

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016540.D
 Acq On : 05 Jun 2020 16:53
 Operator : SY/MD
 Sample : L2861-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:12:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	409429	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	392256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	112774	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.78%
7) Chloroethane-d5	1.56	69	82218	39.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.54%
11) 1,1-Dichloroethene-d2	2.12	63	153652	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
21) 2-Butanone-d5	3.90	46	162280	87.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.52%
24) Chloroform-d	4.37	84	229393	42.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.30%
26) 1,2-Dichloroethane-d4	5.06	65	167620	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.00%
32) Benzene-d6	5.08	84	462352	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.09	67	141507	43.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.44%
41) Toluene-d8	7.34	98	428661	44.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.84%
43) trans-1,3-Dichloropropene-	7.64	79	65391	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.96%
47) 2-Hexanone-d5	8.11	63	133363	95.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184362	41.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	178402	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1569	0.664	ug/L # 21
13) Acetone	2.17	43	9660	5.574	ug/L 93
15) Methyl Acetate	2.44	43	98077	30.791	ug/L # 53
27) 1,2-Dichloroethane	5.24	62	4523	1.001	ug/L 97
29) Cyclohexane	4.70	56	1324895	284.583	ug/L 99
33) Benzene	5.13	78	16993683	1473.076	ug/L 100
35) Methylcyclohexane	6.15	83	146773	33.780	ug/L 95
37) 1,2-Dichloropropane	6.20	63	8919	2.966	ug/L 99
39) cis-1,3-Dichloropropene	7.01	75	4970	1.134	ug/L # 74
40) 4-Methyl-2-pentanone	7.25	43	6812	1.646	ug/L # 91
42) Toluene	7.41	91	12915730	1056.566	ug/L 93
44) trans-1,3-Dichloropropene	7.55	75	4085	0.950	ug/L 96
50) 1,2-Dibromoethane	8.38	107	28730	9.341	ug/L # 98
53) m,p-Xylene	9.16	106	1372492	273.580	ug/L 99
54) o-xylene	9.57	106	1348745	277.595	ug/L 99
56) Isopropylbenzene	9.95	105	1008577	79.917	ug/L 100
58) 1,1,2,2-Tetrachloroethane	10.24	83	3810	0.817	ug/L # 40

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MSVOA_V
ClientSampleId :

Quant Time: Jun 06 00:12:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration

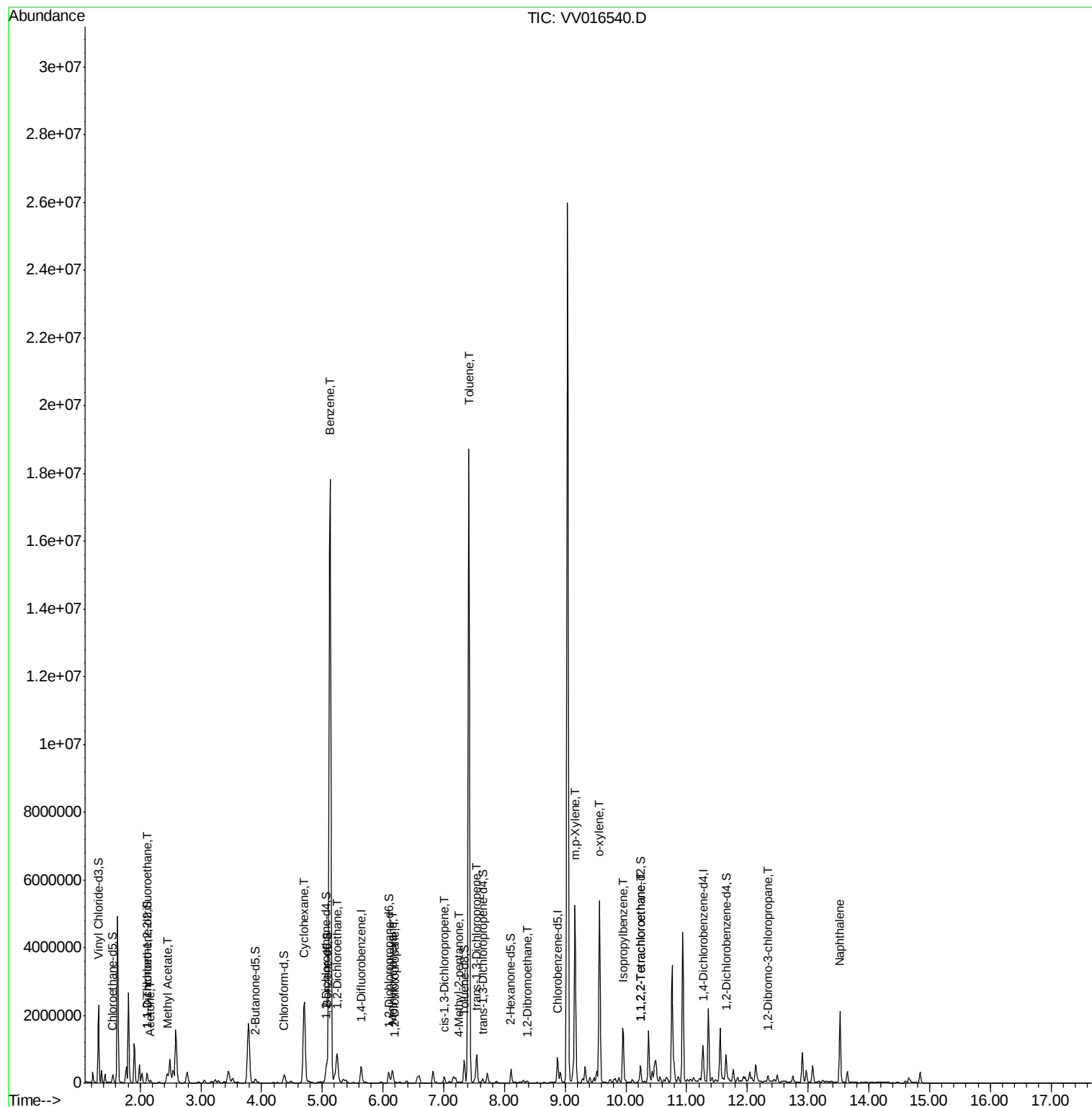
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.33	75	1330	1.397	ug/L #	3
69) Naphthalene	13.52	128	1574377	132.127	ug/L	99

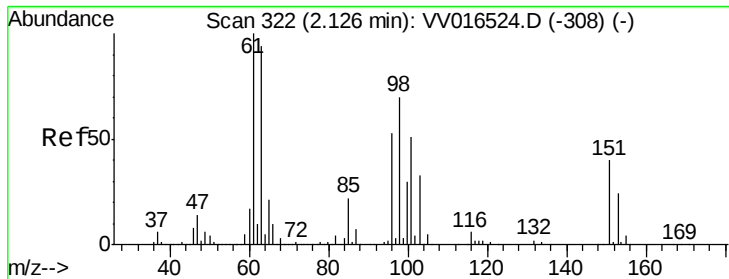
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Response via : Initial Calibration





#10

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

Concen: 0.664 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

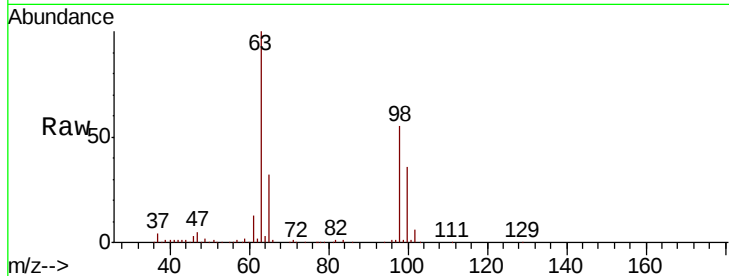
Tot Ion:101 Resp: 1569

Ion Ratio Lower Upper

101 100

85 3.9 35.6 53.4#

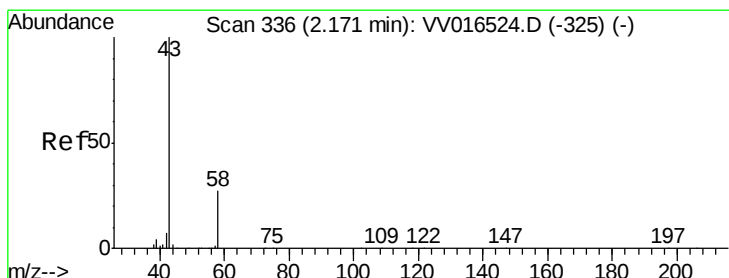
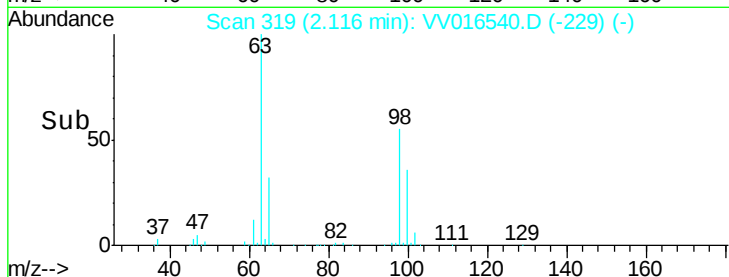
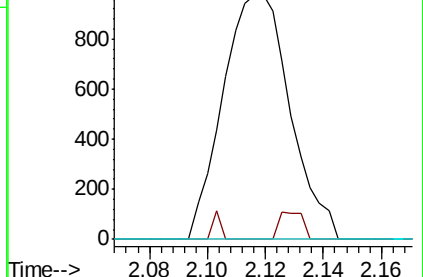
151 0.0 61.8 92.8#



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: 5.574 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016540.D

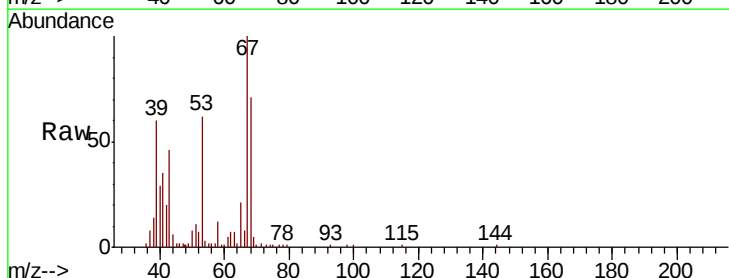
Acq: 05 Jun 2020 16:53

Tgt Ion: 43 Resp: 9660

Ion Ratio Lower Upper

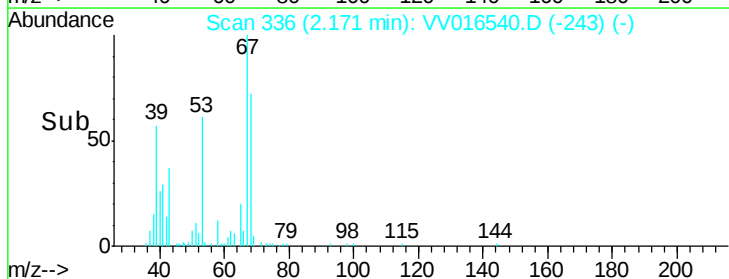
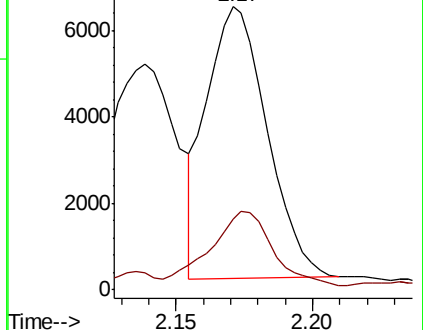
43 100

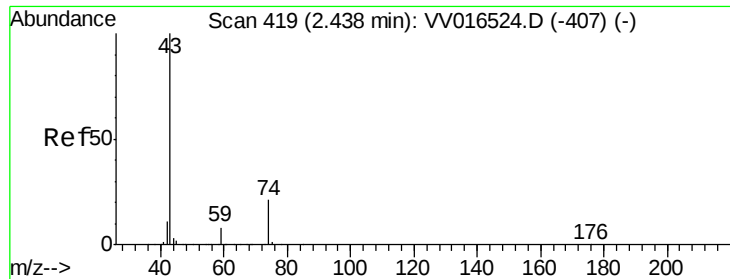
58 32.3 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

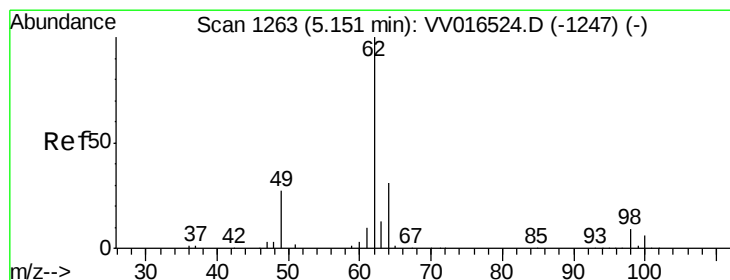
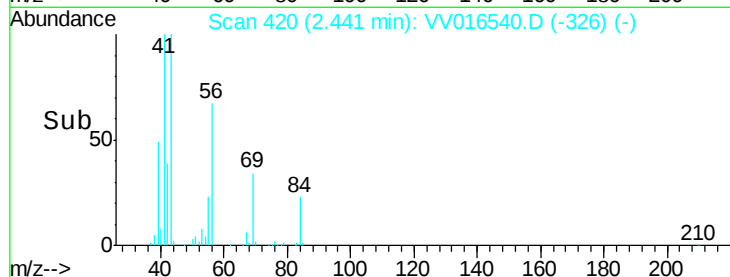
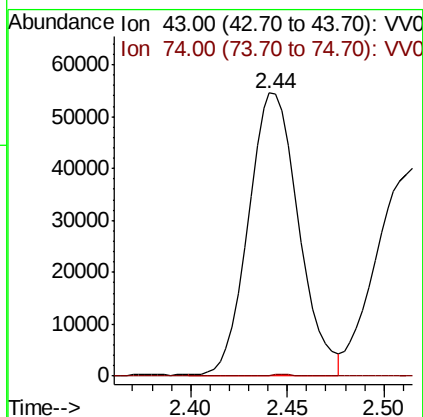
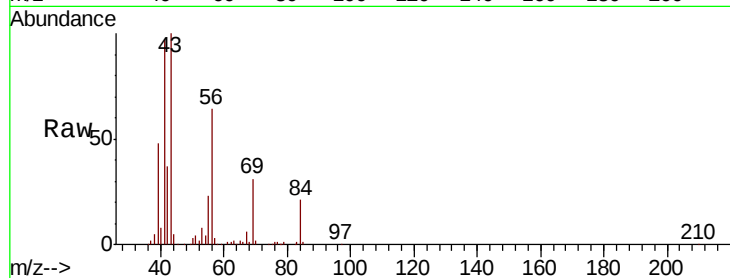




#15
Methyl Acetate
Concen: 30.791 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

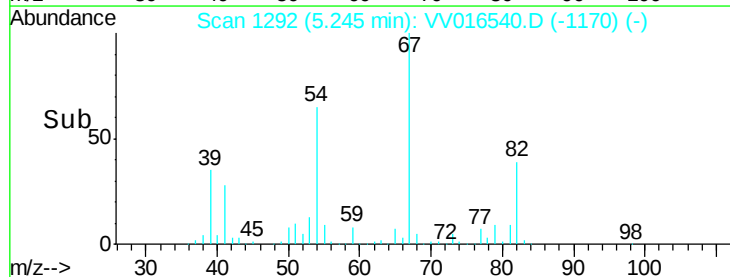
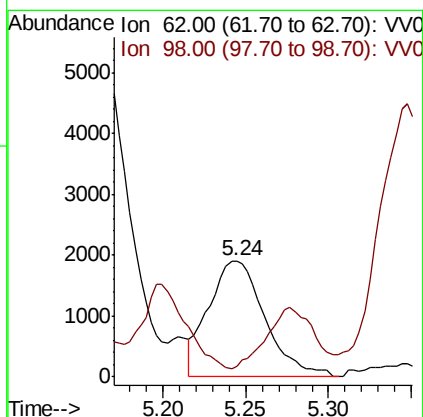
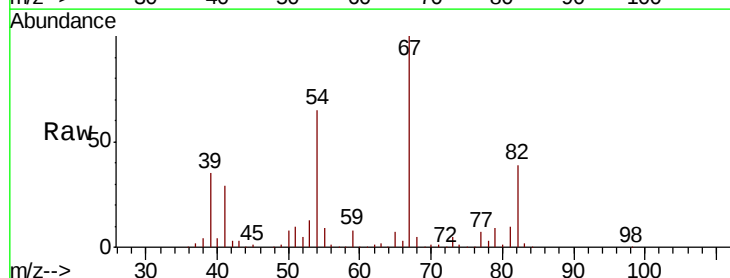
Instrument :
MSVOA_V
ClientSampled :

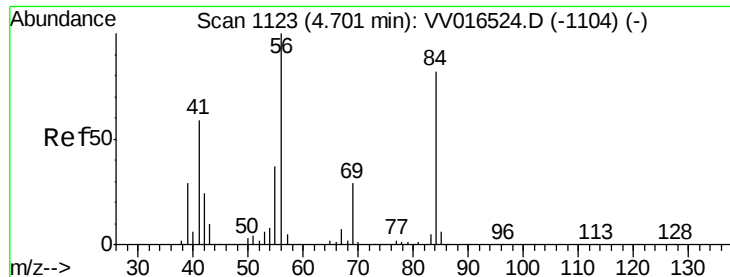
Tot Ion: 43 Resp: 98077
Ion Ratio Lower Upper
43 100
74 0.2 18.1 27.1#



#27
1,2-Dichloroethane
Concen: 1.001 ug/L
RT: 5.24 min Scan# 1292
Delta R.T. 0.09 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion: 62 Resp: 4523
Ion Ratio Lower Upper
62 100
98 9.7 6.9 10.3

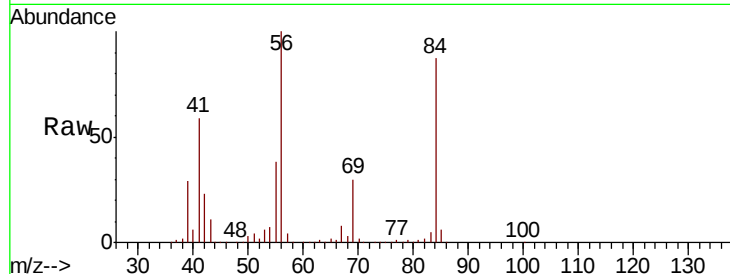




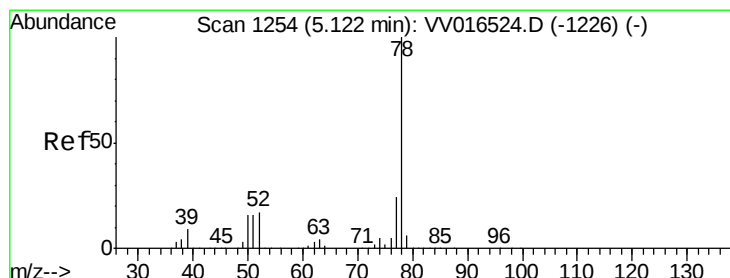
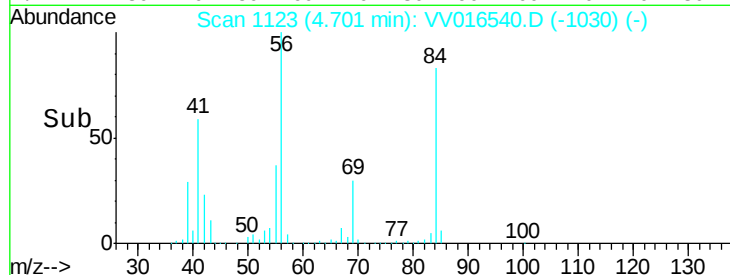
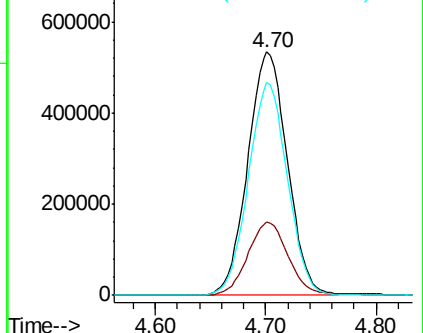
#29
Cyclohexane
Concen: 284.583 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 1324895
Ion Ratio Lower Upper
56 100
69 30.9 23.9 35.9
84 86.4 68.2 102.2

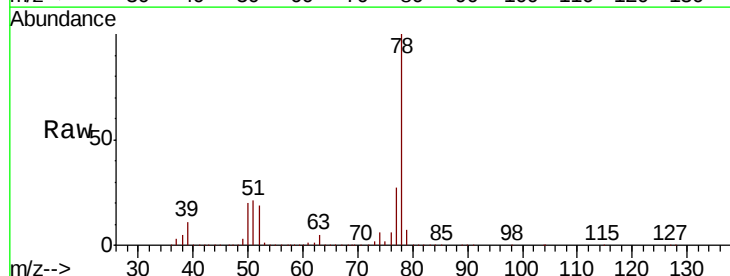


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

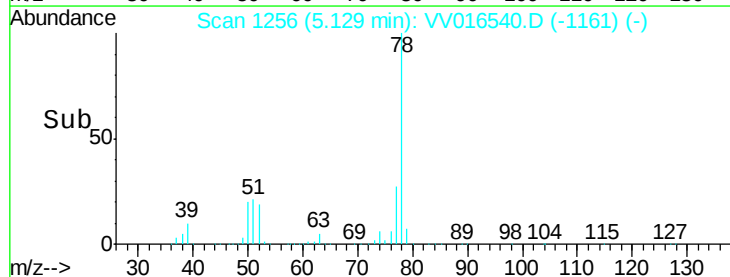
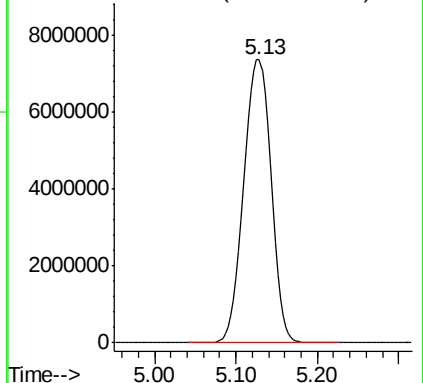


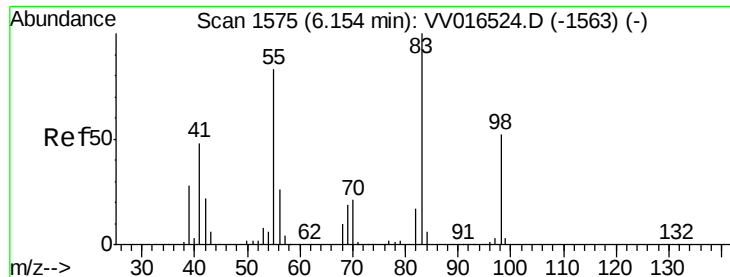
#33
Benzene
Concen: 1473.076 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion: 78 Resp: 16993683



Abundance Ion 78.00 (77.70 to 78.70): VV0

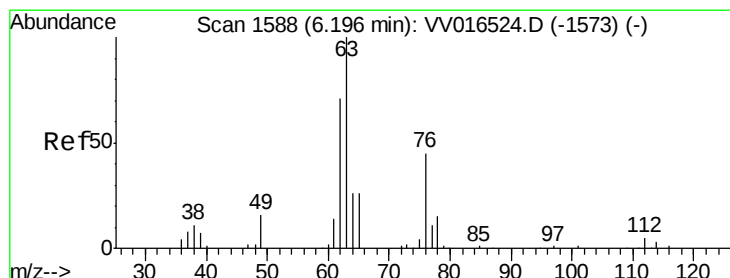
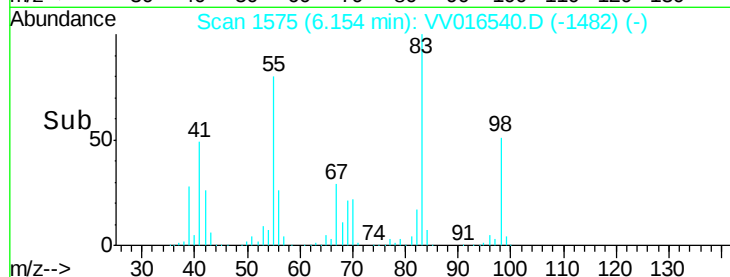
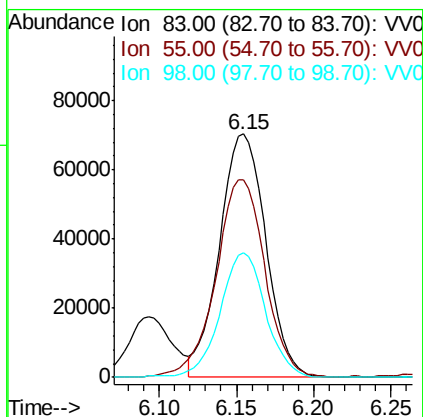
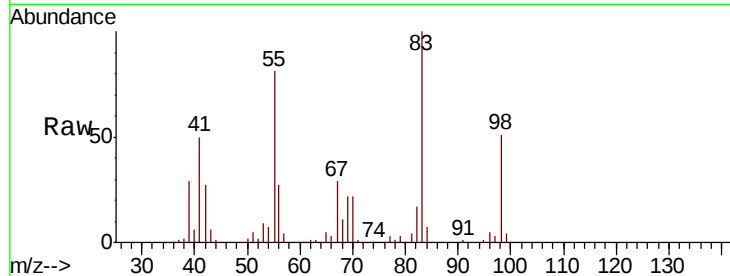




#35
Methvlcvclohexane
Concen: 33.780 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

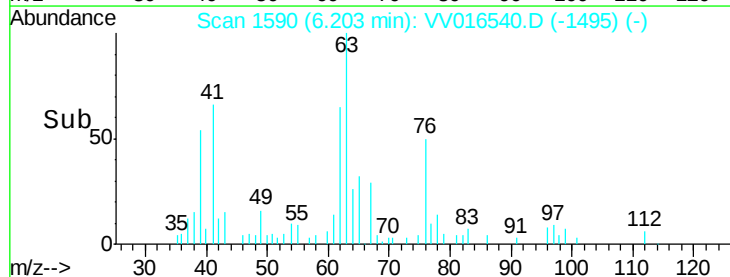
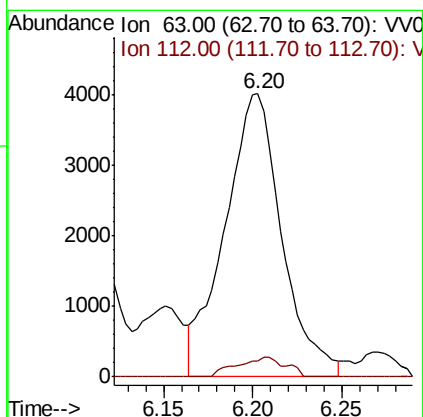
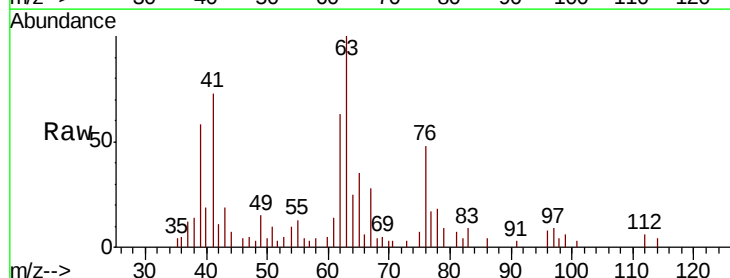
Instrument :
MSVOA_V
ClientSampleId :

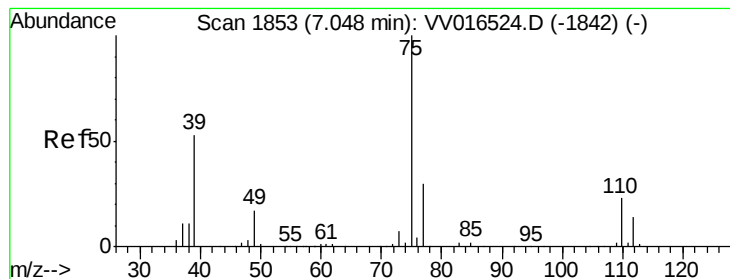
Tot Ion: 83 Resp: 146773
Ion Ratio Lower Upper
83 100
55 84.9 63.4 95.0
98 50.4 39.4 59.0



#37
1,2-Dichloropropane
Concen: 2.966 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion: 63 Resp: 8919
Ion Ratio Lower Upper
63 100
112 5.3 3.9 5.9



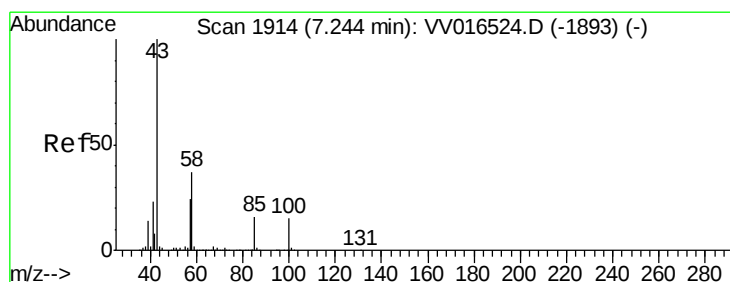
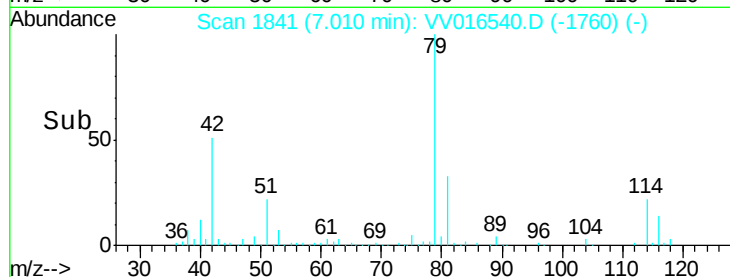
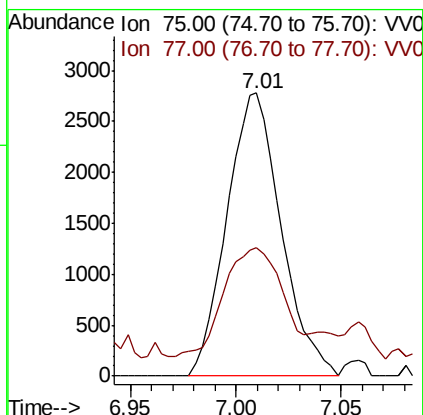
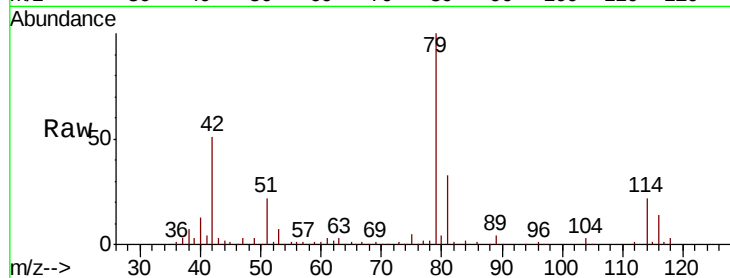


#39

cis-1,3-Dichloropropene
Concen: 1.134 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Instrument :
MSVOA_V
ClientSampled :

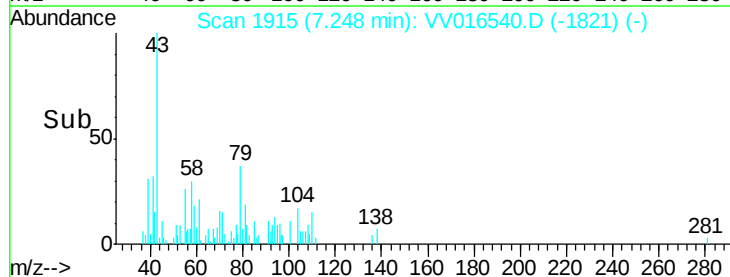
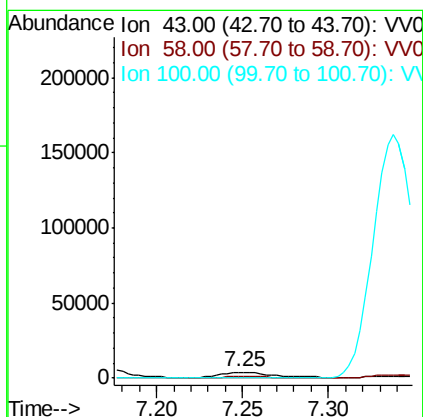
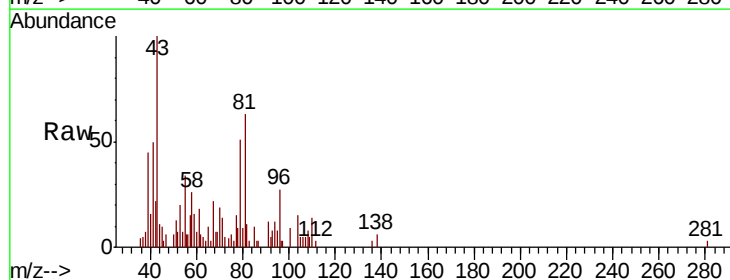
Tot Ion: 75 Resp: 4970
Ion Ratio Lower Upper
75 100
77 45.6 22.0 41.0#

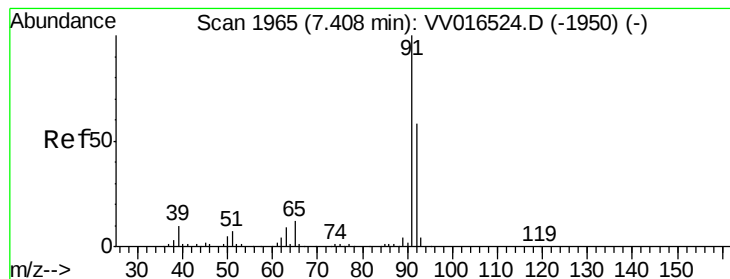


#40

4-Methyl-2-pentanone
Concen: 1.646 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion: 43 Resp: 6812
Ion Ratio Lower Upper
43 100
58 34.5 29.9 44.9
100 7.0 11.9 17.9#





#42

Toluene

Concen: 1056.566 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

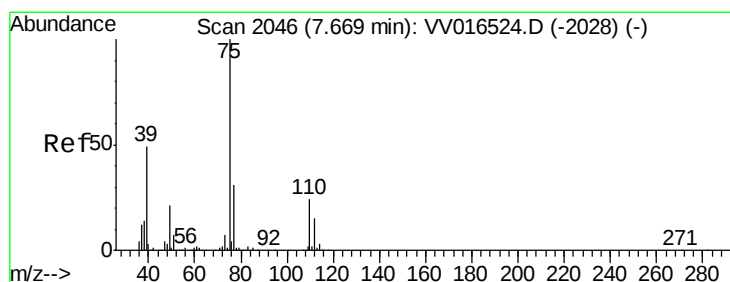
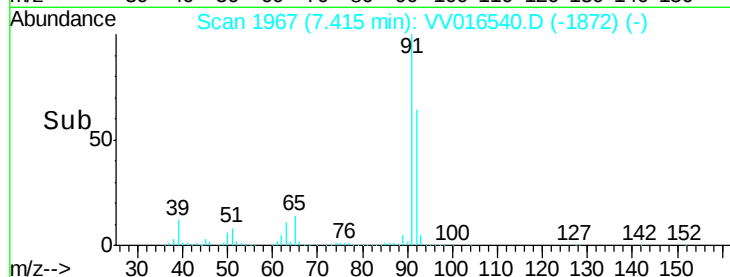
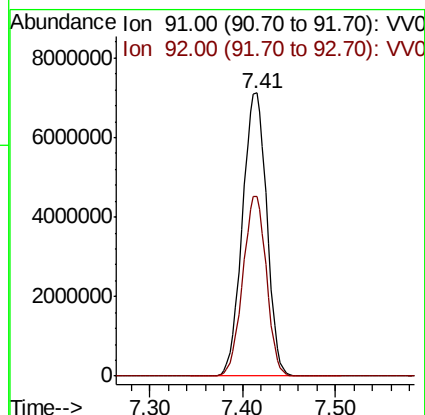
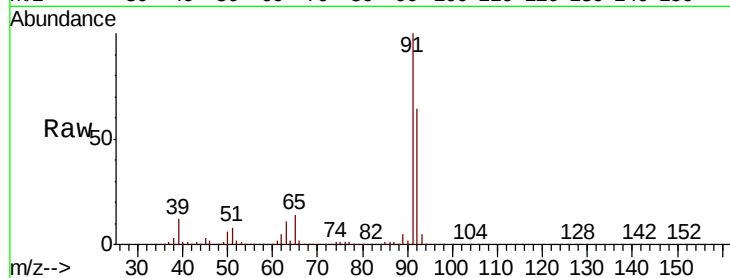
ClientSampleId :

Tot Ion: 91 Resp:12915730

Ion Ratio Lower Upper

91 100

92 63.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 0.950 ug/L

RT: 7.55 min Scan# 2008

Delta R.T. -0.12 min

Lab File: VV016540.D

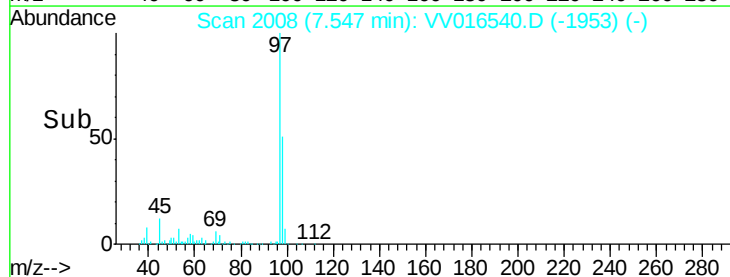
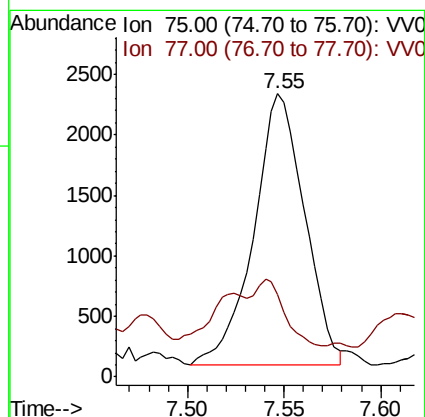
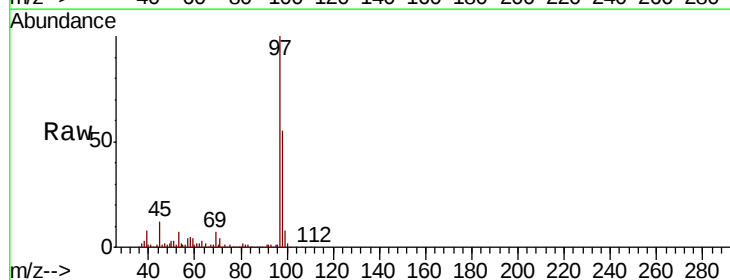
Acq: 05 Jun 2020 16:53

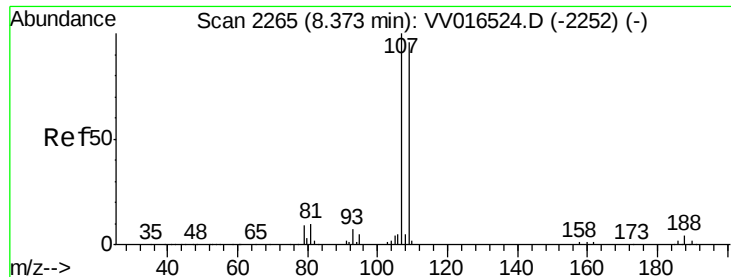
Tgt Ion: 75 Resp: 4085

Ion Ratio Lower Upper

75 100

77 29.2 22.2 41.2

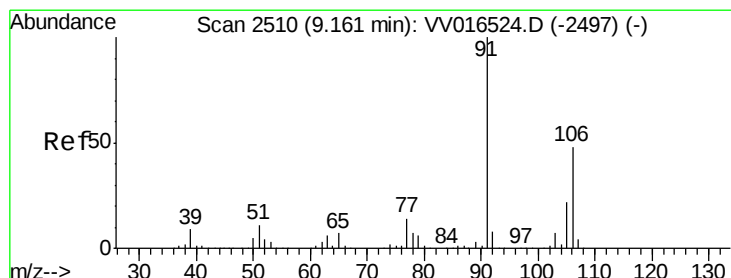
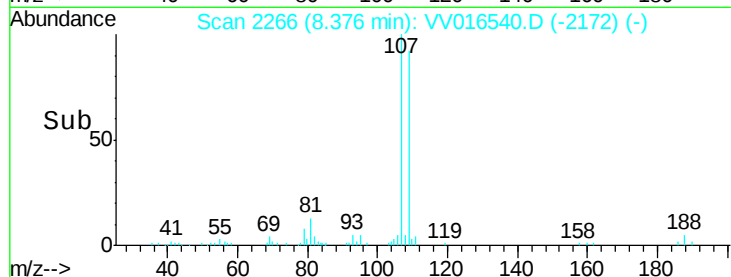
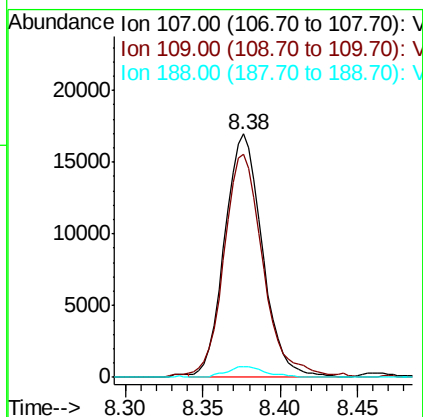
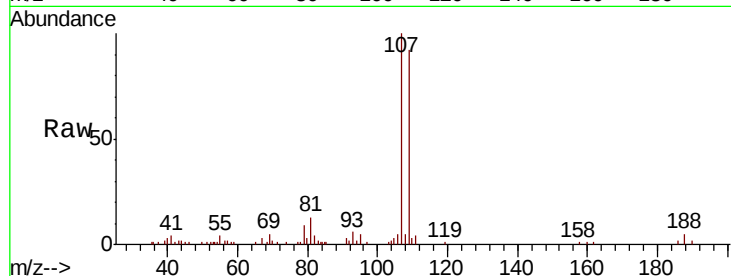




#50
 1,2-Dibromoethane
 Concen: 9.341 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016540.D
 Acq: 05 Jun 2020 16:53

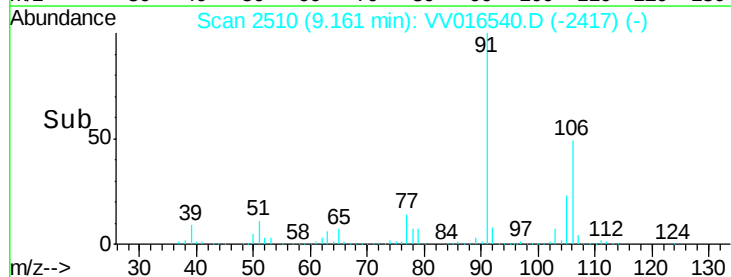
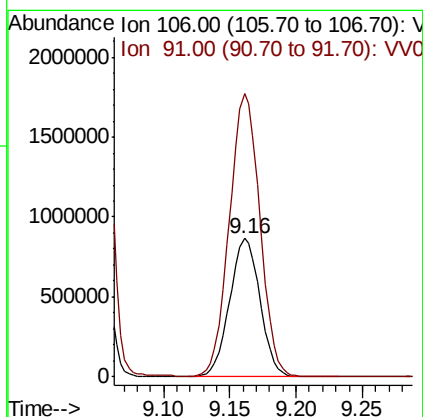
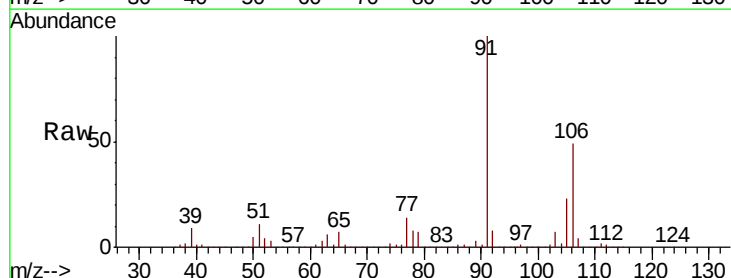
Instrument :
 MSVOA_V
 ClientSampleId :

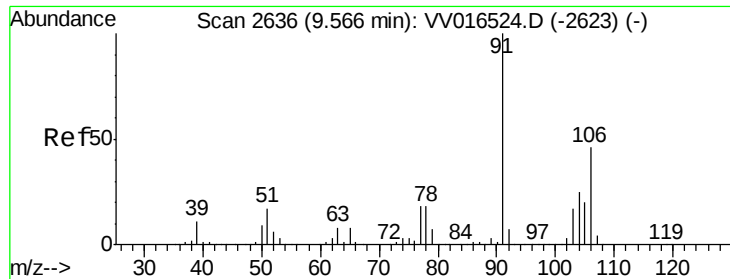
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.9	122.3
188	4.6	2.8	4.2#



#53
 m,p-Xylene
 Concen: 273.580 ug/L
 RT: 9.16 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VV016540.D
 Acq: 05 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.9	142.5	264.6

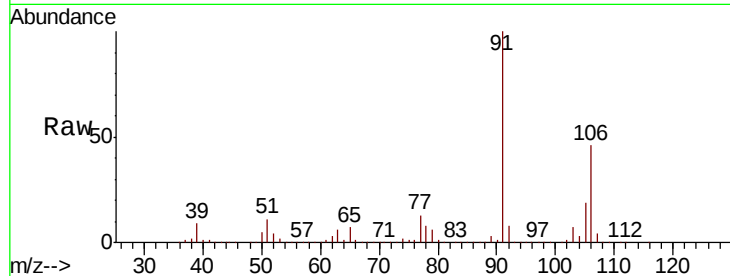




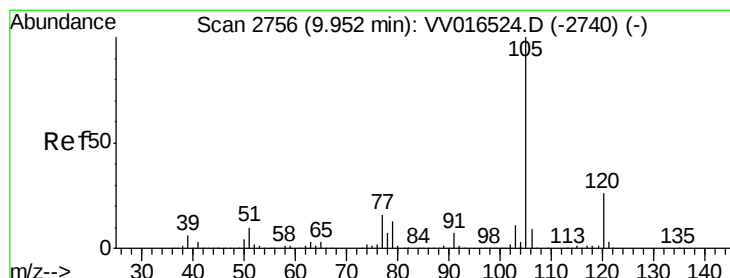
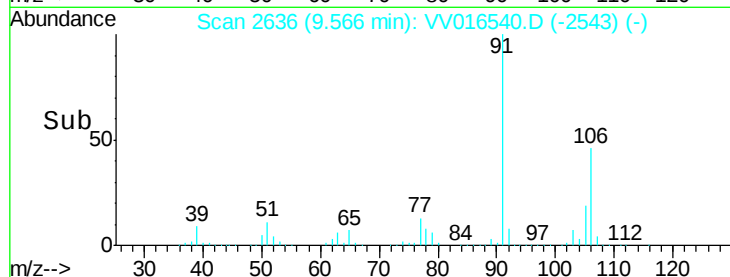
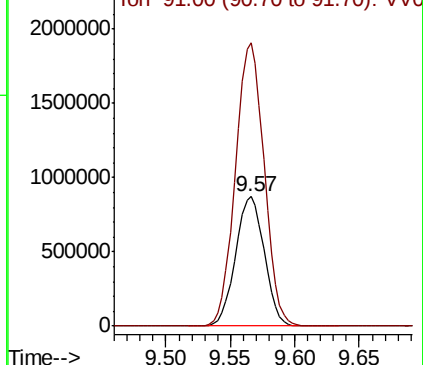
#54
o-xylene
Concen: 277.595 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1348745
Ion Ratio Lower Upper
106 100
91 218.7 152.5 283.1

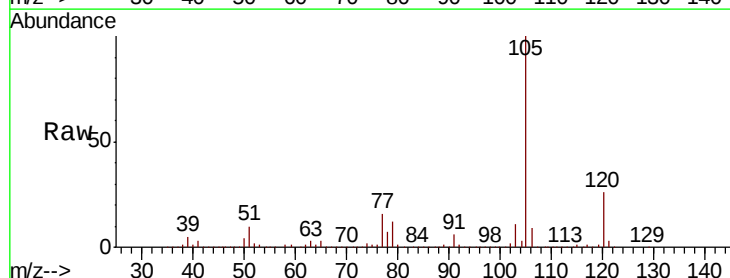


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

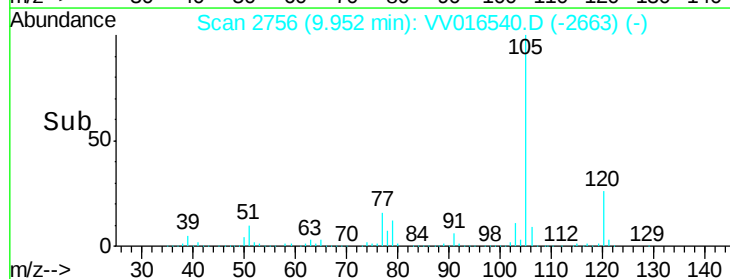
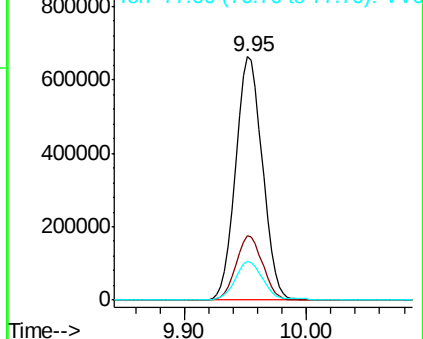


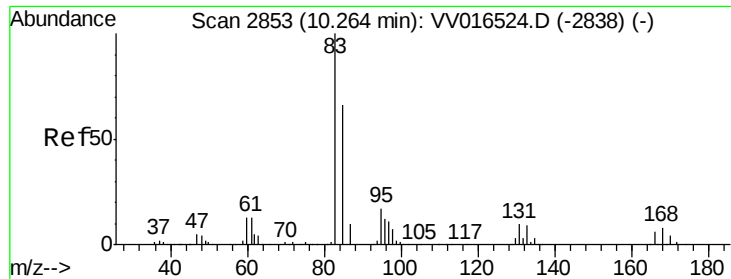
#56
Isopropylbenzene
Concen: 79.917 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion:105 Resp: 1008577
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 16.2 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





#58

1,1,2,2-Tetrachloroethane

Concen: 0.817 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.02 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

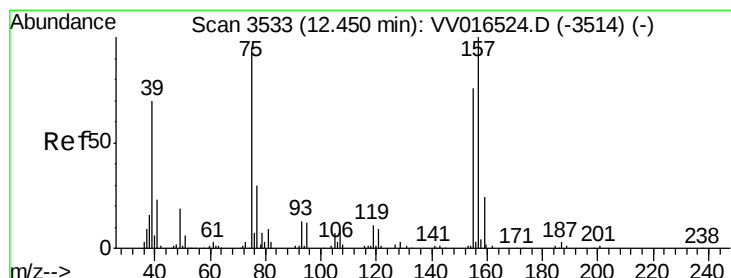
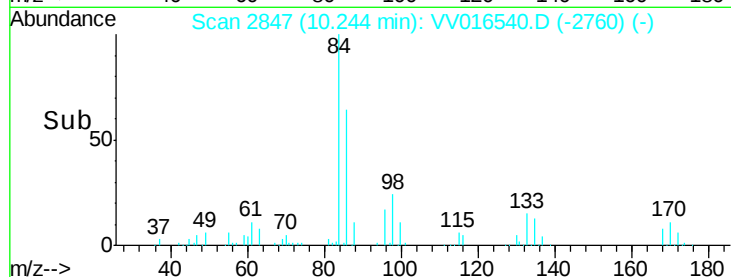
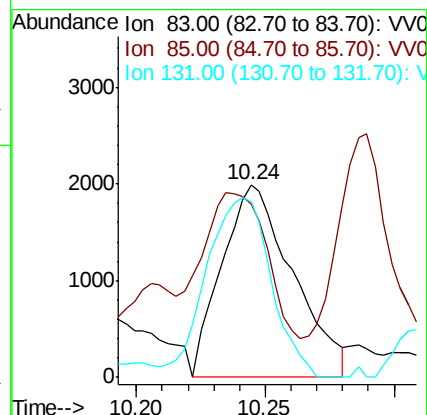
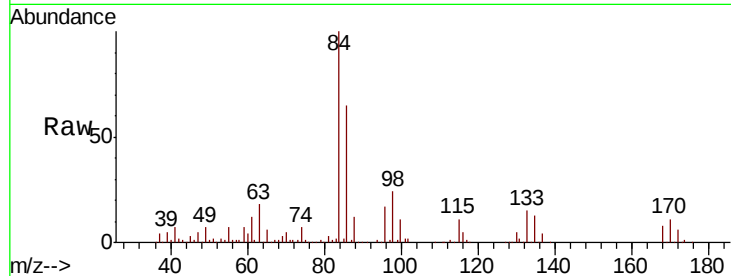
Tot Ion: 83.00 Resp: 3810

Ion Ratio Lower Upper

83 100

85 90.0 44.0 81.6#

131 91.5 7.6 11.4#



#66

1,2-Dibromo-3-chloropropane

Concen: 1.397 ug/L

RT: 12.33 min Scan# 3497

Delta R.T. -0.12 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

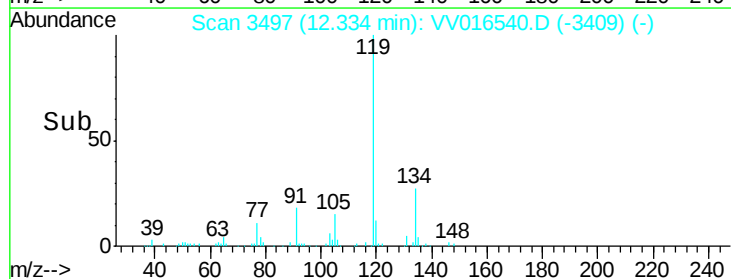
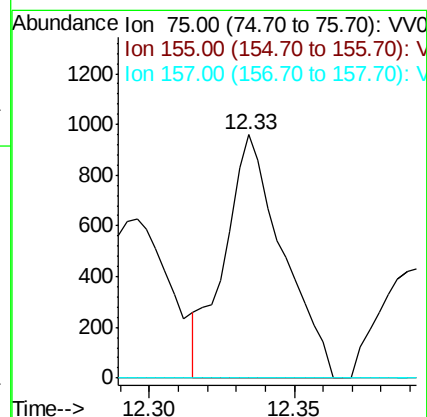
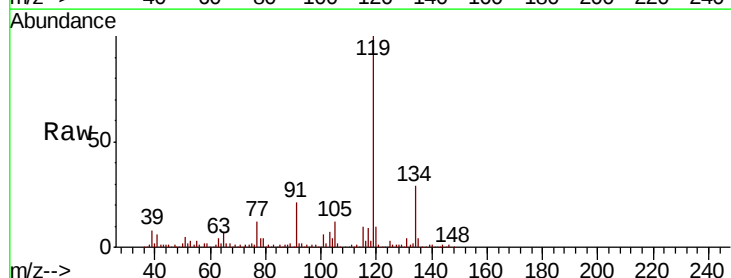
Tgt Ion: 75 Resp: 1330

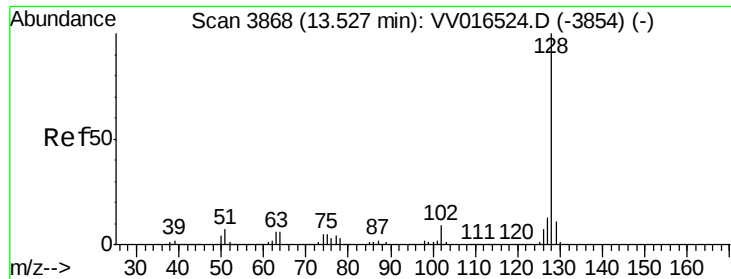
Ion Ratio Lower Upper

75 100

155 0.0 66.2 99.2#

157 0.0 83.0 124.4#





#69

Napthalene

Concen: 132.127 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

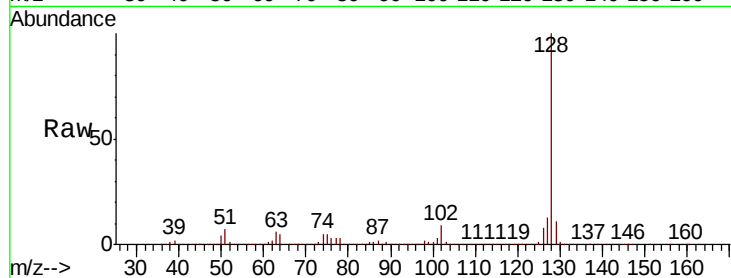
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1574377

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.2	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

