

Data File : VV016317.D
Acq On : 29 May 2020 15:56
Operator : SY/MD
Sample : L2662-01DL 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9B03DL

Quant Time: Jun 10 17:07:50 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	128566	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120437	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	57045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33553	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.58	69	25965	3.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.60%
11) 1,1-Dichloroethene-d2	2.12	63	45226	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	3.95	46	100055	48.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.70%
24) Chloroform-d	4.38	84	63830	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
26) 1,2-Dichloroethane-d4	5.06	65	37638	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.07	84	136686	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.10	67	42138	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.34	98	122897	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	7.65	79	14946	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
48) 2-Hexanone-d5	8.13	63	80782	51.20	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30030	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	45156	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

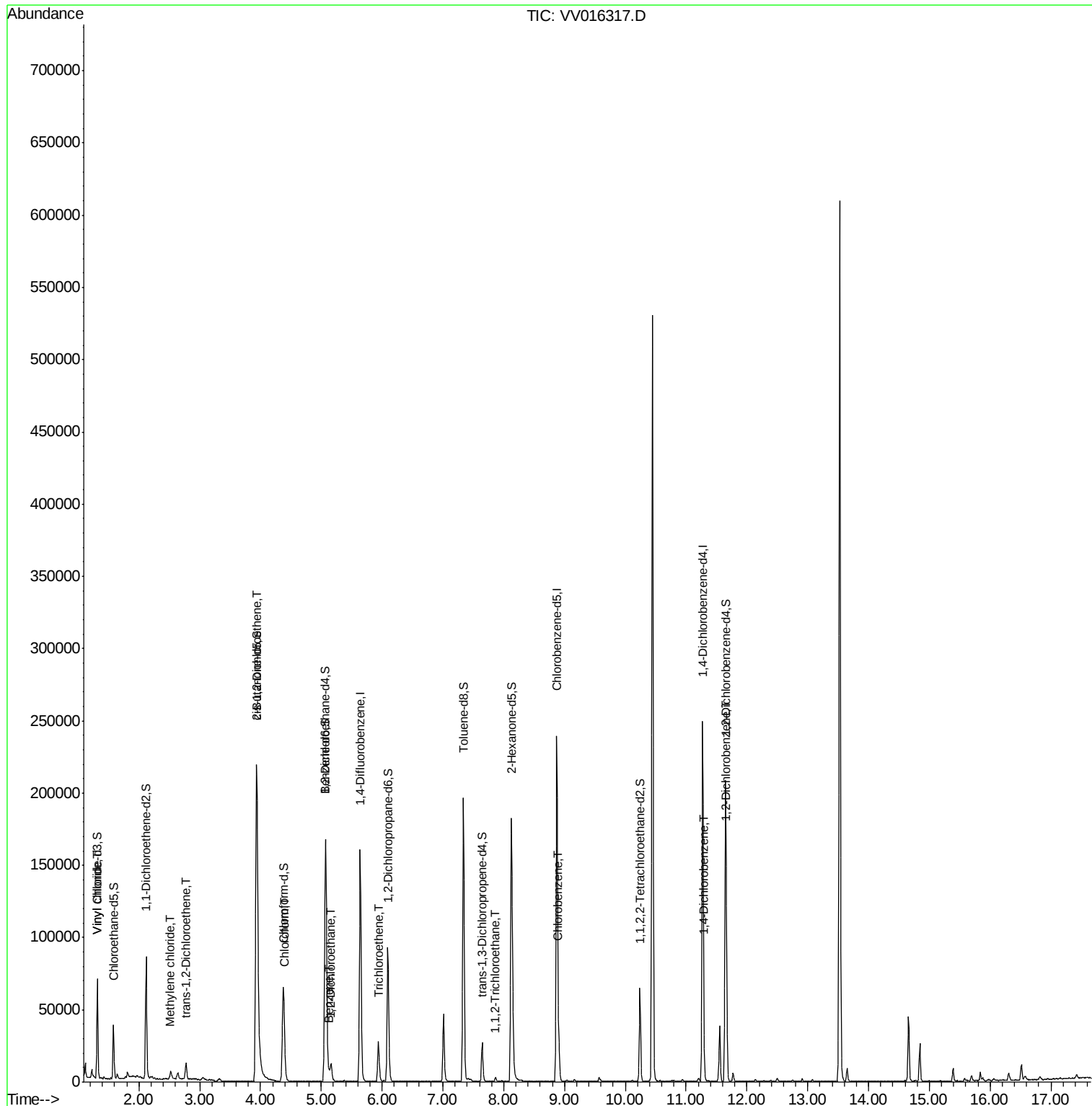
					Qvalue
5) Vinyl chloride	1.32	62	4613	0.410 ug/L #	79
16) Methylene chloride	2.52	84	2159	0.248 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	3496	0.421 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	101081	10.299 ug/L	96
25) Chloroform	4.40	83	3980	0.239 ug/L	90
27) 1,2-Dichloroethane	5.16	62	11121	1.020 ug/L #	96
33) Benzene	5.13	78	6379	0.184 ug/L	100
34) Trichloroethene	5.94	95	9375	1.038 ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	937	0.168 ug/L	88
53) Chlorobenzene	8.90	112	13804	0.591 ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	3717	0.210 ug/L	94
66) 1,2-Dichlorobenzene	11.67	146	18239	1.159 ug/L	99

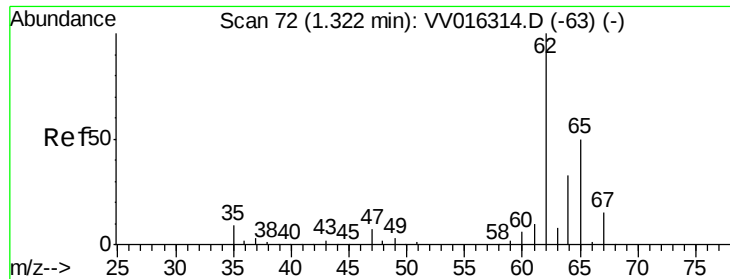
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.410 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

Instrument :

MSVOA_V

ClientSampleID :

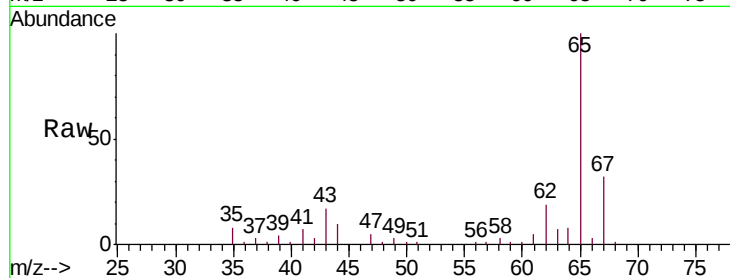
F9B03DL

Tgt Ion: 62 Resp: 4613

Ion Ratio Lower Upper

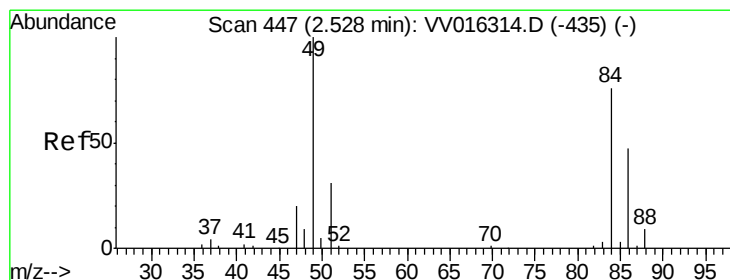
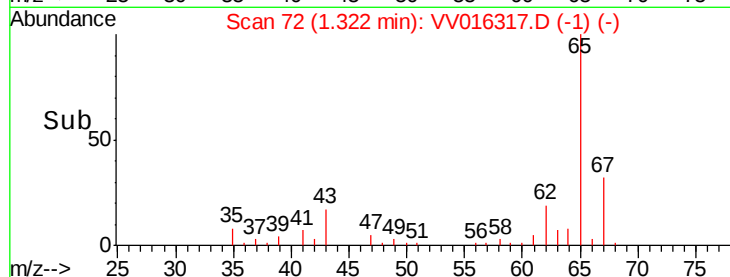
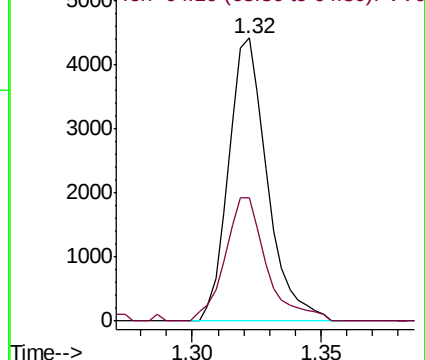
62 100

64 43.5 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#16

Methylene chloride

Concen: 0.248 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

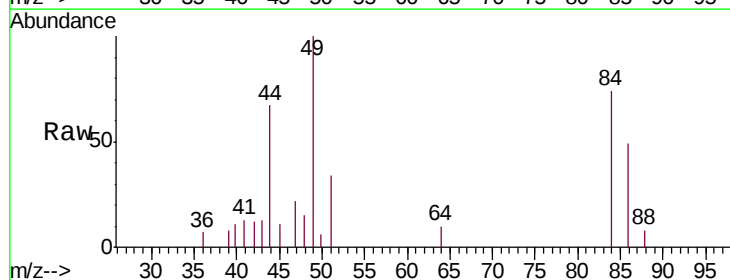
Tgt Ion: 84 Resp: 2159

Ion Ratio Lower Upper

84 100

86 66.7 44.9 83.5

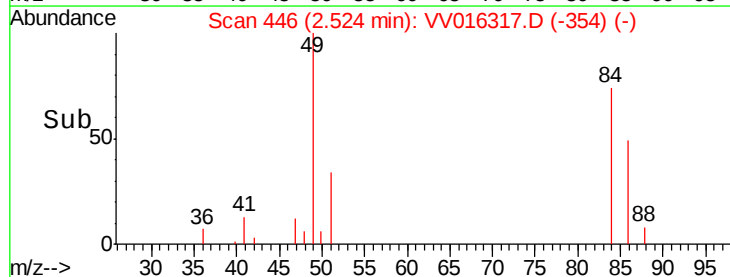
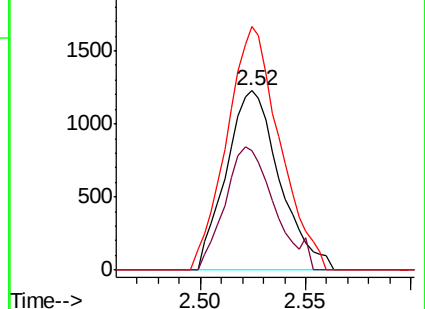
49 135.7 96.7 179.7

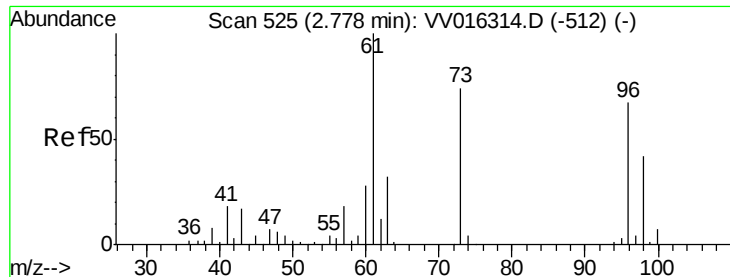


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

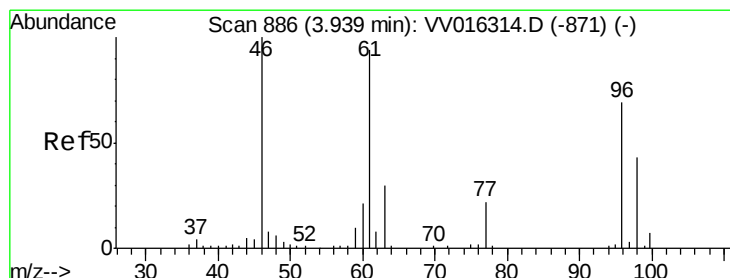
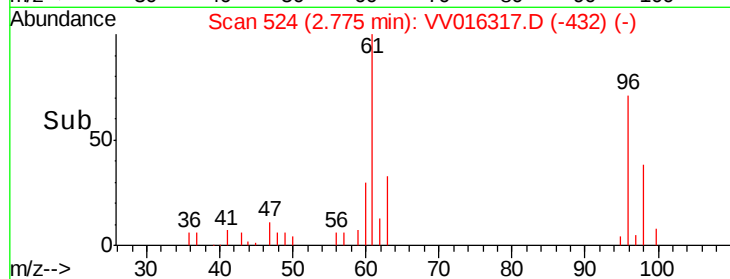
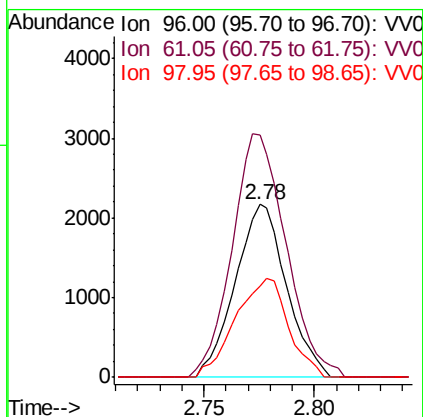
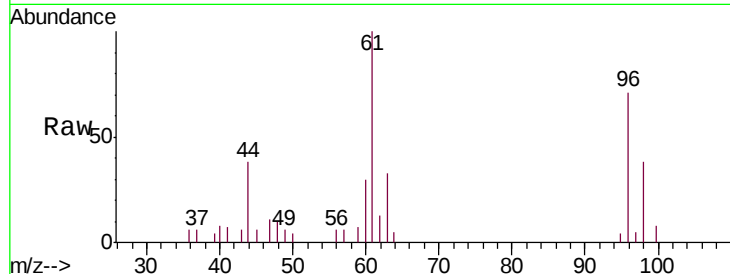




#18
trans-1,2-Dichloroethene
Concen: 0.421 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016317.D
Acq: 29 May 2020 15:56

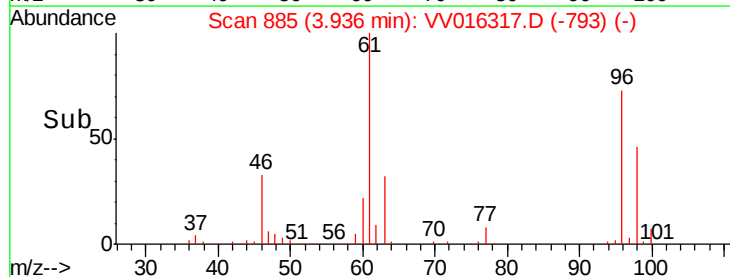
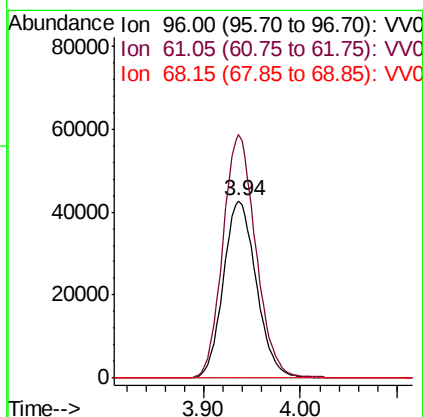
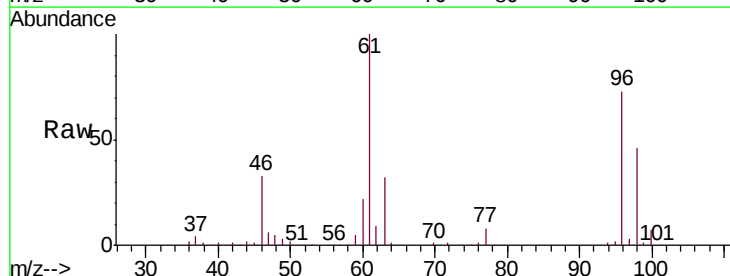
Instrument :
MSVOA_V
ClientSampleId :
F9B03DL

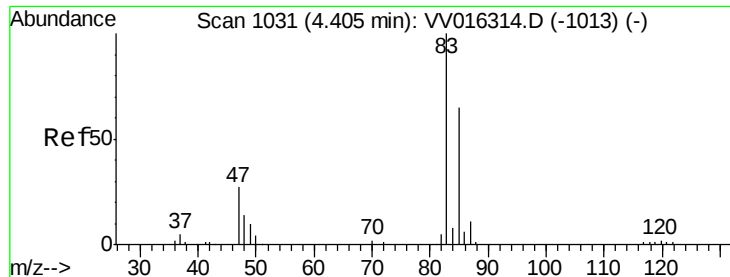
Tgt Ion: 96 Resp: 3496
Ion Ratio Lower Upper
96 100
61 140.5 99.8 185.4
98 52.7 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 10.299 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016317.D
Acq: 29 May 2020 15:56

Tgt Ion: 96 Resp: 101081
Ion Ratio Lower Upper
96 100
61 137.3 99.7 185.1
68 0.0 0.0 0.0

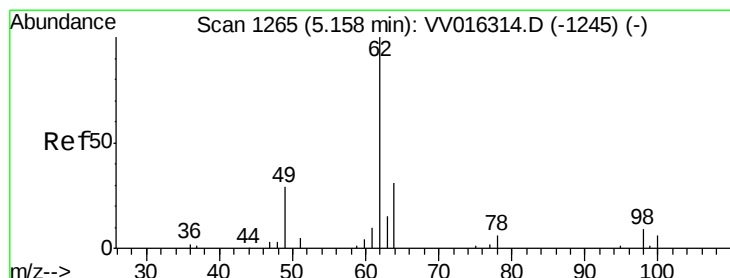
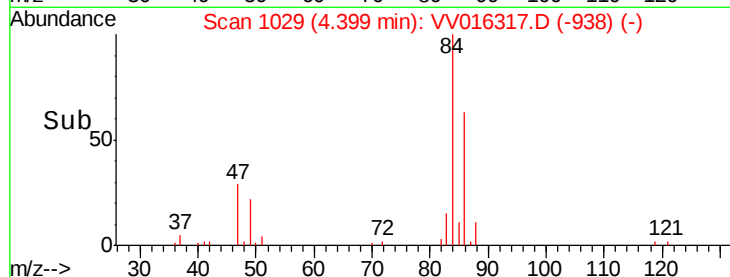
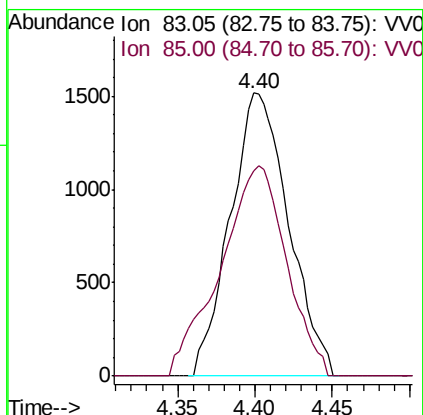
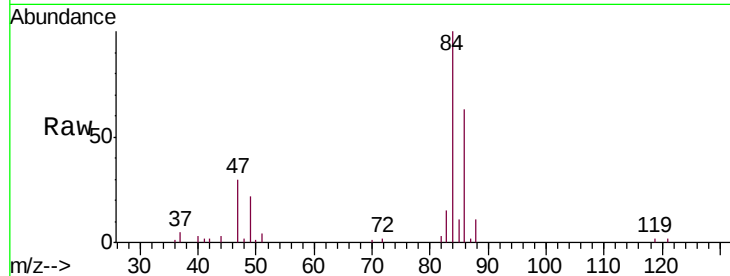




#25
Chloroform
Concen: 0.239 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV016317.D
Acq: 29 May 2020 15:56

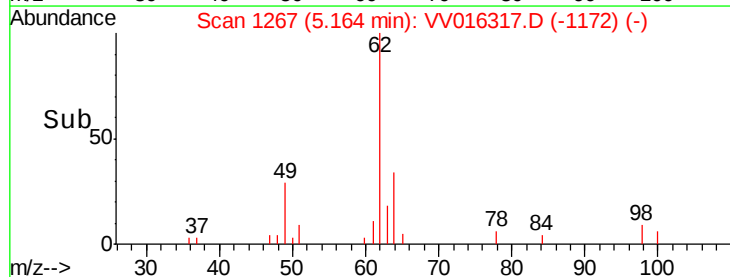
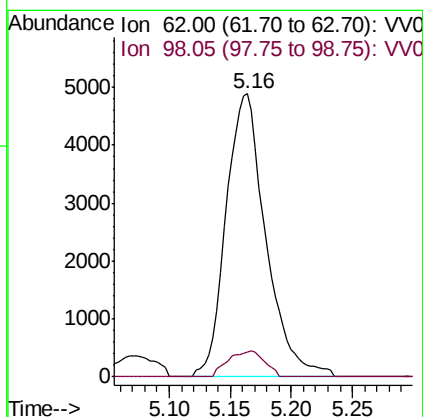
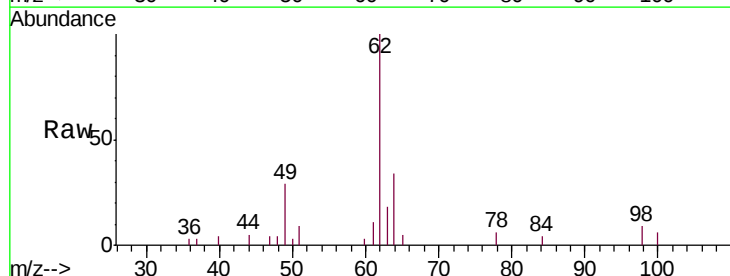
Instrument :
MSVOA_V
ClientSampleId :
F9B03DL

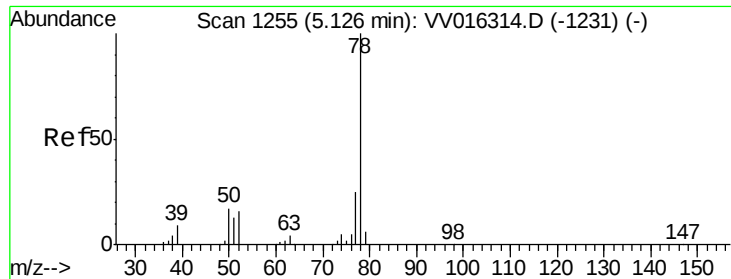
Tgt Ion: 83 Resp: 3980
Ion Ratio Lower Upper
83 100
85 72.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 1.020 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV016317.D
Acq: 29 May 2020 15:56

Tgt Ion: 62 Resp: 11121
Ion Ratio Lower Upper
62 100
98 8.6 5.7 8.5#





#33

Benzene

Concen: 0.184 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

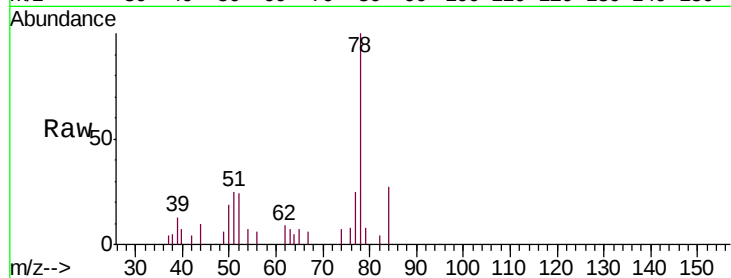
Instrument :

MSVOA_V

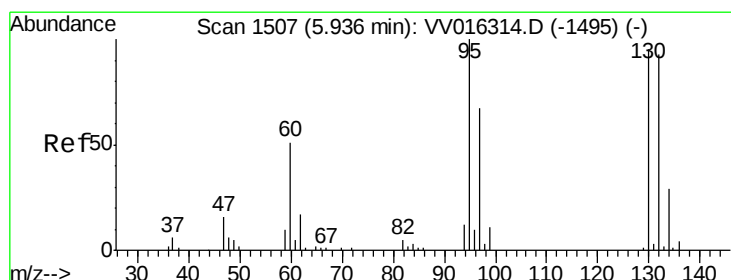
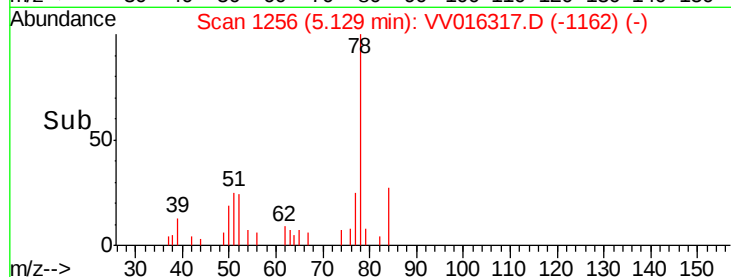
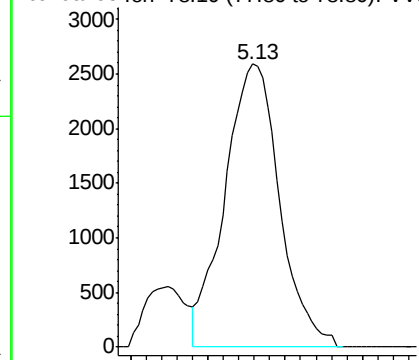
ClientSampleId :

F9B03DL

Tgt Ion: 78 Resp: 6379



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.038 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

Tgt Ion: 95 Resp: 9375

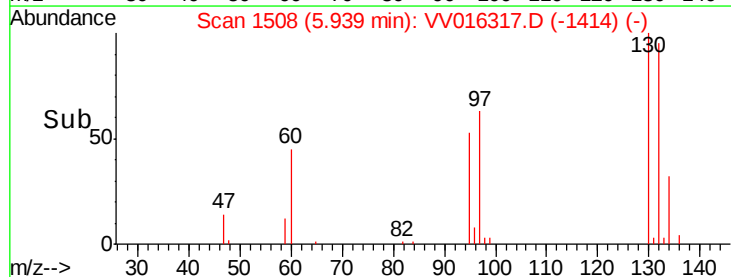
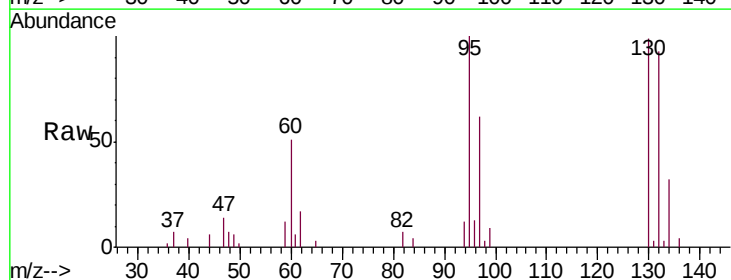
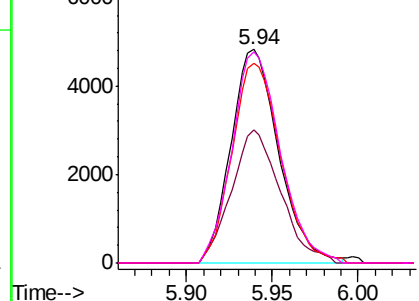
Ion	Ratio	Lower	Upper
95	100		
97	62.2	43.6	81.0
132	93.4	63.9	118.7
130	98.9	65.2	121.0

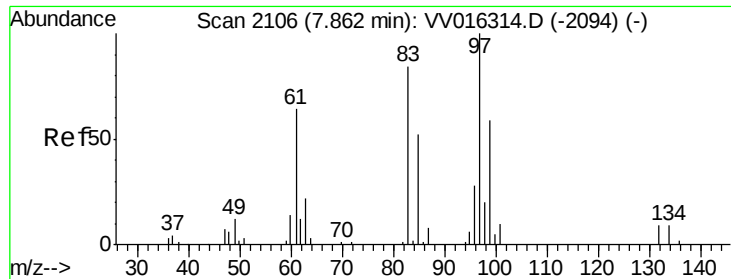
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

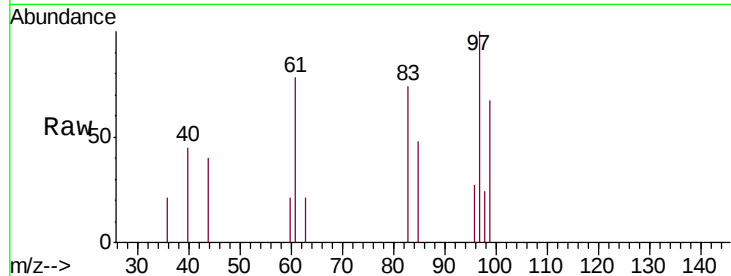




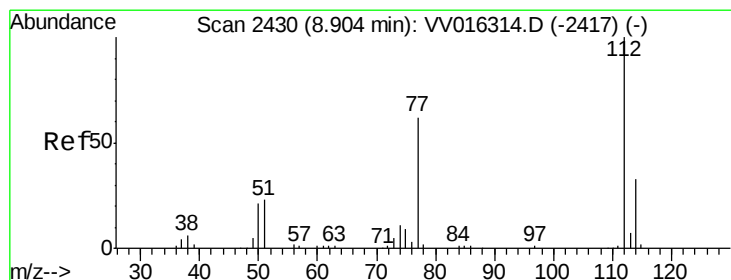
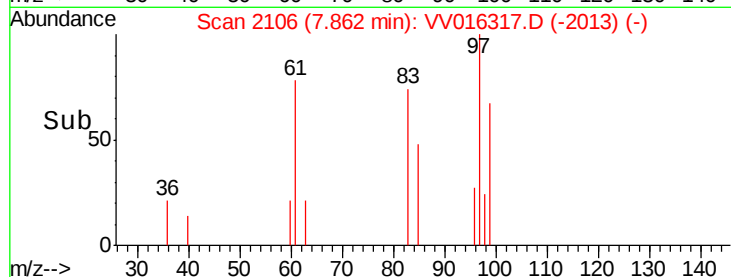
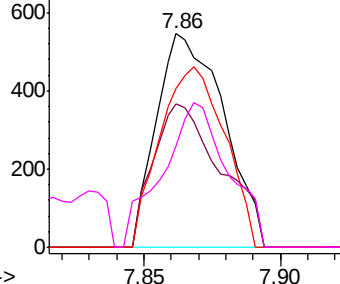
#47
 1,1,2-Trichloroethane
 Concen: 0.168 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016317.D
 Acq: 29 May 2020 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B03DL

Tgt Ion:	97	Resp:	937
Ion	Ratio	Lower	Upper
97	100		
99	67.0	40.8	75.8
83	74.2	60.0	111.4
85	47.6	39.3	73.1

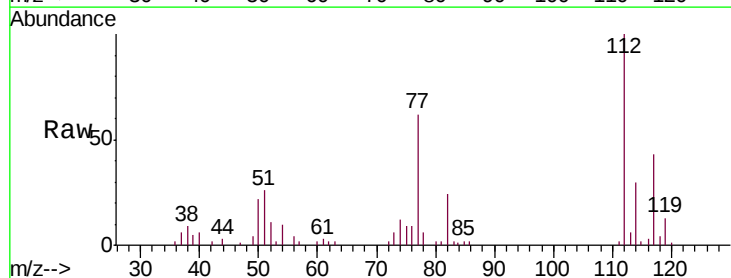


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

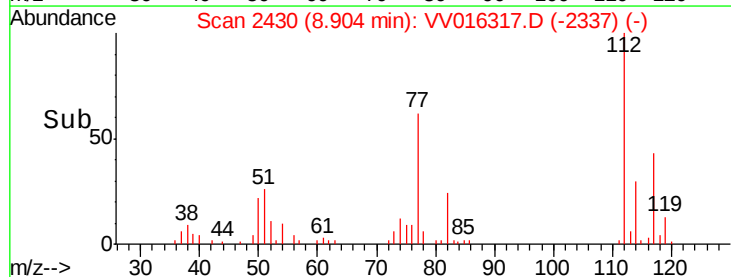
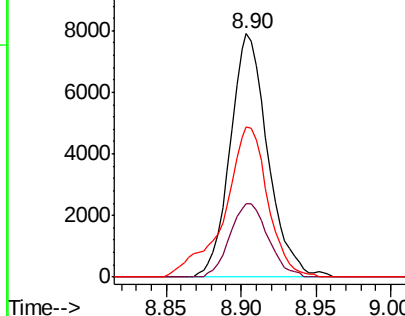


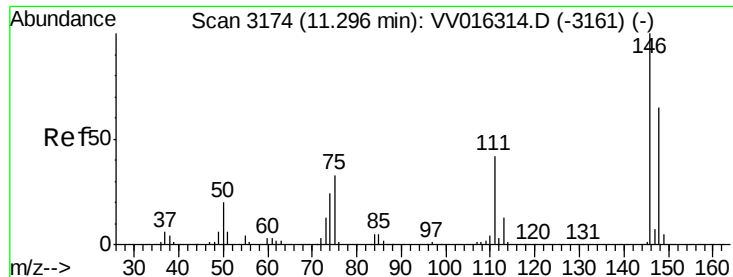
#53
 Chlorobenzene
 Concen: 0.591 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016317.D
 Acq: 29 May 2020 15:56

Tgt Ion:	112	Resp:	13804
Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.3	41.3
77	61.5	50.7	76.1



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#64

1,4-Dichlorobenzene

Concen: 0.210 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

Instrument :

MSVOA_V

ClientSampled :

F9B03DL

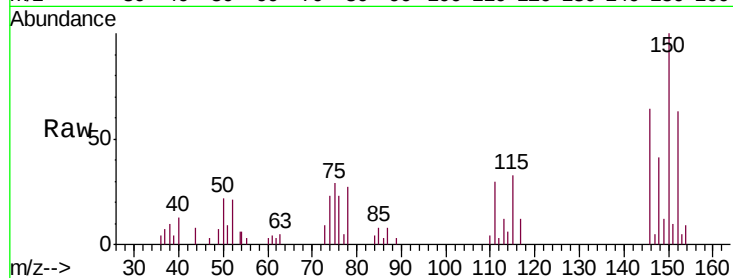
Tgt Ion:146 Resp: 3717

Ion Ratio Lower Upper

146 100

111 46.3 28.3 52.7

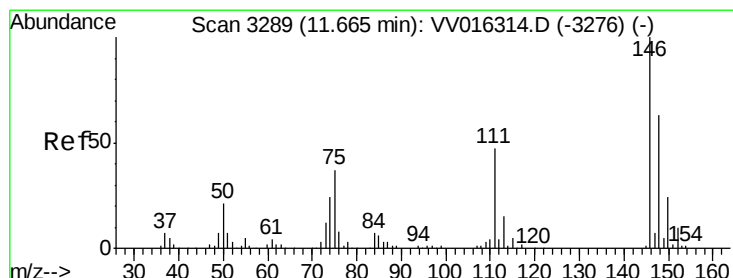
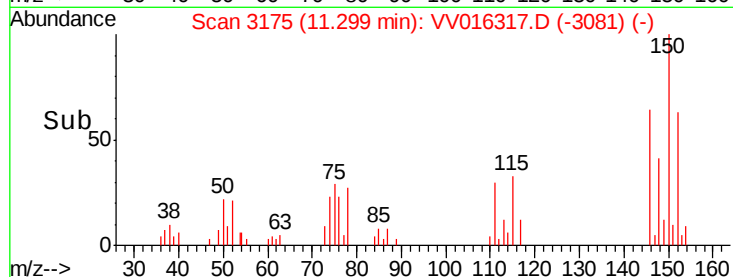
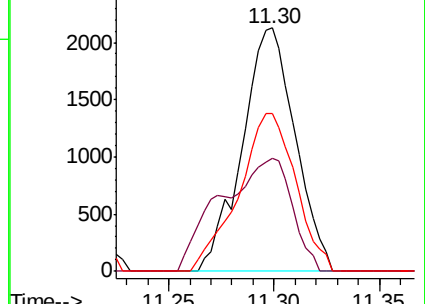
148 64.7 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 1.159 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV016317.D

Acq: 29 May 2020 15:56

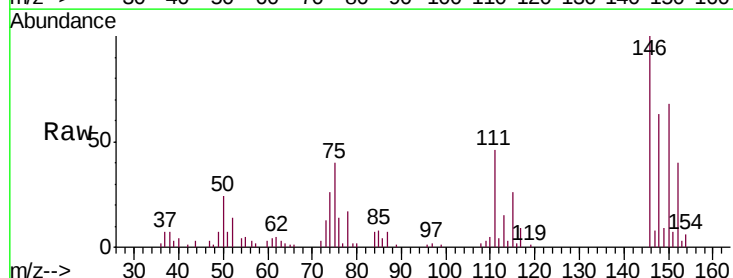
Tgt Ion:146 Resp: 18239

Ion Ratio Lower Upper

146 100

111 45.6 35.7 53.5

148 63.4 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

