

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017009.D
 Acq On : 19 Jun 2020 18:58
 Operator : SY/MD
 Sample : L3074-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M21

Quant Time: Jun 20 04:53:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	374537	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368029	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123287	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.30%
7) Chloroethane-d5	1.58	69	74698	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.12	63	177896	40.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.18%
21) 2-Butanone-d5	3.93	46	173221	88.56	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.56%
24) Chloroform-d	4.38	84	245376	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	5.06	65	174749	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
32) Benzene-d6	5.08	84	466177	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.10	67	147837	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.40%
41) Toluene-d8	7.34	98	437675	44.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.92%
43) trans-1,3-Dichloropropene-	7.64	79	72082	41.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.70%
47) 2-Hexanone-d5	8.11	63	128781	89.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189441	43.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	181928	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%

Target Compounds

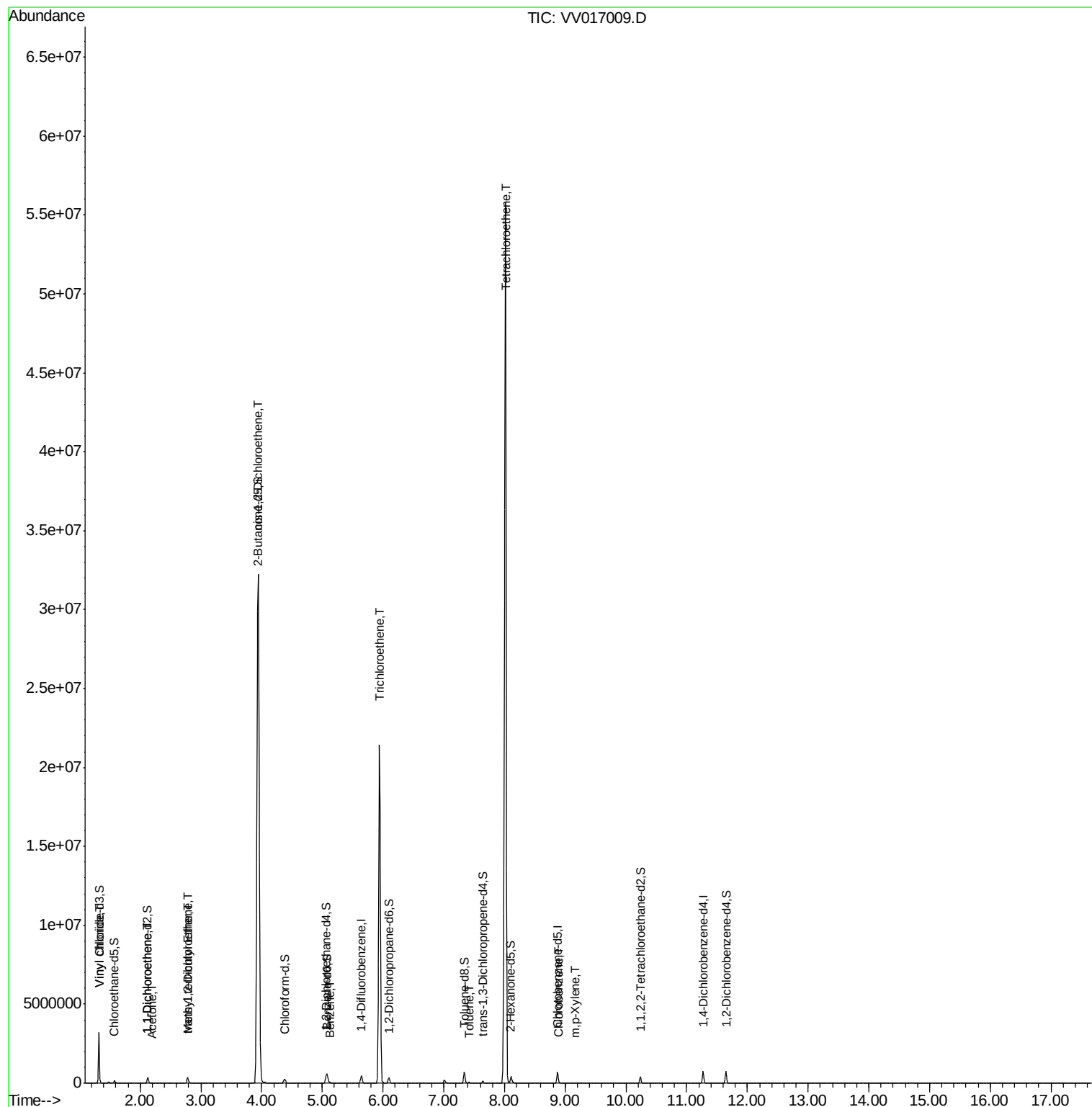
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1816845	680.370	ug/L	99
12) 1,1-Dichloroethene	2.14	96	28426	15.292	ug/L #	29
13) Acetone	2.20	43	3710	2.879	ug/L	67
17) trans-1,2-Dichloroethene	2.78	96	109528	43.214	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	53975	6.427	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	18309735	6626.354	ug/L #	92
33) Benzene	5.13	78	23939	2.198	ug/L	100
34) Trichloroethene	5.94	95	7404723	2535.548	ug/L	97
42) Toluene	7.41	91	36887	3.213	ug/L	96
46) Tetrachloroethene	8.02	164	13717735	5972.530	ug/L	95
51) Chlorobenzene	8.91	112	6812	0.910	ug/L	96
53) m,p-Xylene	9.16	106	4673	0.987	ug/L	92

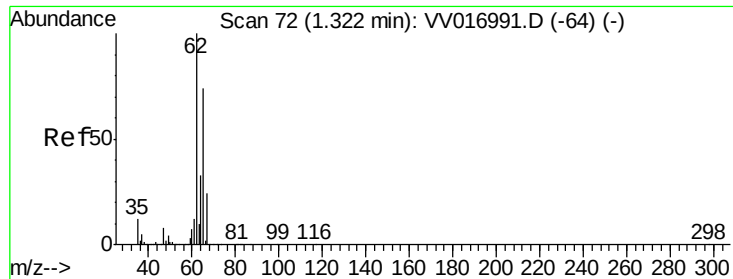
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 680.370 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

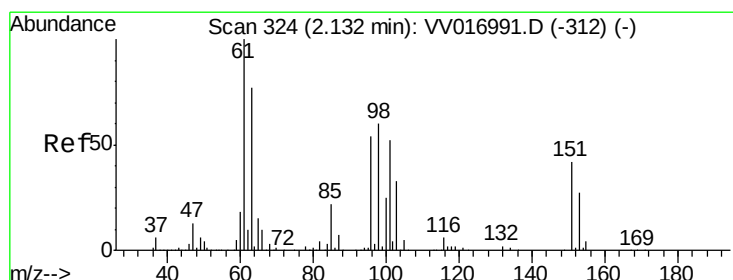
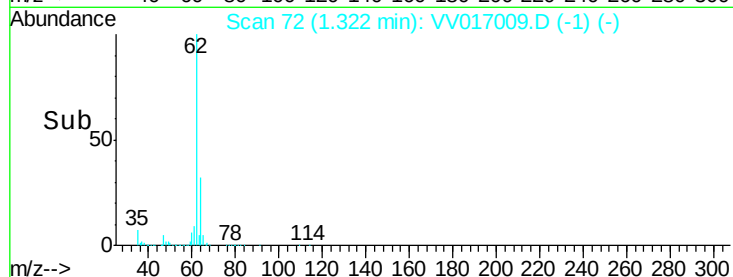
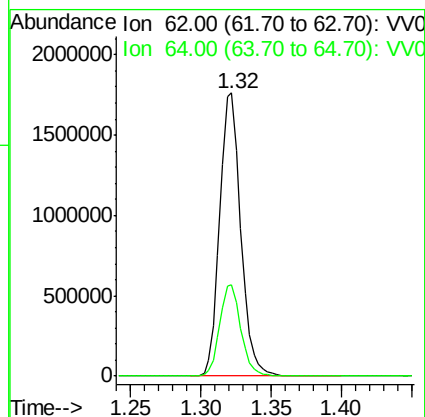
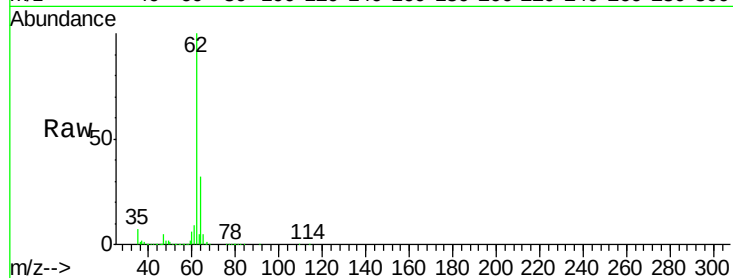
F9M21

Tot Ion: 62 Resp: 1816845

Ion Ratio Lower Upper

62 100

64 32.5 22.3 41.5



#12

1,1-Dichloroethene

Concen: 15.292 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

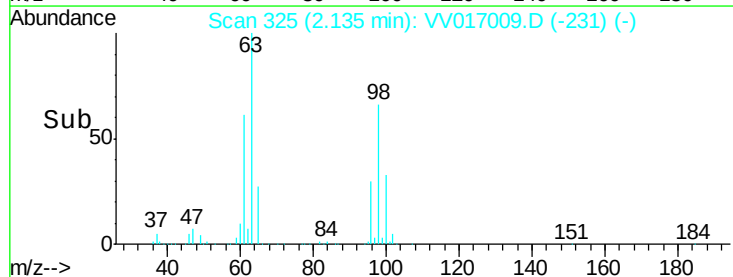
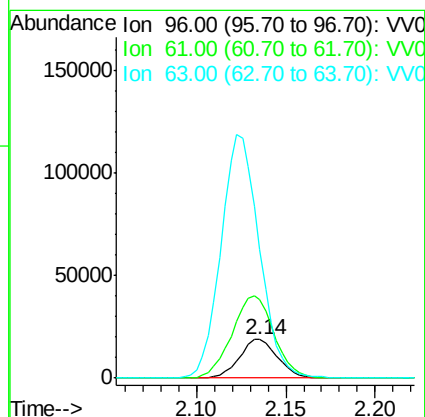
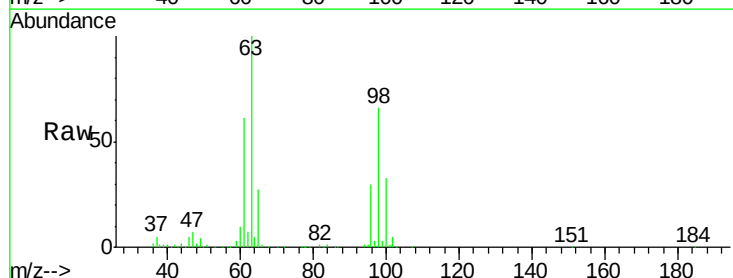
Tgt Ion: 96 Resp: 28426

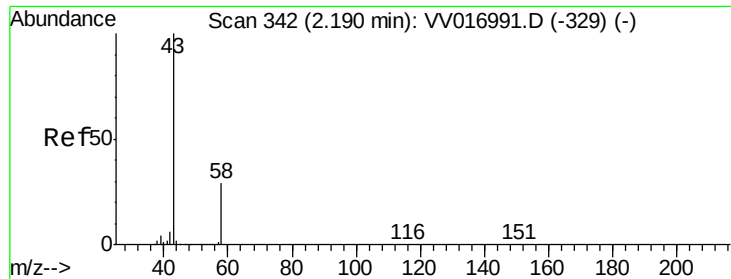
Ion Ratio Lower Upper

96 100

61 201.8 130.4 242.2

63 331.8 103.3 191.9#





#13

Acetone

Concen: 2.879 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

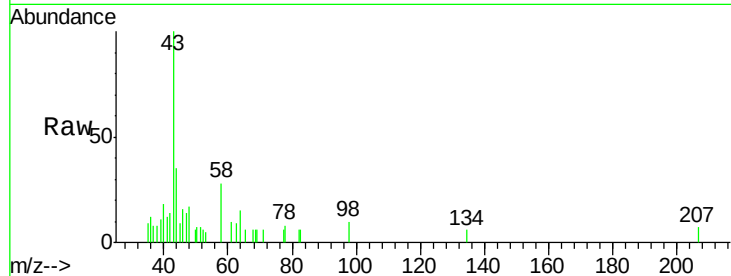
F9M21

Tot Ion: 43 Resp: 3710

Ion Ratio Lower Upper

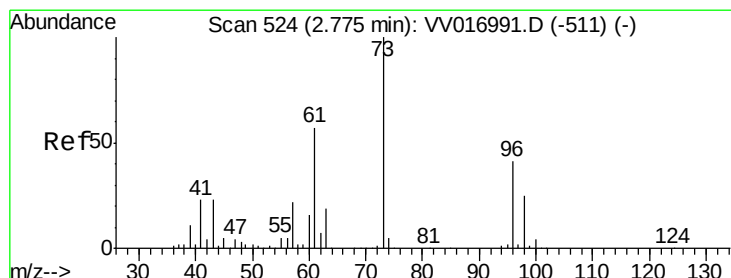
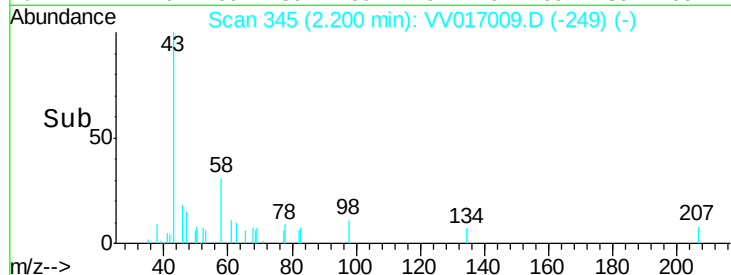
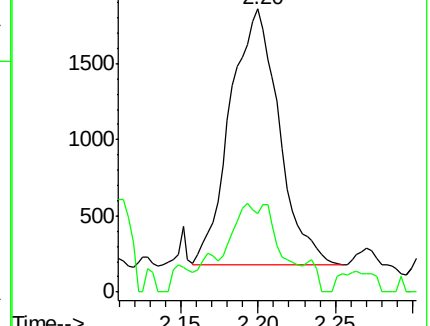
43 100

58 10.2 0.0 55.2



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: 43.214 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

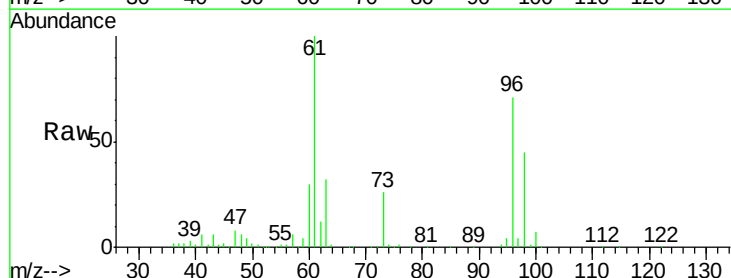
Tgt Ion: 96 Resp: 109528

Ion Ratio Lower Upper

96 100

61 141.5 102.9 191.1

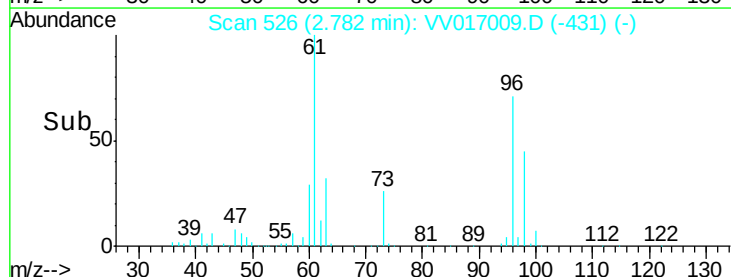
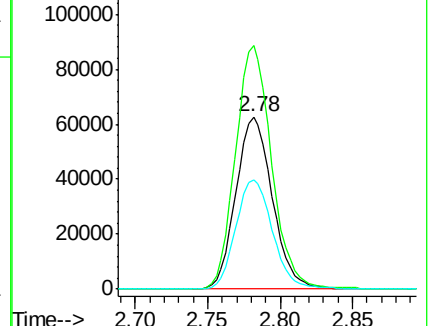
98 63.5 45.5 84.5

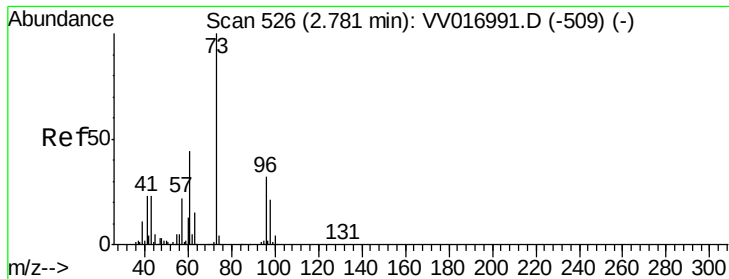


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

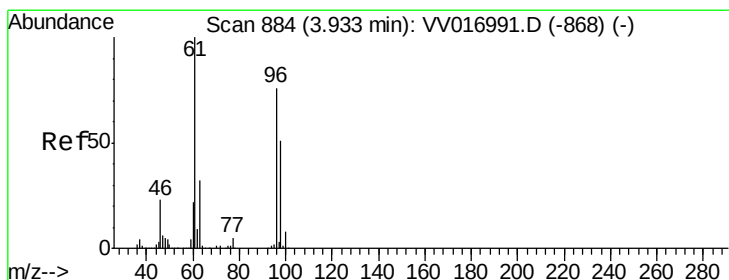
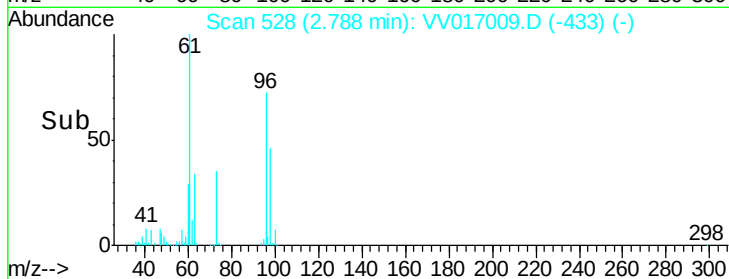
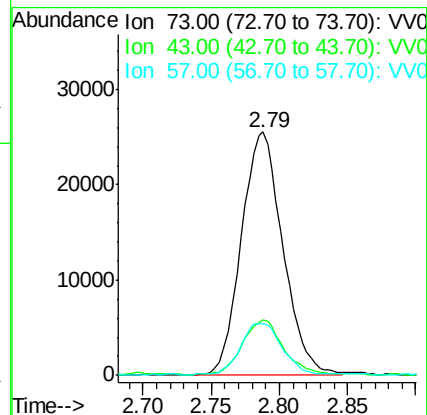
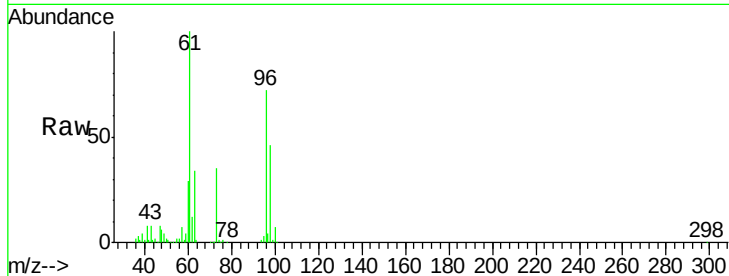




#18
Methyl tert-butyl Ether
Concen: 6.427 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV017009.D
Acq: 19 Jun 2020 18:58

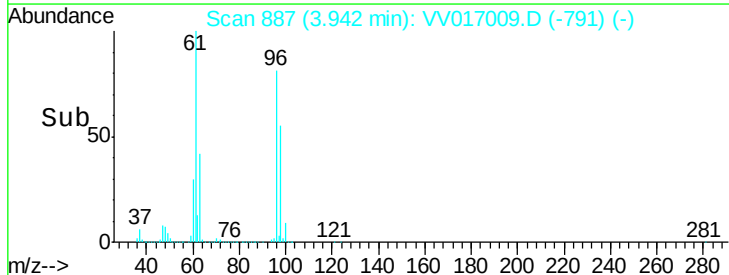
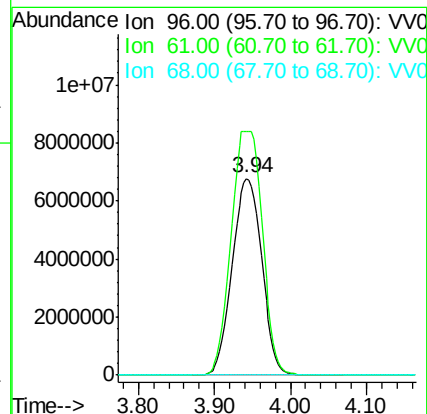
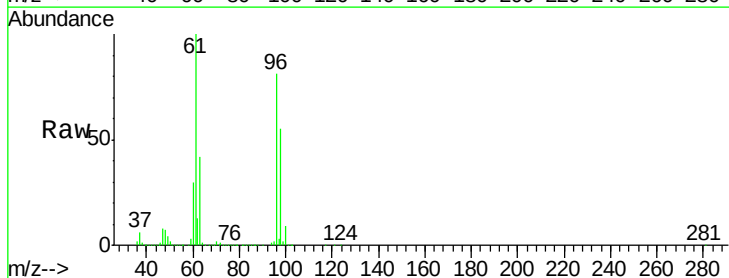
Instrument :
MSVOA_V
ClientSampleId :
F9M21

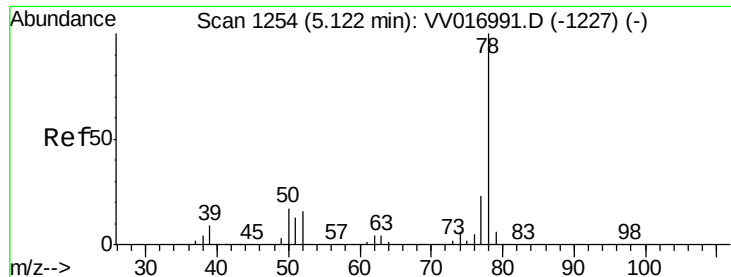
Tot Ion: 73 Resp: 53975
Ion Ratio Lower Upper
73 100
43 23.1 17.8 26.6
57 21.8 17.7 26.5



#20
cis-1,2-Dichloroethene
Concen: 6626.354 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017009.D
Acq: 19 Jun 2020 18:58

Tgt Ion: 96 Resp: 18309735
Ion Ratio Lower Upper
96 100
61 124.0 93.4 173.4
68 0.0 0.0 0.0#





#33

Benzene

Concen: 2.198 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

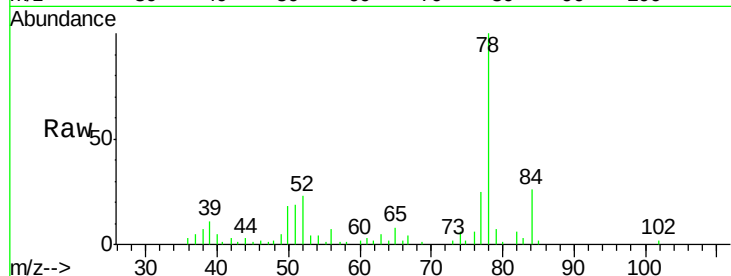
Instrument :

MSVOA_V

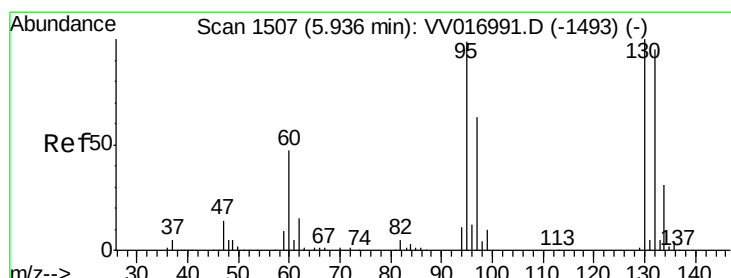
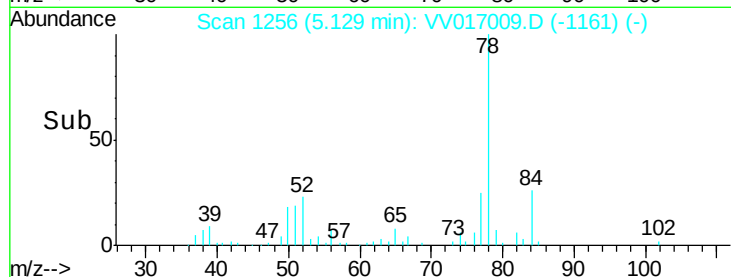
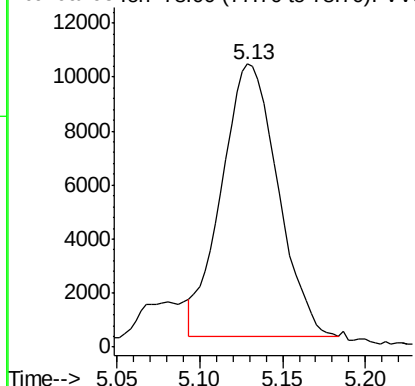
ClientSampled :

F9M21

Tgt Ion: 78 Resp: 23939



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2535.548 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

Tgt Ion: 95 Resp: 7404723

Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.3	82.3
132	95.4	67.9	126.1
130	99.2	72.2	134.2

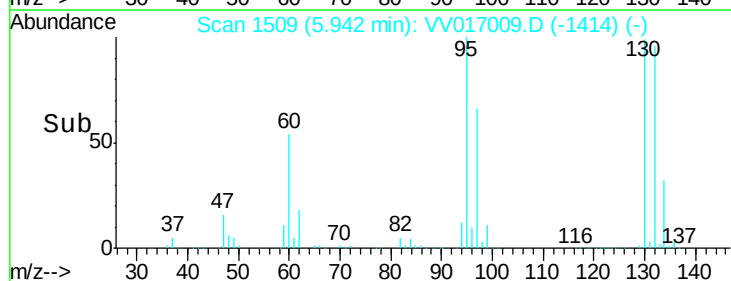
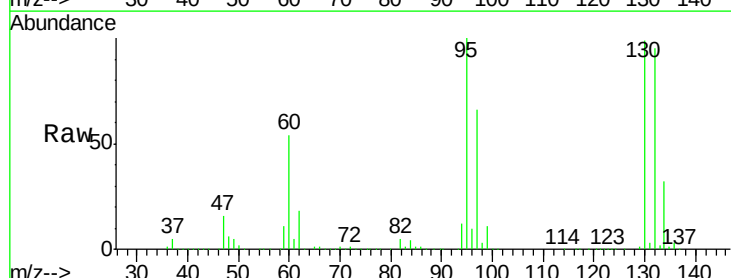
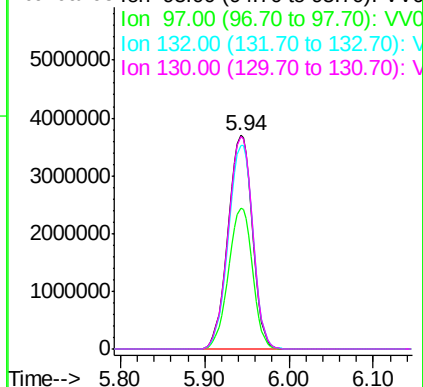
Ion 95.00 (94.70 to 95.70): VV0

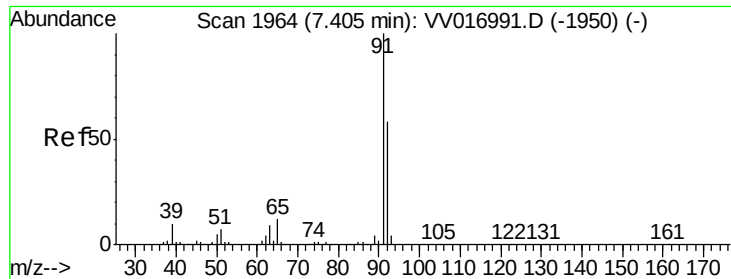
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0





#42

Toluene

Concen: 3.213 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

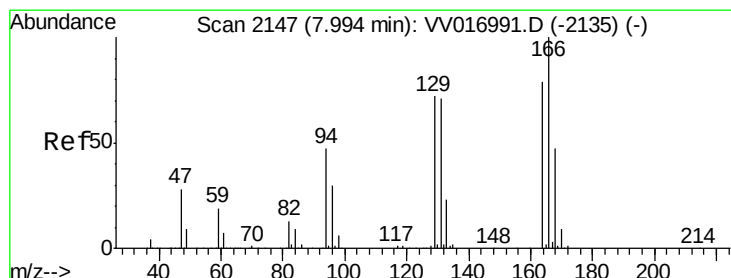
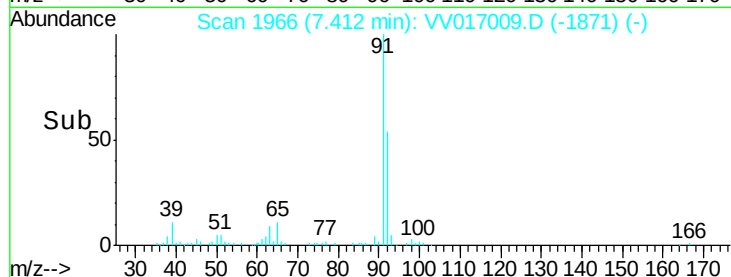
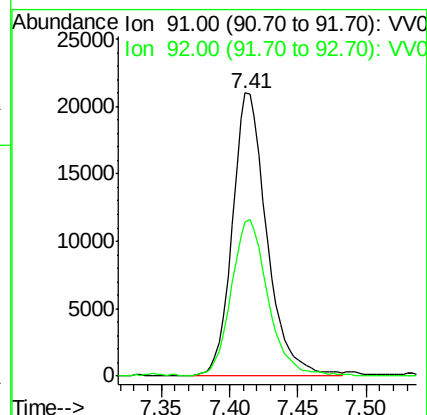
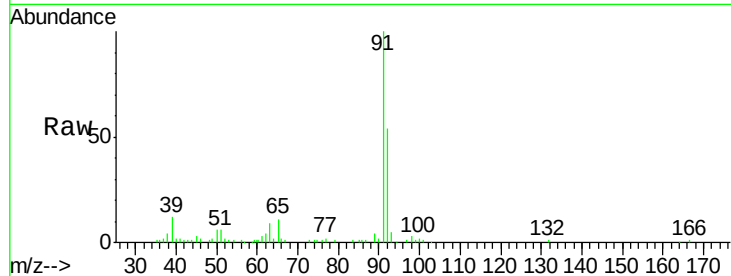
F9M21

Tot Ion: 91 Resp: 36887

Ion Ratio Lower Upper

91 100

92 54.5 40.4 75.0



#46

Tetrachloroethene

Concen: 5972.530 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.03 min

Lab File: VV017009.D

Acq: 19 Jun 2020 18:58

Tgt Ion: 164 Resp: 13717735

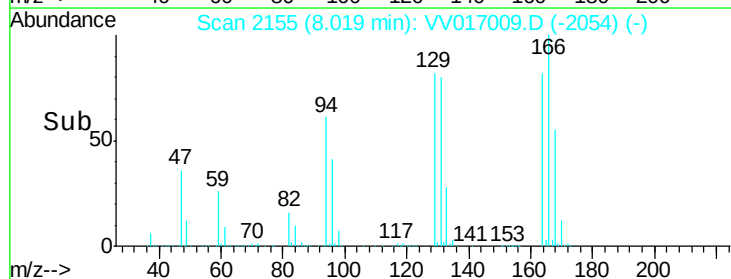
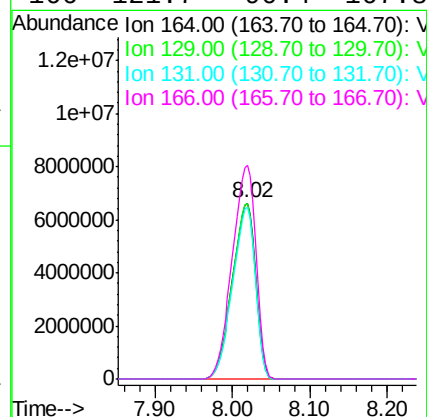
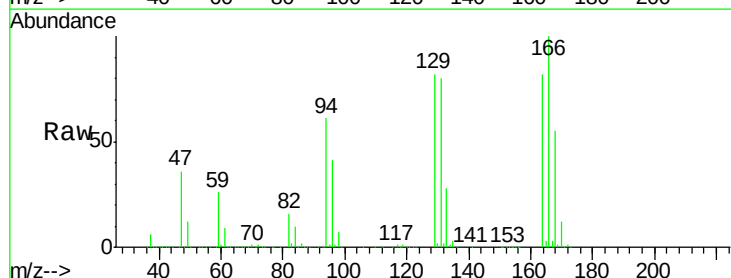
Ion Ratio Lower Upper

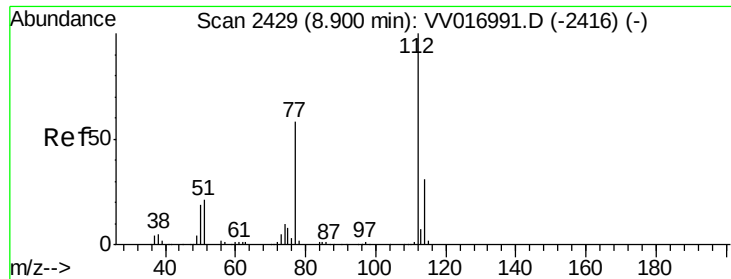
164 100

129 99.8 67.0 124.4

131 97.7 64.8 120.3

166 121.7 90.4 167.8

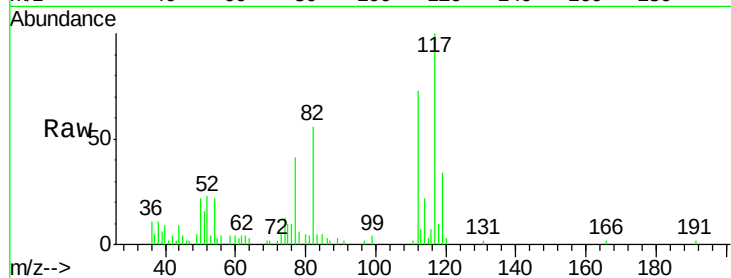




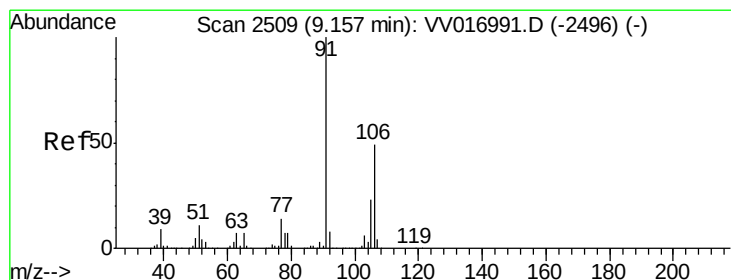
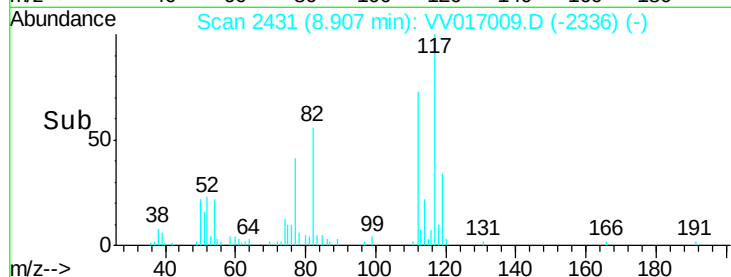
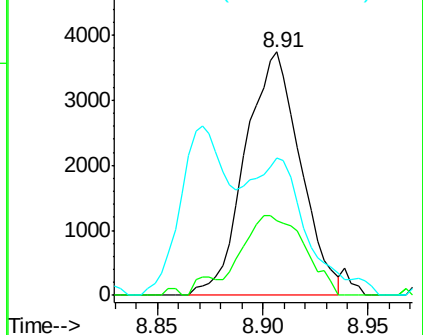
#51
Chlorobenzene
Concen: 0.910 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV017009.D
Acq: 19 Jun 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
F9M21

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.3	41.3
77	56.4	47.9	71.9

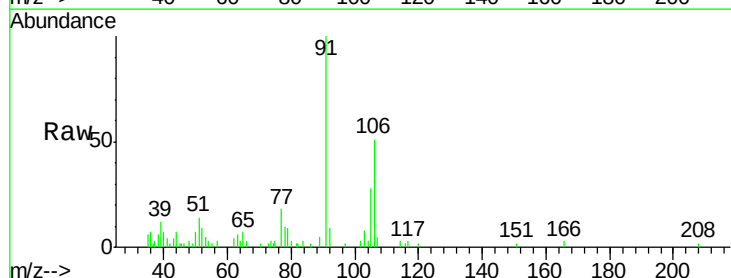


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#53
m,p-Xylene
Concen: 0.987 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV017009.D
Acq: 19 Jun 2020 18:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.3	144.6	268.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

