

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092921\
 Data File : VV022393.D
 Acq On : 29 Sep 2021 21:20
 Operator : SY/MD
 Sample : M3978-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A40

Quant Time: Sep 30 05:31:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 30 05:14:53 2021
 Response via : Initial Calibration

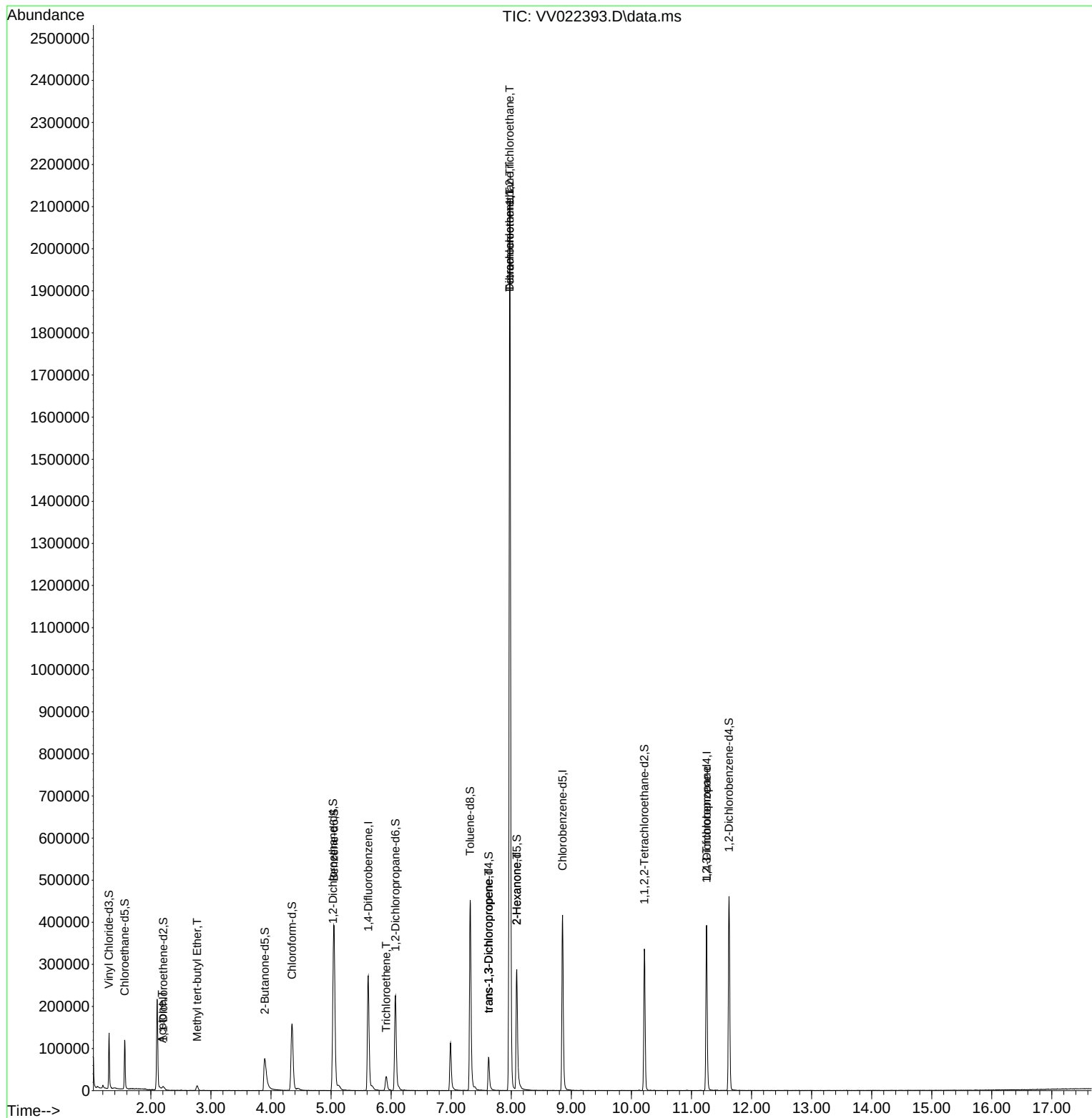
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	244521	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	241387	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	104682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	80452	38.769	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	77.540%	
7) Chloroethane-d5	1.564	69	69461	42.320	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	84.640%	
11) 1,1-Dichloroethene-d2	2.204	63	5236	1.451	ug/L	0.10
Spiked Amount	50.000	Range 60 - 125	Recovery	=	2.900%#	
21) 2-Butanone-d5	3.896	46	149881	102.343	ug/L	0.03
Spiked Amount	100.000	Range 40 - 130	Recovery	=	102.340%	
24) Chloroform-d	4.349	84	166986	44.564	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.120%	
26) 1,2-Dichloroethane-d4	5.034	65	104155	45.327	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.660%	
32) Benzene-d6	5.050	84	341839	45.015	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.040%	
36) 1,2-Dichloropropane-d6	6.072	67	117263	48.268	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	96.540%	
41) Toluene-d8	7.317	98	308868	44.438	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	88.880%	
43) trans-1,3-Dichloroprop...	7.625	79	47718	43.014	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.020%	
47) 2-Hexanone-d5	8.092	63	105898	107.276	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	107.280%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	162474	46.072	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	92.140%	
66) 1,2-Dichlorobenzene-d4	11.625	152	124940	53.674	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.340%	
Target Compounds						
13) Acetone	2.188	43	2743	2.386	ug/L	64
18) Methyl tert-butyl Ether	2.770	73	10177	1.845	ug/L	97
34) Trichloroethene	5.918	95	11555	6.099	ug/L	98
44) trans-1,3-Dichloropropene	7.622	75	2233	0.840	ug/L	92
45) 1,1,2-Trichloroethane	7.973	97	4158	2.161	ug/L #	1
46) Tetrachloroethene	7.976	164	488366	313.089	ug/L	98
48) 2-Hexanone	8.092	43	11308	5.597	ug/L #	67
49) Dibromochloromethane	7.976	129	437553	214.909	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	11967	6.127	ug/L #	64

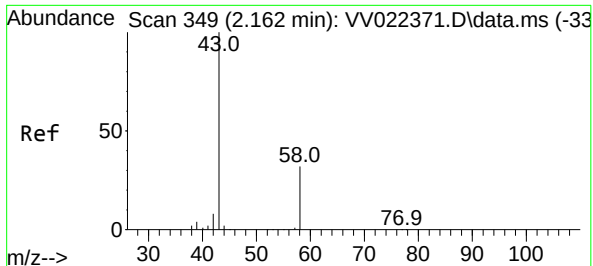
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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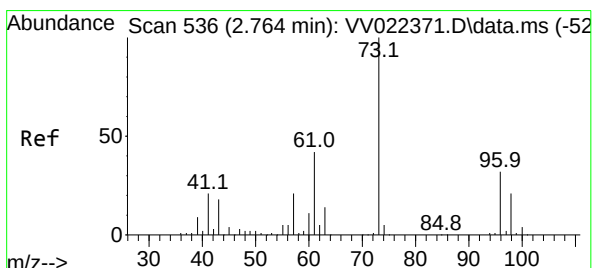
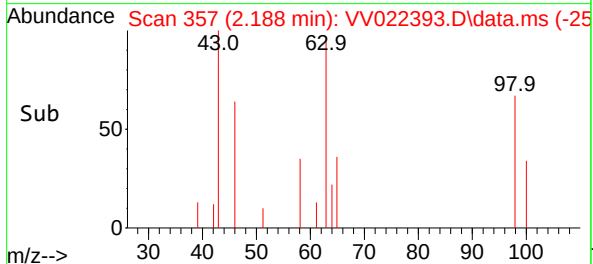
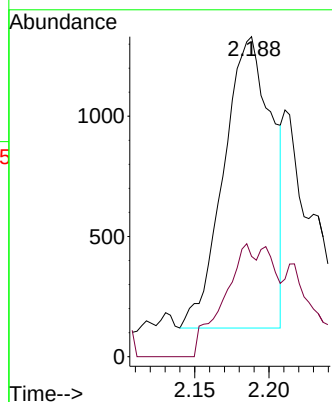
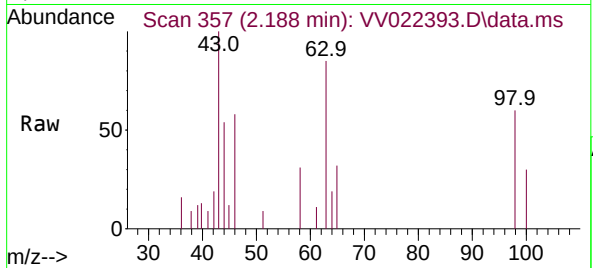




#13
Acetone
Concen: 2.386 ug/L
RT: 2.188 min Scan# 357
Delta R.T. 0.026 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

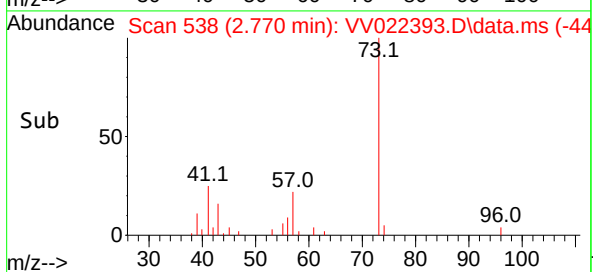
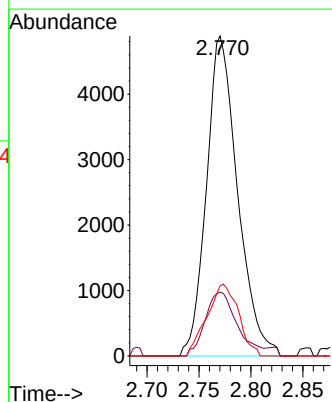
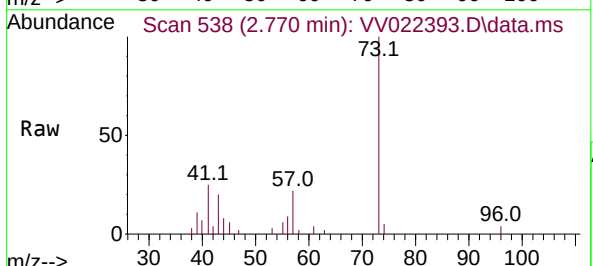
Instrument :
MSVOA_V
ClientSampled :
F4A40

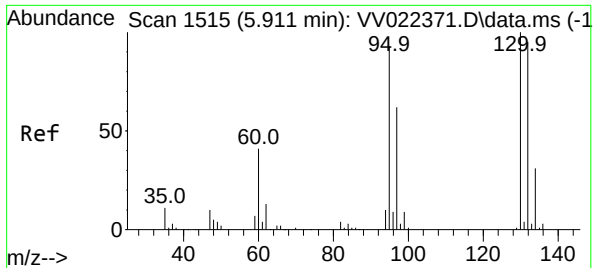
Tgt Ion: 43 Resp: 2743
Ion Ratio Lower Upper
43 100
58 13.3 0.0 67.2



#18
Methyl tert-butyl Ether
Concen: 1.845 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

Tgt Ion: 73 Resp: 10177
Ion Ratio Lower Upper
73 100
43 20.4 14.6 21.8
57 22.7 17.6 26.4

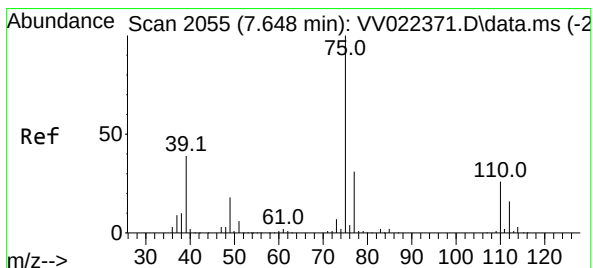
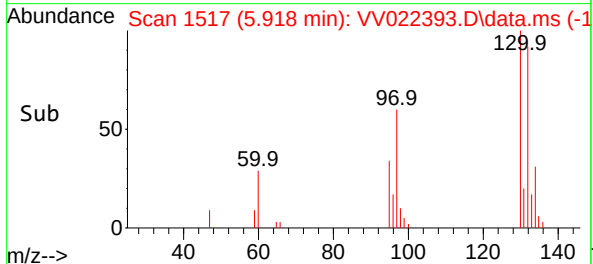
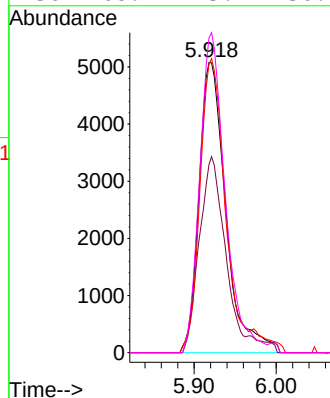
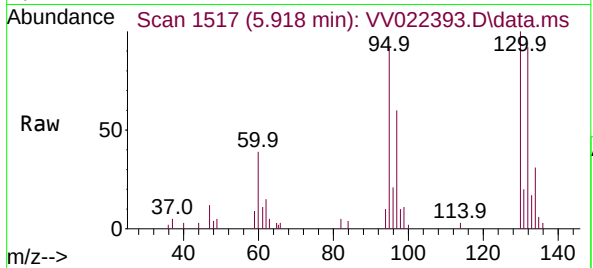




#34
Trichloroethene
Concen: 6.099 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.007 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

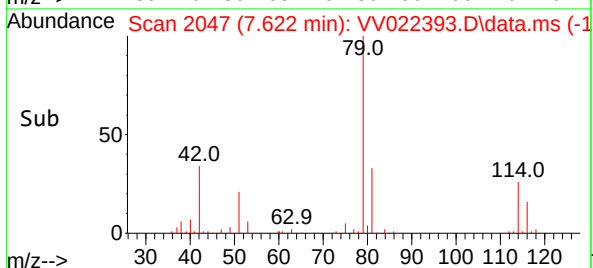
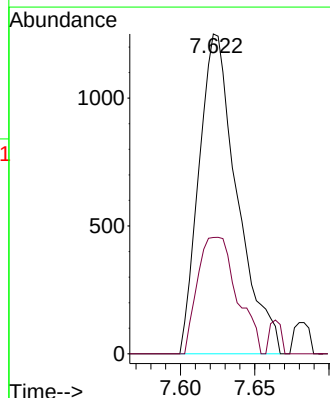
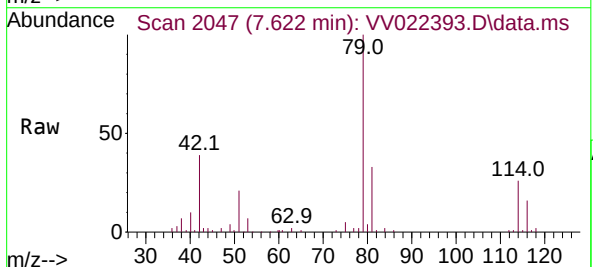
Instrument :
MSVOA_V
ClientSampled :
F4A40

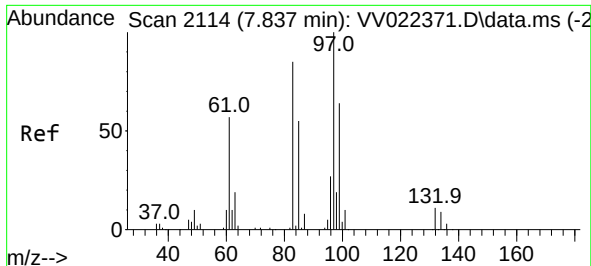
Tgt Ion:	95	Resp:	11555
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	99.4	71.0	131.8
130	108.4	73.7	136.9



#44
trans-1,3-Dichloropropene
Concen: 0.840 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.026 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

Tgt Ion:	75	Resp:	2233
Ion	Ratio	Lower	Upper
75	100		
77	36.4	22.3	41.3





#45

1,1,2-Trichloroethane

Concen: 2.161 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.135 min

Lab File: VV022393.D

Acq: 29 Sep 2021 21:20

Tgt Ion: 97 Resp: 4158

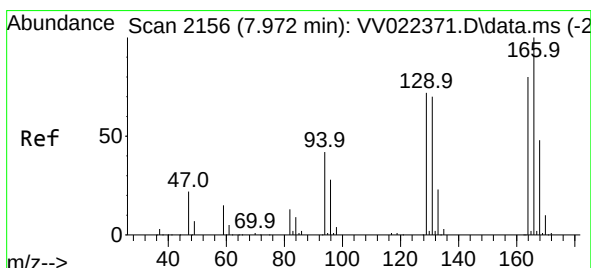
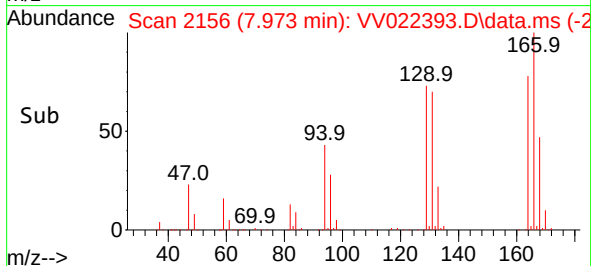
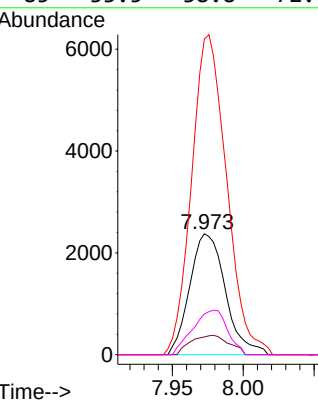
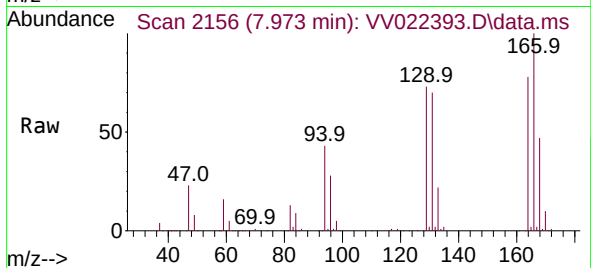
Ion Ratio Lower Upper

97 100

99 14.6 44.6 82.8#

83 260.8 59.8 111.1#

85 33.5 38.8 72.0#



#46

Tetrachloroethene

Concen: 313.089 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV022393.D

Acq: 29 Sep 2021 21:20

Tgt Ion:164 Resp: 488366

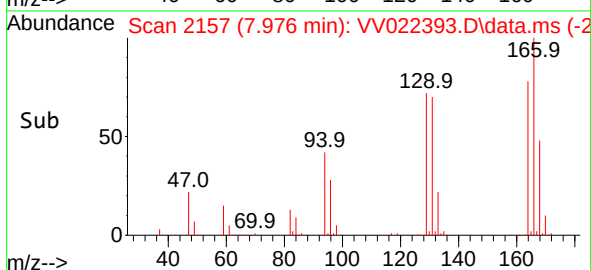
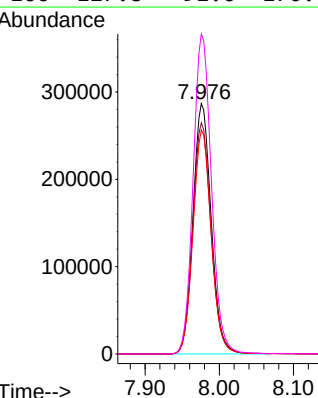
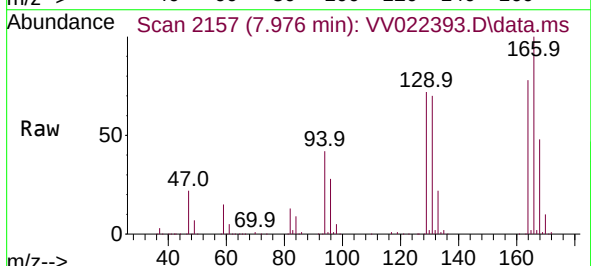
Ion Ratio Lower Upper

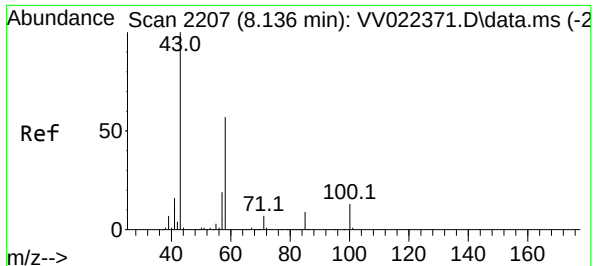
164 100

129 92.4 66.4 123.4

131 89.5 63.6 118.0

166 127.8 91.6 170.0

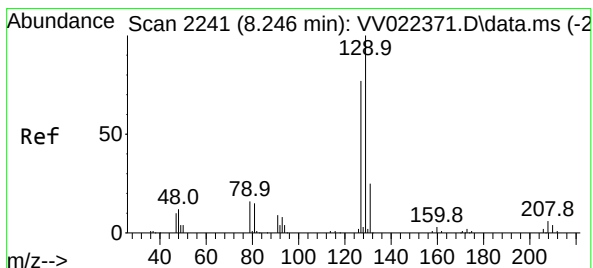
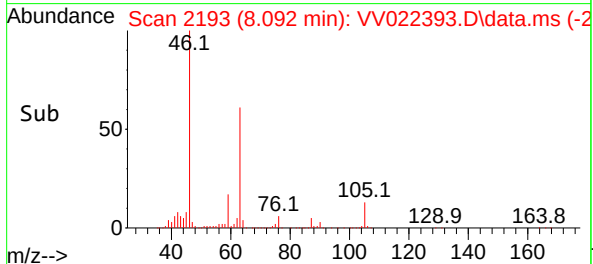
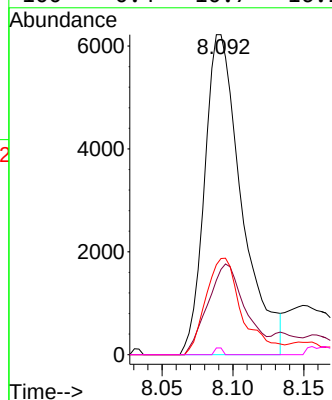
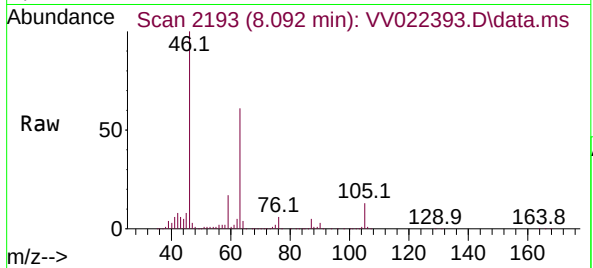




#48
2-Hexanone
Concen: 5.597 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.045 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

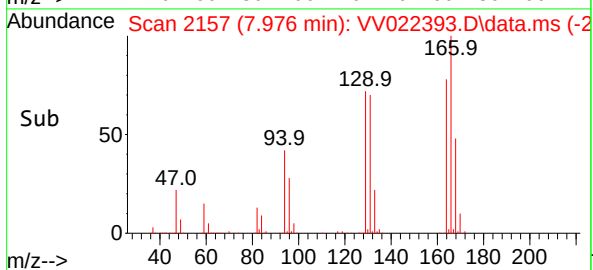
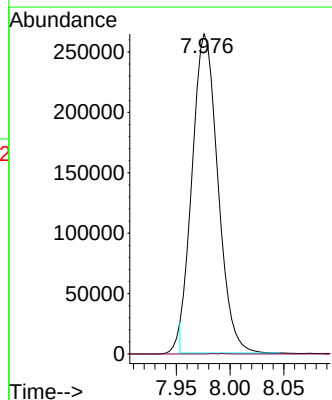
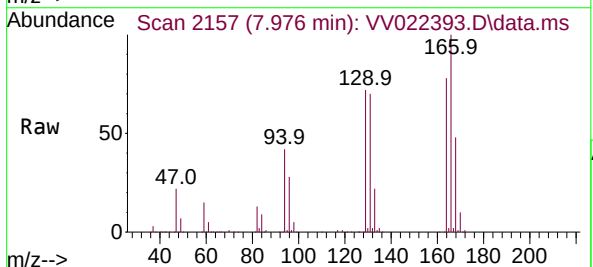
Instrument :
MSVOA_V
ClientSampled :
F4A40

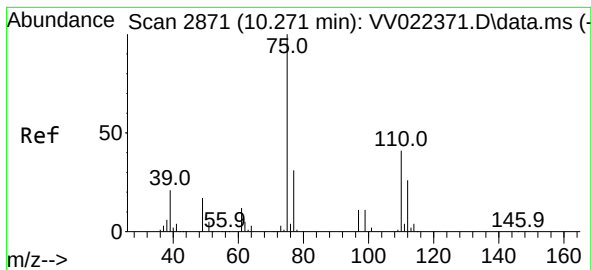
Tgt Ion: 43	Resp: 11308
Ion Ratio	Lower Upper
43 100	
58 28.6	45.4 68.2#
57 26.6	15.0 22.4#
100 0.4	10.7 16.1#



#49
Dibromochloromethane
Concen: 214.909 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022393.D
Acq: 29 Sep 2021 21:20

Tgt Ion: 129	Resp: 437553
Ion Ratio	Lower Upper
129 100	
127 0.0	54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 6.127 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.978 min
 Lab File: VV022393.D
 Acq: 29 Sep 2021 21:20

Instrument :
 MSVOA_V
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Tgt Ion:	75	Resp:	11967
Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.4	38.0
110	2.7	32.6	48.8#

