

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018003.D
 Acq On : 14 Aug 2020 17:49
 Operator : SY/MD
 Sample : L3665-05DL 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L28DL

Quant Time: Aug 17 01:38:08 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	246345	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	242605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	115357	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	62608	33.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.62%
7) Chloroethane-d5	1.58	69	59275	38.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.10%
11) 1,1-Dichloroethene-d2	2.12	63	101860	28.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.66%#
21) 2-Butanone-d5	3.91	46	119227	96.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.85%
24) Chloroform-d	4.38	84	144768	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.62%
26) 1,2-Dichloroethane-d4	5.06	65	99857	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
32) Benzene-d6	5.07	84	276238	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.64%
36) 1,2-Dichloropropane-d6	6.09	67	95453	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.34%
41) Toluene-d8	7.34	98	236373	39.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.62%#
43) trans-1,3-Dichloropropene-	7.64	79	41668	42.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.06%
47) 2-Hexanone-d5	8.11	63	56695	80.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127121	44.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	109677	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%

Target Compounds

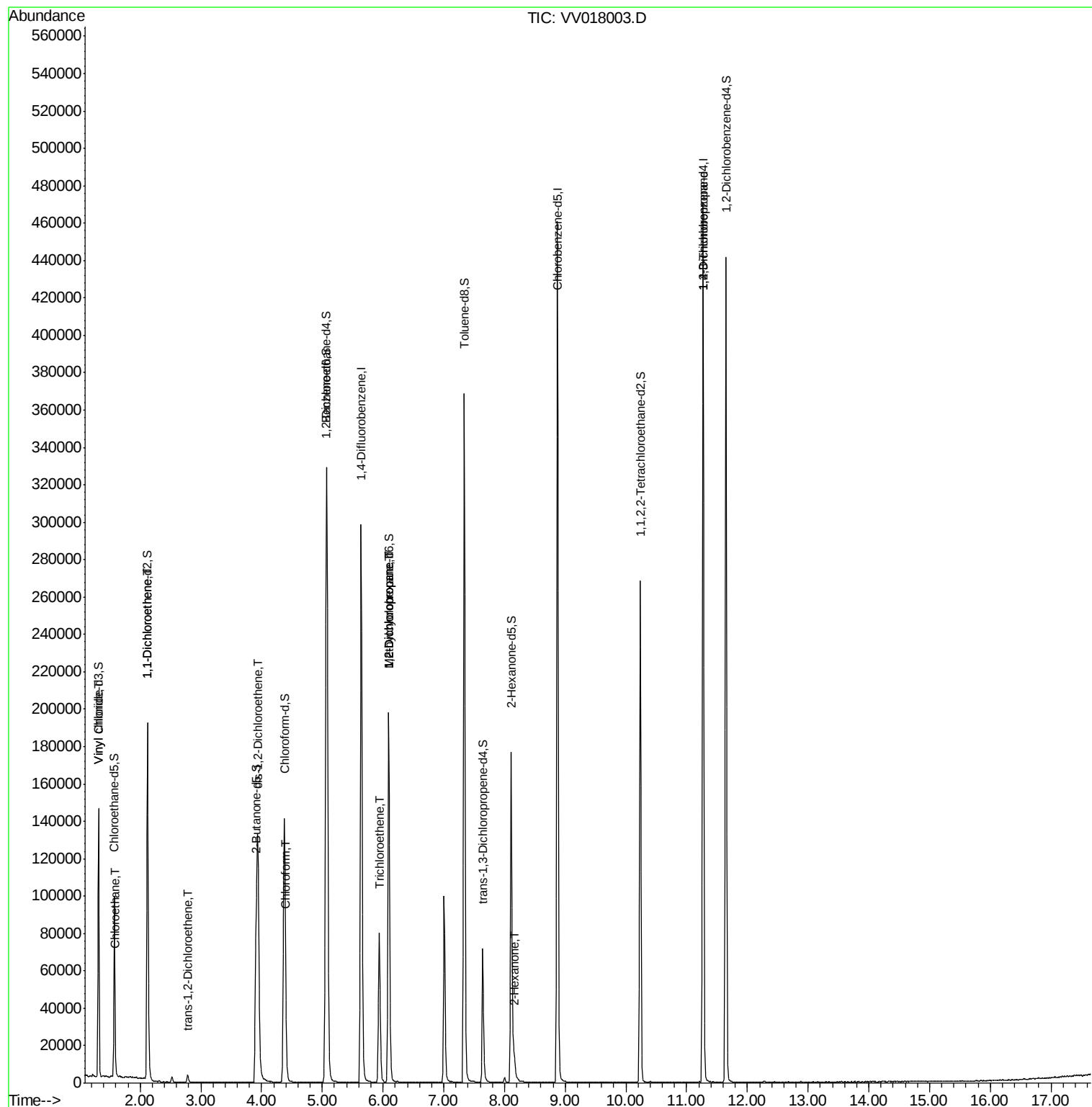
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	27768	12.686	ug/L	93
8) Chloroethane	1.60	64	2291	1.640	ug/L	96
12) 1,1-Dichloroethene	2.13	96	2493	1.509	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1562	0.920	ug/L	89
20) cis-1,2-Dichloroethene	3.94	96	62802	33.644	ug/L	99
25) Chloroform	4.41	83	3204	0.920	ug/L	93
34) Trichloroethene	5.94	95	25046	12.624	ug/L	97
35) Methylcyclohexane	6.09	83	22477	7.619	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	10720	5.237	ug/L #	87
48) 2-Hexanone	8.16	43	7686	3.562	ug/L #	84
59) 1,2,3-Trichloropropane	11.27	75	13637	5.394	ug/L	89

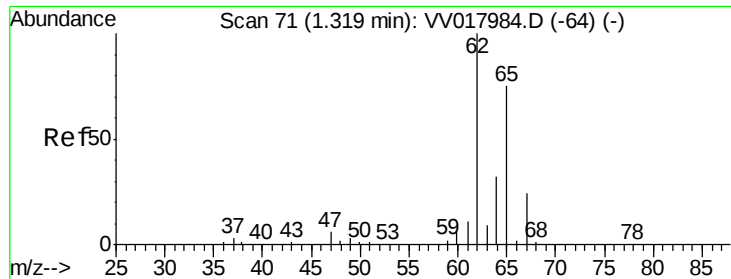
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.686 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018003.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_V

ClientSampleID :

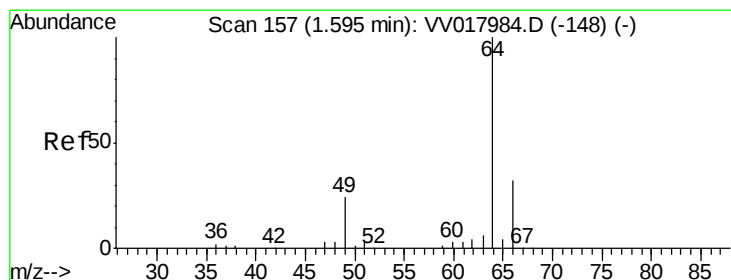
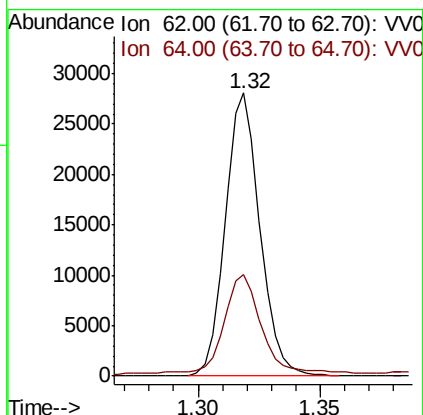
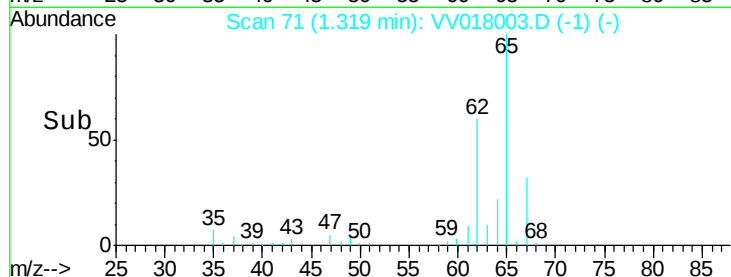
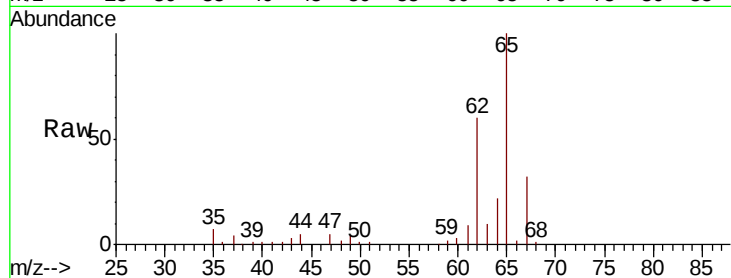
F4L28DL

Tot Ion: 62 Resp: 27768

Ion Ratio Lower Upper

62 100

64 35.7 22.4 41.6



#8

Chloroethane

Concen: 1.640 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018003.D

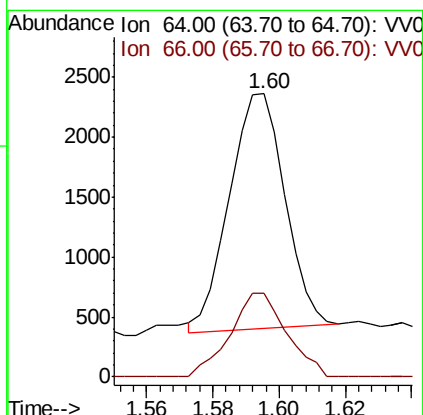
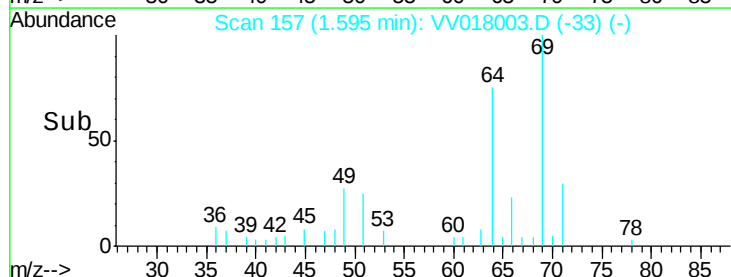
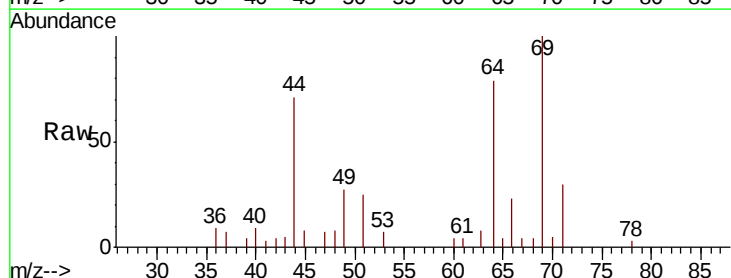
Acq: 14 Aug 2020 17:49

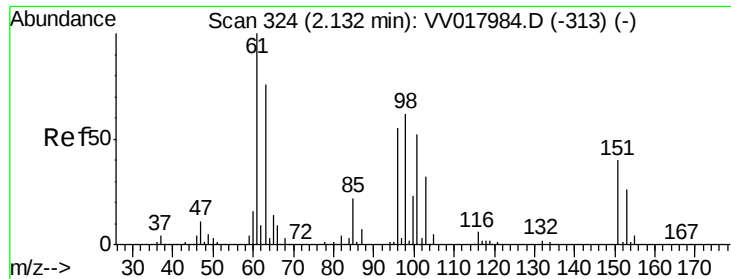
Tgt Ion: 64 Resp: 2291

Ion Ratio Lower Upper

64 100

66 29.4 22.3 41.3





#12

1,1-Dichloroethene

Concen: 1.509 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018003.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

F4L28DL

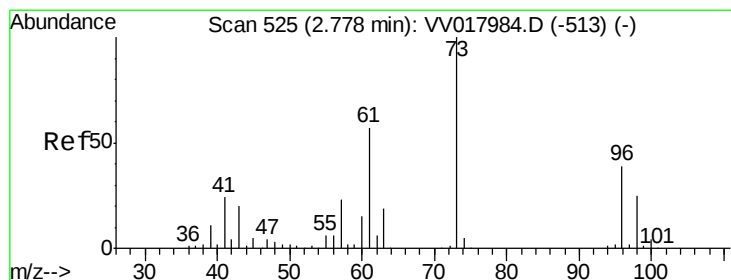
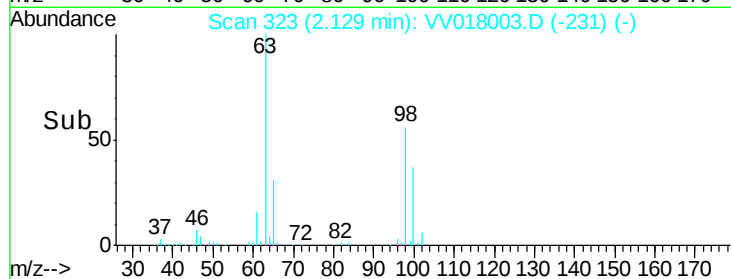
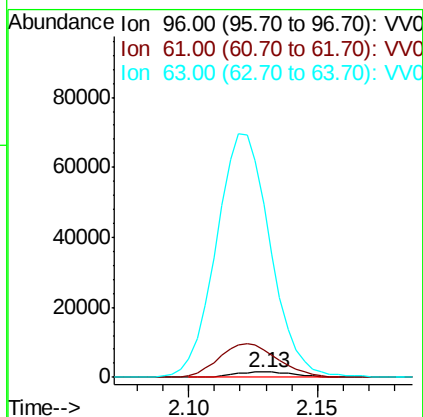
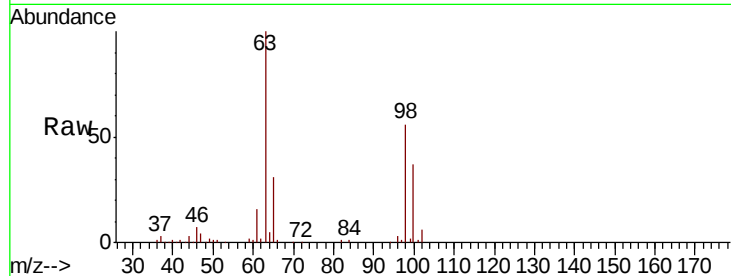
Tot Ion: 96 Resp: 2493

Ion Ratio Lower Upper

96 100

61 547.7 127.1 236.0#

63 3398.8 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 0.920 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018003.D

Acq: 14 Aug 2020 17:49

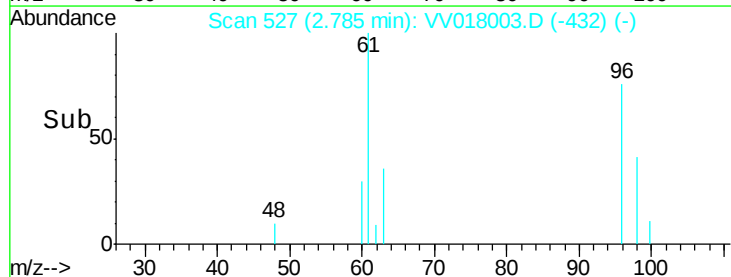
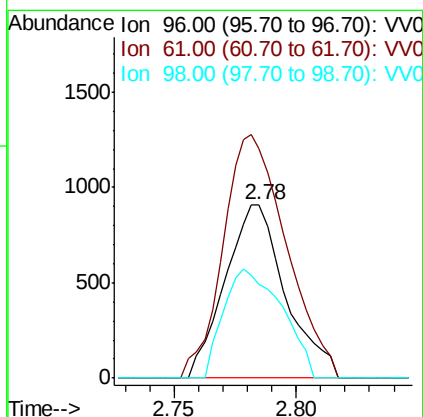
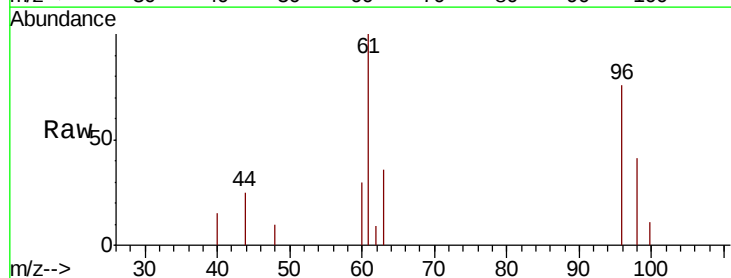
Tgt Ion: 96 Resp: 1562

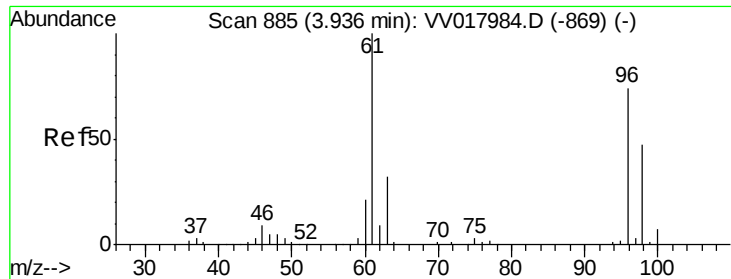
Ion Ratio Lower Upper

96 100

61 132.3 102.4 190.2

98 54.3 44.4 82.5

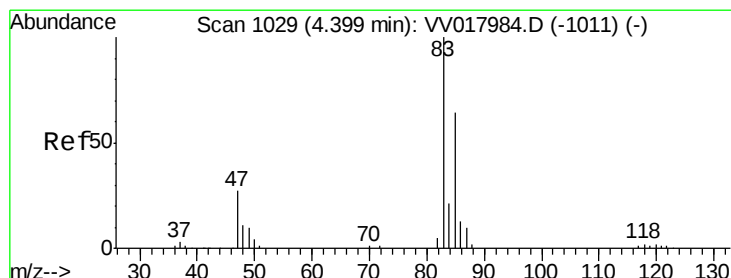
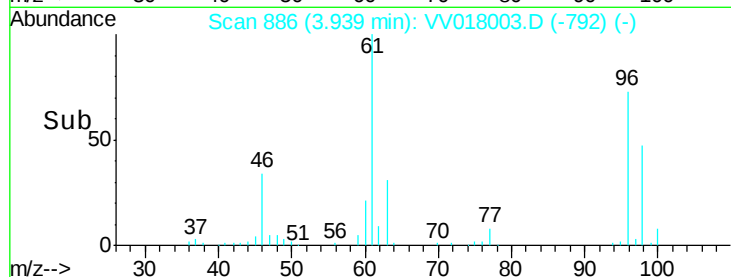
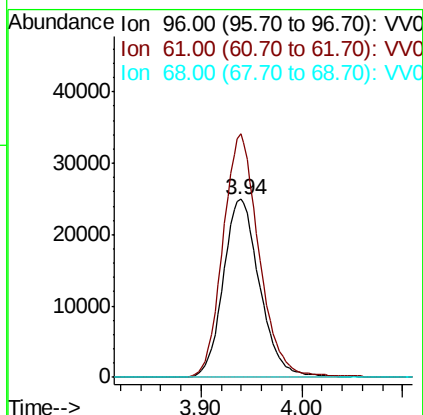
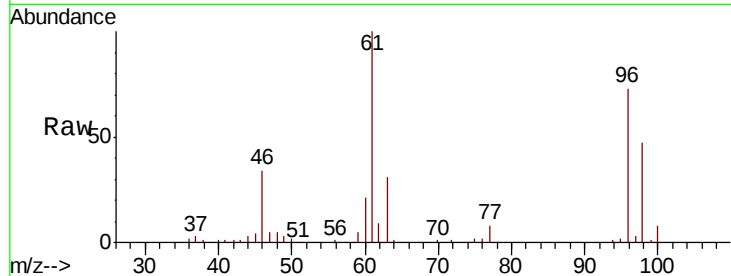




#20
 cis-1,2-Dichloroethene
 Concen: 33.644 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018003.D
 Acq: 14 Aug 2020 17:49

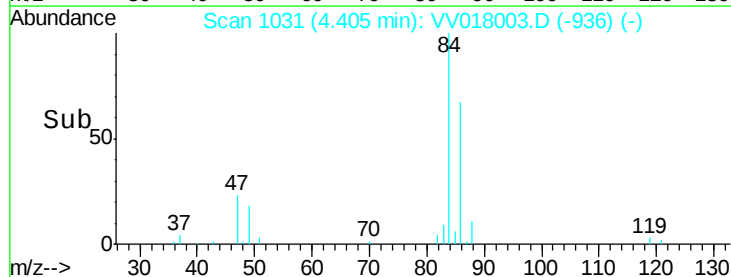
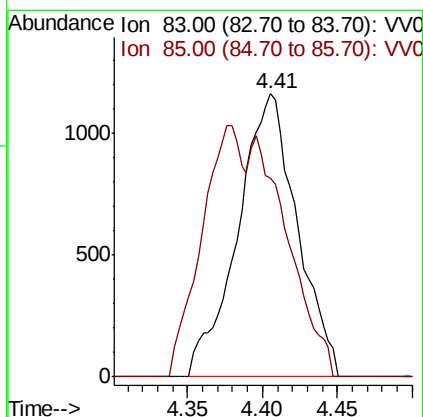
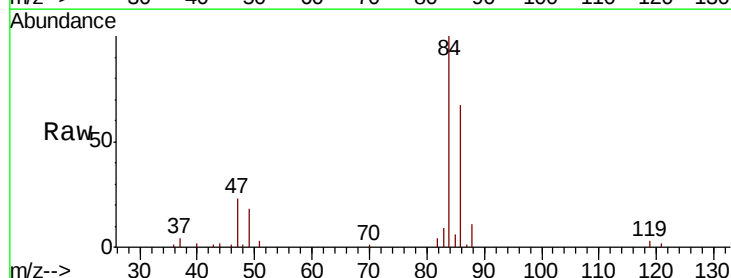
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 F4L28DL

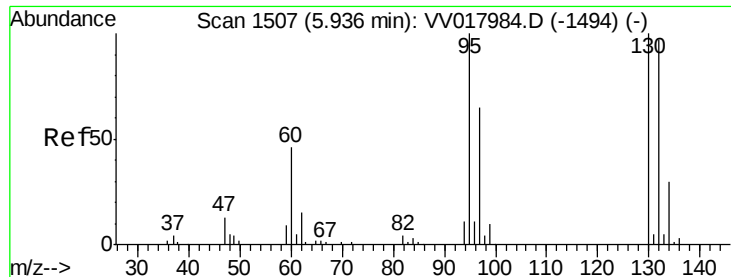
Tot Ion: 96 Resp: 62802
 Ion Ratio Lower Upper
 96 100
 61 136.8 95.0 176.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.920 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV018003.D
 Acq: 14 Aug 2020 17:49

Tgt Ion: 83 Resp: 3204
 Ion Ratio Lower Upper
 83 100
 85 70.4 45.5 84.5

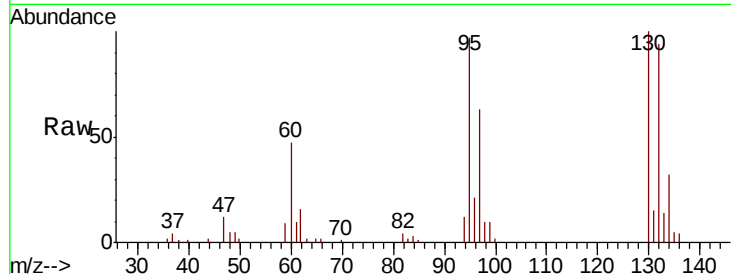




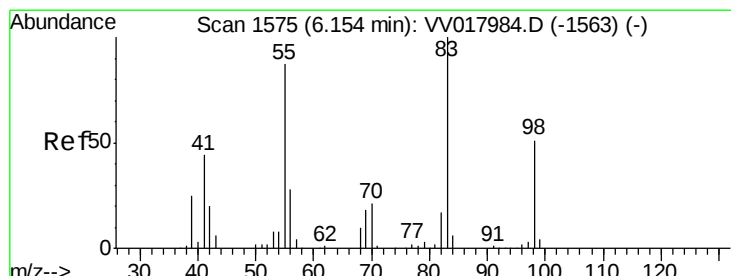
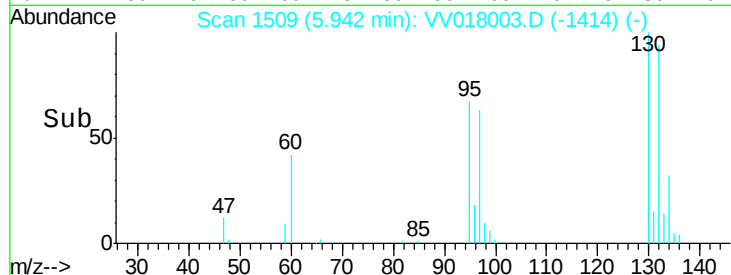
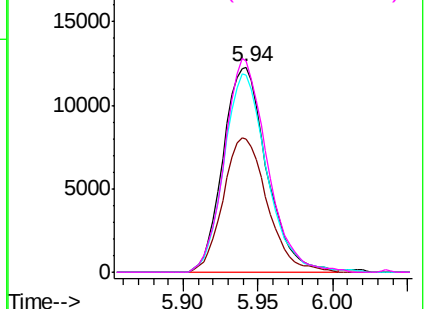
#34
 Trichloroethene
 Concen: 12.624 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018003.D
 Acq: 14 Aug 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L28DL

Tot Ion:	95	Resp:	25046
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.0	85.4
132	96.3	65.8	122.2
130	102.8	69.2	128.6

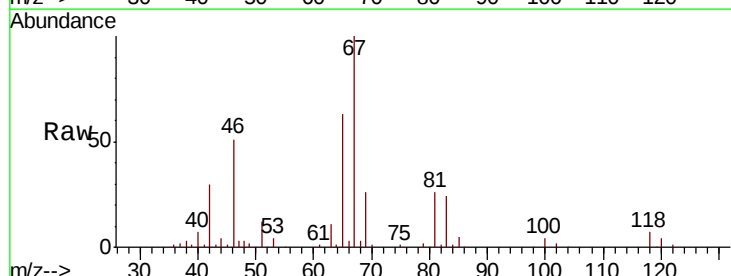


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

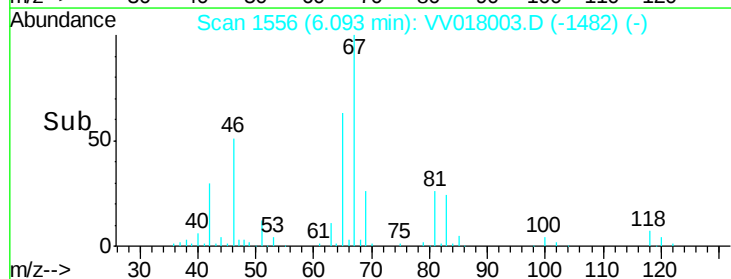
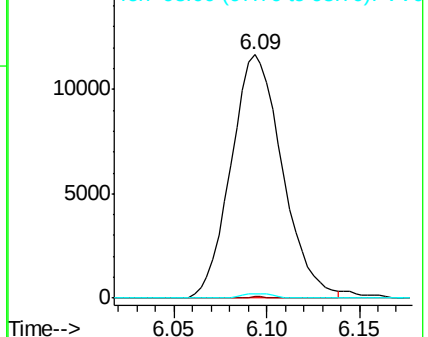


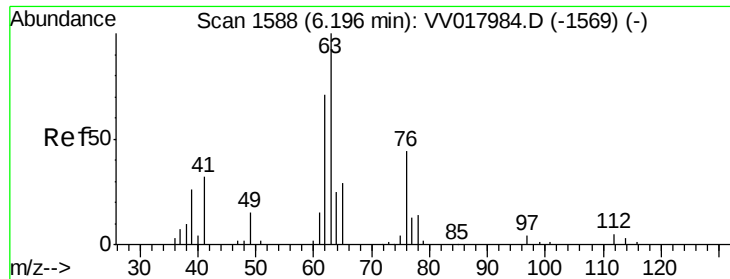
#35
 Methylcyclohexane
 Concen: 7.619 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV018003.D
 Acq: 14 Aug 2020 17:49

Tgt Ion:	83	Resp:	22477
Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.9	97.3#
98	1.2	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: 5.237 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018003.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

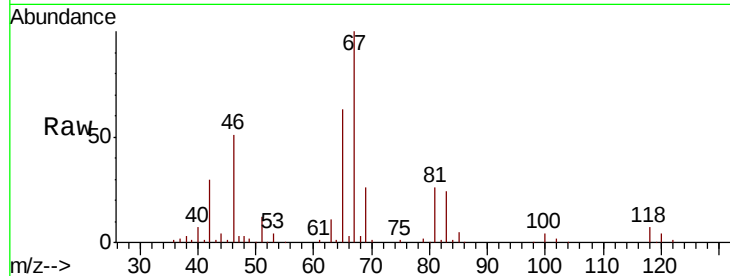
F4L28DL

Tot Ion: 63 Resp: 10720

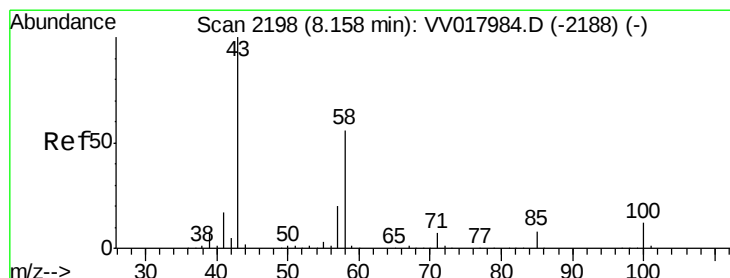
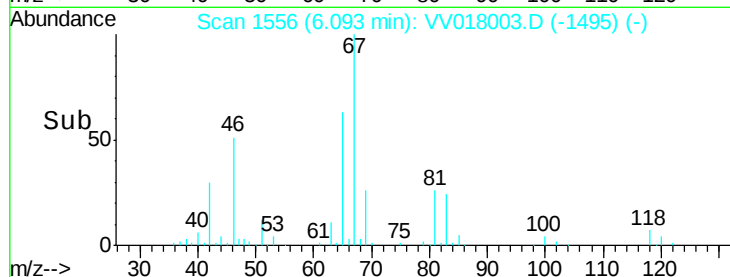
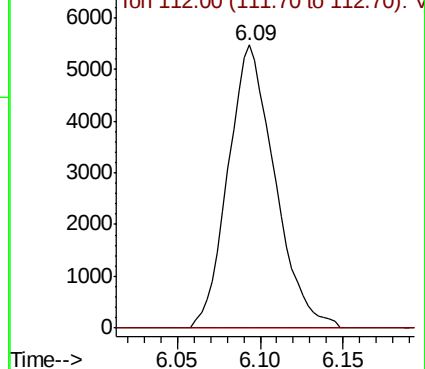
Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017984.D (-1569) (-)



#48

2-Hexanone

Concen: 3.562 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018003.D

Acq: 14 Aug 2020 17:49

Tgt Ion: 43 Resp: 7686

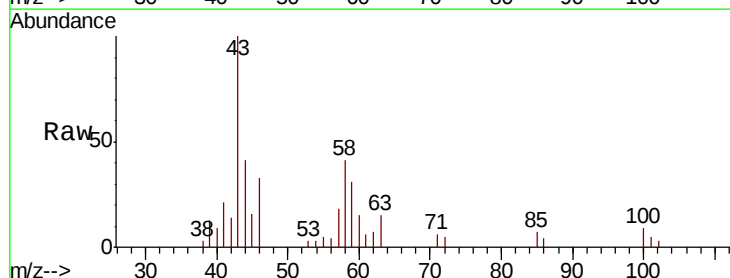
Ion Ratio Lower Upper

43 100

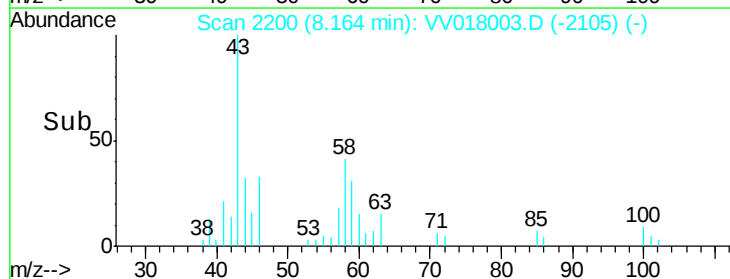
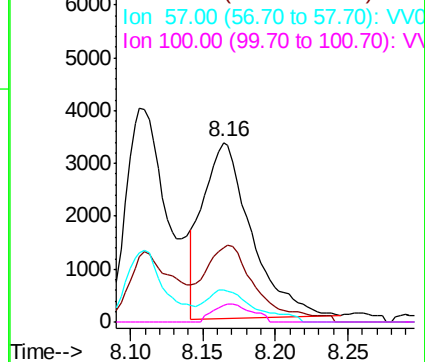
58 39.1 44.4 66.6#

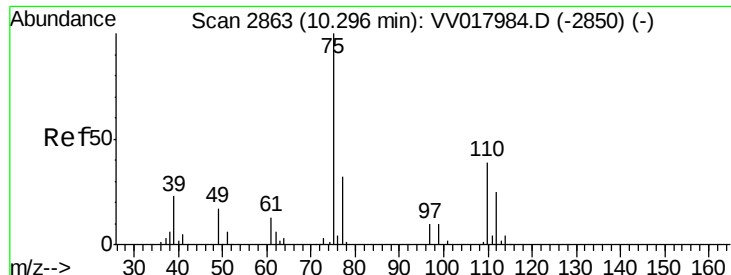
57 18.5 15.2 22.8

100 8.1 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VV017984.D (-2188) (-)





#59

1,2,3-Trichloropropane

Concen: 5.394 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV018003.D

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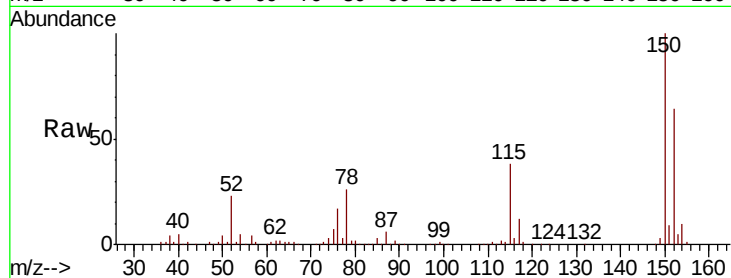
F4L28DL

Tot Ion: 75 Resp: 13637

Ion Ratio Lower Upper

75 100

77 38.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

