

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017994.D
 Acq On : 14 Aug 2020 13:53
 Operator : SY/MD
 Sample : L3665-03DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L26DL

Quant Time: Aug 17 01:36:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	251031	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	249455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	117489	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98128	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.46%
7) Chloroethane-d5	1.58	69	81670	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.24%
11) 1,1-Dichloroethene-d2	2.12	63	142229	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.64%
21) 2-Butanone-d5	3.91	46	120848	96.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.33%
24) Chloroform-d	4.38	84	170106	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.06	65	117035	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
32) Benzene-d6	5.08	84	345932	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.09	67	111878	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.34	98	306047	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.64	79	48700	47.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.54%
47) 2-Hexanone-d5	8.11	63	56891	78.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	130480	44.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	123884	53.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.16%

Target Compounds

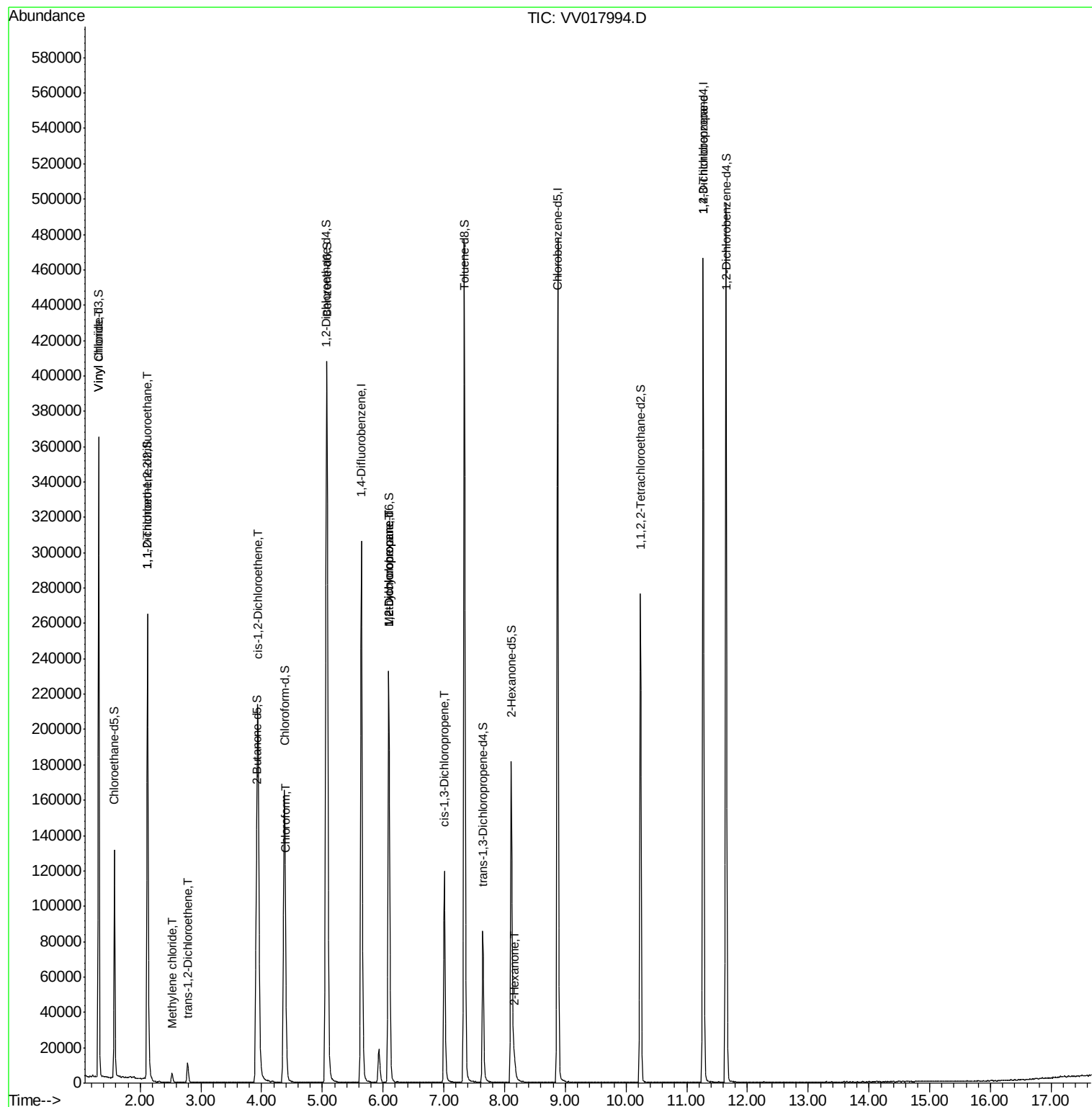
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	141032	63.227	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1211	0.681	ug/L #	20
16) Methylene chloride	2.52	84	2200	1.026	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	4036	2.332	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	102260	53.760	ug/L	99
25) Chloroform	4.40	83	3892	1.096	ug/L	86
35) Methylcyclohexane	6.10	83	26234	8.648	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	12570	5.972	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2954	0.990	ug/L #	72
48) 2-Hexanone	8.17	43	6928	3.123	ug/L #	88
59) 1,2,3-Trichloropropane	11.27	75	14072	5.414	ug/L	92

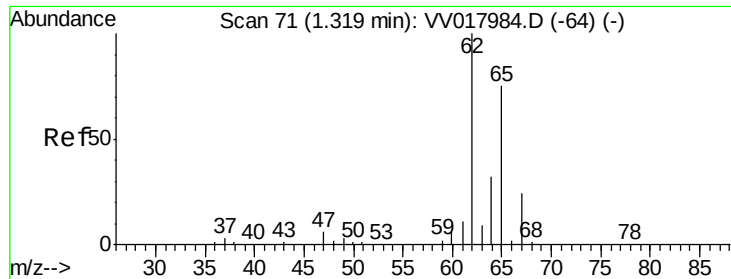
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 63.227 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017994.D

Acq: 14 Aug 2020 13:53

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MSVOA_V

ClientSampleId :

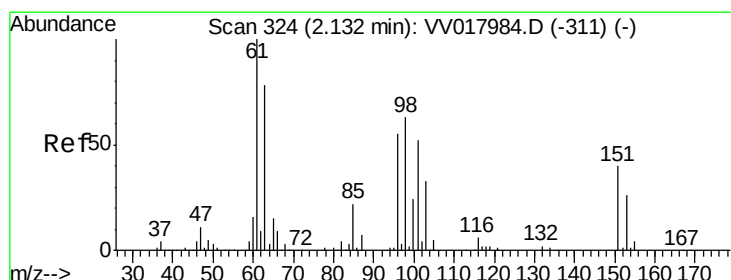
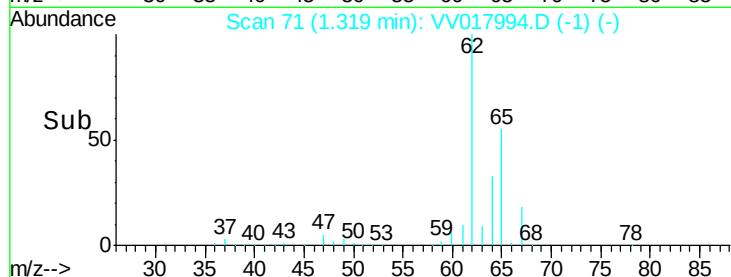
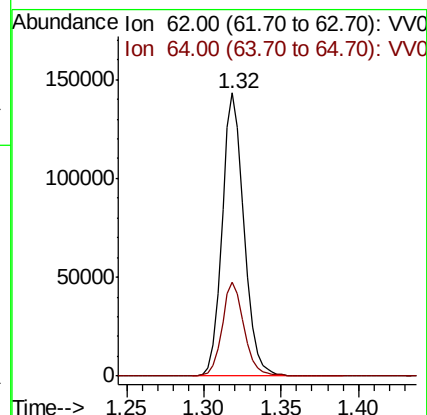
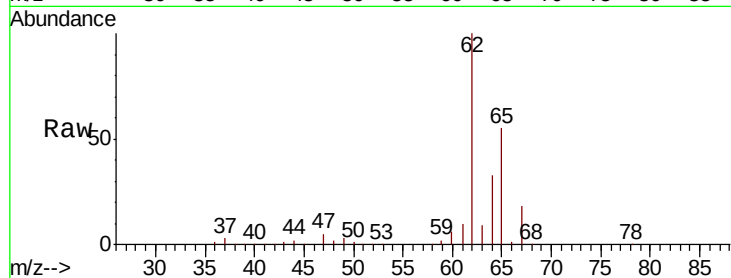
F4L26DL

Tot Ion: 62 Resp: 141032

Ion Ratio Lower Upper

62 100

64 33.2 22.4 41.6



#10

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

Concen: 0.681 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017994.D

Acq: 14 Aug 2020 13:53

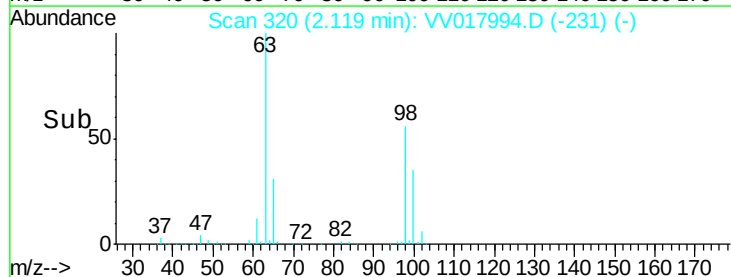
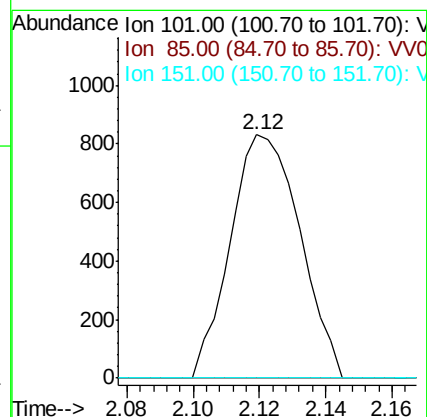
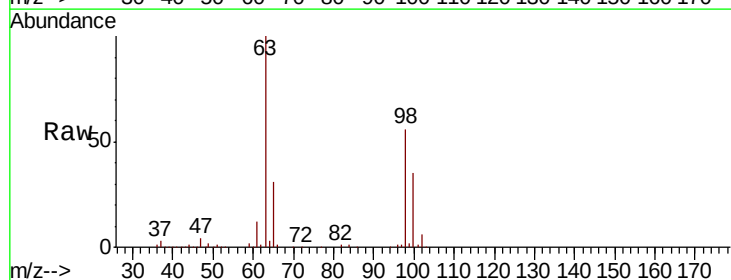
Tgt Ion: 101 Resp: 1211

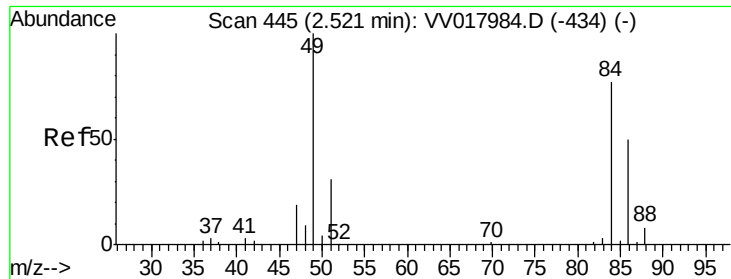
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#

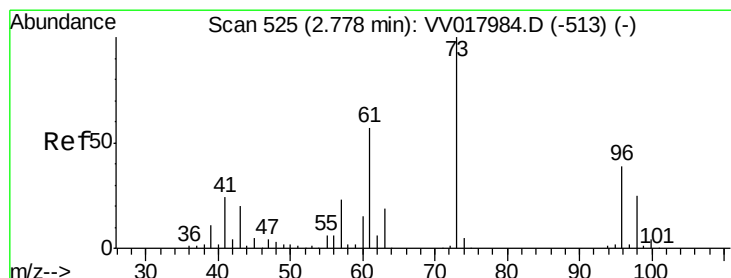
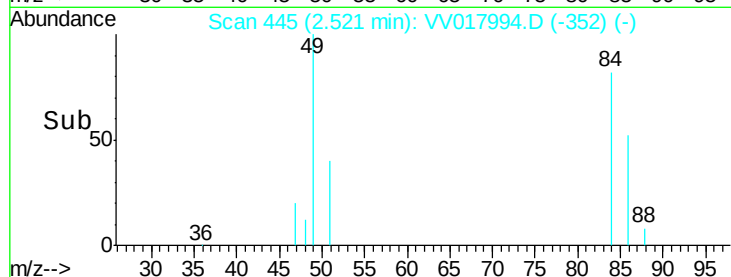
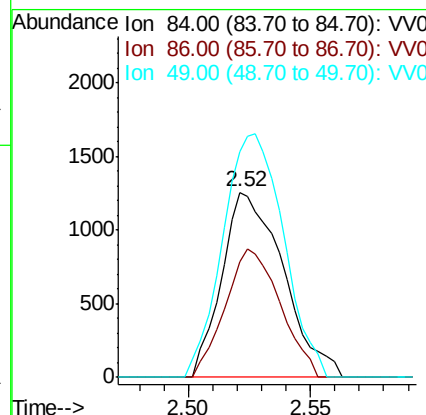
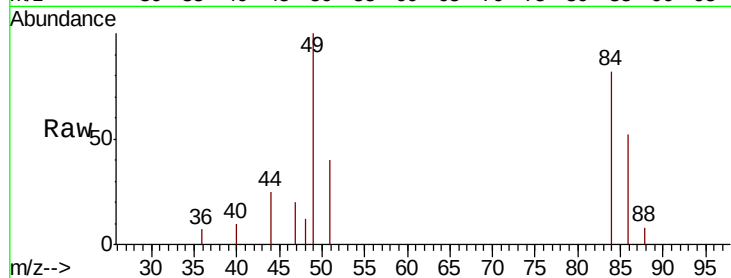




#16
Methylene chloride
Concen: 1.026 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

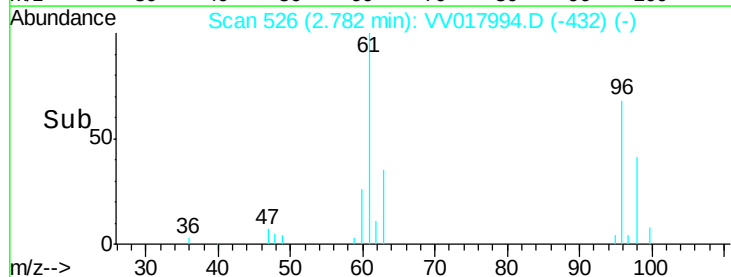
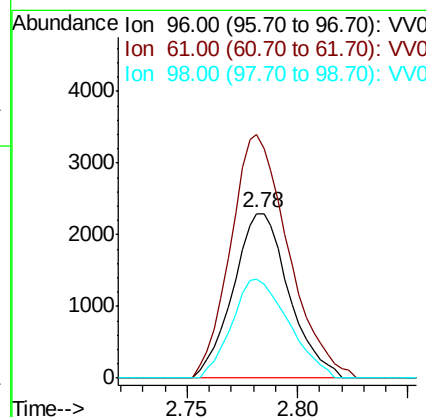
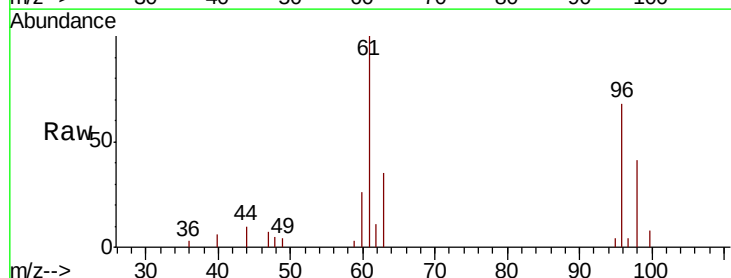
Instrument :
MSVOA_V
ClientSampleId :
F4L26DL

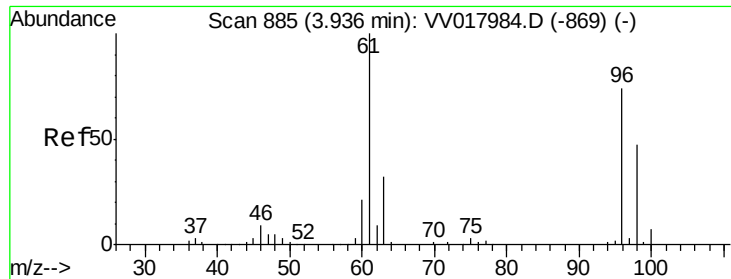
Tot Ion: 84 Resp: 2200
Ion Ratio Lower Upper
84 100
86 62.8 46.3 85.9
49 121.8 89.7 166.5



#17
trans-1,2-Dichloroethene
Concen: 2.332 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

Tgt Ion: 96 Resp: 4036
Ion Ratio Lower Upper
96 100
61 148.1 102.4 190.2
98 60.3 44.4 82.5

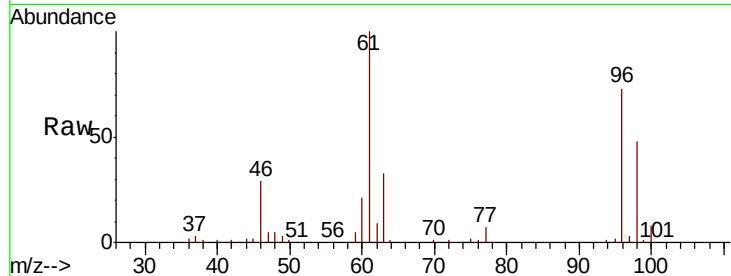




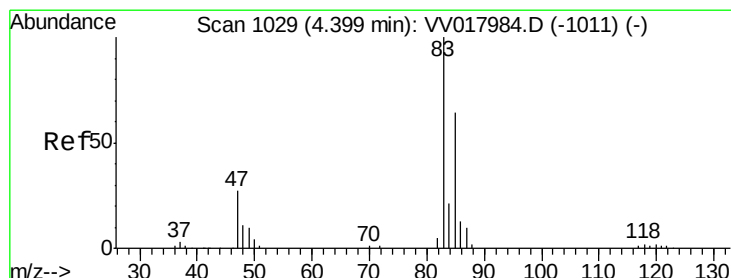
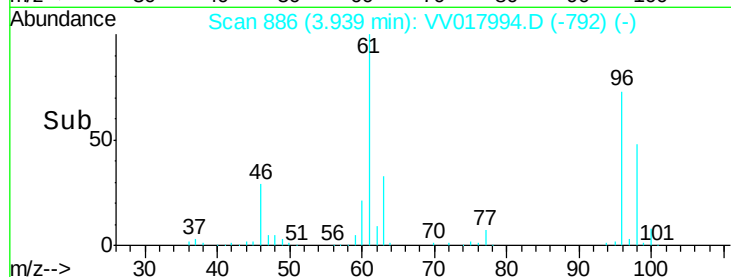
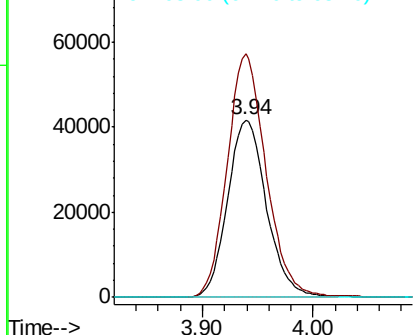
#20
 cis-1,2-Dichloroethene
 Concen: 53.760 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017994.D
 Acq: 14 Aug 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L26DL

Tot Ion: 96 Resp: 102260
 Ion Ratio Lower Upper
 96 100
 61 137.4 95.0 176.4
 68 0.0 0.0 0.0

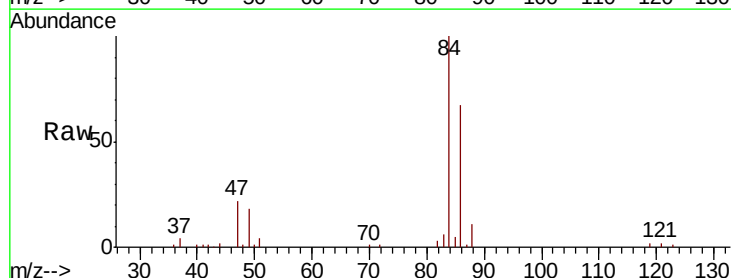


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

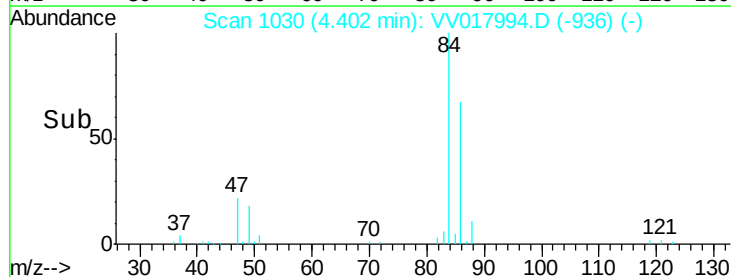
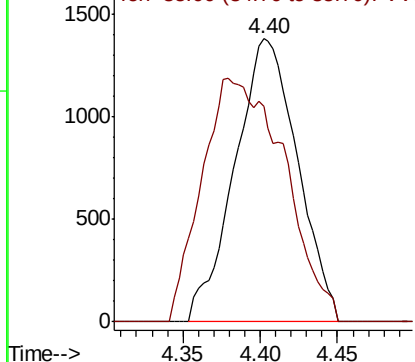


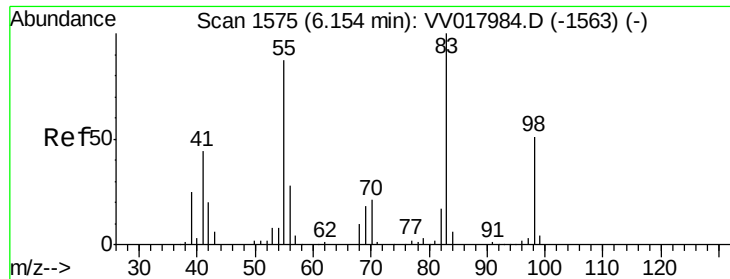
#25
 Chloroform
 Concen: 1.096 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017994.D
 Acq: 14 Aug 2020 13:53

Tgt Ion: 83 Resp: 3892
 Ion Ratio Lower Upper
 83 100
 85 76.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

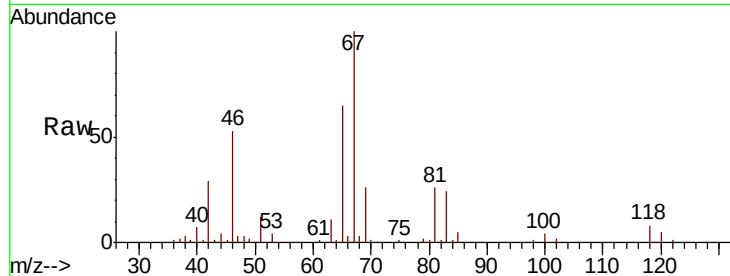




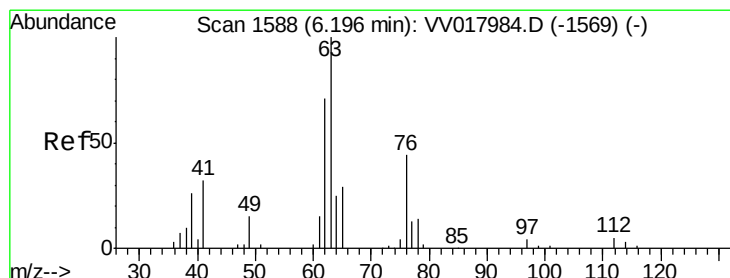
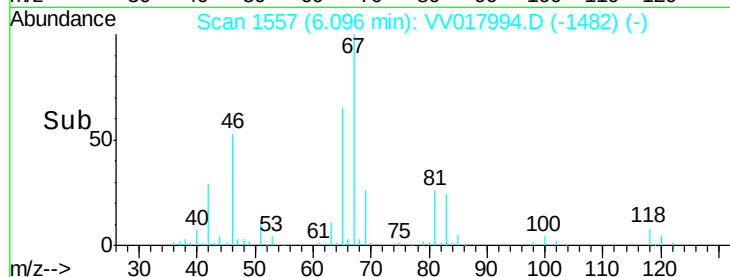
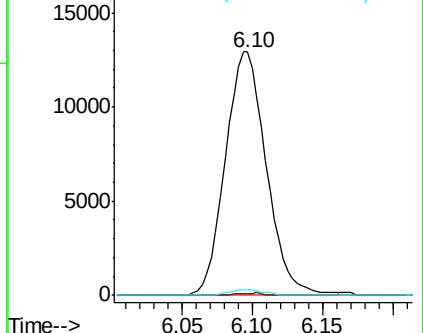
#35
Methvlcvclohexane
Concen: 8.648 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

Instrument :
MSVOA_V
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F4L26DL

Tot Ion: 83 Resp: 26234
Ion Ratio Lower Upper
83 100
55 0.3 64.9 97.3#
98 1.8 38.7 58.1#

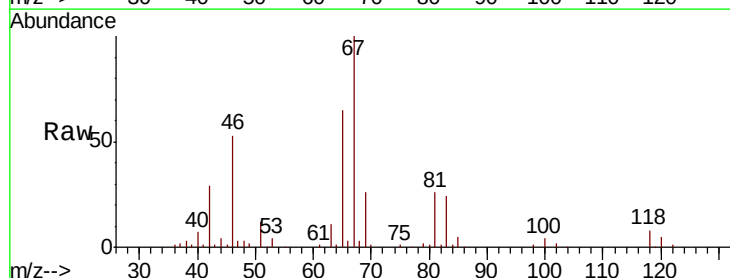


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

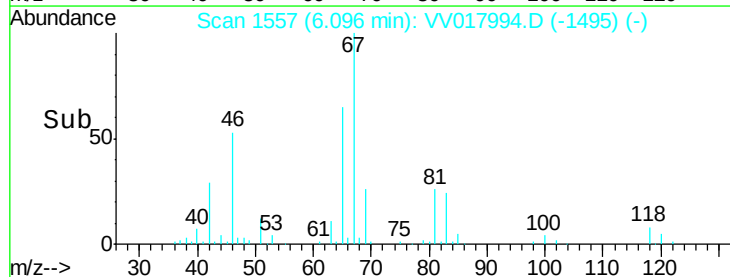
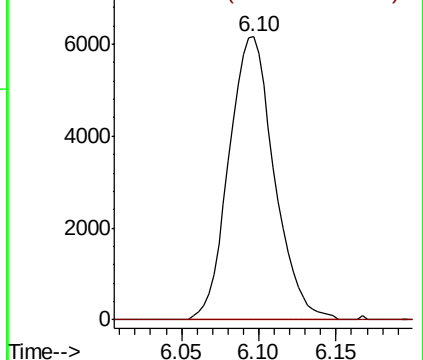


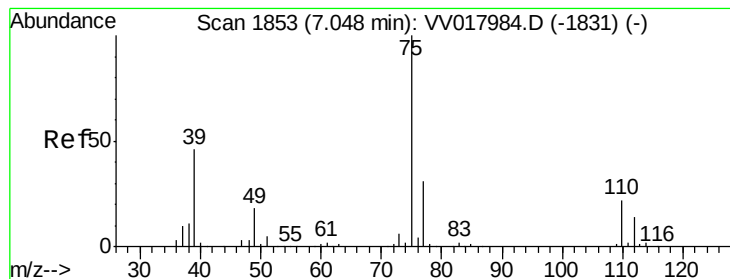
#37
1,2-Dichloropropane
Concen: 5.972 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

Tgt Ion: 63 Resp: 12570
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



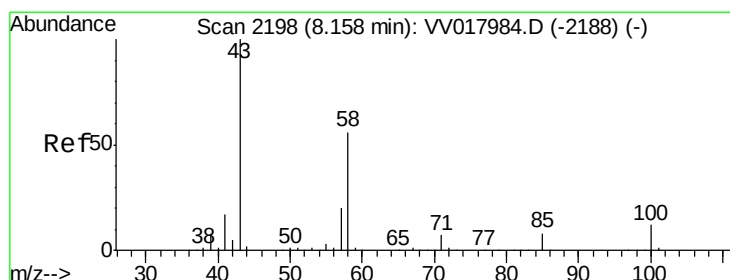
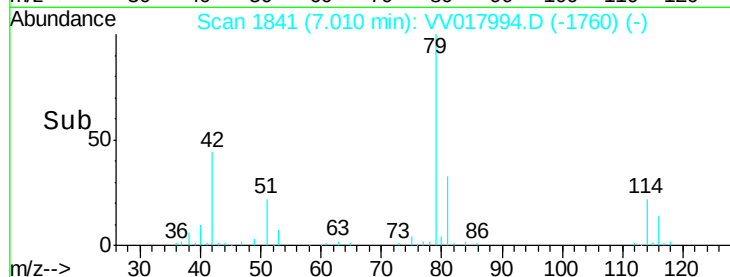
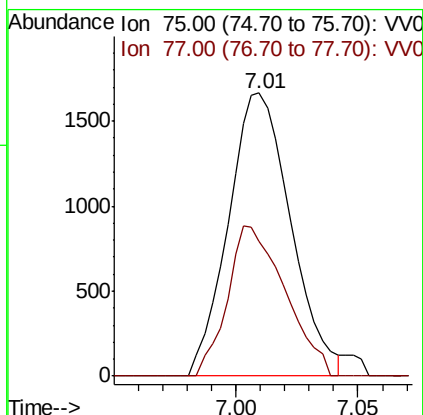
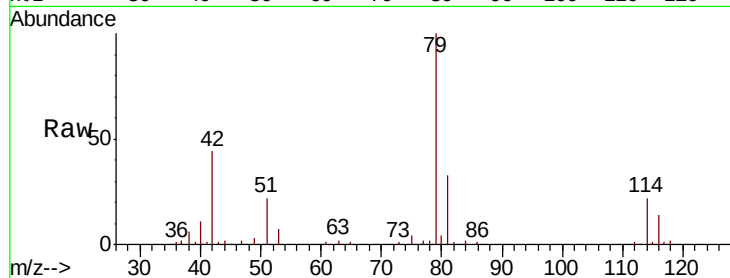


#39

cis-1,3-Dichloropropene
Concen: 0.990 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

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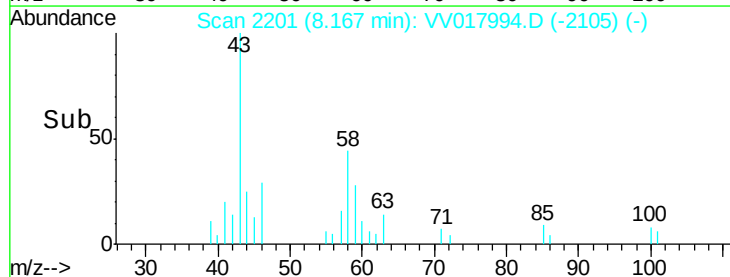
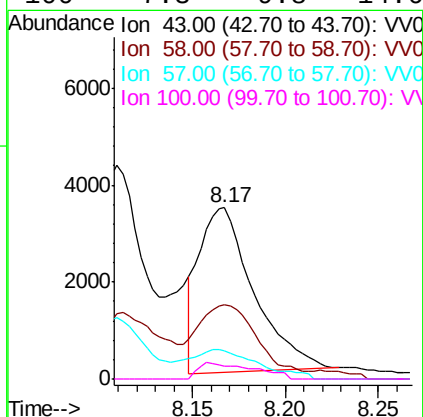
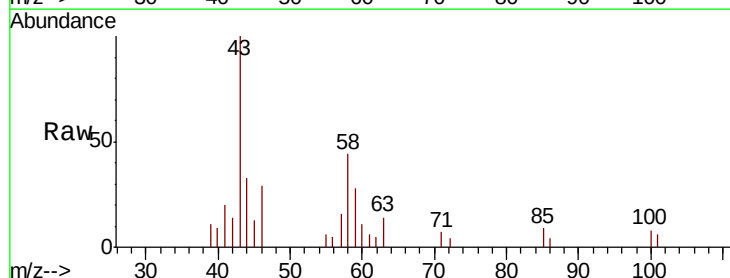
Tot Ion: 75 Resp: 2954
Ion Ratio Lower Upper
75 100
77 47.6 22.3 41.5#

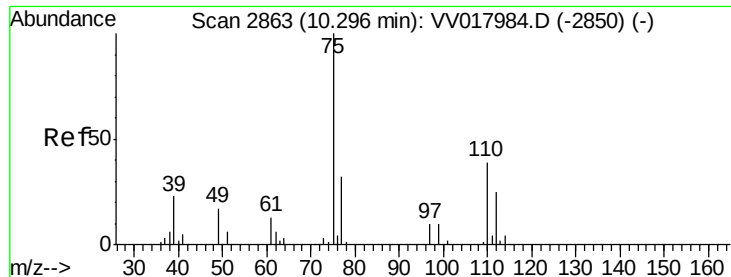


#48

2-Hexanone
Concen: 3.123 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017994.D
Acq: 14 Aug 2020 13:53

Tgt Ion: 43 Resp: 6928
Ion Ratio Lower Upper
43 100
58 46.9 44.4 66.6
57 12.8 15.2 22.8#
100 7.3 9.8 14.6#





#59

1,2,3-Trichloropropane

Concen: 5.414 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017994.D

Acq: 14 Aug 2020 13:53

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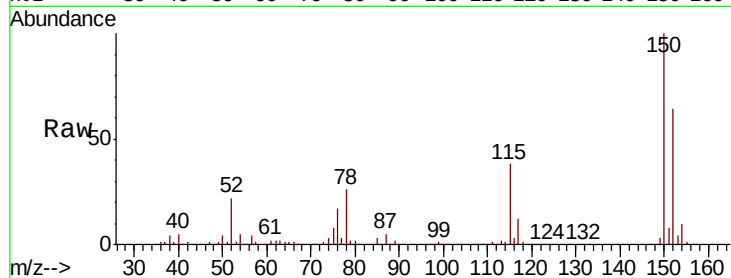
F4L26DL

Tot Ion: 75 Resp: 14072

Ion Ratio Lower Upper

75 100

77 36.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

