

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018844.D
 Acq On : 10 Oct 2020 19:46
 Operator : SY/MD
 Sample : L4289-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH2

Quant Time: Oct 12 06:27:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	305068	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	296644	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84013	30.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.62%
7) Chloroethane-d5	1.58	69	78619	35.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.48%
11) 1,1-Dichloroethene-d2	2.12	63	132360	24.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.54%#
21) 2-Butanone-d5	3.91	46	197507	116.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.04%
24) Chloroform-d	4.38	84	197116	40.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.62%
26) 1,2-Dichloroethane-d4	5.05	65	144429	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.14%
32) Benzene-d6	5.07	84	370940	38.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.72%
36) 1,2-Dichloropropane-d6	6.09	67	126485	40.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.26%
41) Toluene-d8	7.34	98	294724	34.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.56%#
43) trans-1,3-Dichloropropene-	7.64	79	52128	34.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.52%
47) 2-Hexanone-d5	8.11	63	100783	92.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169616	47.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	137629	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%

Target Compounds

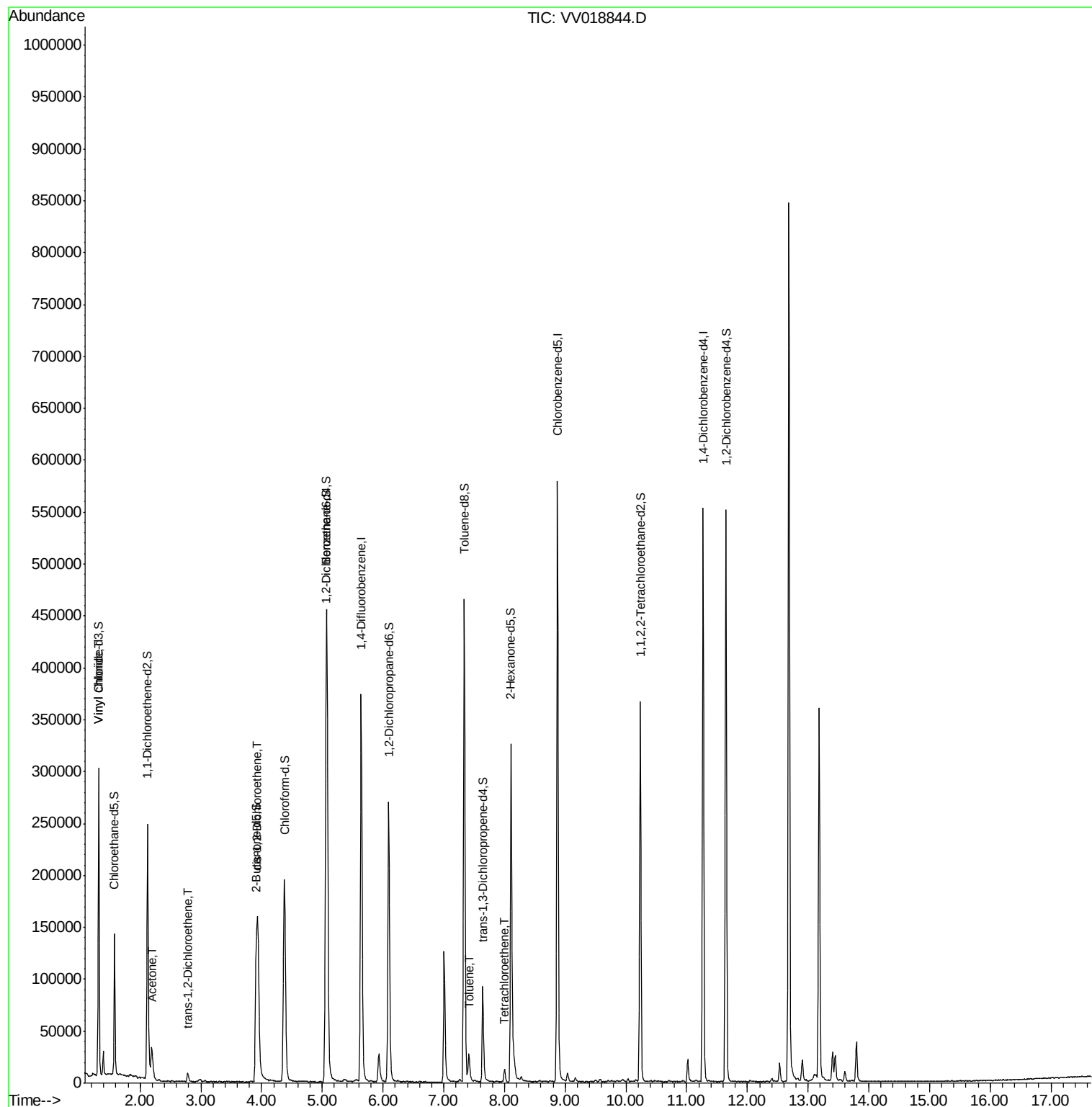
					Ovalue
5) Vinyl chloride	1.32	62	103728	38.509	ug/L 100
13) Acetone	2.19	43	41339	29.142	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	2534	1.137	ug/L 90
20) cis-1,2-Dichloroethene	3.94	96	62377	26.483	ug/L 99
42) Toluene	7.41	91	18939	1.959	ug/L 88
46) Tetrachloroethene	8.00	164	3020	1.521	ug/L 98

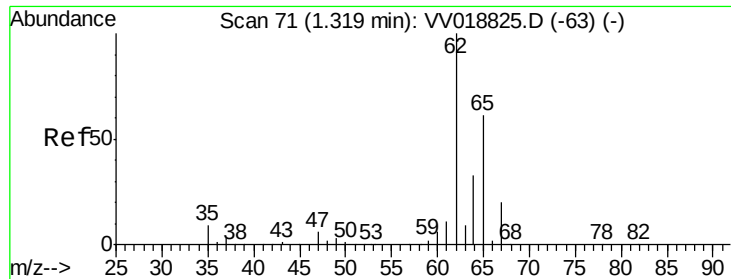
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 38.509 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018844.D

Acq: 10 Oct 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

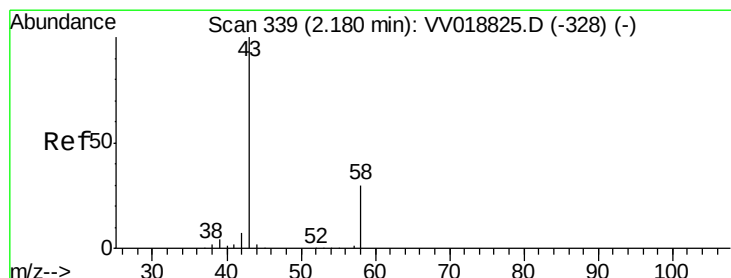
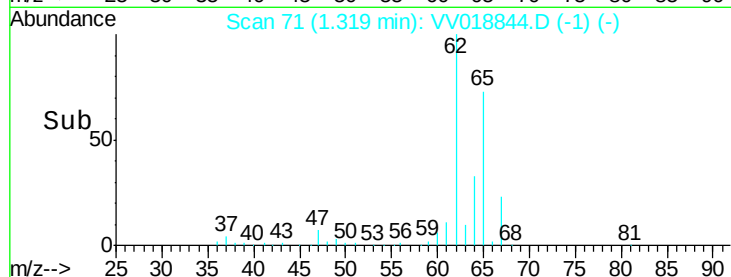
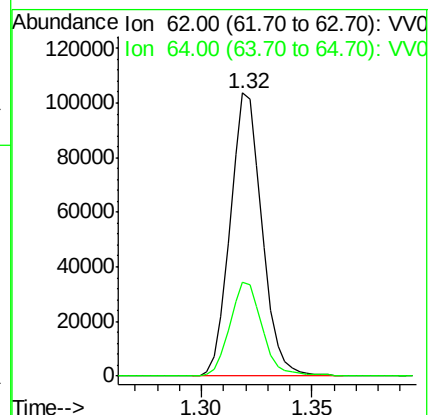
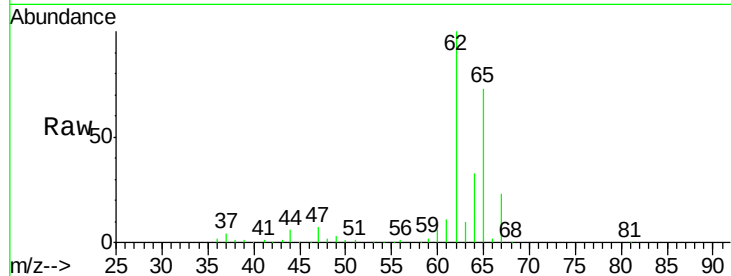
C0AH2

Tot Ion: 62 Resp: 103728

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#13

Acetone

Concen: 29.142 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV018844.D

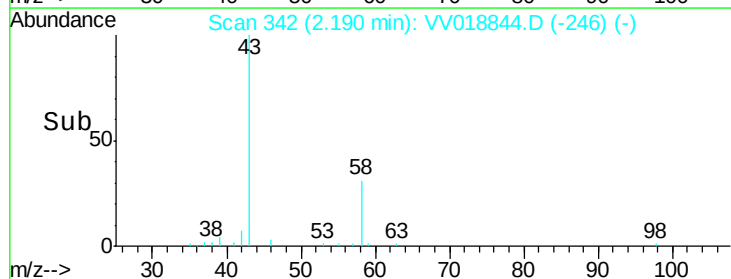
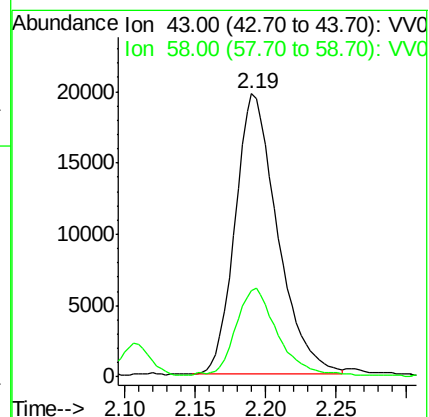
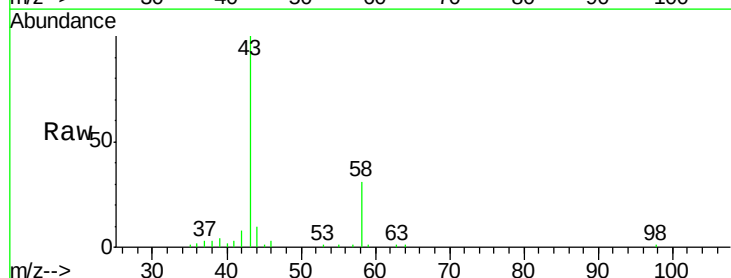
Acq: 10 Oct 2020 19:46

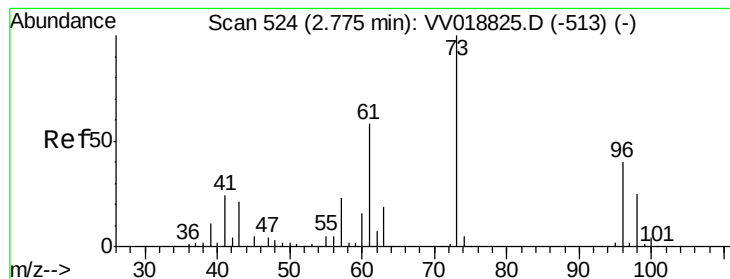
Tgt Ion: 43 Resp: 41339

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.0





#17

trans-1,2-Dichloroethene

Concen: 1.137 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018844.D

Acq: 10 Oct 2020 19:46

Instrument :

MSVOA_V

ClientSampleId :

C0AH2

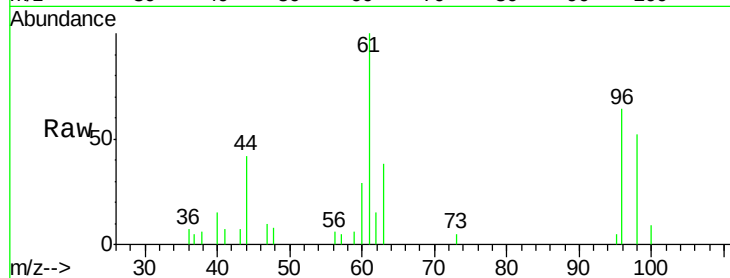
Tot Ion: 96 Resp: 2534

Ion Ratio Lower Upper

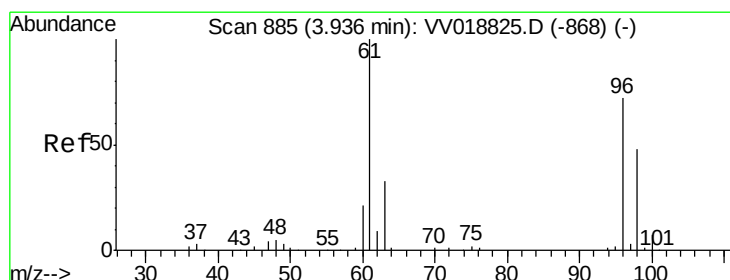
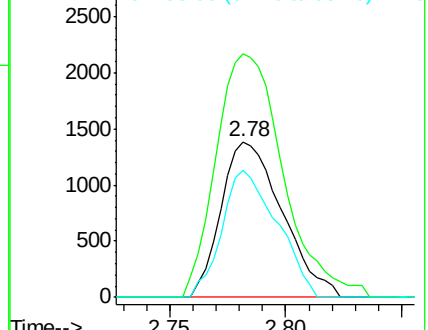
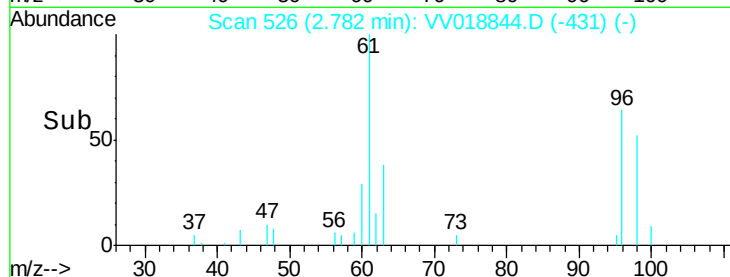
96 100

61 156.3 105.7 196.3

98 81.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018844.D (-431) (-)



#20

cis-1,2-Dichloroethene

Concen: 26.483 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018844.D

Acq: 10 Oct 2020 19:46

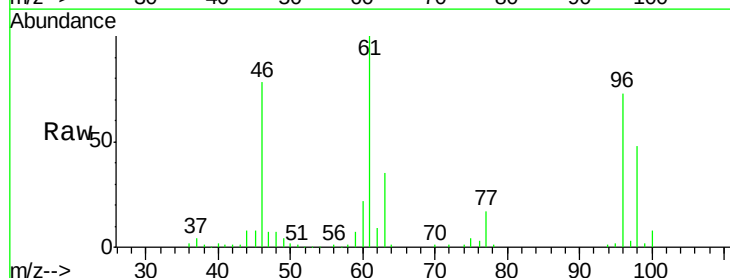
Tgt Ion: 96 Resp: 62377

Ion Ratio Lower Upper

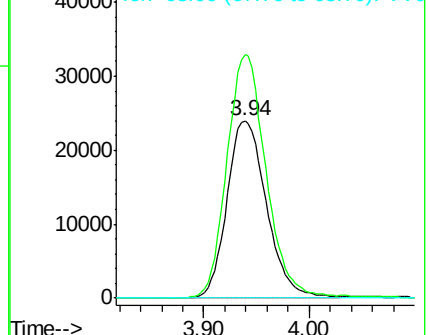
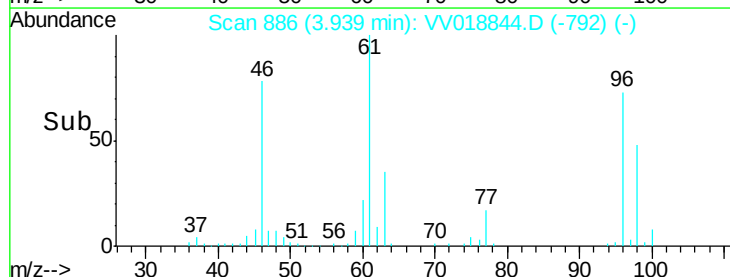
96 100

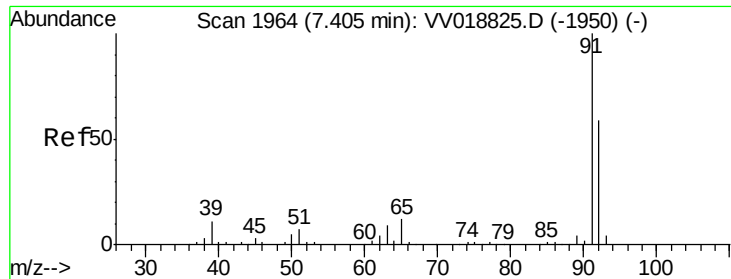
61 137.3 97.3 180.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018844.D (-792) (-)





#42

Toluene

Concen: 1.959 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018844.D

Acq: 10 Oct 2020 19:46

Instrument :

MSVOA_V

ClientSampled :

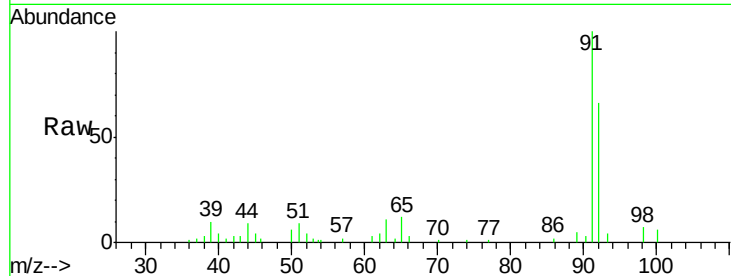
C0AH2

Tot Ion: 91 Resp: 18939

Ion Ratio Lower Upper

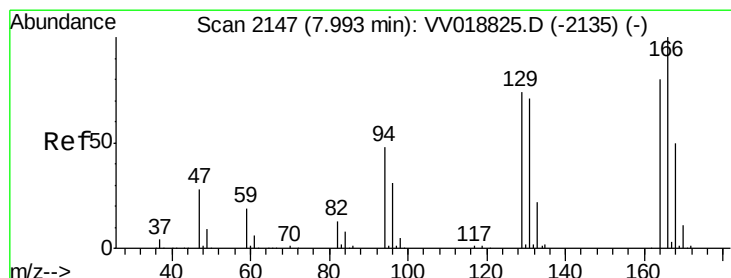
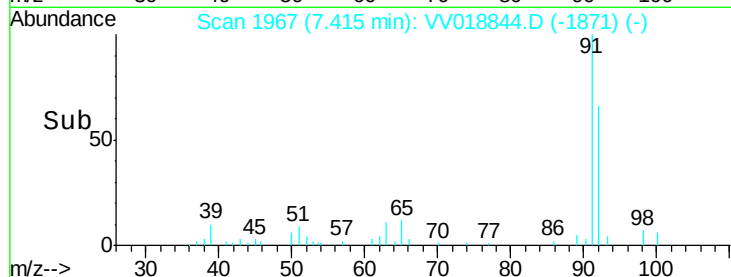
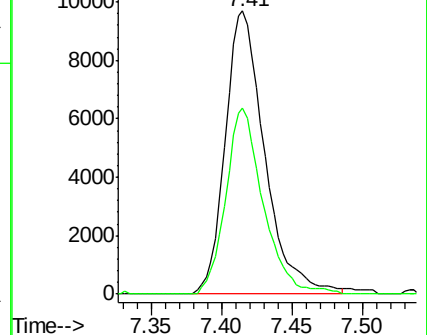
91 100

92 65.9 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018825.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV018825.D (-1950) (-)



#46

Tetrachloroethene

Concen: 1.521 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018844.D

Acq: 10 Oct 2020 19:46

Tgt Ion: 164 Resp: 3020

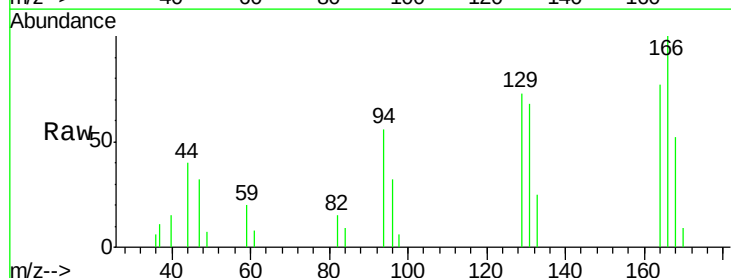
Ion Ratio Lower Upper

164 100

129 94.0 64.6 120.0

131 88.3 63.6 118.0

166 129.1 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018825.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018825.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018825.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018825.D (-2135) (-)

