

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017969.D
 Acq On : 13 Aug 2020 14:13
 Operator : SY/MD
 Sample : L3644-13DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L70DL

Quant Time: Aug 14 04:16:49 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	260468	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	122341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	84050	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.58%
7) Chloroethane-d5	1.58	69	73272	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.14%
11) 1,1-Dichloroethene-d2	2.12	63	129108	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	3.91	46	120134	92.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.29%
24) Chloroform-d	4.38	84	163812	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
26) 1,2-Dichloroethane-d4	5.06	65	113611	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
32) Benzene-d6	5.08	84	330652	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
36) 1,2-Dichloropropane-d6	6.10	67	108592	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.34	98	291558	45.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.64	79	46343	44.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.30%
47) 2-Hexanone-d5	8.11	63	61567	82.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	134073	44.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	120925	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%

Target Compounds

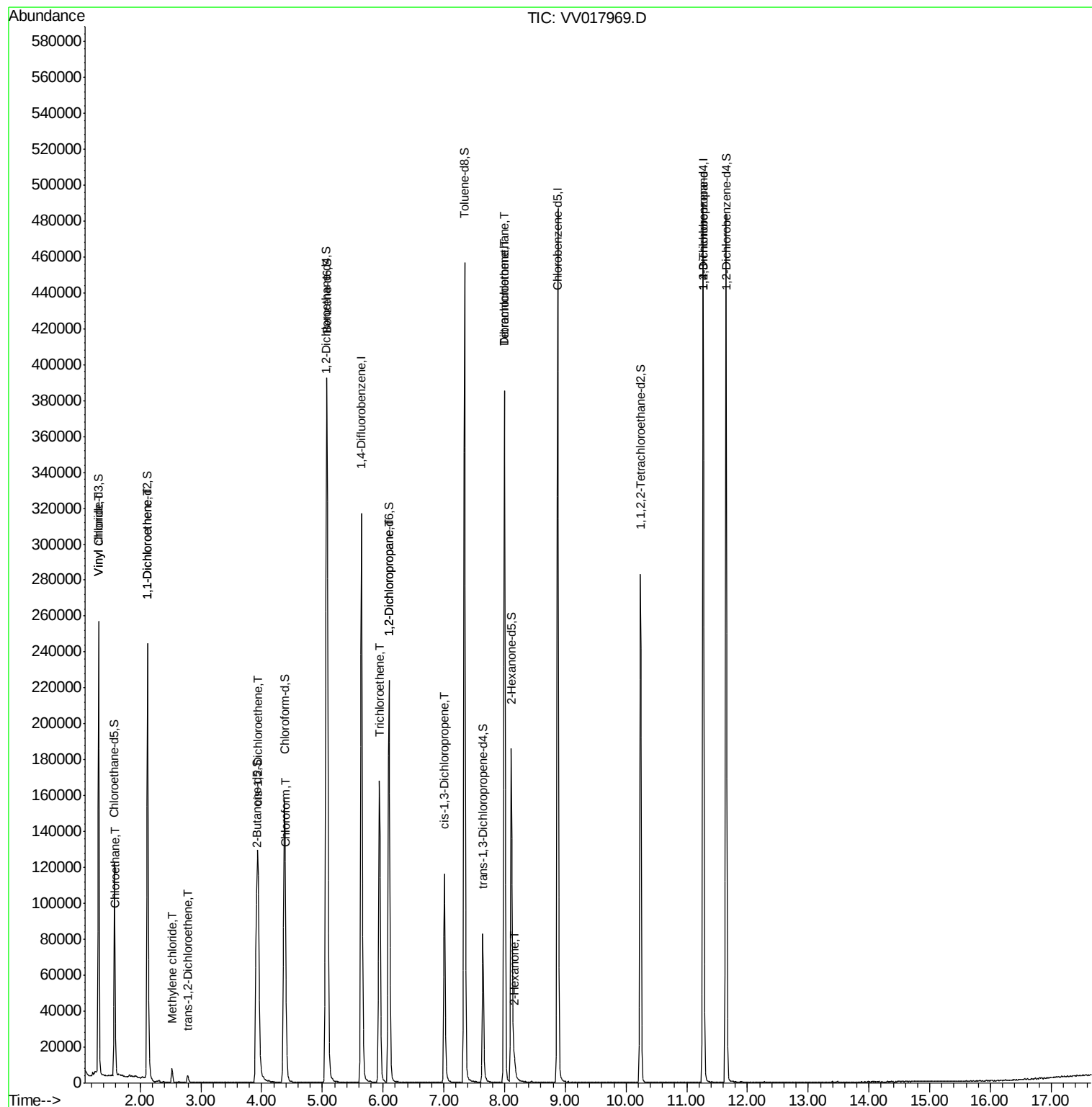
					Ovalue
5) Vinyl chloride	1.32	62	79562	34.377 ug/L	96
8) Chloroethane	1.60	64	7526	5.095 ug/L	94
12) 1,1-Dichloroethene	2.13	96	2473	1.415 ug/L #	1
16) Methylene chloride	2.52	84	2889	1.298 ug/L	87
17) trans-1,2-Dichloroethene	2.78	96	1576	0.877 ug/L	86
20) cis-1,2-Dichloroethene	3.94	96	55171	27.953 ug/L	99
25) Chloroform	4.40	83	3802	1.032 ug/L	78
34) Trichloroethene	5.94	95	56926	27.102 ug/L	98
37) 1,2-Dichloropropane	6.09	63	12219	5.639 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2885	0.939 ug/L #	73
46) Tetrachloroethene	8.00	164	86116	55.903 ug/L	98
48) 2-Hexanone	8.16	43	5921	2.592 ug/L #	84
49) Dibromochloromethane	8.00	129	78171	39.907 ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14691	5.489 ug/L	92

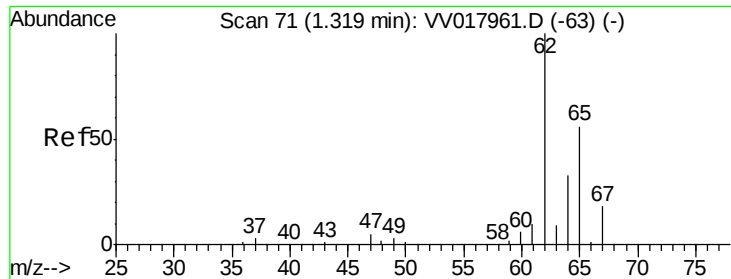
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 14 04:14:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 34.377 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017969.D

Acq: 13 Aug 2020 14:13

Instrument :

MSVOA_V

ClientSampleId :

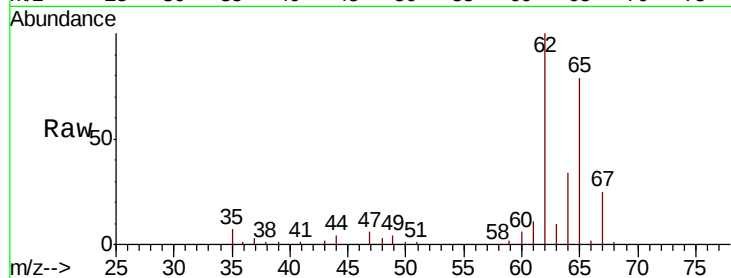
F2L70DL

Tot Ion: 62 Resp: 79562

Ion Ratio Lower Upper

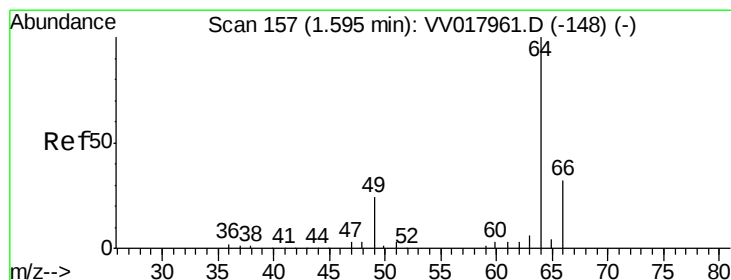
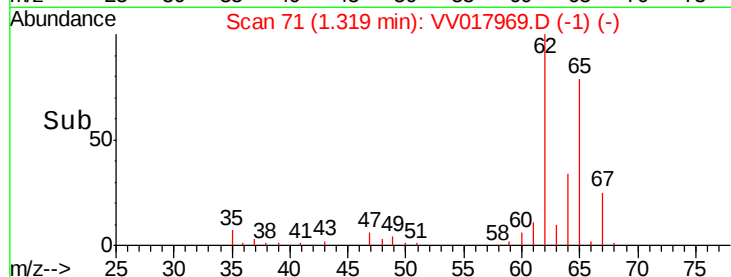
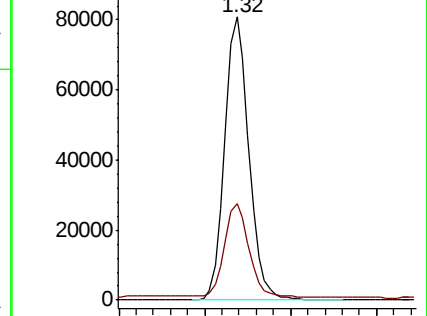
62 100

64 34.3 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: 5.095 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017969.D

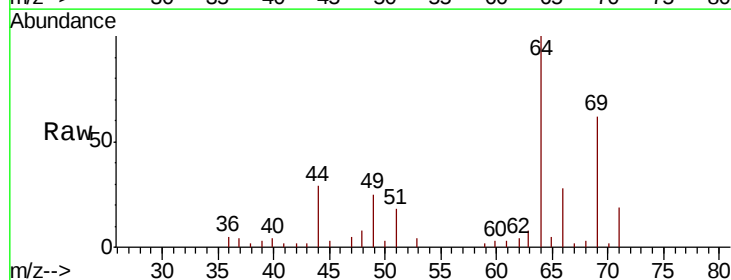
Acq: 13 Aug 2020 14:13

Tgt Ion: 64 Resp: 7526

Ion Ratio Lower Upper

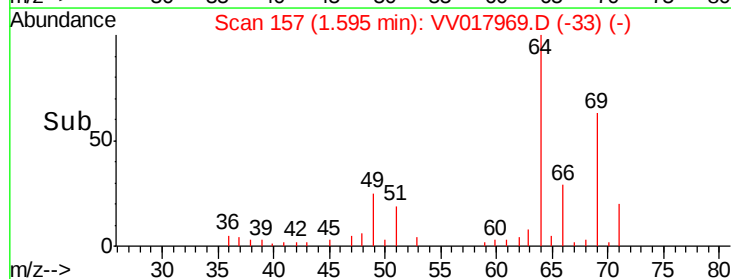
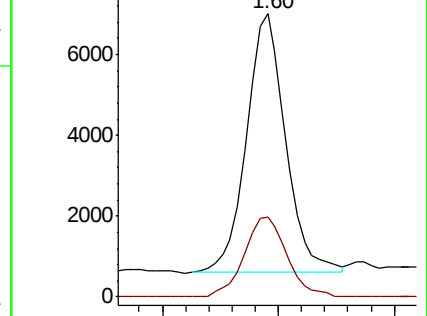
64 100

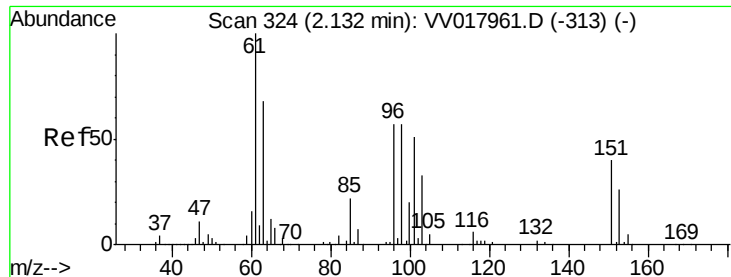
66 28.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 1.415 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017969.D

Acq: 13 Aug 2020 14:13

Instrument :

MSVOA_V

ClientSampleId :

F2L70DL

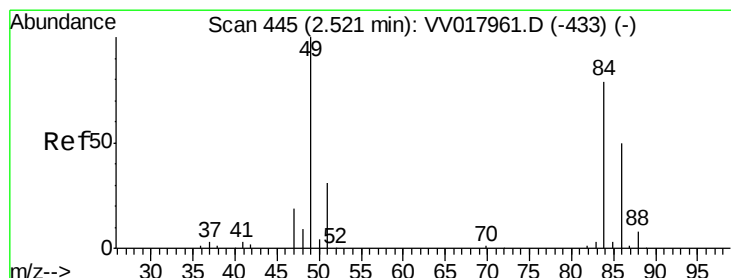
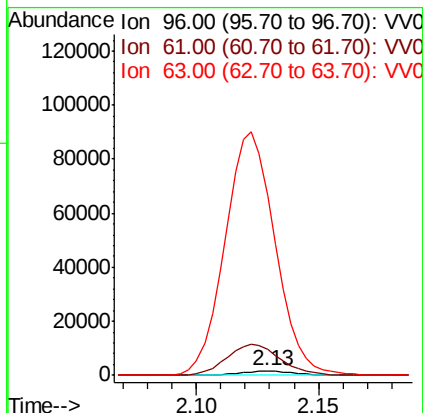
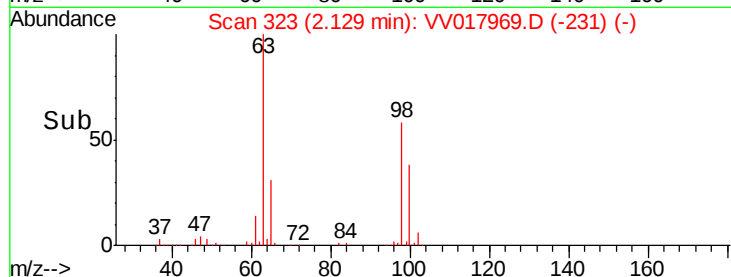
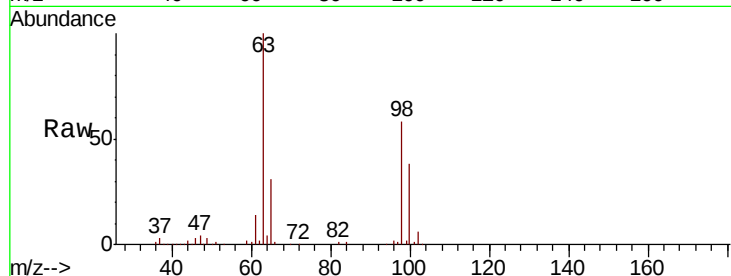
Tot Ion: 96 Resp: 2473

Ion Ratio Lower Upper

96 100

61 600.2 127.1 236.0#

63 4247.3 95.2 176.8#



#16

Methylene chloride

Concen: 1.298 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017969.D

Acq: 13 Aug 2020 14:13

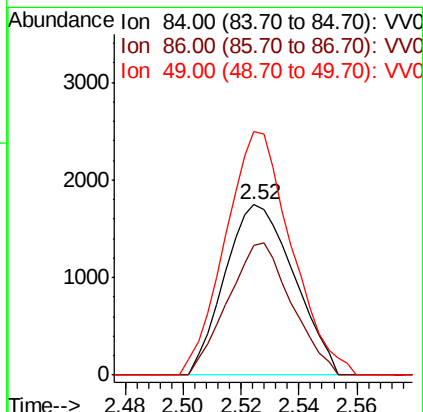
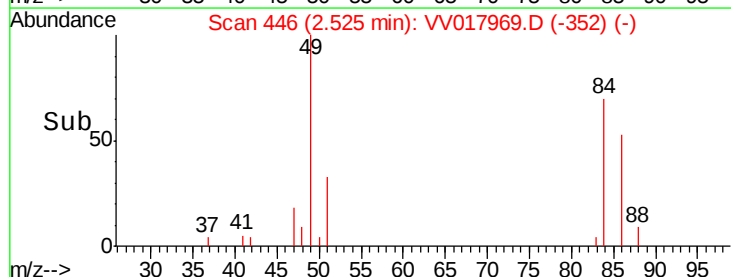
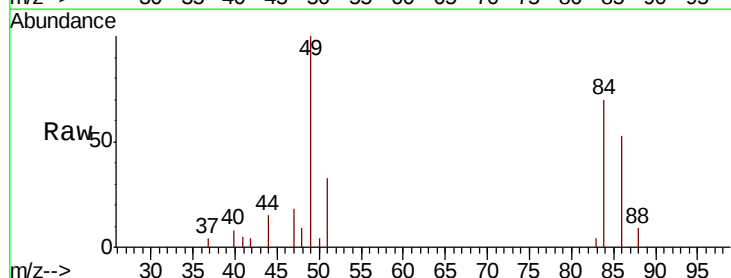
Tgt Ion: 84 Resp: 2889

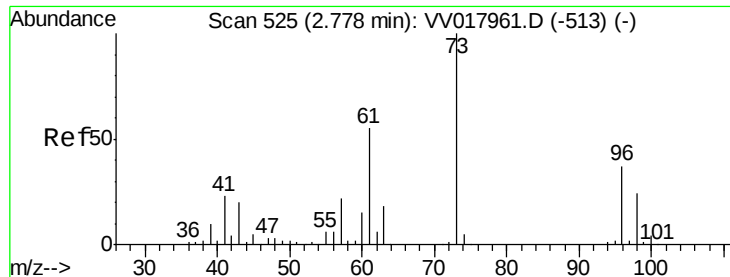
Ion Ratio Lower Upper

84 100

86 76.2 46.3 85.9

49 143.1 89.7 166.5

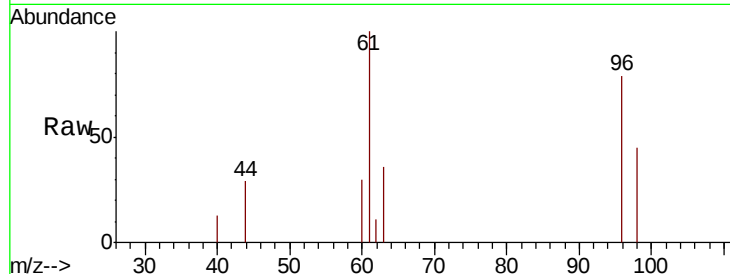




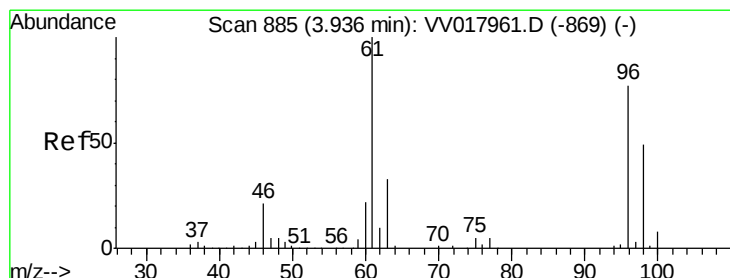
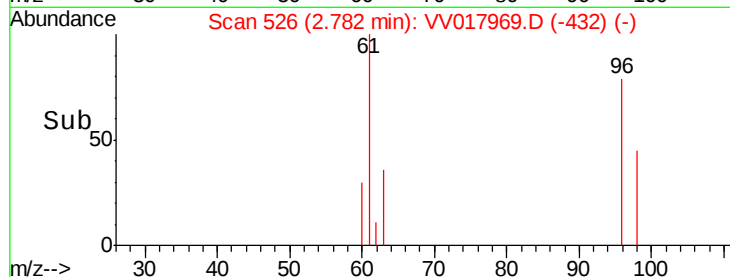
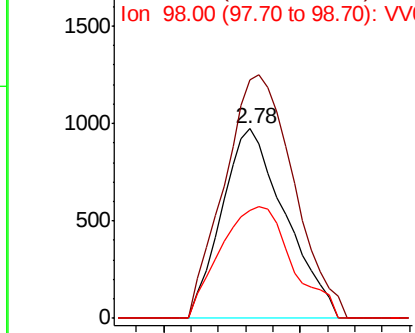
#17
trans-1,2-Dichloroethene
Concen: 0.877 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

Instrument :
MSVOA_V
ClientSampleId :
F2L70DL

Tot Ion: 96 Resp: 1576
Ion Ratio Lower Upper
96 100
61 125.9 102.4 190.2
98 56.8 44.4 82.5

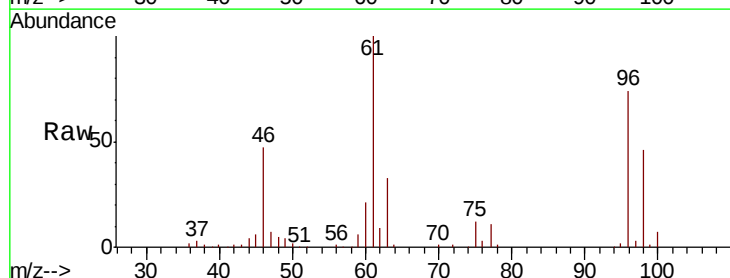


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

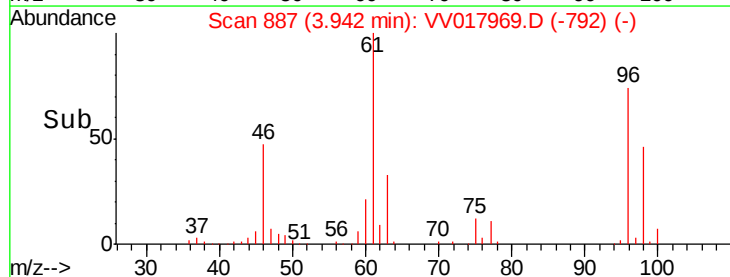
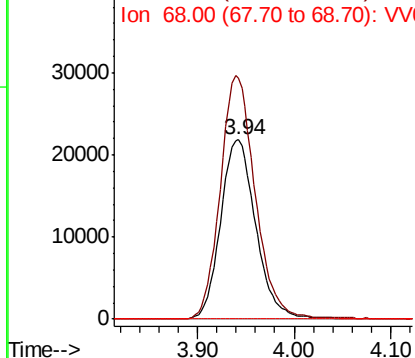


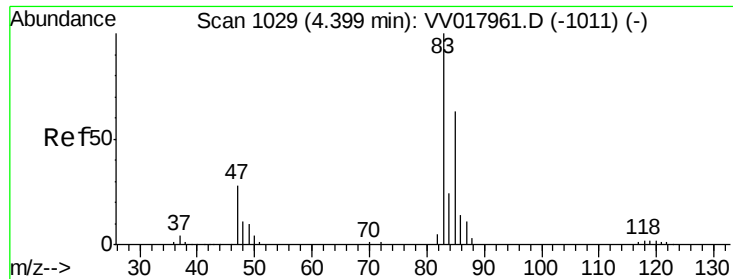
#20
cis-1,2-Dichloroethene
Concen: 27.953 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

Tgt Ion: 96 Resp: 55171
Ion Ratio Lower Upper
96 100
61 134.8 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

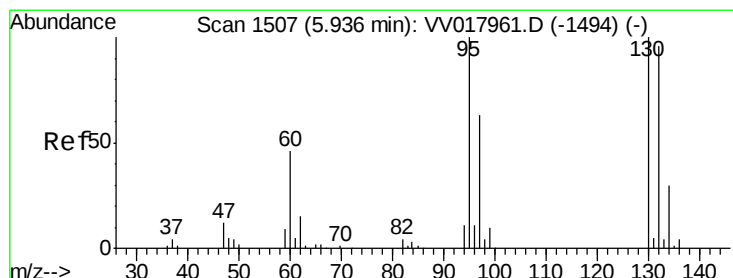
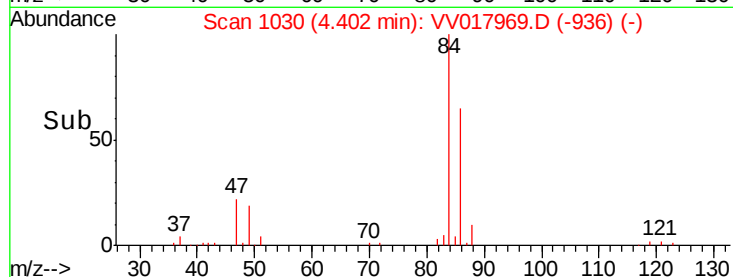
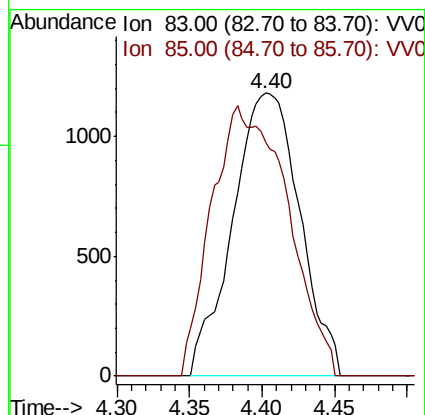
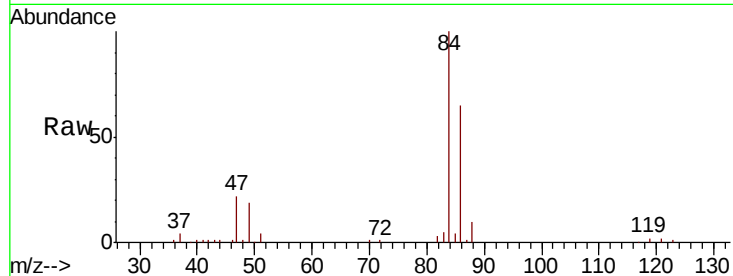




#25
Chloroform
Concen: 1.032 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

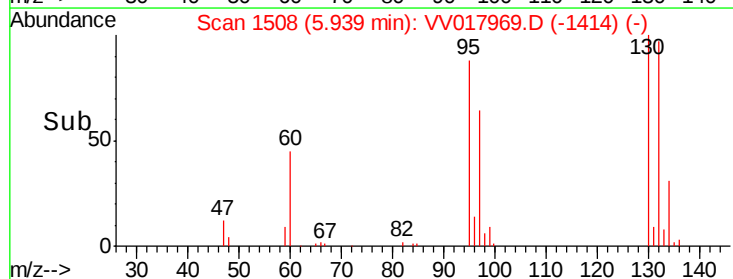
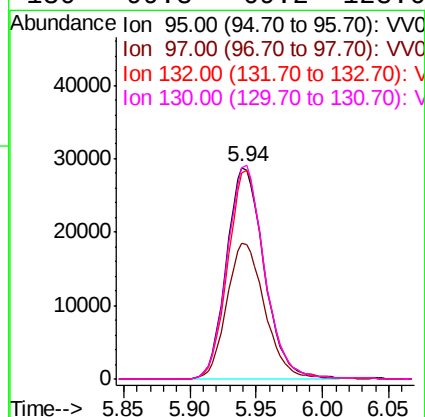
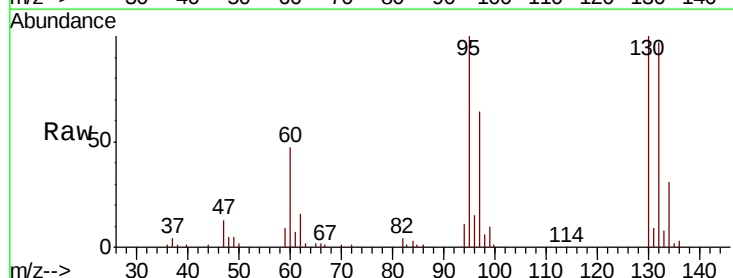
Instrument :
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ClientSampleId :
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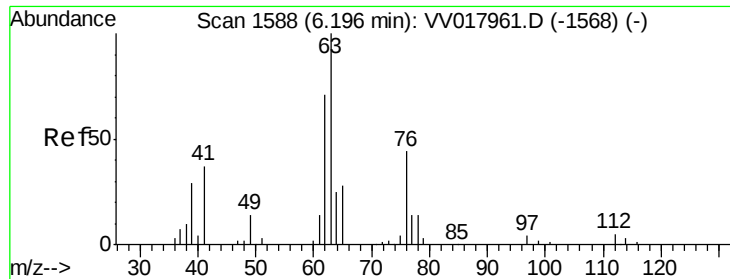
Tot Ion: 83 Resp: 3802
Ion Ratio Lower Upper
83 100
85 82.4 45.5 84.5



#34
Trichloroethene
Concen: 27.102 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

Tgt Ion: 95 Resp: 56926
Ion Ratio Lower Upper
95 100
97 64.1 46.0 85.4
132 97.1 65.8 122.2
130 99.8 69.2 128.6

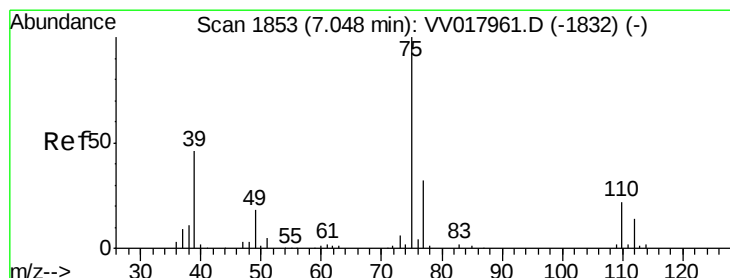
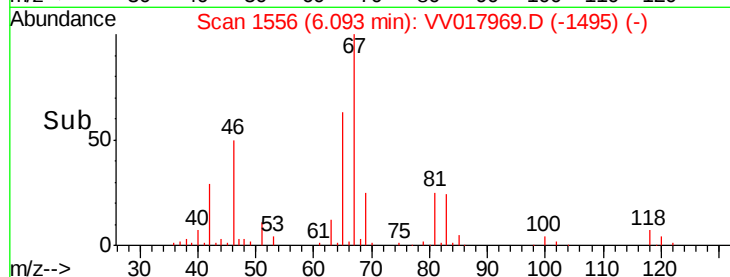
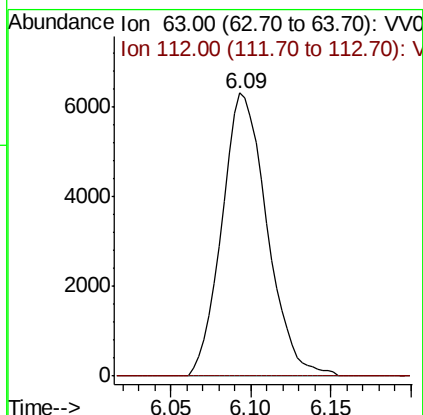
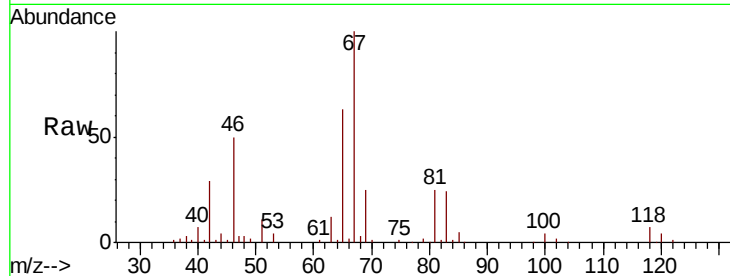




#37
 1,2-Dichloropropane
 Concen: 5.639 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017969.D
 Acq: 13 Aug 2020 14:13

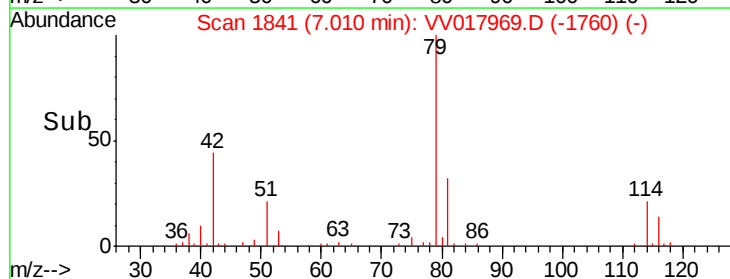
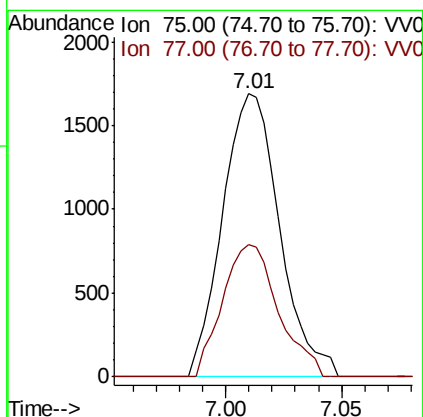
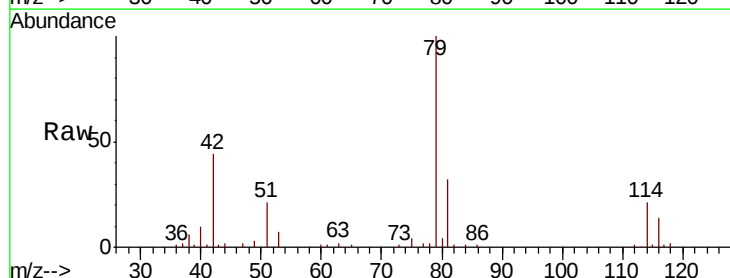
Instrument :
 MSVOA_V
 ClientSampled :
 F2L70DL

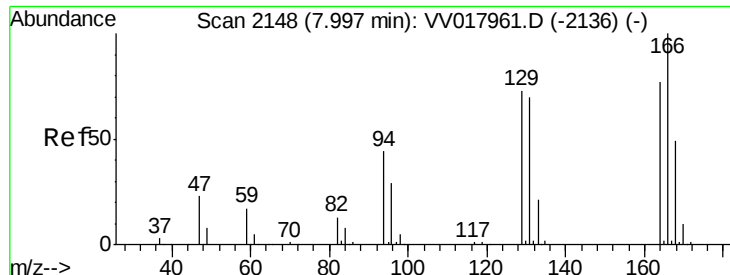
Tot Ion: 63 Resp: 12219
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.939 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017969.D
 Acq: 13 Aug 2020 14:13

Tgt Ion: 75 Resp: 2885
 Ion Ratio Lower Upper
 75 100
 77 46.7 22.3 41.5#

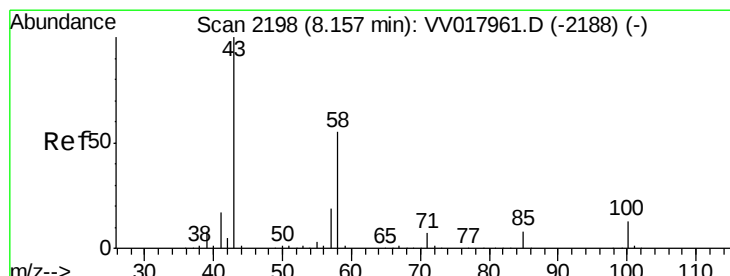
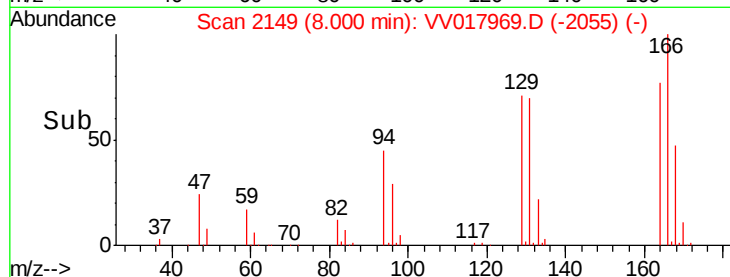
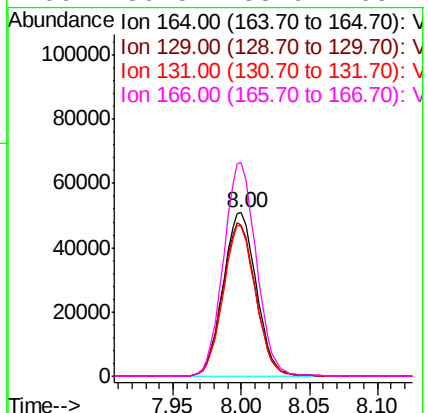
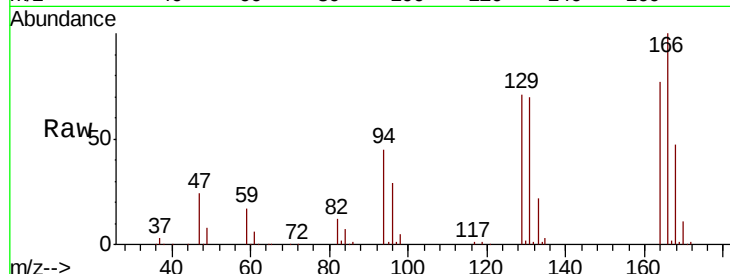




#46
Tetrachloroethene
Concen: 55.903 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

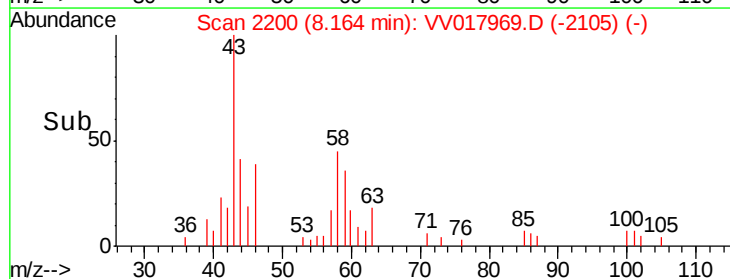
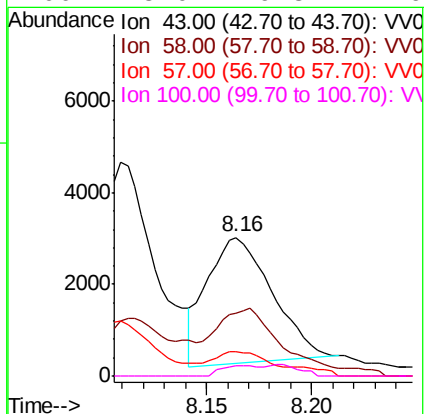
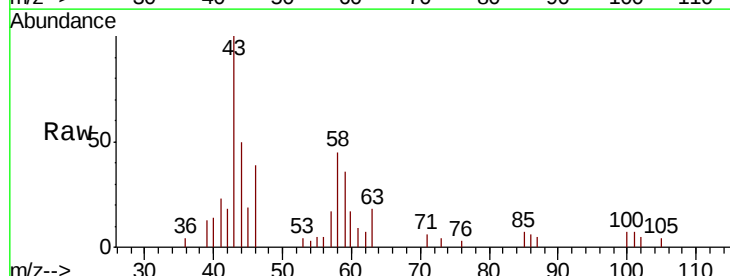
Instrument :
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ClientSampleId :
F2L70DL

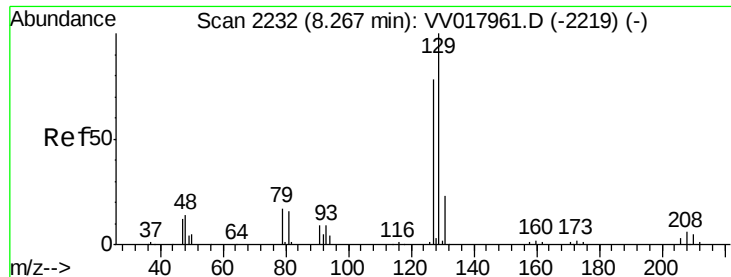
Tot Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.8	120.3
131	91.3	64.5	119.9
166	130.5	88.9	165.1



#48
2-Hexanone
Concen: 2.592 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017969.D
Acq: 13 Aug 2020 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.7	44.4	66.6
57	9.7	15.2	22.8#
100	5.0	9.8	14.6#

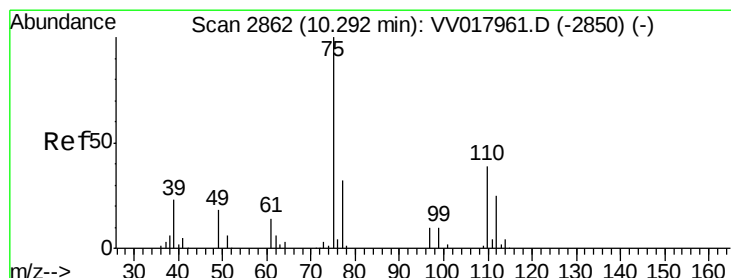
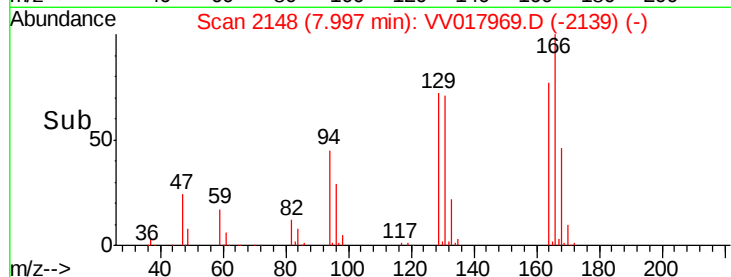
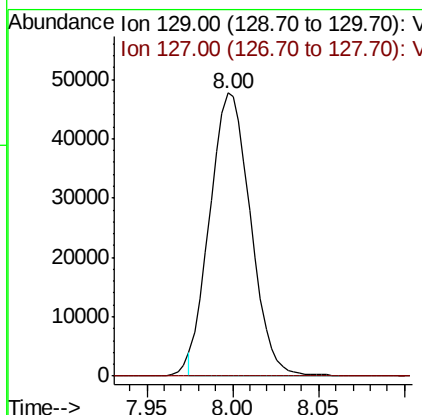
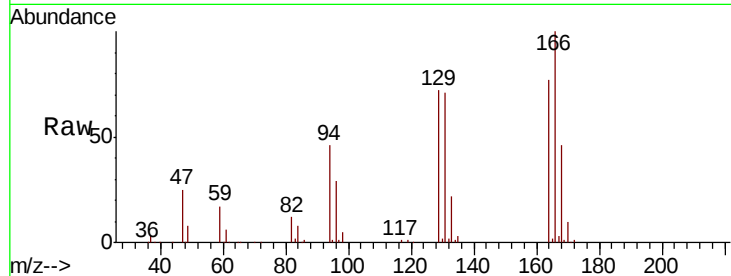




#49
 Dibromochloromethane
 Concen: 39.907 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV017969.D
 Acq: 13 Aug 2020 14:13

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L70DL

Tot Ion:129 Resp: 78171
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.9 101.9#



#59
 1,2,3-Trichloropropane
 Concen: 5.489 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017969.D
 Acq: 13 Aug 2020 14:13

Tgt Ion: 75 Resp: 14691
 Ion Ratio Lower Upper
 75 100
 77 36.7 25.7 38.5

