

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016447.D
 Acq On : 02 Jun 2020 23:29
 Operator : SY/MD
 Sample : L2843-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 02:27:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 01:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	374332	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	361012	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131144	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.92%
7) Chloroethane-d5	1.58	69	92628	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.78%
11) 1,1-Dichloroethene-d2	2.13	63	182719	38.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.76%
21) 2-Butanone-d5	3.91	46	184498	108.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.83%
24) Chloroform-d	4.38	84	223772	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.94%
26) 1,2-Dichloroethane-d4	5.06	65	171406	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.88%
32) Benzene-d6	5.08	84	501946	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.10	67	154933	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.34	98	447091	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%
43) trans-1,3-Dichloropropene-	7.64	79	68991	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
47) 2-Hexanone-d5	8.11	63	134226	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	204579	50.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	173883	54.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.44%

Target Compounds

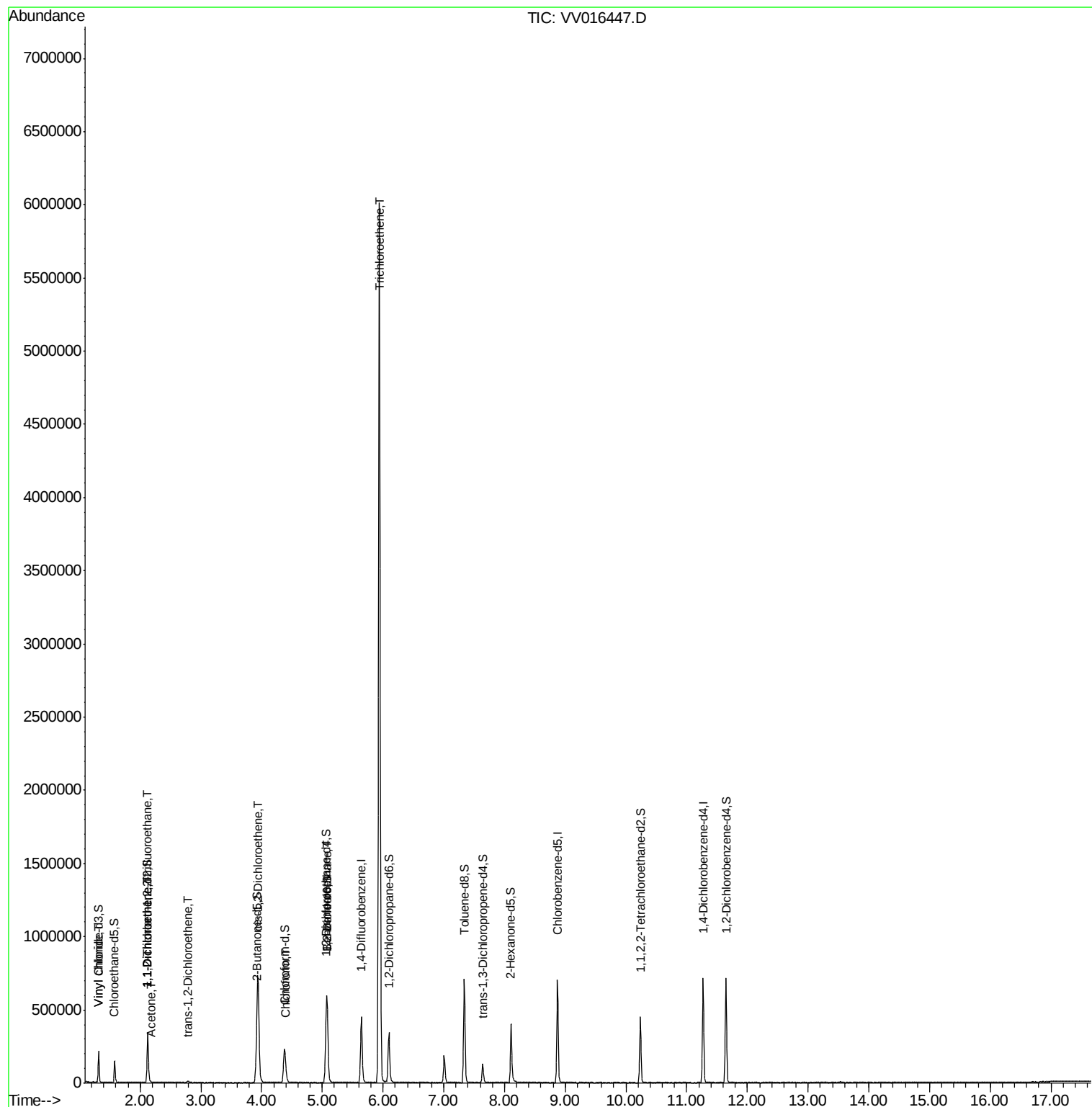
					Ovalue
5) Vinyl chloride	1.32	62	2238	0.778 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1880	0.871 ug/L #	22
12) 1,1-Dichloroethene	2.14	96	3736	1.798 ug/L #	1
13) Acetone	2.20	43	2318	1.463 ug/L	59
17) trans-1,2-Dichloroethene	2.78	96	3251	1.240 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	384355	135.820 ug/L	98
25) Chloroform	4.41	83	27323	5.375 ug/L	89
27) 1,2-Dichloroethane	5.08	62	3512	0.850 ug/L	100
34) Trichloroethene	5.94	95	2016626	723.864 ug/L	97

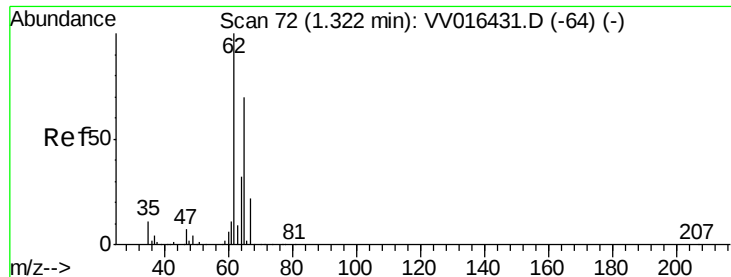
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jun 03 01:20:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.778 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

Instrument :

MSVOA_V

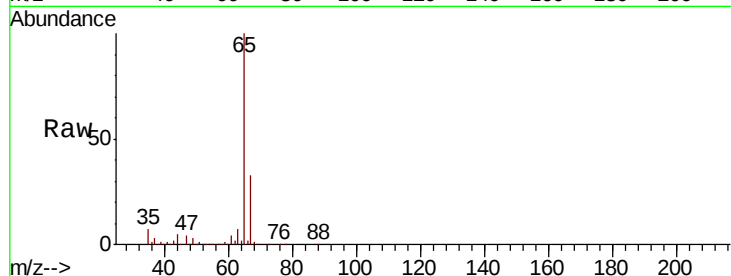
ClientSampleId :

Tot Ion: 62 Resp: 2238

Ion Ratio Lower Upper

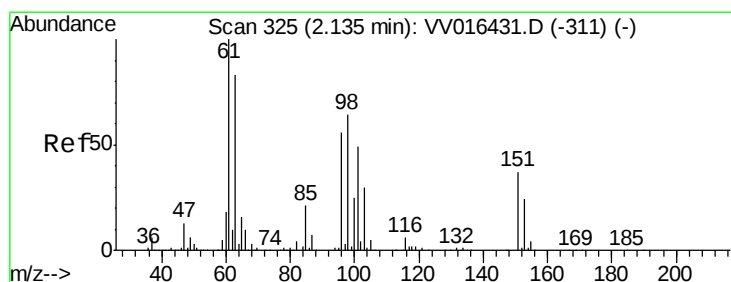
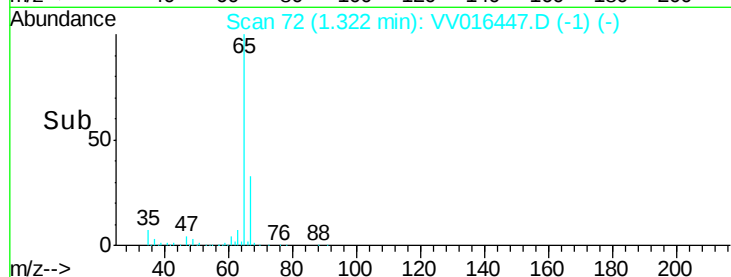
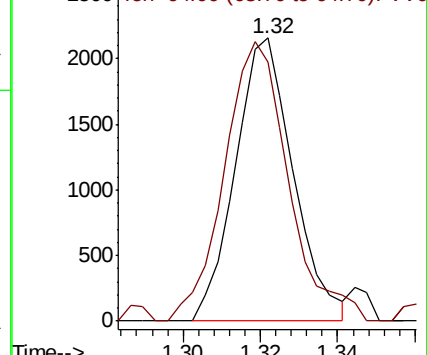
62 100

64 91.6 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.871 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

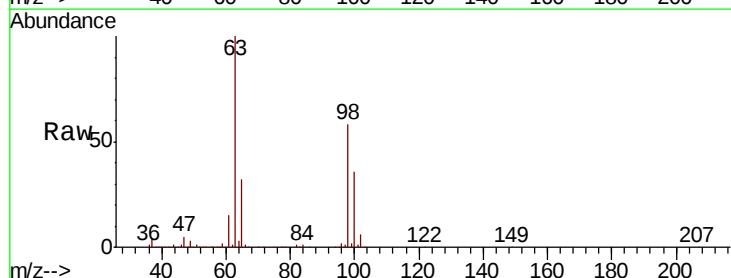
Tgt Ion: 101 Resp: 1880

Ion Ratio Lower Upper

101 100

85 3.6 35.6 53.4#

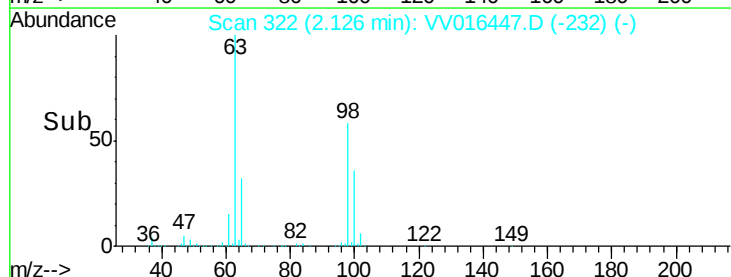
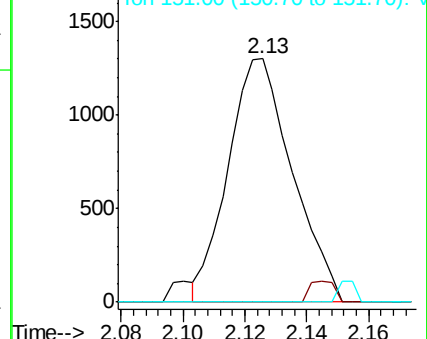
151 2.2 61.8 92.8#

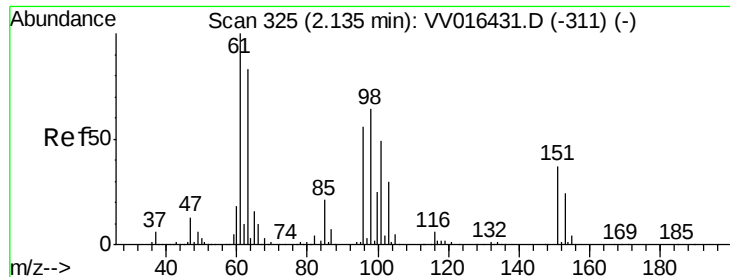


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.798 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

Instrument :
MSVOA_V
ClientSampleId :

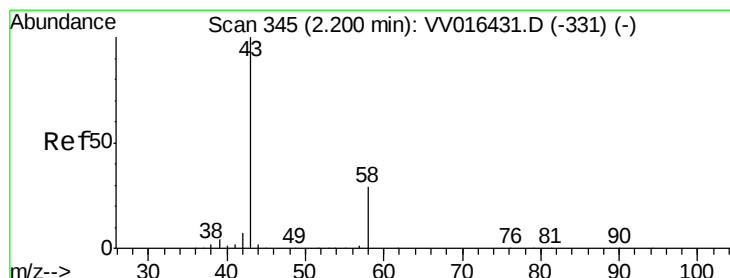
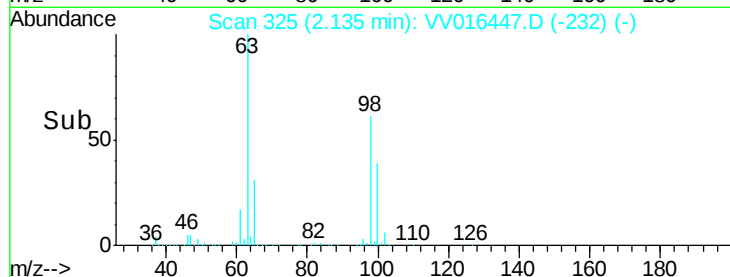
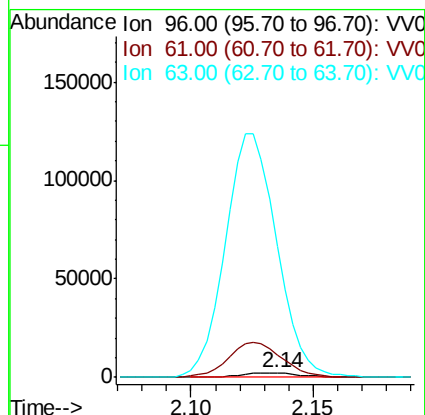
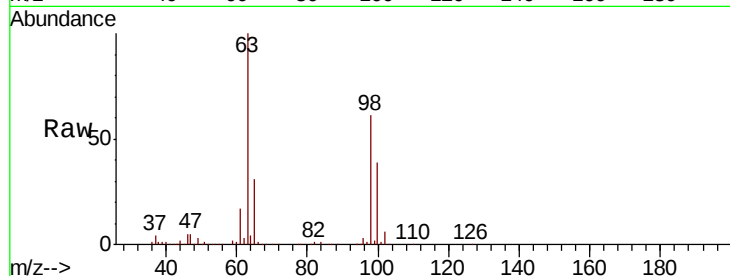
Tot Ion: 96 Resp: 3736

Ion Ratio Lower Upper

96 100

61 522.1 125.5 233.1#

63 3073.0 104.0 193.1#



#13

Acetone

Concen: 1.463 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV016447.D

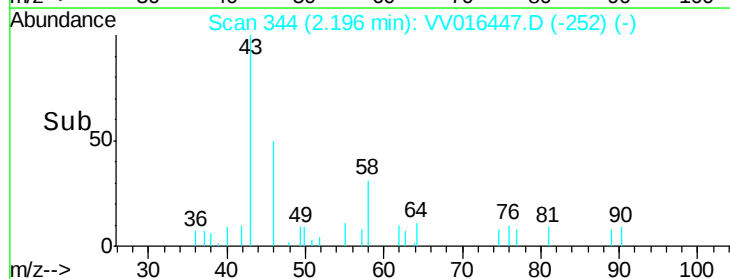
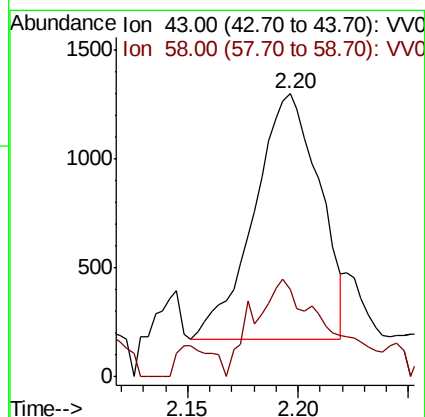
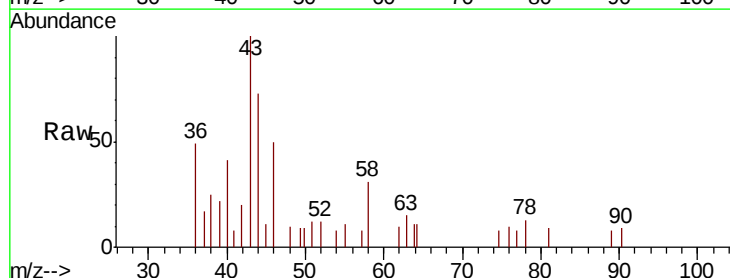
Acq: 02 Jun 2020 23:29

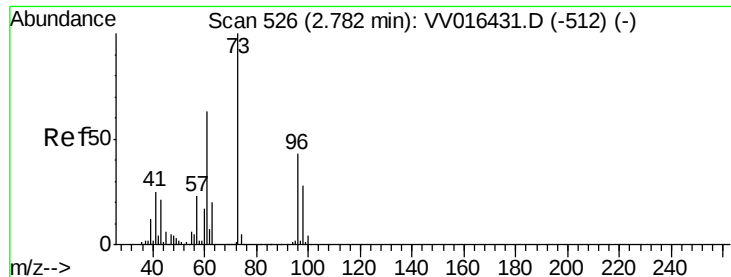
Tgt Ion: 43 Resp: 2318

Ion Ratio Lower Upper

43 100

58 6.6 0.0 57.2





#17

trans-1,2-Dichloroethene

Concen: 1.240 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

Instrument :

MSVOA_V

ClientSampleId :

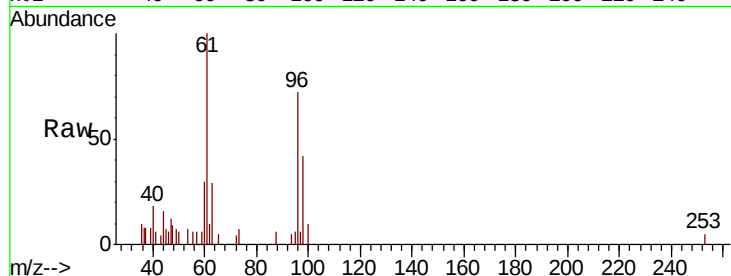
Tot Ion: 96 Resp: 3251

Ion Ratio Lower Upper

96 100

61 139.5 101.0 187.6

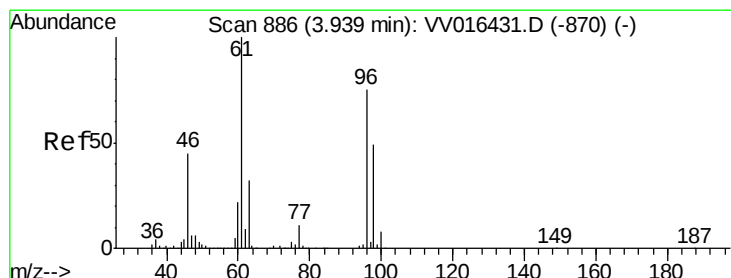
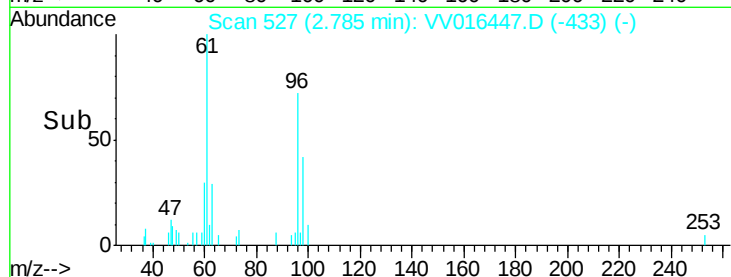
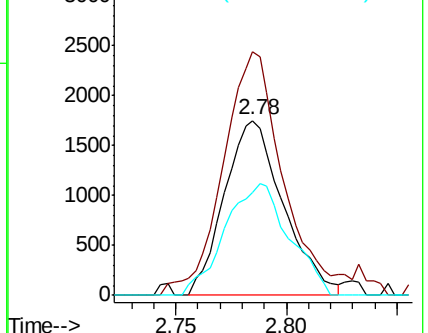
98 58.8 44.7 83.1



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: 135.820 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

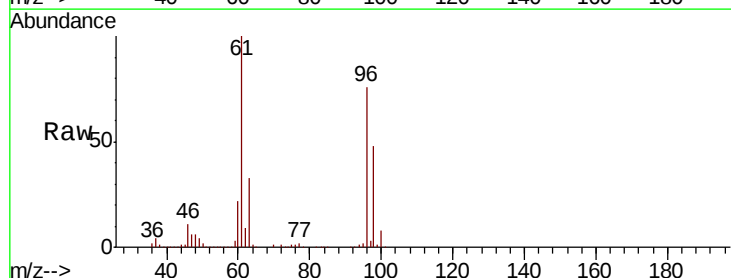
Tgt Ion: 96 Resp: 384355

Ion Ratio Lower Upper

96 100

61 131.5 93.4 173.4

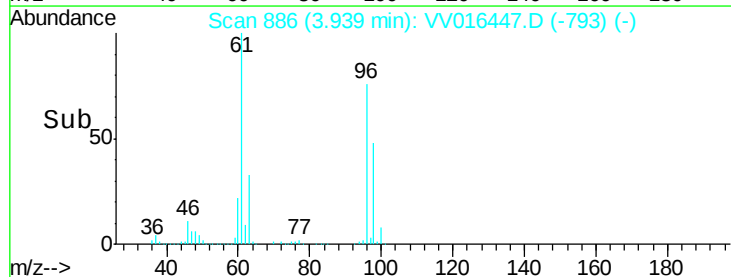
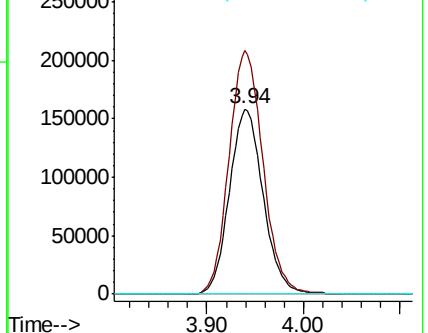
68 0.0 0.0 0.0

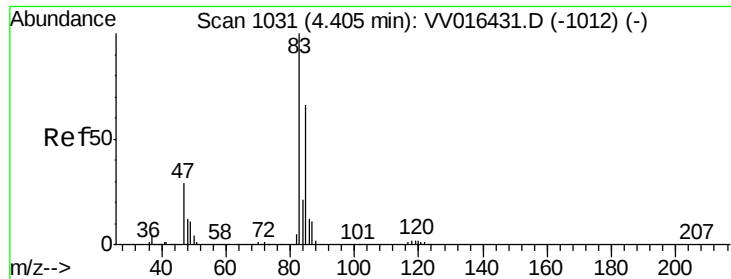


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#25

Chloroform

Concen: 5.375 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

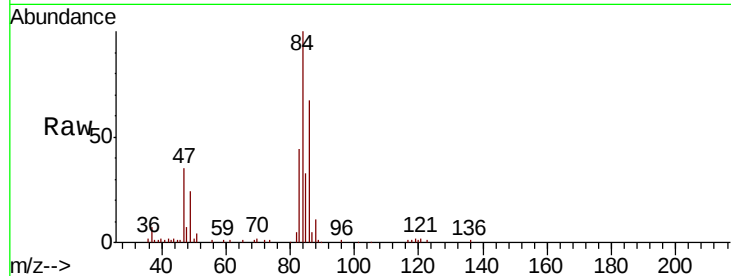
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 27323

Ion Ratio Lower Upper

83 100

85 74.5 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV016447.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV016447.D (-938) (-)

4.41

12000

10000

8000

6000

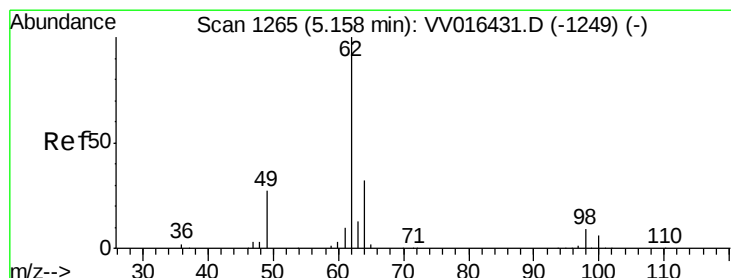
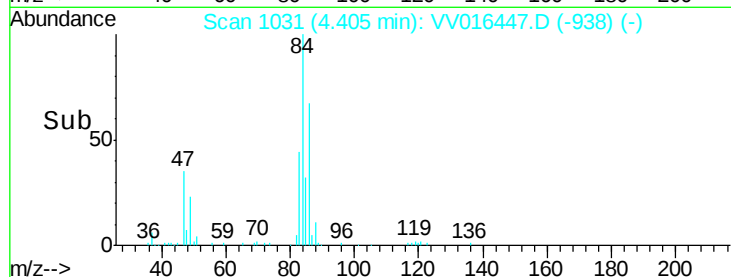
4000

2000

0

Time-->

4.30 4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 0.850 ug/L

RT: 5.08 min Scan# 1241

Delta R.T. -0.08 min

Lab File: VV016447.D

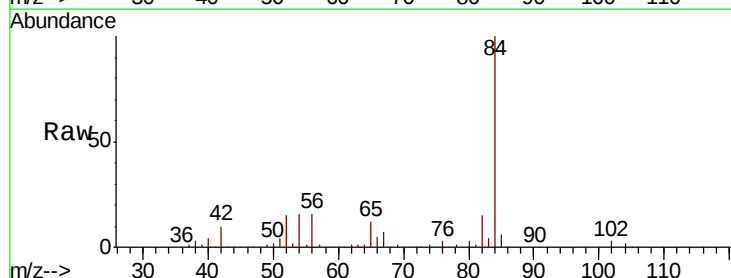
Acq: 02 Jun 2020 23:29

Tgt Ion: 62 Resp: 3512

Ion Ratio Lower Upper

62 100

98 8.7 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016447.D (-1172) (-)

Ion 98.00 (97.70 to 98.70): VV016447.D (-1172) (-)

5.08

1500

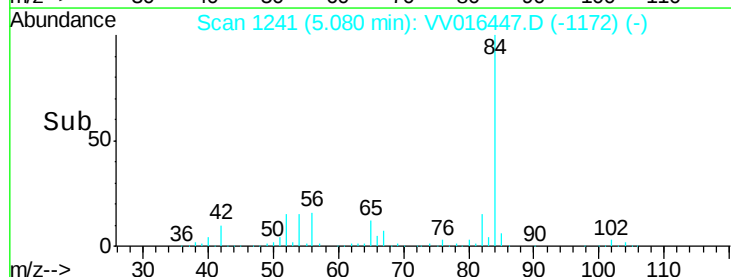
1000

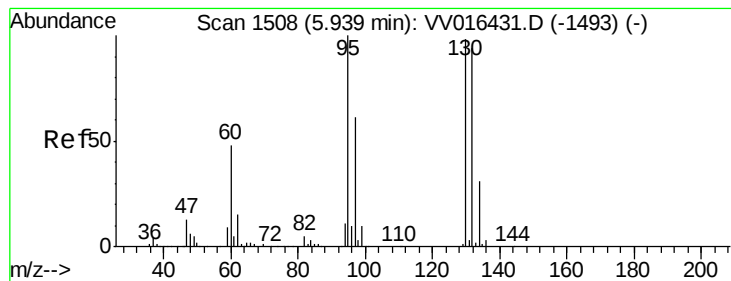
500

0

Time-->

5.00 5.05 5.10 5.15





#34

Trichloroethene

Concen: 723.864 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016447.D

Acq: 02 Jun 2020 23:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 2016626

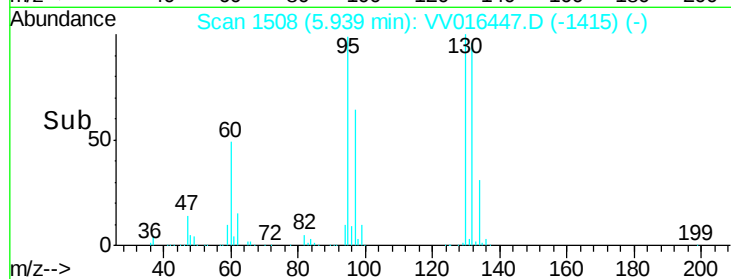
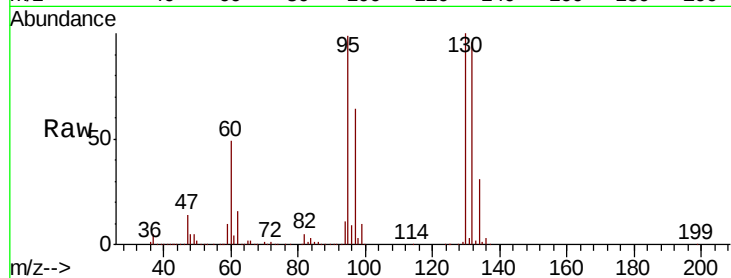
Ion Ratio Lower Upper

95 100

97 65.0 42.8 79.6

132 97.0 65.6 121.8

130 100.9 69.0 128.1



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

