

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016319.D
 Acq On : 29 May 2020 16:46
 Operator : SY/MD
 Sample : L2662-03DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:03:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:00:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	96706	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	88978	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40028	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27201	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	22064	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.12	63	39003	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.96	46	78529	50.97	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.94%
24) Chloroform-d	4.38	84	55728	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	30726	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.07	84	110993	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.10	67	33666	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	100770	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.65	79	11205	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
48) 2-Hexanone-d5	8.12	63	62981	54.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.06%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24409	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	33685	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

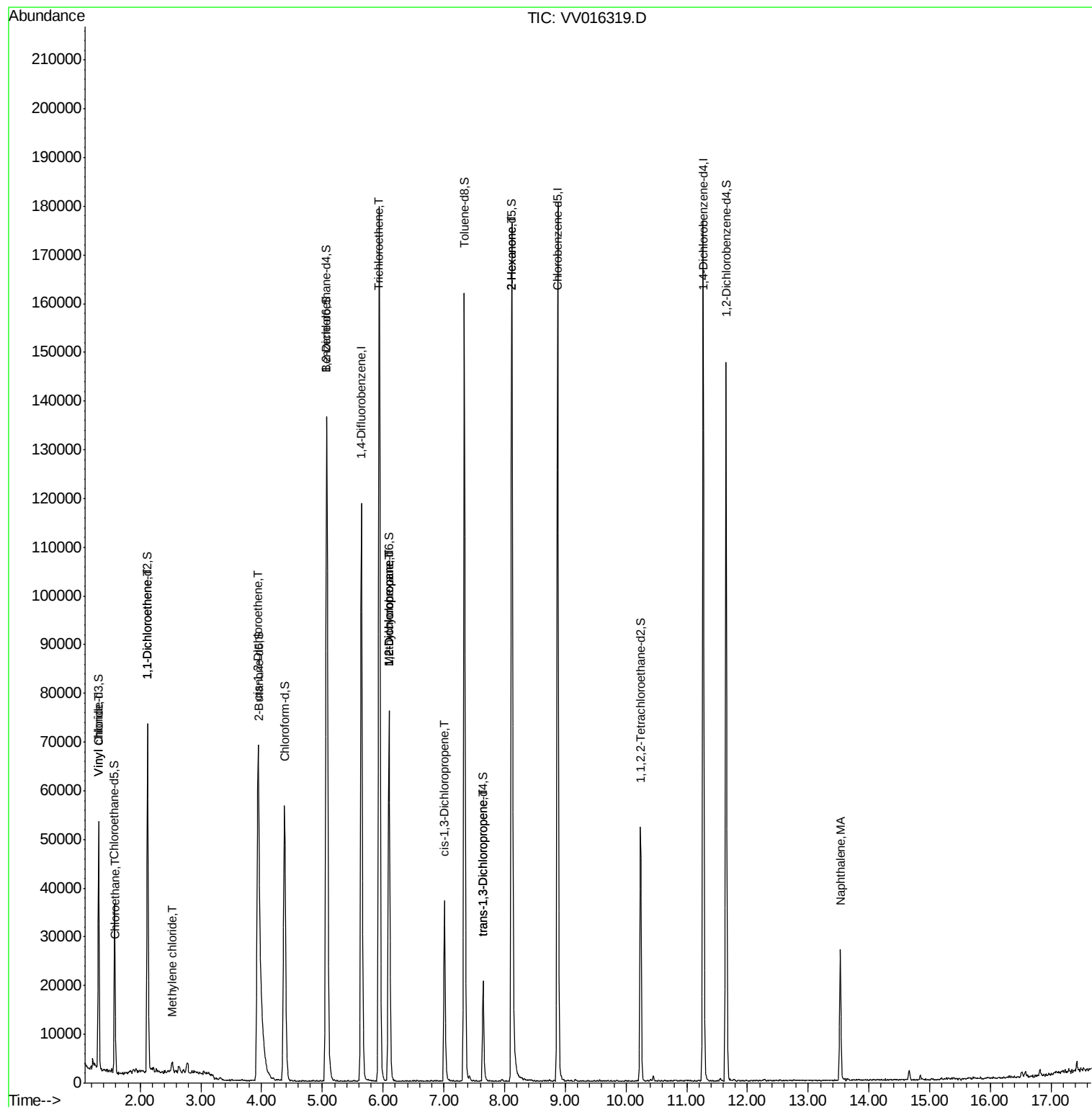
					Ovalue
5) Vinyl chloride	1.32	62	3928	0.464 ug/L #	76
8) Chloroethane	1.60	64	482	0.102 ug/L	98
12) 1,1-Dichloroethene	2.13	96	627	0.110 ug/L #	1
16) Methylene chloride	2.52	84	1020	0.156 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	25926	3.512 ug/L	99
34) Trichloroethene	5.94	95	62229	9.329 ug/L	98
35) Methylcyclohexane	6.10	83	8615	0.766 ug/L #	20
37) 1,2-Dichloropropane	6.10	63	4135	0.658 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	923	0.104 ug/L #	38
46) trans-1,3-Dichloropropene	7.64	75	536	0.073 ug/L #	72
50) 2-Hexanone	8.12	43	8525	3.129 ug/L #	72
70) Naphthalene	13.53	128	20237	1.220 ug/L	98

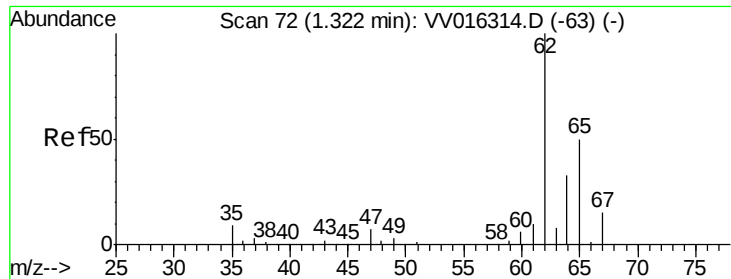
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:00:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.464 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016319.D

Acq: 29 May 2020 16:46

Instrument :

MSVOA_V

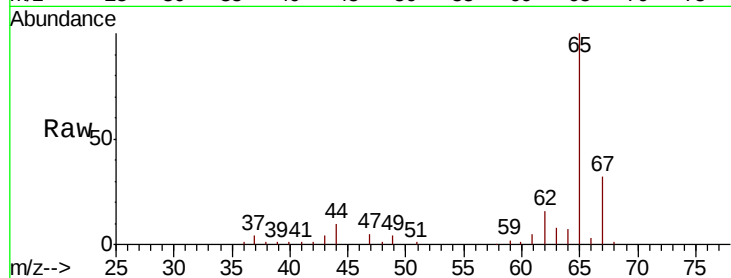
ClientSampleId :

Tot Ion: 62 Resp: 3928

Ion Ratio Lower Upper

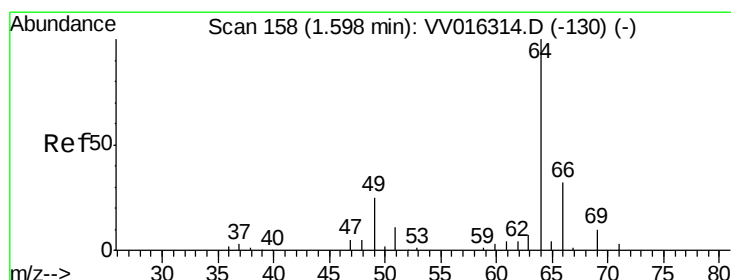
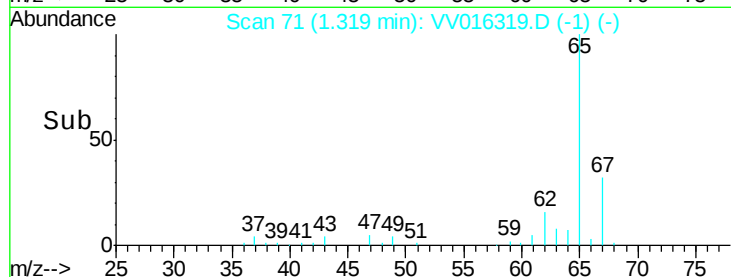
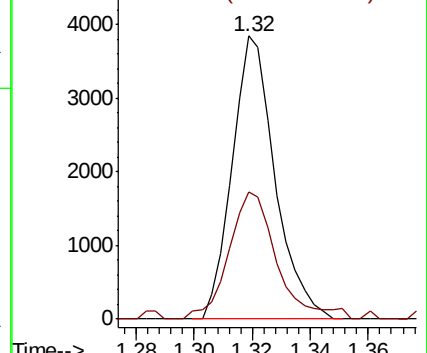
62 100

64 44.9 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016319.D

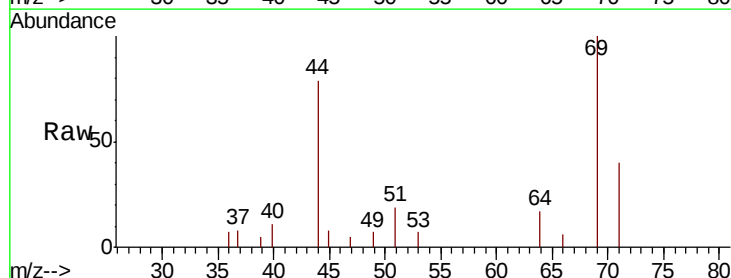
Acq: 29 May 2020 16:46

Tgt Ion: 64 Resp: 482

Ion Ratio Lower Upper

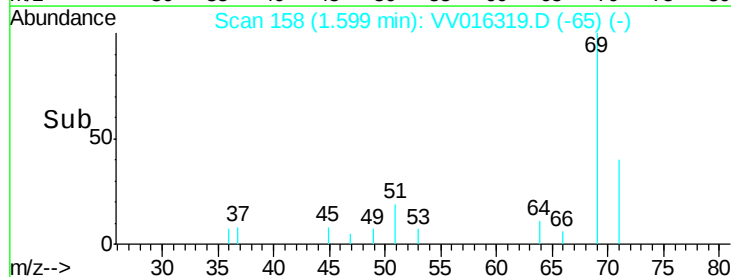
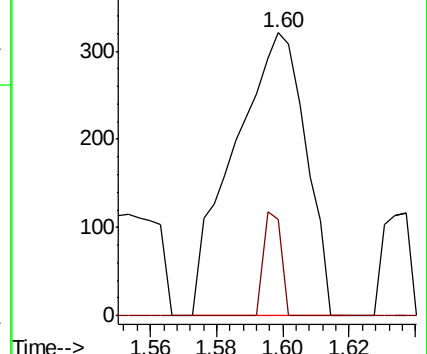
64 100

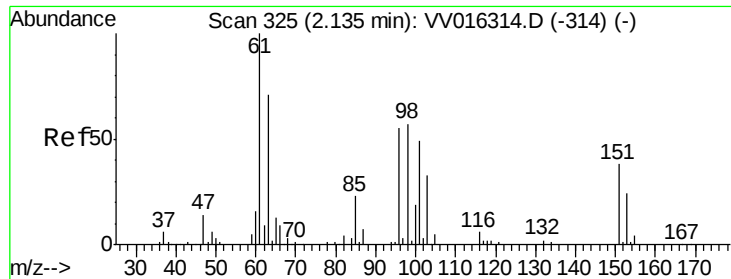
66 34.0 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016319.D

Acq: 29 May 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :

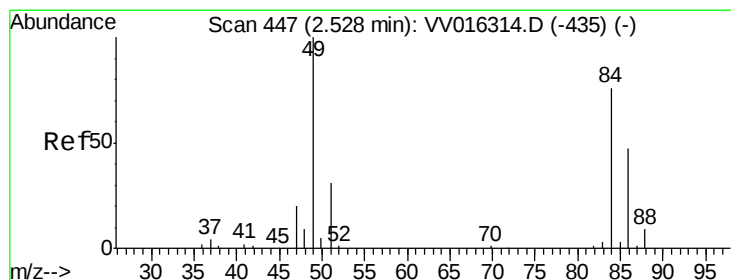
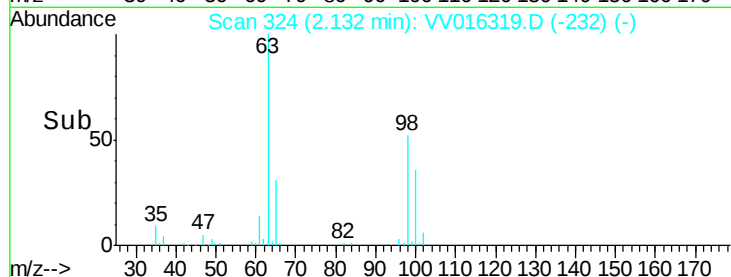
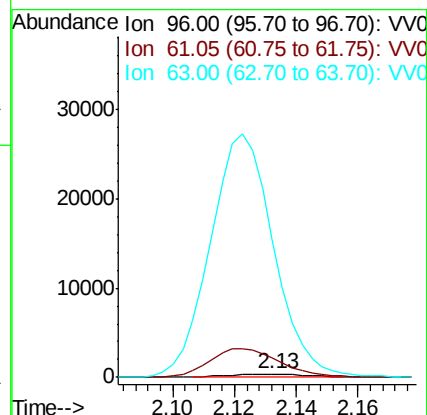
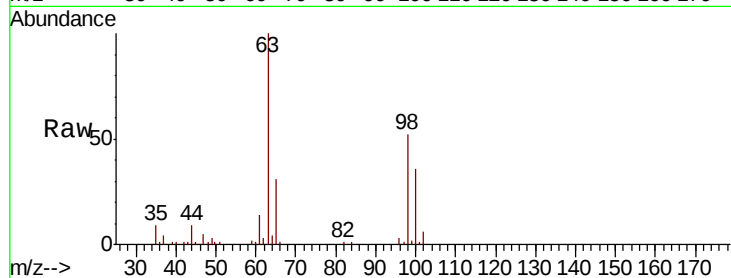
Tot Ion: 96 Resp: 627

Ion Ratio Lower Upper

96 100

61 545.8 124.9 231.9#

63 3944.3 80.4 149.2#



#16

Methylene chloride

Concen: 0.156 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.01 min

Lab File: VV016319.D

Acq: 29 May 2020 16:46

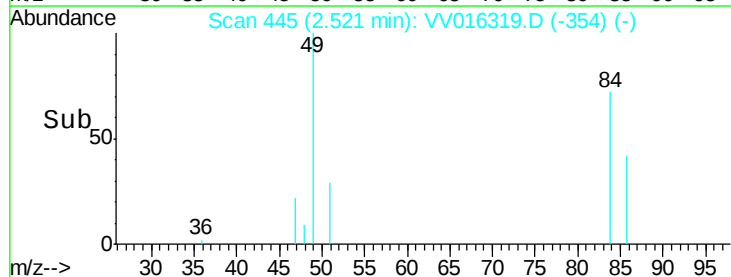
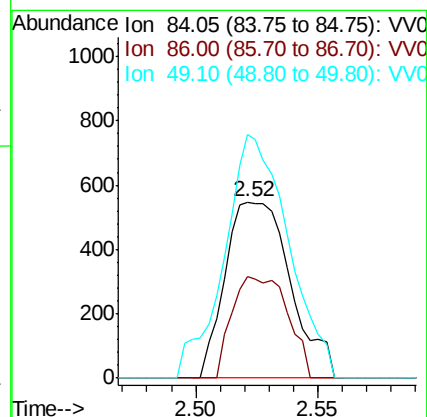
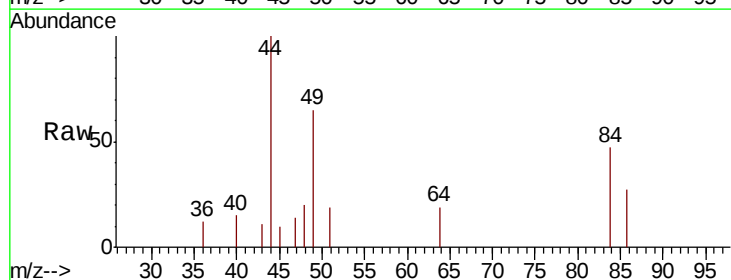
Tgt Ion: 84 Resp: 1020

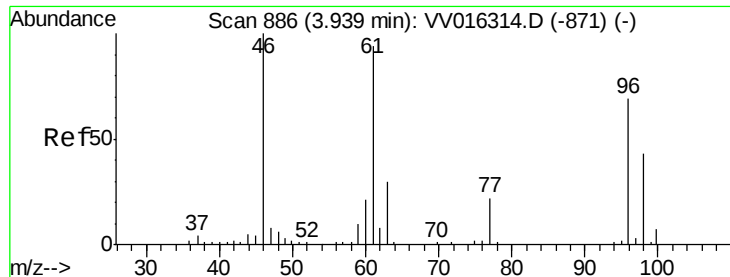
Ion Ratio Lower Upper

84 100

86 57.5 44.9 83.5

49 138.1 96.7 179.7



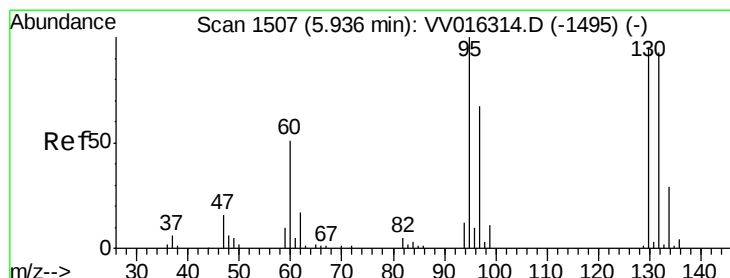
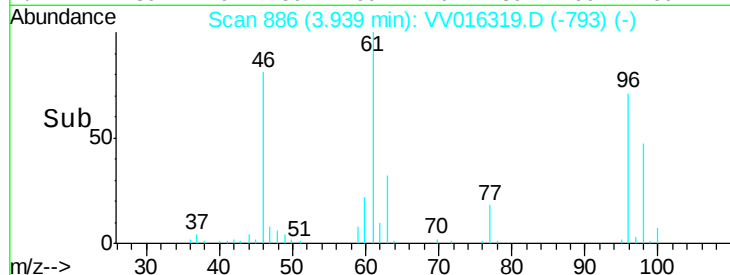
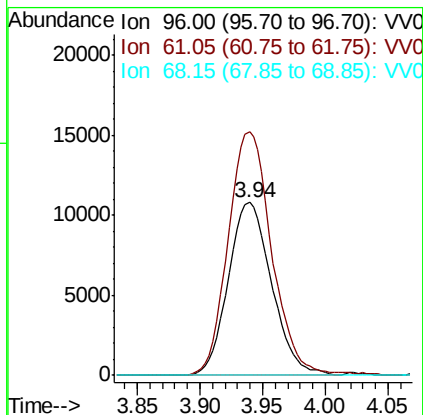
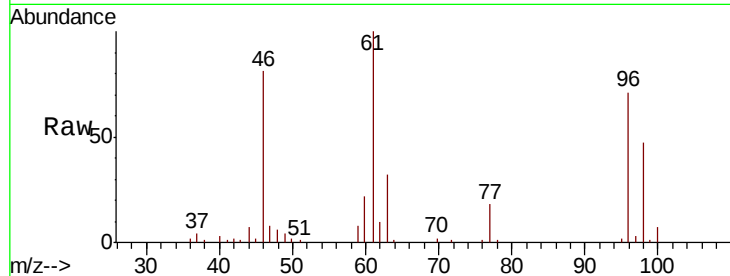


#22

cis-1,2-Dichloroethene
Concen: 3.512 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :

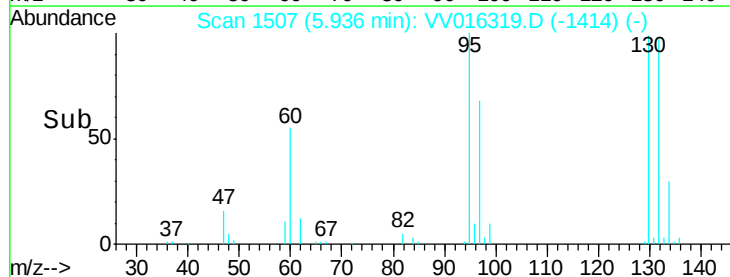
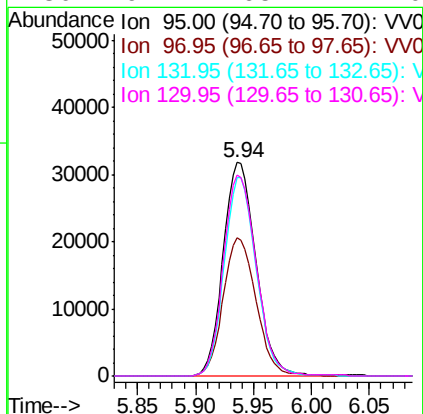
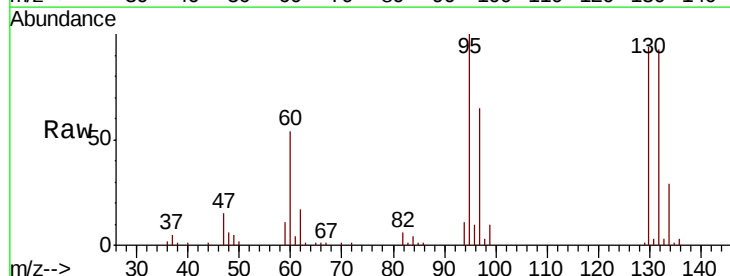
Tot Ion: 96 Resp: 25926
Ion Ratio Lower Upper
96 100
61 140.7 99.7 185.1
68 0.0 0.0 0.0

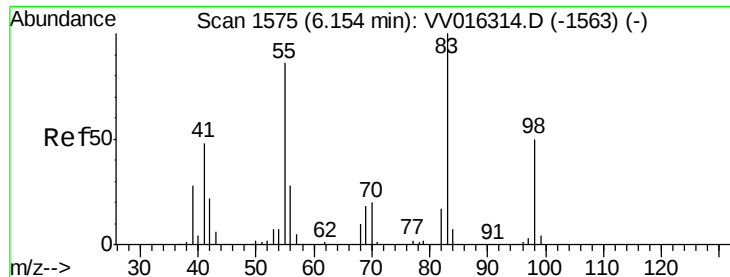


#34

Trichloroethene
Concen: 9.329 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

Tgt Ion: 95 Resp: 62229
Ion Ratio Lower Upper
95 100
97 64.6 43.6 81.0
132 92.6 63.9 118.7
130 94.1 65.2 121.0

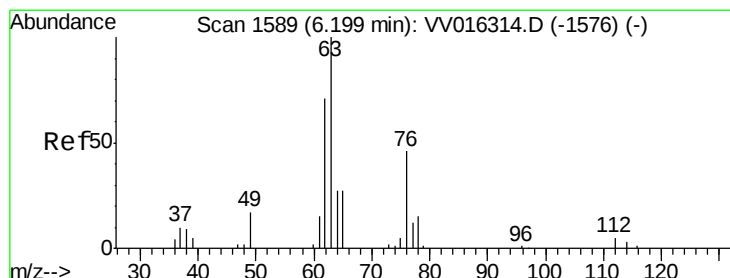
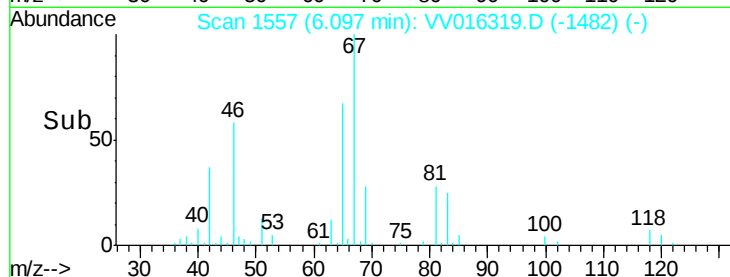
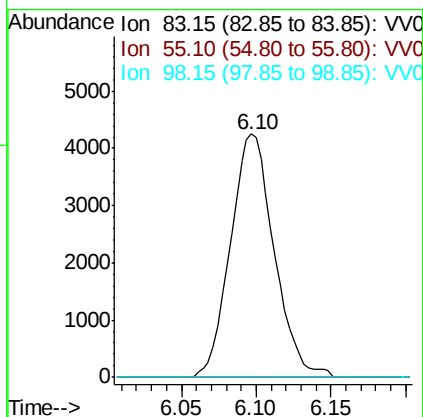
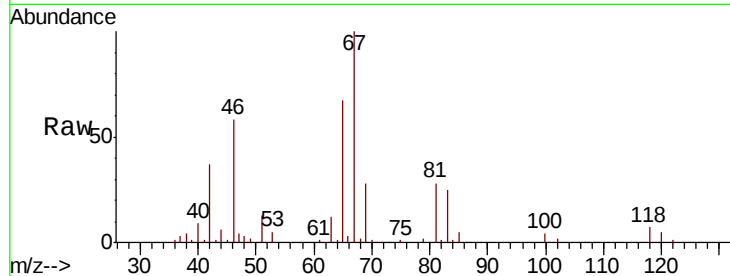




#35
Methvlcvclohexane
Concen: 0.766 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

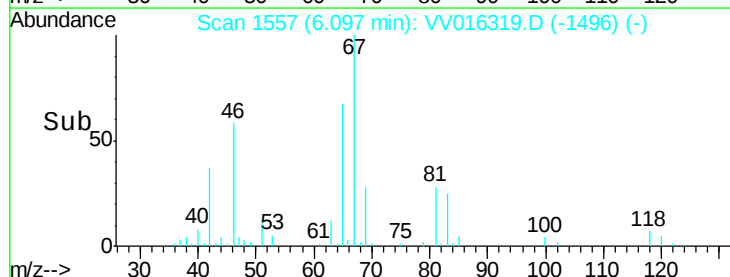
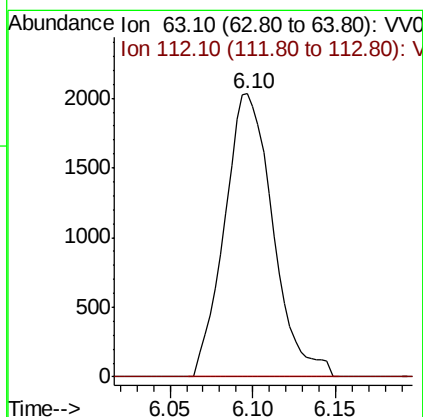
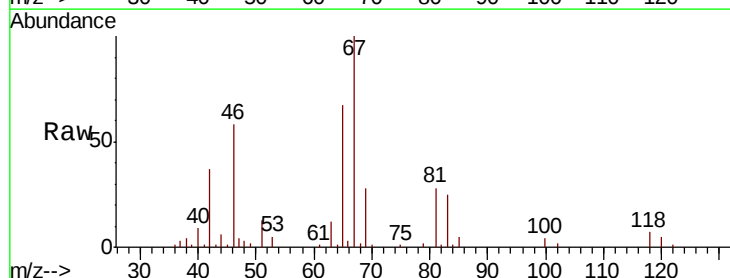
Instrument :
MSVOA_V
ClientSampled :

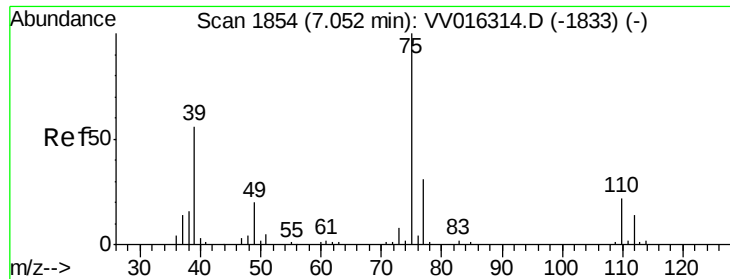
Tot Ion: 83 Resp: 8615
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 6.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

Tgt Ion: 63 Resp: 4135
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

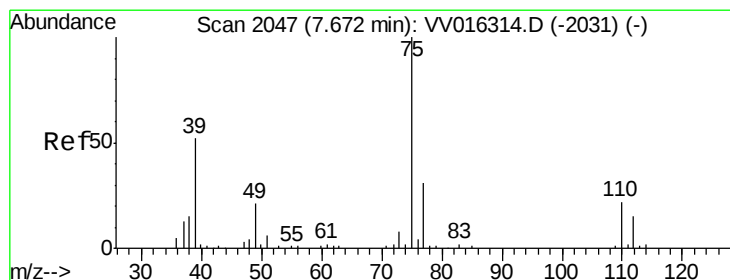
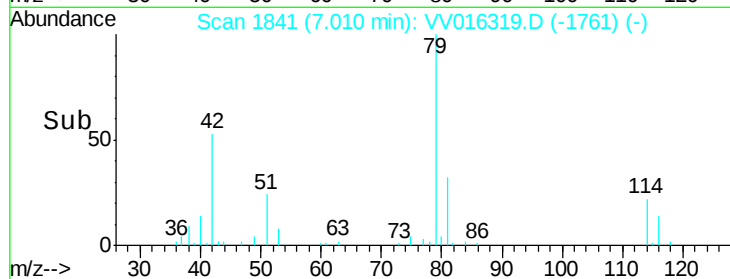
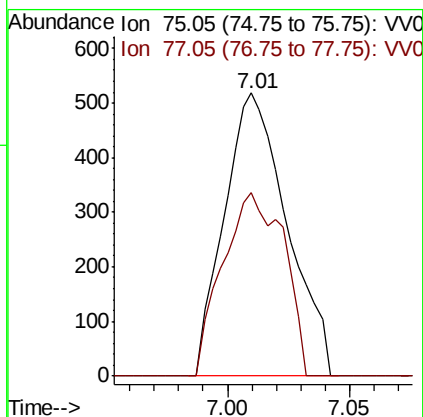
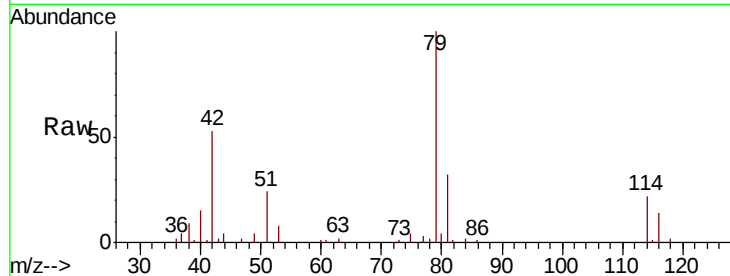




#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016319.D
 Acq: 29 May 2020 16:46

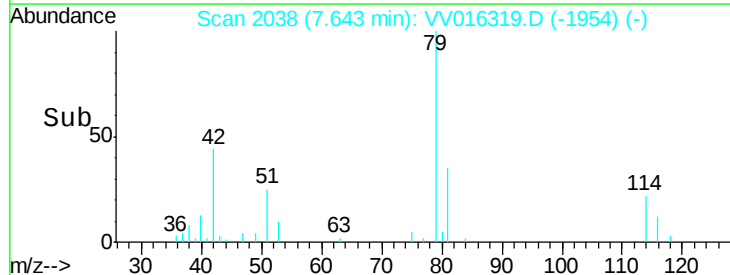
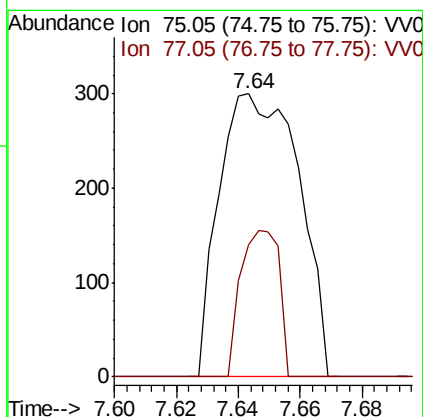
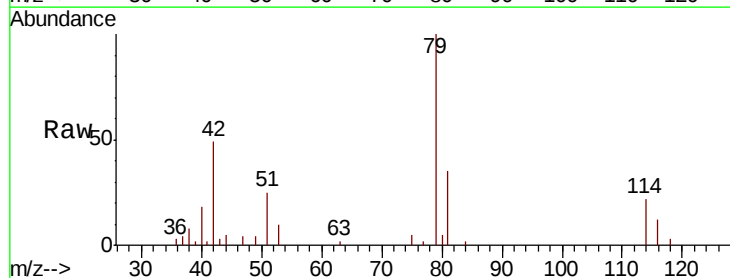
Instrument :
 MSVOA_V
 ClientSampled :

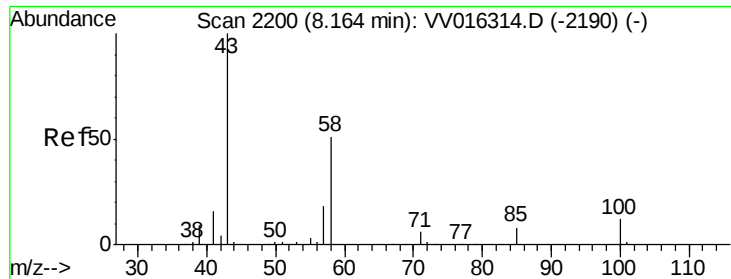
Tot Ion: 75 Resp: 923
 Ion Ratio Lower Upper
 75 100
 77 65.1 21.7 40.3#



#46
 trans-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV016319.D
 Acq: 29 May 2020 16:46

Tgt Ion: 75 Resp: 536
 Ion Ratio Lower Upper
 75 100
 77 46.7 21.7 40.3#

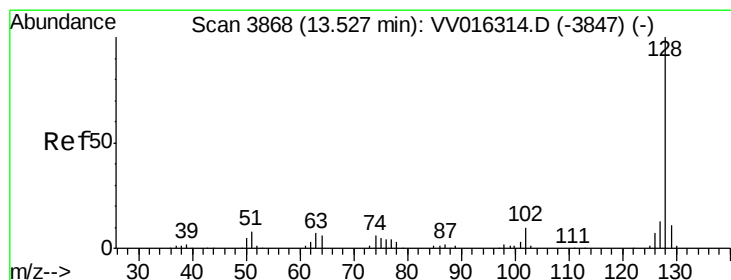
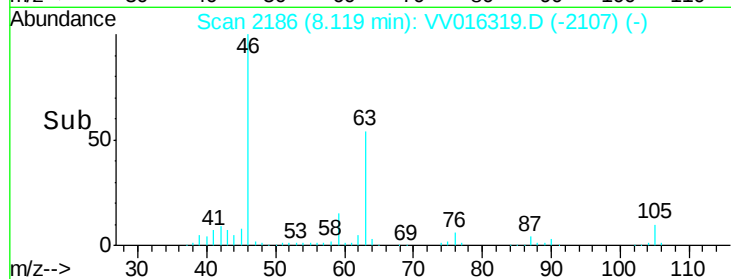
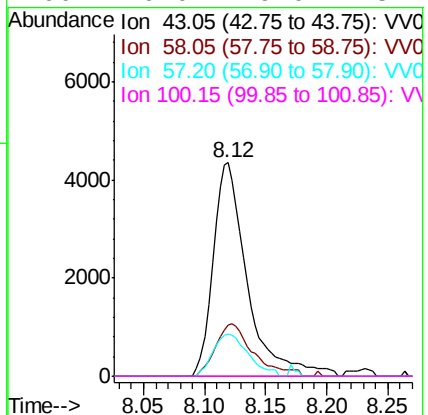
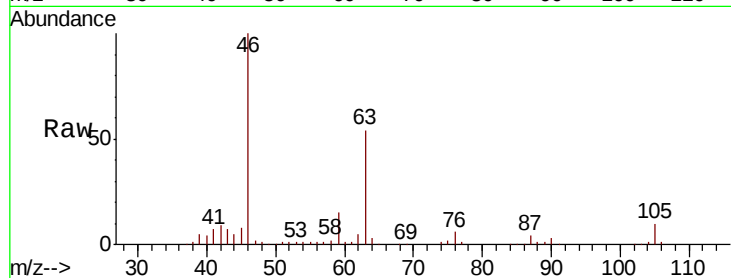




#50
2-Hexanone
Concen: 3.129 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.04 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8525
Ion Ratio Lower Upper
43 100
58 26.0 41.4 62.0#
57 20.4 15.0 22.4
100 0.0 9.0 13.4#



#70
Naphthalene
Concen: 1.220 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016319.D
Acq: 29 May 2020 16:46

Tgt Ion: 128 Resp: 20237
Ion Ratio Lower Upper
128 100
129 9.9 8.6 13.0
127 12.6 10.6 15.8

