

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016456.D
 Acq On : 03 Jun 2020 14:56
 Operator : SY/MD
 Sample : L2843-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 01:19:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 01:16:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377867	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	362687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171920	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123204	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.06%
7) Chloroethane-d5	1.58	69	90991	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.18%
11) 1,1-Dichloroethene-d2	2.12	63	173443	36.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.12%
21) 2-Butanone-d5	3.90	46	198420	115.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.95%
24) Chloroform-d	4.38	84	239097	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	166234	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
32) Benzene-d6	5.08	84	488017	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
36) 1,2-Dichloropropane-d6	6.09	67	152243	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.58%
41) Toluene-d8	7.34	98	437068	49.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.08%
43) trans-1,3-Dichloropropene-	7.64	79	71031	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.11	63	149088	115.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	203520	49.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	172042	53.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.50%

Target Compounds

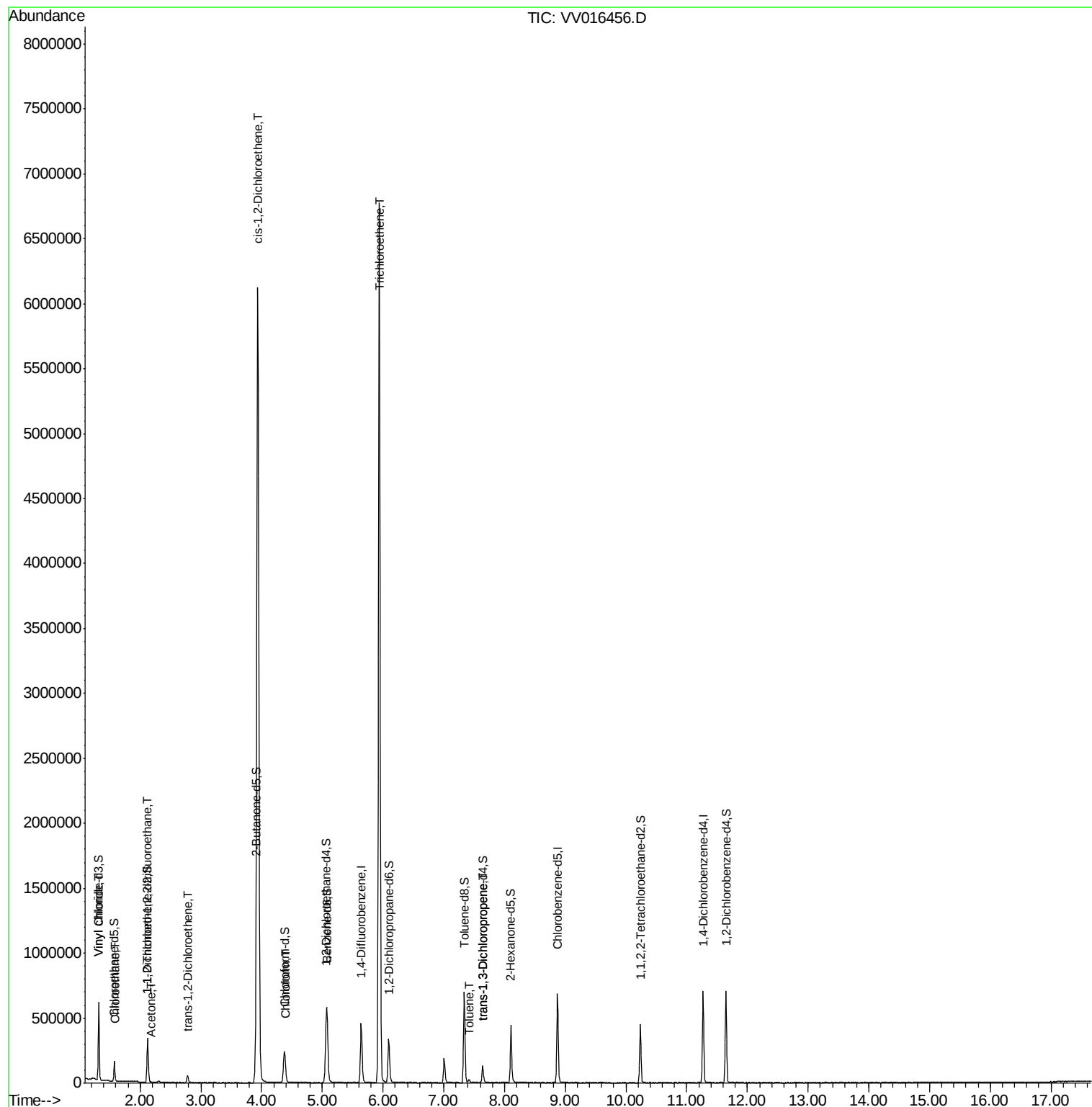
					Ovalue
5) Vinyl chloride	1.32	62	263474	90.778	ug/L 100
8) Chloroethane	1.59	64	1690	1.039	ug/L 85
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1414	0.649	ug/L # 20
13) Acetone	2.18	43	4810	3.007	ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	19150	7.235	ug/L 95
20) cis-1,2-Dichloroethene	3.94	96	3347895	1171.978	ug/L 100
25) Chloroform	4.40	83	4354	0.849	ug/L 95
34) Trichloroethene	5.94	95	2280350	814.747	ug/L 96
42) Toluene	7.41	91	16232	1.436	ug/L 98
44) trans-1,3-Dichloropropene	7.64	75	3620	0.910	ug/L 84

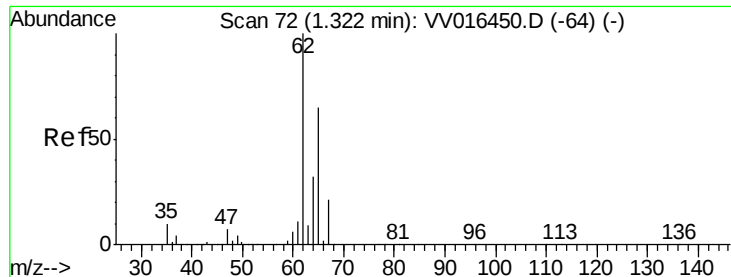
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 04 01:16:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 90.778 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016456.D

Acq: 03 Jun 2020 14:56

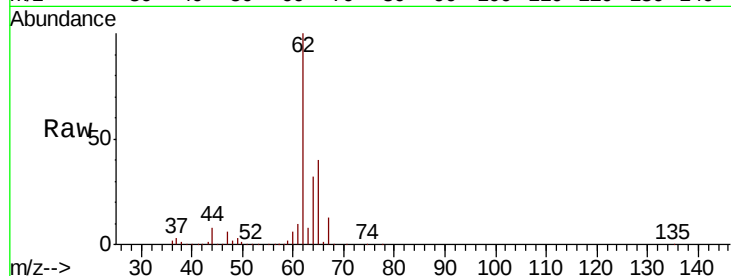
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 263474

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV016456.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV016456.D (-64) (-)

1.32

250000

200000

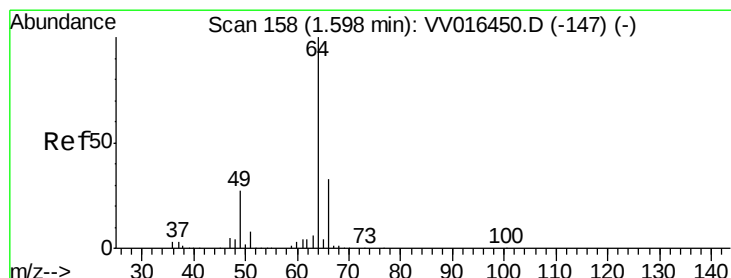
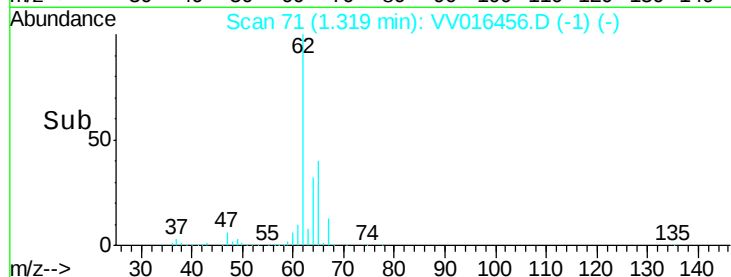
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 1.039 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV016456.D

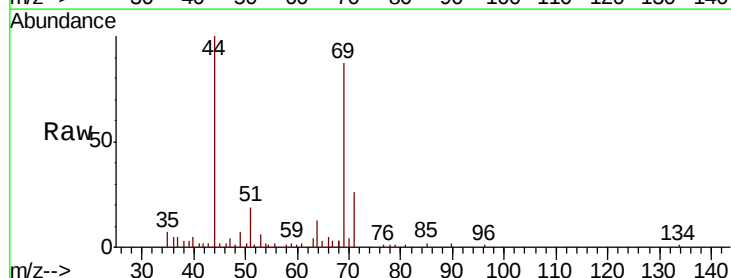
Acq: 03 Jun 2020 14:56

Tgt Ion: 64 Resp: 1690

Ion Ratio Lower Upper

64 100

66 38.8 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016456.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV016456.D (-147) (-)

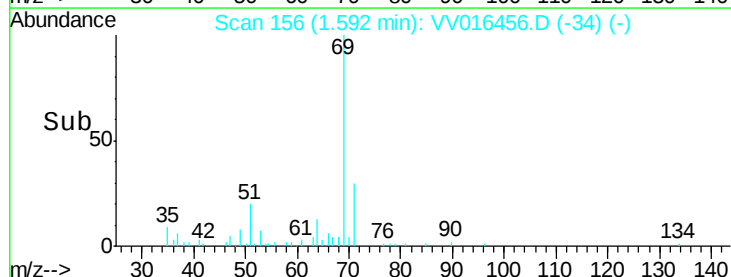
1500

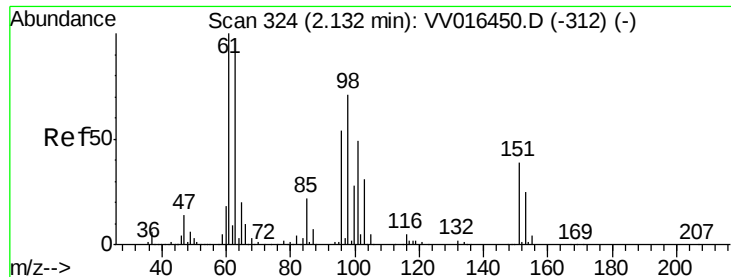
1000

500

0

Time-->





#10

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

Concen: 0.649 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016456.D

Acq: 03 Jun 2020 14:56

Instrument :

MSVOA_V

ClientSampled :

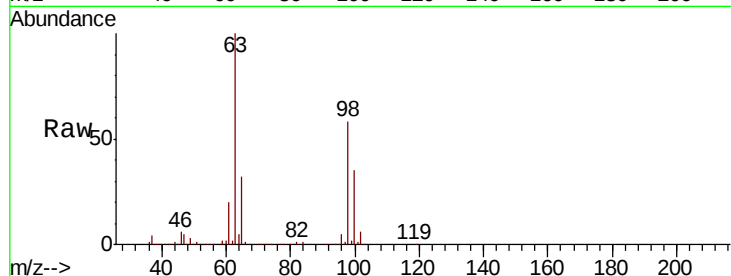
Tot Ion:101 Resp: 1414

Ion Ratio Lower Upper

101 100

85 3.0 35.6 53.4#

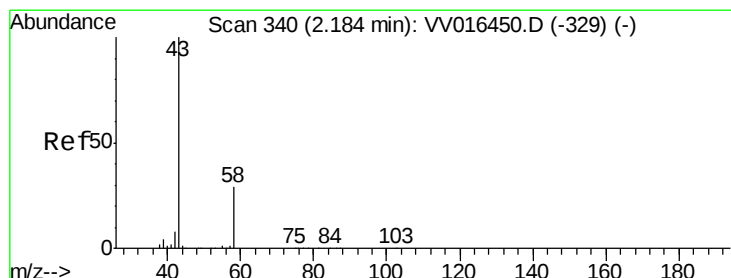
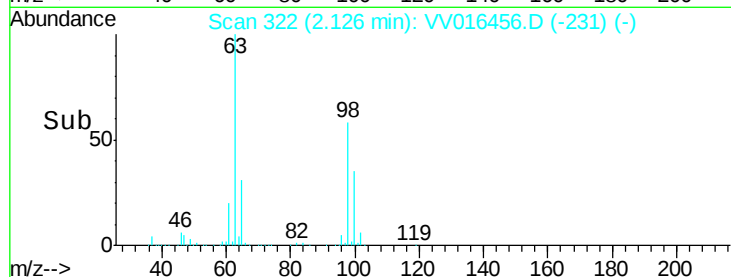
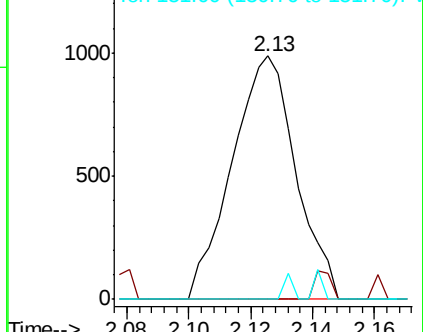
151 0.0 61.8 92.8#



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



#13

Acetone

Concen: 3.007 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.01 min

Lab File: VV016456.D

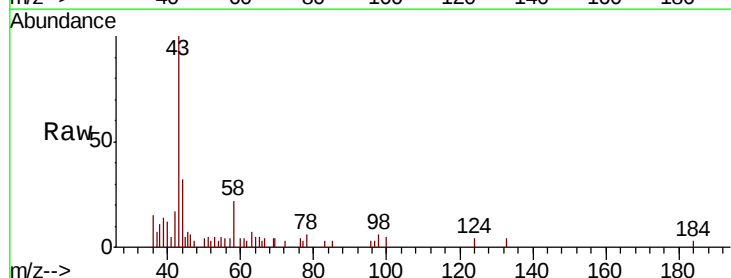
Acq: 03 Jun 2020 14:56

Tgt Ion: 43 Resp: 4810

Ion Ratio Lower Upper

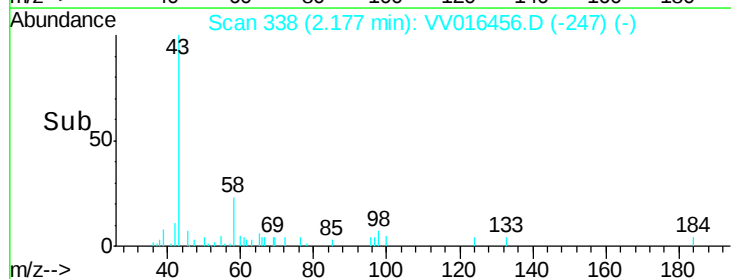
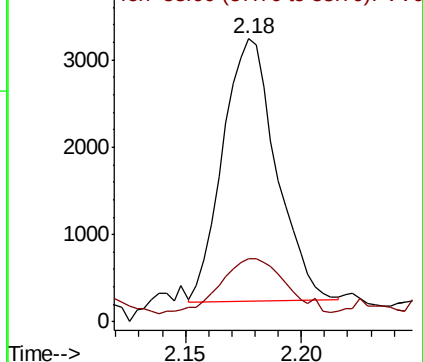
43 100

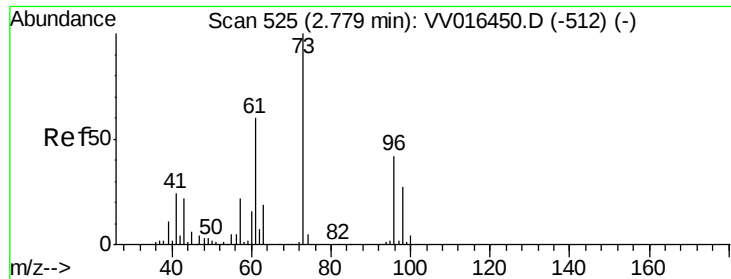
58 24.3 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 7.235 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016456.D

Acq: 03 Jun 2020 14:56

Instrument :
MSVOA_V
ClientSampleId :

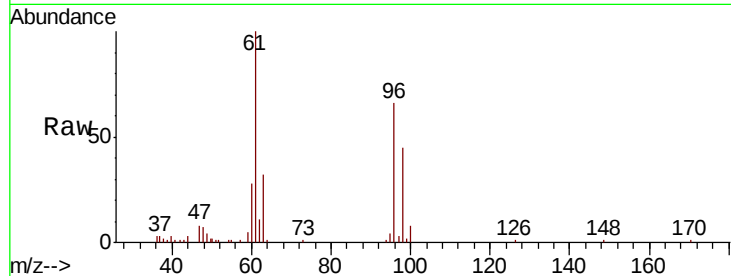
Tot Ion: 96 Resp: 19150

Ion Ratio Lower Upper

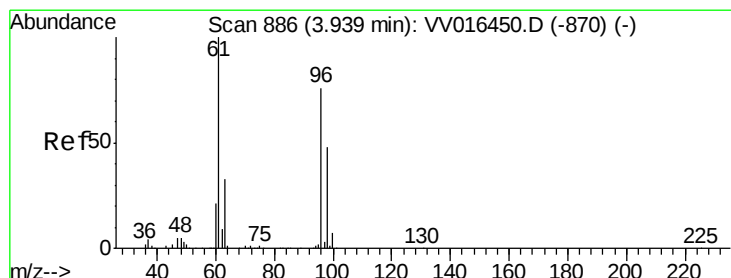
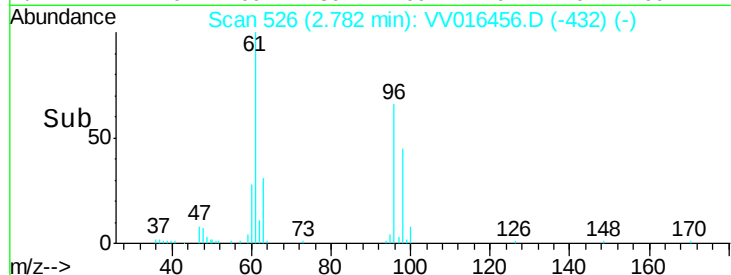
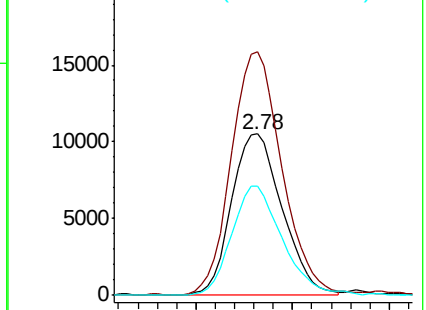
96 100

61 150.8 101.0 187.6

98 67.4 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: 1171.978 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016456.D

Acq: 03 Jun 2020 14:56

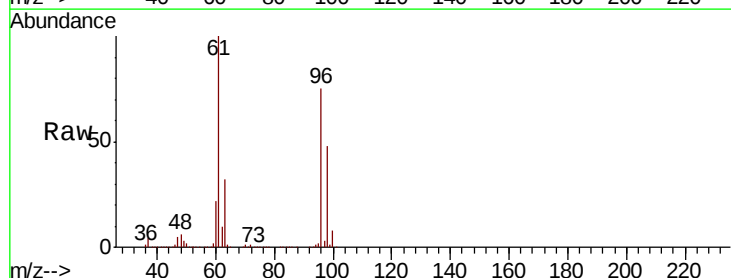
Tgt Ion: 96 Resp: 3347895

Ion Ratio Lower Upper

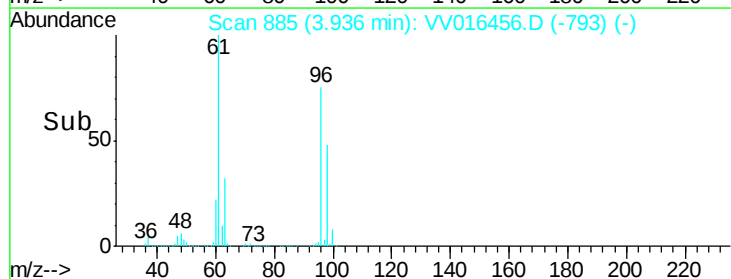
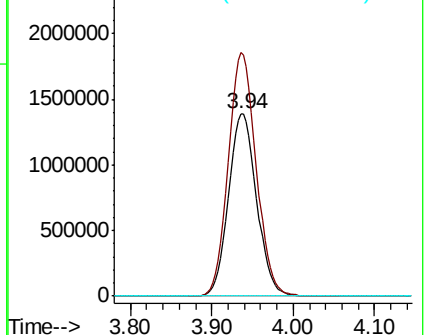
96 100

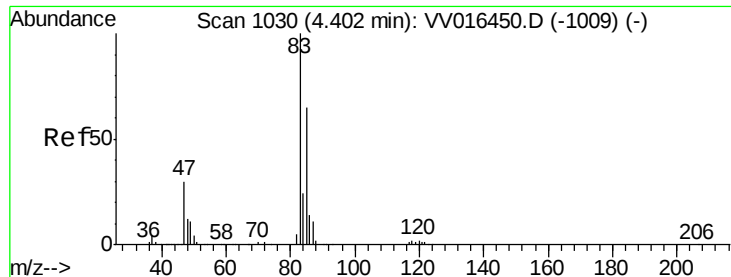
61 133.6 93.4 173.4

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

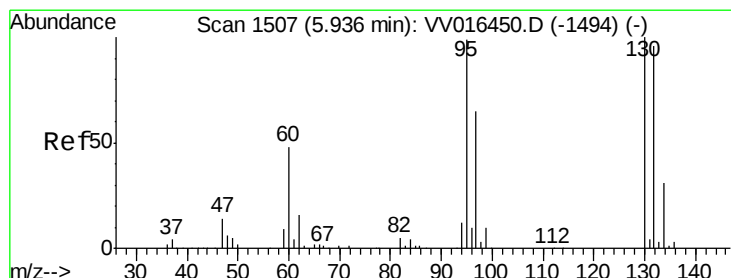
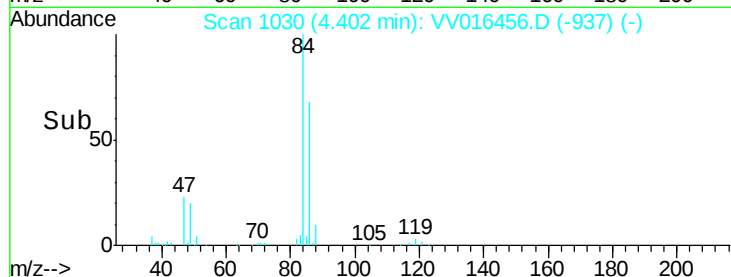
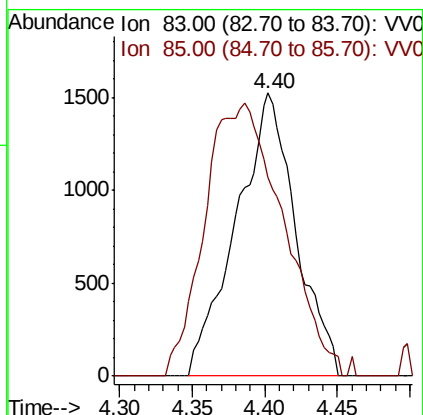
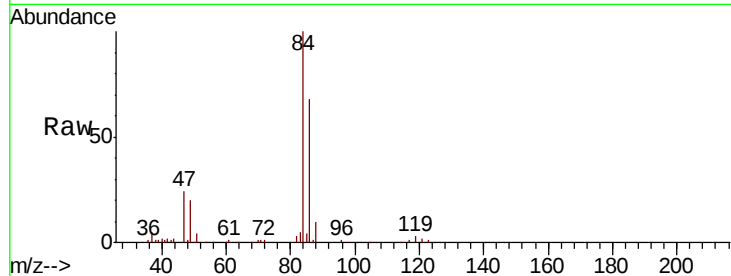




#25
Chloroform
Concen: 0.849 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016456.D
Acq: 03 Jun 2020 14:56

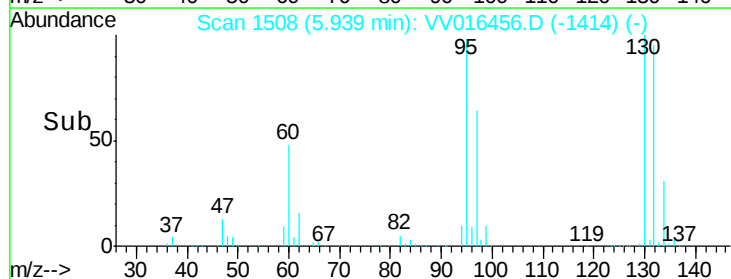
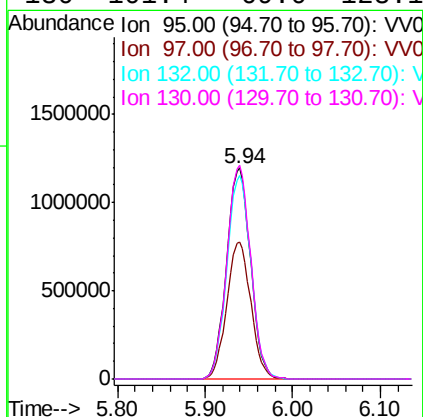
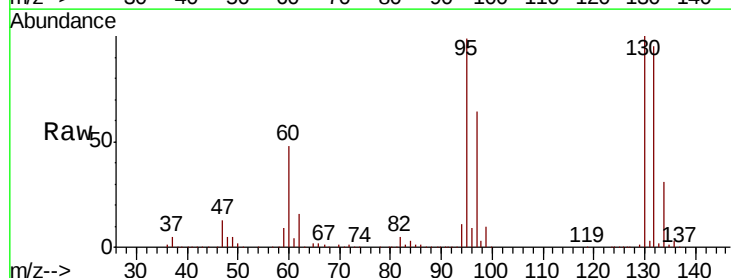
Instrument :
MSVOA_V
ClientSampleId :

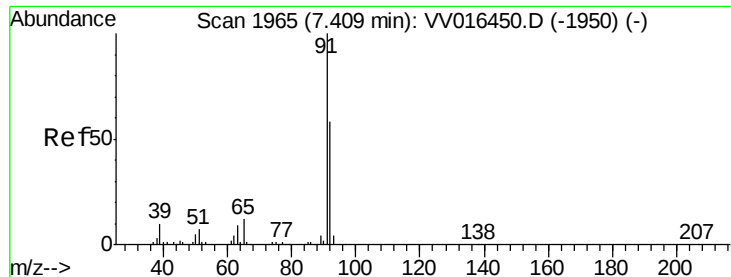
Tot Ion: 83 Resp: 4354
Ion Ratio Lower Upper
83 100
85 70.2 46.1 85.7



#34
Trichloroethene
Concen: 814.747 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV016456.D
Acq: 03 Jun 2020 14:56

Tgt Ion: 95 Resp: 2280350
Ion Ratio Lower Upper
95 100
97 65.3 42.8 79.6
132 96.7 65.6 121.8
130 101.4 69.0 128.1





#42

Toluene

Concen: 1.436 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016456.D

Acq: 03 Jun 2020 14:56

Instrument :

MSVOA_V

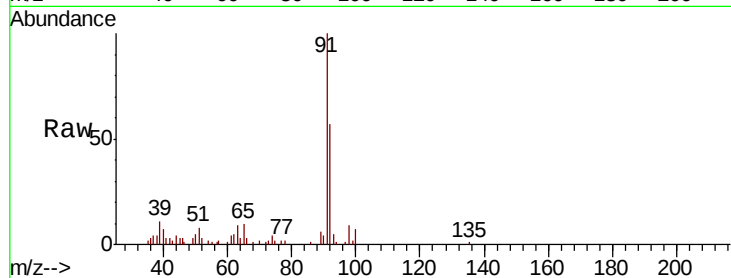
ClientSampled :

Tot Ion: 91 Resp: 16232

Ion Ratio Lower Upper

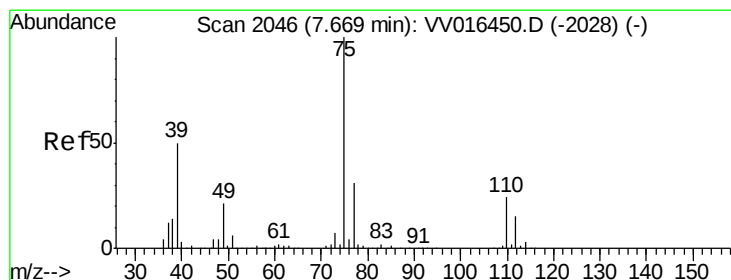
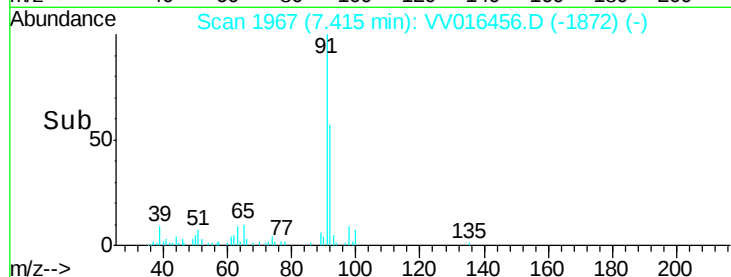
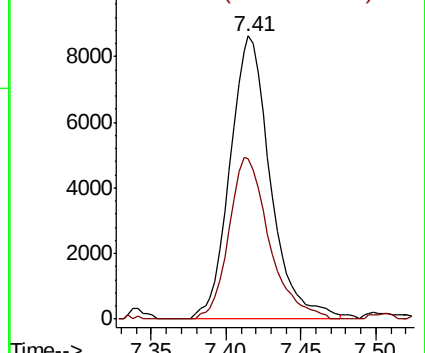
91 100

92 56.5 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV016450.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV016456.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.910 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016456.D

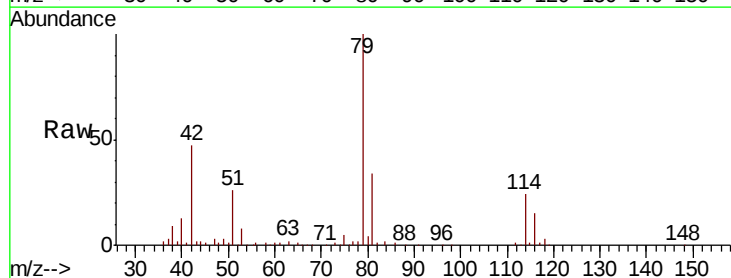
Acq: 03 Jun 2020 14:56

Tgt Ion: 75 Resp: 3620

Ion Ratio Lower Upper

75 100

77 40.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV016450.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV016456.D (-1953) (-)

