

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016445.D
 Acq On : 02 Jun 2020 22:44
 Operator : SY/MD
 Sample : L2843-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Quant Time: Jun 03 03:27:27 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	379797	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	361239	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168565	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	129245	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.08%
7) Chloroethane-d5	1.58	69	92492	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.26%
11) 1,1-Dichloroethene-d2	2.13	63	182308	38.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.46%
21) 2-Butanone-d5	3.91	46	175136	101.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	4.38	84	222525	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.16%
26) 1,2-Dichloroethane-d4	5.06	65	166682	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
32) Benzene-d6	5.08	84	488103	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
36) 1,2-Dichloropropane-d6	6.10	67	151832	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.72%
41) Toluene-d8	7.34	98	435588	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%
43) trans-1,3-Dichloropropene-	7.64	79	68122	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
47) 2-Hexanone-d5	8.11	63	129228	100.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.08%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	197011	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	167737	52.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.90%

Target Compounds

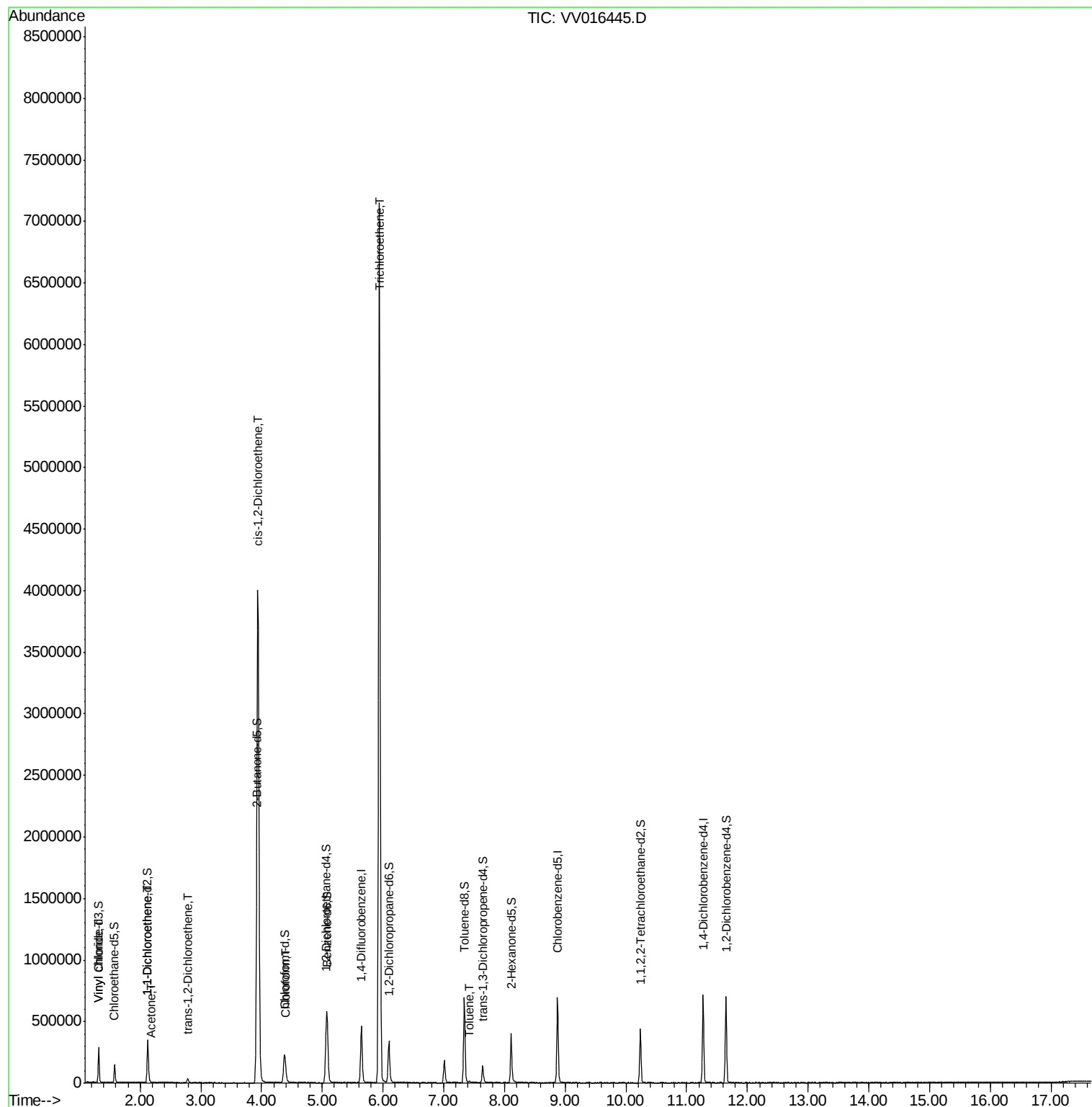
					Ovalue
5) Vinyl chloride	1.32	62	57842	19.828 ug/L	97
12) 1,1-Dichloroethene	2.13	96	8397	3.982 ug/L #	1
13) Acetone	2.19	43	2810	1.748 ug/L	59
17) trans-1,2-Dichloroethene	2.78	96	11949	4.491 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	2189516	762.576 ug/L	100
25) Chloroform	4.40	83	23072	4.474 ug/L	96
34) Trichloroethene	5.94	95	2428788	871.260 ug/L	97
42) Toluene	7.41	91	7475	0.664 ug/L	94

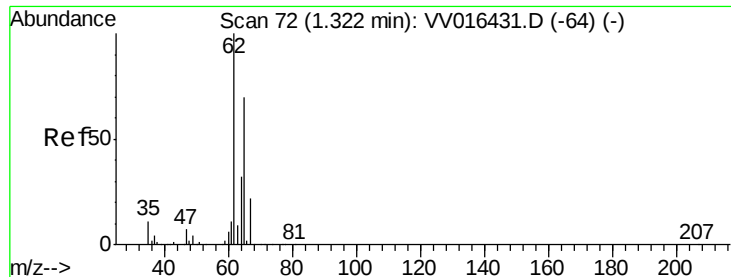
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 03 01:20:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 19.828 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

Instrument :

MSVOA_V

ClientSampleId :

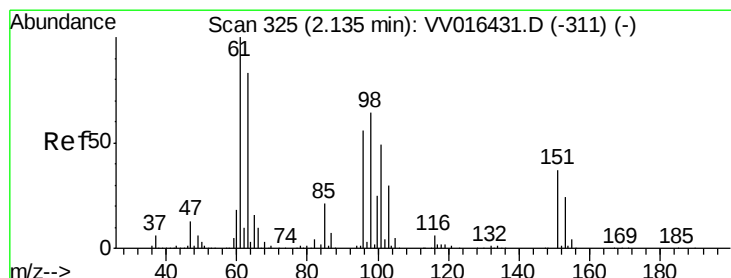
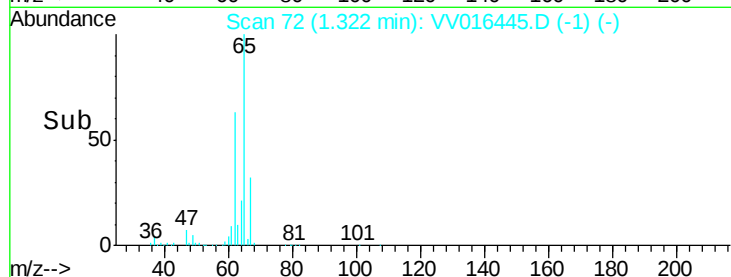
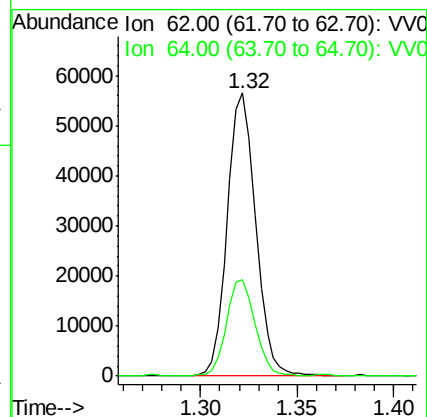
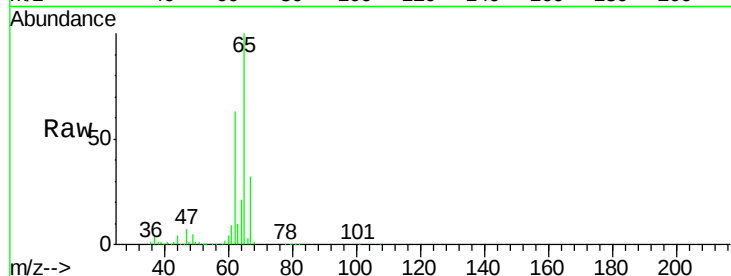
C0AA6

Tot Ion: 62 Resp: 57842

Ion Ratio Lower Upper

62 100

64 34.0 22.7 42.1



#12

1,1-Dichloroethene

Concen: 3.982 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

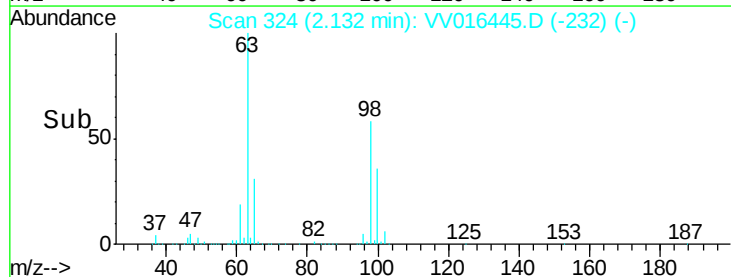
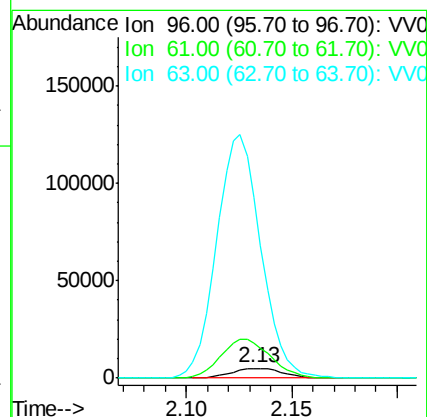
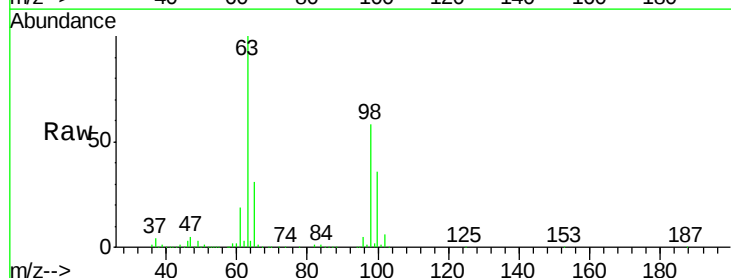
Tgt Ion: 96 Resp: 8397

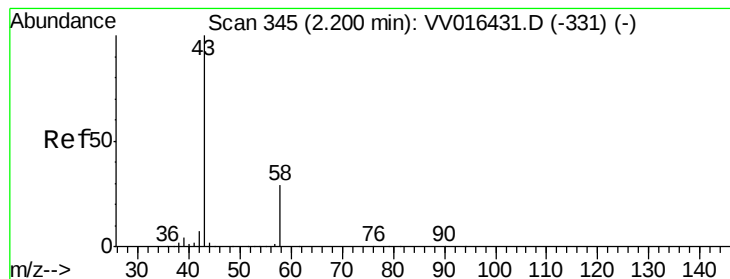
Ion Ratio Lower Upper

96 100

61 364.1 125.5 233.1#

63 1874.3 104.0 193.1#





#13

Acetone

Concen: 1.748 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

Instrument :

MSVOA_V

ClientSampleId :

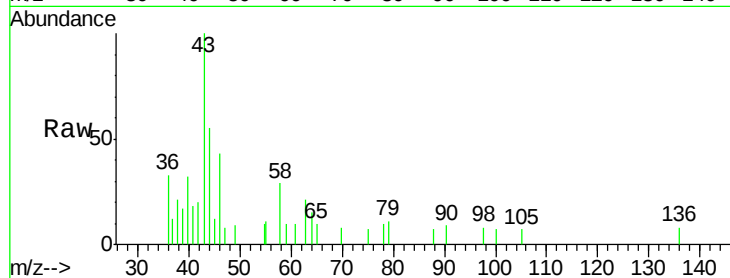
C0AA6

Tot Ion: 43 Resp: 2810

Ion Ratio Lower Upper

43 100

58 6.7 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

1500

1000

500

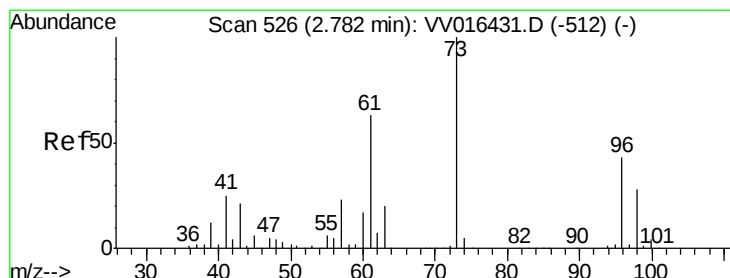
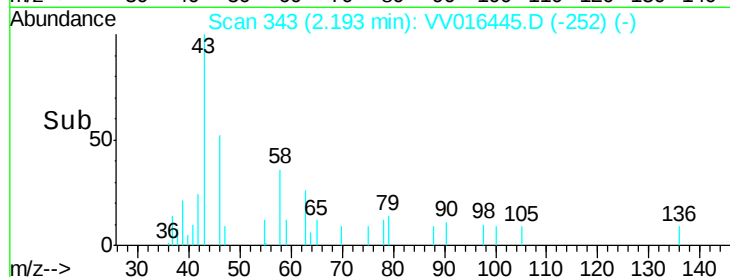
0

Time-->

2.15

2.20

2.25



#17

trans-1,2-Dichloroethene

Concen: 4.491 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

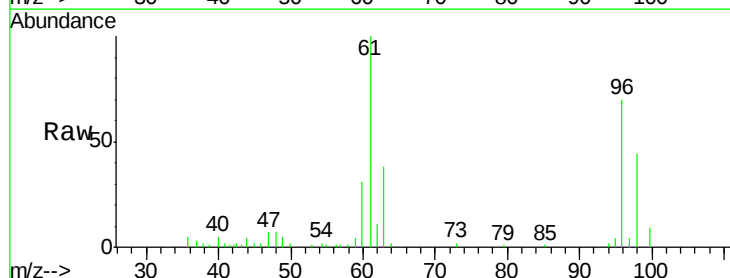
Tgt Ion: 96 Resp: 11949

Ion Ratio Lower Upper

96 100

61 143.8 101.0 187.6

98 63.0 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

12000

10000

8000

6000

4000

2000

0

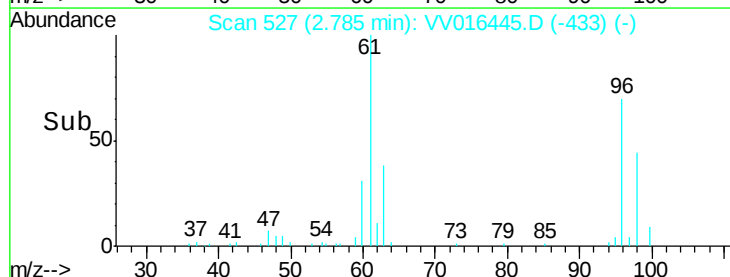
Time-->

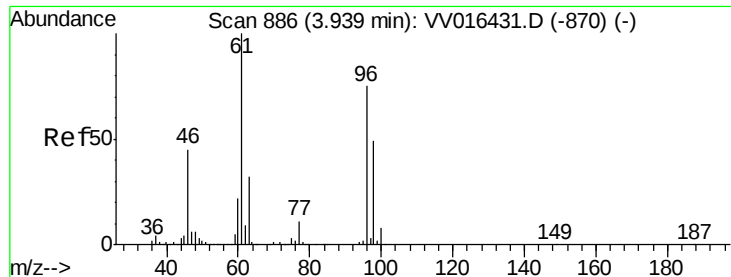
2.70

2.75

2.80

2.85





#20

cis-1,2-Dichloroethene

Concen: 762.576 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

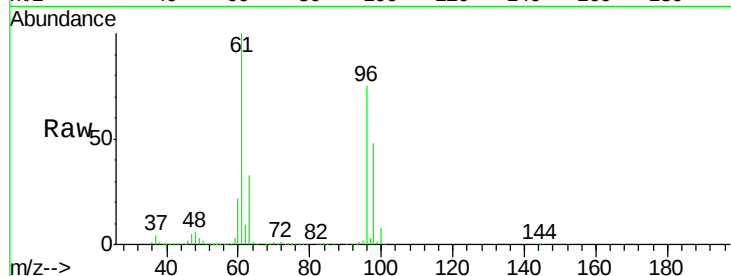
Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

Instrument :
MSVOA_V
ClientSampled :
C0AA6

Tot Ion: 96 Resp: 2189516

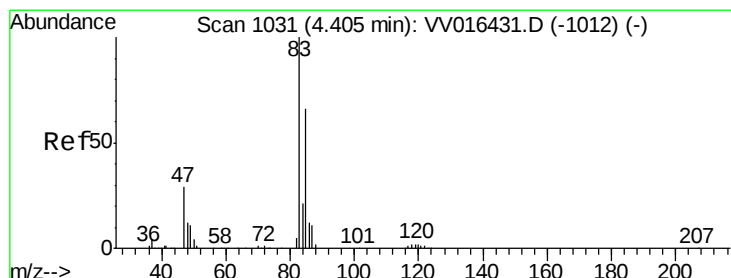
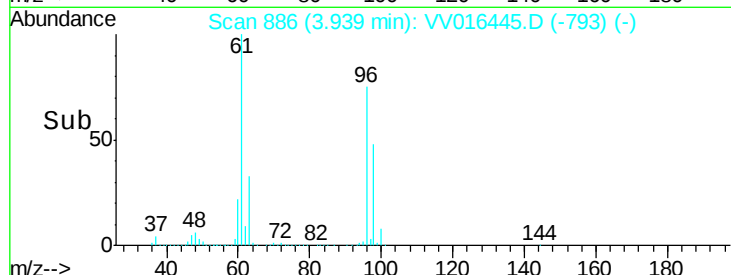
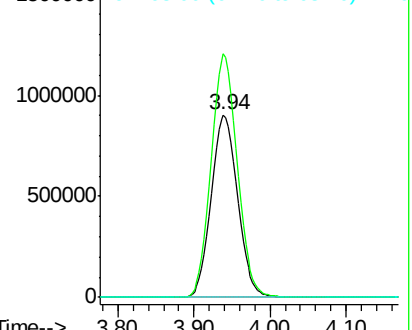
Ion	Ratio	Lower	Upper
96	100		
61	133.3	93.4	173.4
68	0.0	0.0	0.0



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: 4.474 ug/L

RT: 4.40 min Scan# 1030

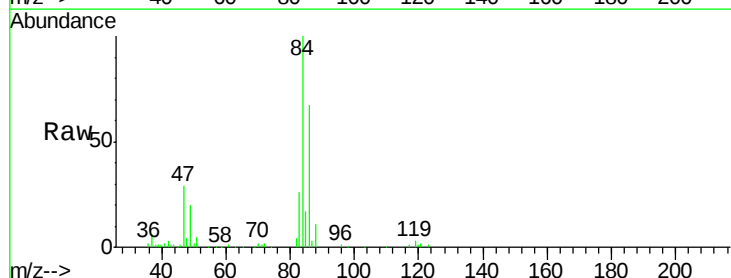
Delta R.T. -0.00 min

Lab File: VV016445.D

Acq: 02 Jun 2020 22:44

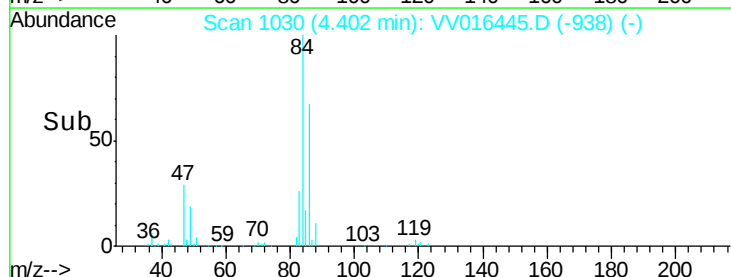
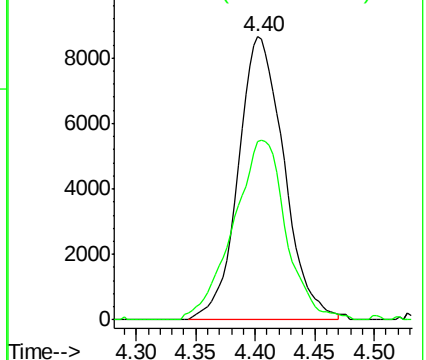
Tgt Ion: 83 Resp: 23072

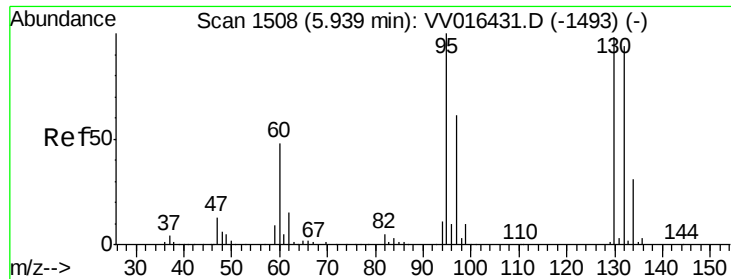
Ion	Ratio	Lower	Upper
83	100		
85	62.9	46.1	85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

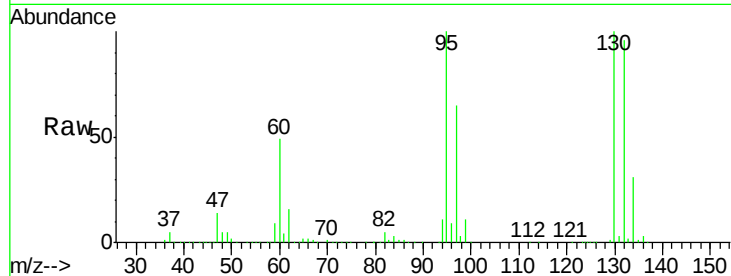




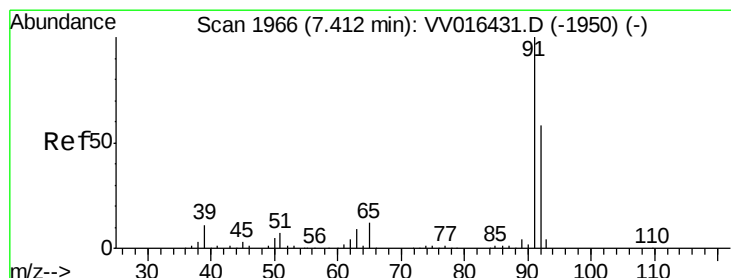
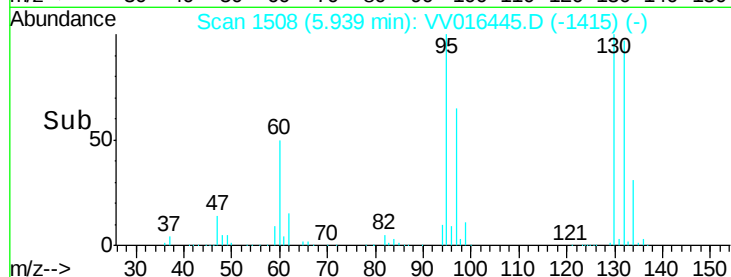
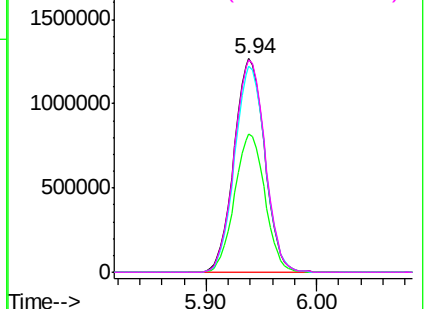
#34
 Trichloroethene
 Concen: 871.260 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV016445.D
 Acq: 02 Jun 2020 22:44

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Tot Ion: 95 Resp: 2428788
 Ion Ratio Lower Upper
 95 100
 97 64.9 42.8 79.6
 132 96.2 65.6 121.8
 130 99.7 69.0 128.1

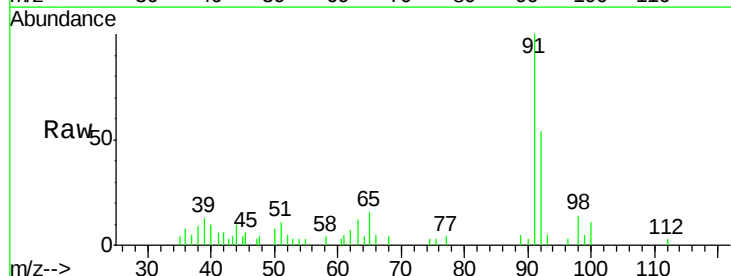


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0



#42
 Toluene
 Concen: 0.664 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: VV016445.D
 Acq: 02 Jun 2020 22:44

Tgt Ion: 91 Resp: 7475
 Ion Ratio Lower Upper
 91 100
 92 54.3 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0

