

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017970.D
 Acq On : 13 Aug 2020 14:36
 Operator : SY/MD
 Sample : L3644-15DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76DL

Quant Time: Aug 14 04:16:56 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	261202	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	258100	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86489	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	73897	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.12	63	132745	34.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.64%
21) 2-Butanone-d5	3.91	46	118666	90.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.91%
24) Chloroform-d	4.38	84	163194	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.06	65	112385	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.08	84	329813	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
36) 1,2-Dichloropropane-d6	6.10	67	107921	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.82%
41) Toluene-d8	7.34	98	292024	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%
43) trans-1,3-Dichloropropene-	7.64	79	46711	44.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.58%
47) 2-Hexanone-d5	8.11	63	58971	79.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.02%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131252	43.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	121595	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

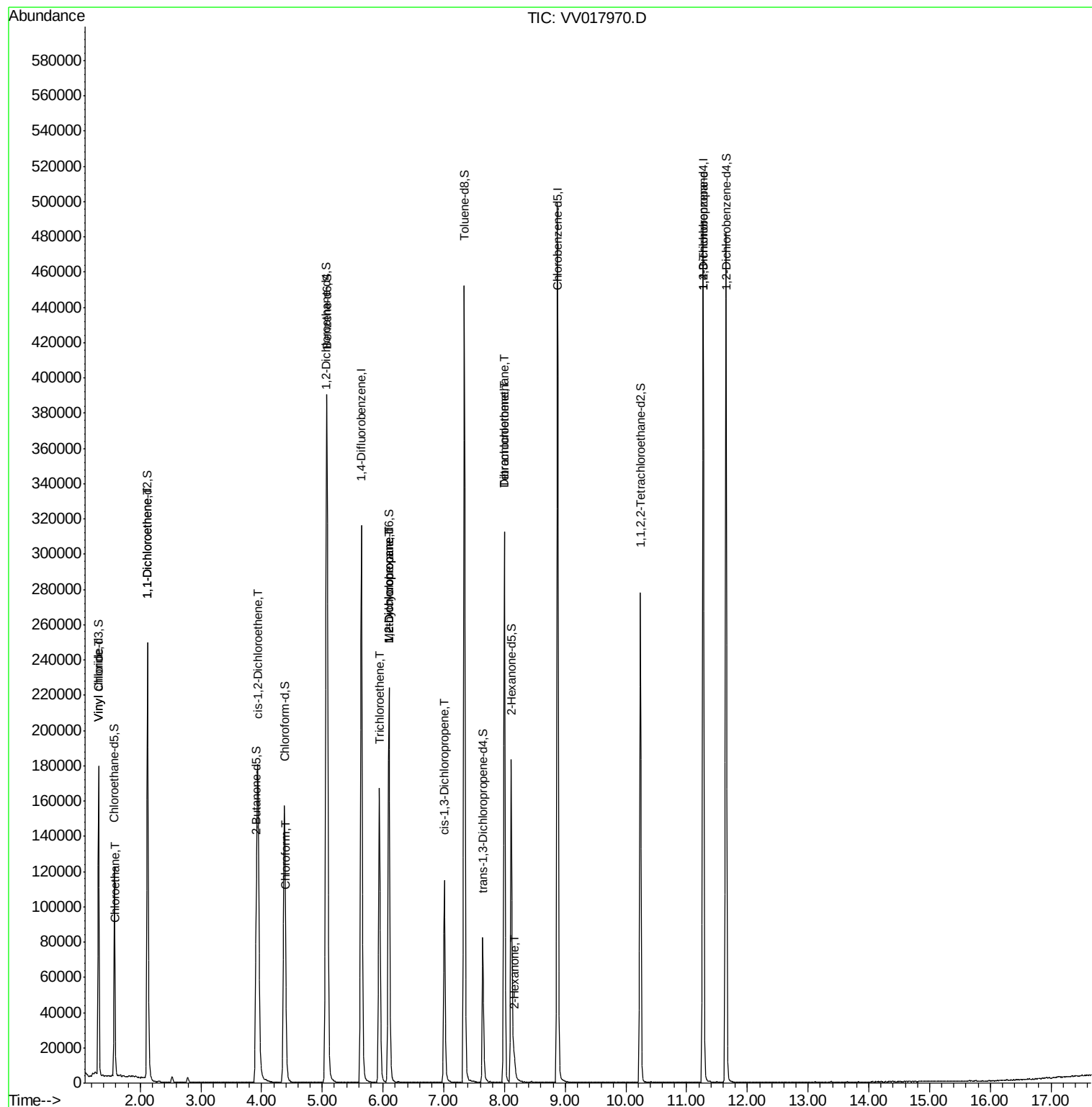
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	24668	10.628	ug/L	85
8) Chloroethane	1.60	64	1415	0.955	ug/L	90
12) 1,1-Dichloroethene	2.13	96	2556	1.459	ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	86343	43.624	ug/L	98
25) Chloroform	4.41	83	3450	0.934	ug/L	94
34) Trichloroethene	5.94	95	56760	26.891	ug/L	99
35) Methylcyclohexane	6.10	83	25863	8.240	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	12031	5.525	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2766	0.896	ug/L #	80
46) Tetrachloroethene	8.00	164	68599	44.315	ug/L	98
48) 2-Hexanone	8.17	43	7958	3.467	ug/L #	73
49) Dibromochloromethane	8.00	129	62748	31.877	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14868	5.528	ug/L	93

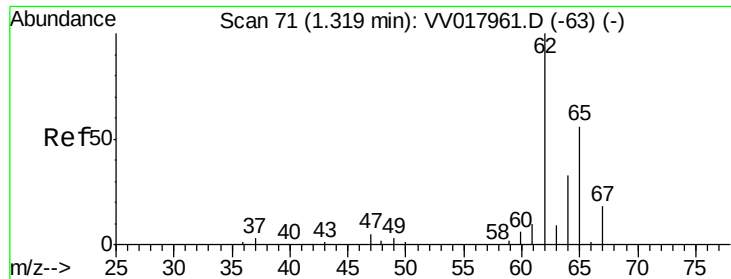
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 04:14:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.628 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017970.D

Acq: 13 Aug 2020 14:36

Instrument :

MSVOA_V

ClientSampled :

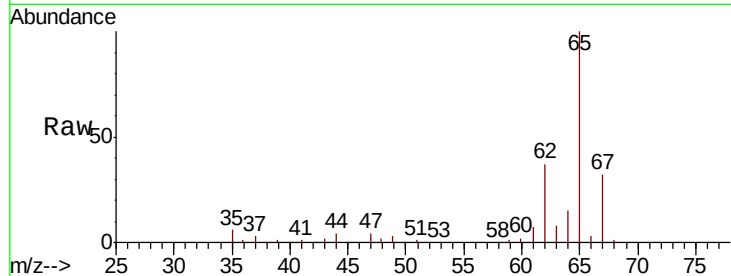
F2L76DL

Tot Ion: 62 Resp: 24668

Ion Ratio Lower Upper

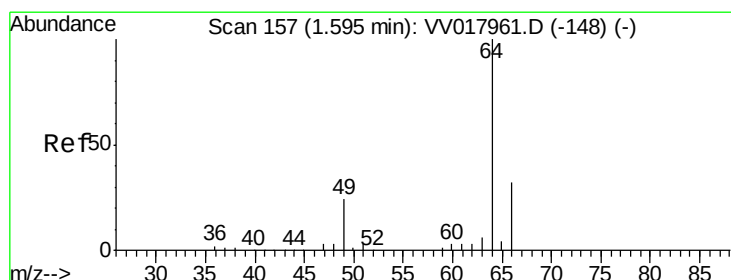
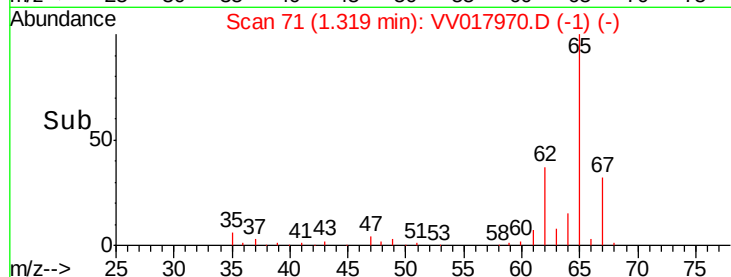
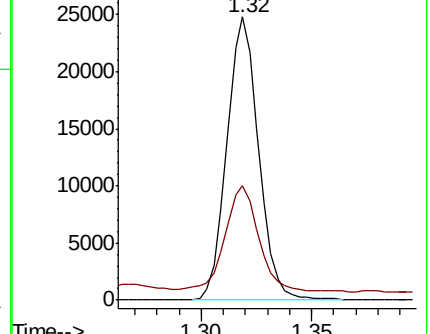
62 100

64 40.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 0.955 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017970.D

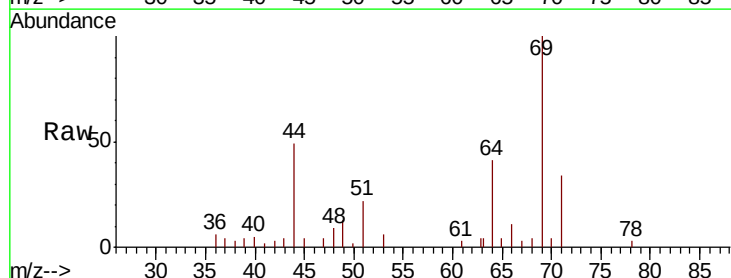
Acq: 13 Aug 2020 14:36

Tgt Ion: 64 Resp: 1415

Ion Ratio Lower Upper

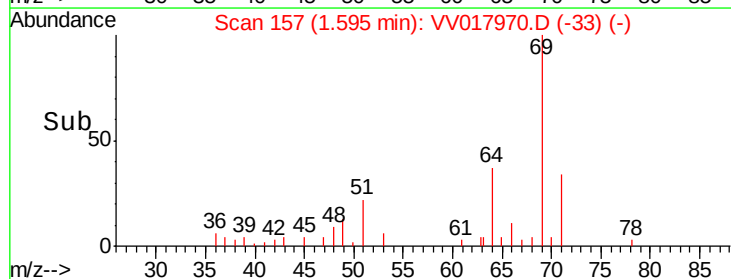
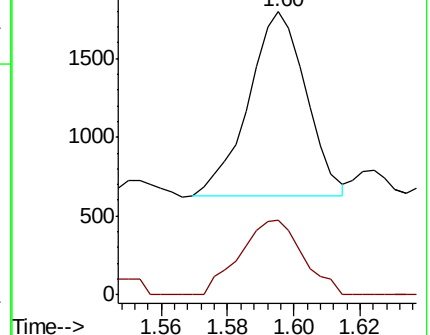
64 100

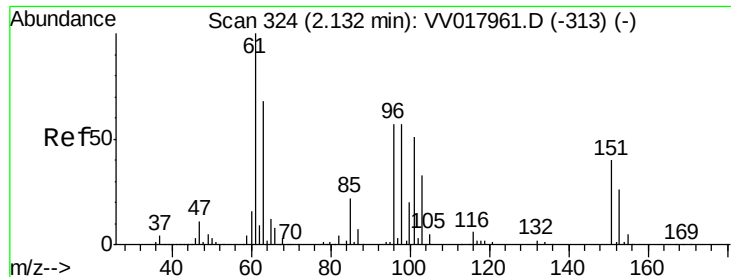
66 26.2 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 1.459 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017970.D

Acq: 13 Aug 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

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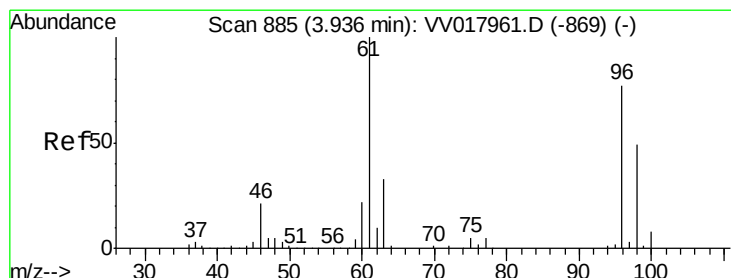
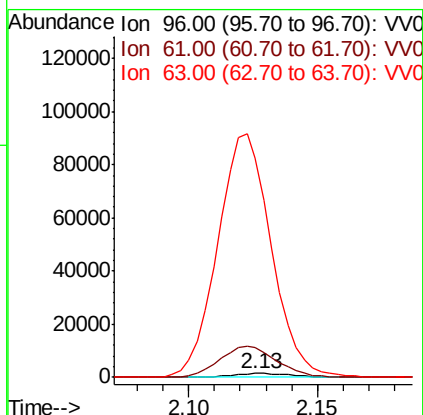
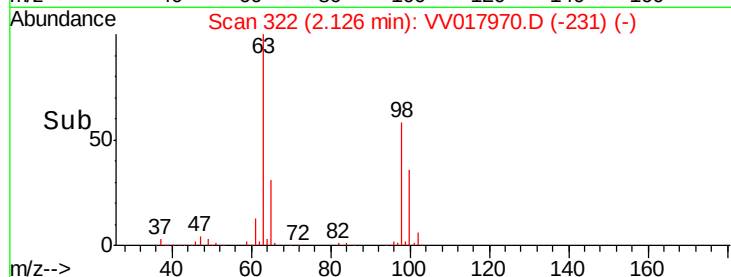
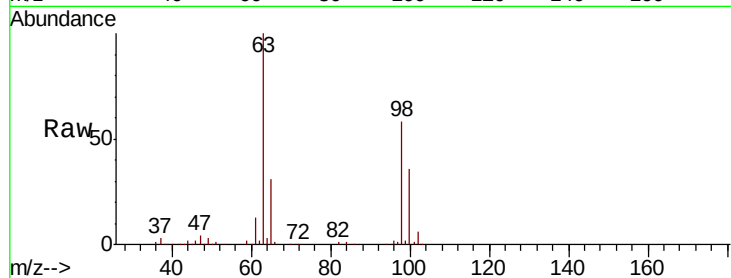
Tot Ion: 96 Resp: 2556

Ion Ratio Lower Upper

96 100

61 770.0 127.1 236.0#

63 5775.0 95.2 176.8#



#20

cis-1,2-Dichloroethene

Concen: 43.624 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017970.D

Acq: 13 Aug 2020 14:36

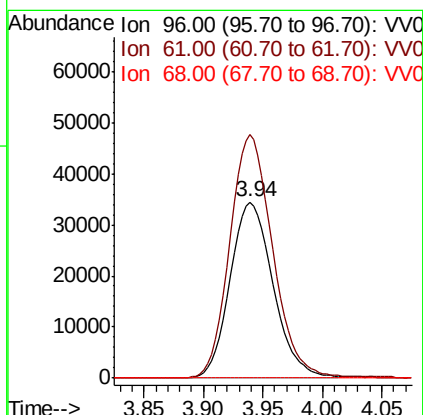
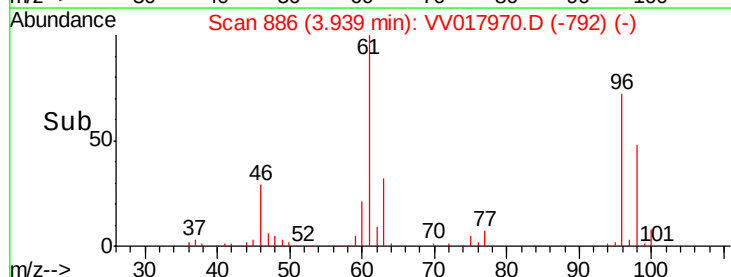
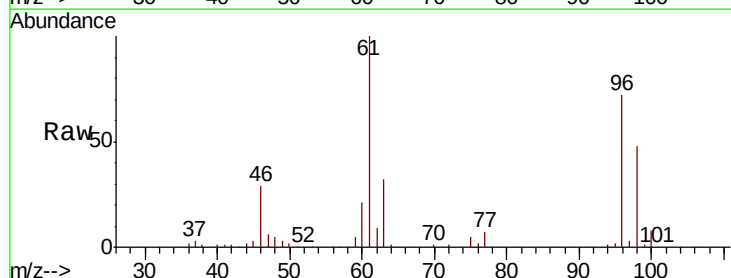
Tgt Ion: 96 Resp: 86343

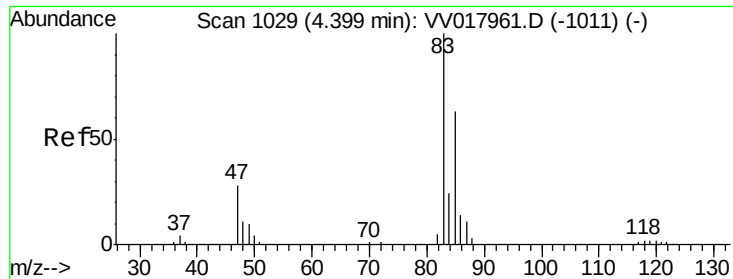
Ion Ratio Lower Upper

96 100

61 138.4 95.0 176.4

68 0.0 0.0 0.0

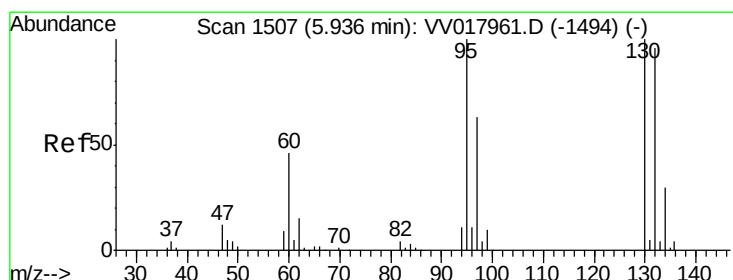
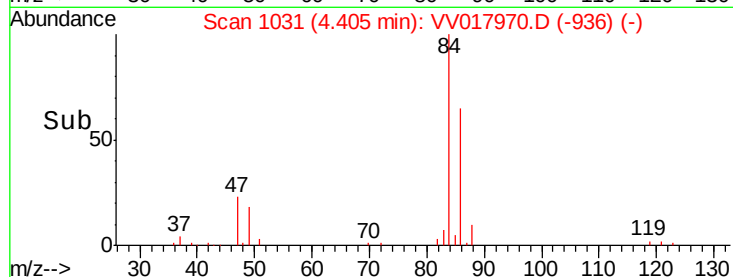
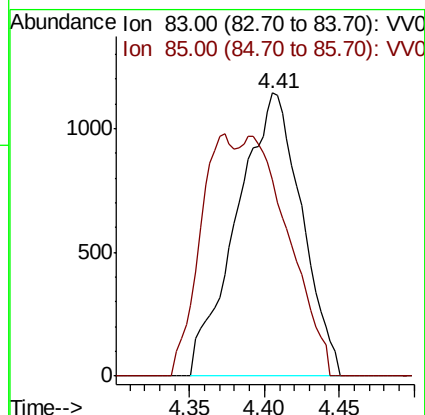
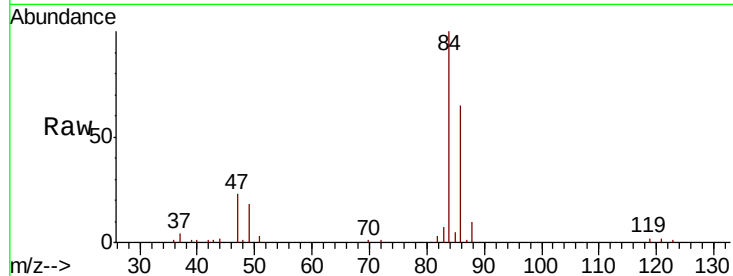




#25
Chloroform
Concen: 0.934 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

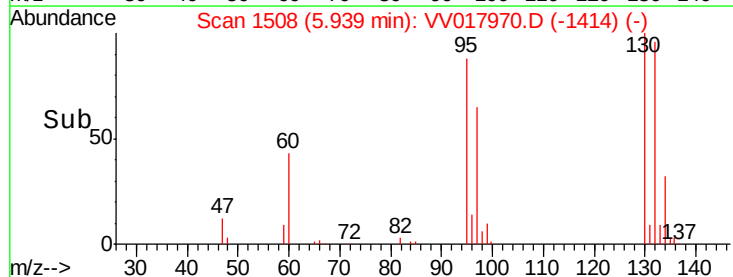
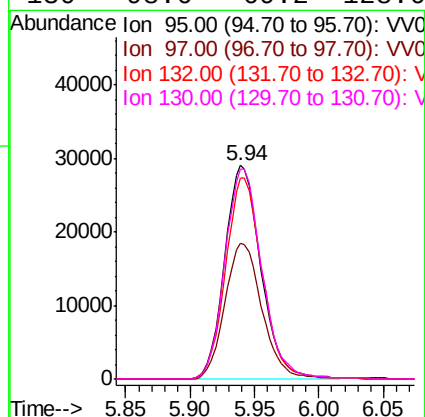
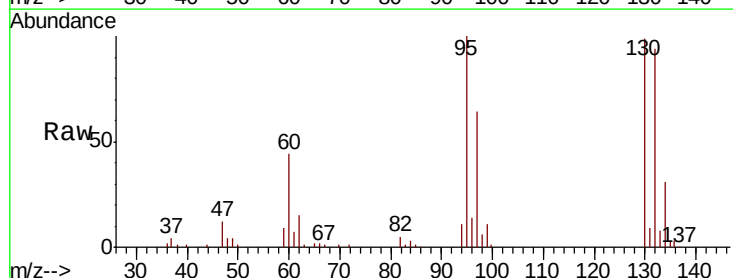
Instrument :
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ClientSampled :
F2L76DL

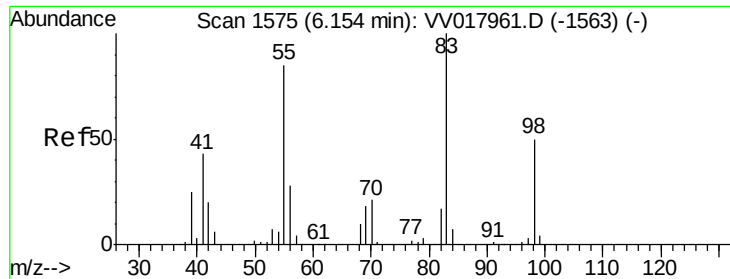
Tot Ion: 83 Resp: 3450
Ion Ratio Lower Upper
83 100
85 69.5 45.5 84.5



#34
Trichloroethene
Concen: 26.891 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

Tgt Ion: 95 Resp: 56760
Ion Ratio Lower Upper
95 100
97 63.7 46.0 85.4
132 94.2 65.8 122.2
130 98.6 69.2 128.6

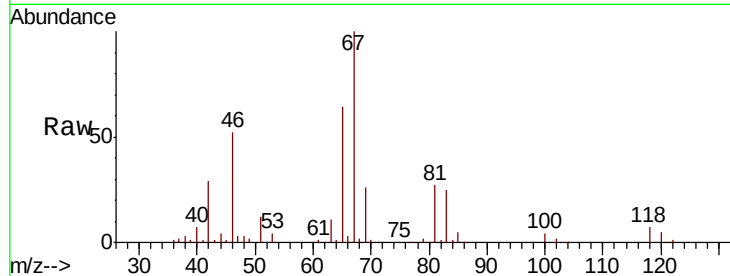




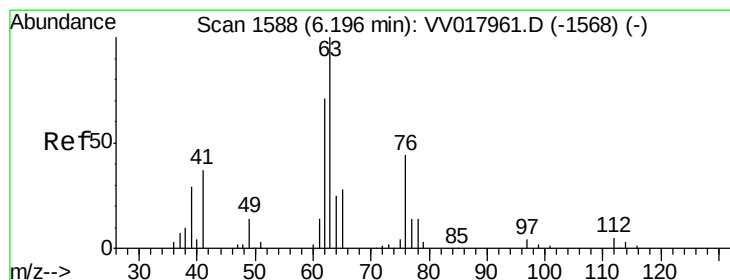
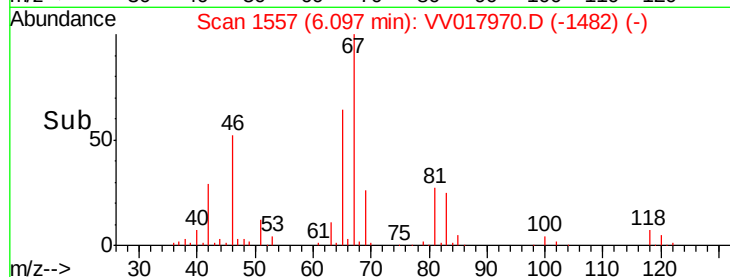
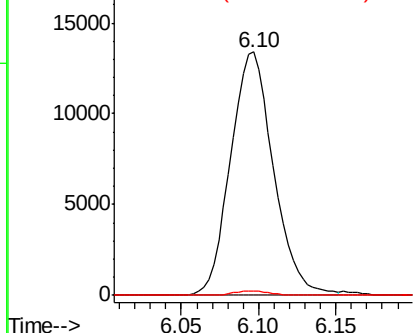
#35
Methylvlcyclohexane
Concen: 8.240 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

Instrument :
MSVOA_V
ClientSampleId :
F2L76DL

Tot Ion: 83 Resp: 25863
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.4 38.7 58.1#

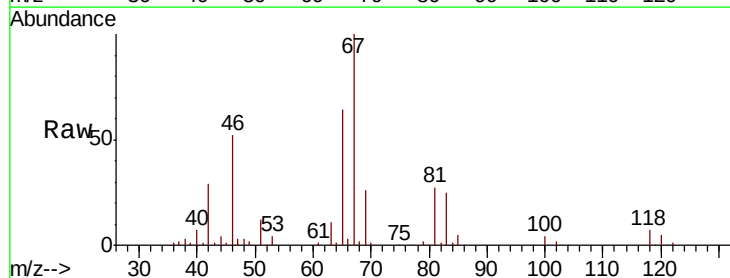


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

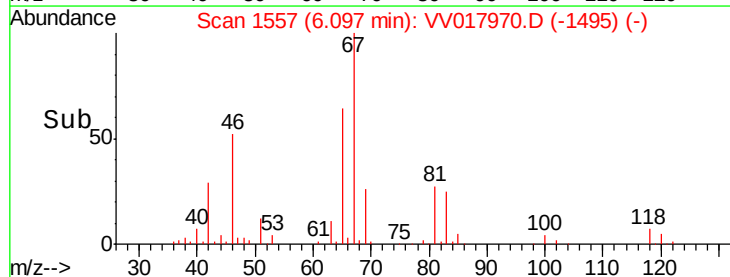
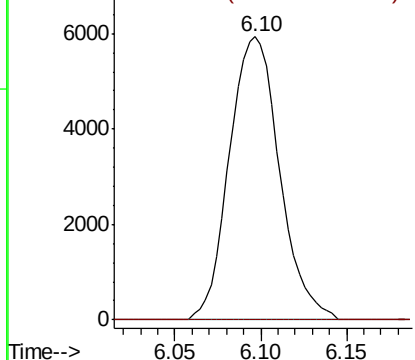


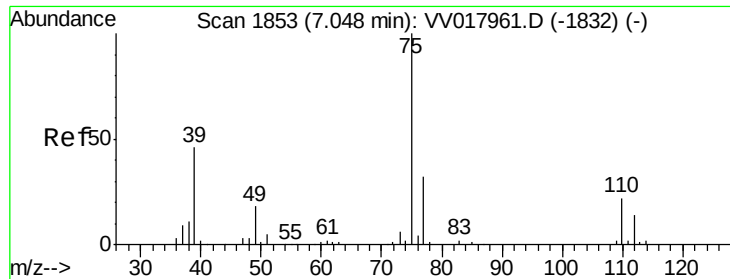
#37
1,2-Dichloropropane
Concen: 5.525 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

Tgt Ion: 63 Resp: 12031
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

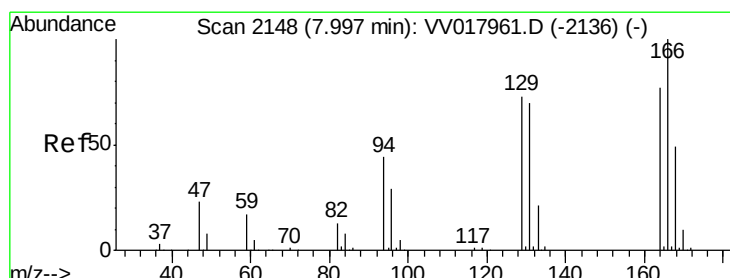
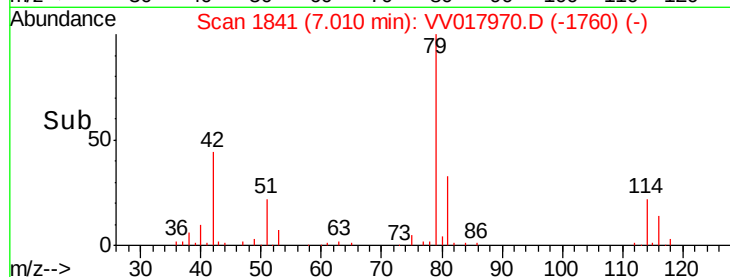
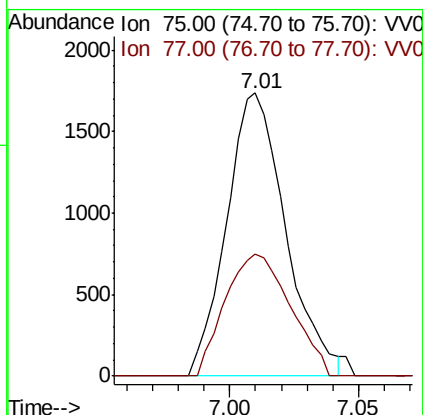
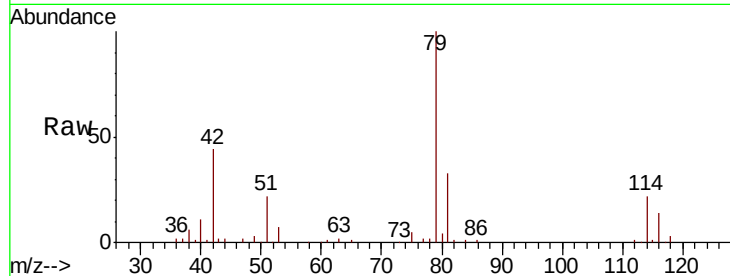




#39
 cis-1,3-Dichloropropene
 Concen: 0.896 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017970.D
 Acq: 13 Aug 2020 14:36

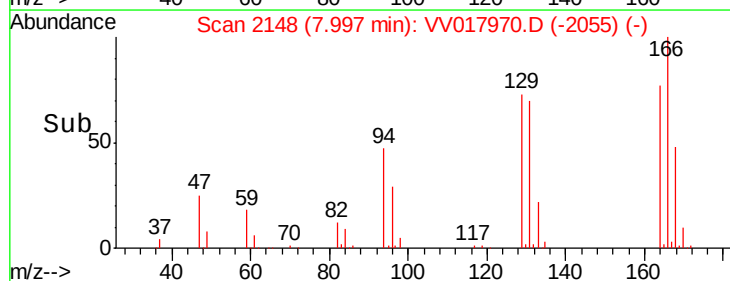
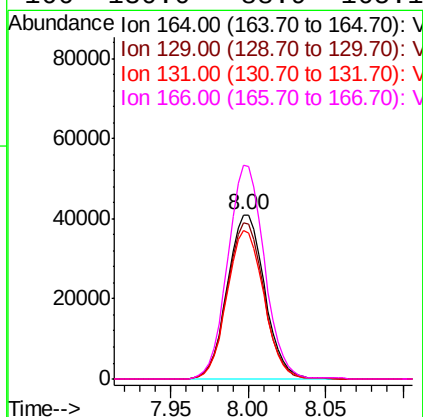
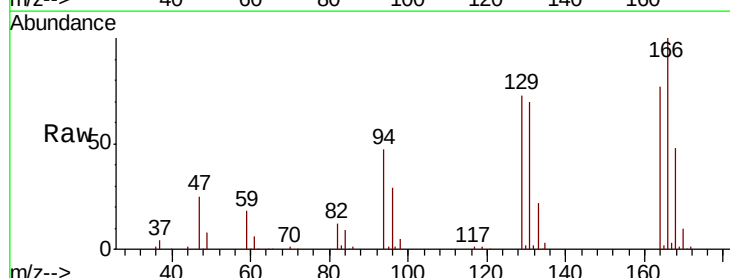
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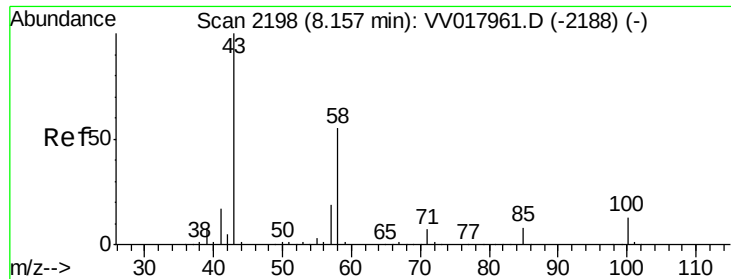
Tot Ion: 75 Resp: 2766
 Ion Ratio Lower Upper
 75 100
 77 43.1 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 44.315 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017970.D
 Acq: 13 Aug 2020 14:36

Tgt Ion: 164 Resp: 68599
 Ion Ratio Lower Upper
 164 100
 129 95.2 64.8 120.3
 131 90.5 64.5 119.9
 166 130.0 88.9 165.1

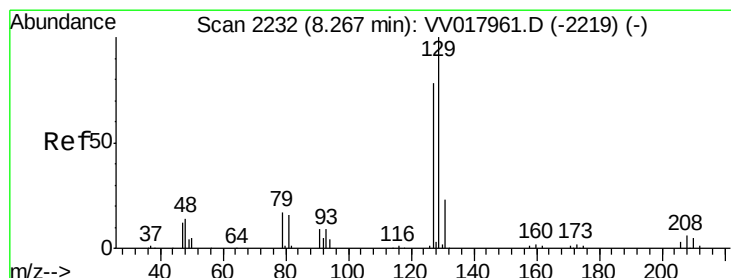
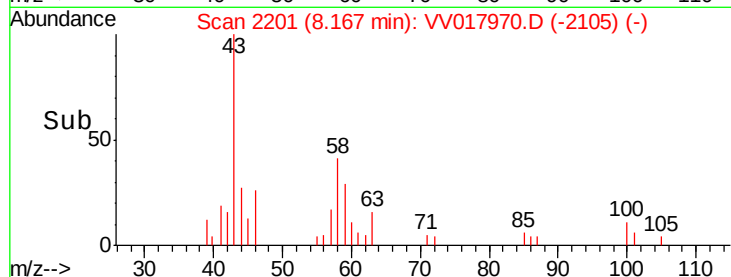
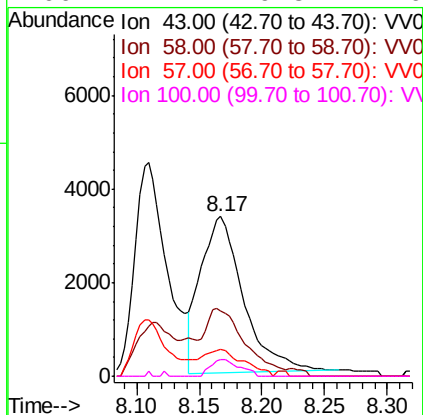
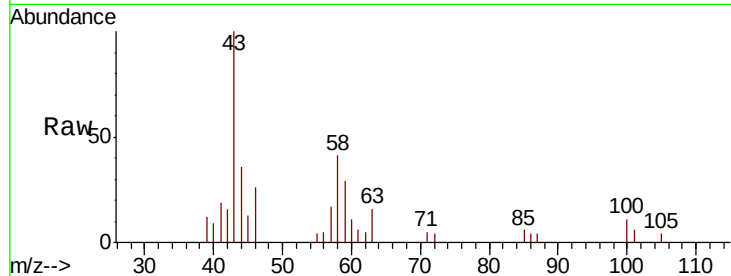




#48
2-Hexanone
Concen: 3.467 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

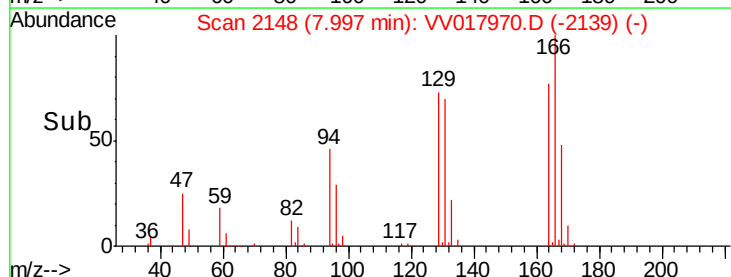
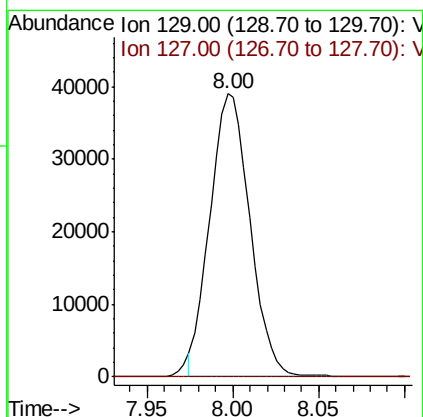
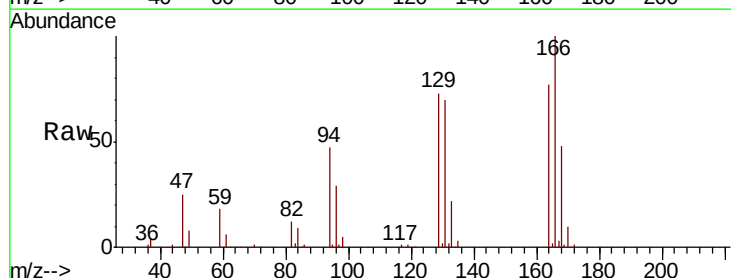
Instrument :
MSVOA_V
ClientSampleId :
F2L76DL

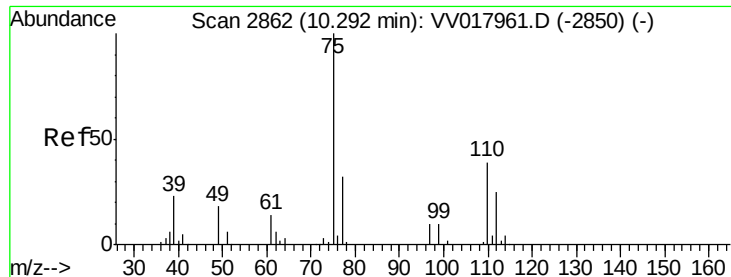
Tot Ion:	43	Resp:	7958
Ion	Ratio	Lower	Upper
43	100		
58	34.9	44.4	66.6#
57	5.1	15.2	22.8#
100	7.2	9.8	14.6#



#49
Dibromochloromethane
Concen: 31.877 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017970.D
Acq: 13 Aug 2020 14:36

Tgt Ion:	129	Resp:	62748
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#





#59
 1,2,3-Trichloropropane
 Concen: 5.528 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017970.D
 Acq: 13 Aug 2020 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76DL

Tot Ion: 75 Resp: 14868
 Ion Ratio Lower Upper
 75 100
 77 36.3 25.7 38.5

