

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017105.D
 Acq On : 25 Jun 2020 05:29
 Operator : SY/MD
 Sample : L3102-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L58

Quant Time: Jun 25 06:51:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 05:27:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	177896	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171540	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39346	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.58	69	32896	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	61617	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	3.92	46	118686	43.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.24%
24) Chloroform-d	4.38	84	101718	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.06	65	55591	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.08	84	190003	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.10	67	57613	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.34	98	171417	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
45) trans-1,3-Dichloropropene-	7.64	79	21680	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
48) 2-Hexanone-d5	8.11	63	85896	40.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41713	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	70465	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

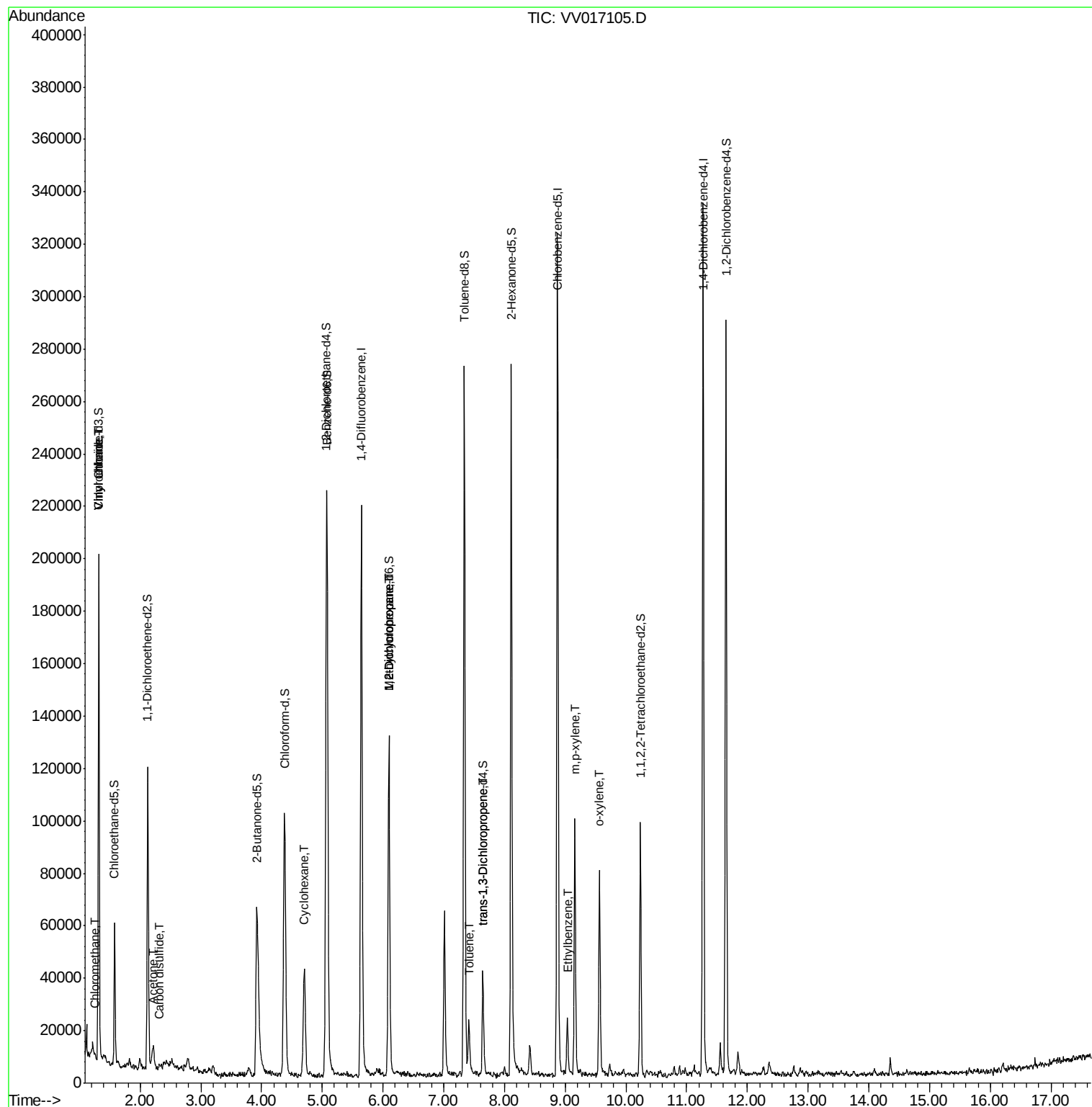
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	917	0.076	ug/L	93
5) Vinyl chloride	1.32	62	81135	6.950	ug/L	98
8) Chloroethane	1.32	64	26611	4.125	ug/L #	47
13) Acetone	2.20	43	10537	7.660	ug/L	100
14) Carbon disulfide	2.32	76	1617	0.063	ug/L #	91
30) Cyclohexane	4.70	56	20038	1.025	ug/L	98
35) Methylcyclohexane	6.09	83	14808	0.724	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6865	0.617	ug/L #	84
42) Toluene	7.41	91	14474	0.277	ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	1269	0.089	ug/L	97
54) Ethylbenzene	9.04	91	14009	0.251	ug/L	98
55) m,p-xylene	9.16	106	26136	1.195	ug/L	95
56) o-xylene	9.57	106	20170	0.989	ug/L	99

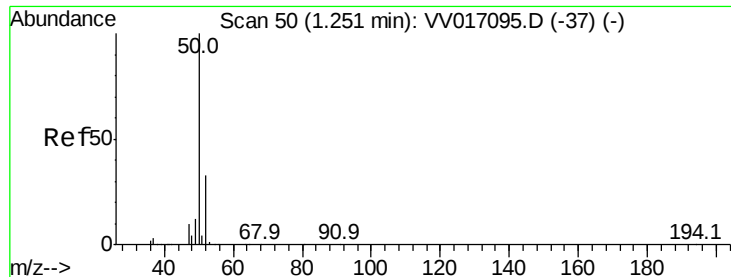
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.076 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

Instrument :

MSVOA_V

ClientSampleId :

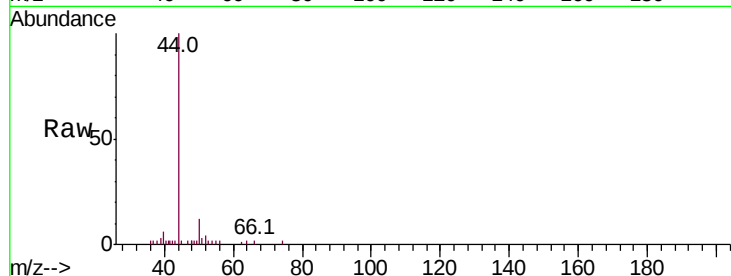
F9L58

Tot Ion: 50 Resp: 917

Ion Ratio Lower Upper

50 100

52 28.5 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017105.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017105.D (-1) (-)

1.25

1.22 1.24 1.26 1.28

1000

800

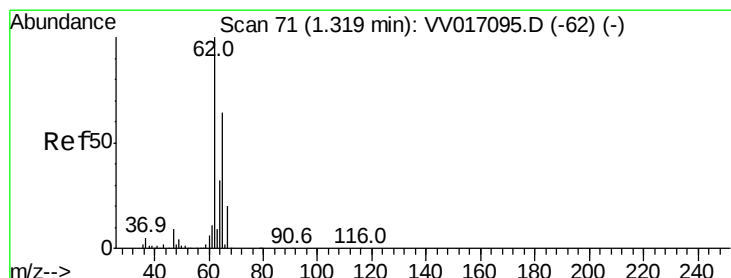
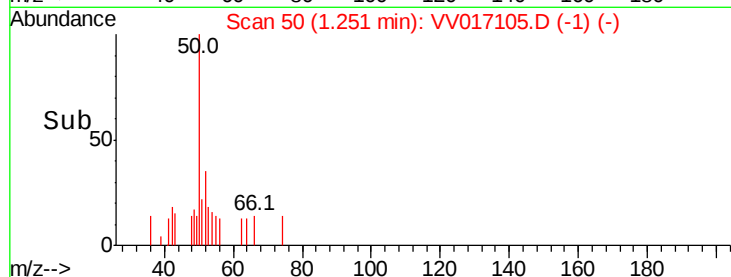
600

400

200

0

Time-->



#5

Vinyl chloride

Concen: 6.950 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017105.D

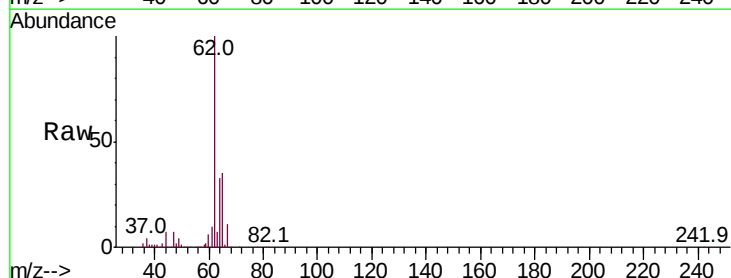
Acq: 25 Jun 2020 05:29

Tgt Ion: 62 Resp: 81135

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017105.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV017105.D (-1) (-)

1.32

1.25 1.30 1.35 1.40

80000

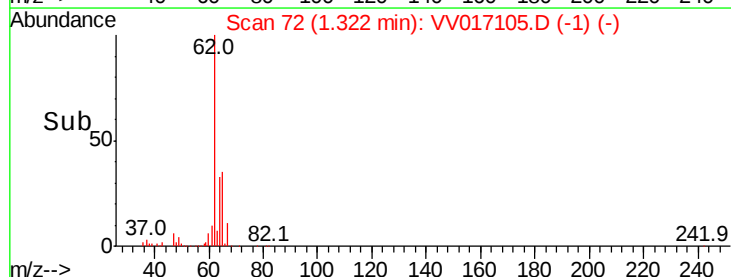
60000

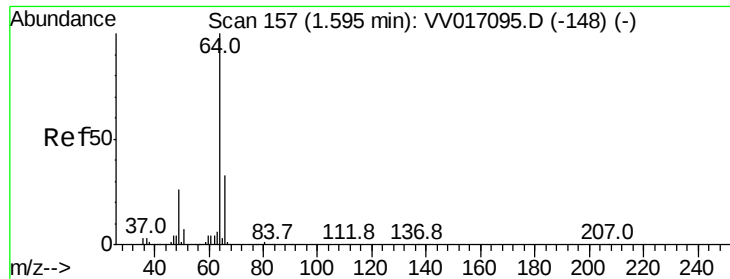
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.125 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.27 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

Instrument :

MSVOA_V

ClientSampleId :

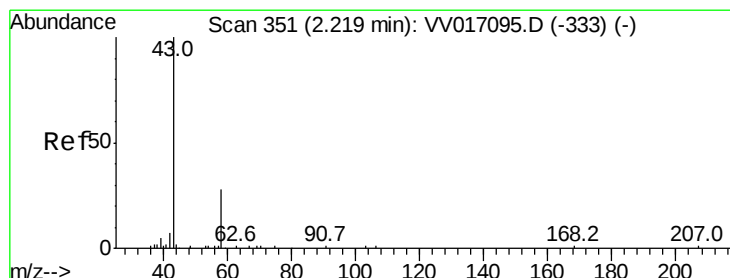
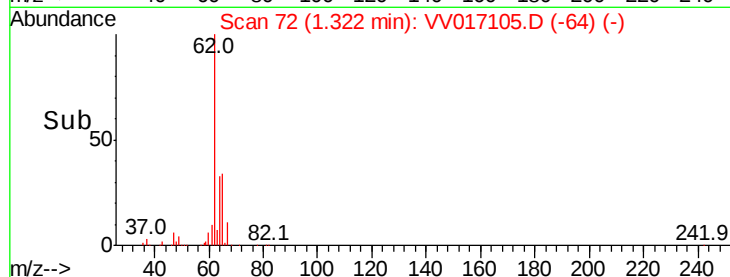
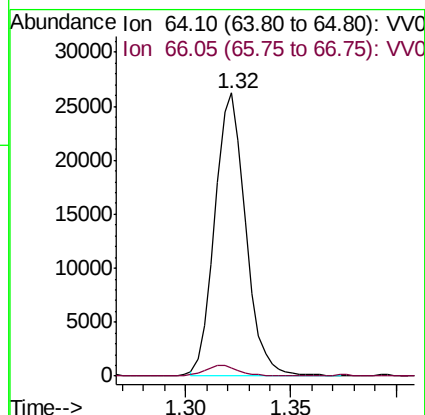
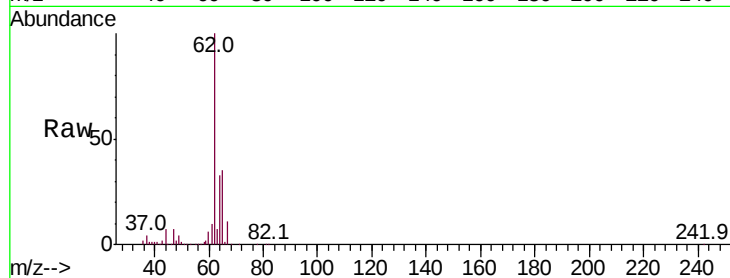
F9L58

Tot Ion: 64 Resp: 26611

Ion Ratio Lower Upper

64 100

66 2.8 22.8 42.4#



#13

Acetone

Concen: 7.660 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV017105.D

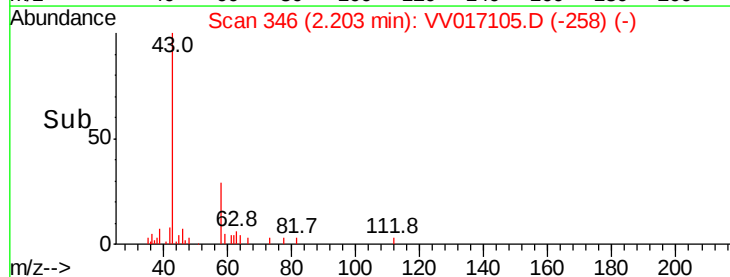
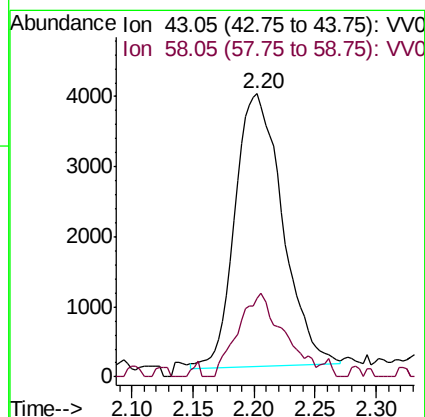
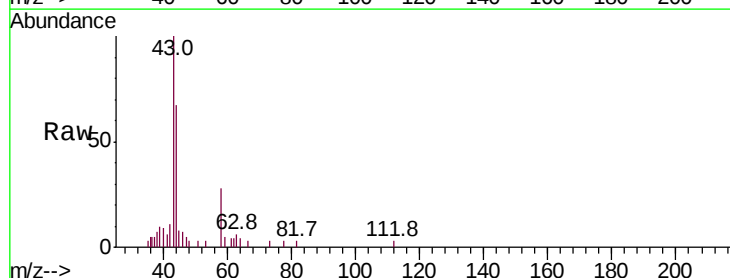
Acq: 25 Jun 2020 05:29

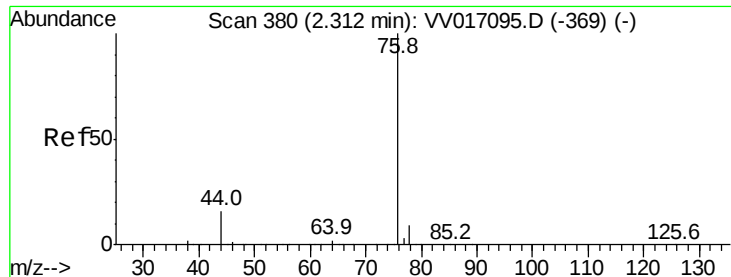
Tgt Ion: 43 Resp: 10537

Ion Ratio Lower Upper

43 100

58 29.3 0.0 58.4





#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

Instrument :

MSVOA_V

ClientSampleId :

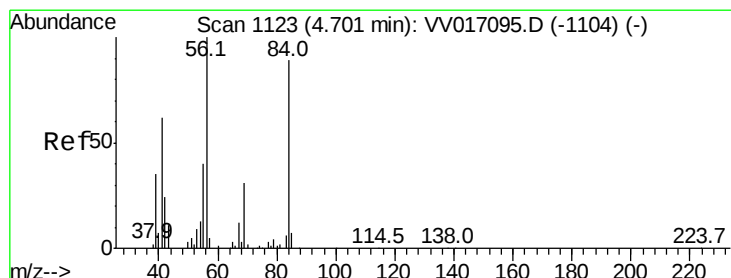
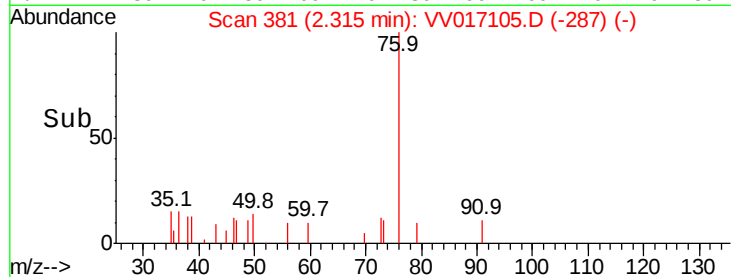
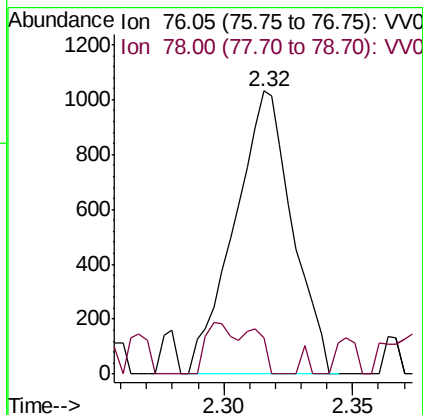
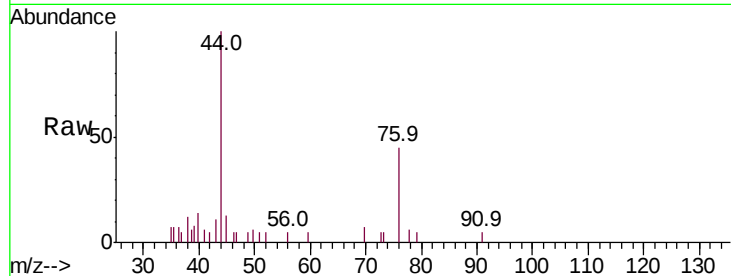
F9L58

Tot Ion: 76 Resp: 1617

Ion Ratio Lower Upper

76 100

78 13.0 7.7 11.5#



#30

Cyclohexane

Concen: 1.025 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

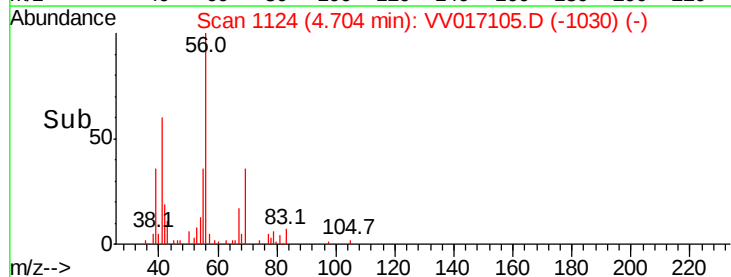
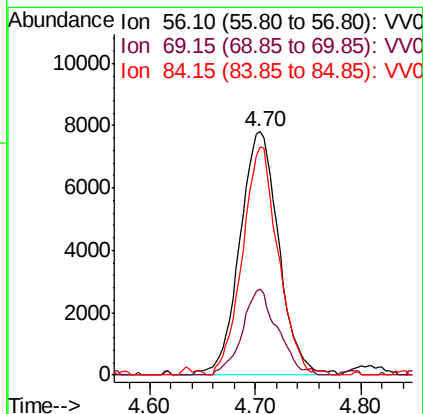
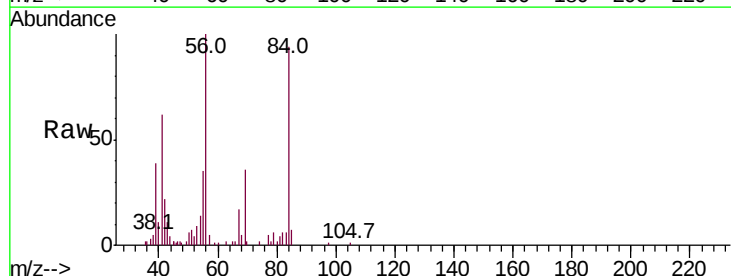
Tgt Ion: 56 Resp: 20038

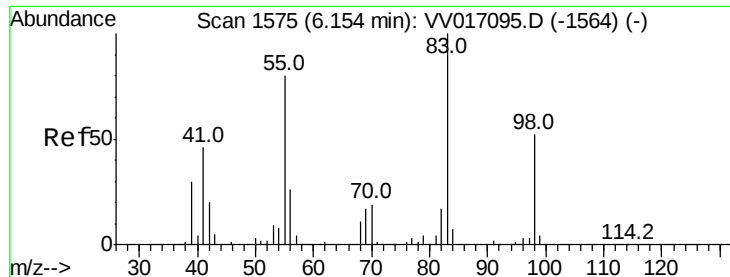
Ion Ratio Lower Upper

56 100

69 32.1 24.4 36.6

84 85.7 69.9 104.9

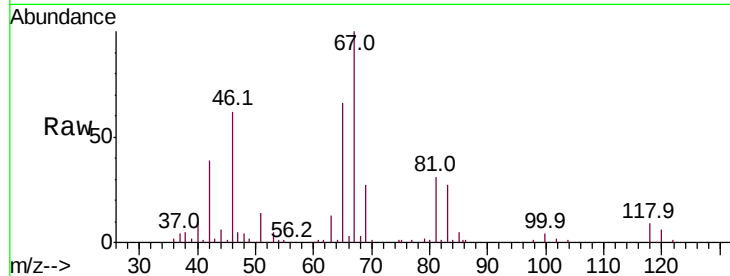




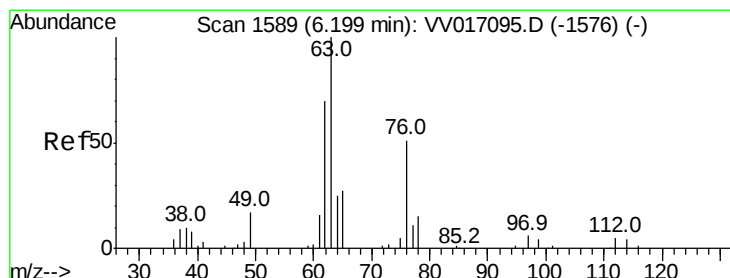
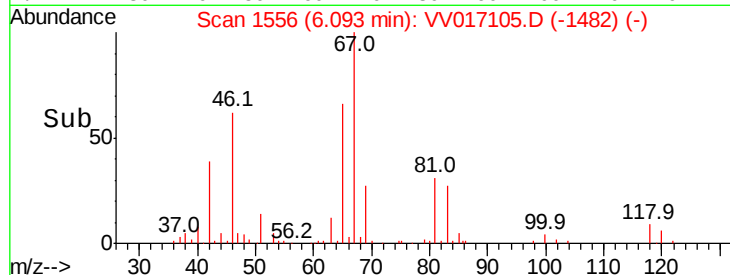
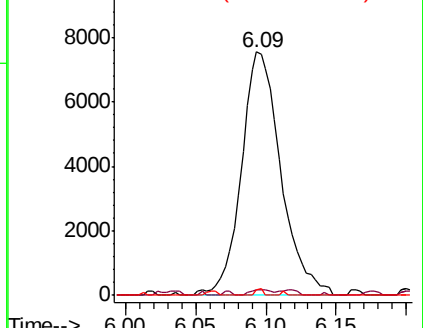
#35
Methvlcvclohexane
Concen: 0.724 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017105.D
Acq: 25 Jun 2020 05:29

Instrument :
MSVOA_V
ClientSampleId :
F9L58

Tot Ion: 83 Resp: 14808
Ion Ratio Lower Upper
83 100
55 1.3 63.6 95.4#
98 0.5 38.8 58.2#

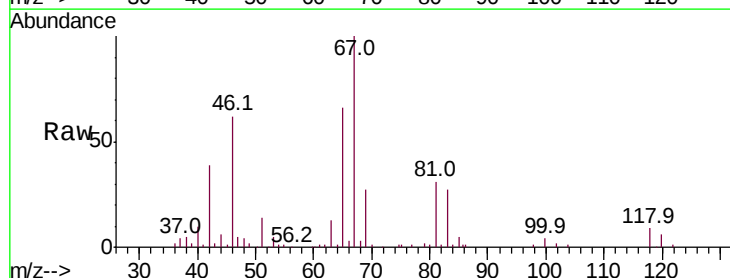


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

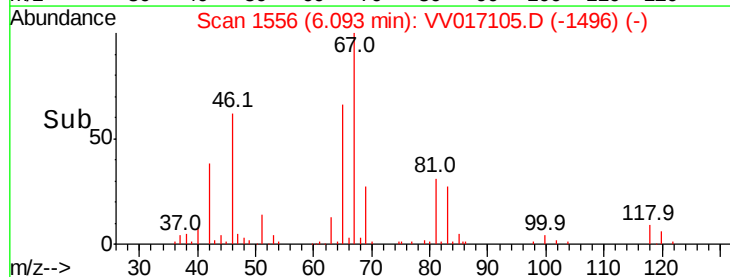
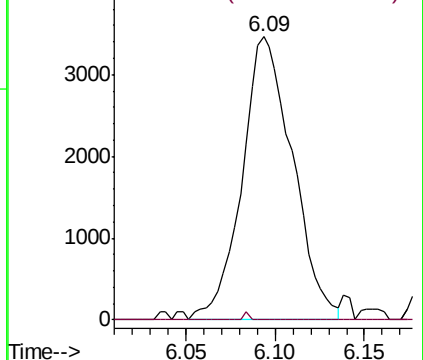


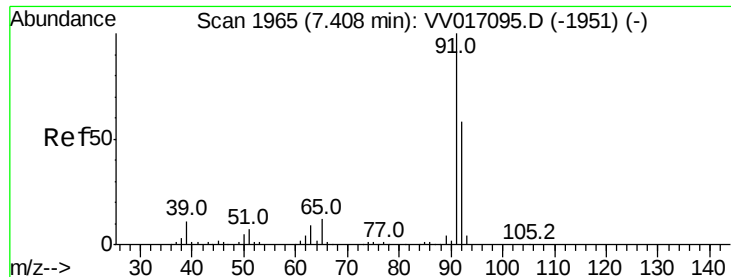
#37
1,2-Dichloropropane
Concen: 0.617 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV017105.D
Acq: 25 Jun 2020 05:29

Tgt Ion: 63 Resp: 6865
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.277 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

Instrument :

MSVOA_V

ClientSampled :

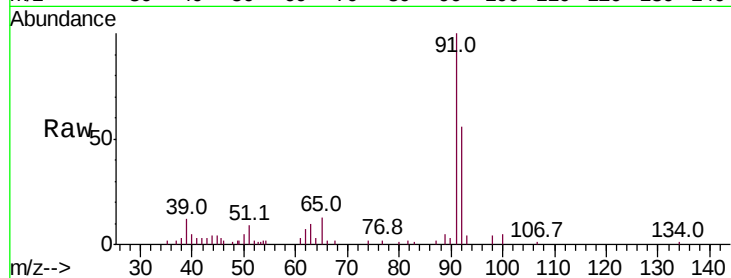
F9L58

Tot Ion: 91 Resp: 14474

Ion Ratio Lower Upper

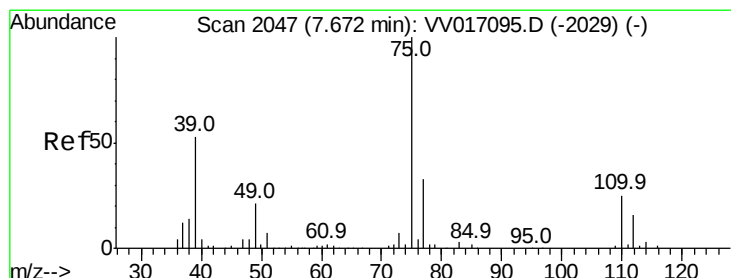
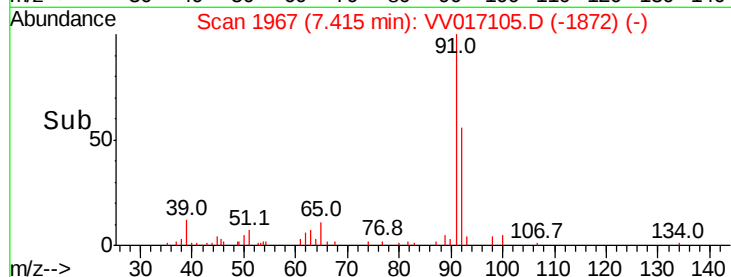
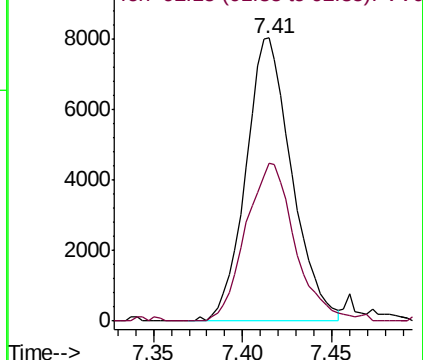
91 100

92 55.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017105.D

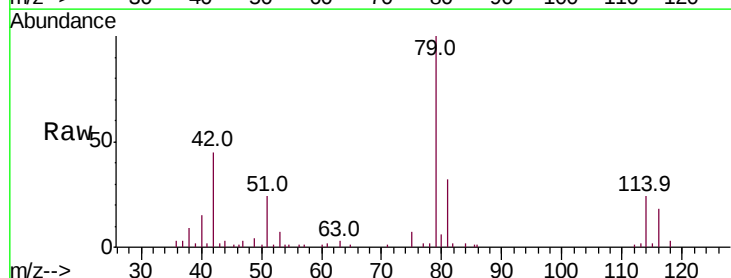
Acq: 25 Jun 2020 05:29

Tgt Ion: 75 Resp: 1269

Ion Ratio Lower Upper

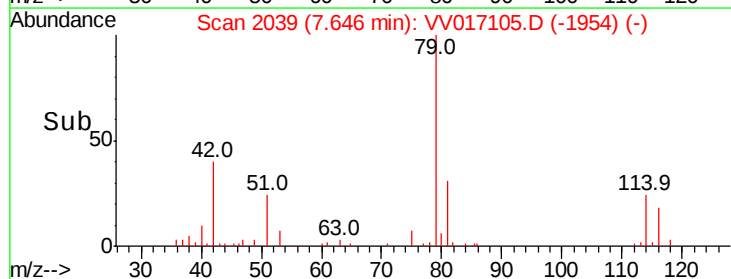
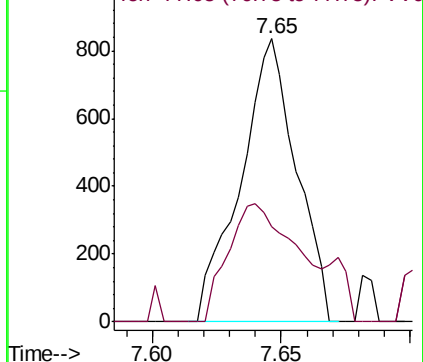
75 100

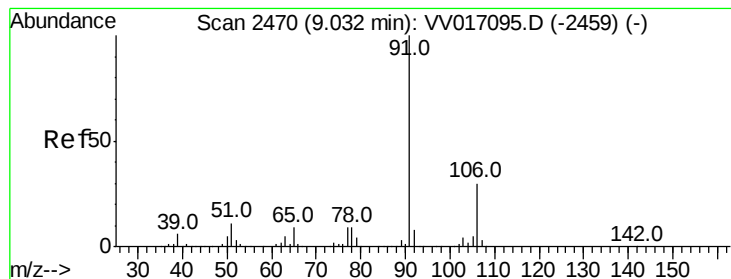
77 33.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#54

Ethylbenzene

Concen: 0.251 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017105.D

Acq: 25 Jun 2020 05:29

Instrument :

MSVOA_V

ClientSampleId :

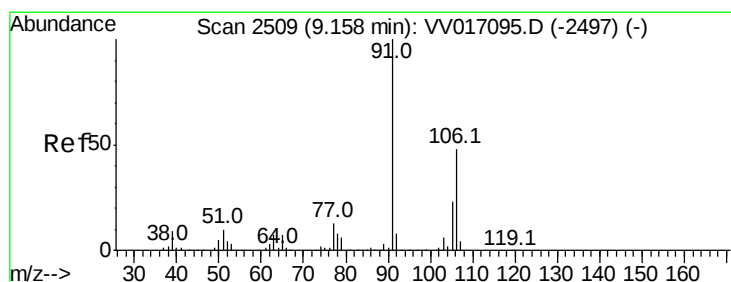
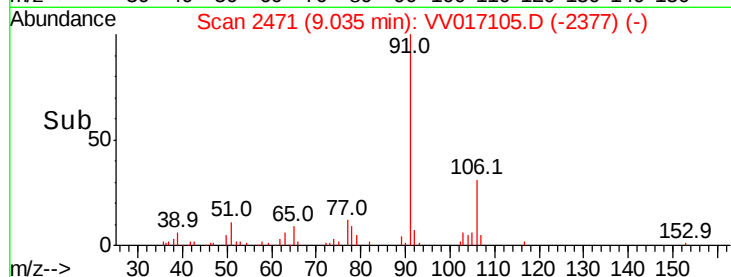
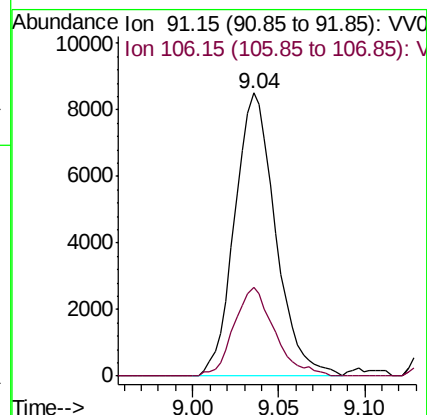
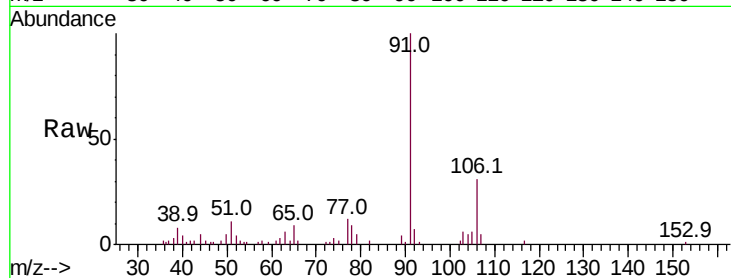
F9L58

Tot Ion: 91 Resp: 14009

Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.1



#55

m,p-xylene

Concen: 1.195 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017105.D

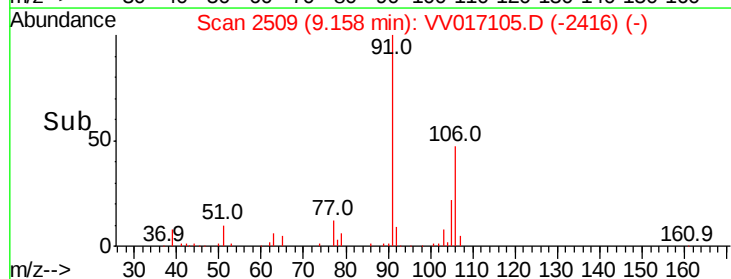
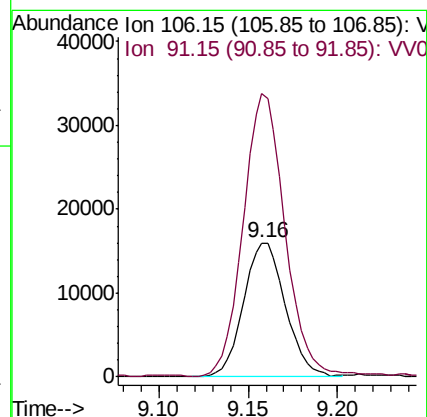
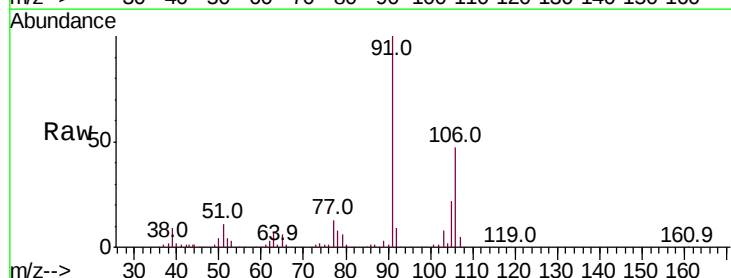
Acq: 25 Jun 2020 05:29

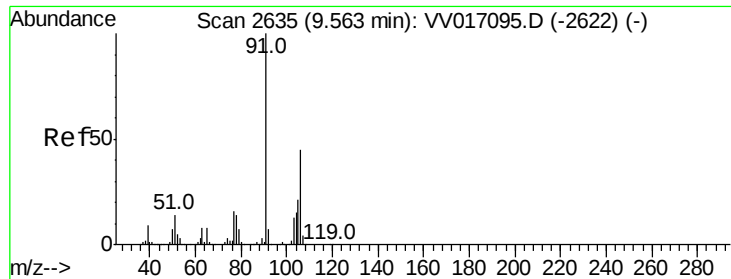
Tgt Ion: 106 Resp: 26136

Ion Ratio Lower Upper

106 100

91 211.3 142.7 264.9





#56
o-xylene
Concen: 0.989 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017105.D
Acq: 25 Jun 2020 05:29

Instrument :
MSVOA_V
ClientSampleId :
F9L58

Tot Ion:106 Resp: 20170
Ion Ratio Lower Upper
106 100
91 218.6 153.6 285.2

