

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092921\
 Data File : VV022408.D
 Acq On : 30 Sep 2021 03:45
 Operator : SY/MD
 Sample : M3979-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A09

Quant Time: Sep 30 07:09:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 30 06:55:59 2021
 Response via : Initial Calibration

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

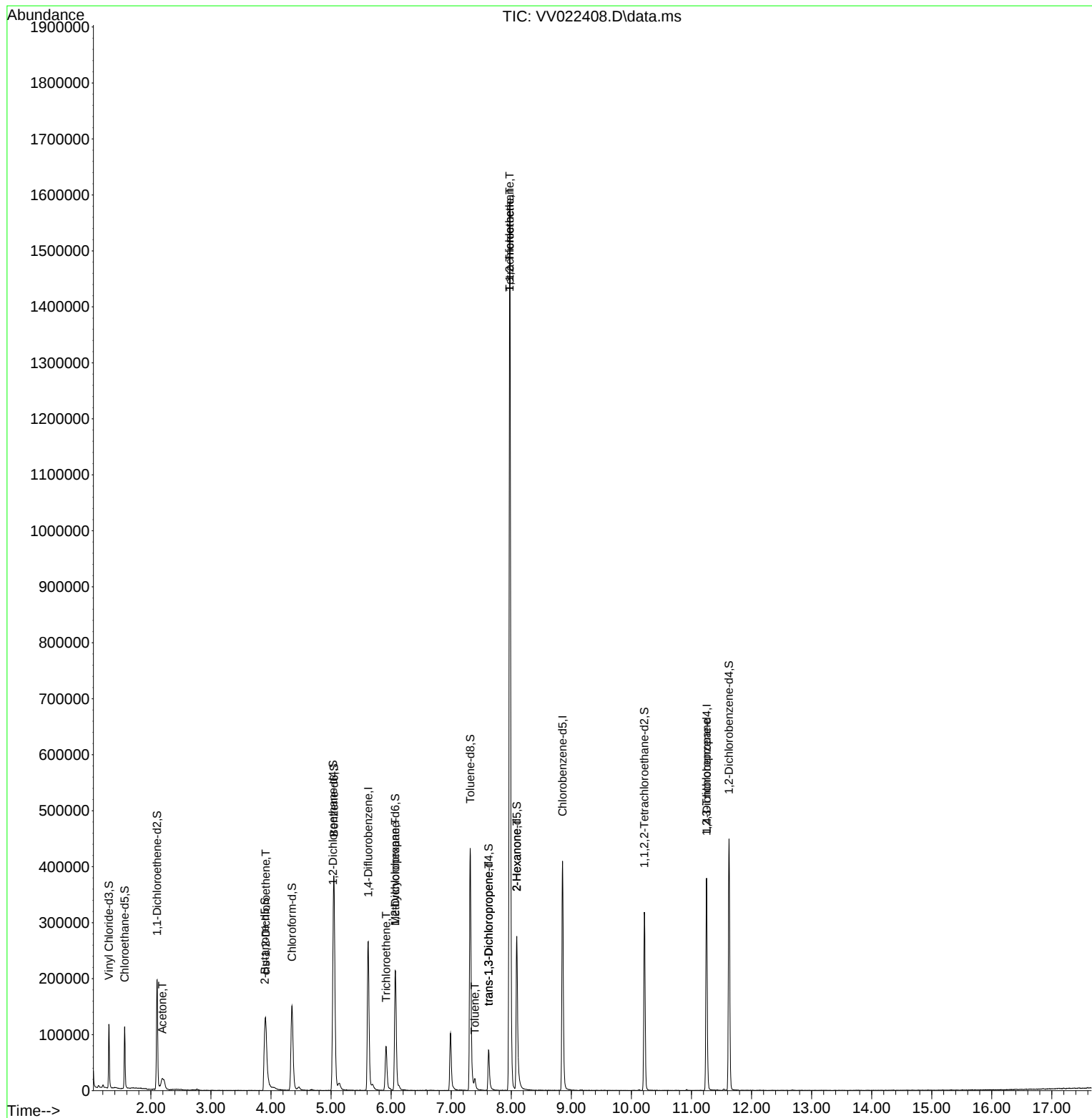
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	235587	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	238199	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	103235	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	71054	35.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.080%
7) Chloroethane-d5	1.564	69	66182	41.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.700%
11) 1,1-Dichloroethene-d2	2.101	63	101722	29.263	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.520%#
21) 2-Butanone-d5	3.896	46	150954	106.984	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.980%
24) Chloroform-d	4.349	84	160549	44.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.940%
26) 1,2-Dichloroethane-d4	5.034	65	102737	46.405	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.820%
32) Benzene-d6	5.050	84	328758	43.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
36) 1,2-Dichloropropane-d6	6.069	67	107902	45.009	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.020%
41) Toluene-d8	7.317	98	295720	43.116	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.240%
43) trans-1,3-Dichloroprop...	7.622	79	44424	40.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.160%
47) 2-Hexanone-d5	8.092	63	100308	102.973	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.970%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	152583	43.846	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.700%
66) 1,2-Dichlorobenzene-d4	11.625	152	118205	51.493	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.980%
Target Compounds						Qvalue
13) Acetone	2.191	43	38820	35.054	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	39693	20.854	ug/L	97
34) Trichloroethene	5.915	95	25442	13.610	ug/L	99
35) Methylcyclohexane	6.069	83	26710	9.275	ug/L #	20
42) Toluene	7.394	91	14550	1.875	ug/L	100
44) trans-1,3-Dichloropropene	7.625	75	1895	0.723	ug/L	83
45) 1,1,2-Trichloroethane	7.976	97	2781	1.465	ug/L #	1
46) Tetrachloroethene	7.976	164	372572	242.051	ug/L	98
48) 2-Hexanone	8.092	43	11003	5.519	ug/L #	72
61) 1,2,3-Trichloropropane	11.249	75	11750	6.101	ug/L #	64

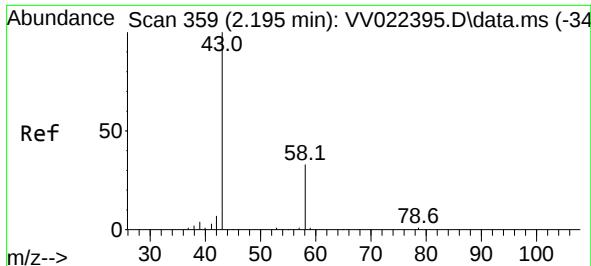
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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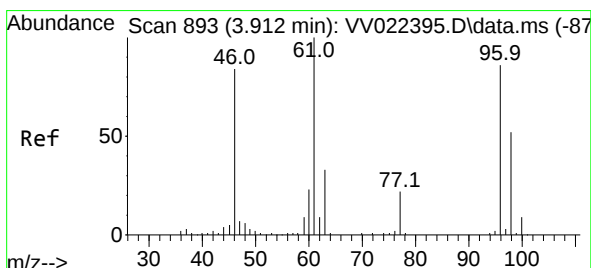
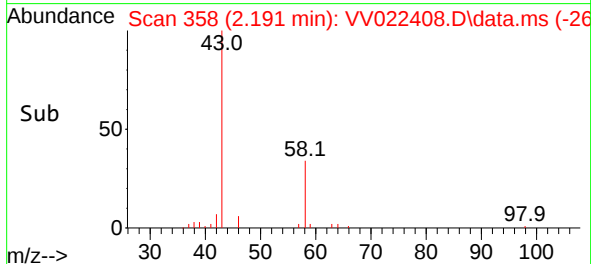
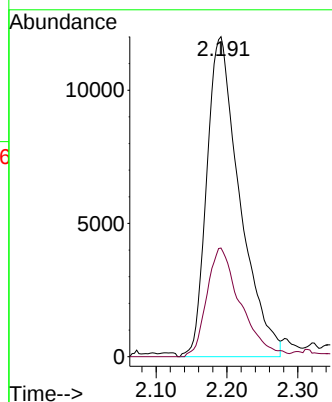
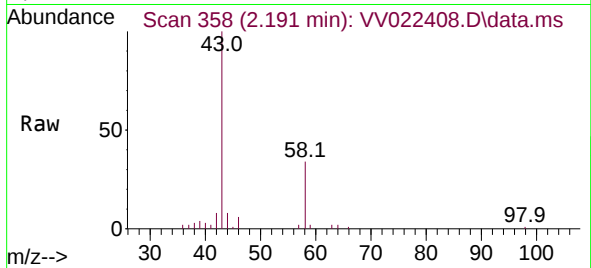




#13
Acetone
Concen: 35.054 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.003 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

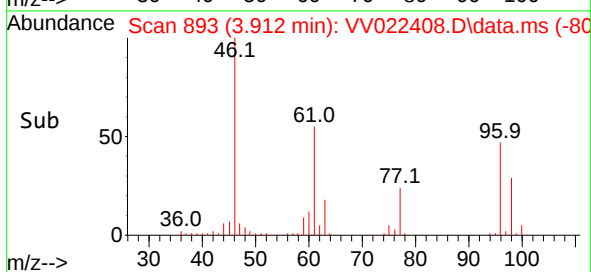
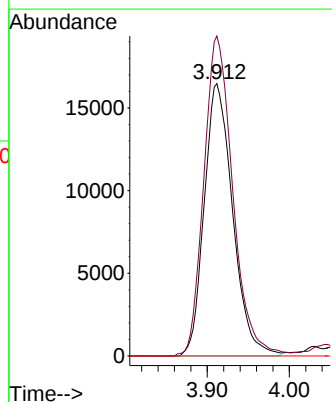
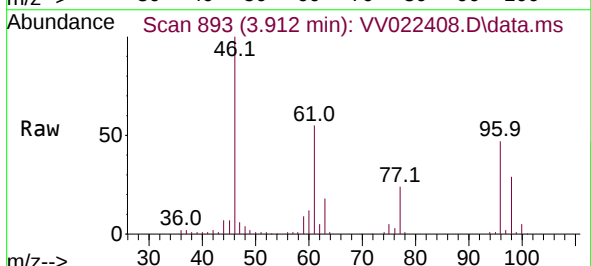
Instrument :
MSVOA_V
ClientSampled :
F4A09

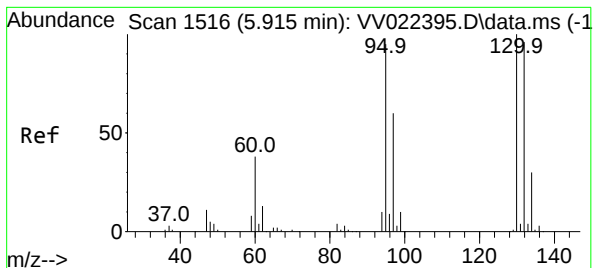
Tgt Ion: 43 Resp: 38820
Ion Ratio Lower Upper
43 100
58 34.2 0.0 67.2



#20
cis-1,2-Dichloroethene
Concen: 20.854 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

Tgt Ion: 96 Resp: 39693
Ion Ratio Lower Upper
96 100
61 117.5 84.6 157.0
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 13.610 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VV022408.D

Acq: 30 Sep 2021 03:45

Tgt Ion: 95 Resp: 25442

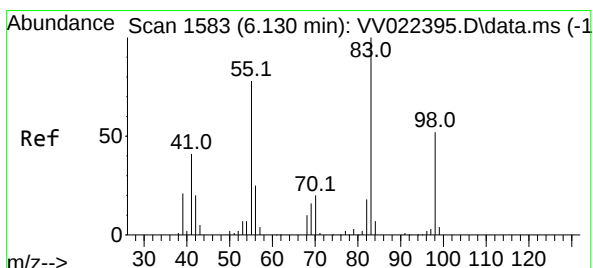
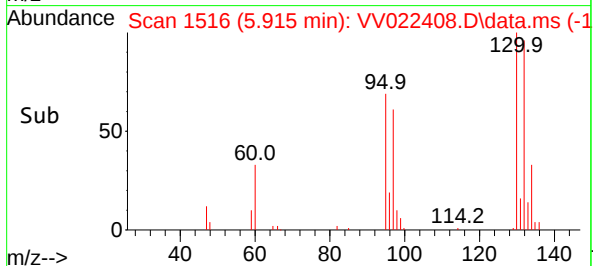
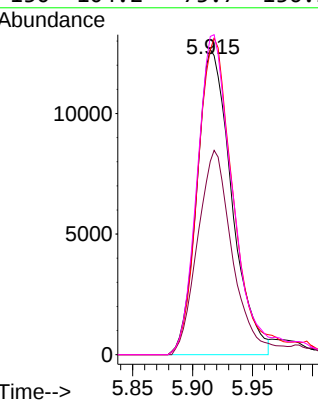
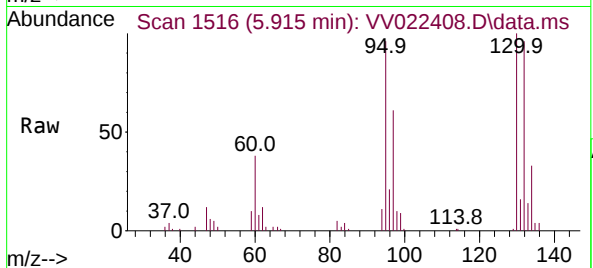
Ion Ratio Lower Upper

95 100

97 63.3 45.2 84.0

132 99.9 71.0 131.8

130 104.2 73.7 136.9



#35

Methylcyclohexane

Concen: 9.275 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV022408.D

Acq: 30 Sep 2021 03:45

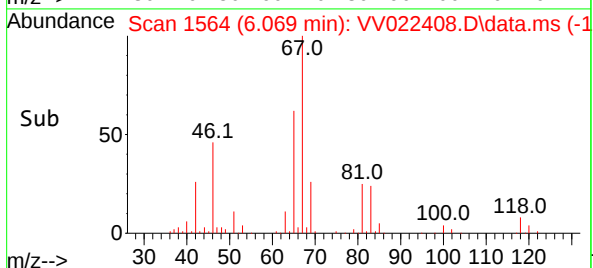
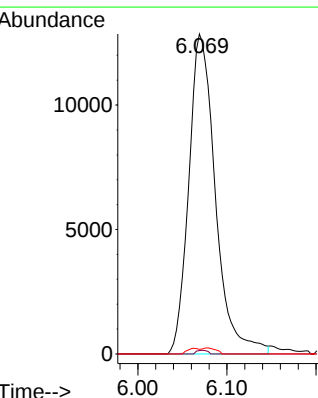
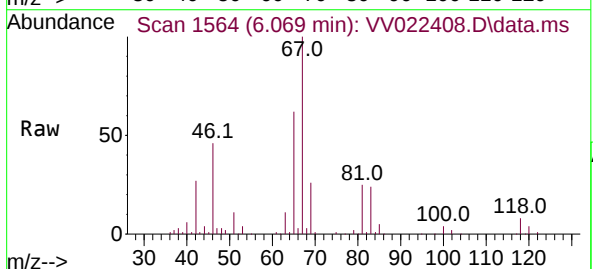
Tgt Ion: 83 Resp: 26710

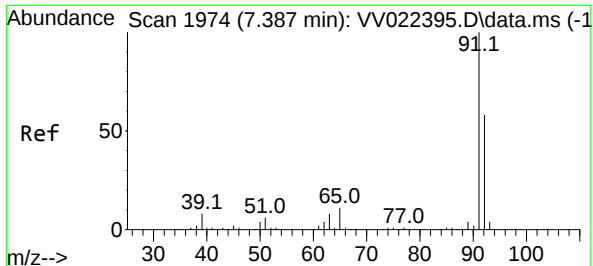
Ion Ratio Lower Upper

83 100

55 0.5 58.6 87.8#

98 1.0 39.2 58.8#





#42

Toluene

Concen: 1.875 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV022408.D

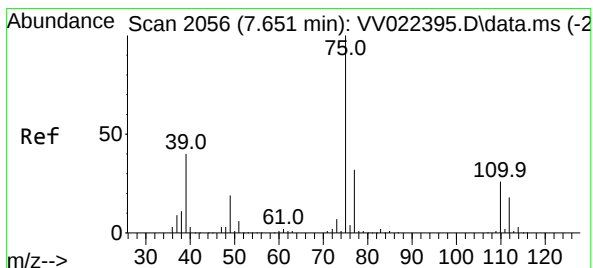
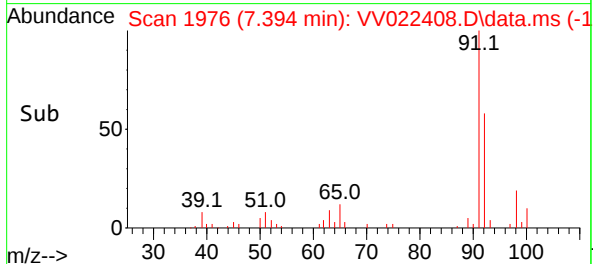
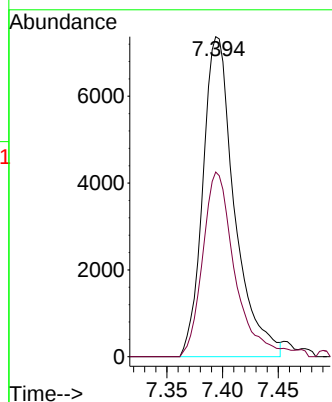
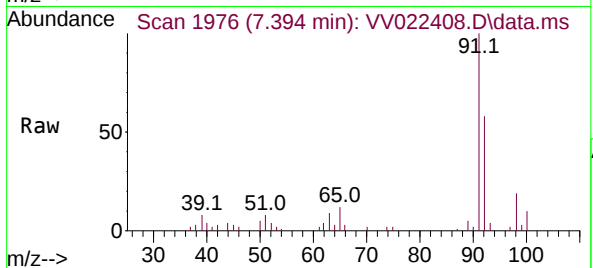
Acq: 30 Sep 2021 03:45

Tgt Ion: 91 Resp: 14550

Ion Ratio Lower Upper

91 100

92 57.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.723 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.026 min

Lab File: VV022408.D

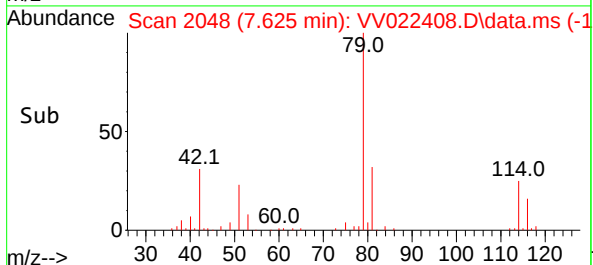
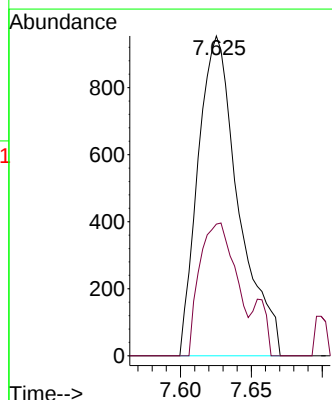
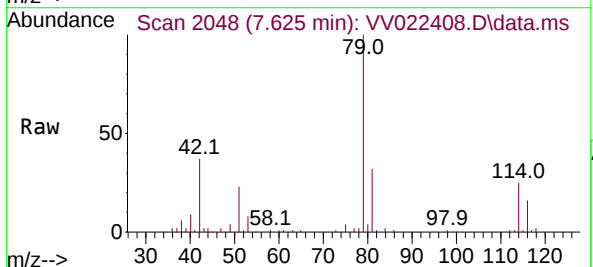
Acq: 30 Sep 2021 03:45

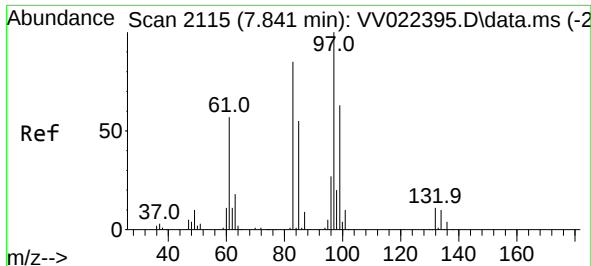
Tgt Ion: 75 Resp: 1895

Ion Ratio Lower Upper

75 100

77 41.2 22.3 41.3



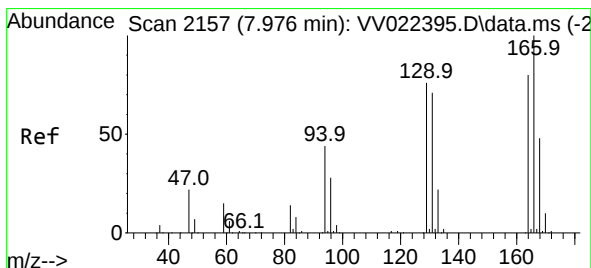
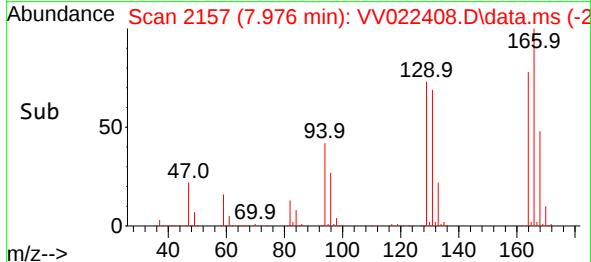
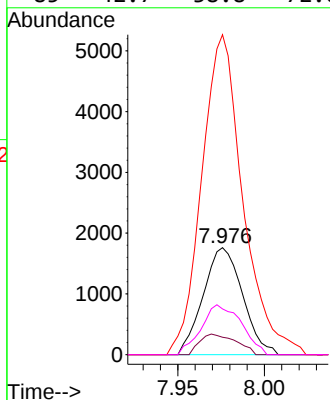
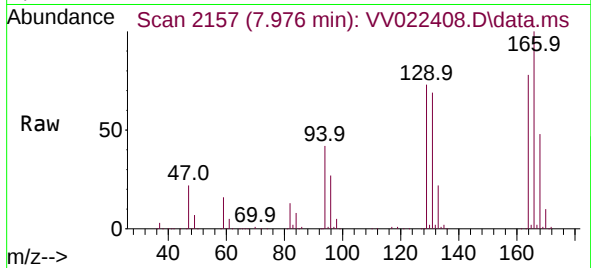


#45
1,1,2-Trichloroethane
Concen: 1.465 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.135 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

Instrument :
MSVOA_V
ClientSampleId :
F4A09

Tgt Ion: 97 Resp: 2781

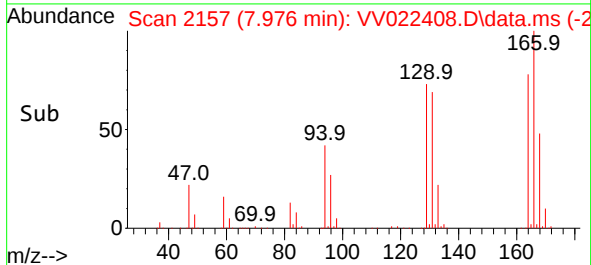
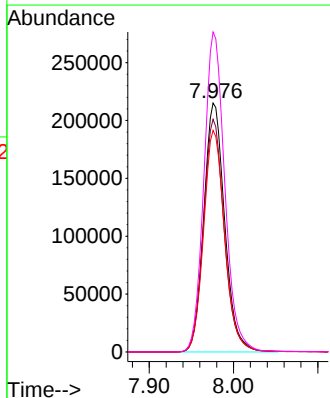
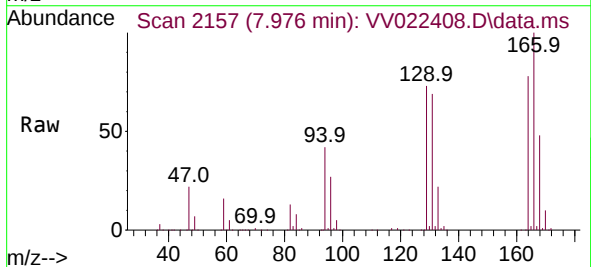
Ion	Ratio	Lower	Upper
97	100		
99	16.3	44.6	82.8#
83	298.9	59.8	111.1#
85	42.7	38.8	72.0

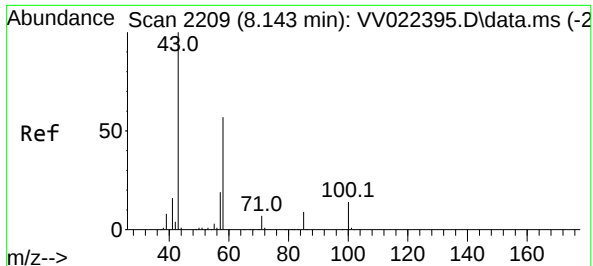


#46
Tetrachloroethene
Concen: 242.051 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

Tgt Ion: 164 Resp: 372572

Ion	Ratio	Lower	Upper
164	100		
129	93.5	66.4	123.4
131	89.0	63.6	118.0
166	128.5	91.6	170.0

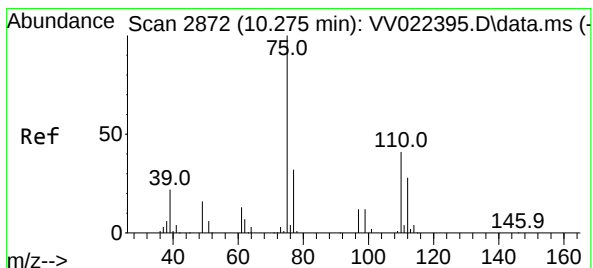
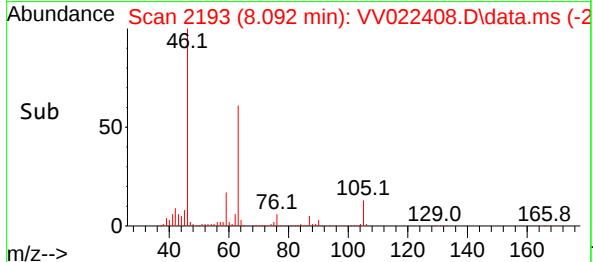
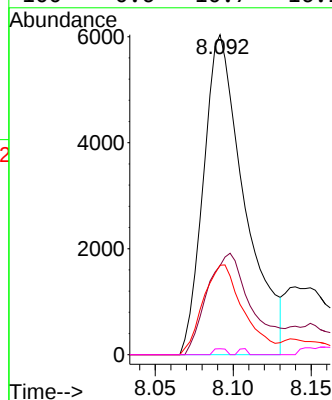
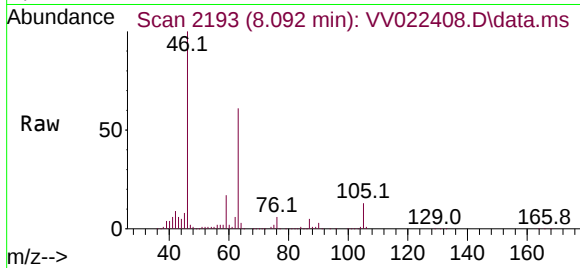




#48
2-Hexanone
Concen: 5.519 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.051 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

Instrument :
MSVOA_V
ClientSampled :
F4A09

Tgt Ion: 43	Resp: 11003
Ion Ratio	Lower Upper
43 100	
58 35.2	45.4 68.2#
57 27.8	15.0 22.4#
100 0.6	10.7 16.1#



#61
1,2,3-Trichloropropane
Concen: 6.101 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022408.D
Acq: 30 Sep 2021 03:45

Tgt Ion: 75	Resp: 11750
Ion Ratio	Lower Upper
75 100	
77 33.1	25.4 38.0
110 2.6	32.6 48.8#

