

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017976.D
 Acq On : 13 Aug 2020 17:50
 Operator : SY/MD
 Sample : L3665-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M29

Quant Time: Aug 14 04:17:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	202817	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	201212	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	93553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	66301	42.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.68%
7) Chloroethane-d5	1.58	69	61147	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	105567	35.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.32%
21) 2-Butanone-d5	3.91	46	104971	103.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.57%
24) Chloroform-d	4.38	84	140672	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
26) 1,2-Dichloroethane-d4	5.06	65	97202	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
32) Benzene-d6	5.08	84	279943	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.96%
36) 1,2-Dichloropropane-d6	6.10	67	92683	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.24%
41) Toluene-d8	7.34	98	244357	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.64	79	39477	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.11	63	49666	85.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	112147	47.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	104501	56.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.52%

Target Compounds

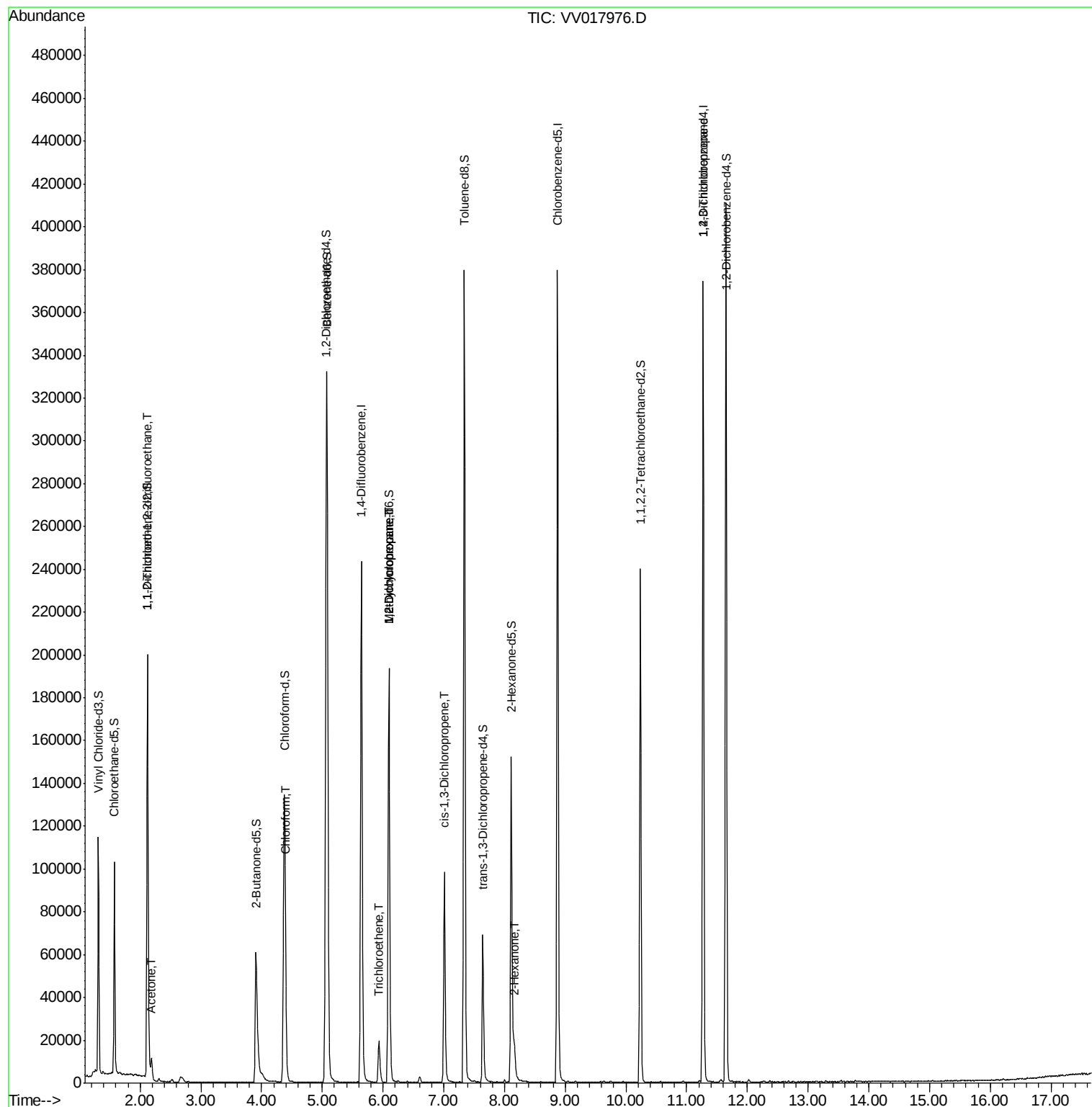
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	952	0.662	ug/L #	20
13) Acetone	2.18	43	11506	10.991	ug/L	100
25) Chloroform	4.40	83	2400	0.837	ug/L	99
34) Trichloroethene	5.94	95	2090	1.270	ug/L	83
35) Methylcyclohexane	6.10	83	22293	9.111	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	10280	6.055	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2302	0.957	ug/L #	70
48) 2-Hexanone	8.16	43	11975	6.691	ug/L #	80
59) 1,2,3-Trichloropropane	11.27	75	11425	5.449	ug/L	95

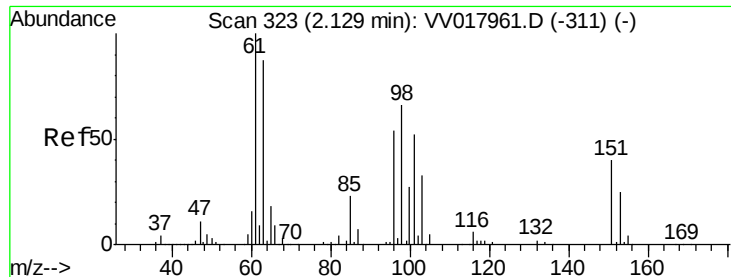
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.662 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017976.D

Acq: 13 Aug 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

F4M29

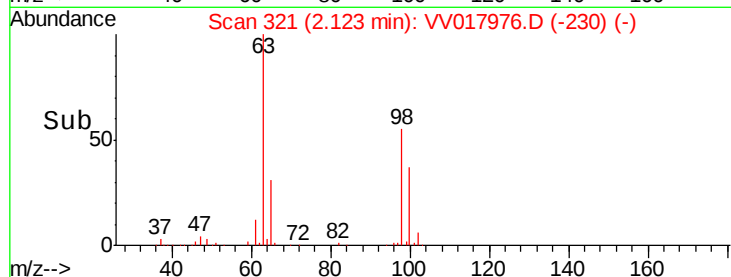
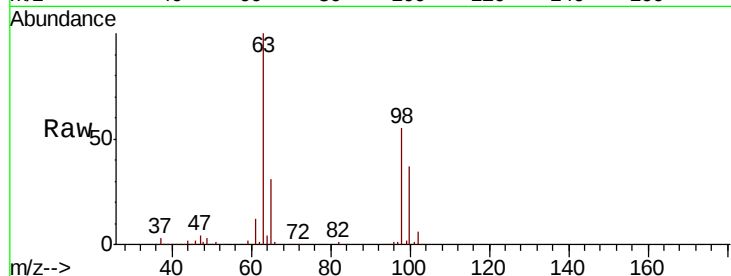
Tot Ion:101 Resp: 952

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

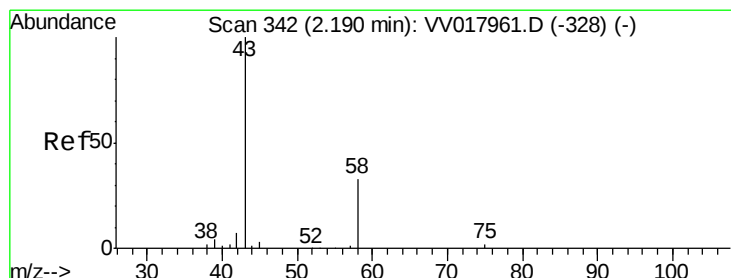
600

400

200

0

Time--> 2.08 2.10 2.12 2.14 2.16



#13

Acetone

Concen: 10.991 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV017976.D

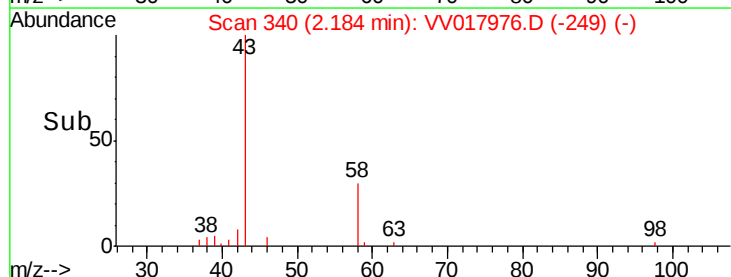
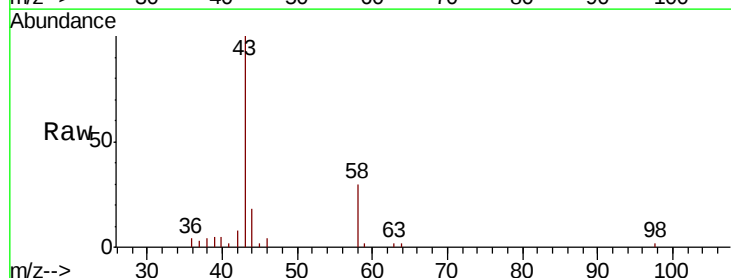
Acq: 13 Aug 2020 17:50

Tgt Ion: 43 Resp: 11506

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

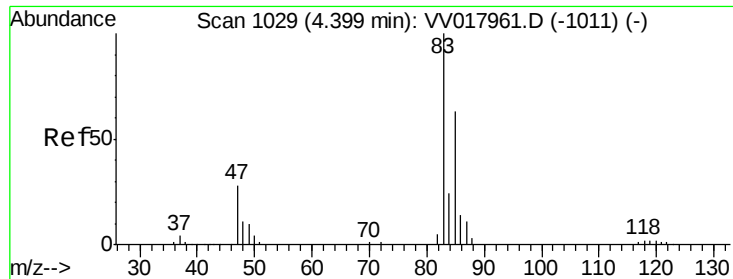
6000

4000

2000

0

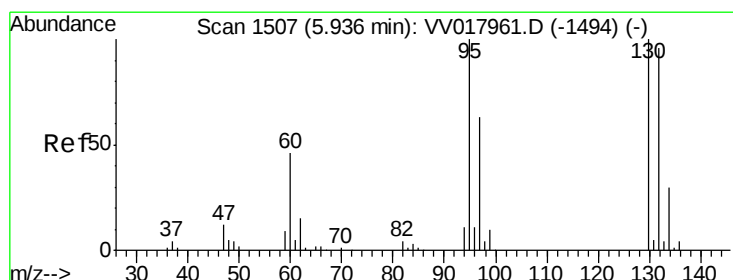
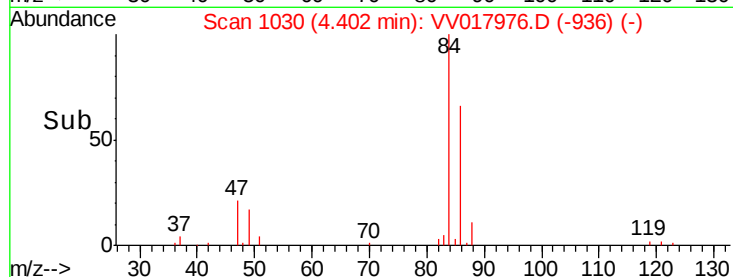
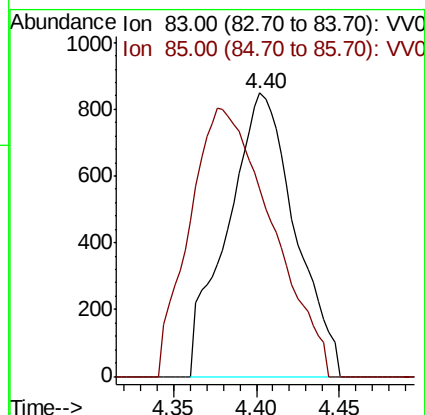
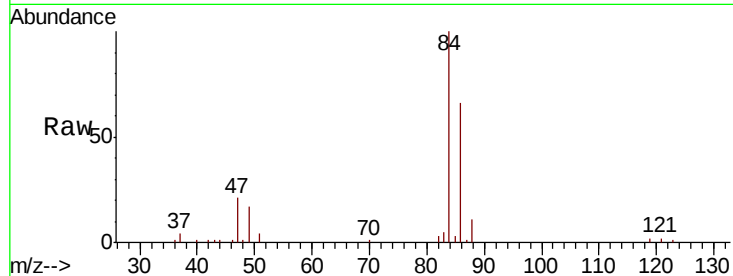
Time--> 2.10 2.15 2.20 2.25 2.30



#25
Chloroform
Concen: 0.837 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017976.D
Acq: 13 Aug 2020 17:50

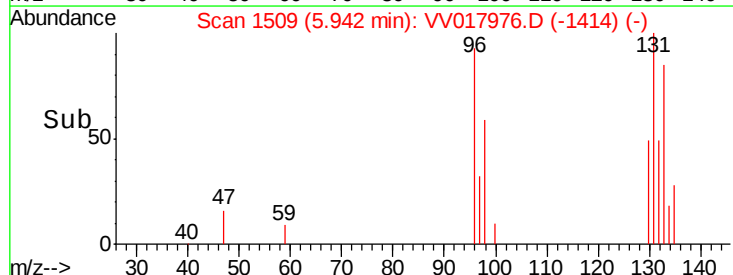
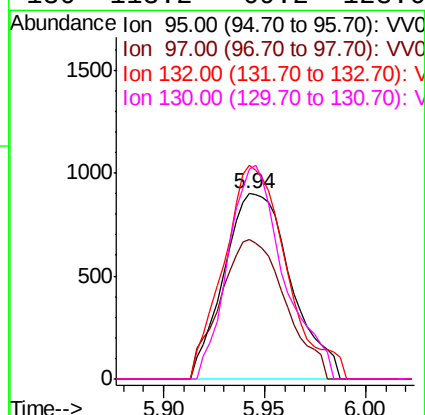
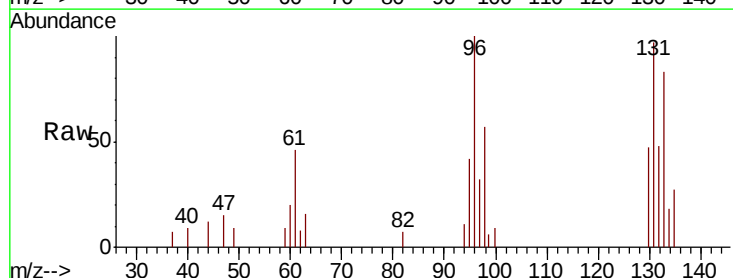
Instrument :
MSVOA_V
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F4M29

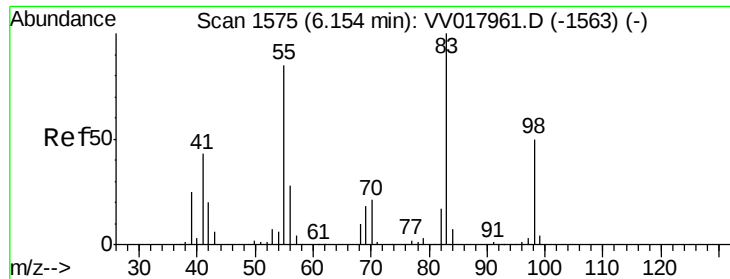
Tot Ion: 83 Resp: 2400
Ion Ratio Lower Upper
83 100
85 66.2 45.5 84.5



#34
Trichloroethene
Concen: 1.270 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017976.D
Acq: 13 Aug 2020 17:50

Tgt Ion: 95 Resp: 2090
Ion Ratio Lower Upper
95 100
97 75.5 46.0 85.4
132 115.4 65.8 122.2
130 113.2 69.2 128.6

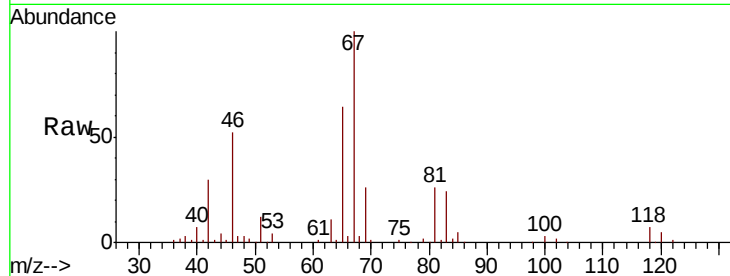




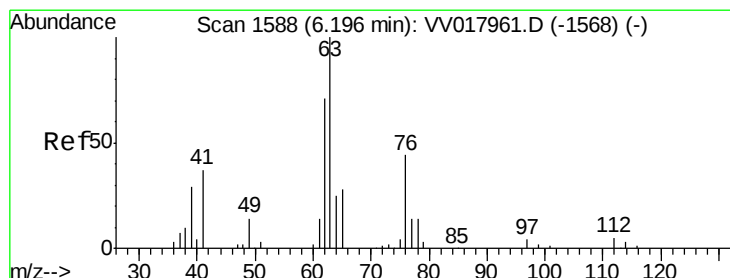
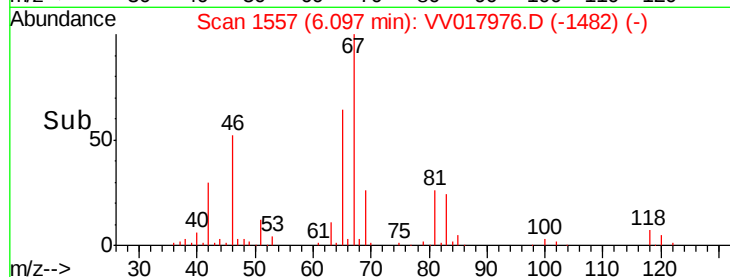
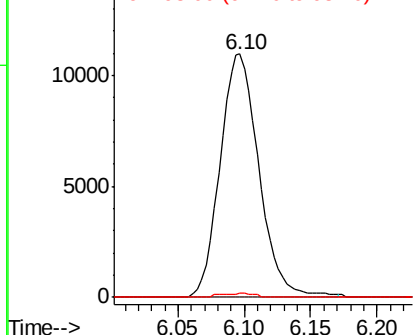
#35
Methvlcvclohexane
Concen: 9.111 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017976.D
Acq: 13 Aug 2020 17:50

Instrument :
MSVOA_V
ClientSampleId :
F4M29

Tot Ion: 83 Resp: 22293
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.3 38.7 58.1#

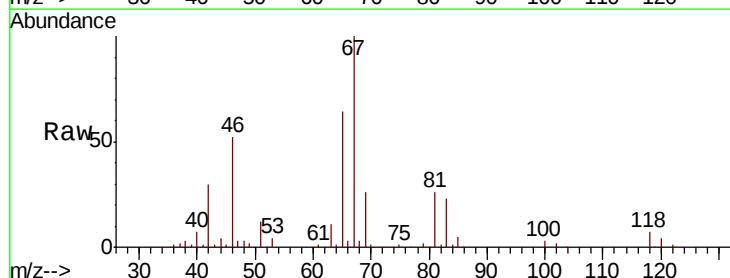


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

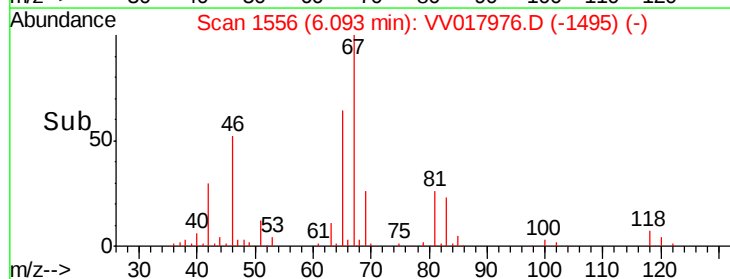
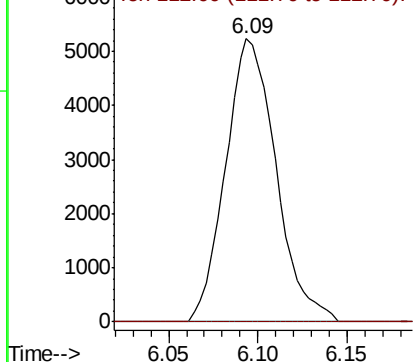


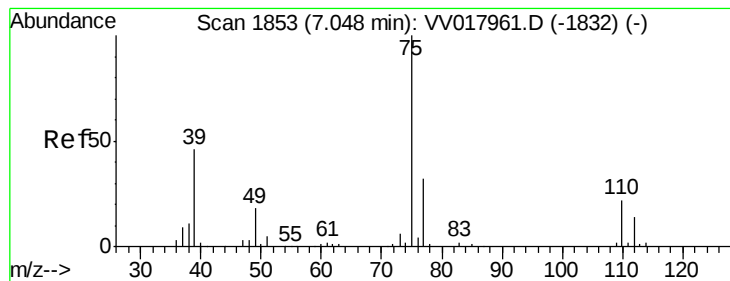
#37
1,2-Dichloropropane
Concen: 6.055 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017976.D
Acq: 13 Aug 2020 17:50

Tgt Ion: 63 Resp: 10280
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V



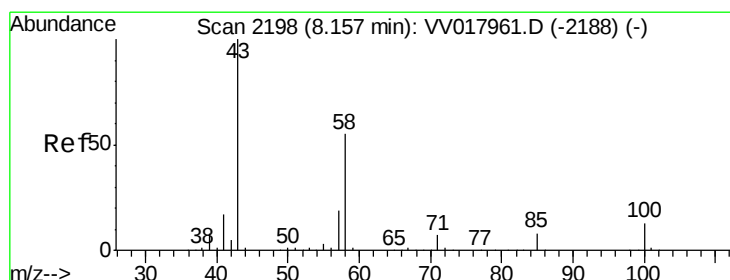
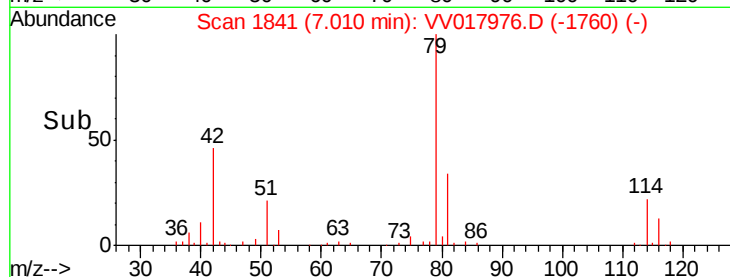
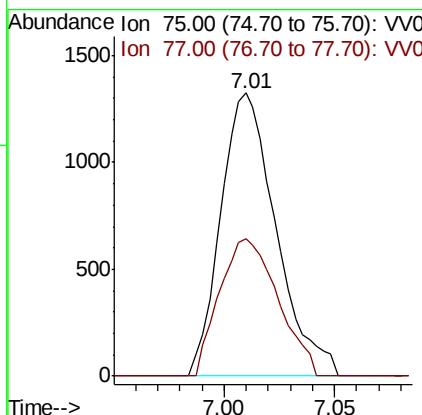
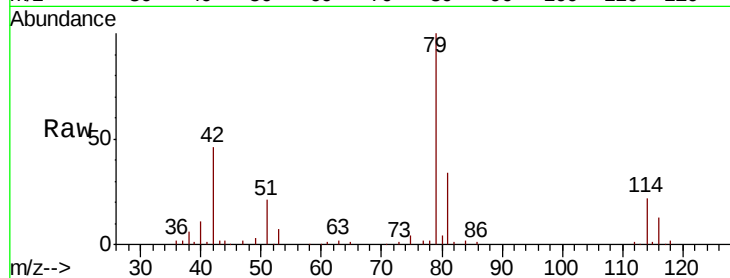


#39

cis-1,3-Dichloropropene
 Concen: 0.957 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017976.D
 Acq: 13 Aug 2020 17:50

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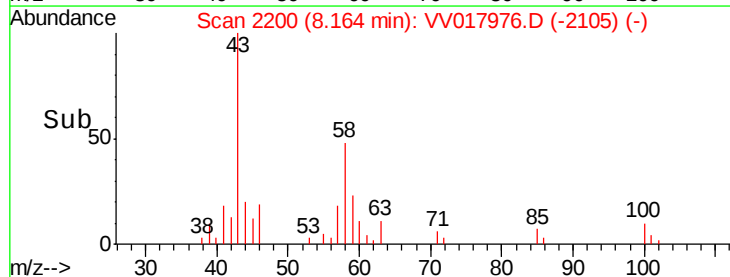
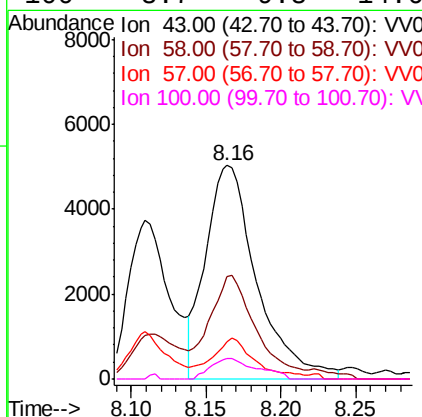
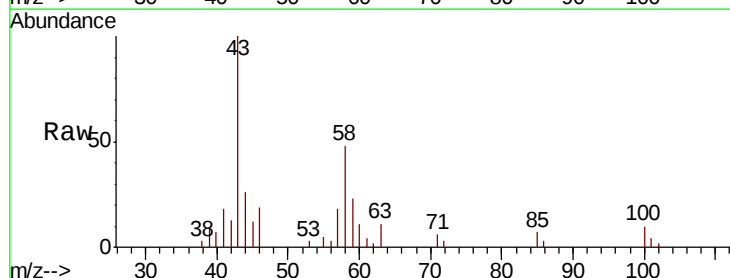
Tot Ion: 75 Resp: 2302
 Ion Ratio Lower Upper
 75 100
 77 48.7 22.3 41.5#

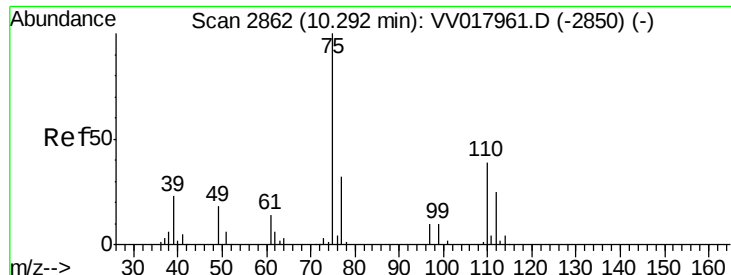


#48

2-Hexanone
 Concen: 6.691 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV017976.D
 Acq: 13 Aug 2020 17:50

Tgt Ion: 43 Resp: 11975
 Ion Ratio Lower Upper
 43 100
 58 38.3 44.4 66.6#
 57 11.7 15.2 22.8#
 100 8.7 9.8 14.6#





#59
 1,2,3-Trichloropropane
 Concen: 5.449 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017976.D
 Acq: 13 Aug 2020 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M29

Tot Ion: 75 Resp: 11425
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.7 38.5

