

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016563.D
 Acq On : 06 Jun 2020 02:52
 Operator : SY/MD
 Sample : L2862-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 06:32:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 06:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	387082	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368087	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192630	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	118309	43.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.30%
7) Chloroethane-d5	1.56	69	89076	45.00	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.12	63	164998	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	3.89	46	201012	114.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	4.37	84	252656	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
26) 1,2-Dichloroethane-d4	5.06	65	178262	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
32) Benzene-d6	5.08	84	510196	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
36) 1,2-Dichloropropane-d6	6.09	67	162073	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.50%
41) Toluene-d8	7.34	98	463192	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%
43) trans-1,3-Dichloropropene-	7.64	79	73096	48.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.64%
47) 2-Hexanone-d5	8.11	63	157330	119.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	212858	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	196519	54.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.58%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1465	0.656 ug/L #	22
12) 1,1-Dichloroethene	2.12	96	1529	0.711 ug/L #	1
13) Acetone	2.17	43	7220	4.407 ug/L	97
27) 1,2-Dichloroethane	5.14	62	510798	119.602 ug/L #	76
29) Cyclohexane	4.70	56	216352	49.523 ug/L	99
35) Methylcyclohexane	6.15	83	18196	4.463 ug/L	91
37) 1,2-Dichloropropane	6.21	63	2507	0.888 ug/L #	90
40) 4-Methyl-2-pentanone	7.24	43	12802	3.297 ug/L #	68
42) Toluene	7.41	91	528247	46.050 ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3735	0.925 ug/L	93
52) Ethylbenzene	9.03	91	2801430	224.385 ug/L	99
53) m,p-Xylene	9.16	106	143864	30.560 ug/L	96
54) o-xylene	9.57	106	83315	18.274 ug/L	97
56) Isopropylbenzene	9.95	105	66049	5.577 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.25	83	3499	0.799 ug/L #	53
66) 1,2-Dibromo-3-chloropropan	12.13	75	2176	2.387 ug/L #	3
69) Naphthalene	13.53	128	112921	9.897 ug/L	97

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QLast Update : Sat Jun 06 06:28:49 2020
Response via : Initial Calibration

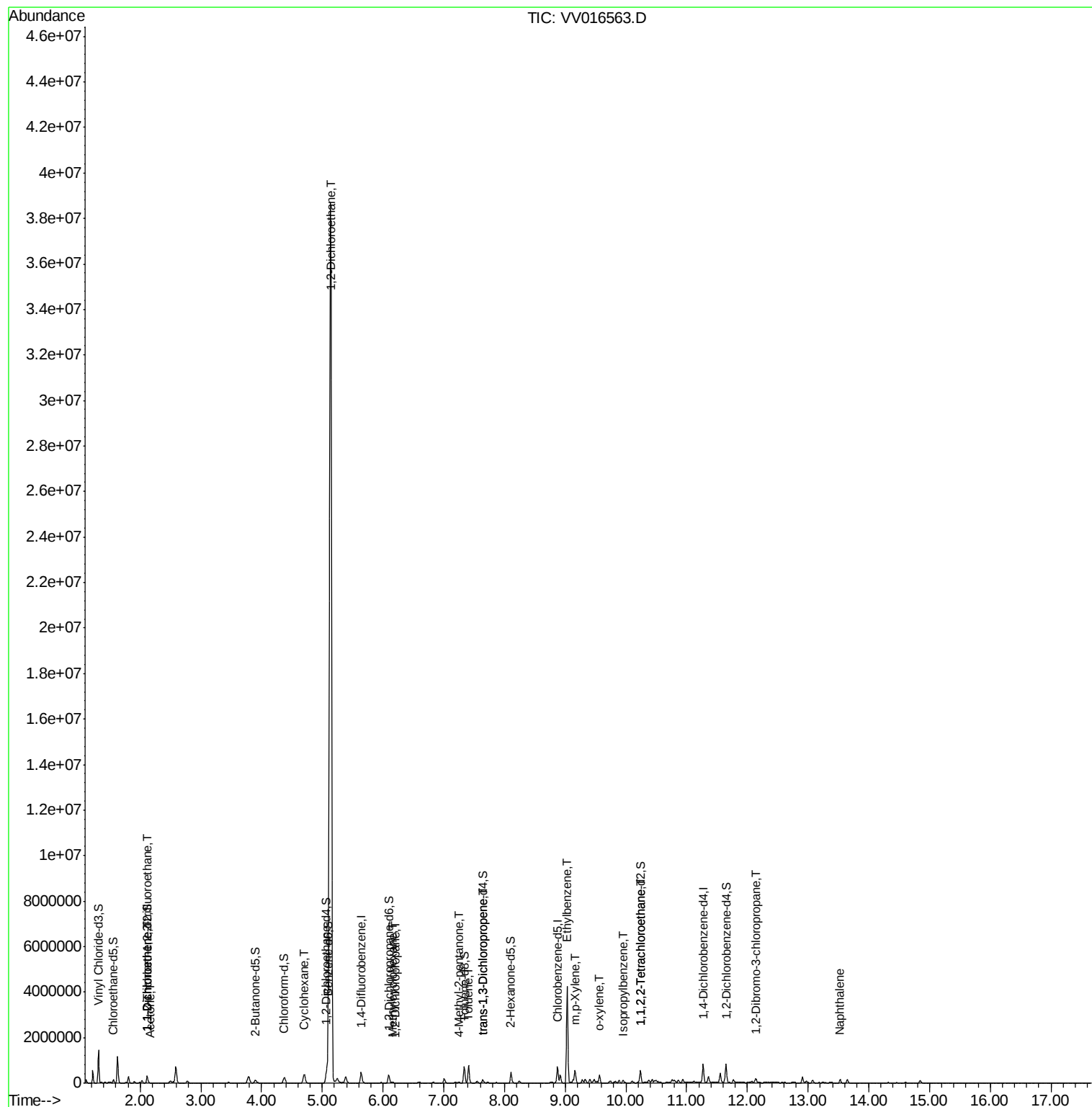
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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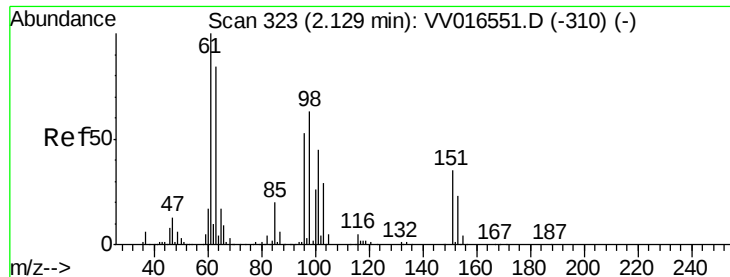
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 06 06:28:49 2020
Response via : Initial Calibration





#10

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

Concen: 0.656 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

Instrument :

MSVOA_V

ClientSampled :

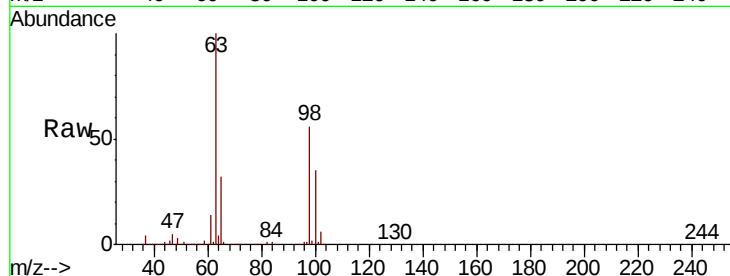
Tot Ion:101 Resp: 1465

Ion Ratio Lower Upper

101 100

85 5.7 35.6 53.4#

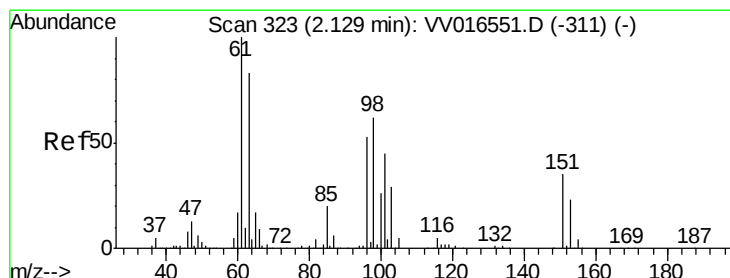
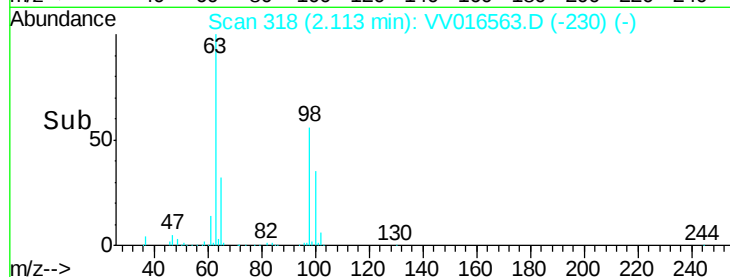
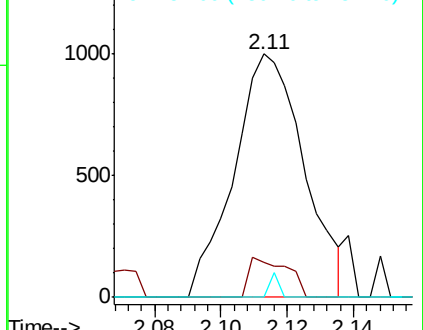
151 0.0 61.8 92.8#



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



#12

1,1-Dichloroethene

Concen: 0.711 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

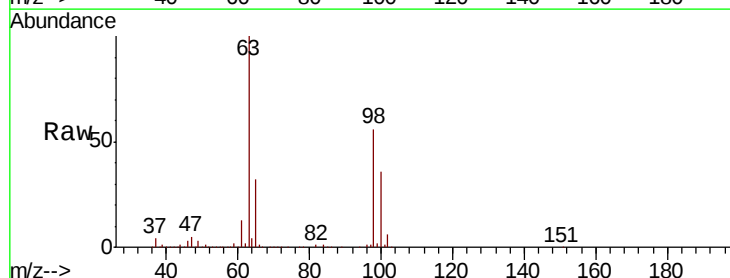
Tgt Ion: 96 Resp: 1529

Ion Ratio Lower Upper

96 100

61 1449.7 125.5 233.1#

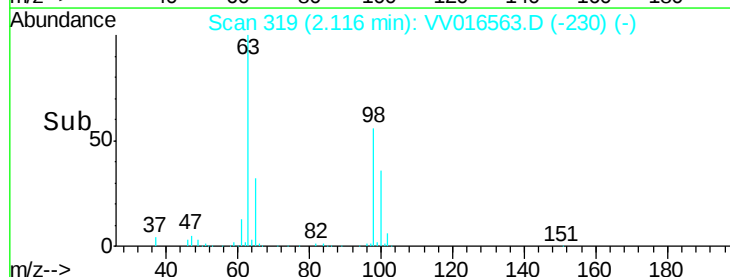
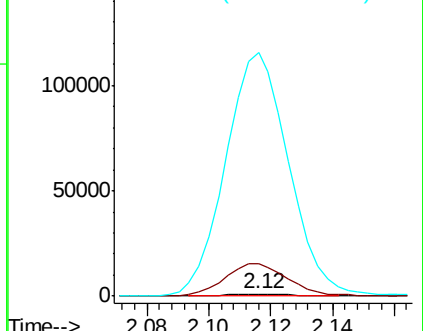
63 10896.9 104.0 193.1#

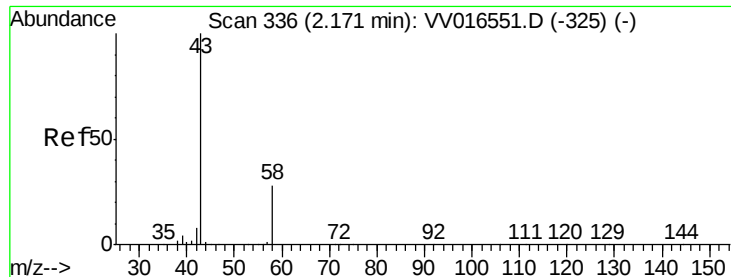


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

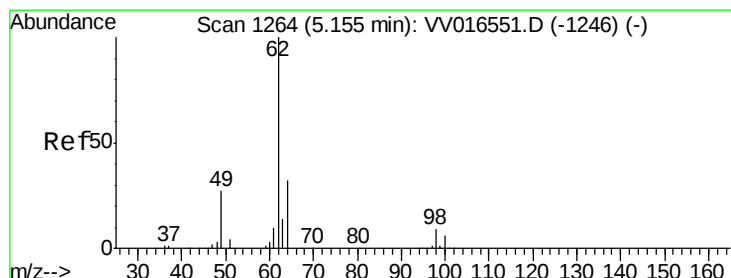
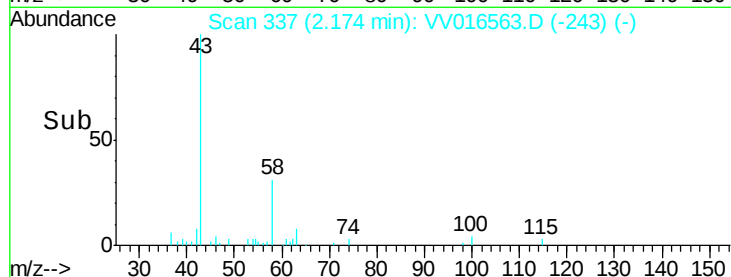
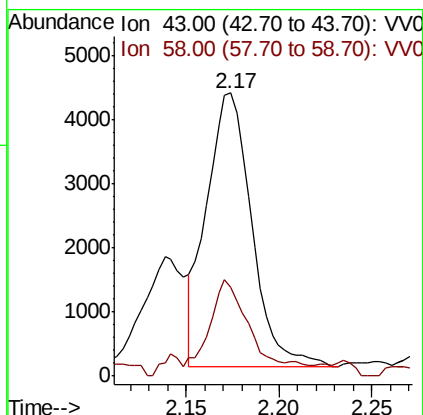
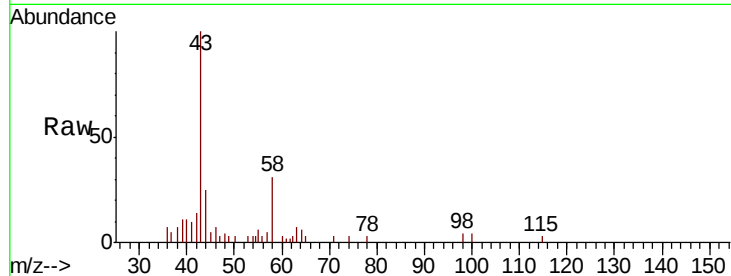




#13
Acetone
Concen: 4.407 ug/L
RT: 2.17 min Scan# 337
Delta R.T. 0.00 min
Lab File: VV016563.D
Acq: 06 Jun 2020 02:52

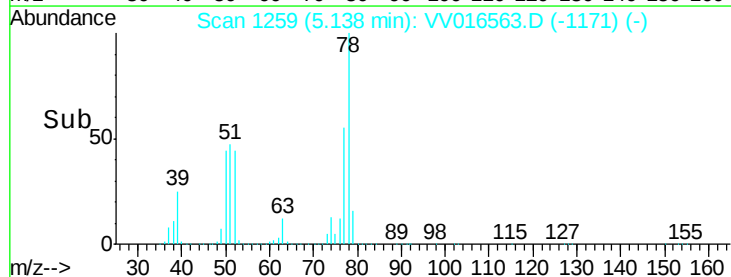
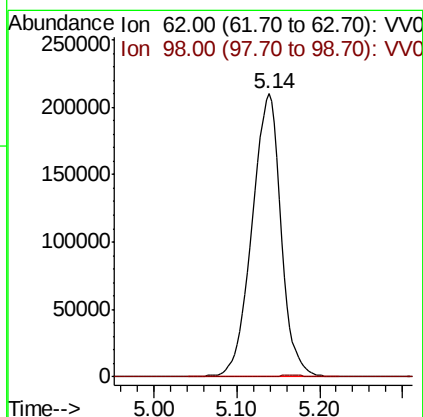
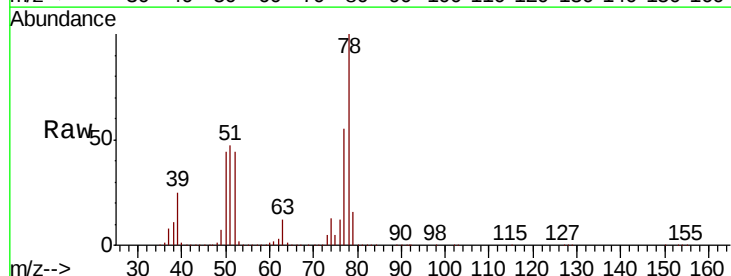
Instrument :
MSVOA_V
ClientSampled :

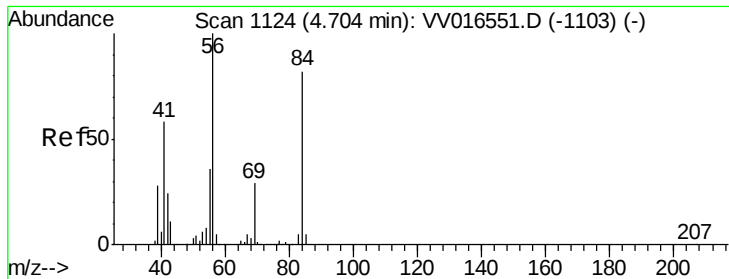
Tot Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
58 26.9 0.0 57.2



#27
1,2-Dichloroethane
Concen: 119.602 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VV016563.D
Acq: 06 Jun 2020 02:52

Tgt Ion: 62 Resp: 510798
Ion Ratio Lower Upper
62 100
98 0.1 6.9 10.3#

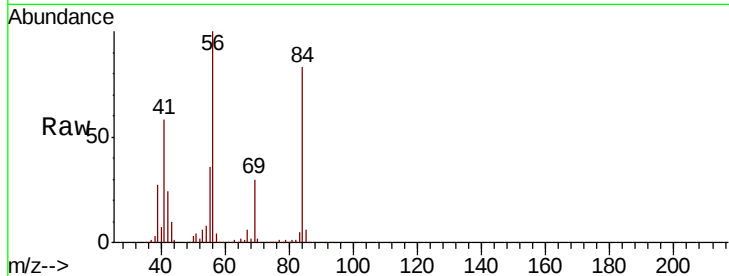




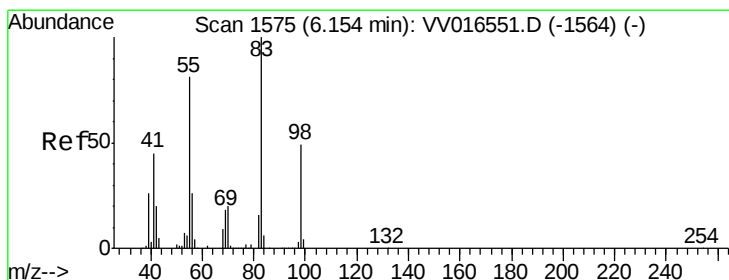
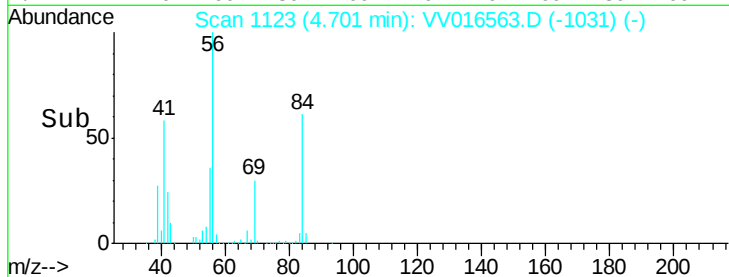
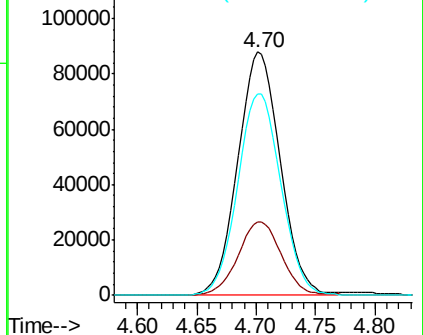
#29
Cyclohexane
Concen: 49.523 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016563.D
Acq: 06 Jun 2020 02:52

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.9	35.9
84	84.9	68.2	102.2

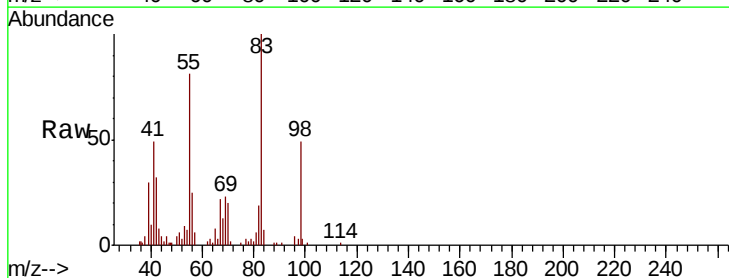


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

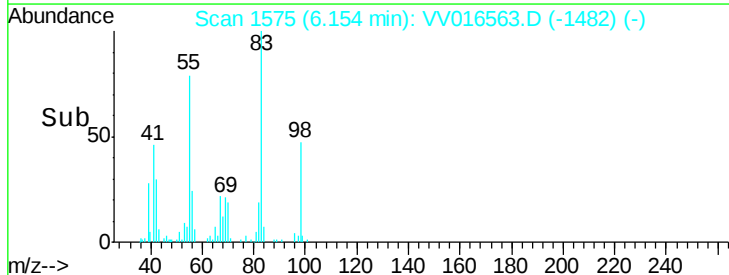
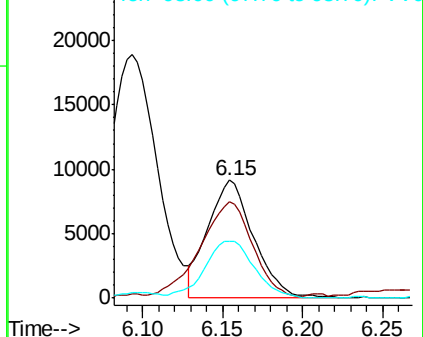


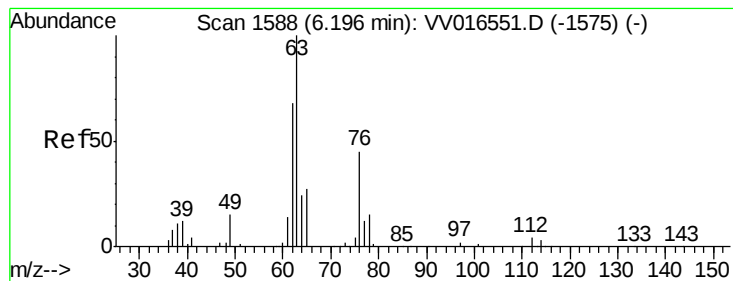
#35
Methylcyclohexane
Concen: 4.463 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016563.D
Acq: 06 Jun 2020 02:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.7	63.4	95.0
98	52.6	39.4	59.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 0.888 ug/L

RT: 6.21 min Scan# 1591

Delta R.T. 0.01 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

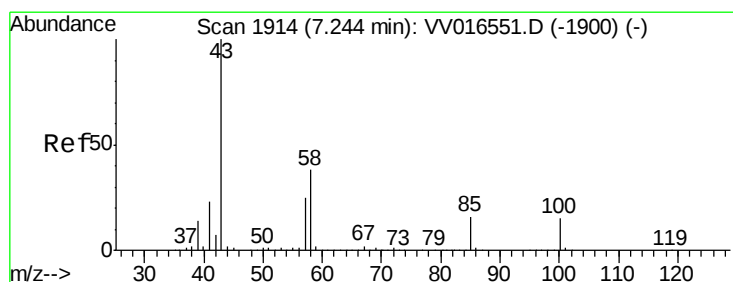
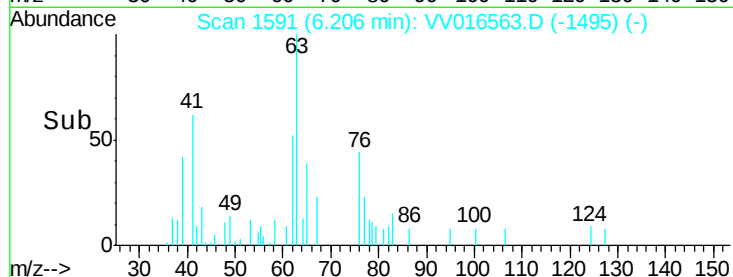
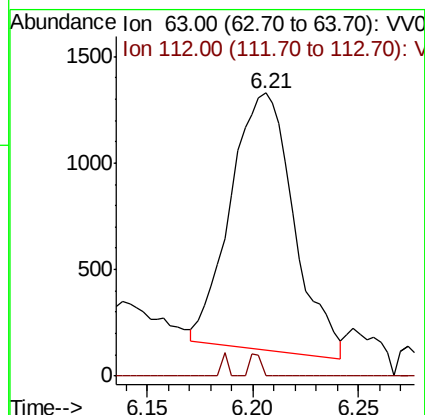
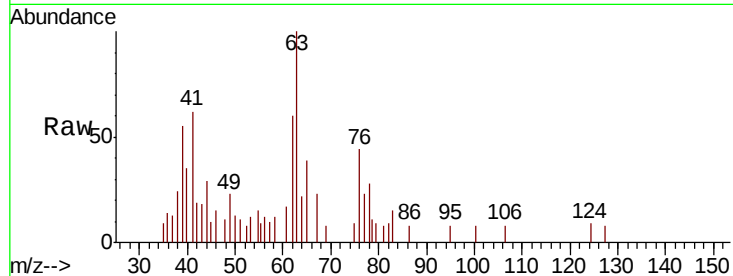
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 2507

Ion Ratio Lower Upper

63 100

112 1.6 3.9 5.9#



#40

4-Methyl-2-pentanone

Concen: 3.297 ug/L

RT: 7.24 min Scan# 1914

Delta R.T. -0.00 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

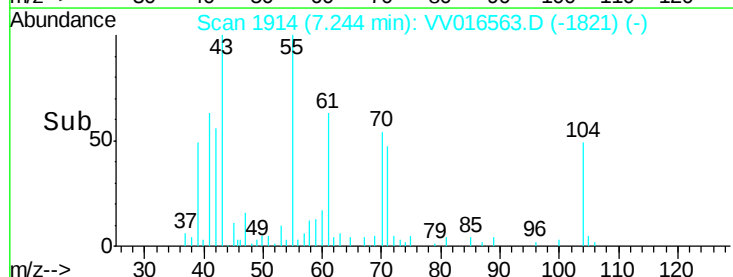
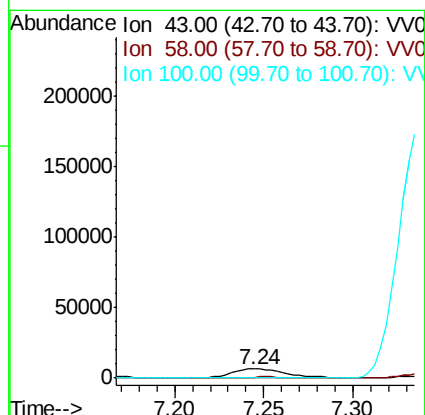
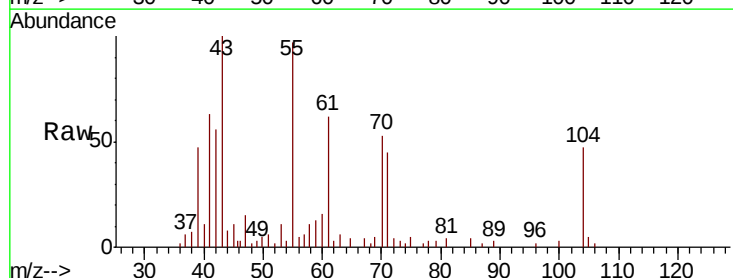
Tgt Ion: 43 Resp: 12802

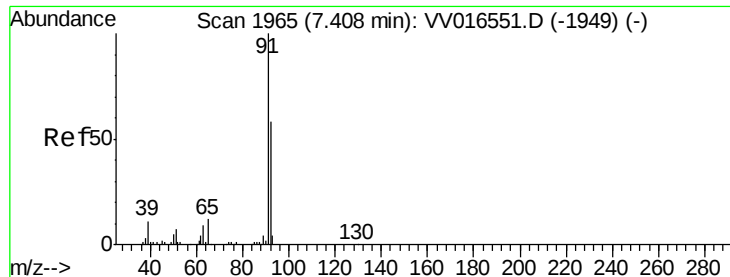
Ion Ratio Lower Upper

43 100

58 16.4 29.9 44.9#

100 5.2 11.9 17.9#





#42

Toluene

Concen: 46.050 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

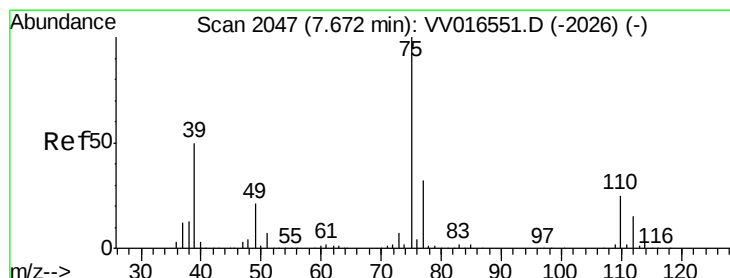
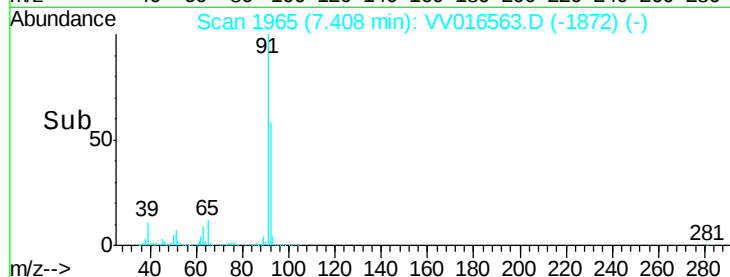
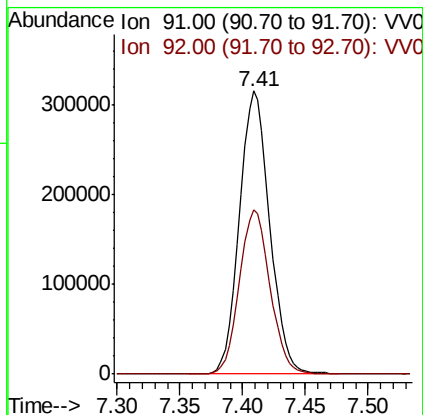
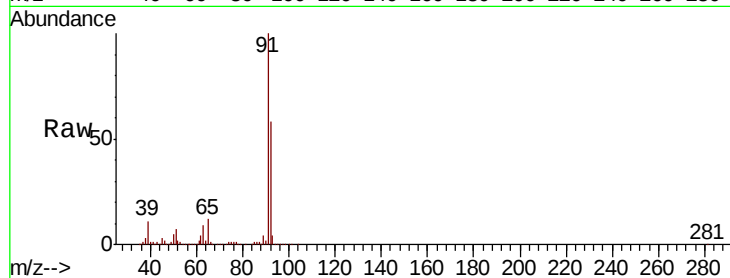
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 528247

Ion Ratio Lower Upper

91 100

92 57.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 0.925 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016563.D

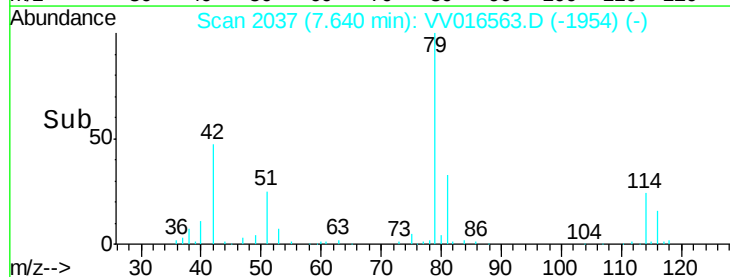
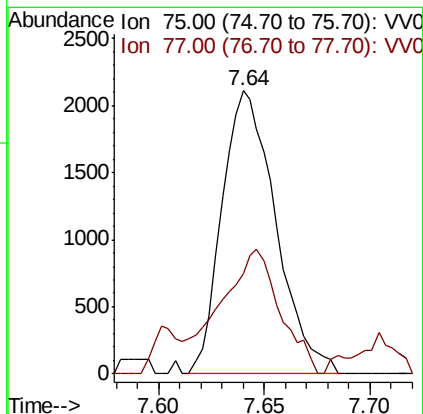
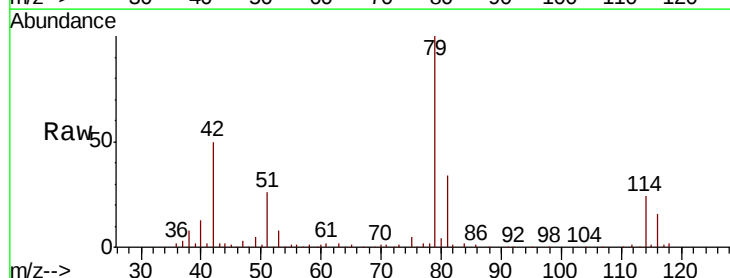
Acq: 06 Jun 2020 02:52

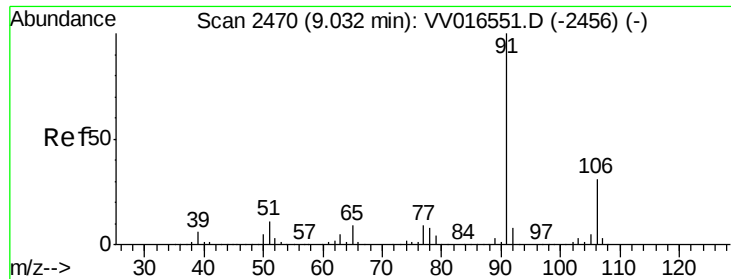
Tgt Ion: 75 Resp: 3735

Ion Ratio Lower Upper

75 100

77 35.7 22.2 41.2





#52

Ethylbenzene

Concen: 224.385 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

Instrument :

MSVOA_V

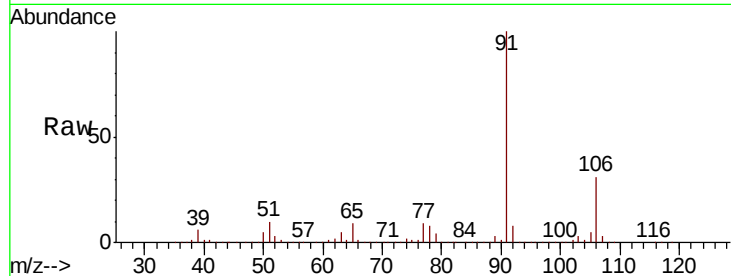
ClientSampled :

Tot Ion: 91 Resp: 2801430

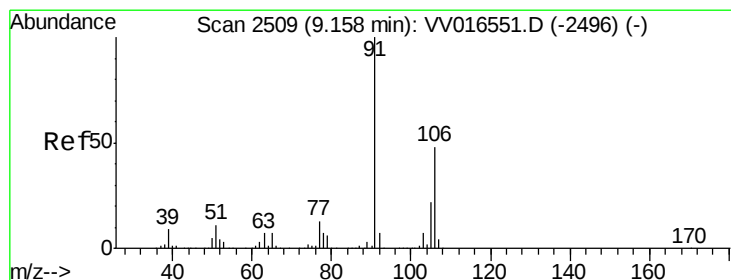
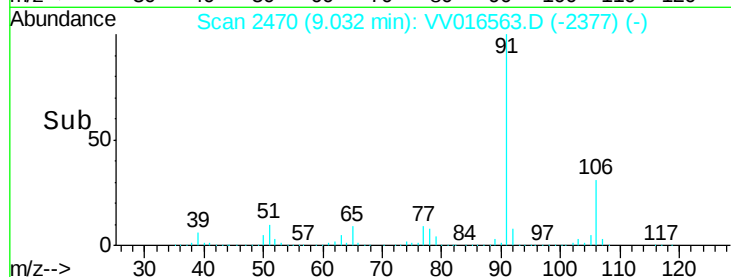
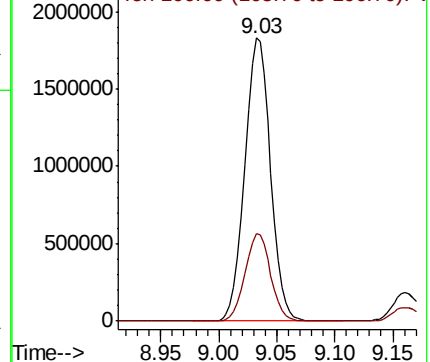
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV016551.D (-2456) (-)



#53

m,p-Xylene

Concen: 30.560 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016563.D

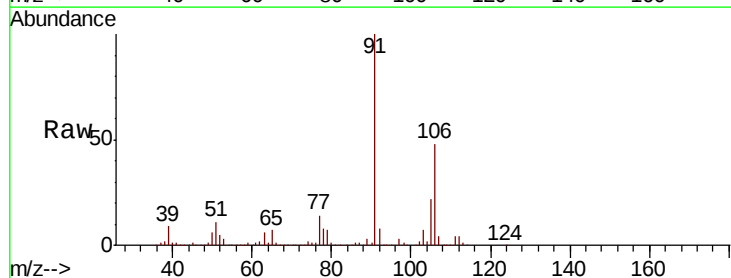
Acq: 06 Jun 2020 02:52

Tgt Ion: 106 Resp: 143864

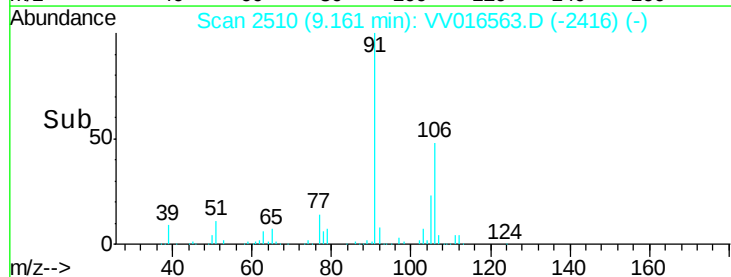
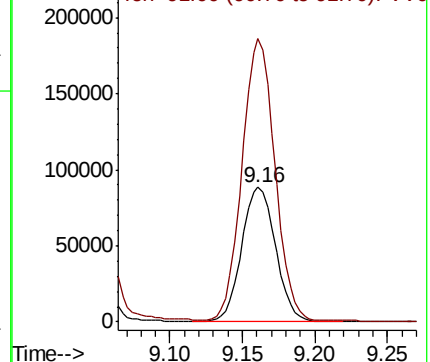
Ion Ratio Lower Upper

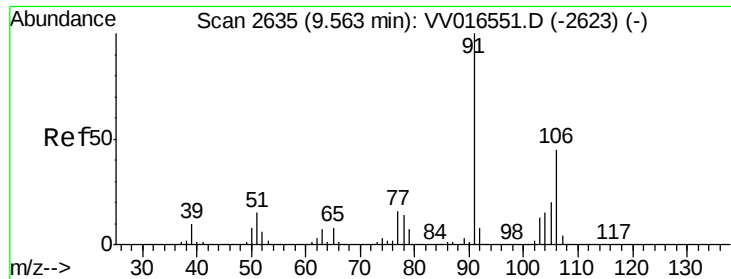
106 100

91 210.0 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VV016551.D (-2496) (-)





#54

o-xylene

Concen: 18.274 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

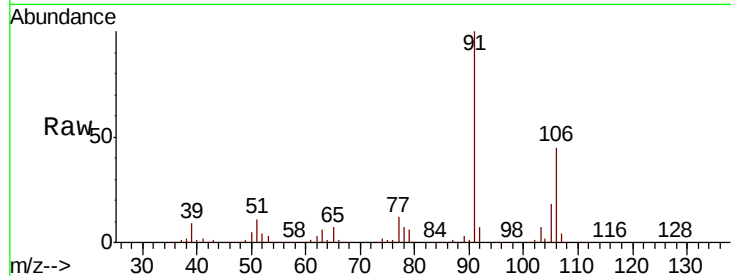
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 83315

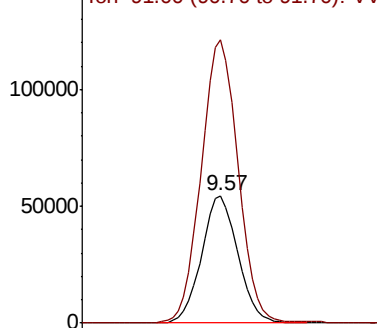
Ion Ratio Lower Upper

106 100

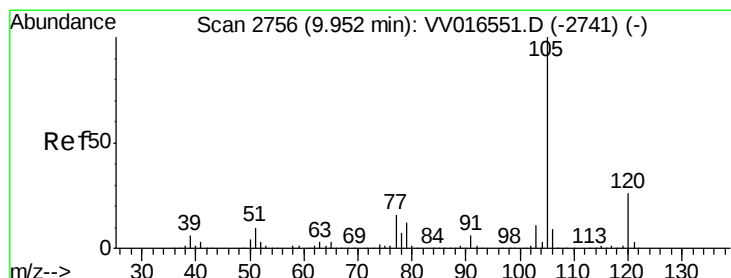
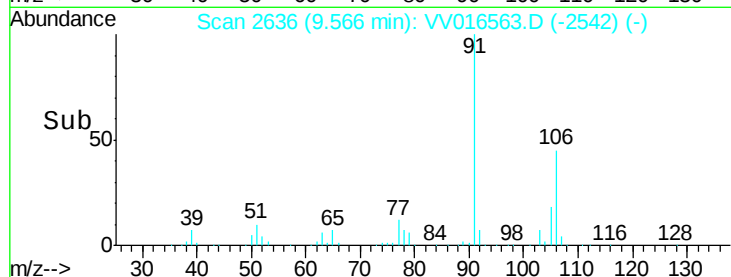
91 222.0 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



Time-->



#56

Isopropylbenzene

Concen: 5.577 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

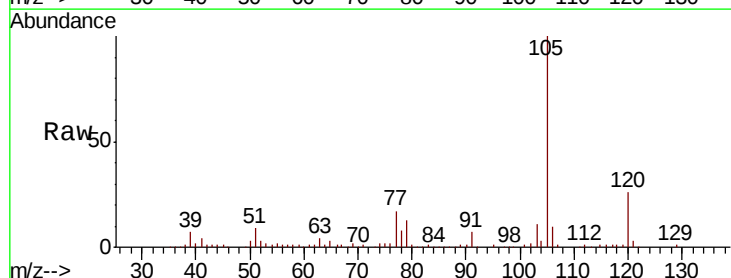
Tgt Ion:105 Resp: 66049

Ion Ratio Lower Upper

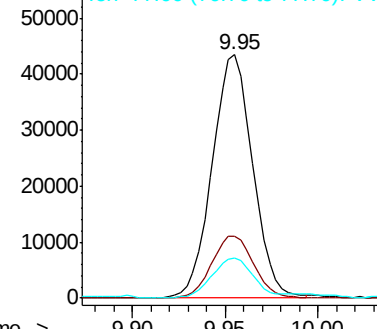
105 100

120 26.5 21.0 31.6

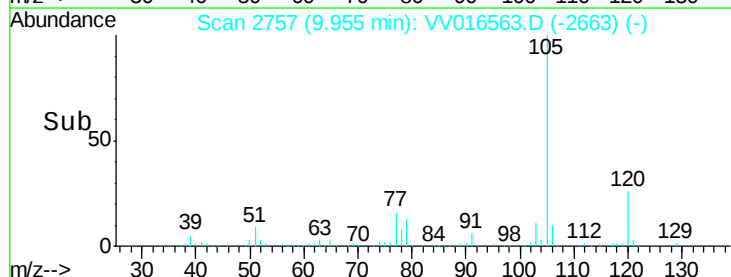
77 17.0 13.0 19.4

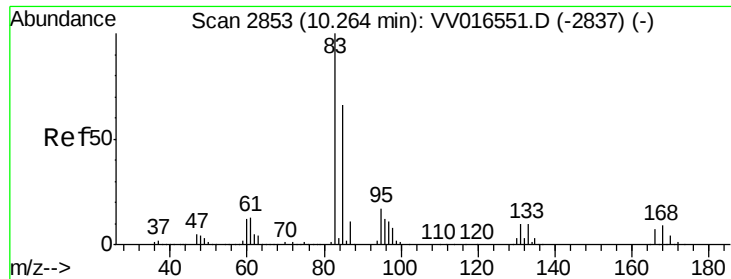


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0



Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 0.799 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.02 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

Instrument :

MSVOA_V

ClientSampled :

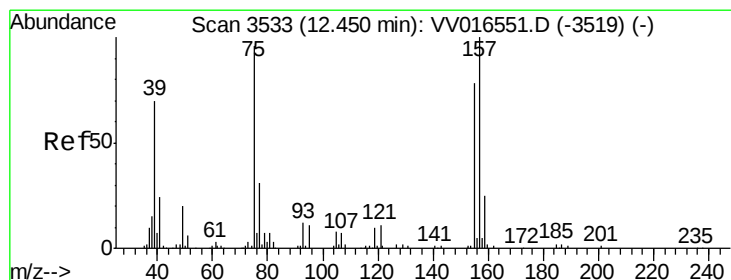
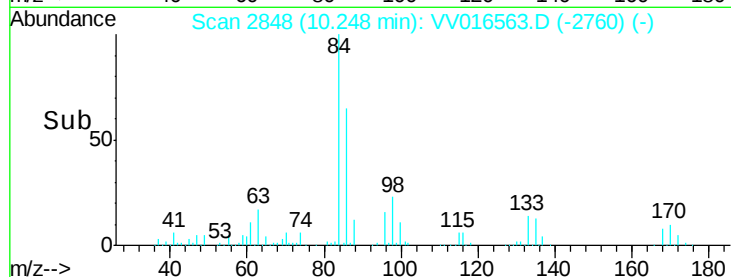
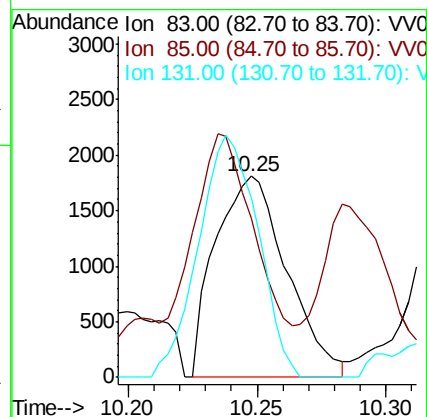
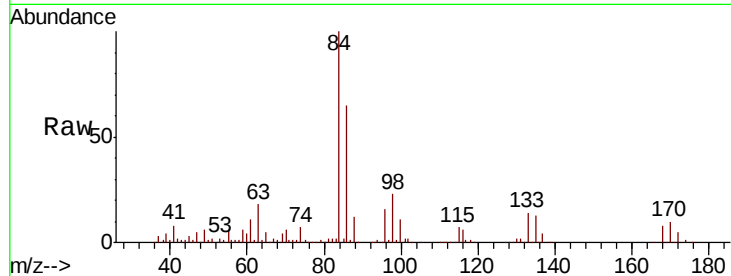
Tot Ion: 83 Resp: 3499

Ion Ratio Lower Upper

83 100

85 79.3 44.0 81.6

131 89.5 7.6 11.4#



#66

1,2-Dibromo-3-chloropropane

Concen: 2.387 ug/L

RT: 12.13 min Scan# 3435

Delta R.T. -0.32 min

Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

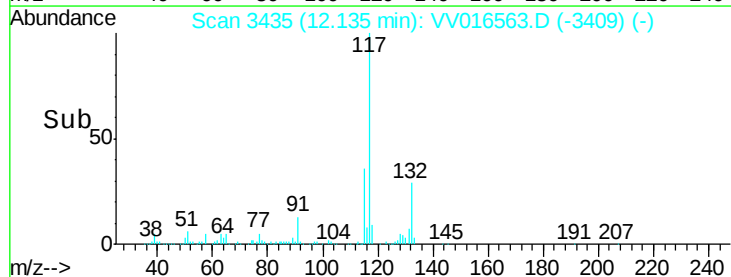
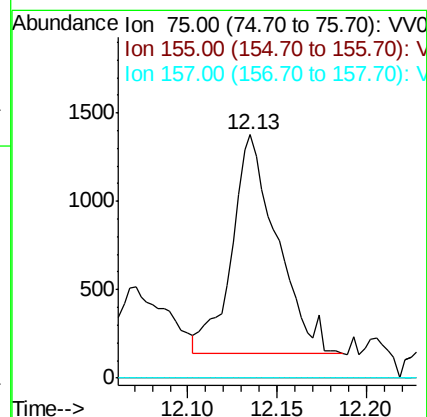
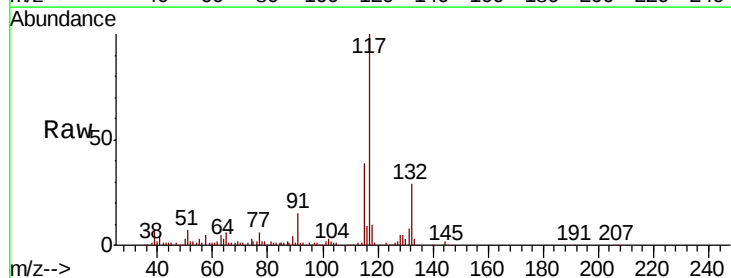
Tgt Ion: 75 Resp: 2176

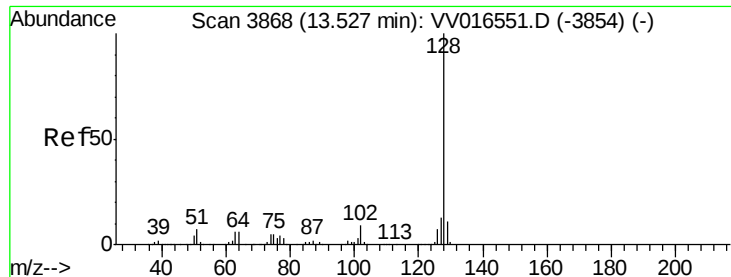
Ion Ratio Lower Upper

75 100

155 0.0 66.2 99.2#

157 0.0 83.0 124.4#





#69

Naphthalene

Concen: 9.897 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

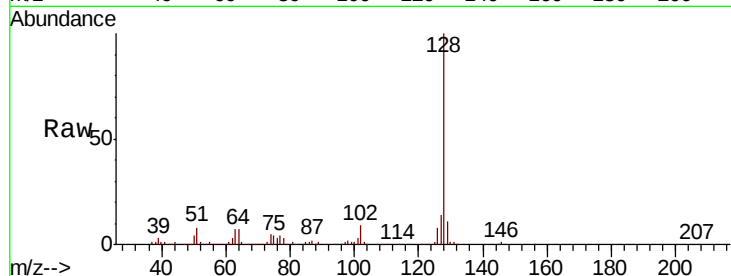
Lab File: VV016563.D

Acq: 06 Jun 2020 02:52

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:128 Resp: 112921

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 11.9 8.7 13.1

