

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017001.D
 Acq On : 19 Jun 2020 15:27
 Operator : SY/MD
 Sample : L3074-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 02:06:32 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	353994	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341194	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123116	49.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.58%
7) Chloroethane-d5	1.58	69	73400	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.12	63	179399	42.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.54%
21) 2-Butanone-d5	3.93	46	171038	92.52	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.52%
24) Chloroform-d	4.38	84	239464	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.06	65	170037	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.07	84	463634	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
36) 1,2-Dichloropropane-d6	6.09	67	145780	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.34	98	433350	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%
43) trans-1,3-Dichloropropene-	7.64	79	75231	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.22%
47) 2-Hexanone-d5	8.11	63	126979	95.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	187764	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	180521	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1724394	683.223	ug/L	100
8) Chloroethane	1.59	64	3582	2.873	ug/L #	74
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1586	0.843	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	29060	16.540	ug/L #	16
13) Acetone	2.19	43	2460	2.020	ug/L	75
17) trans-1,2-Dichloroethene	2.78	96	108454	45.273	ug/L	92
18) Methyl tert-butyl Ether	2.78	73	54672	6.888	ug/L	97
19) 1,1-Dichloroethane	3.22	63	3672	0.814	ug/L	100
33) Benzene	5.13	78	27214	2.696	ug/L	100
34) Trichloroethene	5.94	95	8007873	2957.745	ug/L	97
42) Toluene	7.41	91	37469	3.521	ug/L	98
44) trans-1,3-Dichloropropene	7.64	75	3864	0.975	ug/L #	80
46) Tetrachloroethene	8.02	164	15103364	7093.005	ug/L	93
51) Chlorobenzene	8.91	112	7324	1.055	ug/L	89
53) m,p-Xylene	9.17	106	5084	1.158	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
Data File : VV017001.D
Acq On : 19 Jun 2020 15:27
Operator : SY/MD
Sample : L3074-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 20 02:06:32 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

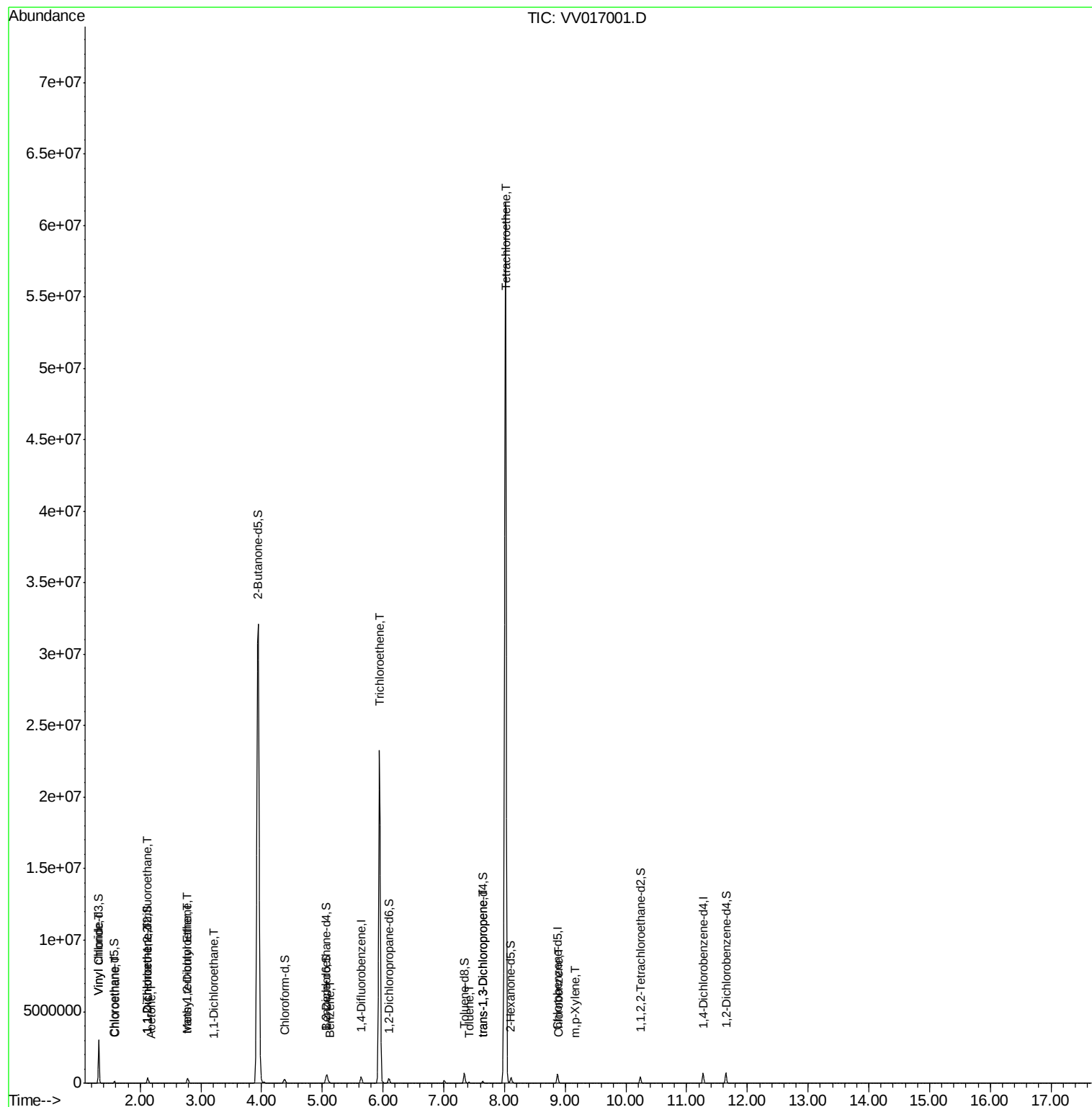
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

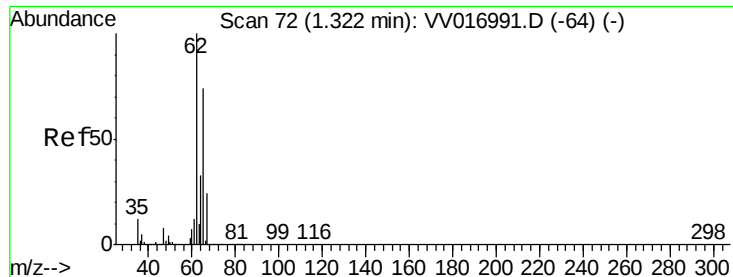
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
Data File : VV017001.D
Acq On : 19 Jun 2020 15:27
Operator : SY/MD
Sample : L3074-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 20 02:06:32 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





#5

Vinyl chloride

Concen: 683.223 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

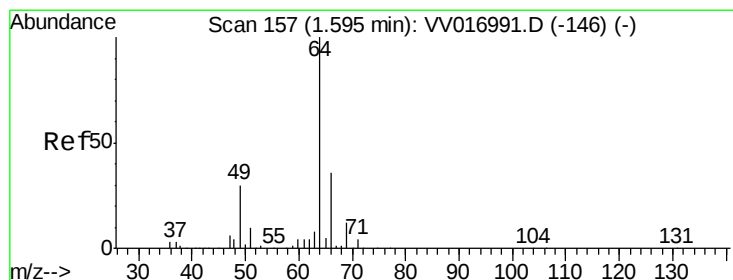
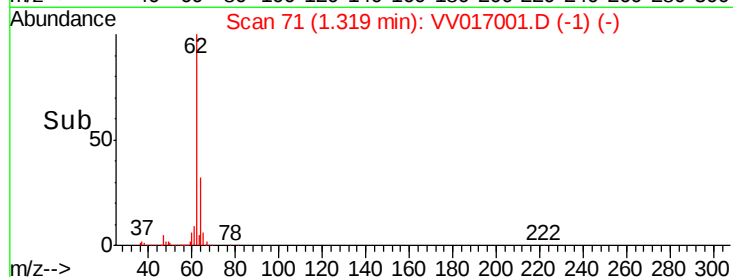
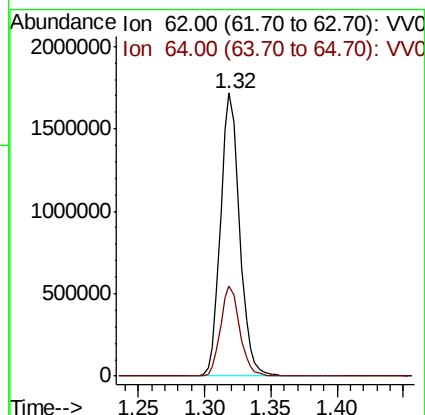
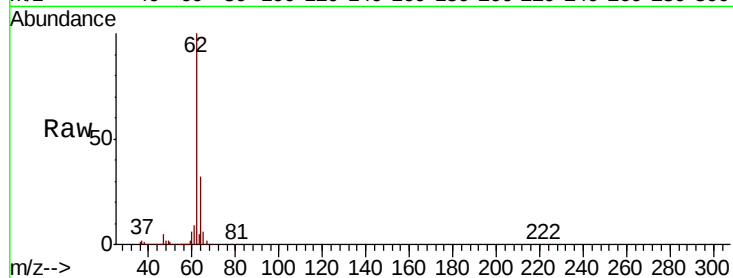
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1724394

Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.5



#8

Chloroethane

Concen: 2.873 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017001.D

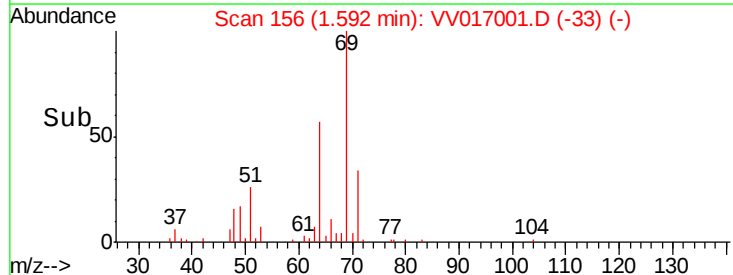
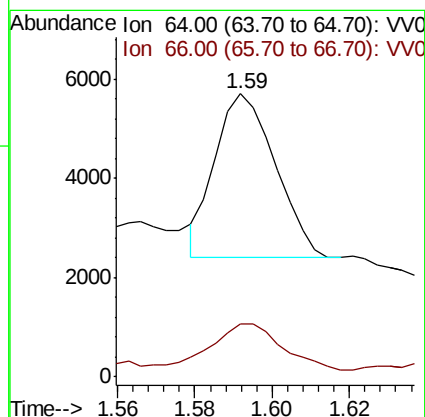
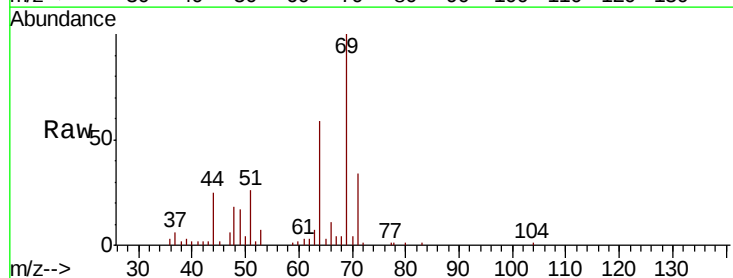
Acq: 19 Jun 2020 15:27

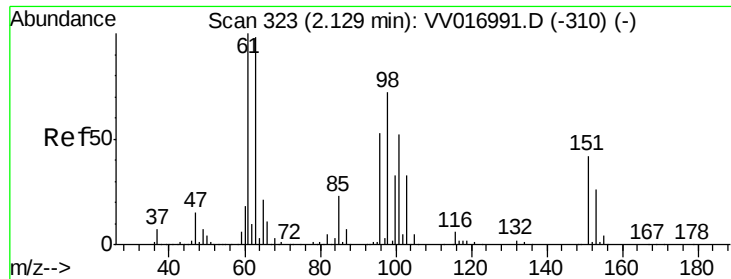
Tgt Ion: 64 Resp: 3582

Ion Ratio Lower Upper

64 100

66 18.6 23.2 43.0#





#10

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

Concen: 0.843 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

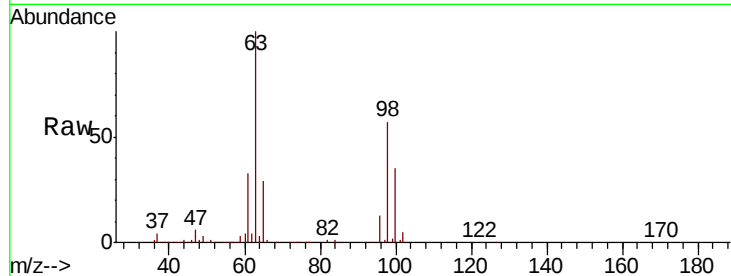
Tot Ion:101 Resp: 1586

Ion Ratio Lower Upper

101 100

85 8.1 35.5 53.3#

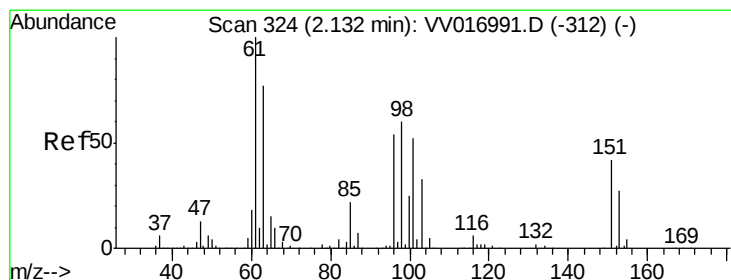
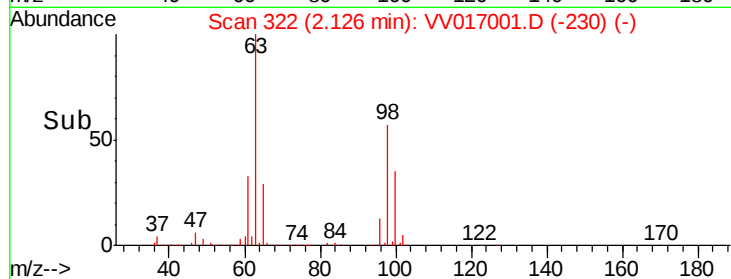
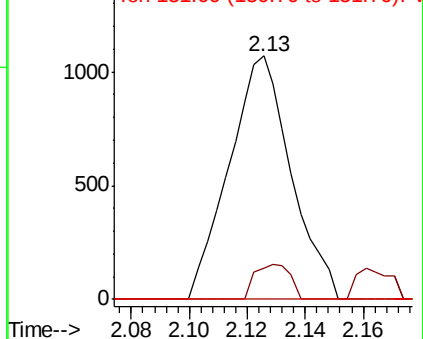
151 0.0 63.9 95.9#



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: 16.540 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

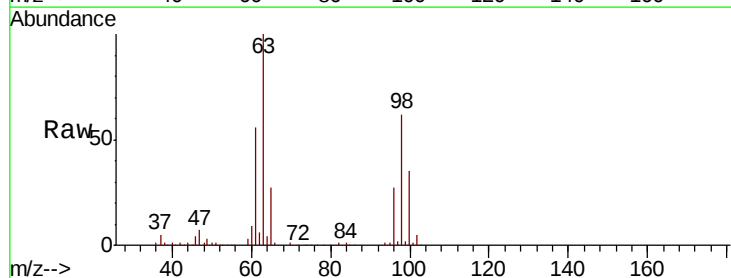
Tgt Ion: 96 Resp: 29060

Ion Ratio Lower Upper

96 100

61 204.1 130.4 242.2

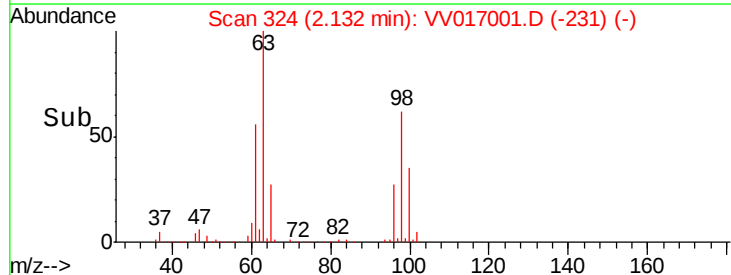
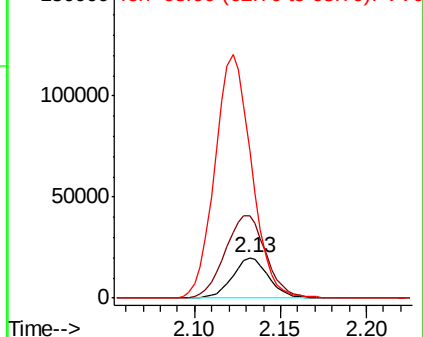
63 365.6 103.3 191.9#

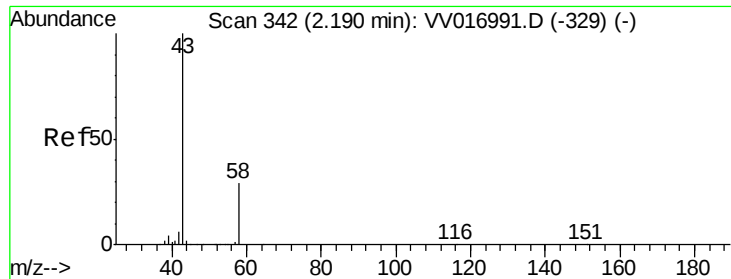


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.020 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

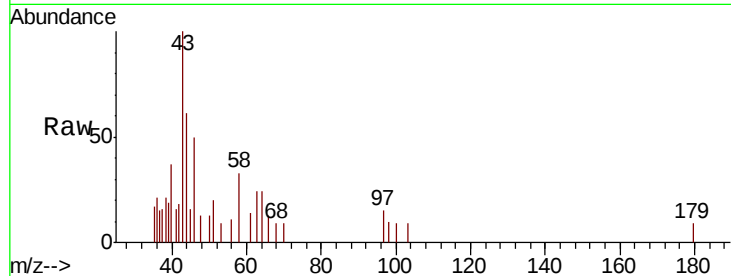
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2460

Ion Ratio Lower Upper

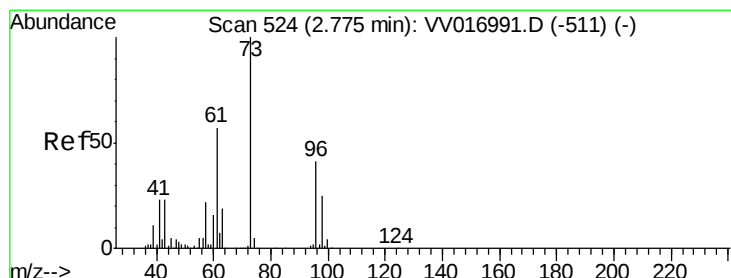
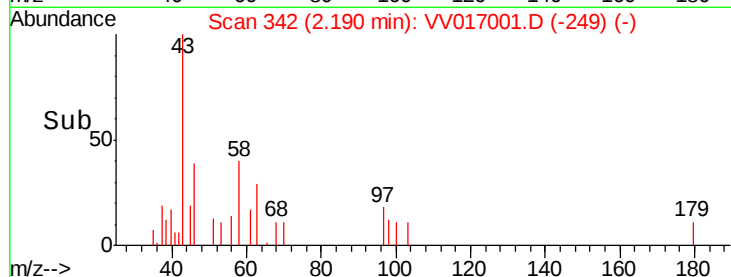
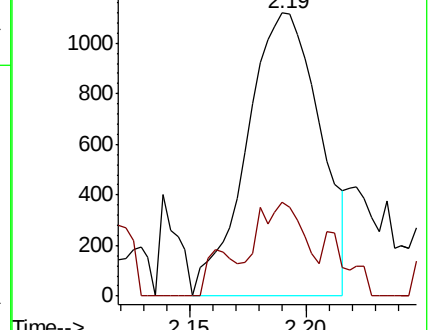
43 100

58 14.8 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016991.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016991.D (-329) (-)



#17

trans-1,2-Dichloroethene

Concen: 45.273 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

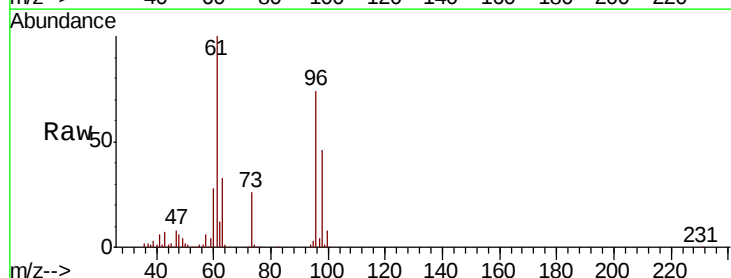
Tgt Ion: 96 Resp: 108454

Ion Ratio Lower Upper

96 100

61 134.8 102.9 191.1

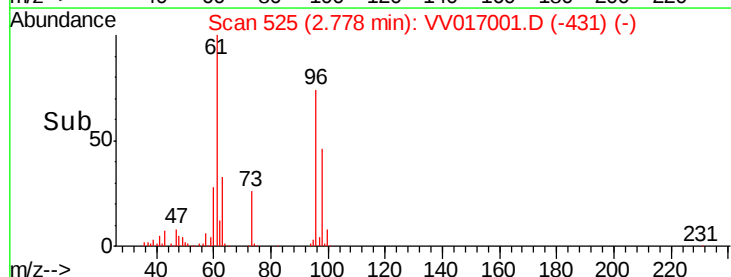
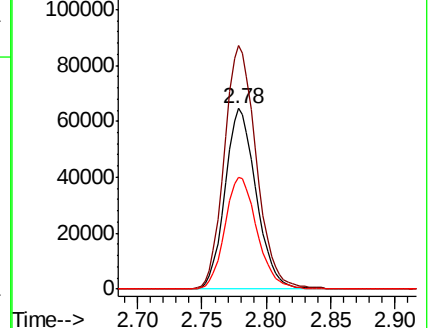
98 62.2 45.5 84.5

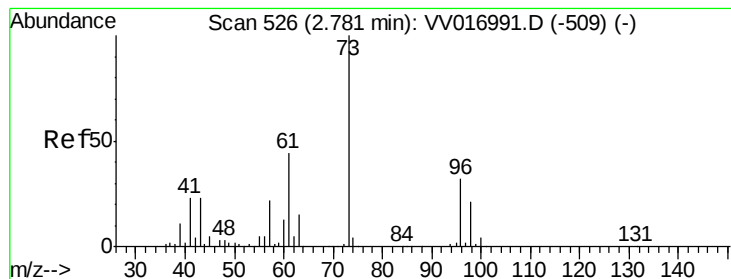


Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VV016991.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VV016991.D (-511) (-)



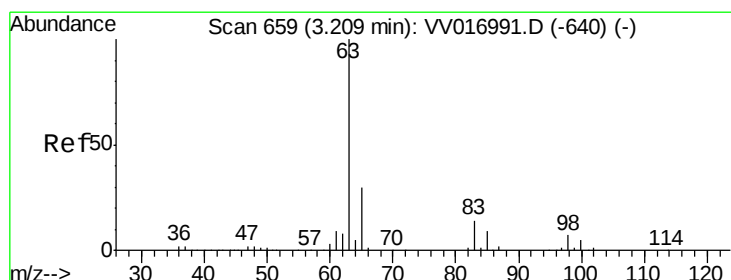
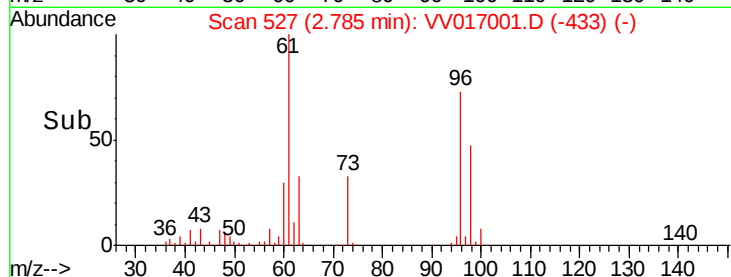
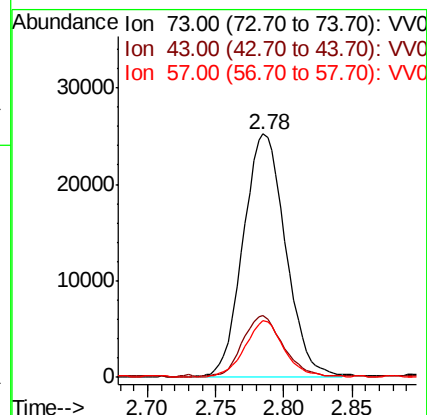
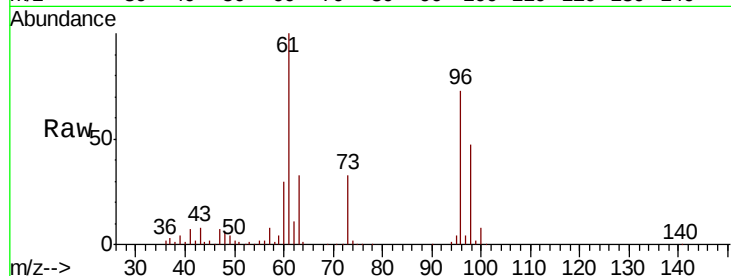


#18

Methvl tert-butvl Ether
 Concen: 6.888 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Instrument :
 MSVOA_V
 ClientSampleId :

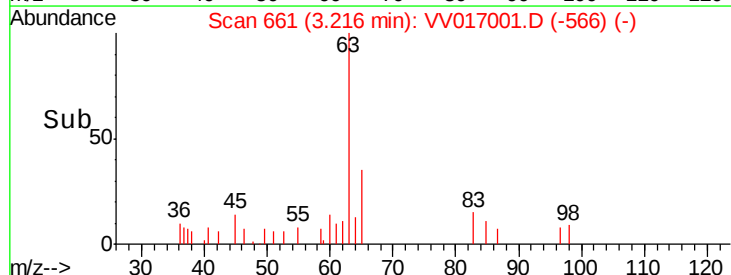
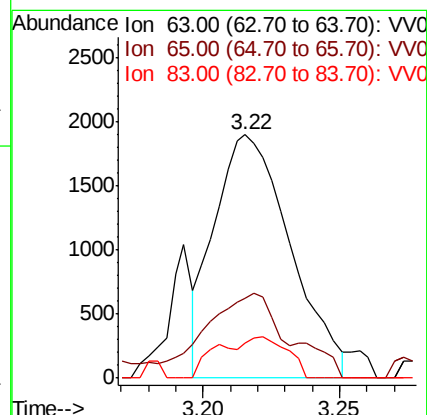
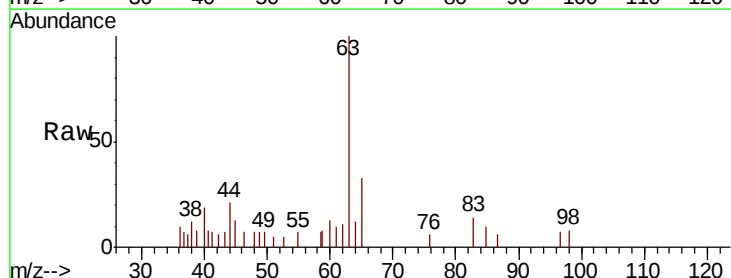
Tot Ion: 73 Resp: 54672
 Ion Ratio Lower Upper
 73 100
 43 24.4 17.8 26.6
 57 21.6 17.7 26.5

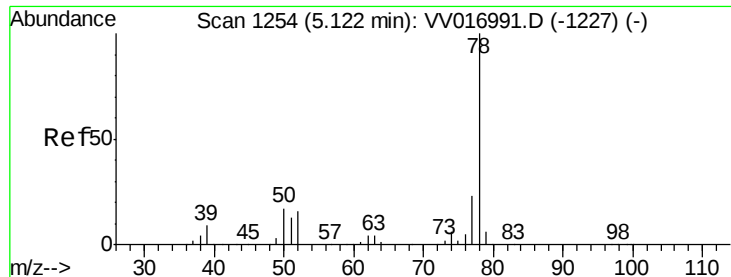


#19

1,1-Dichloroethane
 Concen: 0.814 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Tgt Ion: 63 Resp: 3672
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.2 43.0
 83 14.2 10.0 18.6





#33

Benzene

Concen: 2.696 ug/L

RT: 5.13 min Scan# 1256

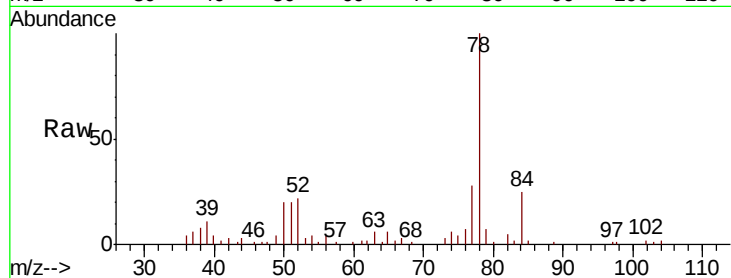
Delta R.T. 0.01 min

Lab File: VV017001.D

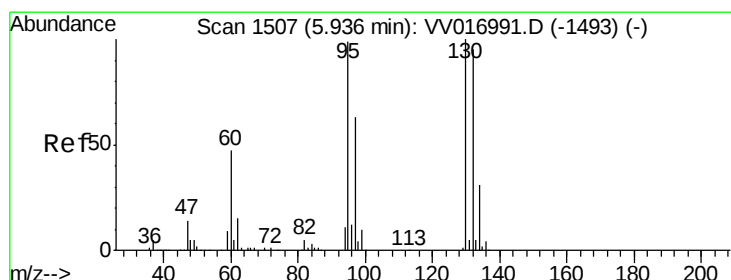
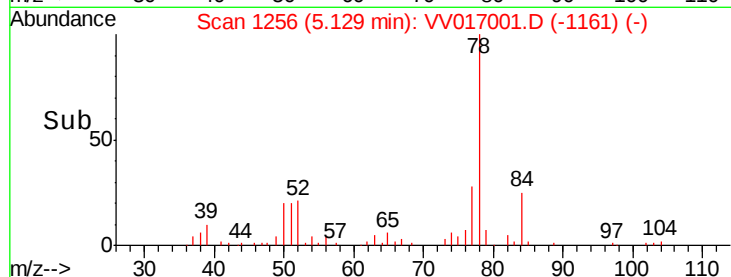
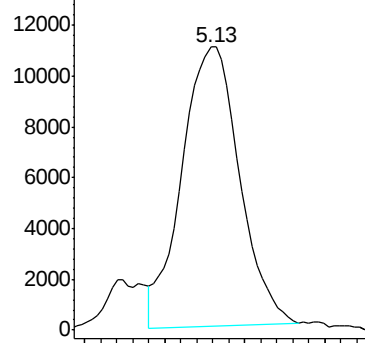
Acq: 19 Jun 2020 15:27

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 27214



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2957.745 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Tgt Ion: 95 Resp: 8007873

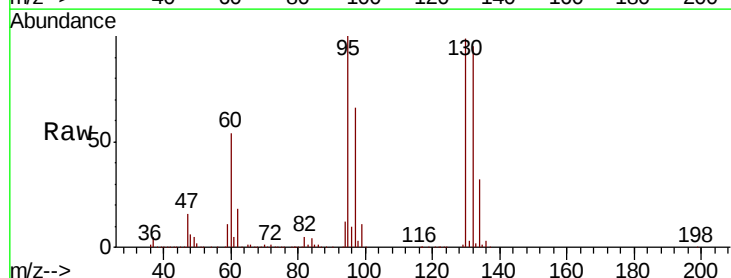
Ion	Ratio	Lower	Upper
95	100		
97	66.0	44.3	82.3
132	95.5	67.9	126.1
130	99.0	72.2	134.2

95 100

97 66.0 44.3 82.3

132 95.5 67.9 126.1

130 99.0 72.2 134.2

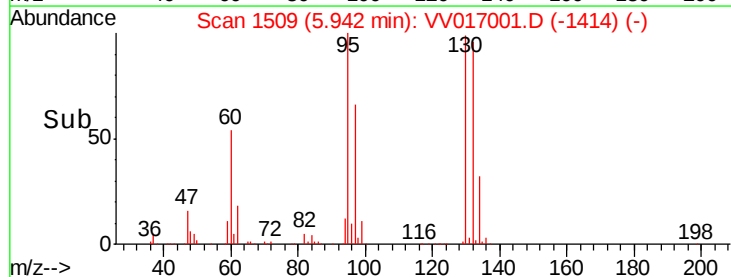
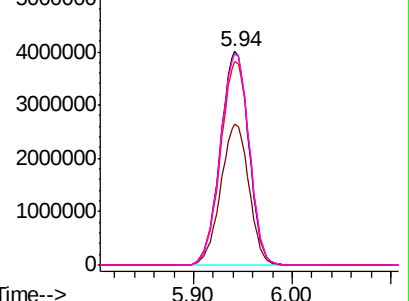


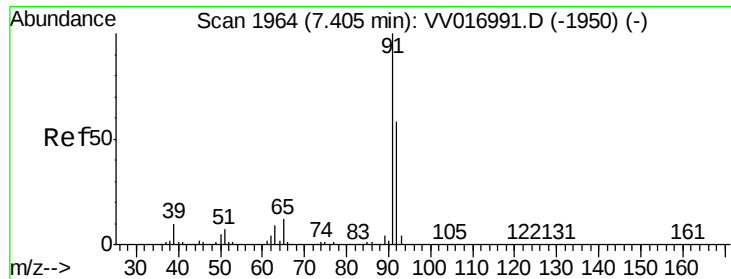
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 3.521 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Instrument :

MSVOA_V

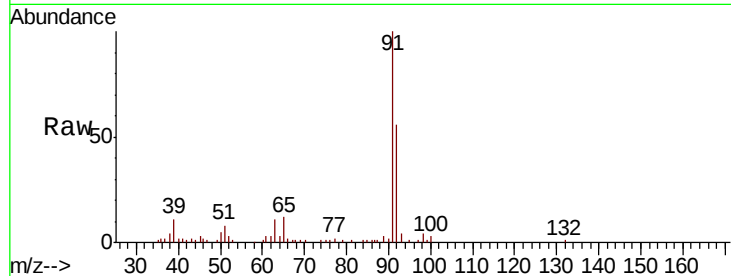
ClientSampleId :

Tot Ion: 91 Resp: 37469

Ion Ratio Lower Upper

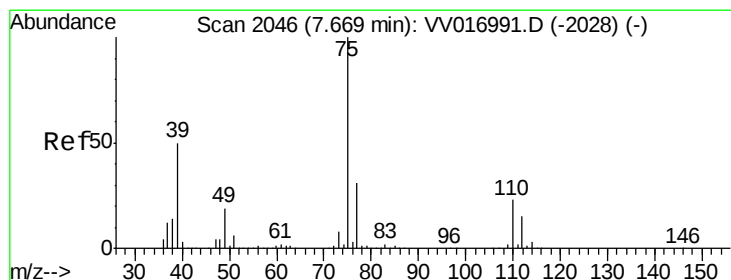
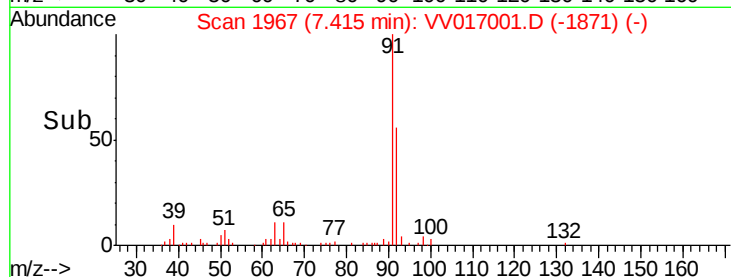
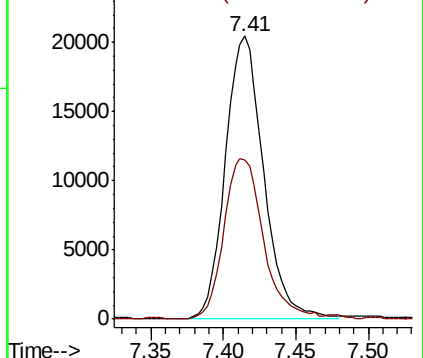
91 100

92 56.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017001.D

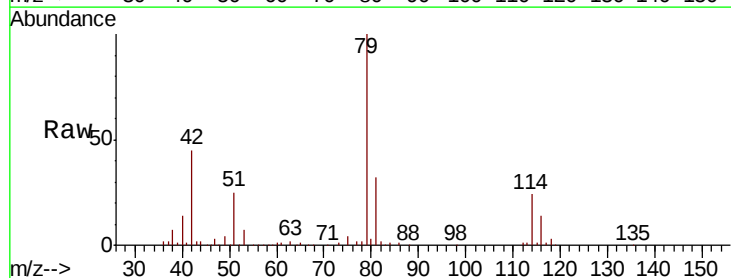
Acq: 19 Jun 2020 15:27

Tgt Ion: 75 Resp: 3864

Ion Ratio Lower Upper

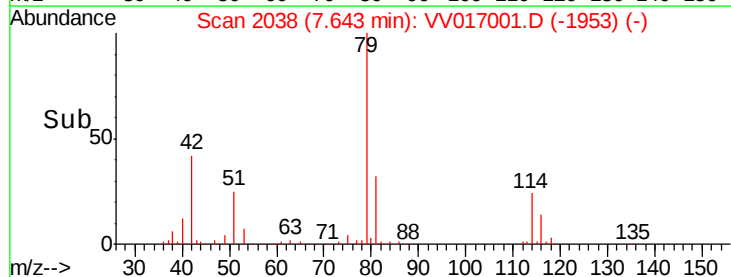
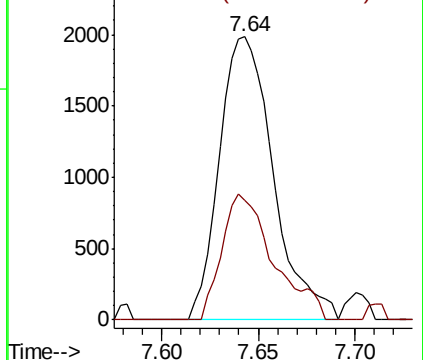
75 100

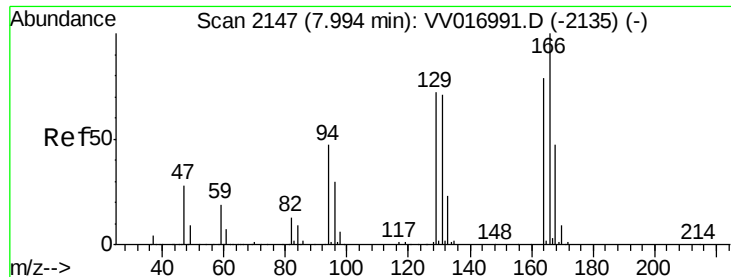
77 42.3 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 7093.005 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.03 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:164 Resp:15103364

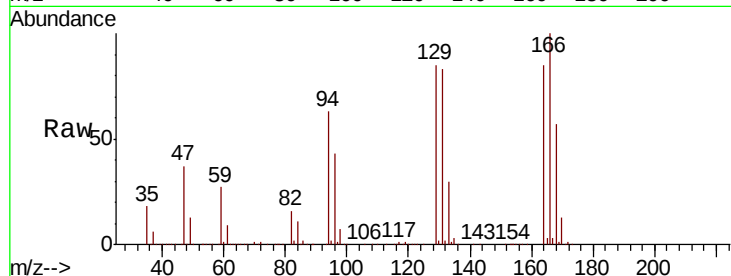
Ion Ratio Lower Upper

164 100

129 99.7 67.0 124.4

131 97.5 64.8 120.3

166 117.6 90.4 167.8



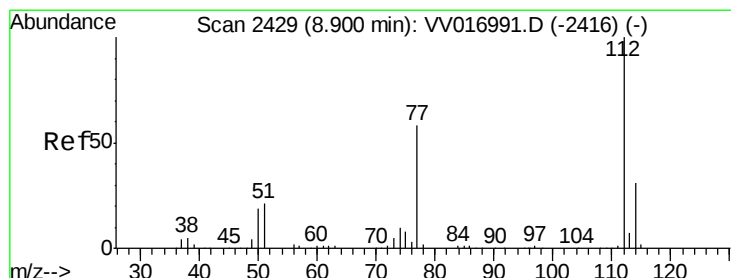
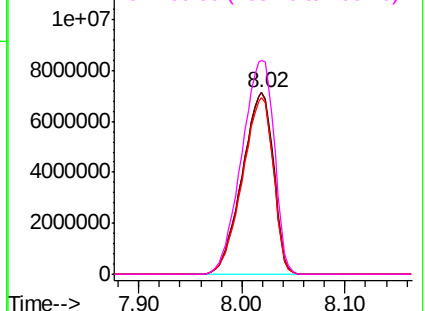
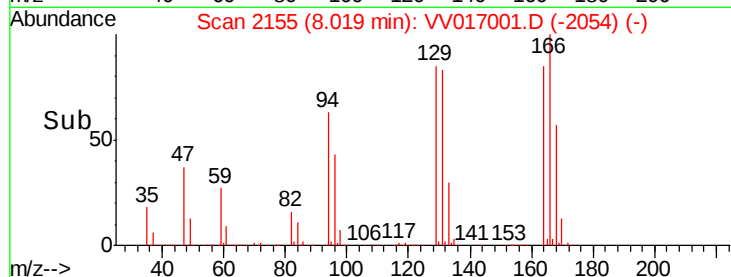
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 1.055 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

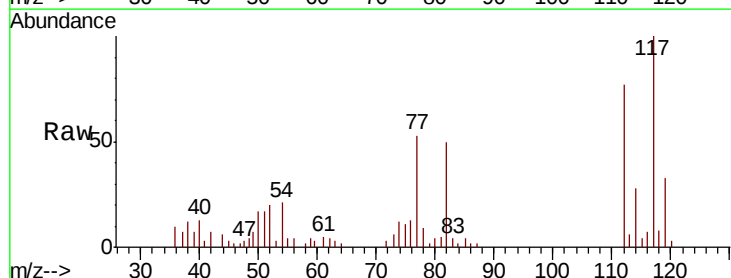
Tgt Ion:112 Resp: 7324

Ion Ratio Lower Upper

112 100

114 36.1 22.3 41.3

77 69.0 47.9 71.9

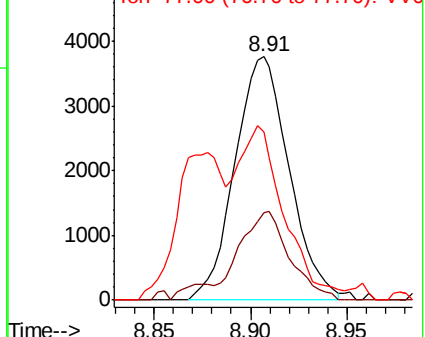
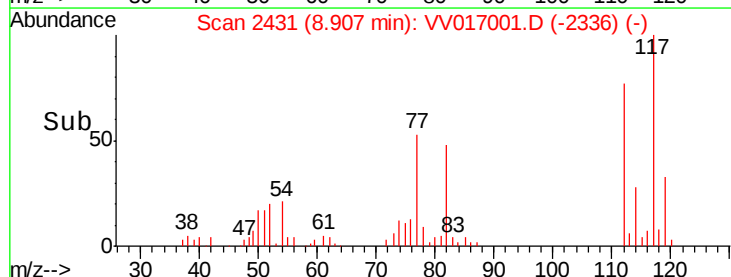


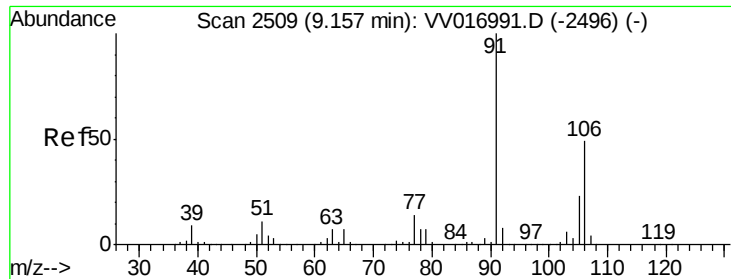
Abundance

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): VV0





#53
 m,p-Xylene
 Concen: 1.158 ug/L
 RT: 9.17 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 5084
 Ion Ratio Lower Upper
 106 100
 91 203.6 144.6 268.6

