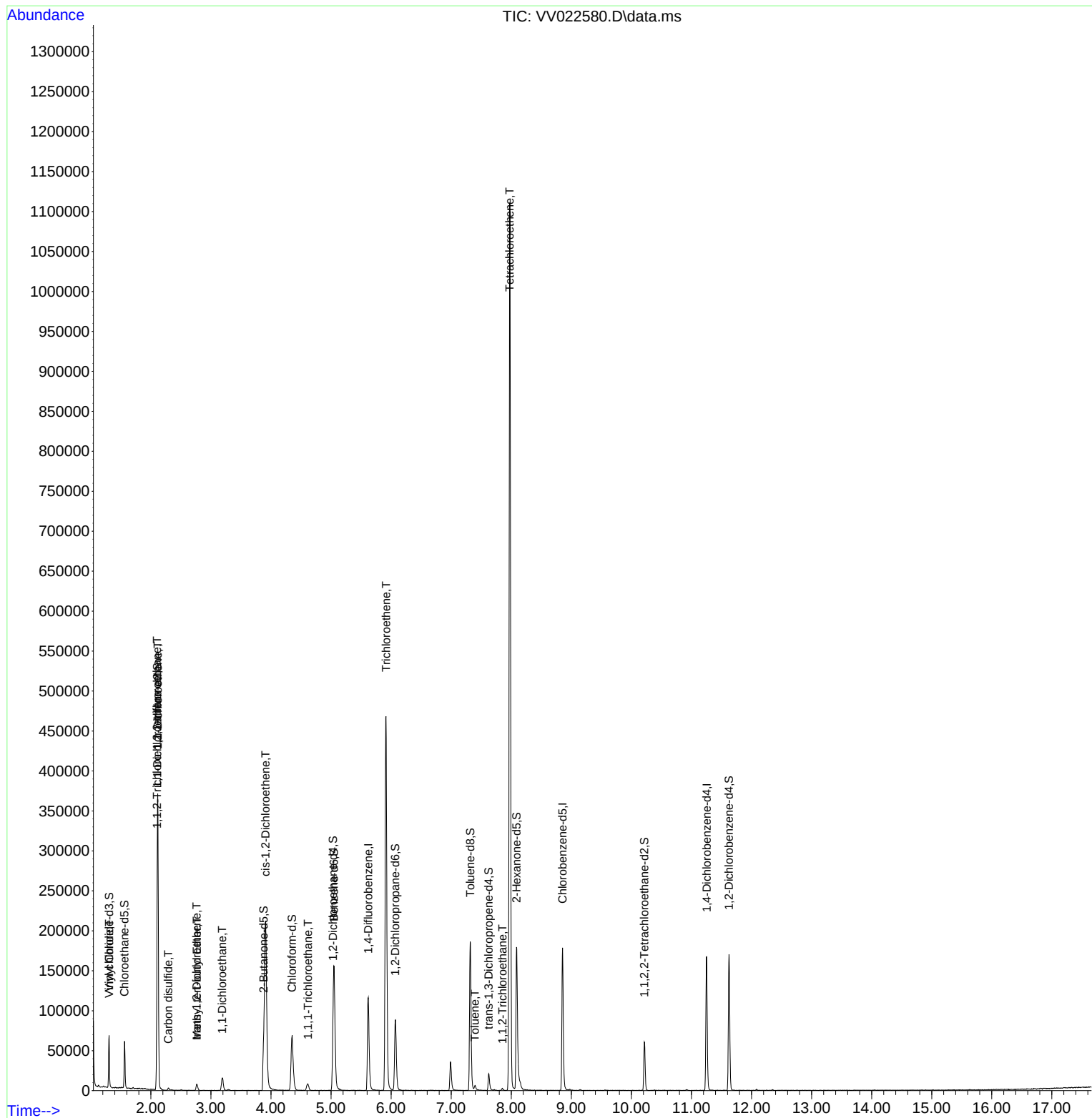
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	105584	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102964	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	47689	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38815	11.474	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	229.400%#
7) Chloroethane-d5	1.561	69	34277	7.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	150.400%#
11) 1,1-Dichloroethene-d2	2.108	63	105371	10.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	214.800%#
20) 2-Butanone-d5	3.876	46	83324	41.668	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.340%
24) Chloroform-d	4.349	84	69084	5.303	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.034	65	34587	5.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.800%
32) Benzene-d6	5.050	84	143964	6.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.000%
36) 1,2-Dichloropropane-d6	6.069	67	44086	5.385	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.317	98	126503	6.504	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.000%
43) trans-1,3-Dichloroprop...	7.625	79	12383	5.716	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.400%
46) 2-Hexanone-d5	8.088	63	59601	44.433	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.860%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28399	4.566	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	47697	6.466	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.400%#
Target Compounds			Qvalue			
5) Vinyl chloride	1.307	62	1810	0.223	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	991	0.142	ug/L #	30
12) 1,1-Dichloroethene	2.114	96	93364	14.435	ug/L	97
14) Carbon disulfide	2.291	76	2423	0.128	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	4252	0.259	ug/L #	88
18) trans-1,2-Dichloroethene	2.764	96	1508	0.214	ug/L	90
19) 1,1-Dichloroethane	3.188	63	16609	1.313	ug/L	98
22) cis-1,2-Dichloroethene	3.909	96	117363	15.346	ug/L	95
29) 1,1,1-Trichloroethane	4.616	97	7480	0.636	ug/L #	86
34) Trichloroethene	5.915	95	159747	19.810	ug/L	99
42) Toluene	7.394	91	4393	0.151	ug/L	99
45) 1,1,2-Trichloroethane	7.854	97	886	0.175	ug/L	89
47) Tetrachloroethene	7.976	164	250113	39.887	ug/L	98

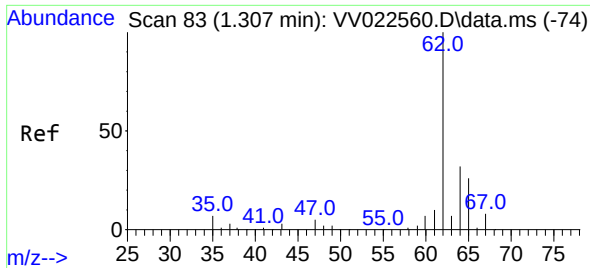
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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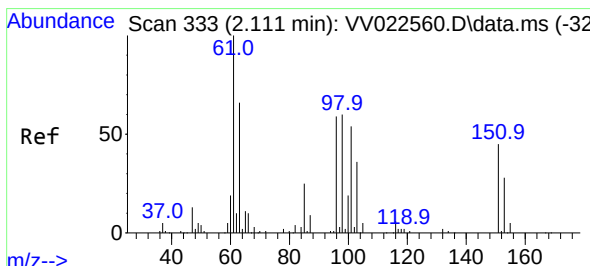
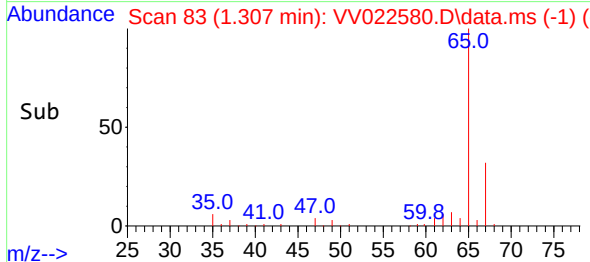
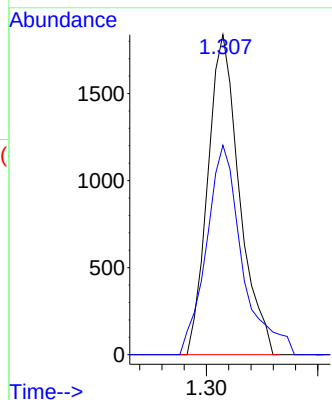
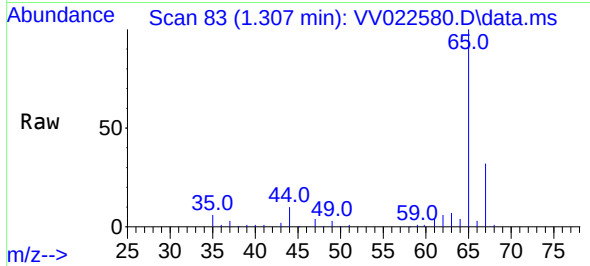




#5
 Vinyl chloride
 Concen: 0.223 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV022580.D
 Acq: 05 Oct 2021 18:15

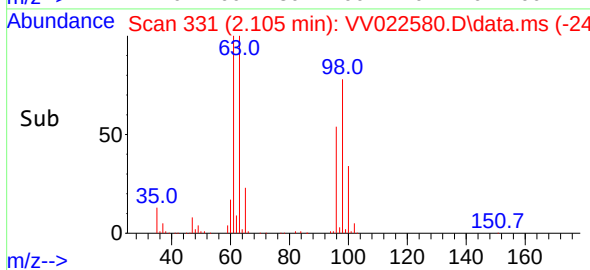
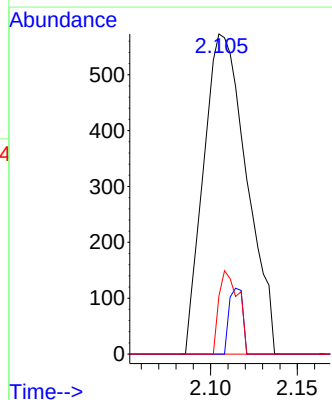
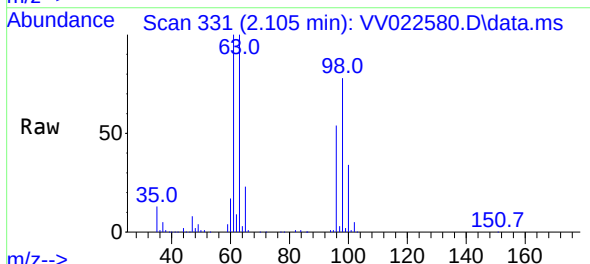
Instrument :
 MSVOA_V
 ClientSampled :
 C0AX4

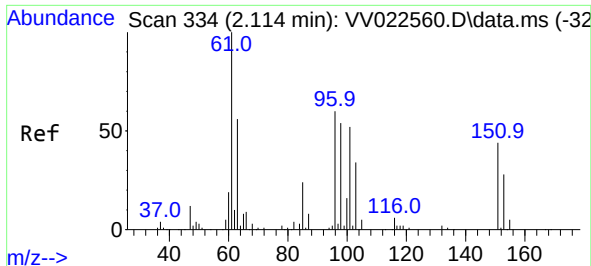
Tgt Ion: 62 Resp: 1810
 Ion Ratio Lower Upper
 62 100
 64 65.5 22.3 41.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.142 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.006 min
 Lab File: VV022580.D
 Acq: 05 Oct 2021 18:15

Tgt Ion: 101 Resp: 991
 Ion Ratio Lower Upper
 101 100
 85 6.5 35.8 53.6#
 151 11.7 61.9 92.9#

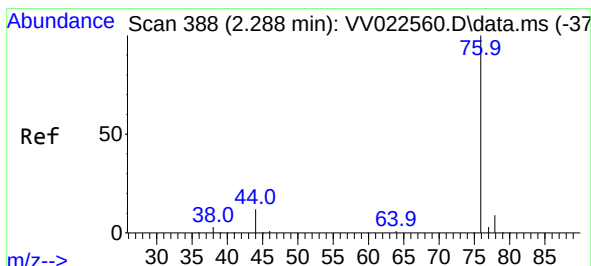
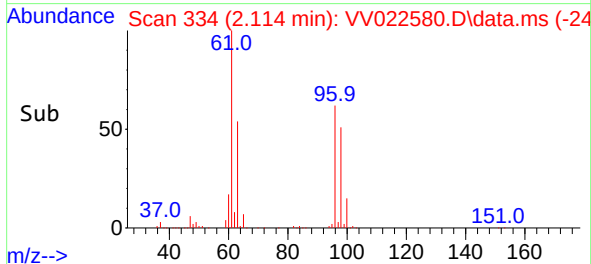
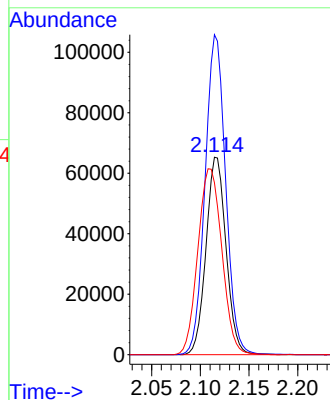
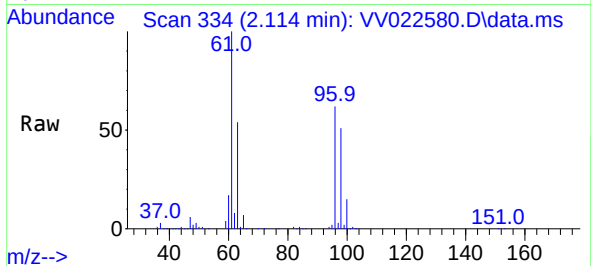




#12
1,1-Dichloroethene
Concen: 14.435 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

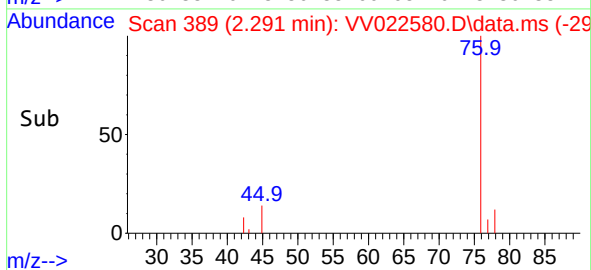
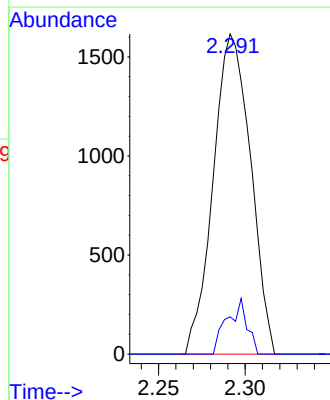
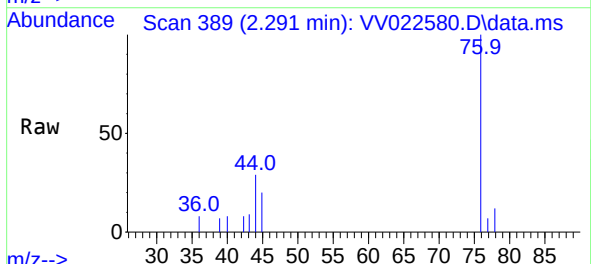
Instrument :
MSVOA_V
ClientSampleId :
C0AX4

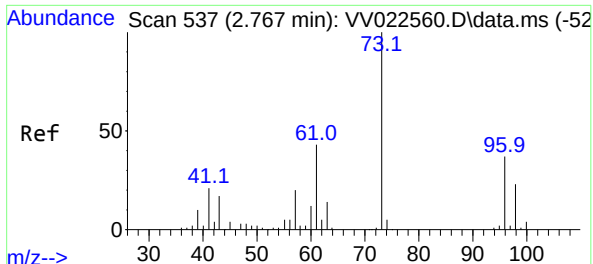
Tgt Ion: 96 Resp: 93364
Ion Ratio Lower Upper
96 100
61 162.1 113.2 210.2
63 87.2 66.6 123.8



#14
Carbon disulfide
Concen: 0.128 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Tgt Ion: 76 Resp: 2423
Ion Ratio Lower Upper
76 100
78 11.6 7.8 11.6



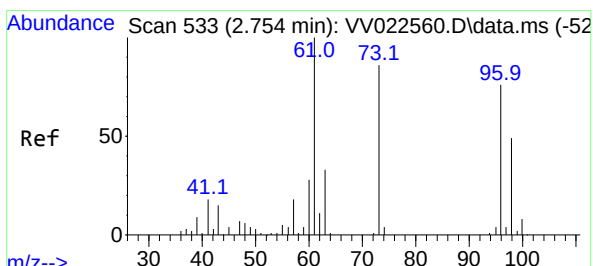
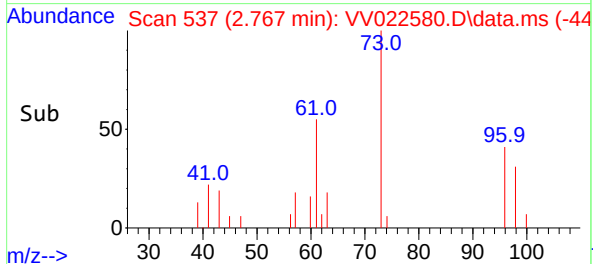
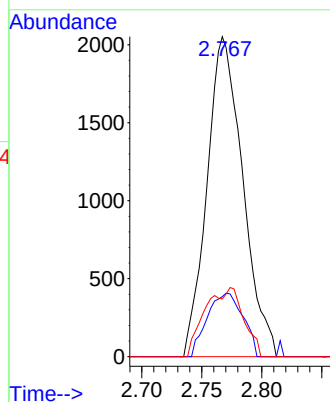
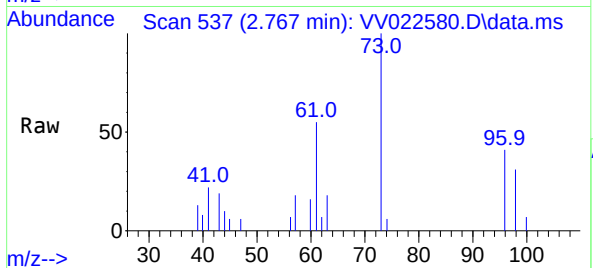


#17
Methyl tert-butyl Ether
Concen: 0.259 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Instrument :
MSVOA_V
ClientSampled :
C0AX4

Tgt Ion: 73 Resp: 4252

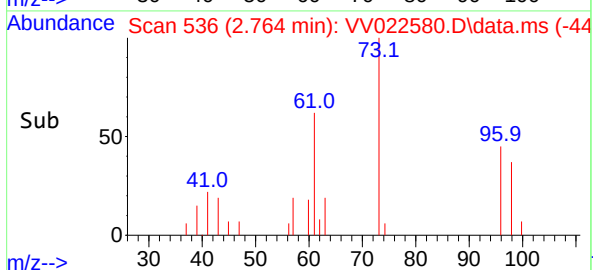
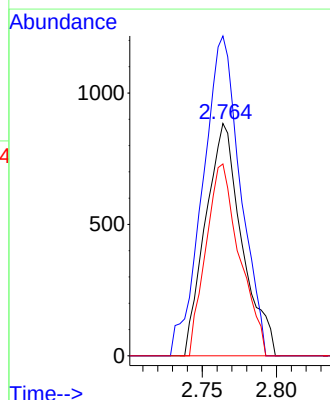
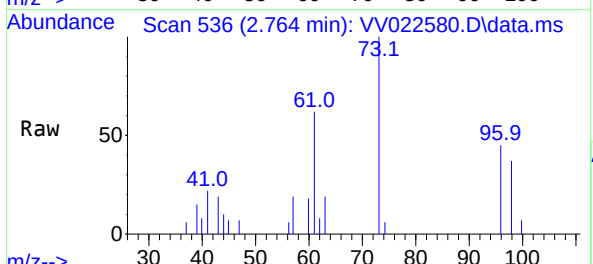
Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.3	24.5
57	11.5	17.5	26.3#

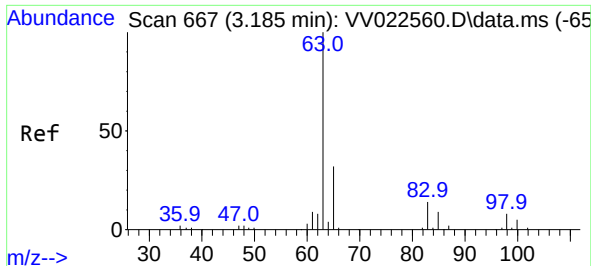


#18
trans-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.010 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Tgt Ion: 96 Resp: 1508

Ion	Ratio	Lower	Upper
96	100		
61	137.7	94.0	174.6
98	82.6	44.9	83.3





#19

1,1-Dichloroethane

Concen: 1.313 ug/L

RT: 3.188 min Scan# 668

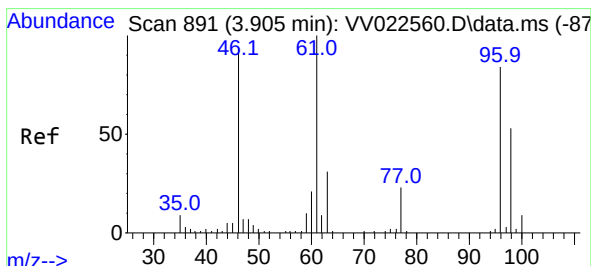
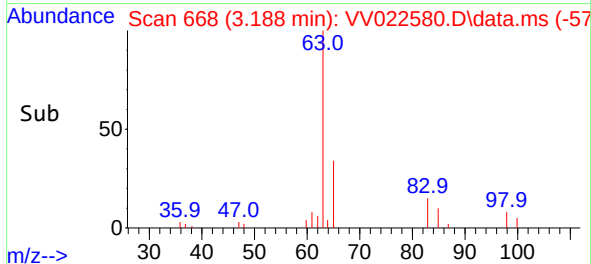
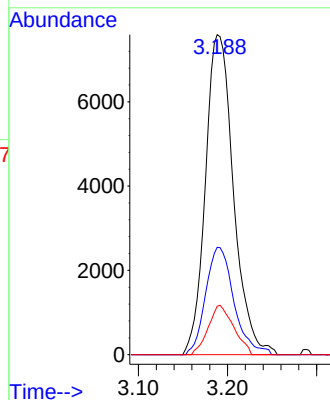
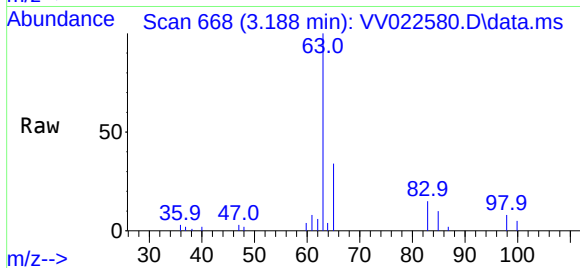
Delta R.T. 0.003 min

Lab File: VV022580.D

Acq: 05 Oct 2021 18:15

Tgt Ion: 63 Resp: 16609

Ion	Ratio	Lower	Upper
63	100		
65	33.6	22.8	42.4
83	15.1	10.2	19.0



#22

cis-1,2-Dichloroethene

Concen: 15.346 ug/L

RT: 3.909 min Scan# 892

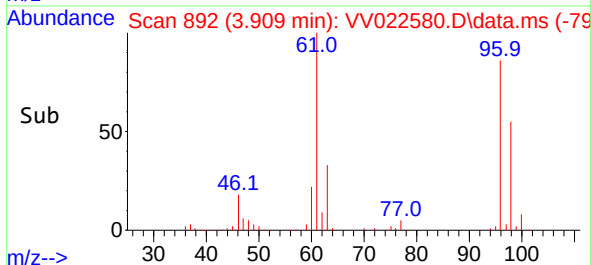
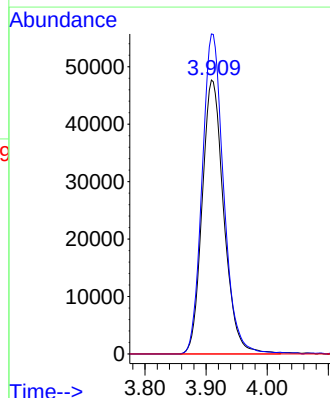
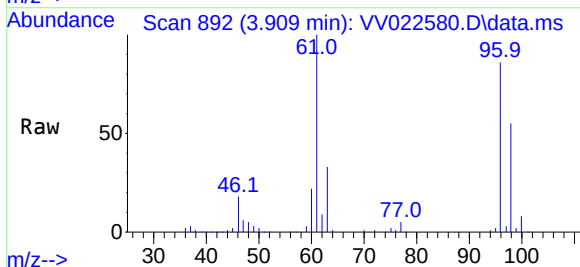
Delta R.T. 0.003 min

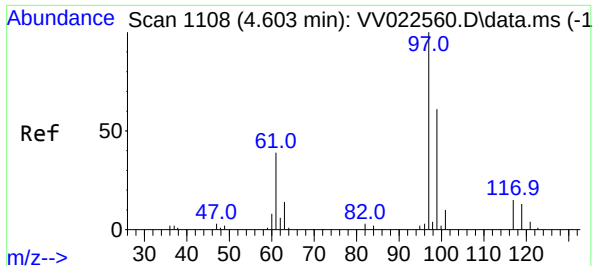
Lab File: VV022580.D

Acq: 05 Oct 2021 18:15

Tgt Ion: 96 Resp: 117363

Ion	Ratio	Lower	Upper
96	100		
61	116.8	85.6	159.0
68	0.0	0.0	0.0



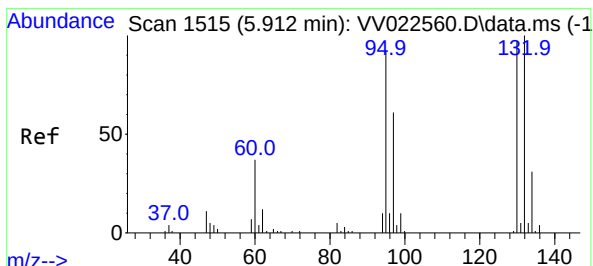
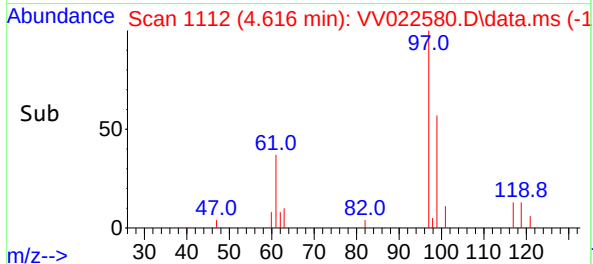
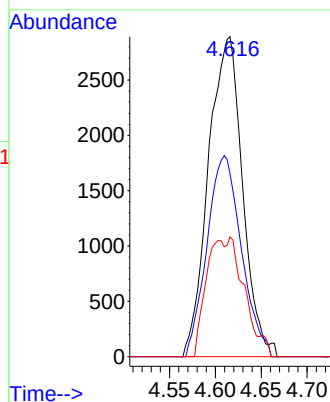
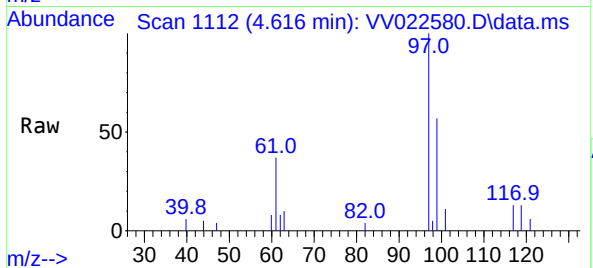


#29

1,1,1-Trichloroethane
Concen: 0.636 ug/L
RT: 4.616 min Scan# 1112
Delta R.T. 0.013 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Instrument :
MSVOA_V
ClientSampled :
C0AX4

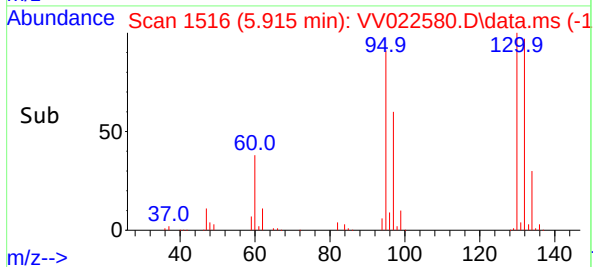
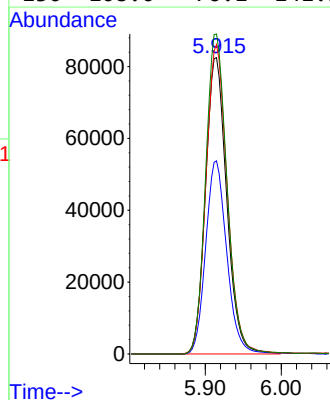
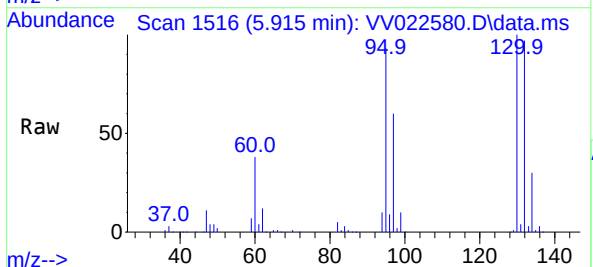
Tgt Ion: 97 Resp: 7480
Ion Ratio Lower Upper
97 100
99 63.3 49.8 74.6
61 20.4 32.5 48.7#

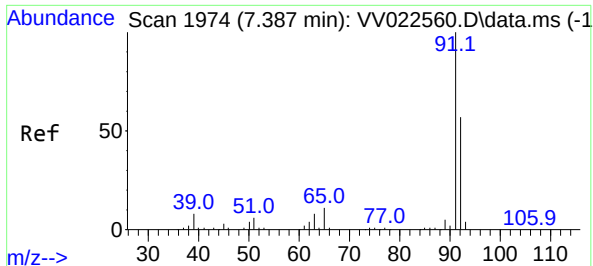


#34

Trichloroethene
Concen: 19.810 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Tgt Ion: 95 Resp: 159747
Ion Ratio Lower Upper
95 100
97 65.1 46.5 86.5
132 104.4 73.0 135.6
130 108.0 76.1 141.3





#42

Toluene

Concen: 0.151 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV022580.D

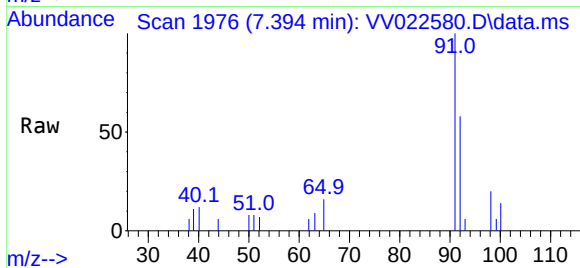
Acq: 05 Oct 2021 18:15

Tgt Ion: 91 Resp: 4393

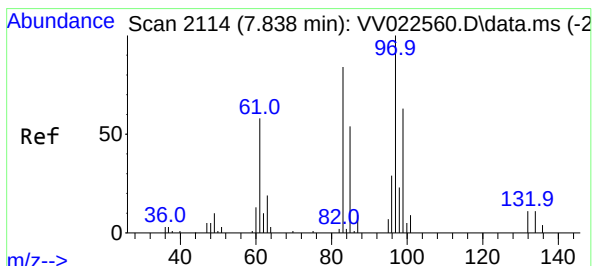
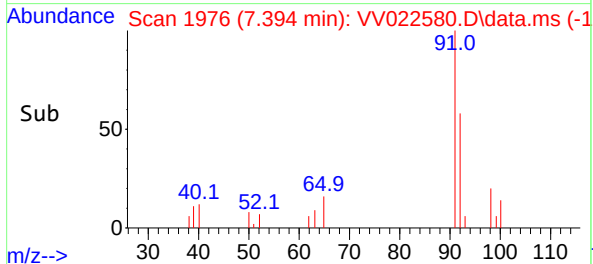
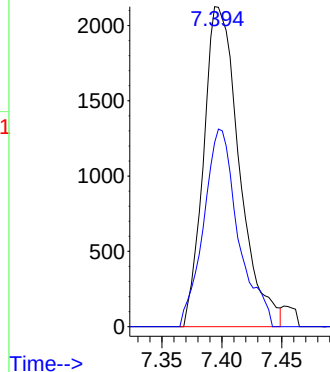
Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



Abundance



#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 7.854 min Scan# 2119

Delta R.T. 0.016 min

Lab File: VV022580.D

Acq: 05 Oct 2021 18:15

Tgt Ion: 97 Resp: 886

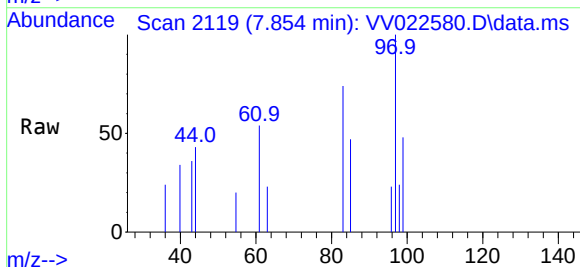
Ion Ratio Lower Upper

97 100

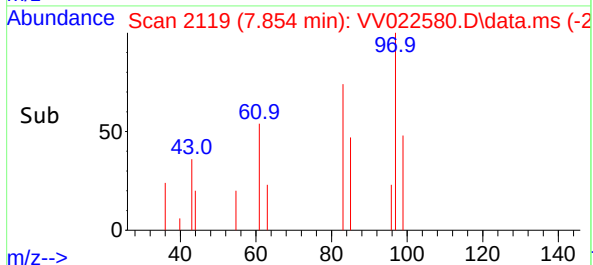
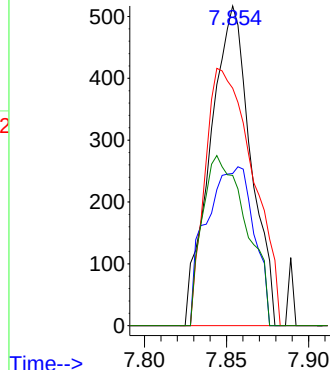
99 47.6 42.6 79.0

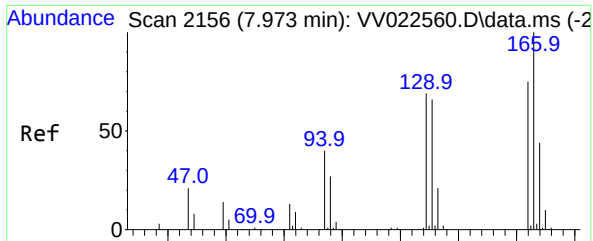
83 74.3 57.7 107.1

85 47.0 36.8 68.3



Abundance





#47
Tetrachloroethene
Concen: 39.887 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV022580.D
Acq: 05 Oct 2021 18:15

Instrument :
MSVOA_V
ClientSampleId :
C0AX4

Tgt Ion:164 Resp: 250113

Ion	Ratio	Lower	Upper
164	100		
129	90.3	65.5	121.6
131	88.4	62.4	116.0
166	128.1	91.1	169.3

