

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093021\
 Data File : VV022465.D
 Acq On : 01 Oct 2021 04:54
 Operator : SY/MD
 Sample : M3996-20
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A41

Quant Time: Oct 01 06:28:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 01 04:27:45 2021
 Response via : Initial Calibration

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

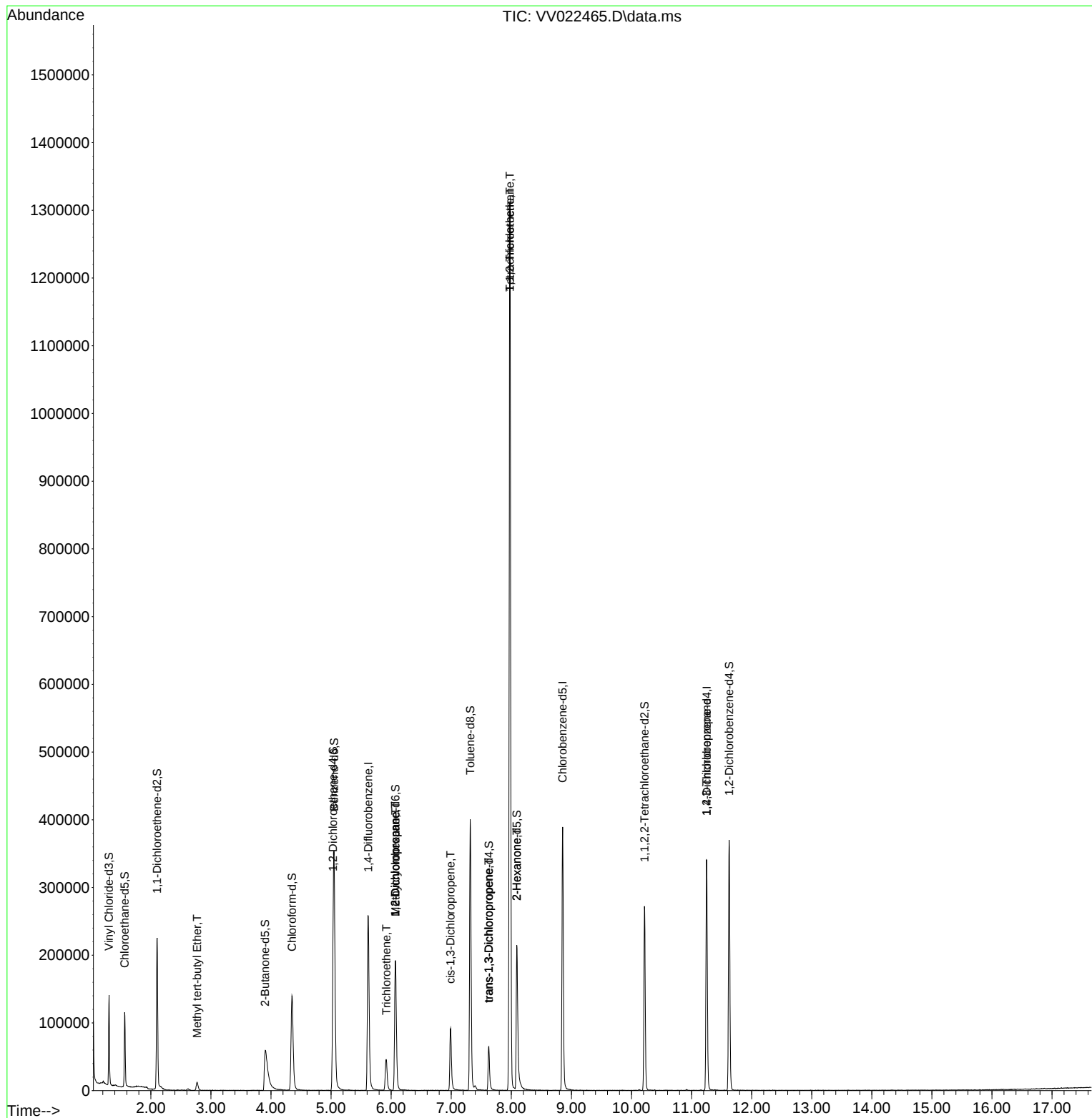
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	231725	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	220874	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	95471	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	81207	41.294	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.580%		
7) Chloroethane-d5	1.565	69	66296	42.622	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.240%		
11) 1,1-Dichloroethene-d2	2.105	63	115478	33.774	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.540%		
21) 2-Butanone-d5	3.902	46	123172	88.749	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.750%		
24) Chloroform-d	4.349	84	145485	40.970	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.940%		
26) 1,2-Dichloroethane-d4	5.034	65	92323	42.396	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.800%		
32) Benzene-d6	5.050	84	307492	44.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.500%		
36) 1,2-Dichloropropane-d6	6.072	67	95349	42.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.780%		
41) Toluene-d8	7.317	98	268388	42.200	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.400%		
43) trans-1,3-Dichloroprop...	7.625	79	37460	36.904	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.800%		
47) 2-Hexanone-d5	8.092	63	76525	84.720	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.720%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	129078	40.001	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.000%		
66) 1,2-Dichlorobenzene-d4	11.625	152	99897	47.056	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.120%		
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	2.770	73	11470	2.194	ug/L	94
34) Trichloroethene	5.918	95	15588	8.993	ug/L	99
35) Methylcyclohexane	6.072	83	24152	9.044	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	10577	6.114	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	2315	0.909	ug/L #	66
44) trans-1,3-Dichloropropene	7.622	75	1701	0.700	ug/L #	75
45) 1,1,2-Trichloroethane	7.976	97	2303	1.308	ug/L #	1
46) Tetrachloroethene	7.976	164	299137	209.586	ug/L	96
48) 2-Hexanone	8.092	43	8511	4.604	ug/L #	54
61) 1,2,3-Trichloropropane	11.249	75	10585	5.943	ug/L #	64

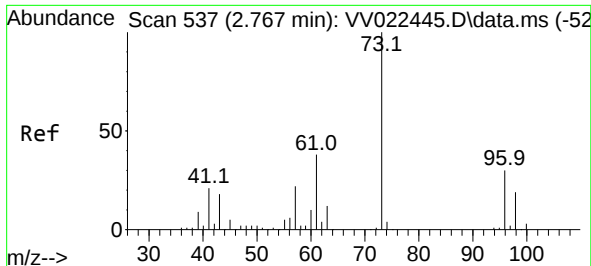
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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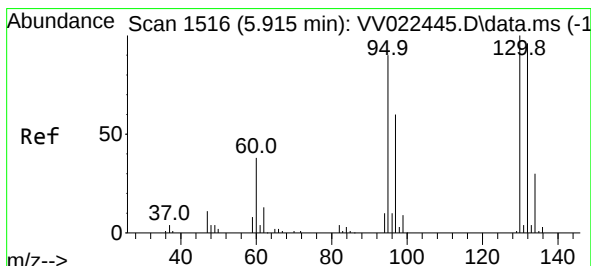
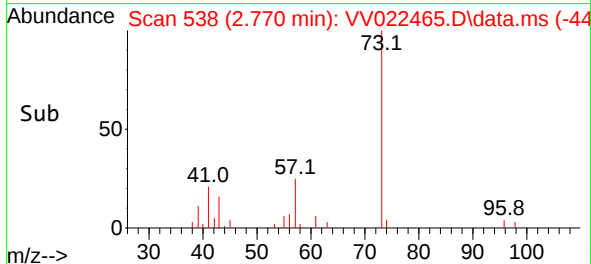
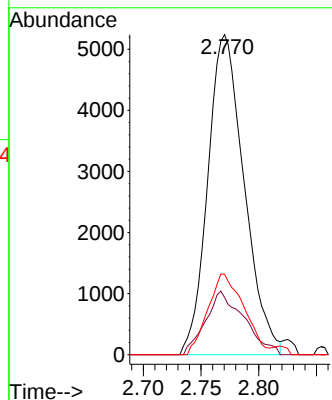
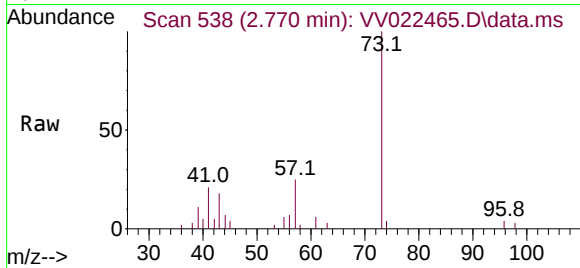




#18
Methyl tert-butyl Ether
Concen: 2.194 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

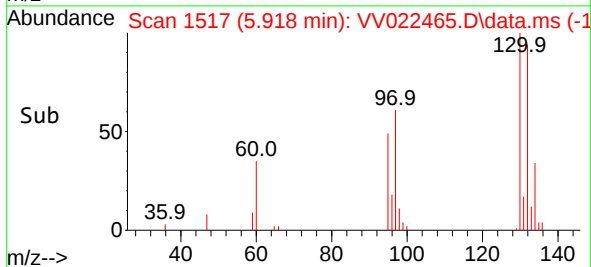
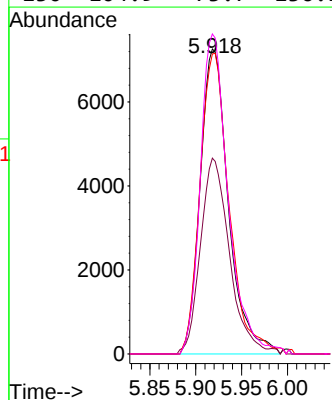
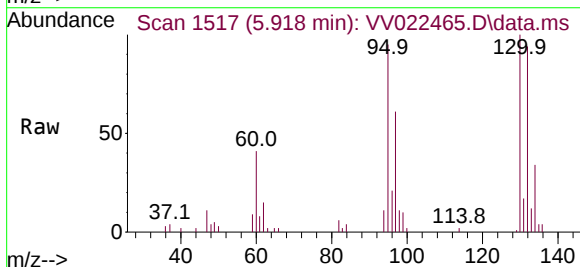
Instrument :
MSVOA_V
ClientSampled :
F4A41

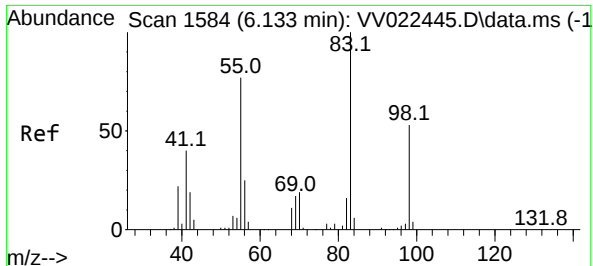
Tgt Ion: 73 Resp: 11470
Ion Ratio Lower Upper
73 100
43 21.0 14.6 21.8
57 25.0 17.6 26.4



#34
Trichloroethene
Concen: 8.993 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

Tgt Ion: 95 Resp: 15588
Ion Ratio Lower Upper
95 100
97 64.2 45.2 84.0
132 98.4 71.0 131.8
130 104.9 73.7 136.9





#35

Methylcyclohexane

Concen: 9.044 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV022465.D

Acq: 01 Oct 2021 04:54

Tgt Ion: 83 Resp: 24152

Ion Ratio Lower Upper

83 100

55 0.3 58.6 87.8#

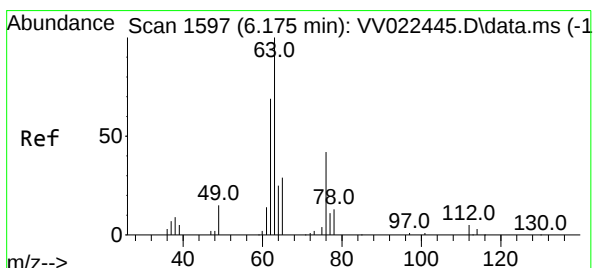
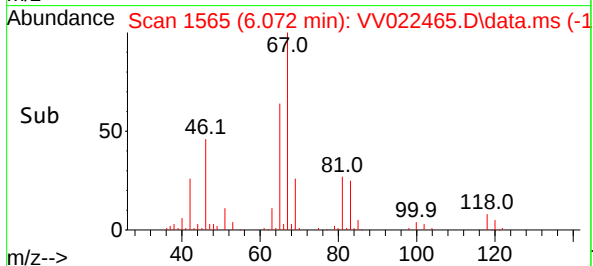
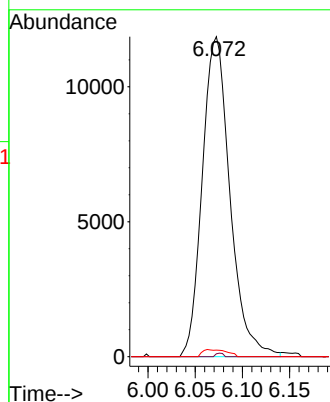
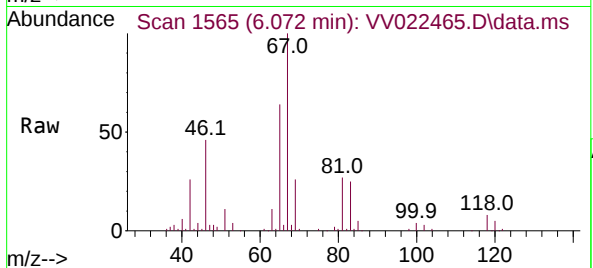
98 0.9 39.2 58.8#

Instrument :

MSVOA_V

ClientSampleId :

F4A41



#37

1,2-Dichloropropane

Concen: 6.114 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.106 min

Lab File: VV022465.D

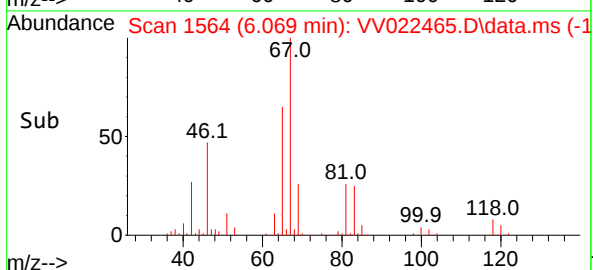
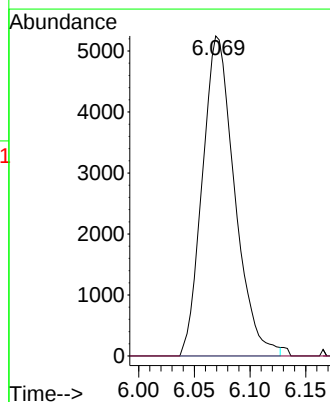
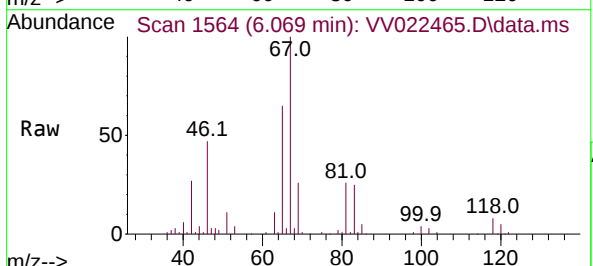
Acq: 01 Oct 2021 04:54

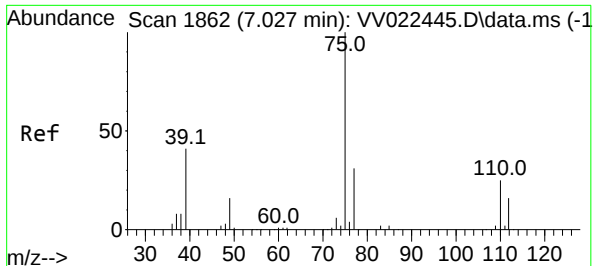
Tgt Ion: 63 Resp: 10577

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



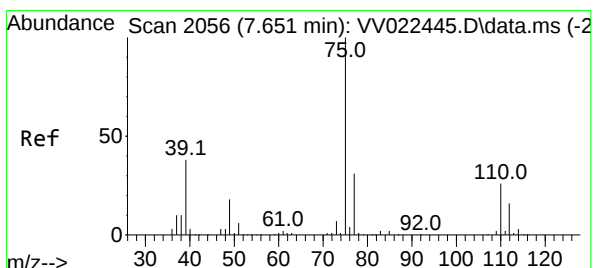
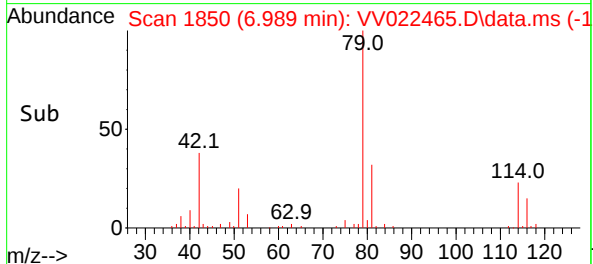
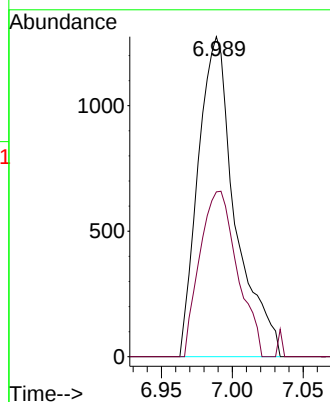
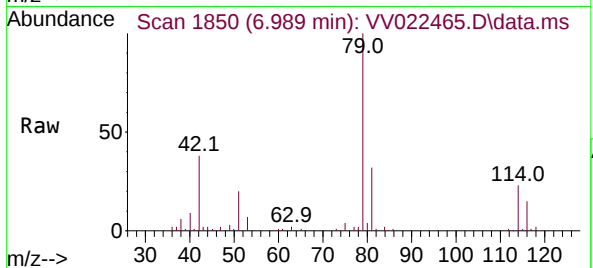


#39

cis-1,3-Dichloropropene
Concen: 0.909 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

Instrument :
MSVOA_V
ClientSampled :
F4A41

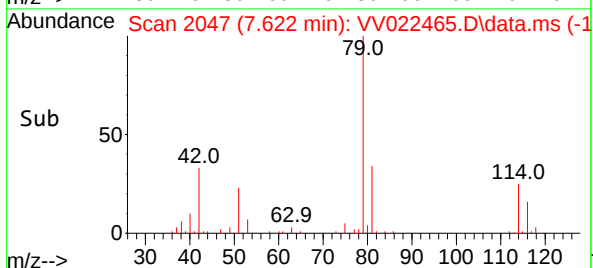
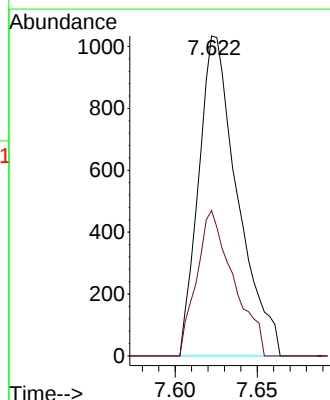
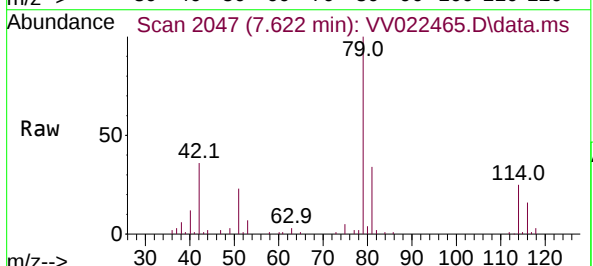
Tgt Ion: 75 Resp: 2315
Ion Ratio Lower Upper
75 100
77 51.5 22.7 42.1#

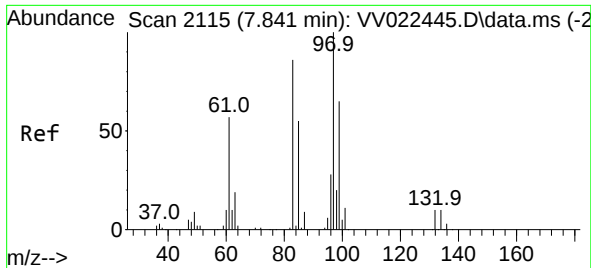


#44

trans-1,3-Dichloropropene
Concen: 0.700 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.029 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

Tgt Ion: 75 Resp: 1701
Ion Ratio Lower Upper
75 100
77 45.5 22.3 41.3#





#45

1,1,2-Trichloroethane

Concen: 1.308 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.135 min

Lab File: VV022465.D

Acq: 01 Oct 2021 04:54

Tgt Ion: 97 Resp: 2303

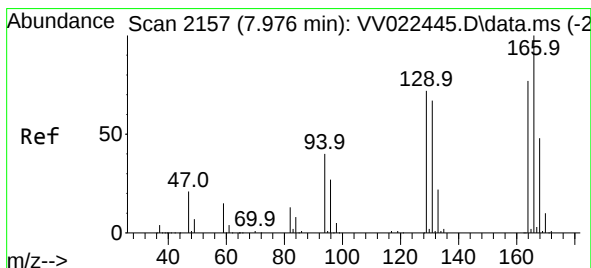
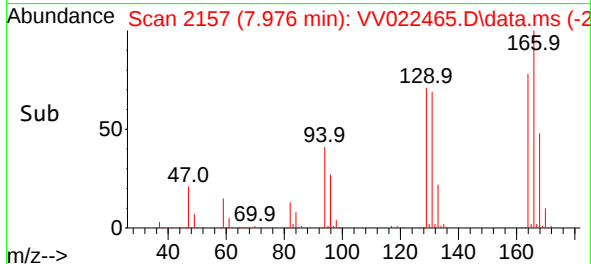
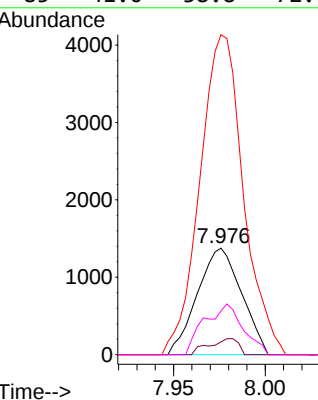
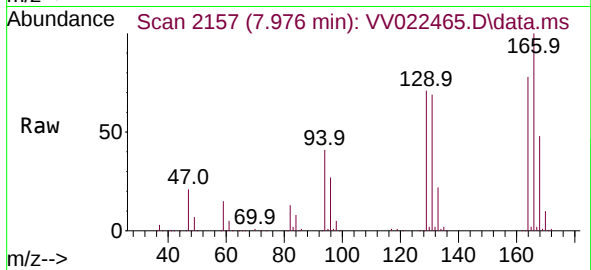
Ion Ratio Lower Upper

97 100

99 12.1 44.6 82.8#

83 300.2 59.8 111.1#

85 41.0 38.8 72.0



#46

Tetrachloroethene

Concen: 209.586 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV022465.D

Acq: 01 Oct 2021 04:54

Tgt Ion:164 Resp: 299137

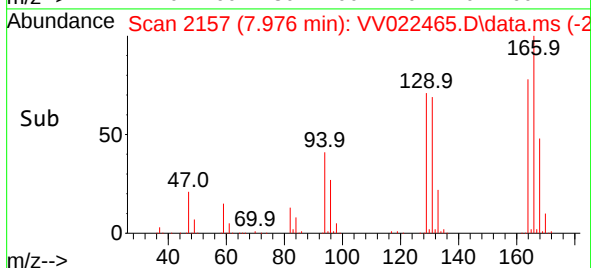
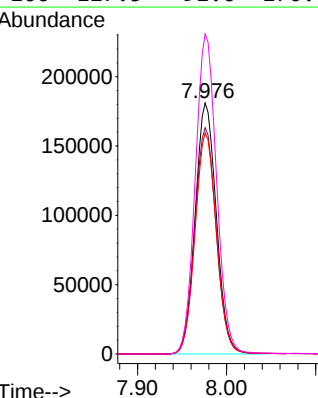
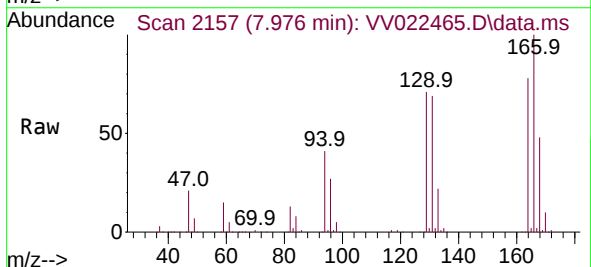
Ion Ratio Lower Upper

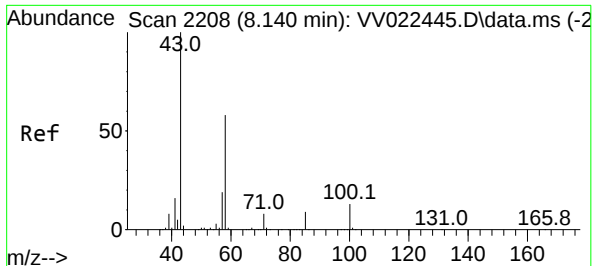
164 100

129 90.1 66.4 123.4

131 88.0 63.6 118.0

166 127.5 91.6 170.0



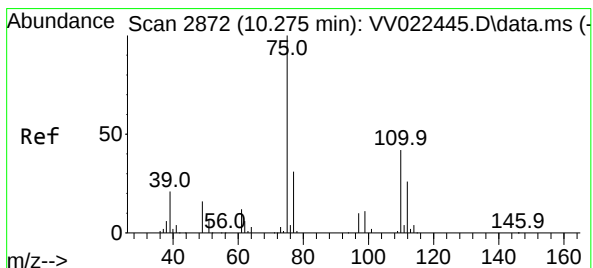
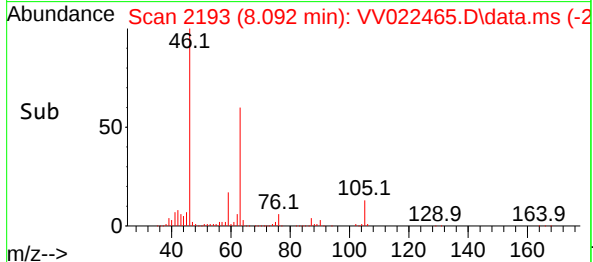
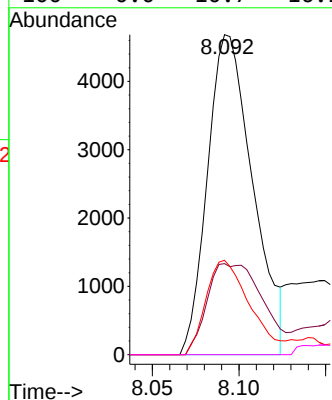
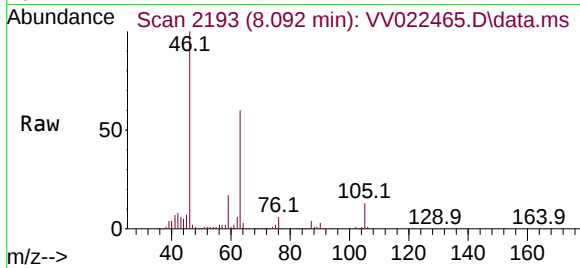


#48
2-Hexanone
Concen: 4.604 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

Instrument :
MSVOA_V
ClientSampled :
F4A41

Tgt Ion: 43 Resp: 8511

Ion	Ratio	Lower	Upper
43	100		
58	15.5	45.4	68.2#
57	28.8	15.0	22.4#
100	0.0	10.7	16.1#



#61
1,2,3-Trichloropropane
Concen: 5.943 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022465.D
Acq: 01 Oct 2021 04:54

Tgt Ion: 75 Resp: 10585

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
110	1.4	32.6	48.8#

