

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052120\
 Data File : VV016153.D
 Acq On : 21 May 2020 15:05
 Operator : SY/MD
 Sample : L2725-02DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B01DL

Quant Time: May 22 03:41:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:50:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142196	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	134898	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	64685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29471	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.58	69	34357	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.13	63	54370	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	3.93	46	91004	41.36	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.72%
24) Chloroform-d	4.38	84	83315	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	42239	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.08	84	156400	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.10	67	50206	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.34	98	138066	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
45) trans-1,3-Dichloropropene-	7.65	79	12829	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
48) 2-Hexanone-d5	8.12	63	68102	40.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	31075	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	51646	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

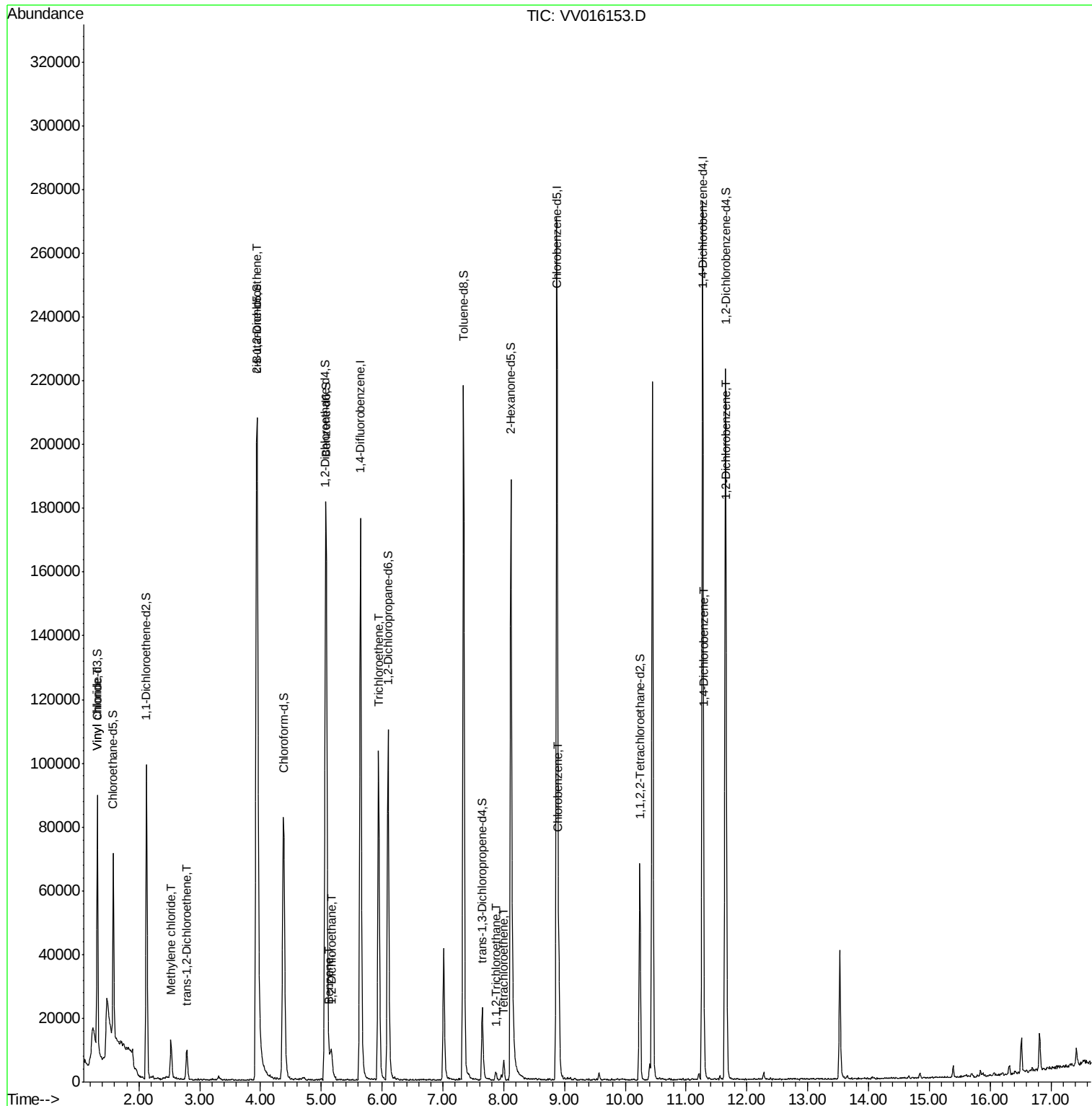
					Ovalue
5) Vinyl chloride	1.32	62	18783	1.781 ug/L	# 69
16) Methylene chloride	2.53	84	4513	0.482 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	3186	0.368 ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	91488	10.106 ug/L	97
27) 1,2-Dichloroethane	5.17	62	8326	0.739 ug/L	96
33) Benzene	5.14	78	5043	0.149 ug/L	100
34) Trichloroethene	5.94	95	36077	3.724 ug/L	94
47) 1,1,2-Trichloroethane	7.87	97	860	0.149 ug/L	89
49) Tetrachloroethene	8.00	164	1298	0.192 ug/L	100
53) Chlorobenzene	8.91	112	17021	0.736 ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	3277	0.187 ug/L	89
66) 1,2-Dichlorobenzene	11.67	146	12131	0.769 ug/L	98

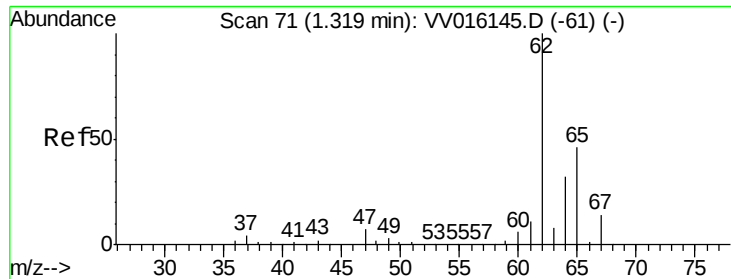
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 22 01:50:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.781 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

Instrument :

MSVOA_V

ClientSampled :

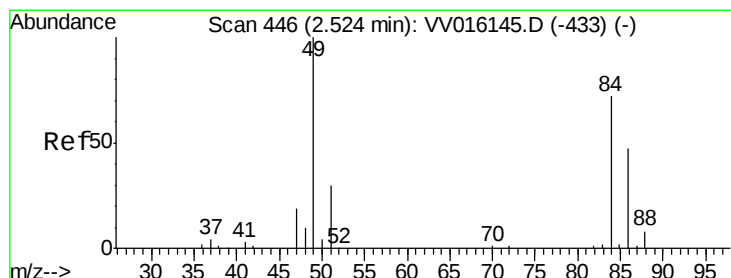
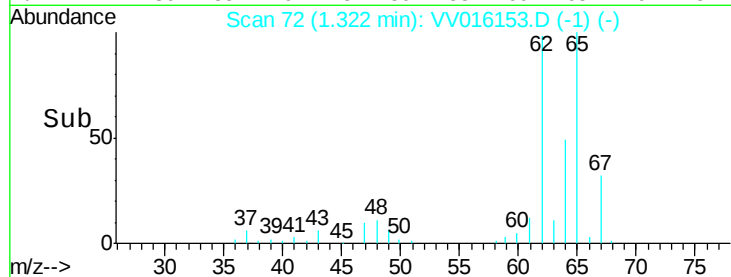
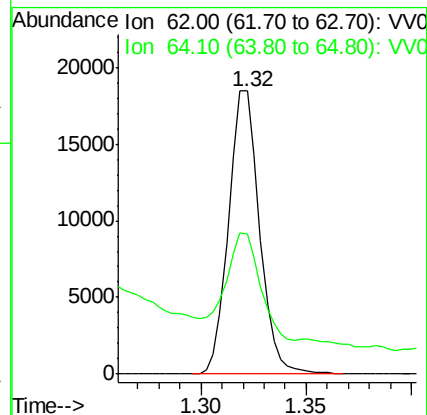
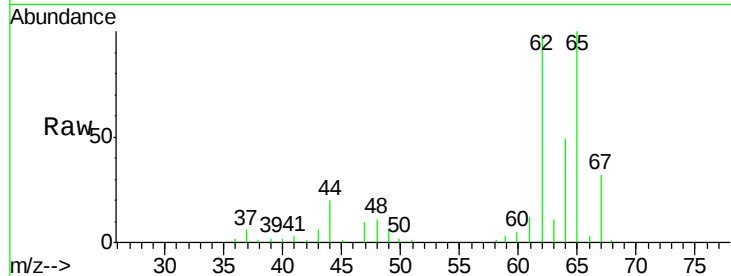
F9B01DL

Tot Ion: 62 Resp: 18783

Ion Ratio Lower Upper

62 100

64 49.5 22.4 41.6#



#16

Methylene chloride

Concen: 0.482 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

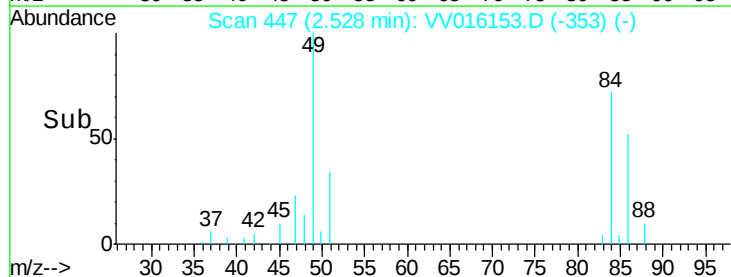
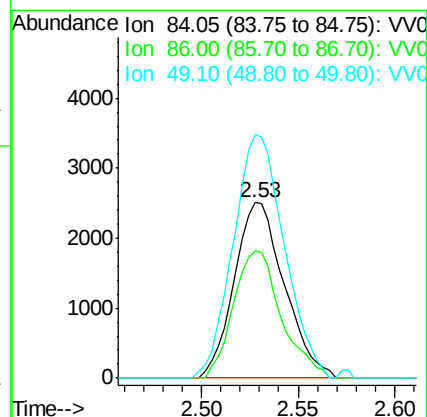
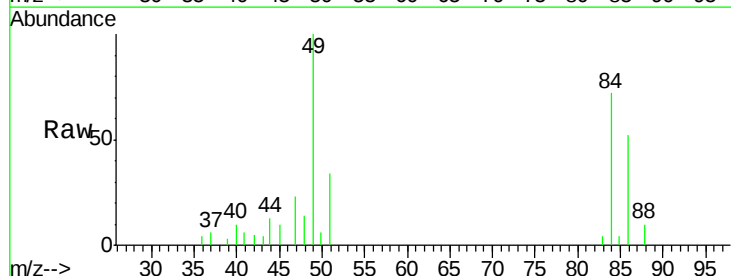
Tgt Ion: 84 Resp: 4513

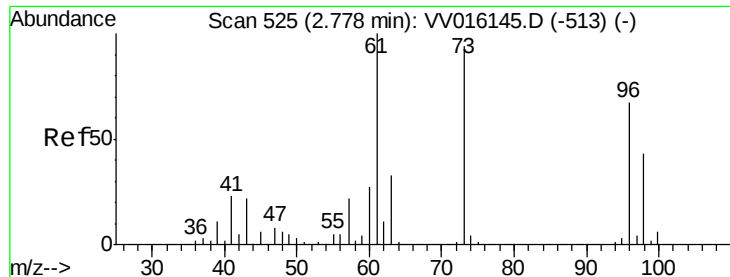
Ion Ratio Lower Upper

84 100

86 72.7 45.6 84.8

49 138.6 93.6 173.8

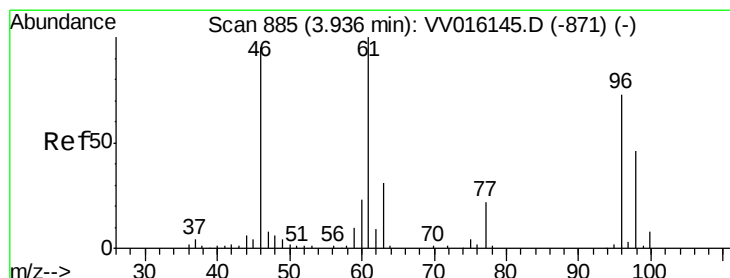
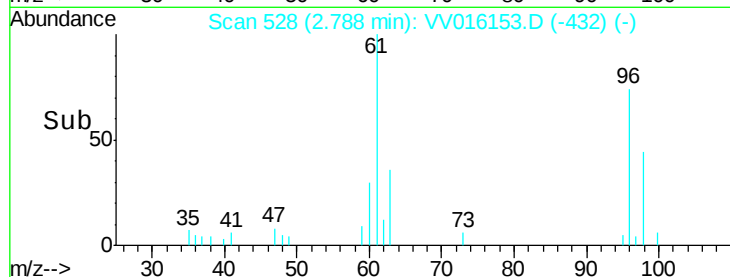
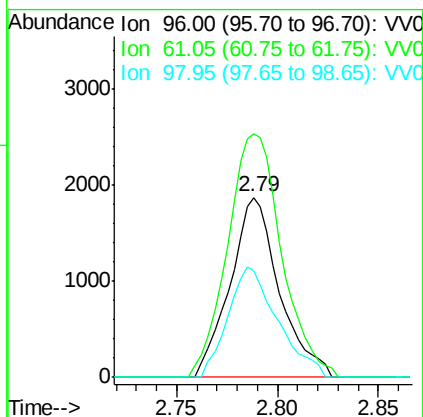
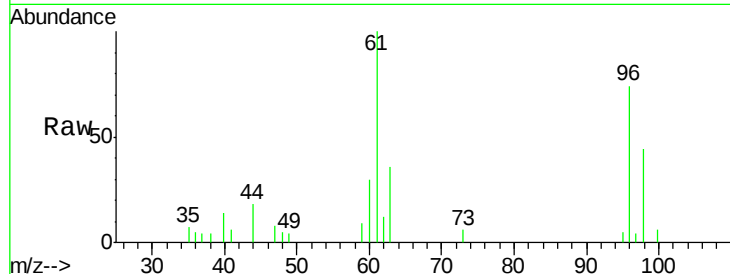




#18
trans-1,2-Dichloroethene
Concen: 0.368 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV016153.D
Acq: 21 May 2020 15:05

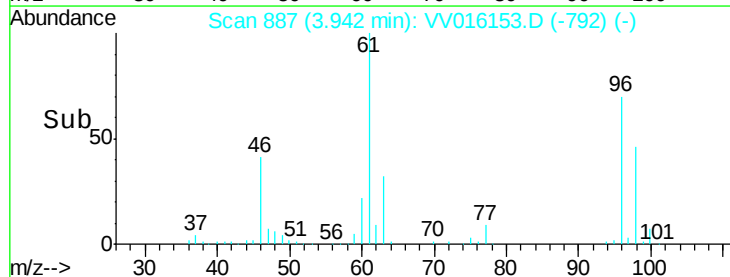
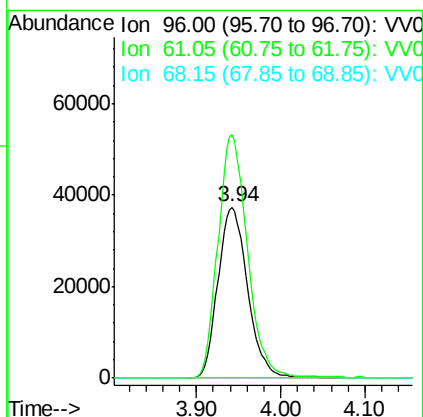
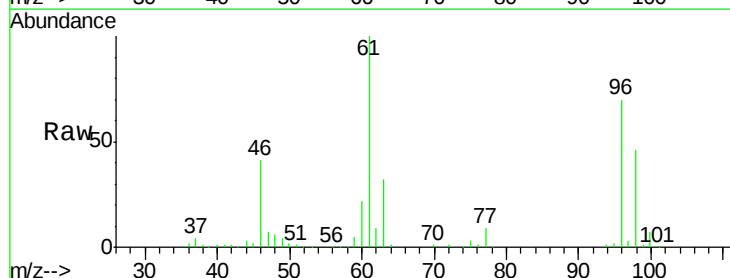
Instrument :
MSVOA_V
ClientSampleId :
F9B01DL

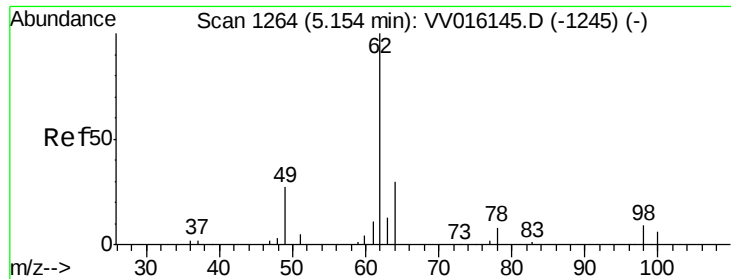
Tot Ion: 96 Resp: 3186
Ion Ratio Lower Upper
96 100
61 135.5 105.3 195.5
98 59.3 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 10.106 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV016153.D
Acq: 21 May 2020 15:05

Tgt Ion: 96 Resp: 91488
Ion Ratio Lower Upper
96 100
61 142.4 97.2 180.6
68 0.0 0.0 0.0

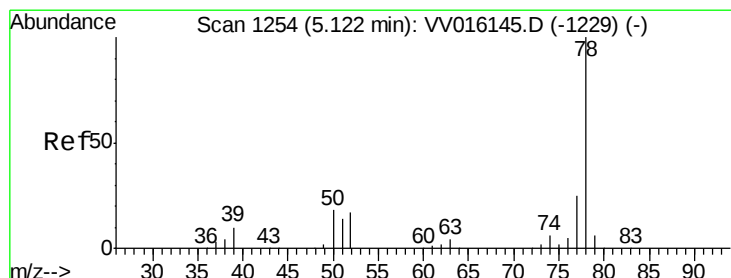
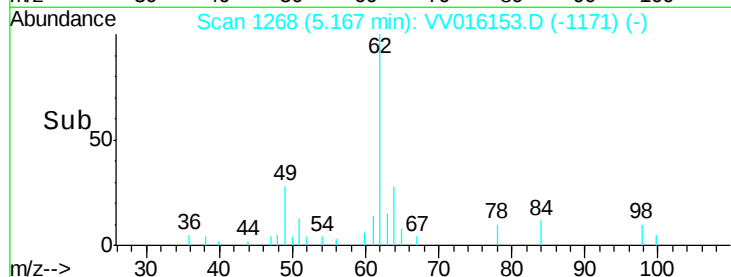
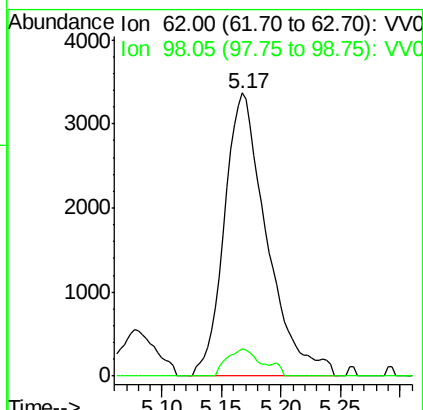
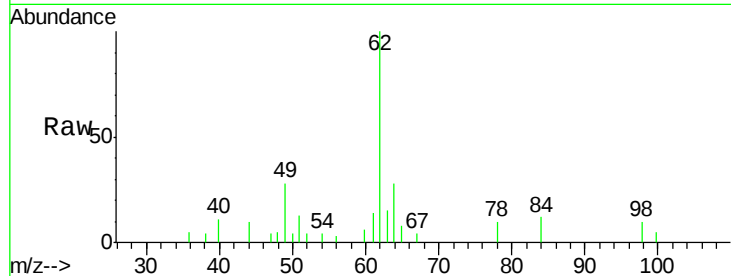




#27
 1,2-Dichloroethane
 Concen: 0.739 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV016153.D
 Acq: 21 May 2020 15:05

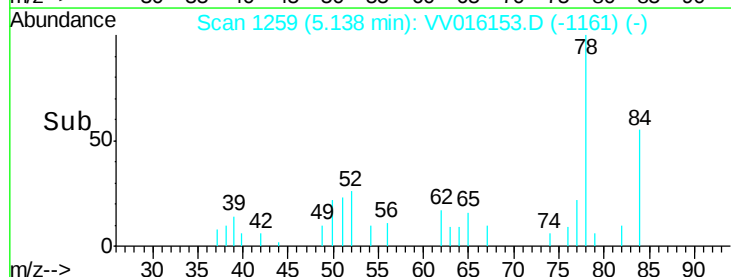
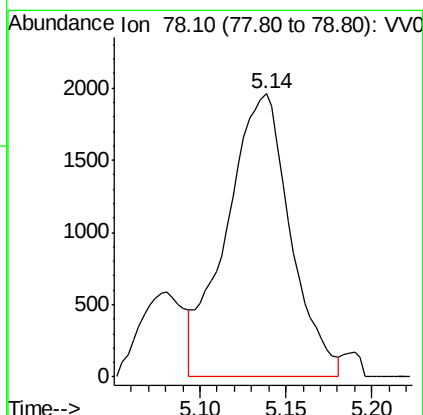
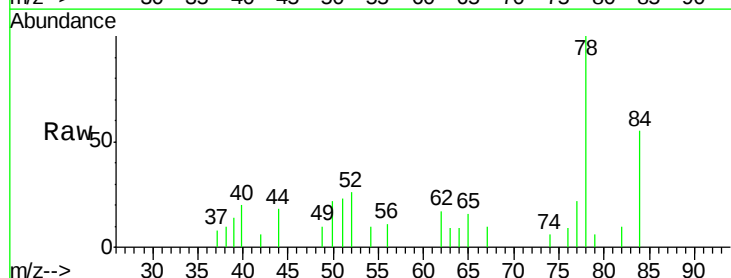
Instrument :
 MSVOA_V
 ClientSampleId :
 F9B01DL

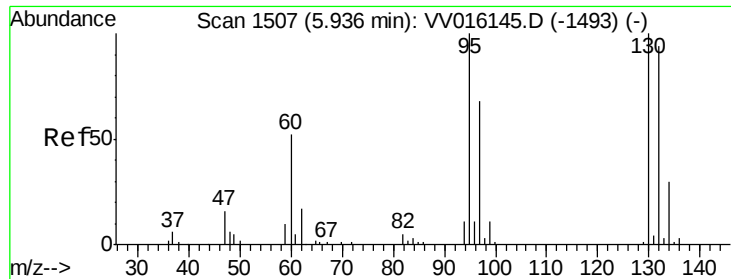
Tot Ion: 62 Resp: 8326
 Ion Ratio Lower Upper
 62 100
 98 9.7 6.7 10.1



#33
 Benzene
 Concen: 0.149 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. 0.02 min
 Lab File: VV016153.D
 Acq: 21 May 2020 15:05

Tgt Ion: 78 Resp: 5043

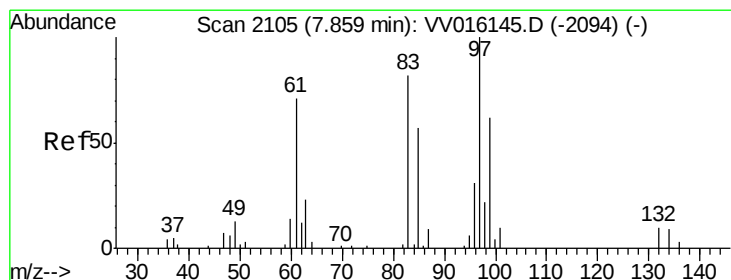
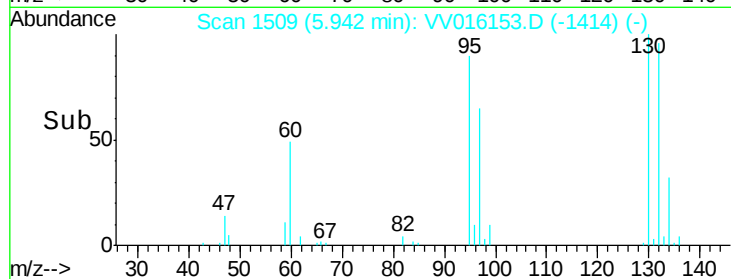
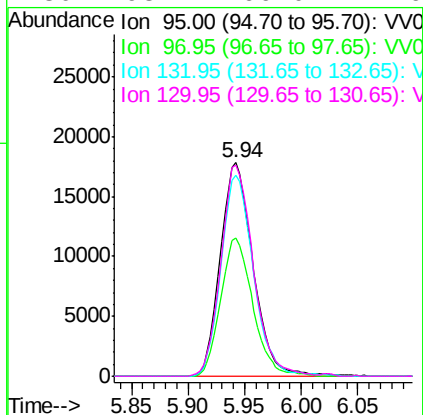
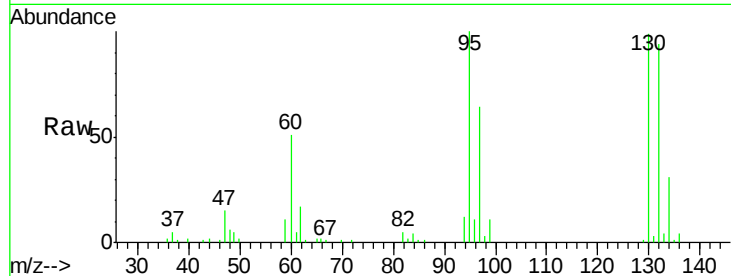




#34
 Trichloroethene
 Concen: 3.724 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016153.D
 Acq: 21 May 2020 15:05

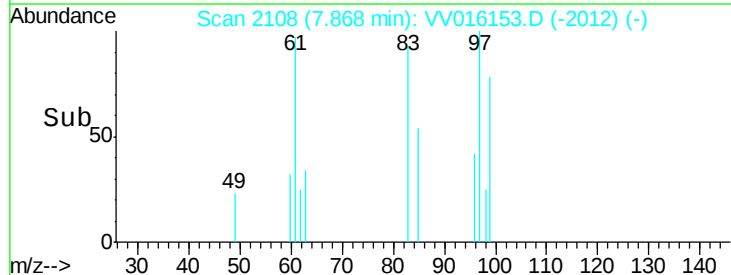
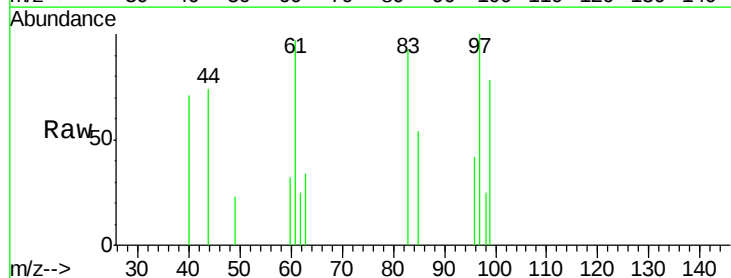
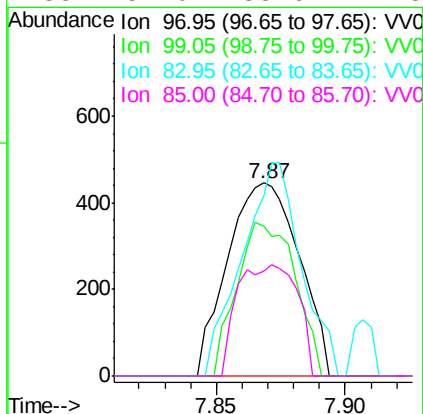
Instrument :
 MSVOA_V
 ClientSampled :
 F9B01DL

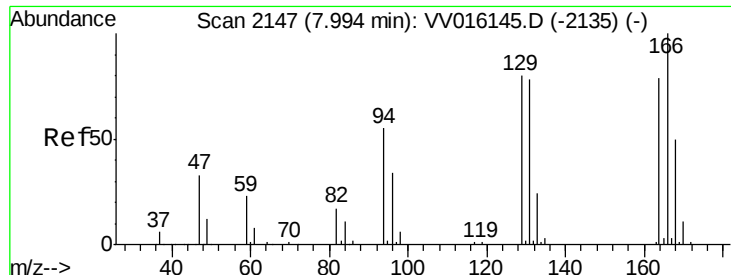
Tot Ion:	95	Resp:	36077
Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	94.3	60.3	112.1
130	98.7	66.0	122.6



#47
 1,1,2-Trichloroethane
 Concen: 0.149 ug/L
 RT: 7.87 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VV016153.D
 Acq: 21 May 2020 15:05

Tgt Ion:	97	Resp:	860
Ion	Ratio	Lower	Upper
97	100		
99	77.6	42.1	78.1
83	93.3	59.2	110.0
85	54.0	38.6	71.8





#49

Tetrachloroethene

Concen: 0.192 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

F9B01DL

Tot Ion:164 Resp: 1298

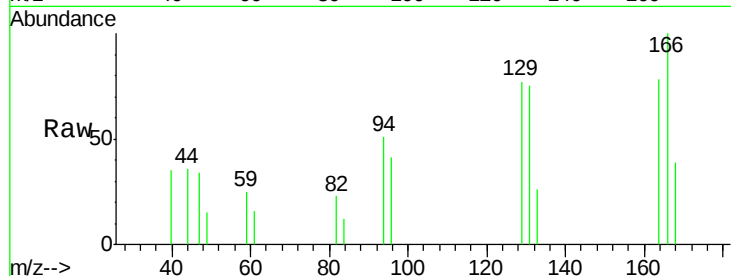
Ion Ratio Lower Upper

164 100

129 98.2 69.7 129.4

131 95.6 66.8 124.2

166 127.4 89.1 165.5

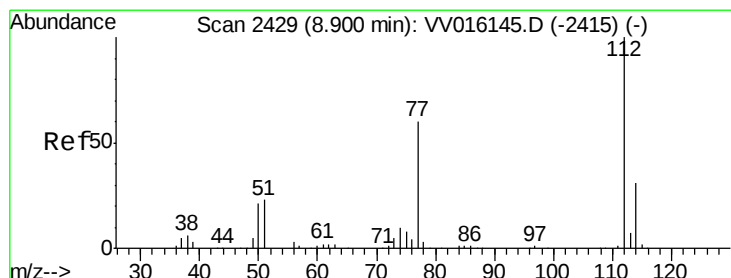
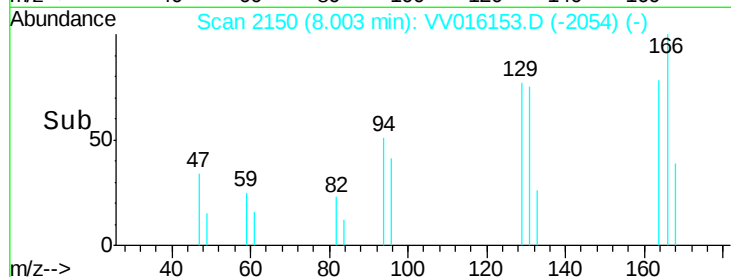
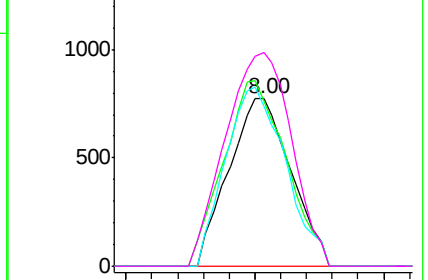


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

Chlorobenzene

Concen: 0.736 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

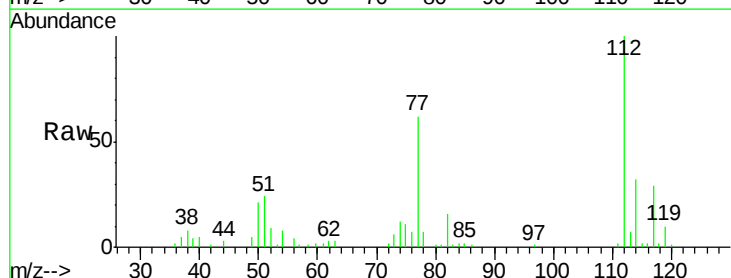
Tgt Ion:112 Resp: 17021

Ion Ratio Lower Upper

112 100

114 31.8 21.6 40.0

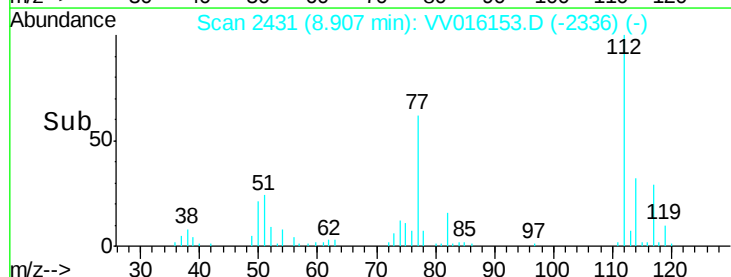
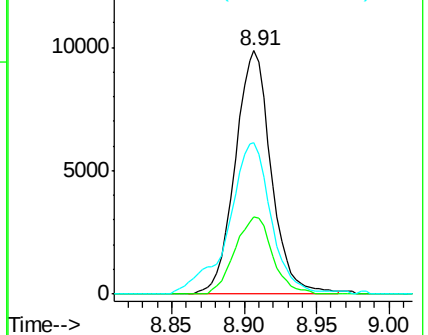
77 62.3 48.6 73.0

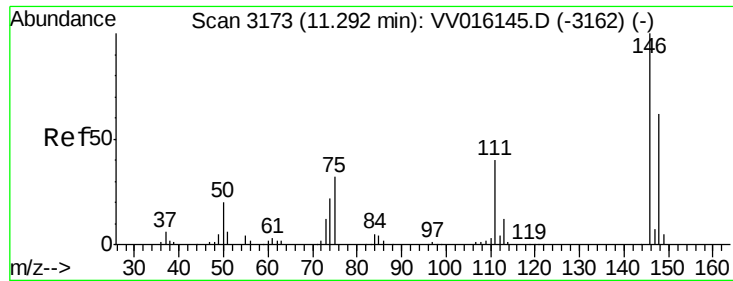


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#64

1,4-Dichlorobenzene

Concen: 0.187 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

Instrument :

MSVOA_V

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F9B01DL

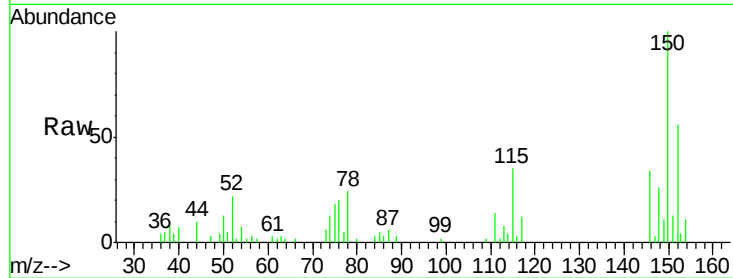
Tot Ion:146 Resp: 3277

Ion Ratio Lower Upper

146 100

111 42.1 28.9 53.7

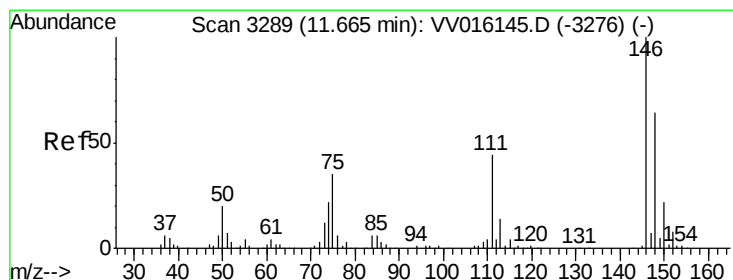
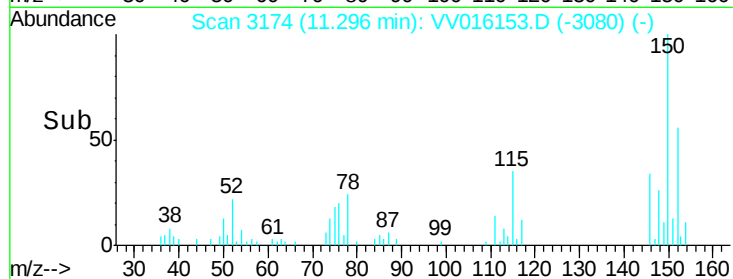
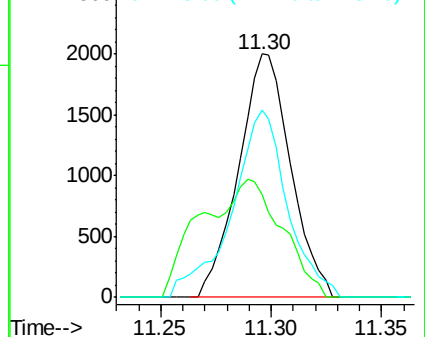
148 76.7 44.6 82.8



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: 0.769 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016153.D

Acq: 21 May 2020 15:05

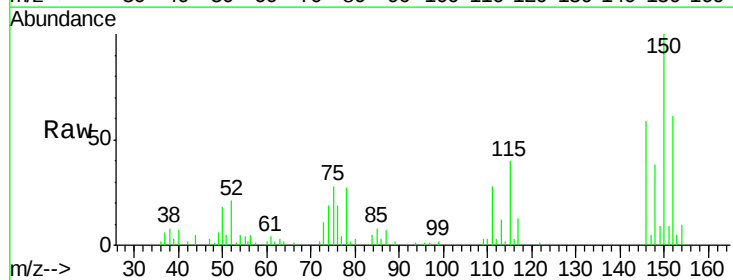
Tgt Ion:146 Resp: 12131

Ion Ratio Lower Upper

146 100

111 46.6 37.0 55.4

148 64.1 49.8 74.6



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

